

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080216\
 Data File : BF089547.D
 Acq On : 2 Aug 2016 15:13
 Operator : UM/SJ
 Sample : H4269-07MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MSD

Quant Time: Aug 03 11:44:04 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 03 01:32:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	45580	20.00	ng	0.01
21) Naphthalene-d8	7.76	136	186889	20.00	ng	0.00
38) Acenaphthene-d10	9.51	164	80398	20.00	ng	0.00
63) Phenanthrene-d10	10.97	188	143855	20.00	ng	0.00
75) Chrysene-d12	13.59	240	89313	20.00	ng	-0.01
86) Perylene-d12	14.91	264	83758	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.05	112	415515	145.56	ng	0.02
7) Phenol-d6	6.15	99	506874	134.36	ng	0.01
23) Nitrobenzene-d5	7.05	82	325807	102.90	ng	0.00
41) 2,4,6-Tribromophenol	10.30	330	99759	149.82	ng	0.00
44) 2-Fluorobiphenyl	8.84	172	583672	106.54	ng	0.00
78) Terphenyl-d14	12.56	244	409260	107.25	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.91	88	51393	39.71	ng	97
3) Pyridine	2.49	79	122700	43.93	ng	97
4) n-Nitrosodimethylamine	2.47	42	61387	52.52	ng	94
6) Aniline	6.14	93	193031m	47.39	ng	
8) 2-Chlorophenol	6.26	128	169119	52.38	ng	96
9) Benzaldehyde	6.01	77	82770	44.93	ng	92
10) Phenol	6.16	94	234646	56.37	ng	85
11) bis(2-Chloroethyl)ether	6.23	93	167361	47.32	ng	96
12) 1,3-Dichlorobenzene	6.41	146	158504	46.93	ng	95
13) 1,4-Dichlorobenzene	6.49	146	175754	47.15	ng	96
14) 1,2-Dichlorobenzene	6.64	146	154603m	44.28	ng	
15) Benzyl Alcohol	6.64	79	140102	59.84	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.78	45	184368	47.79	ng	88
17) 2-Methylphenol	6.76	107	126905	50.85	ng	95
18) Hexachloroethane	6.98	117	62969	44.06	ng	# 88
19) n-Nitroso-di-n-propylamine	6.91	70	120647	53.03	ng	# 90
20) 3+4-Methylphenols	6.92	107	165392	51.60	ng	# 85
22) Acetophenone	6.90	105	213568	48.00	ng	# 97
24) Nitrobenzene	7.07	77	181297	50.31	ng	99
25) Isophorone	7.31	82	325899	51.10	ng	98
26) 2-Nitrophenol	7.39	139	82406	51.15	ng	94
27) 2,4-Dimethylphenol	7.45	122	146611	57.12	ng	97
28) bis(2-Chloroethoxy)methane	7.53	93	195812	55.46	ng	99
29) 2,4-Dichlorophenol	7.63	162	129331	55.30	ng	90
30) 1,2,4-Trichlorobenzene	7.71	180	132045	49.48	ng	99
31) Naphthalene	7.78	128	469445	50.73	ng	100
32) Benzoic acid	7.58	122	15271	8.54	ng	100
33) 4-Chloroaniline	7.85	127	137072	38.90	ng	100
34) Hexachlorobutadiene	7.91	225	73215	47.91	ng	98
35) Caprolactam	8.24	113	38911m	55.12	ng	
36) 4-Chloro-3-methylphenol	8.35	107	152076	54.71	ng	100
37) 2-Methylnaphthalene	8.48	142	286635	51.40	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.64	216	106668	37.91	ng	99
40) Hexachlorocyclopentadiene	8.63	237	53500	68.19	ng	99

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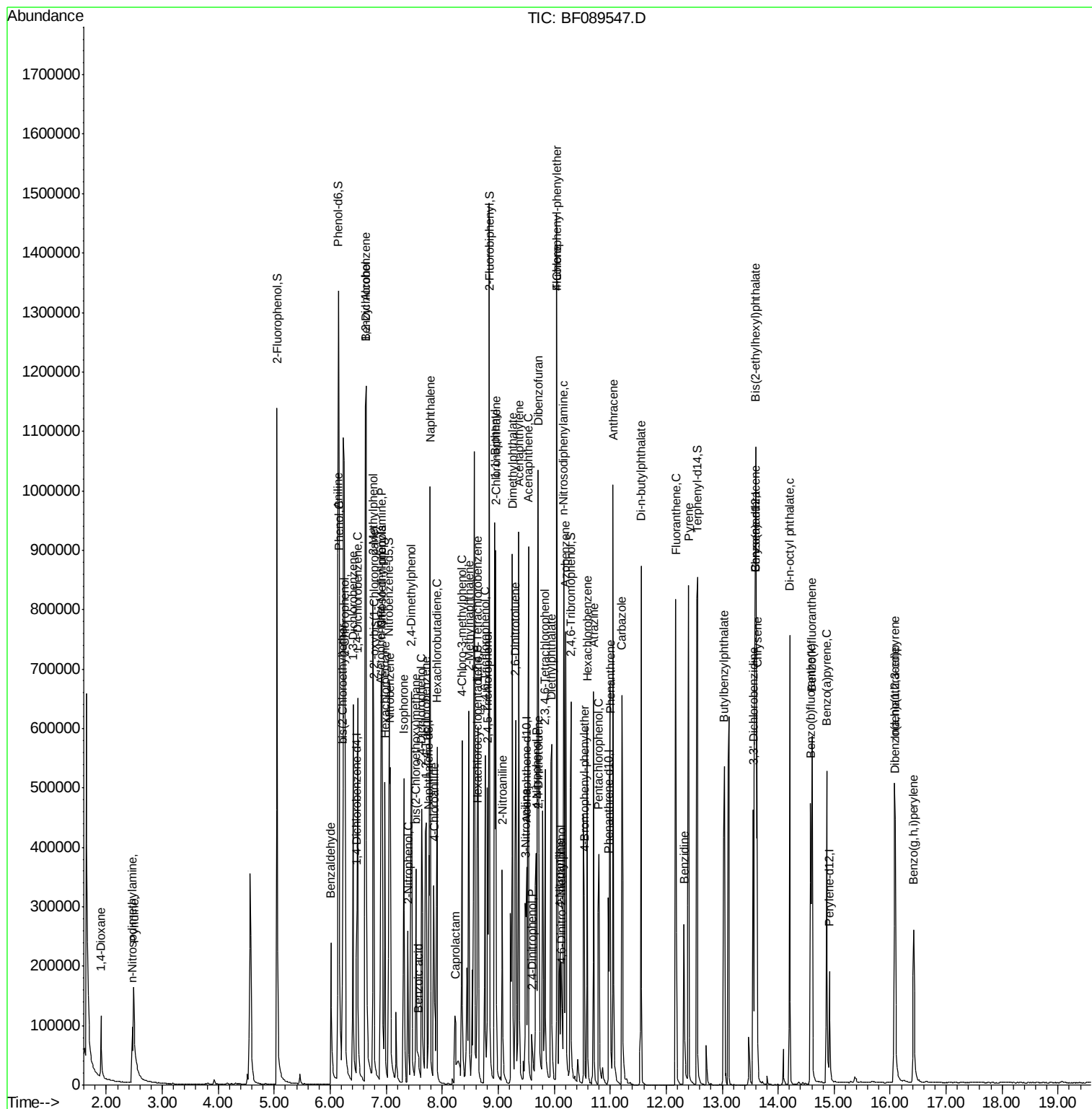
Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MSD

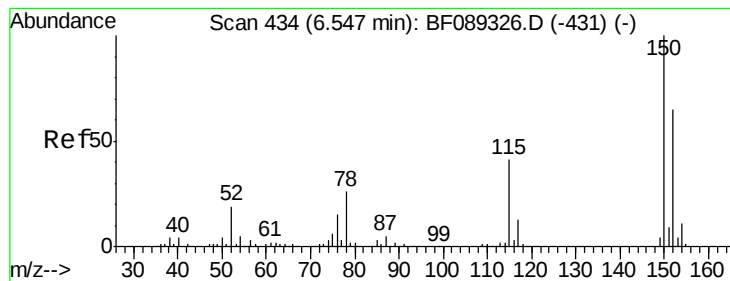
Quant Time: Aug 03 11:44:04 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 03 01:32:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.76	196	81191	60.70	nq	98
43) 2,4,5-Trichlorophenol	8.81	196	94809	55.96	nq	98
45) 1,1'-Biphenyl	8.94	154	309031	45.14	nq	98
46) 2-Chloronaphthalene	8.96	162	273961	53.29	nq	98
47) 2-Nitroaniline	9.07	65	92783	60.94	nq	99
48) Acenaphthylene	9.37	152	426592	52.68	nq	99
49) Dimethylphthalate	9.26	163	424743	69.42	nq	99
50) 2,6-Dinitrotoluene	9.31	165	65900	52.42	nq	# 73
51) Acenaphthene	9.54	154	259840	54.95	nq	99
52) 3-Nitroaniline	9.48	138	64765	48.81	nq	94
53) 2,4-Dinitrophenol	9.60	184	18701	43.48	nq	# 83
54) Dibenzofuran	9.71	168	376170	58.38	nq	97
55) 4-Nitrophenol	9.68	139	62737m	95.77	nq	
56) 2,4-Dinitrotoluene	9.72	165	94055	56.83	nq	# 58
57) Fluorene	10.04	166	275667	49.01	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.84	232	70959	62.73	nq	# 99
59) Diethylphthalate	9.95	149	336538	54.25	nq	94
60) 4-Chlorophenyl-phenylether	10.04	204	120969	46.89	nq	# 76
61) 4-Nitroaniline	10.10	138	66174	48.39	nq	88
62) Azobenzene	10.20	77	346122	54.18	nq	96
64) 4,6-Dinitro-2-methylphenol	10.14	198	28975	34.69	nq	91
65) n-Nitrosodiphenylamine	10.17	169	248276	55.31	nq	100
66) 4-Bromophenyl-phenylether	10.54	248	70303	51.19	nq	# 91
67) Hexachlorobenzene	10.59	284	72965	51.84	nq	# 87
68) Atrazine	10.71	200	76068	55.16	nq	98
69) Pentachlorophenol	10.80	266	66687	96.45	nq	98
70) Phenanthrene	11.00	178	375264	50.58	nq	98
71) Anthracene	11.05	178	421421	51.09	nq	100
72) Carbazole	11.21	167	359876	51.83	nq	98
73) Di-n-butylphthalate	11.55	149	445037	47.77	nq	100
74) Fluoranthene	12.17	202	354402	45.41	nq	95
76) Benzidine	12.32	184	198816	60.25	nq	95
77) Pyrene	12.40	202	368588	54.45	nq	100
79) Butylbenzylphthalate	13.04	149	176123	57.23	nq	87
80) Benzo(a)anthracene	13.59	228	268016	53.18	nq	99
81) 3,3'-Dichlorobenzidine	13.55	252	94726	52.23	nq	# 95
82) Chrysene	13.62	228	278030	51.82	nq	100
83) Bis(2-ethylhexyl)phthalate	13.60	149	230767	51.87	nq	# 99
84) Di-n-octyl phthalate	14.21	149	357926	51.56	nq	98
85) Indeno(1,2,3-cd)pyrene	16.08	276	243037	63.71	nq	99
87) Benzo(b)fluoranthene	14.58	252	279427m	53.72	nq	
88) Benzo(k)fluoranthene	14.61	252	206353m	43.15	nq	
89) Benzo(a)pyrene	14.87	252	235013	50.37	nq	98
90) Dibenzo(a,h)anthracene	16.09	278	203698	55.42	nq	# 95
91) Benzo(g,h,i)perylene	16.42	276	197445	54.65	nq	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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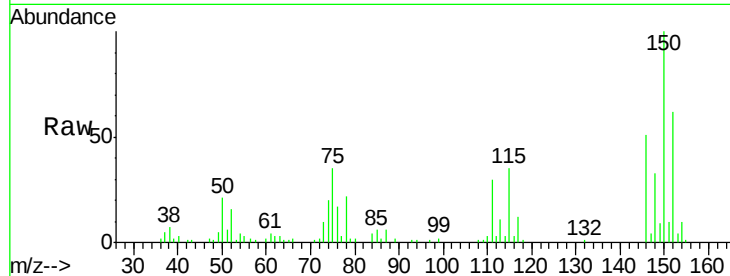


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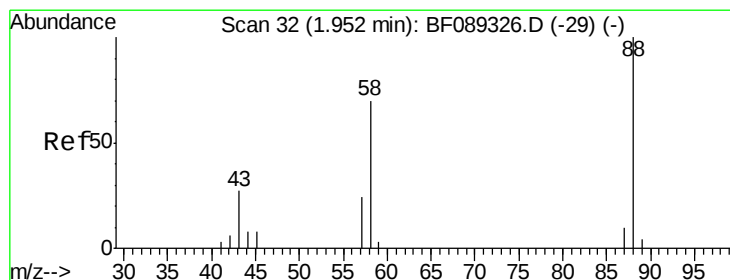
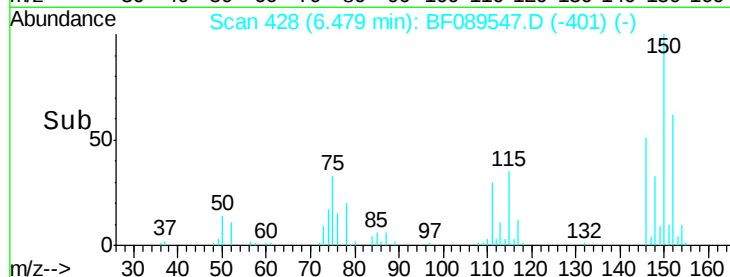
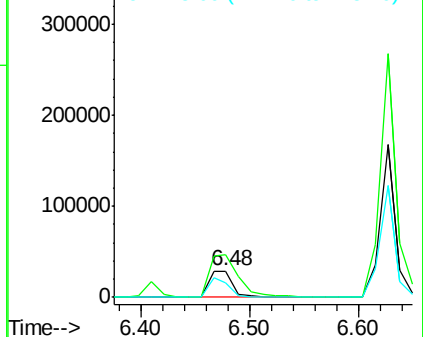
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.48 min Scan# 428
Delta R.T. 0.01 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MSD

Tot Ion:152 Resp: 45580
Ion Ratio Lower Upper
152 100
150 161.1 129.5 194.3
115 56.7 51.4 77.2



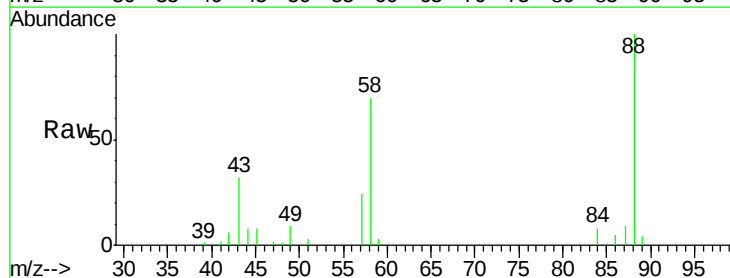
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



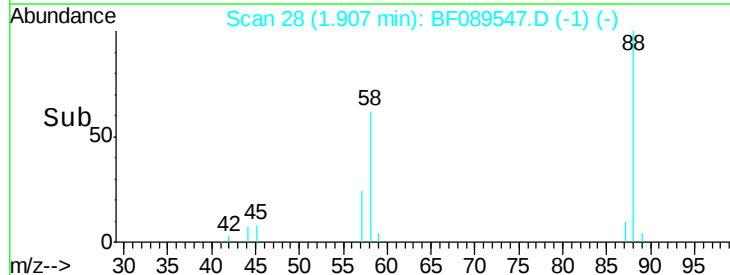
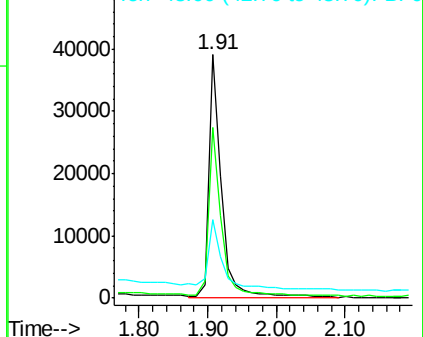
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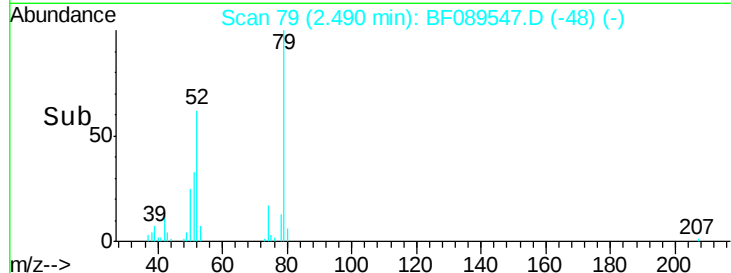
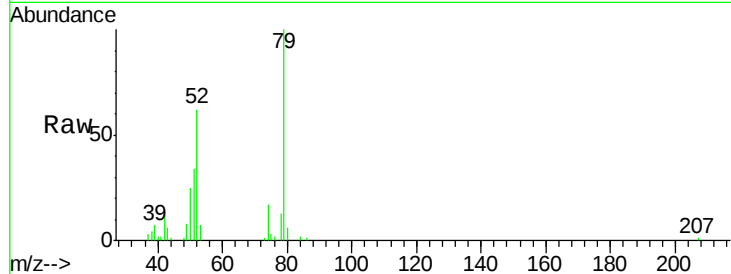
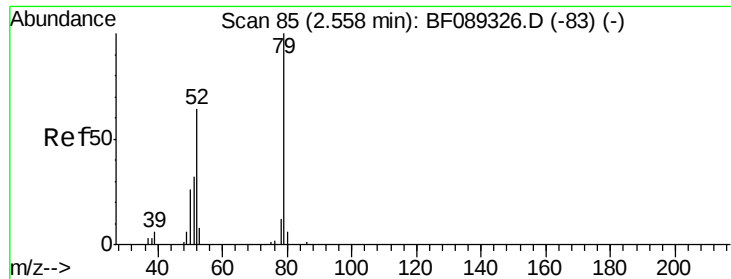
1,4-Dioxane
Concen: 39.71 ng
RT: 1.91 min Scan# 28
Delta R.T. 0.07 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Tgt Ion: 88 Resp: 51393
Ion Ratio Lower Upper
88 100
58 66.0 53.2 79.8
43 30.6 20.6 31.0



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0

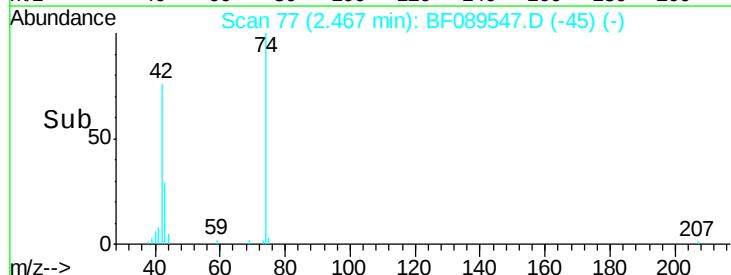
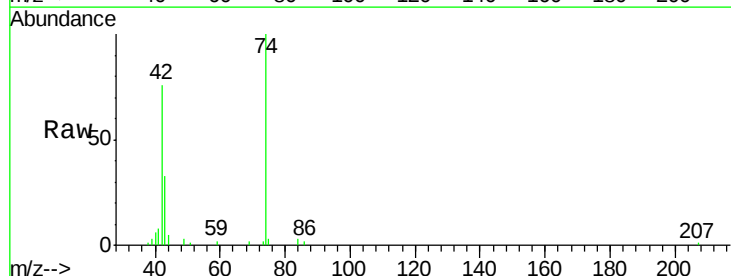
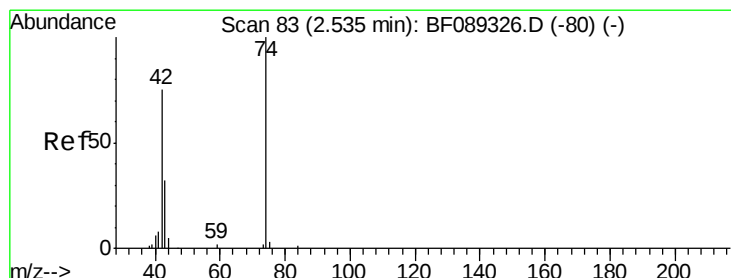
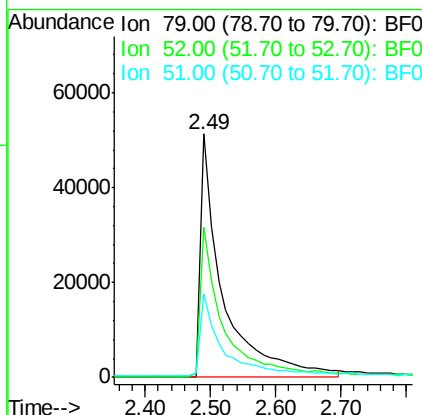




#3
 Pvridine
 Concen: 43.93 ng
 RT: 2.49 min Scan# 79
 Delta R.T. 0.06 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

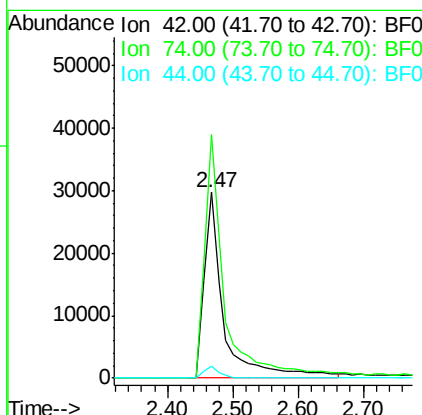
Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MSD

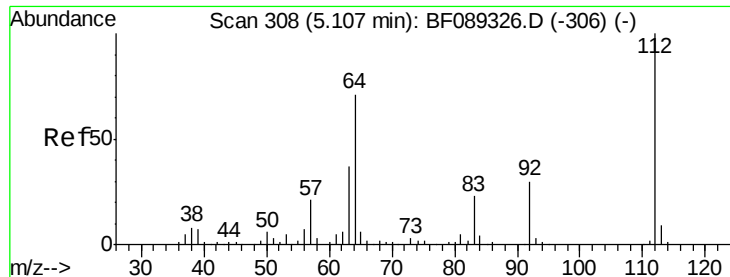
Tot Ion	Ratio	Lower	Upper
79	100		
52	61.6	51.9	77.9
51	34.2	28.2	42.4



#4
 n-Nitrosodimethylamine
 Concen: 52.52 ng
 RT: 2.47 min Scan# 77
 Delta R.T. 0.07 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Tgt Ion	Ratio	Lower	Upper
42	100		
74	131.0	110.8	166.2
44	6.1	5.2	7.8





#5

2-Fluorophenol

Concen: 145.56 ng

RT: 5.05 min Scan# 303

Delta R.T. 0.02 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

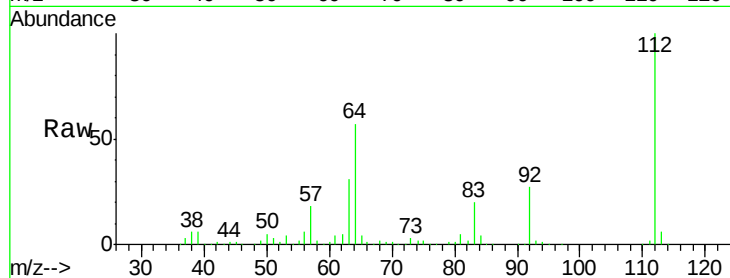
Tot Ion:112 Resp: 415515

Ion Ratio Lower Upper

112 100

64 57.3 55.0 82.6

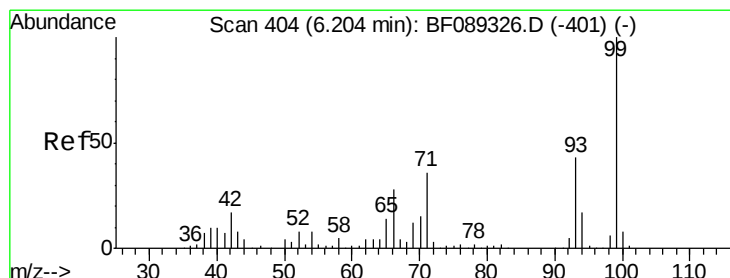
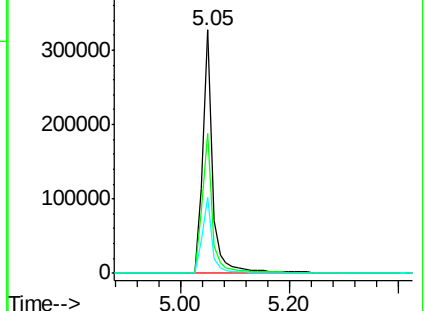
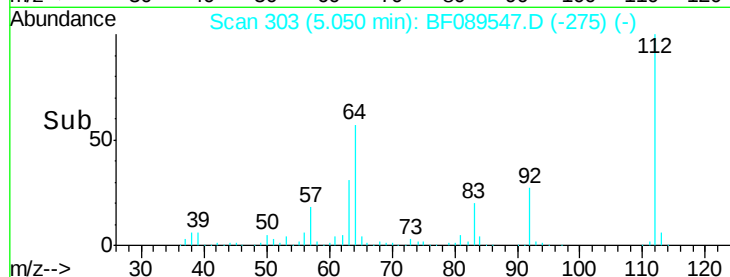
63 31.1 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 47.39 ng m

RT: 6.14 min Scan# 398

Delta R.T. -0.09 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

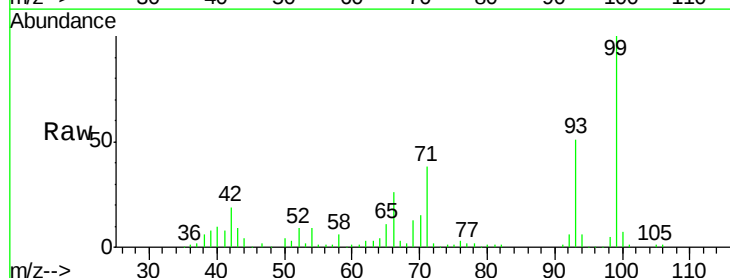
Tgt Ion: 93 Resp: 193031

Ion Ratio Lower Upper

93 100

66 52.1 51.6 77.4

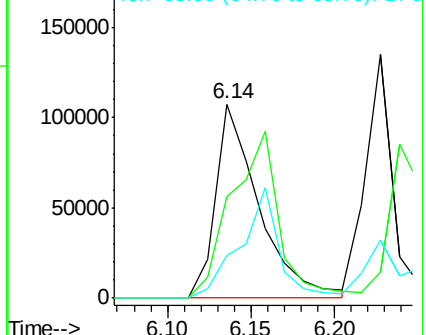
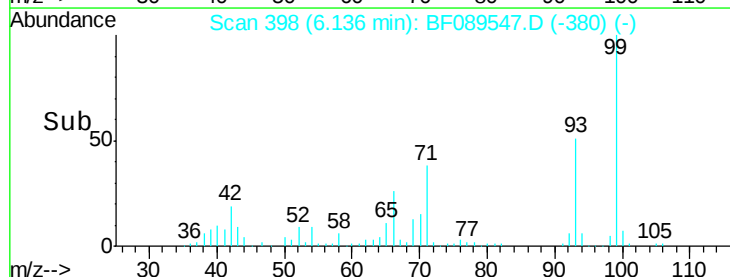
65 22.1 24.7 37.1#

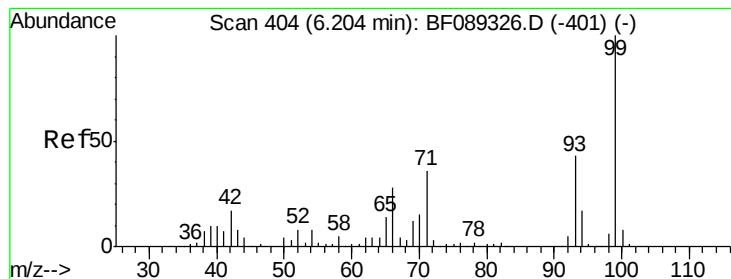


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 134.36 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF089547.D

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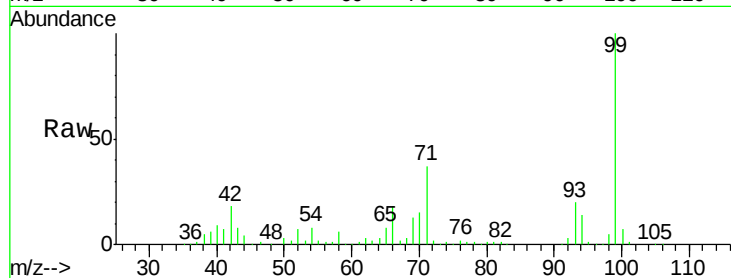
Tot Ion: 99 Resp: 506874

Ion Ratio Lower Upper

99 100

42 17.9 13.6 20.4

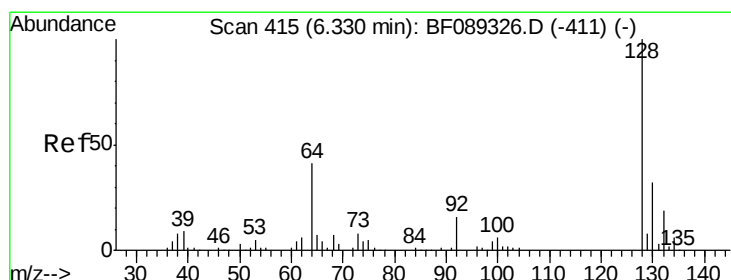
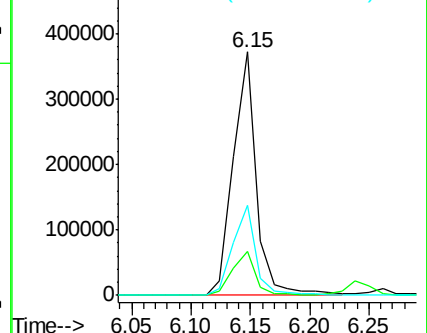
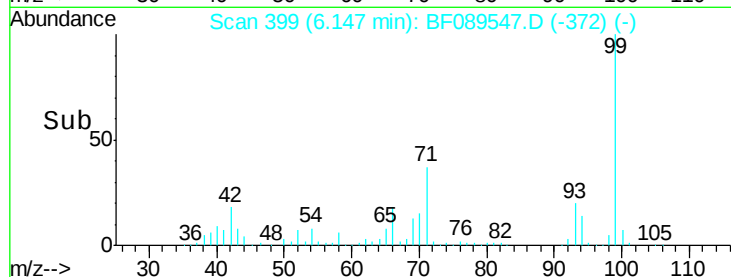
71 37.2 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 52.38 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

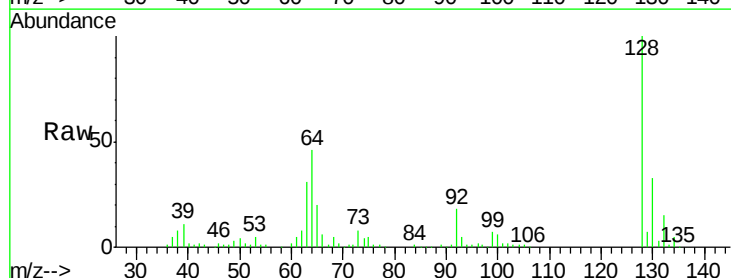
Tgt Ion:128 Resp: 169119

Ion Ratio Lower Upper

128 100

130 33.1 12.6 52.6

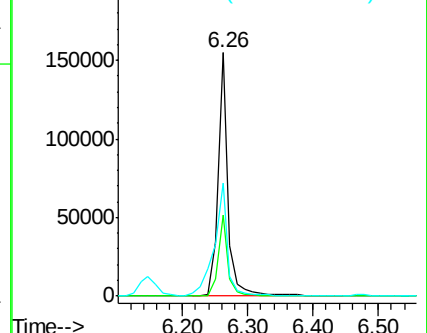
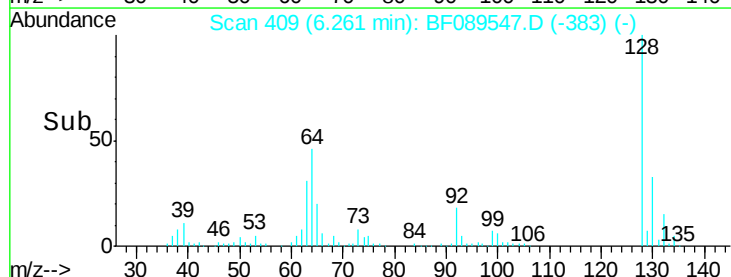
64 46.2 22.1 62.1

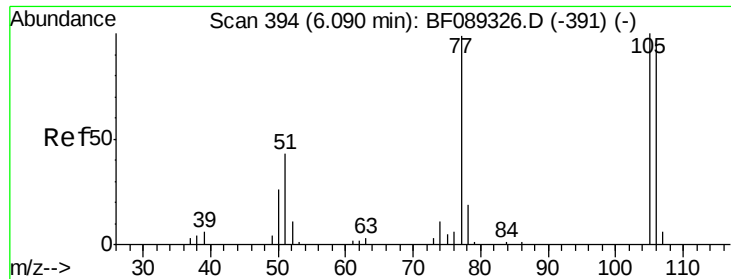


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 44.93 ng

RT: 6.01 min Scan# 387

Delta R.T. -0.00 min

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SB-52-13.0-14.0MSD

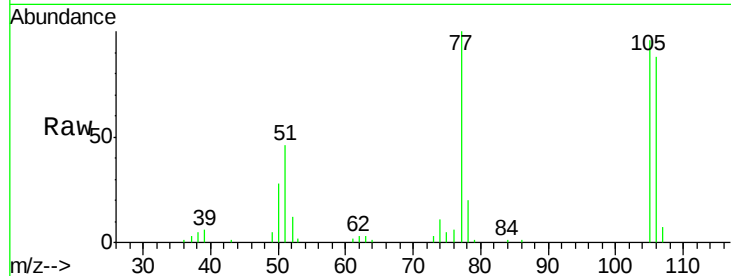
Tot Ion: 77 Resp: 82770

Ion Ratio Lower Upper

77 100

105 95.6 82.9 122.9

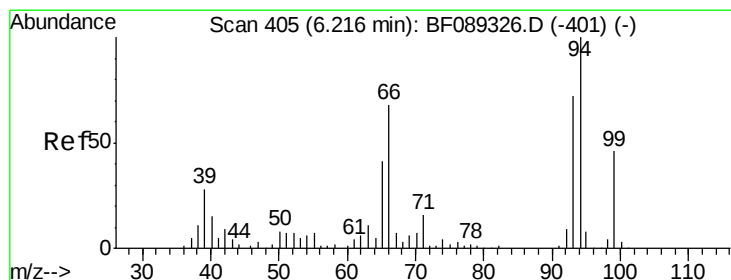
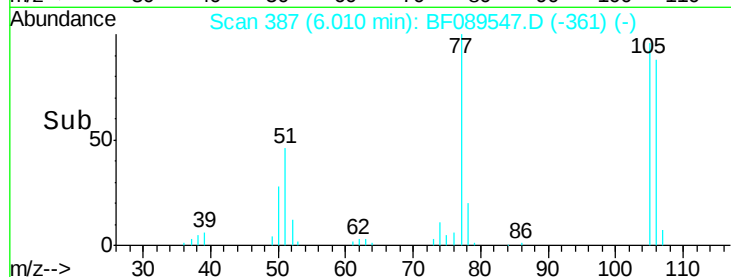
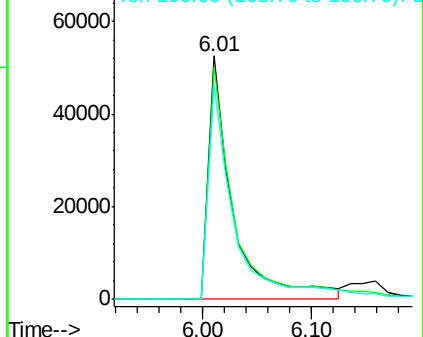
106 87.9 75.9 115.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 56.37 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

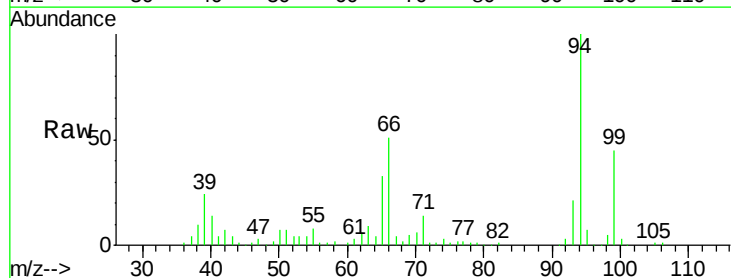
Tgt Ion: 94 Resp: 234646

Ion Ratio Lower Upper

94 100

65 33.3 19.1 59.1

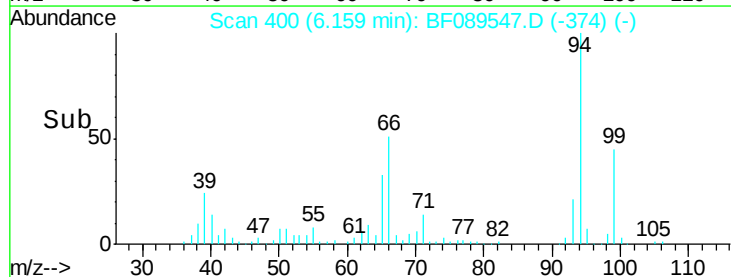
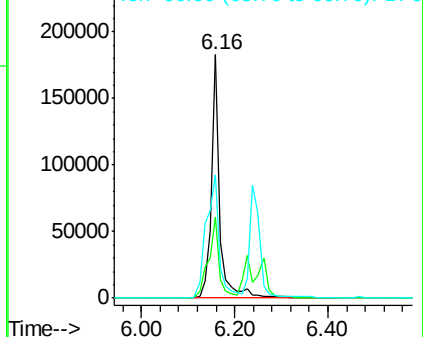
66 50.6 44.4 84.4



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 47.32 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

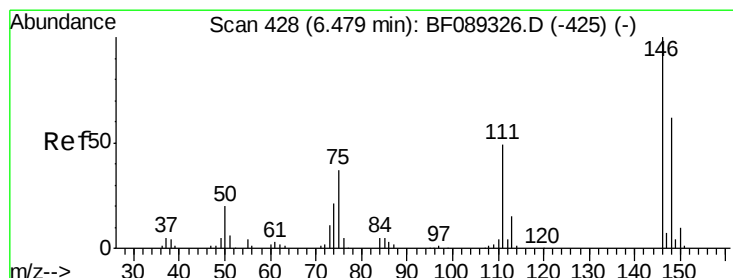
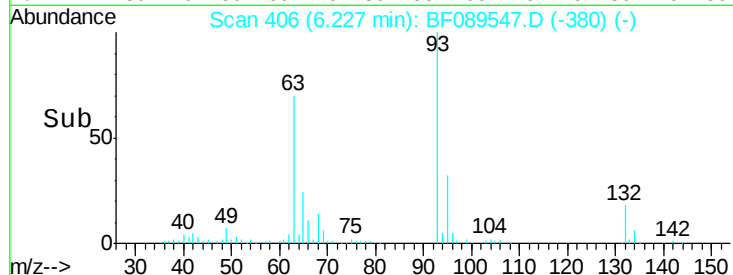
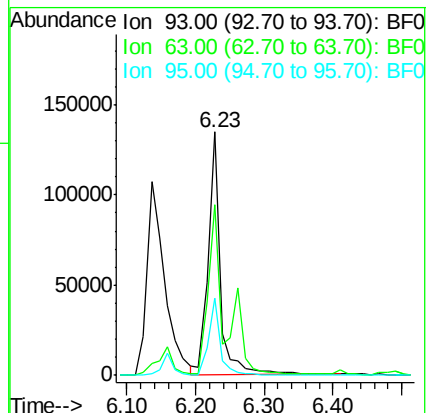
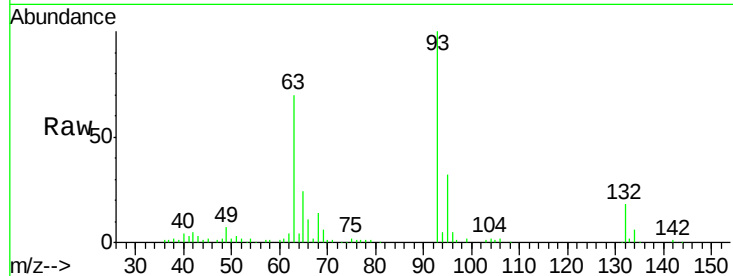
Tot Ion: 93 Resp: 167361

Ion Ratio Lower Upper

93 100

63 70.2 45.6 85.6

95 31.6 11.1 51.1



#12

1,3-Dichlorobenzene

Concen: 46.93 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

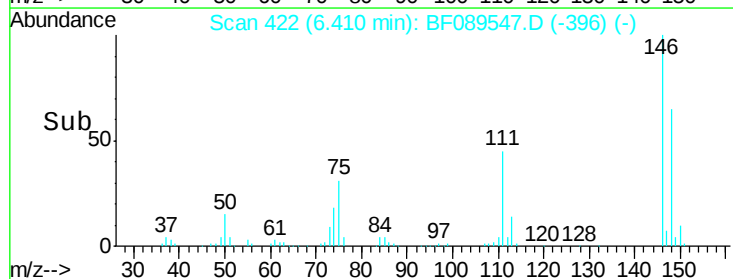
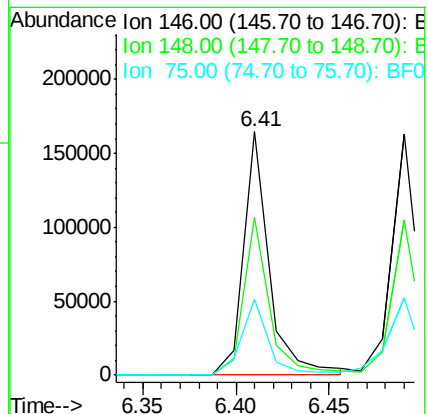
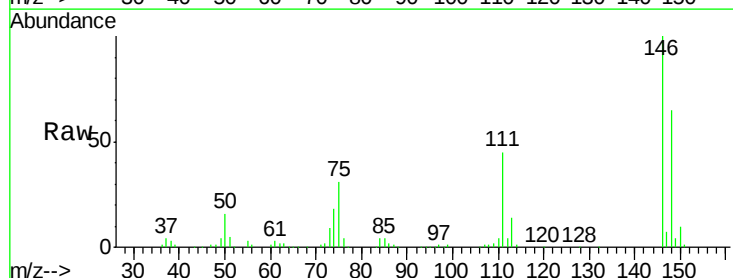
Tgt Ion: 146 Resp: 158504

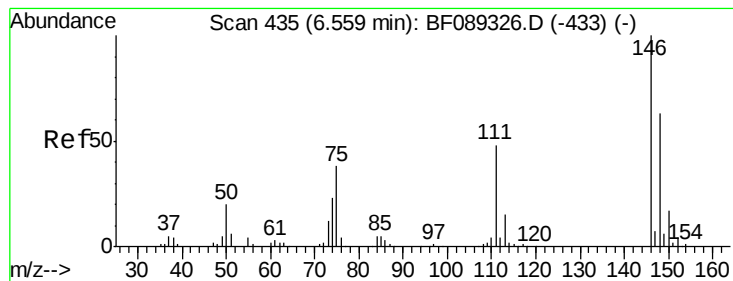
Ion Ratio Lower Upper

146 100

148 65.1 50.5 75.7

75 31.2 30.0 45.0





#13

1,4-Dichlorobenzene

Concen: 47.15 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

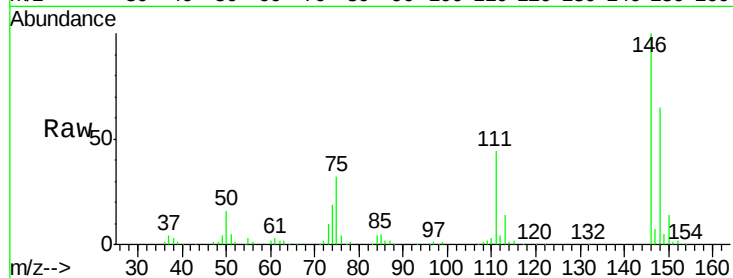
Tot Ion:146 Resp: 175754

Ion Ratio Lower Upper

146 100

148 64.7 50.8 76.2

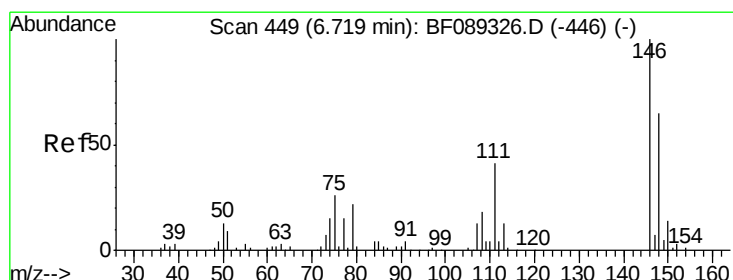
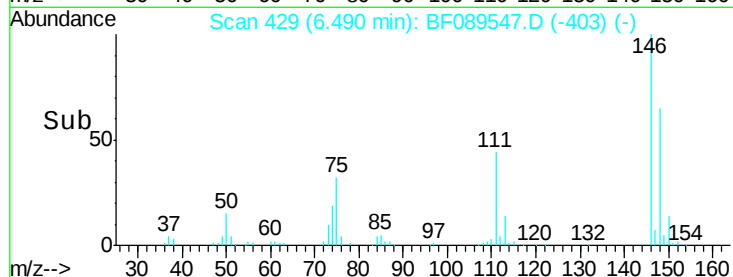
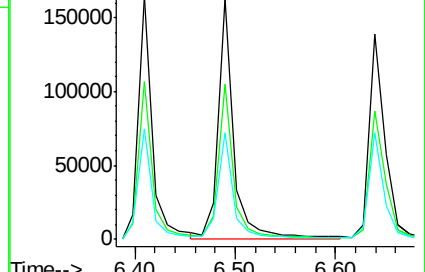
111 44.0 38.6 57.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 44.28 ng m

RT: 6.64 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

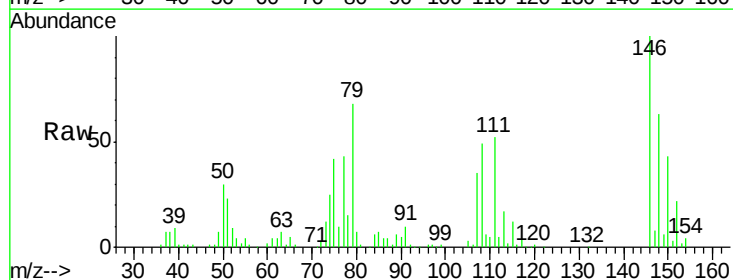
Tgt Ion:146 Resp: 154603

Ion Ratio Lower Upper

146 100

148 62.7 50.4 75.6

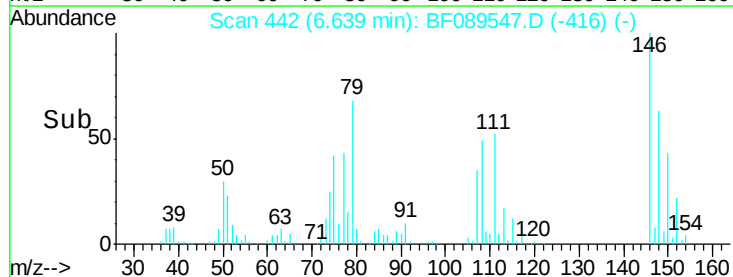
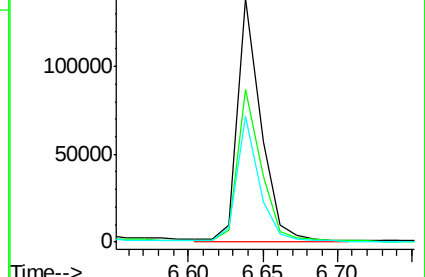
111 51.8 33.0 49.4#

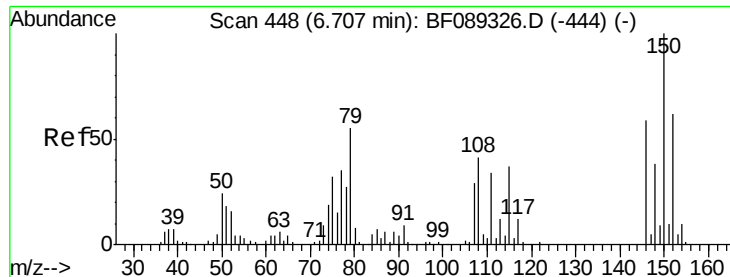


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 59.84 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

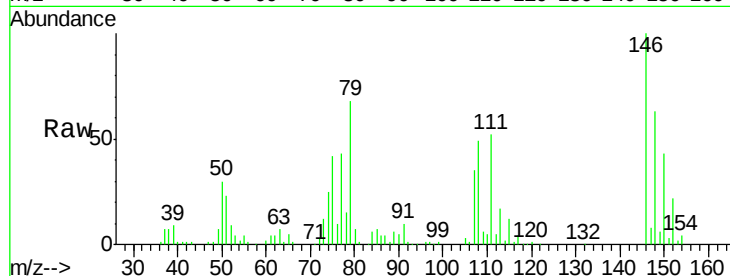
Tot Ion: 79 Resp: 140102

Ion Ratio Lower Upper

79 100

108 71.3 59.8 89.6

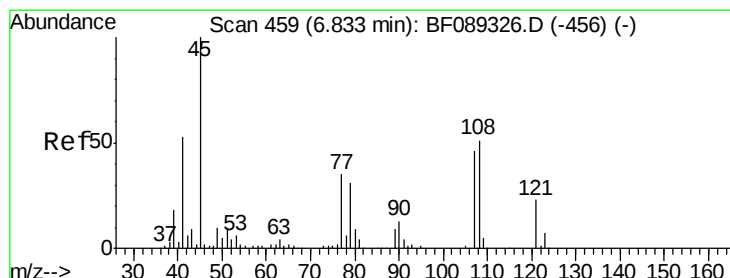
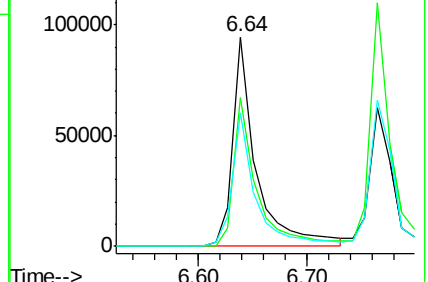
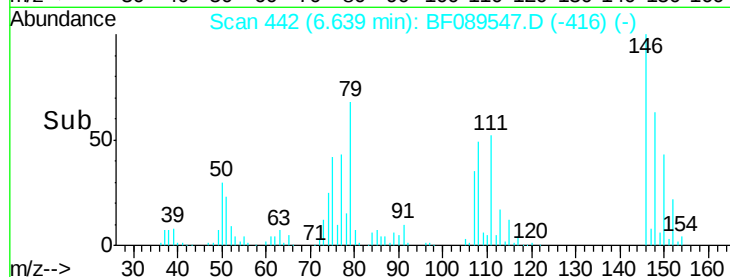
77 63.9 51.7 77.5



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.79 ng

RT: 6.78 min Scan# 454

Delta R.T. 0.01 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

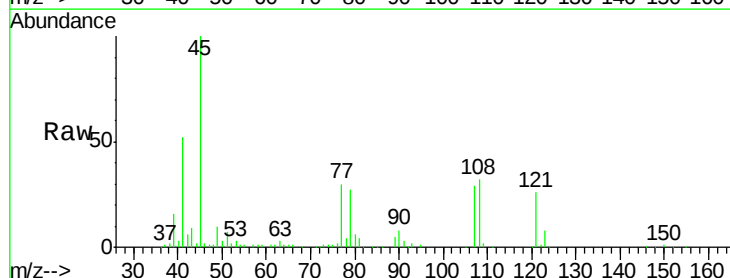
Tgt Ion: 45 Resp: 184368

Ion Ratio Lower Upper

45 100

77 30.4 17.3 57.3

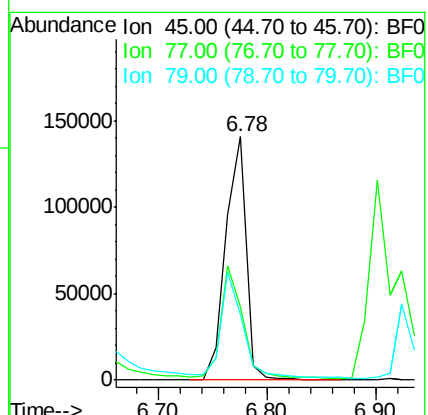
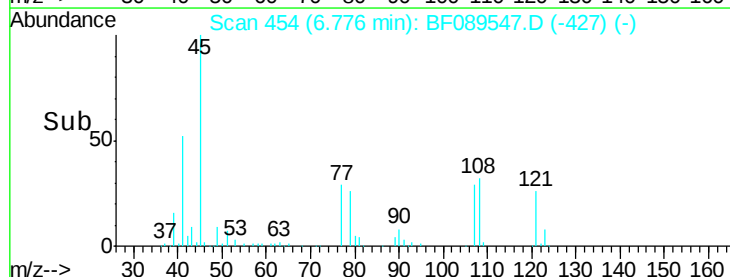
79 26.8 13.9 53.9

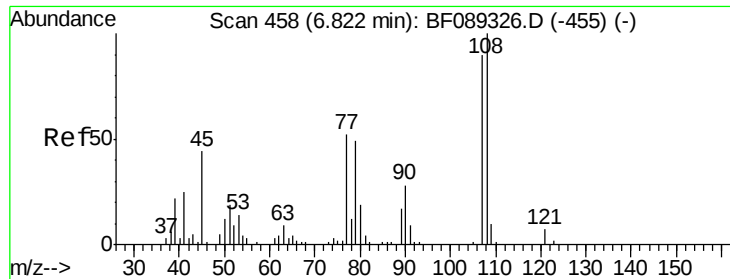


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

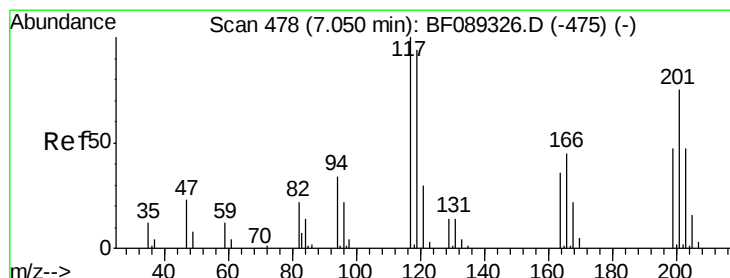
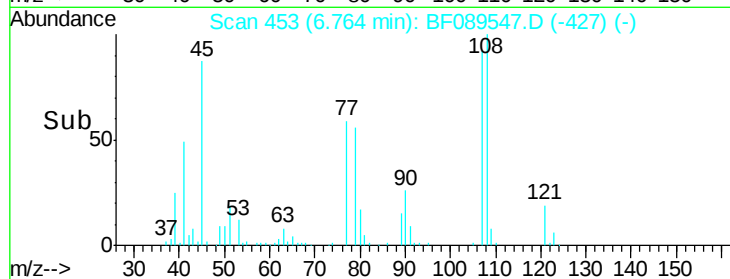
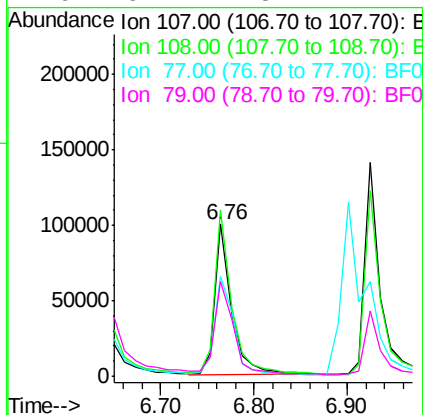
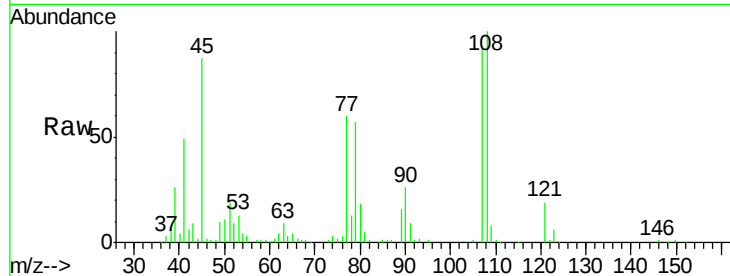




#17
2-Methylphenol
Concen: 50.85 ng
RT: 6.76 min Scan# 453
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

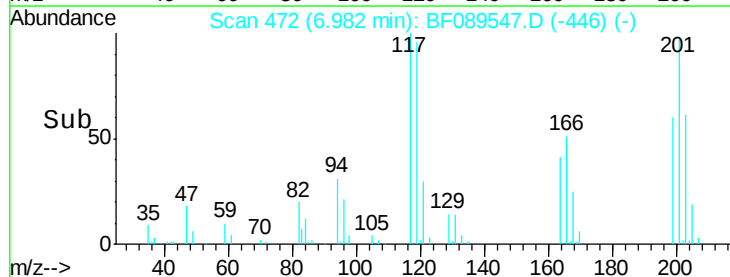
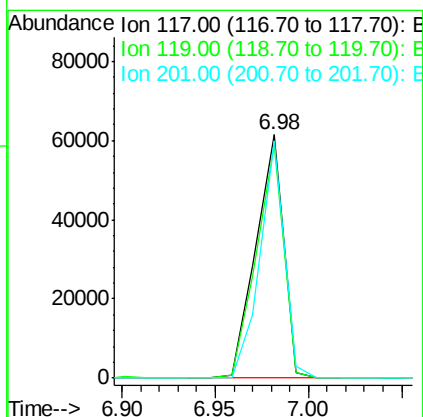
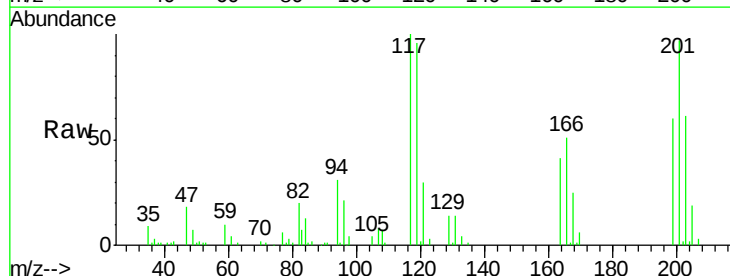
Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MSD

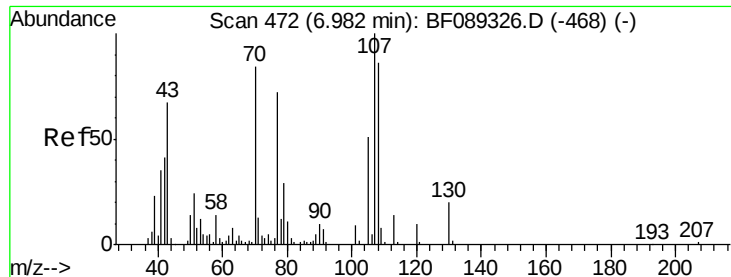
Tot Ion:107 Resp: 126905
Ion Ratio Lower Upper
107 100
108 109.2 91.4 137.0
77 65.6 48.6 73.0
79 62.2 48.2 72.4



#18
Hexachloroethane
Concen: 44.06 ng
RT: 6.98 min Scan# 472
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Tgt Ion:117 Resp: 62969
Ion Ratio Lower Upper
117 100
119 95.8 76.0 114.0
201 97.2 60.0 90.0#

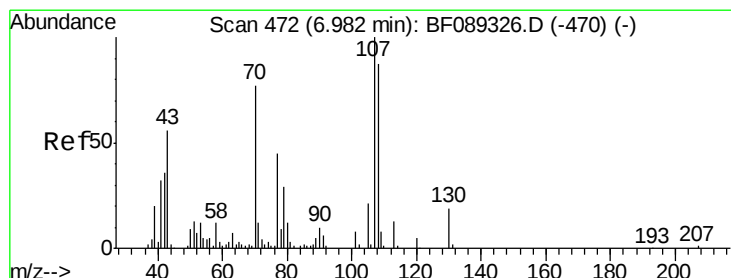
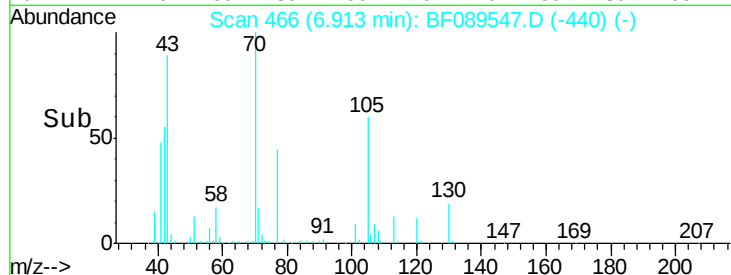
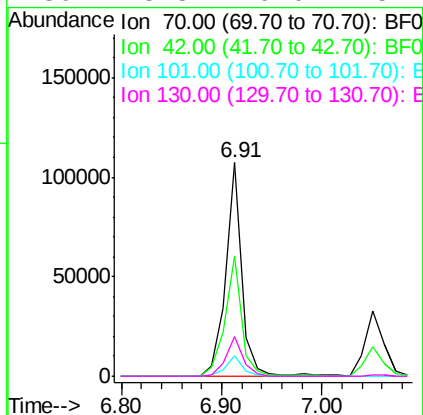
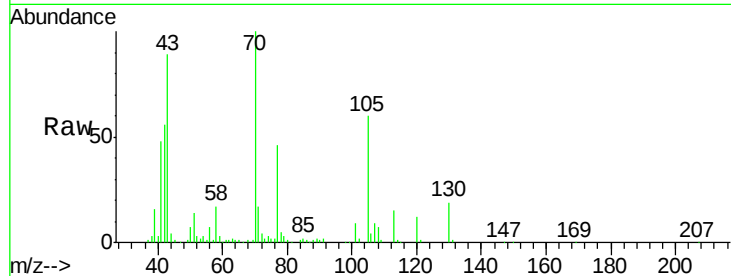




#19
n-Nitroso-di-n-propylamine
Concen: 53.03 ng
RT: 6.91 min Scan# 466
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

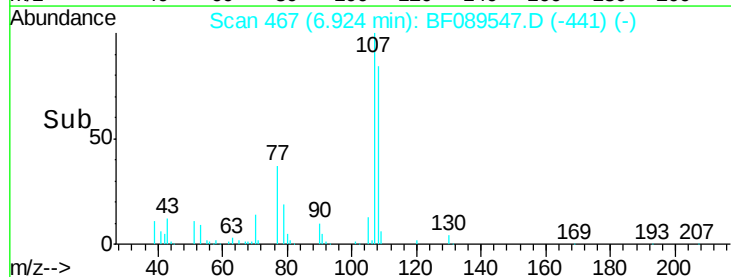
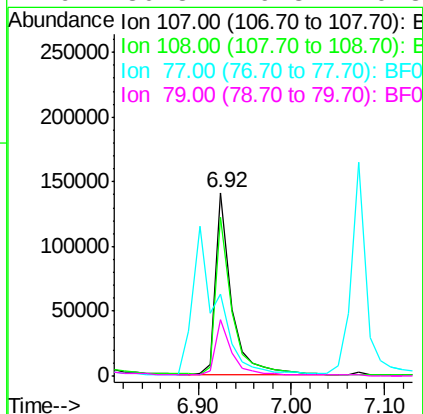
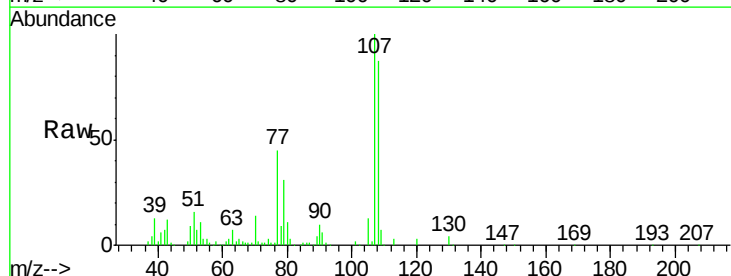
Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MSD

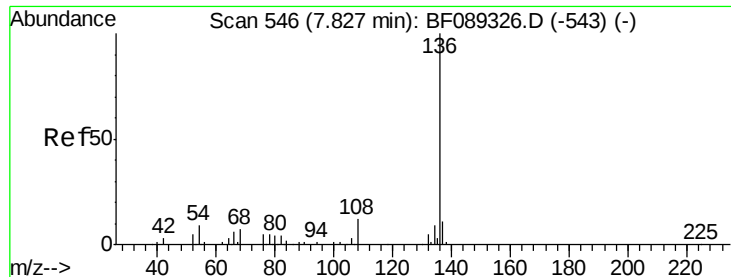
Tot Ion: 70 Resp: 120647
Ion Ratio Lower Upper
70 100
42 56.1 38.6 57.8
101 9.5 8.3 12.5
130 18.8 19.0 28.4#



#20
3+4-Methylphenols
Concen: 51.60 ng
RT: 6.92 min Scan# 467
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Tgt Ion:107 Resp: 165392
Ion Ratio Lower Upper
107 100
108 87.0 63.3 103.3
77 44.6 51.1 91.1#
79 30.8 9.3 49.3

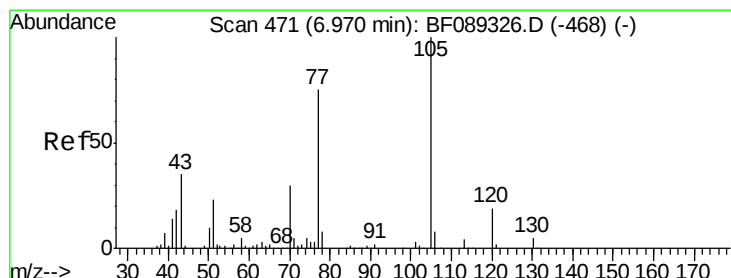
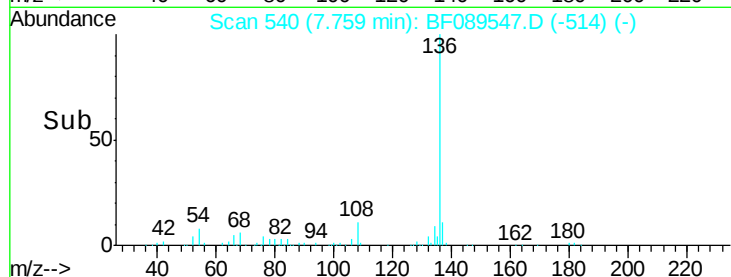
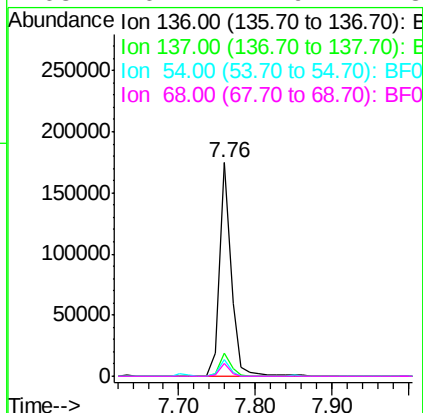
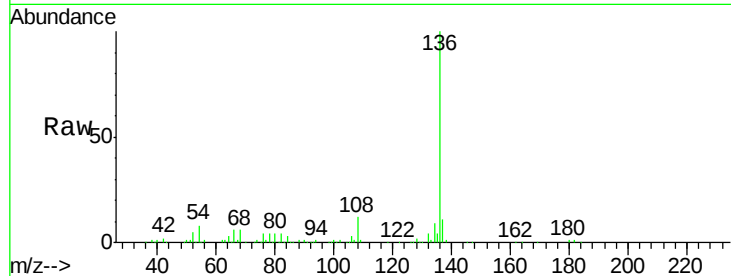




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.76 min Scan# 540
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

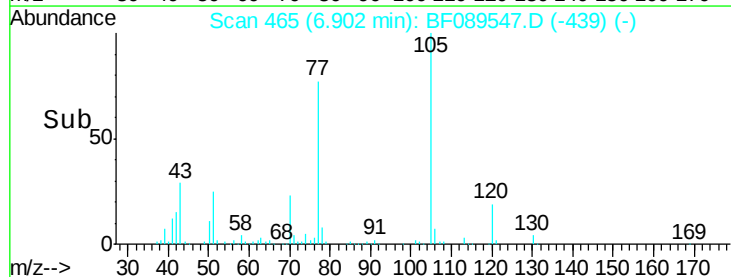
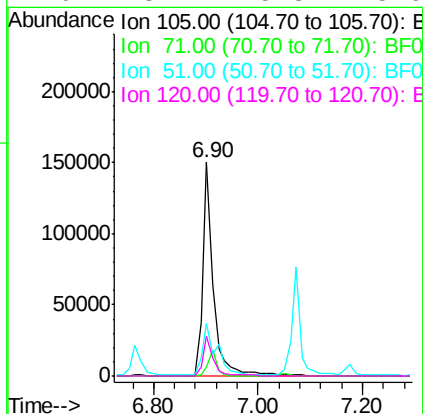
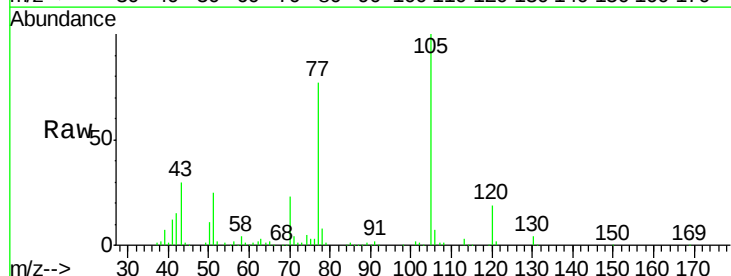
Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MSD

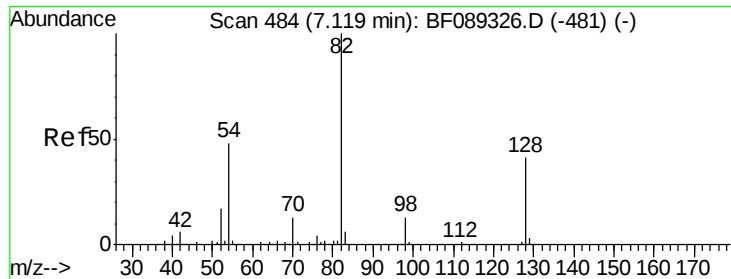
Tot Ion:136	Resp:	186889
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.6 13.0
54	8.0	7.0 10.4
68	6.2	4.9 7.3



#22
Acetophenone
Concen: 48.00 ng
RT: 6.90 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Tgt Ion:105	Resp:	213568
Ion Ratio	Lower	Upper
105	100	
71	4.0	4.2 6.2#
51	24.7	18.7 28.1
120	18.7	15.8 23.6

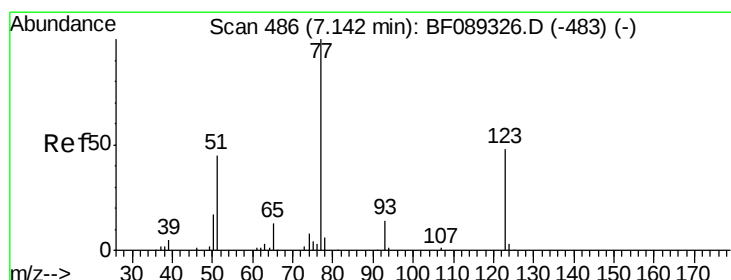
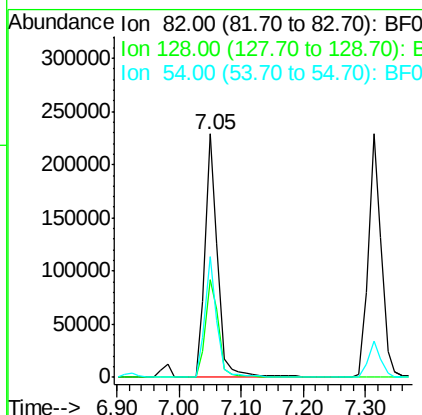
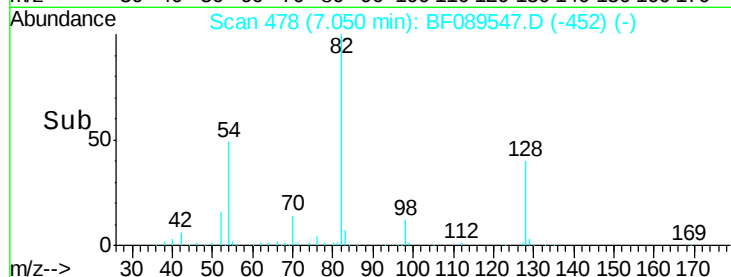
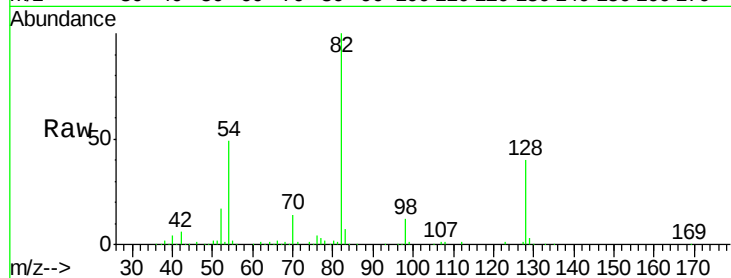




#23
Nitrobenzene-d5
Concen: 102.90 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

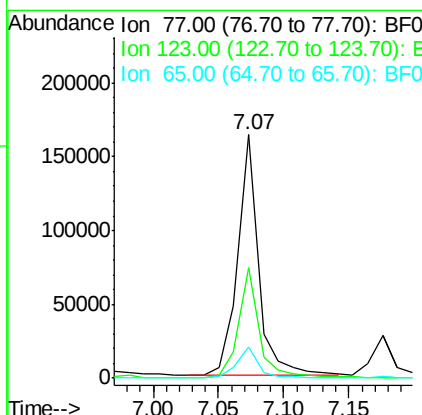
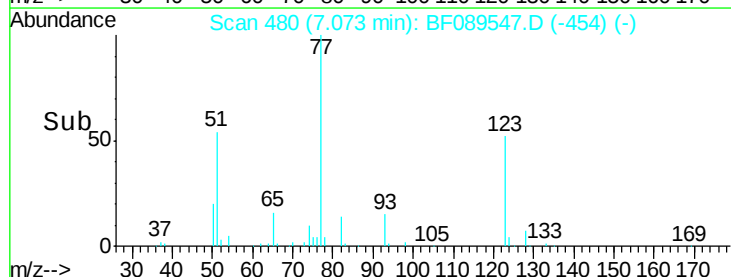
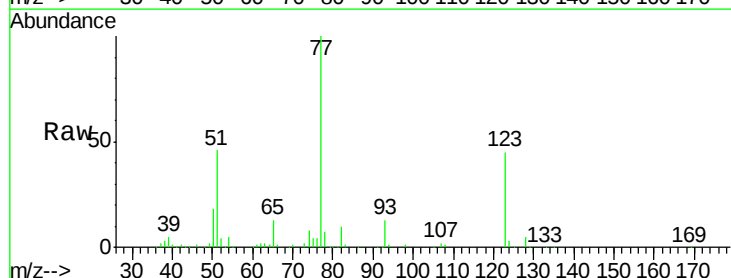
Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MSD

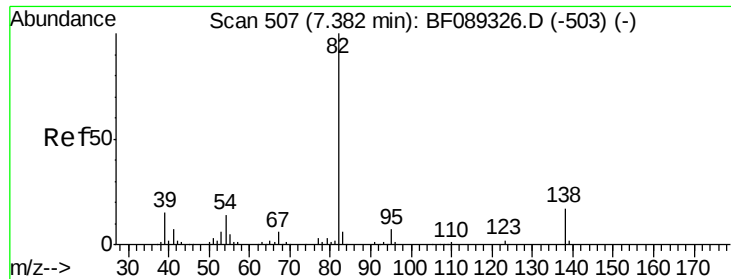
Tot Ion	82	Resp	325807
Ion	Ratio	Lower	Upper
82	100		
128	40.4	32.5	48.7
54	49.4	38.8	58.2



#24
Nitrobenzene
Concen: 50.31 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Tgt Ion	77	Resp	181297
Ion	Ratio	Lower	Upper
77	100		
123	45.3	37.2	55.8
65	12.7	10.2	15.4





#25

Isophorone

Concen: 51.10 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

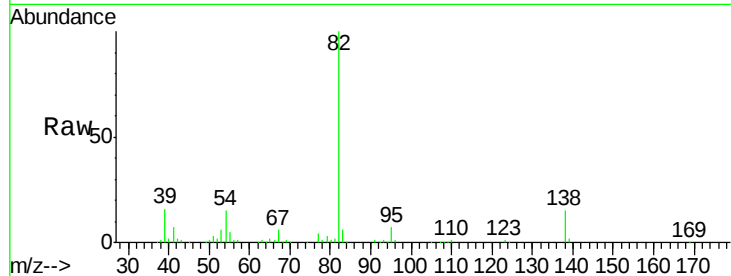
Tot Ion: 82 Resp: 325899

Ion Ratio Lower Upper

82 100

95 7.2 6.0 9.0

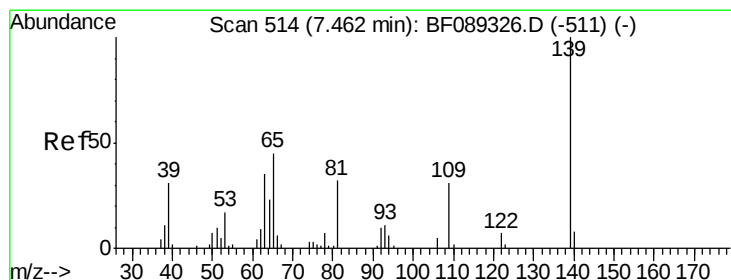
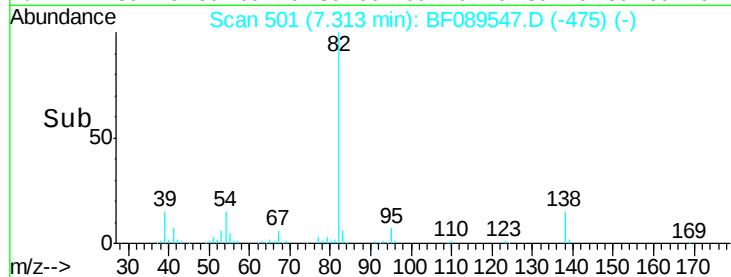
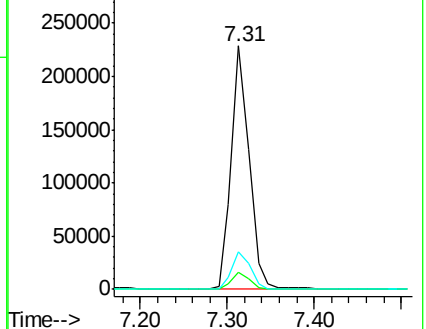
138 15.4 13.3 19.9



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 51.15 ng

RT: 7.39 min Scan# 508

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

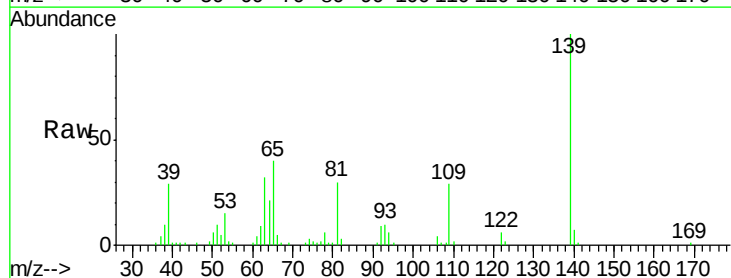
Tgt Ion: 139 Resp: 82406

Ion Ratio Lower Upper

139 100

109 29.1 25.8 38.8

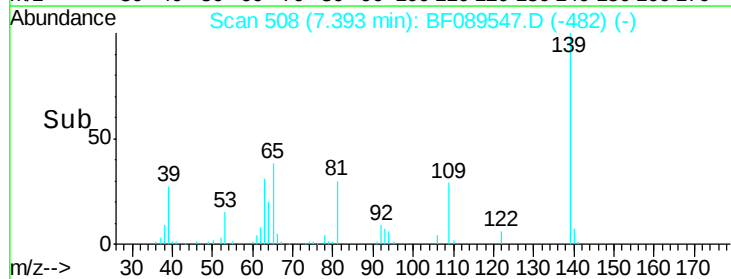
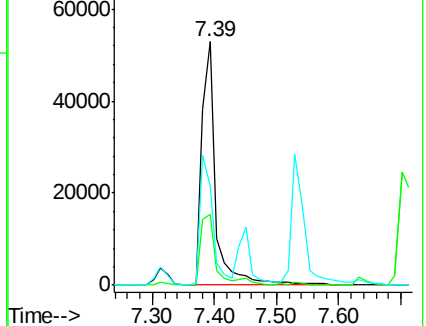
65 40.4 35.2 52.8

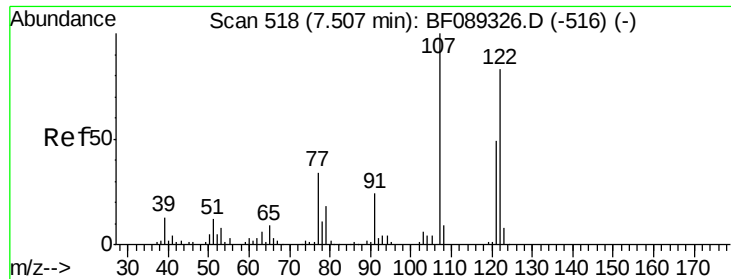


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

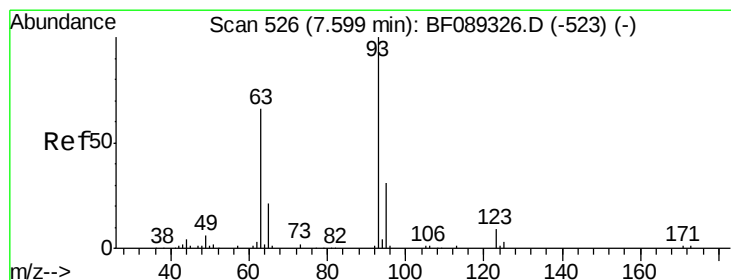
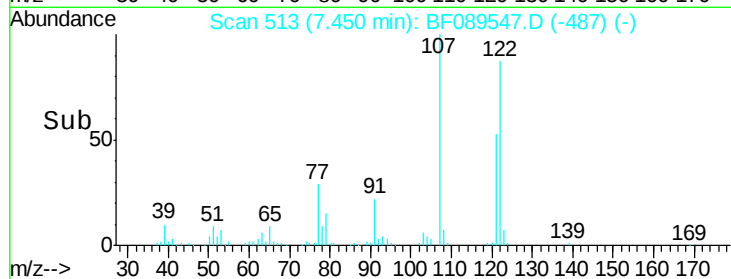
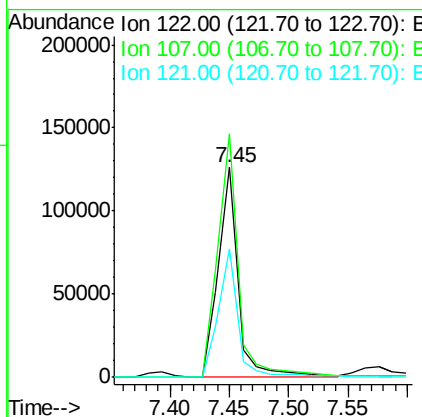
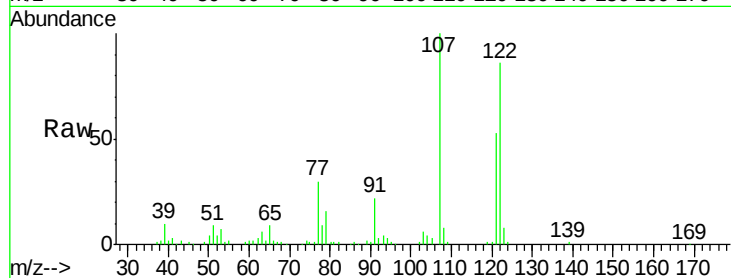




#27
 2,4-Dimethylphenol
 Concen: 57.12 ng
 RT: 7.45 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

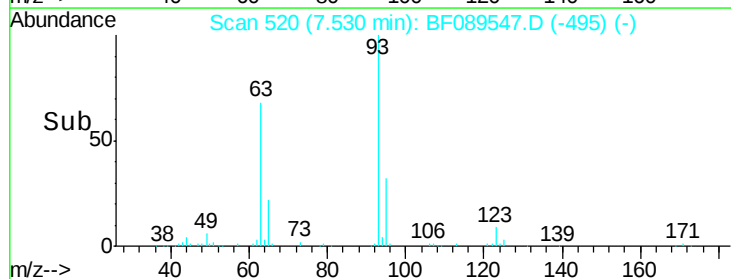
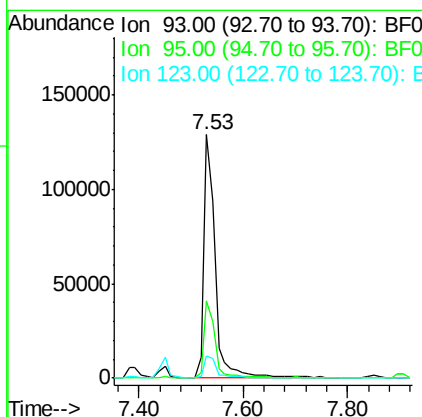
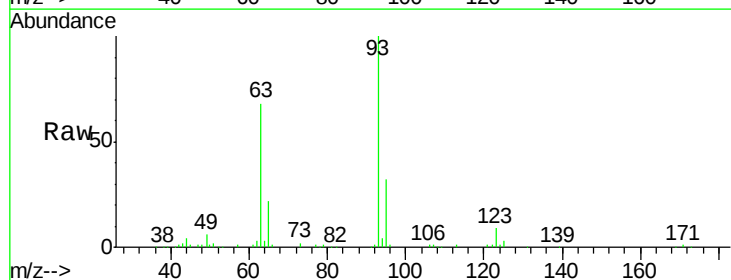
Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MSD

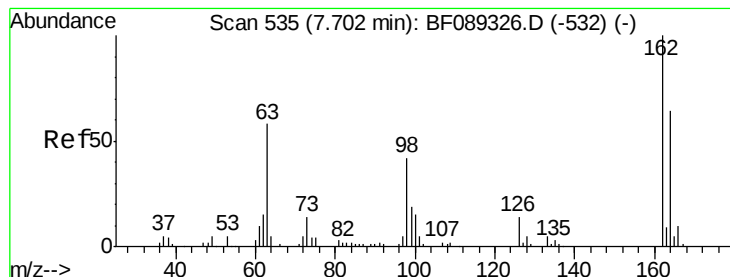
Tot Ion	Ratio	Lower	Upper
122	100		
107	115.9	97.2	145.8
121	60.9	48.8	73.2



#28
 bis(2-Chloroethoxy)methane
 Concen: 55.46 ng
 RT: 7.53 min Scan# 520
 Delta R.T. -0.01 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.8	24.7	37.1
123	9.3	7.5	11.3





#29

2,4-Dichlorophenol

Concen: 55.30 ng

RT: 7.63 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

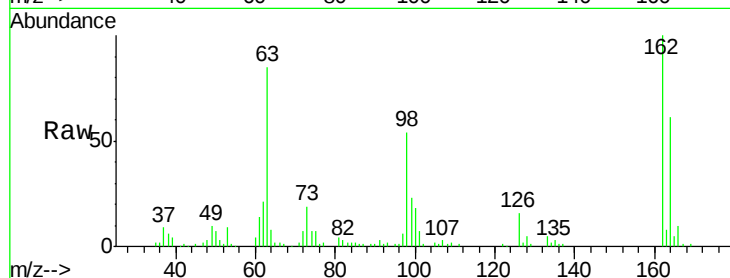
Tot Ion:162 Resp: 129331

Ion Ratio Lower Upper

162 100

164 61.4 44.0 84.0

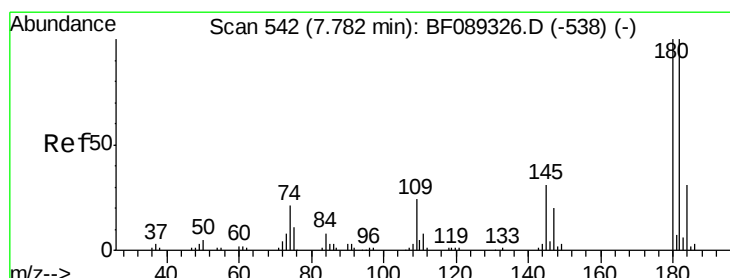
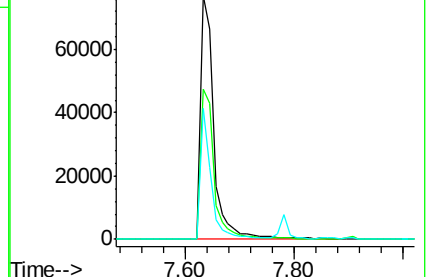
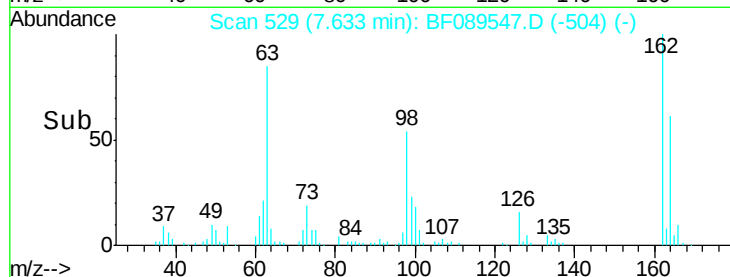
98 54.0 21.8 61.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 49.48 ng

RT: 7.71 min Scan# 536

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

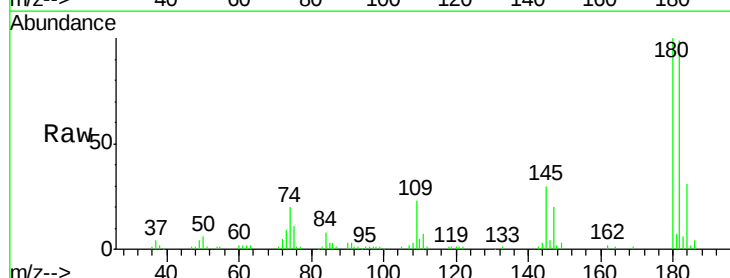
Tgt Ion:180 Resp: 132045

Ion Ratio Lower Upper

180 100

182 99.0 78.2 117.2

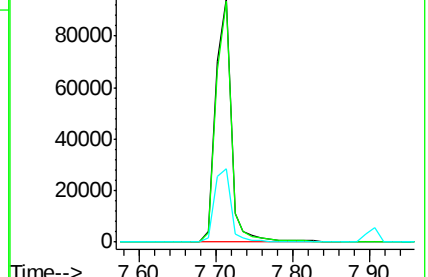
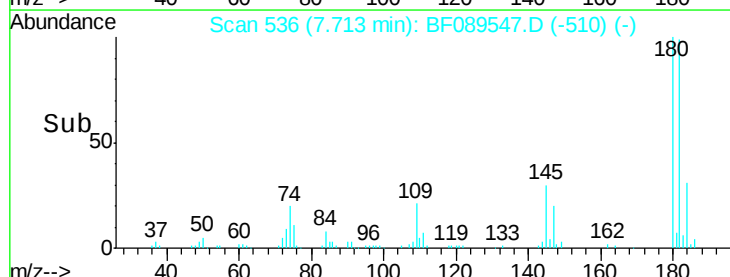
145 30.4 24.6 36.8

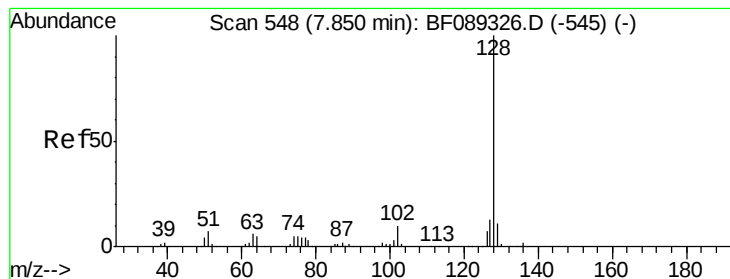


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 50.73 ng

RT: 7.78 min Scan# 542

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

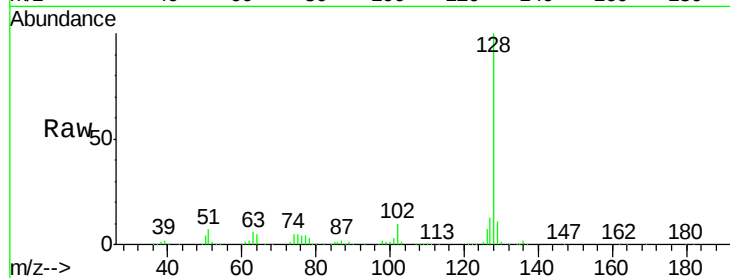
Tot Ion:128 Resp: 469445

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

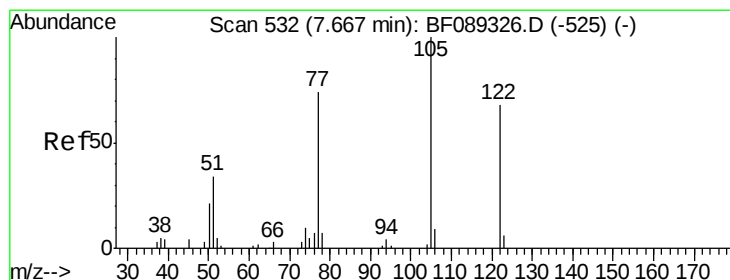
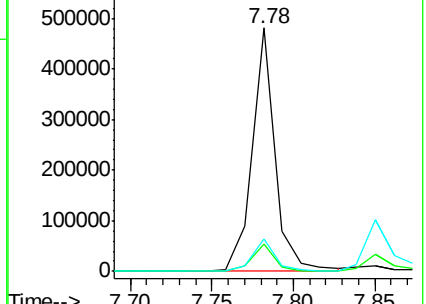
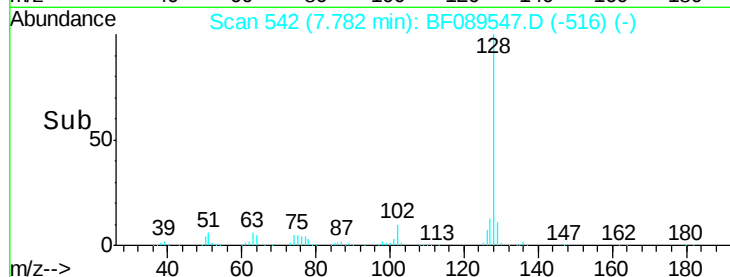
127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.54 ng

RT: 7.58 min Scan# 524

Delta R.T. -0.05 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

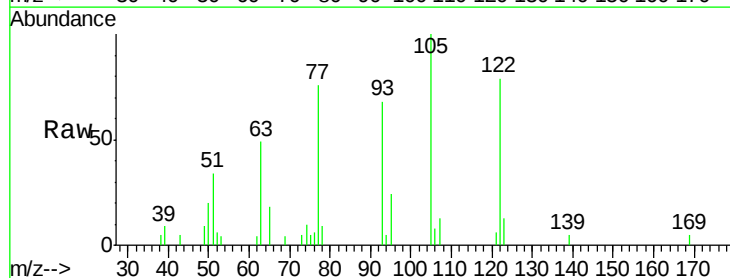
Tgt Ion:122 Resp: 15271

Ion Ratio Lower Upper

122 100

105 126.9 106.4 146.4

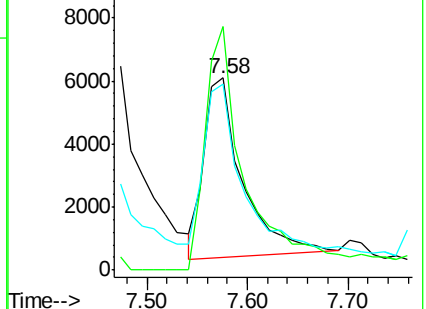
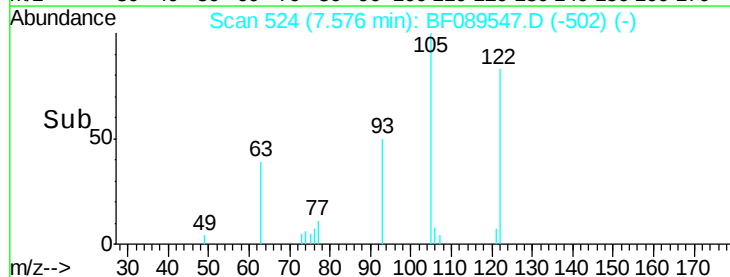
77 96.8 76.4 116.4

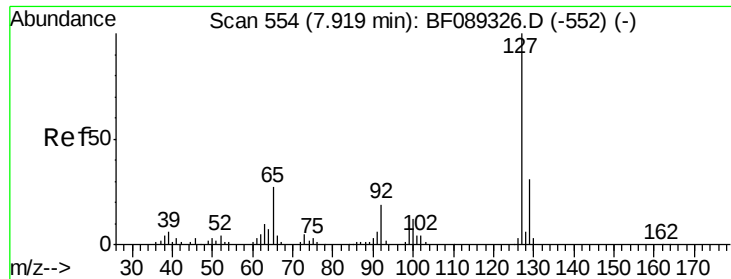


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

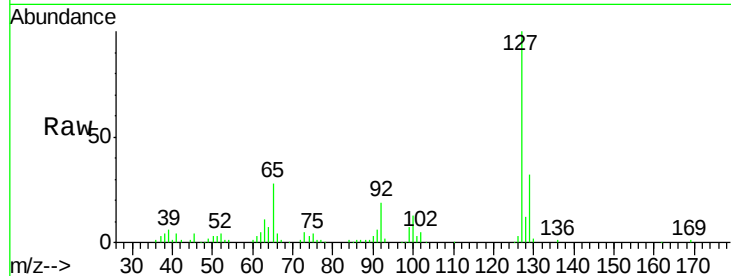




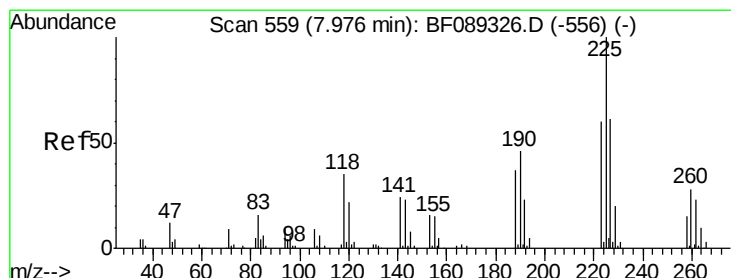
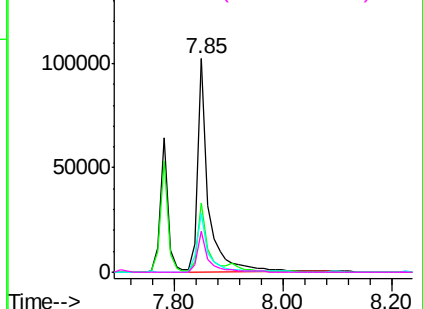
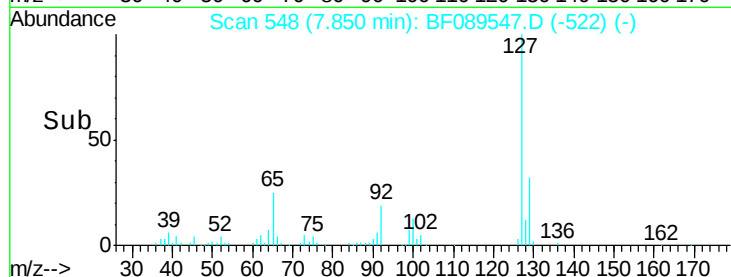
#33
4-Chloroaniline
Concen: 38.90 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MSD

Tot Ion:	127	Resp:	137072
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	27.7	22.0	33.0
92	19.0	15.2	22.8

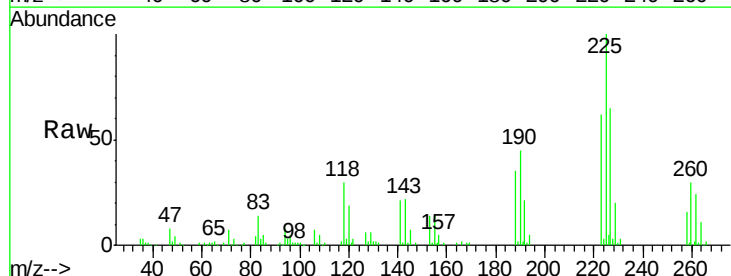


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

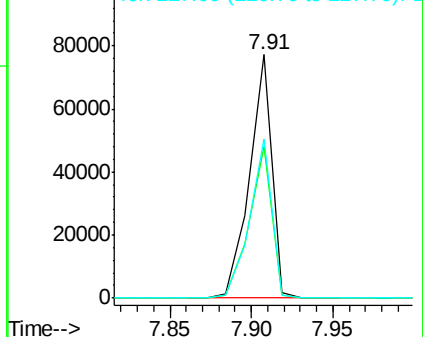
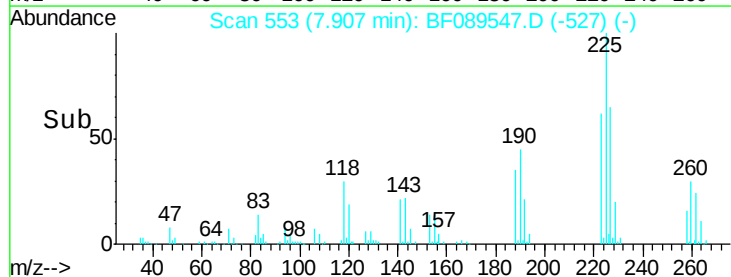


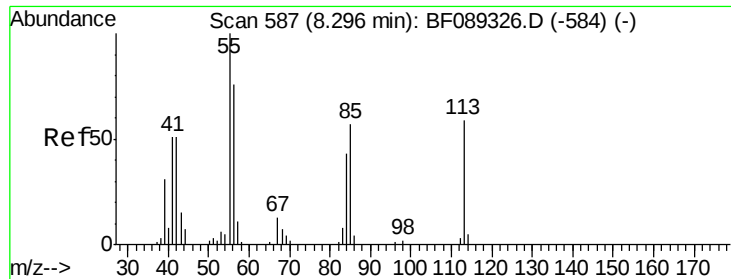
#34
Hexachlorobutadiene
Concen: 47.91 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Tgt Ion:	225	Resp:	73215
Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.8	74.8
227	65.3	49.4	74.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 55.12 ng/ml

RT: 8.24 min Scan# 582

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

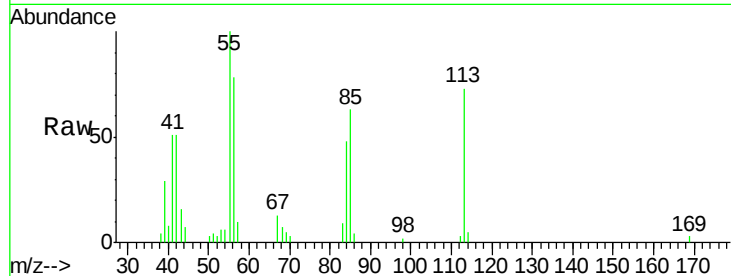
Tot Ion:113 Resp: 38911

Ion Ratio Lower Upper

113 100

55 137.9 142.3 182.3#

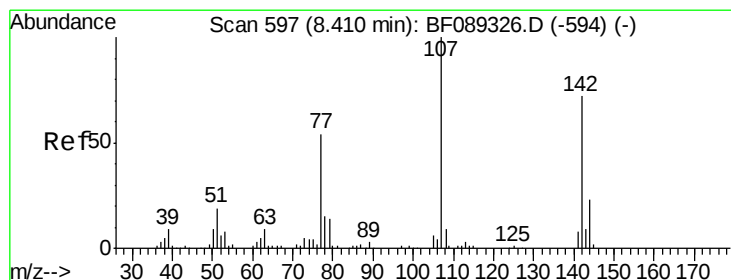
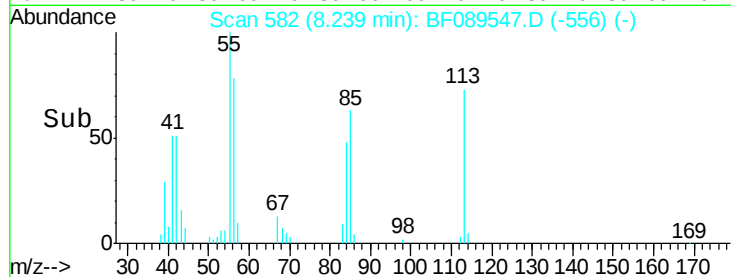
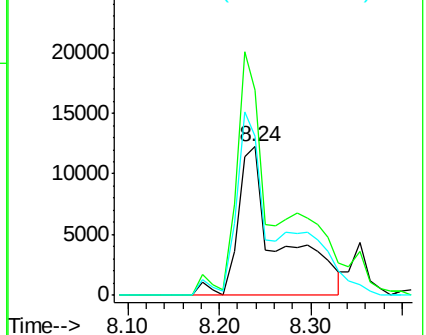
56 107.5 105.8 145.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 54.71 ng/ml

RT: 8.35 min Scan# 592

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

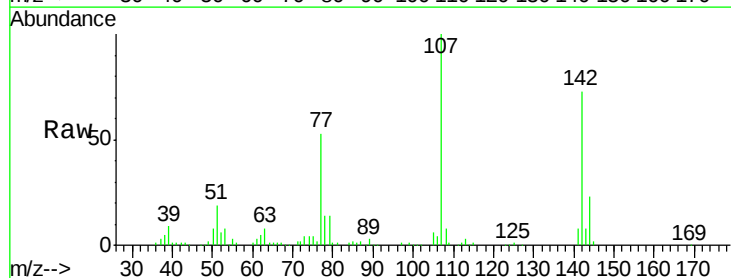
Tgt Ion:107 Resp: 152076

Ion Ratio Lower Upper

107 100

144 23.3 18.4 27.6

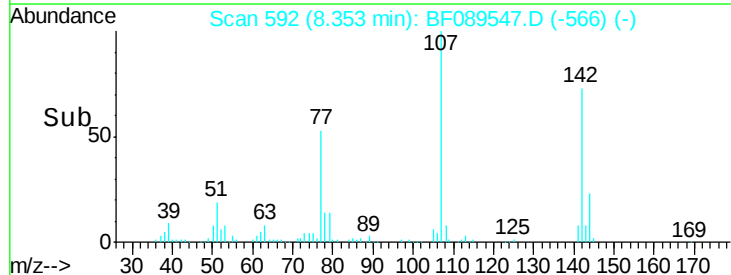
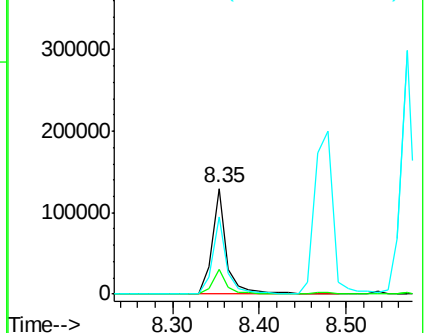
142 73.3 58.6 87.8

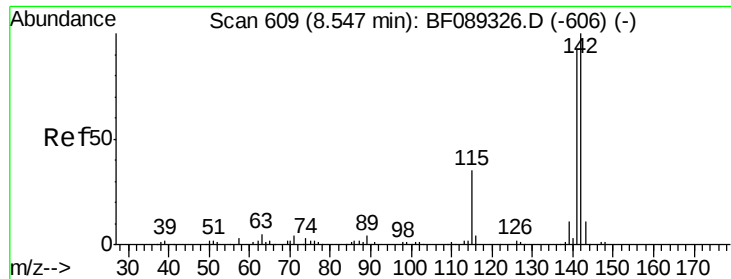


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

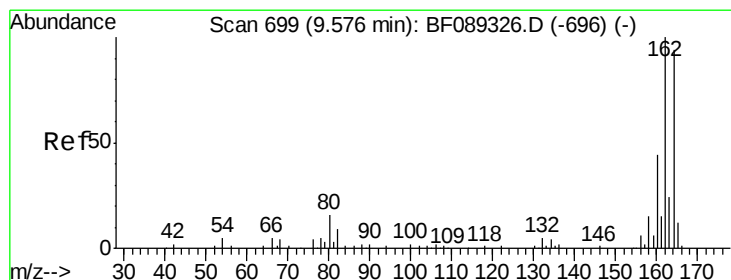
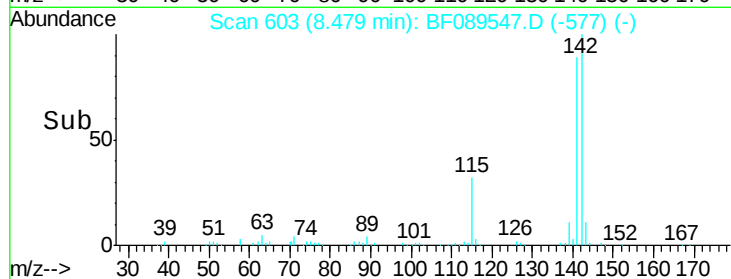
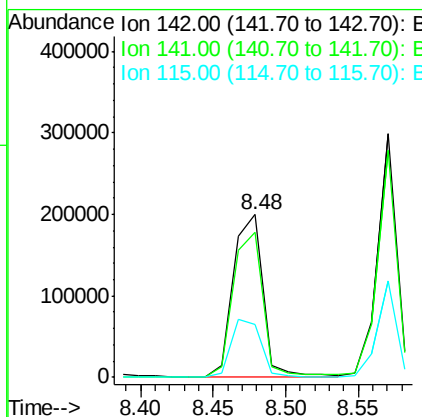
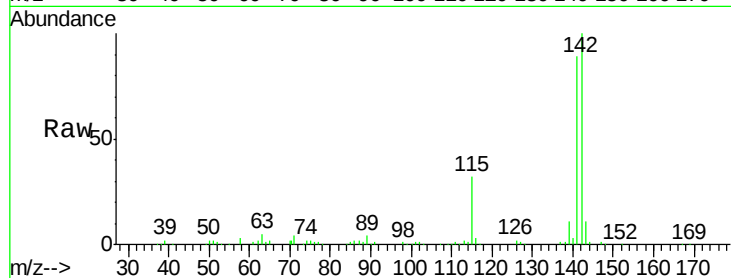




#37
2-Methylnaphthalene
Concen: 51.40 ng
RT: 8.48 min Scan# 603
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

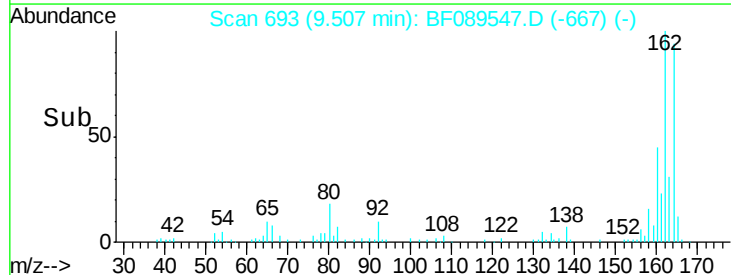
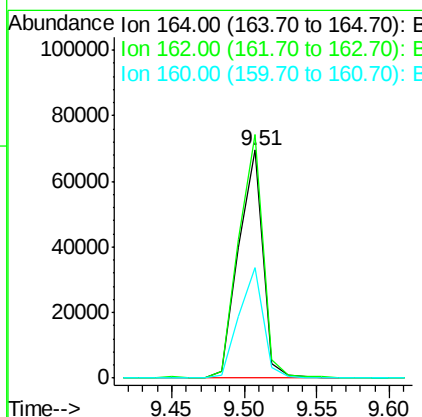
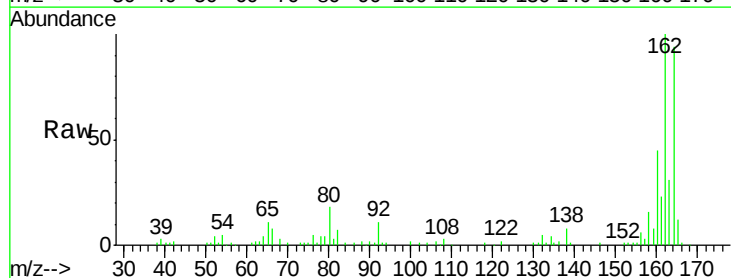
Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MSD

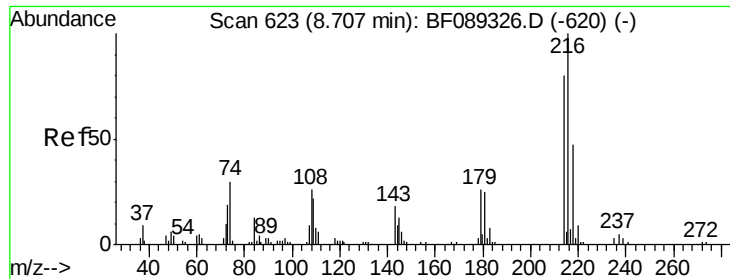
Tot Ion:142 Resp: 286635
Ion Ratio Lower Upper
142 100
141 89.1 70.9 106.3
115 32.3 27.6 41.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Tgt Ion:164 Resp: 80398
Ion Ratio Lower Upper
164 100
162 106.9 83.7 125.5
160 48.3 37.8 56.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.91 ng

RT: 8.64 min Scan# 617

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

Tot Ion:216 Resp: 106668

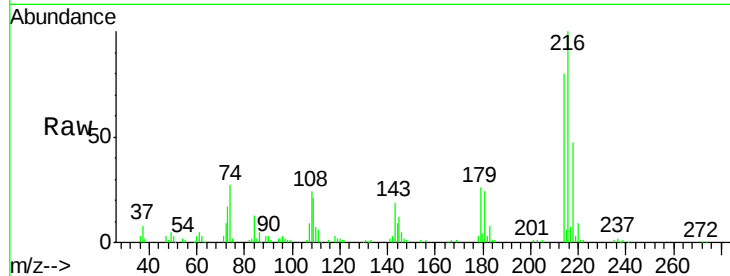
Ion Ratio Lower Upper

216 100

214 79.5 63.3 94.9

179 23.4 18.1 27.1

108 22.9 17.2 25.8

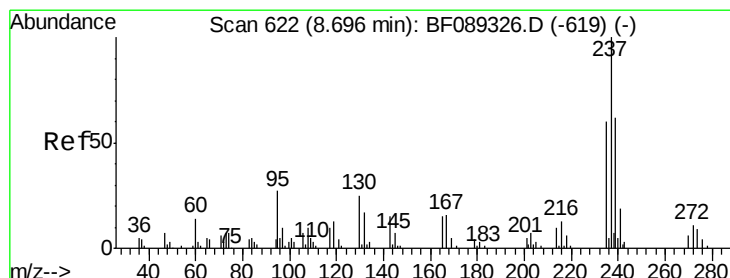
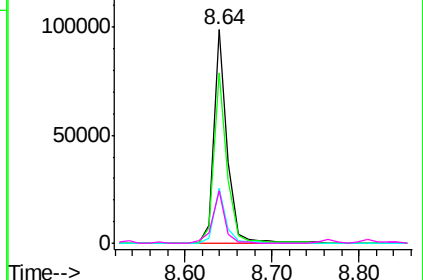
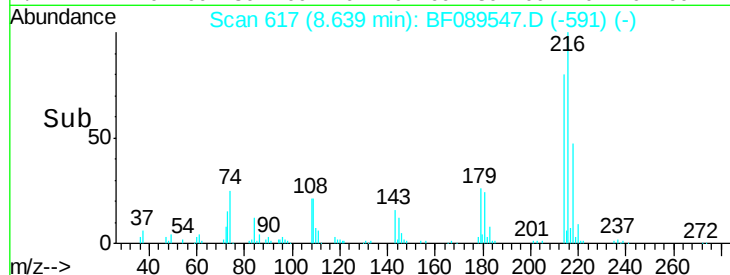


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 68.19 ng

RT: 8.63 min Scan# 616

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

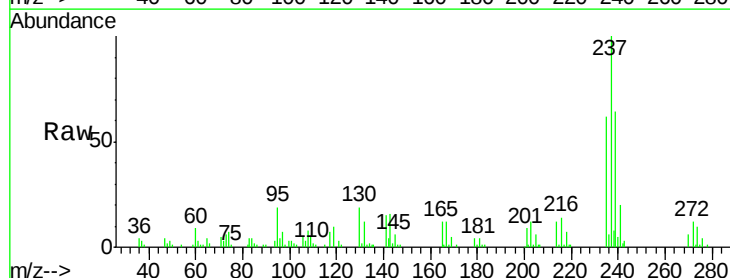
Tgt Ion:237 Resp: 53500

Ion Ratio Lower Upper

237 100

235 62.2 41.6 81.6

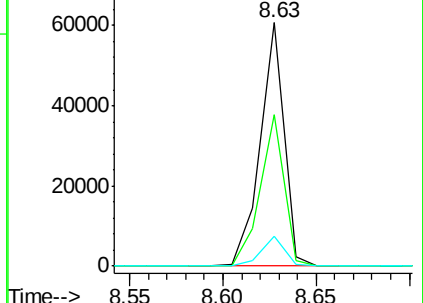
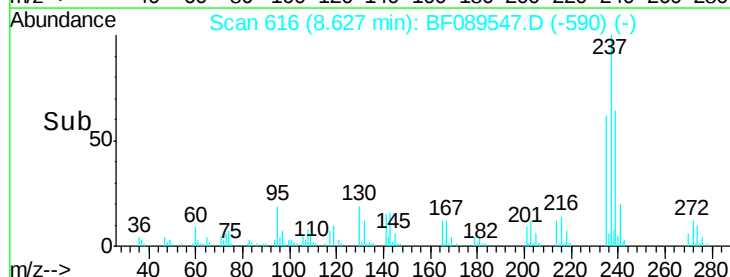
272 12.3 0.0 30.8

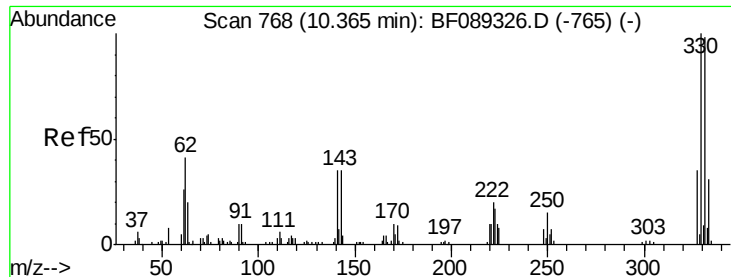


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

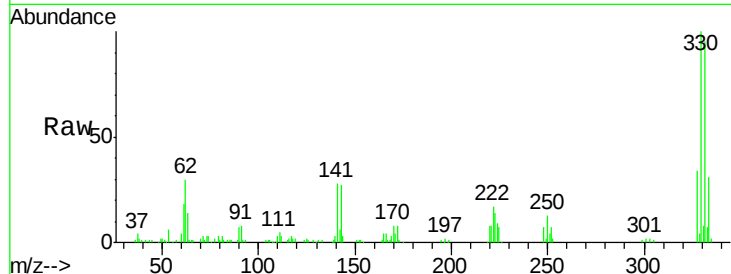




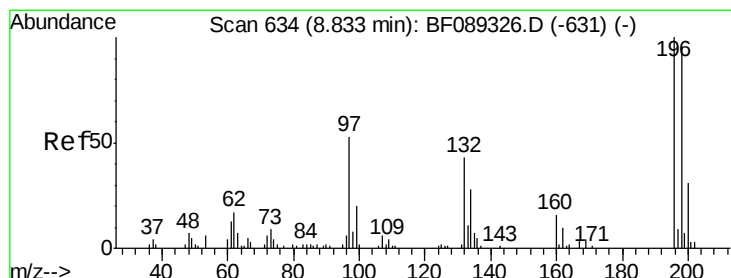
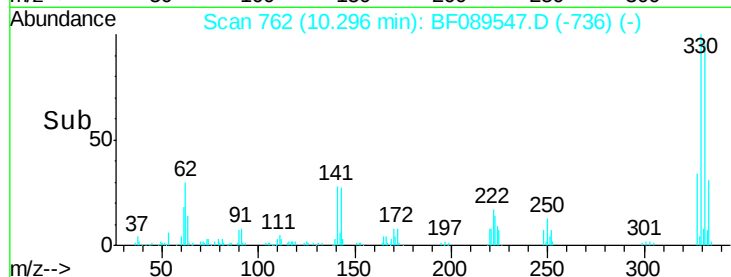
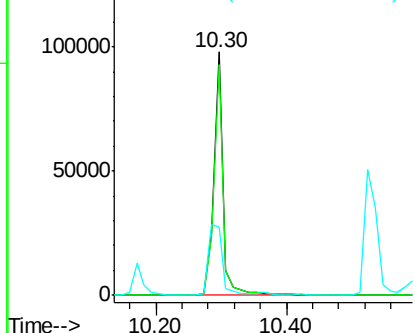
#41
 2,4,6-Tribromophenol
 Concen: 149.82 ng
 RT: 10.30 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.8	115.2
141	43.8	37.3	55.9

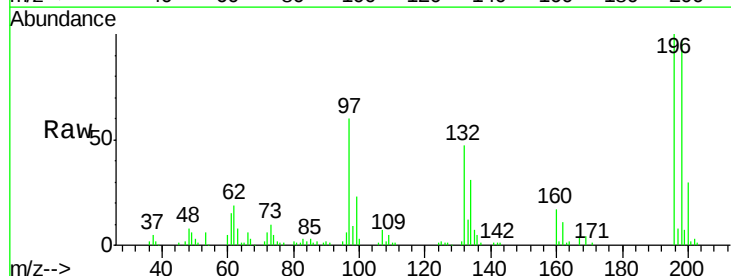


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

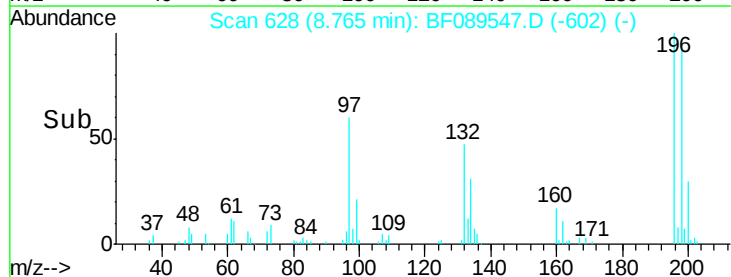
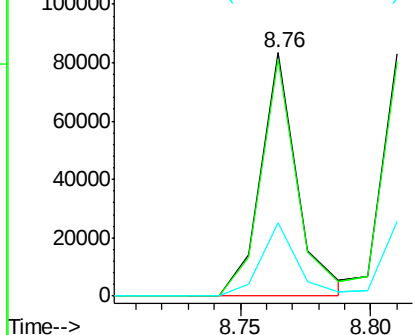


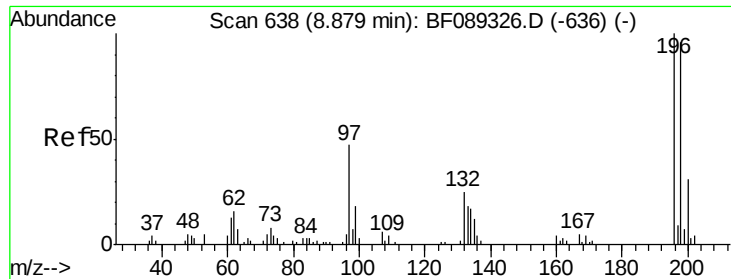
#42
 2,4,6-Trichlorophenol
 Concen: 60.70 ng
 RT: 8.76 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.3	75.5	113.3
200	30.4	23.9	35.9



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

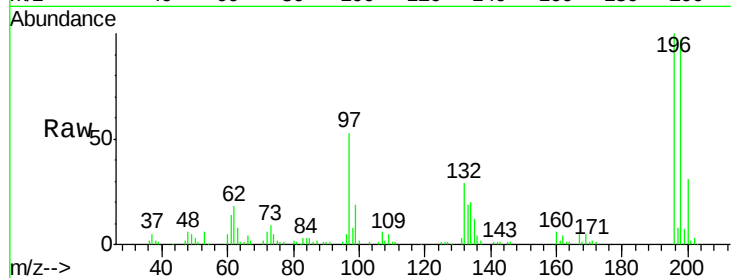




#43
 2,4,5-Trichlorophenol
 Concen: 55.96 ng
 RT: 8.81 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	96.7	78.7	118.1
97	52.7	39.7	59.5
132	28.7	22.8	34.2



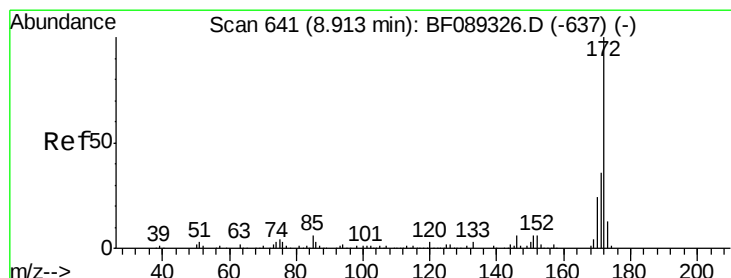
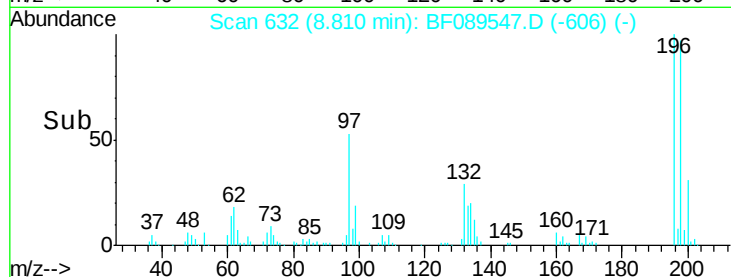
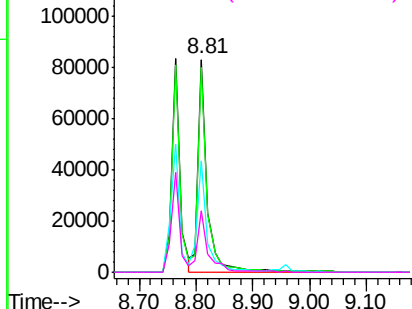
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

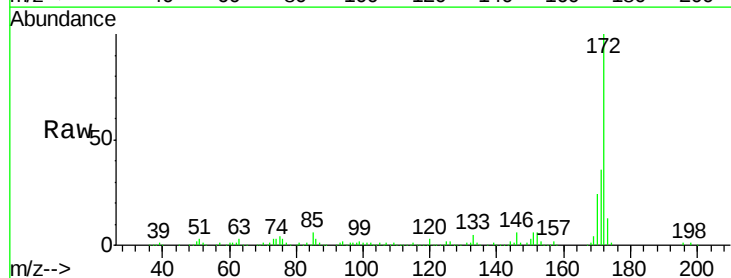
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 106.54 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.2	43.8
170	23.6	19.2	28.8

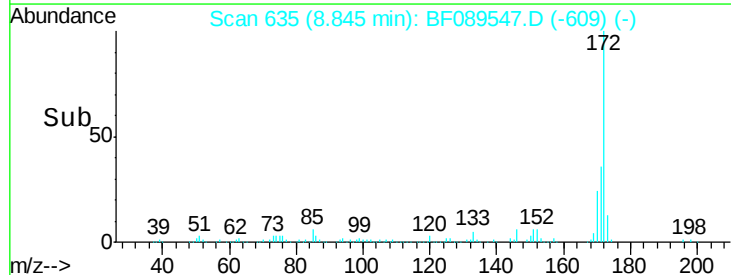
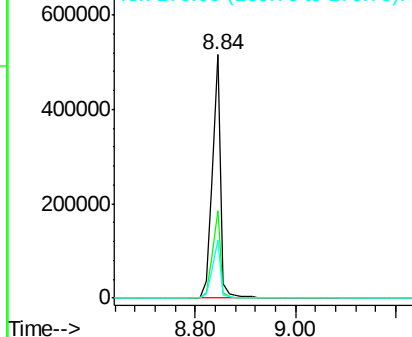


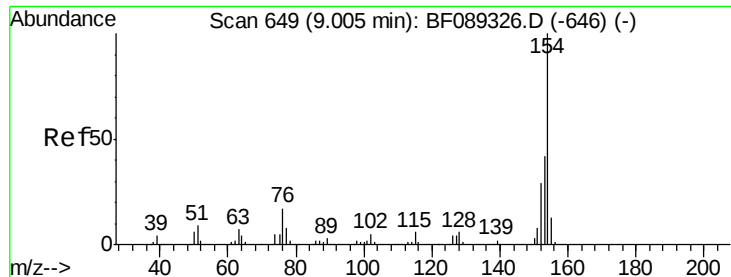
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

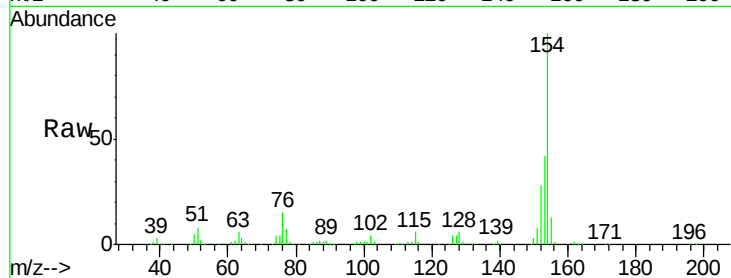




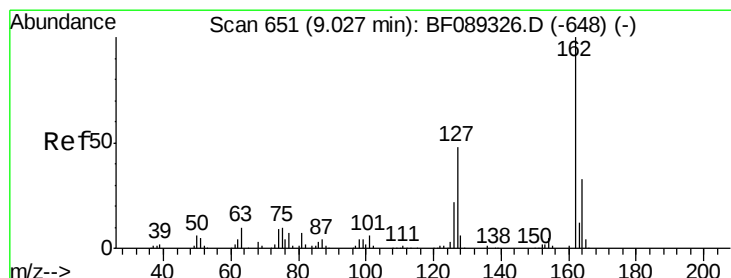
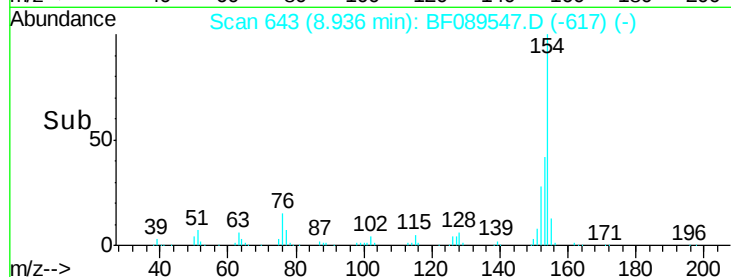
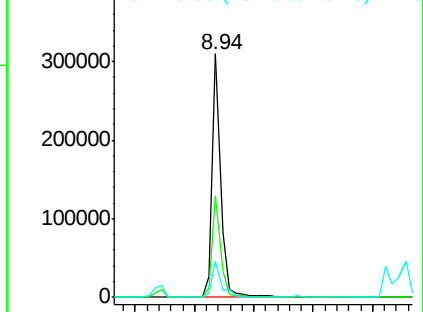
#45
 1,1'-Biphenyl
 Concen: 45.14 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MSD

Tot Ion:154 Resp: 309031
 Ion Ratio Lower Upper
 154 100
 153 41.7 21.0 61.0
 76 14.8 0.0 36.6

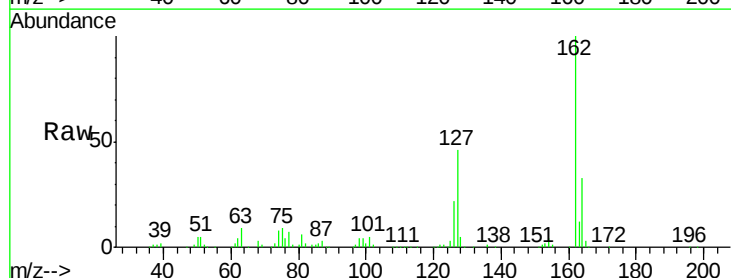


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BFO

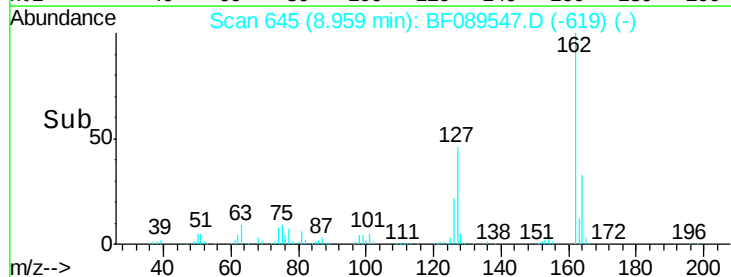
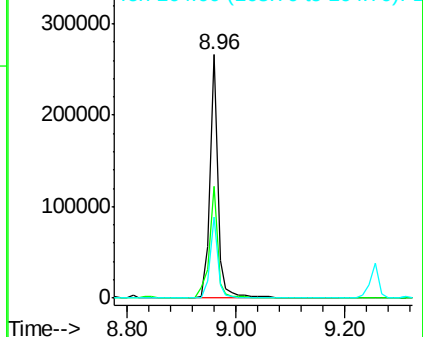


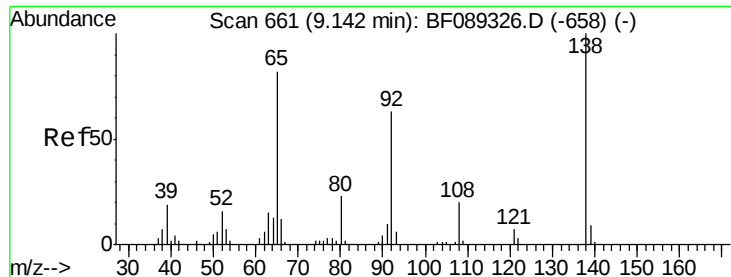
#46
 2-Chloronaphthalene
 Concen: 53.29 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.00 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Tgt Ion:162 Resp: 273961
 Ion Ratio Lower Upper
 162 100
 127 46.1 37.8 56.8
 164 33.2 25.8 38.8



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

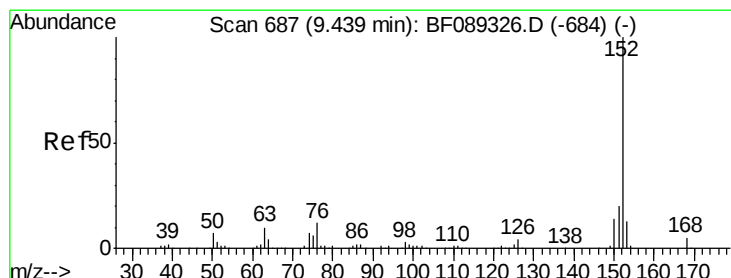
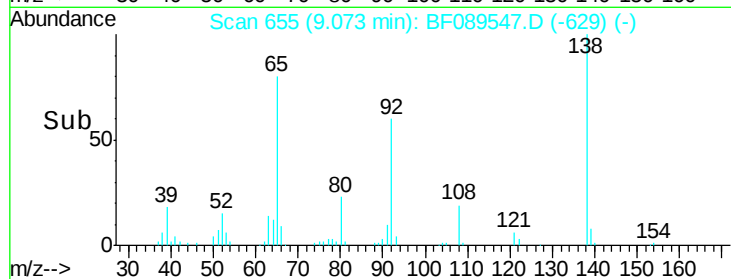
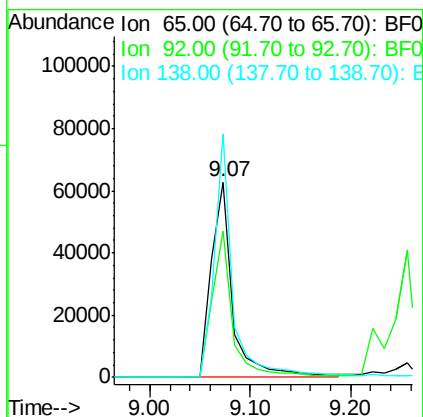
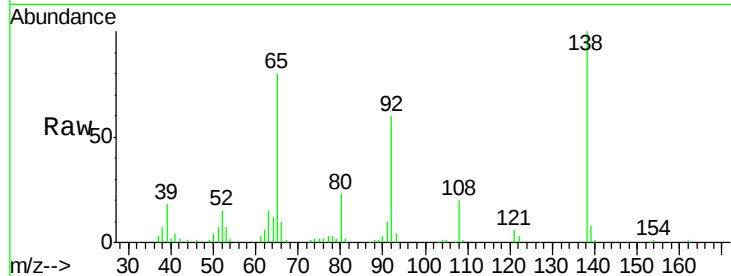




#47
2-Nitroaniline
Concen: 60.94 ng
RT: 9.07 min Scan# 655
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

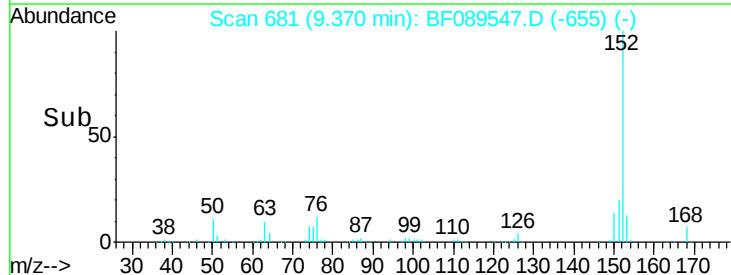
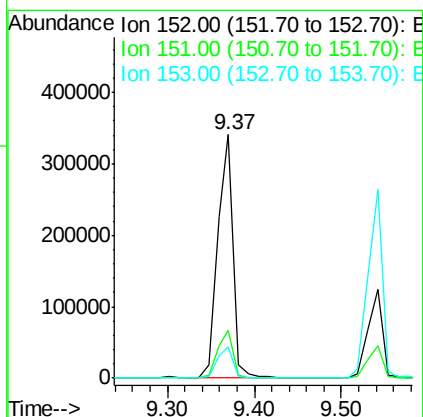
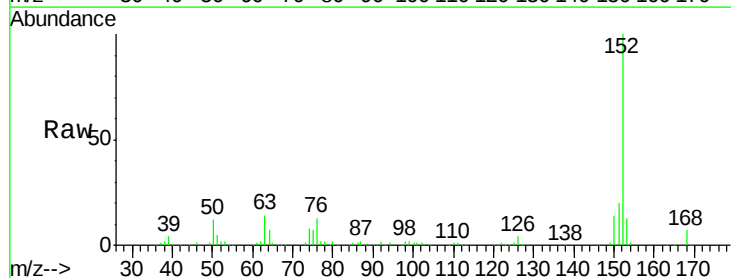
Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MSD

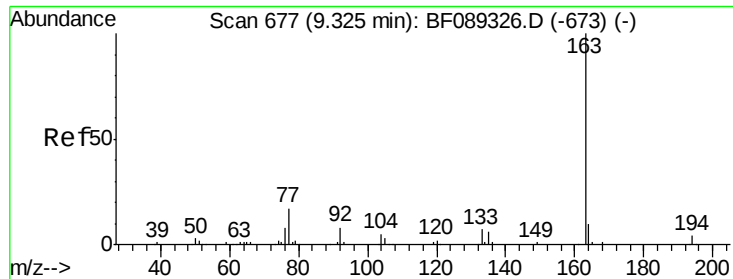
Tot Ion: 65 Resp: 92783
Ion Ratio Lower Upper
65 100
92 75.2 61.0 91.4
138 124.7 99.1 148.7



#48
Acenaphthylene
Concen: 52.68 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Tgt Ion: 152 Resp: 426592
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 12.7 10.2 15.4

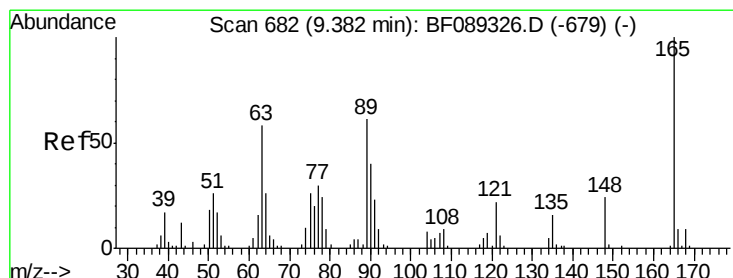
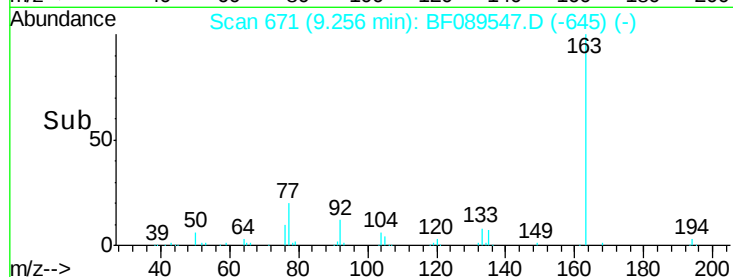
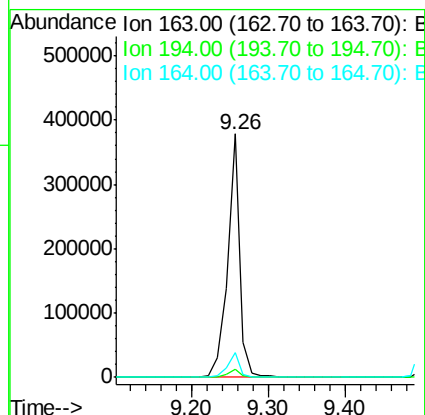
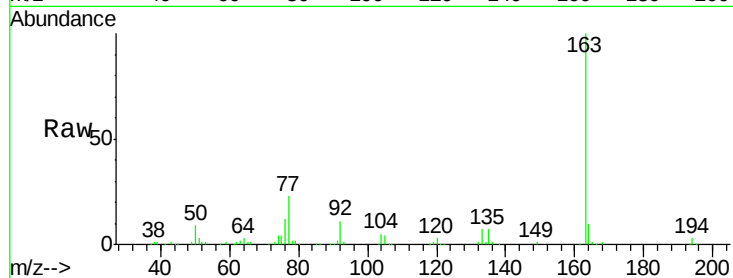




#49
Dimethylphthalate
Concen: 69.42 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

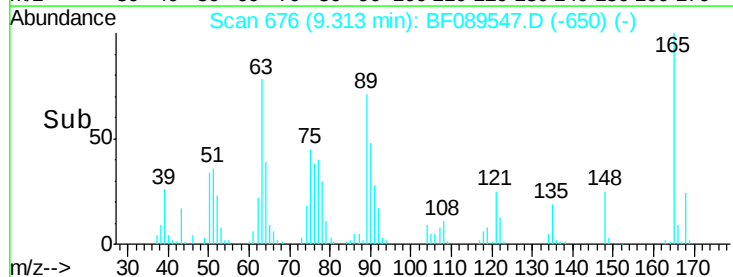
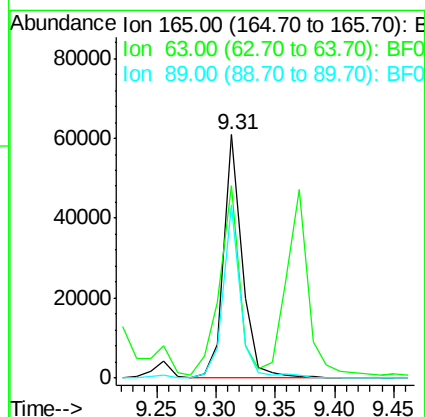
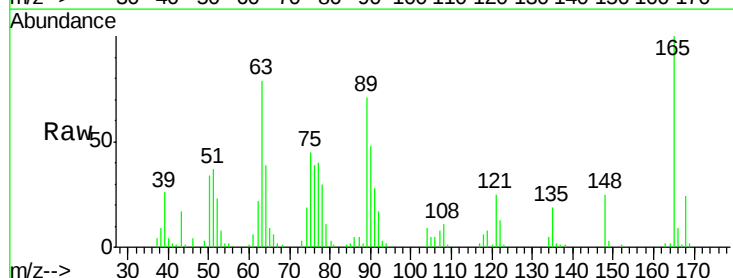
Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MSD

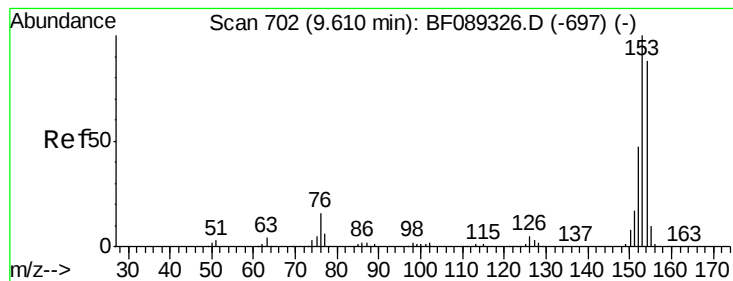
Tot Ion:163 Resp: 424743
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 10.1 7.8 11.8



#50
2,6-Dinitrotoluene
Concen: 52.42 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Tgt Ion:165 Resp: 65900
Ion Ratio Lower Upper
165 100
63 79.0 43.5 65.3#
89 71.3 45.0 67.4#





#51

Acenaphthene

Concen: 54.95 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

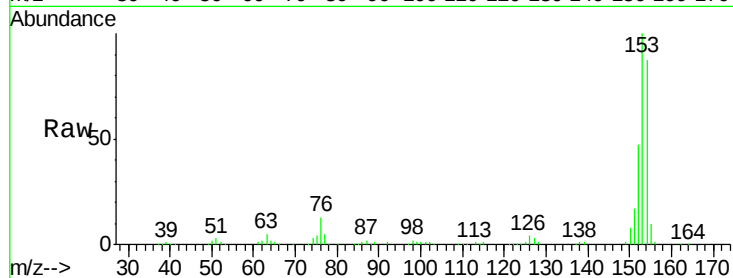
Tot Ion:154 Resp: 259840

Ion Ratio Lower Upper

154 100

153 114.8 91.4 137.2

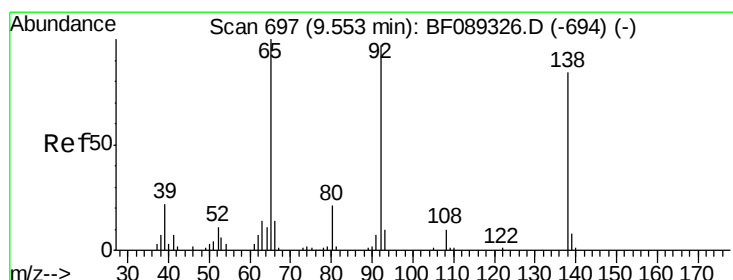
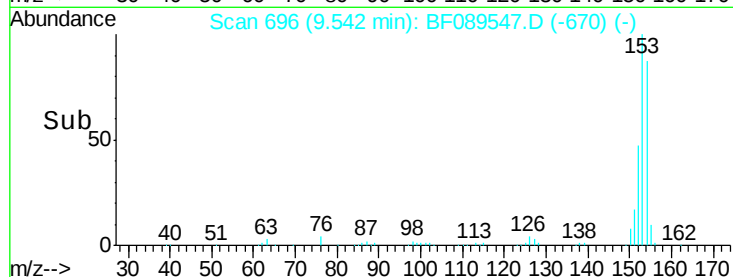
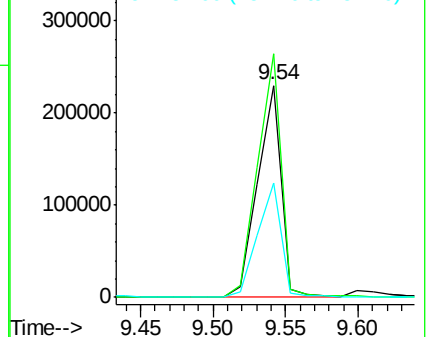
152 53.9 43.8 65.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 48.81 ng

RT: 9.48 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

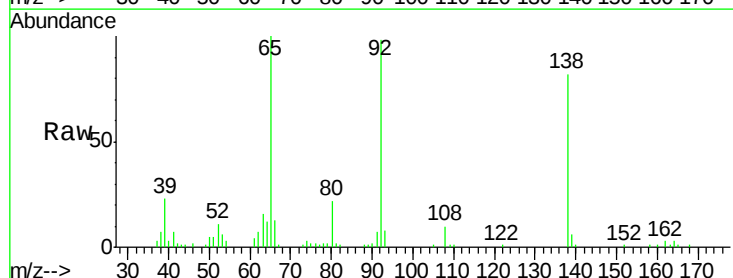
Tgt Ion:138 Resp: 64765

Ion Ratio Lower Upper

138 100

108 11.6 8.6 13.0

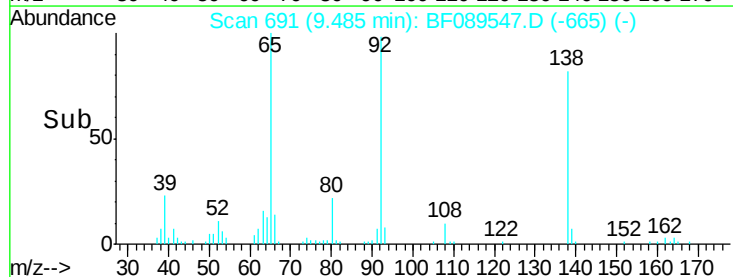
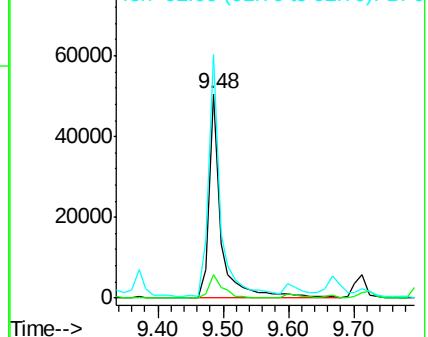
92 119.3 90.0 135.0

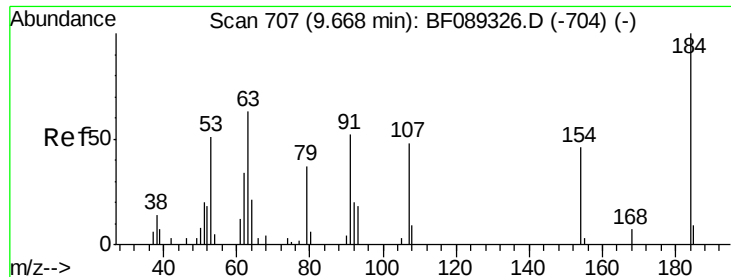


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

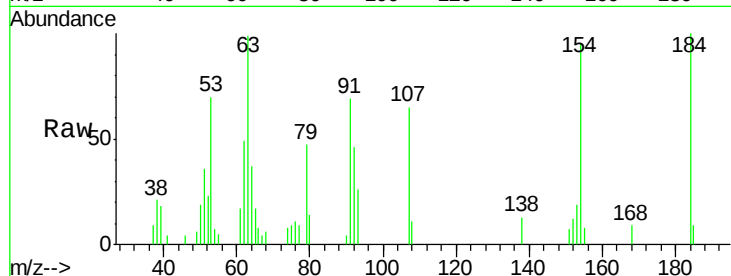




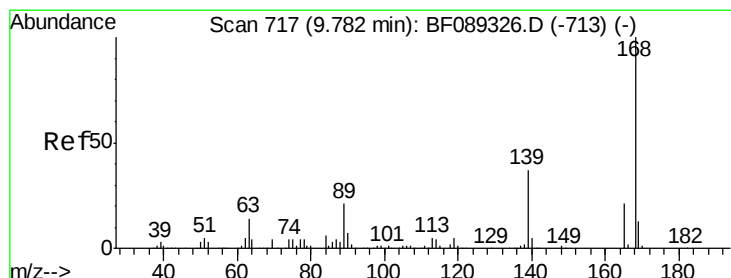
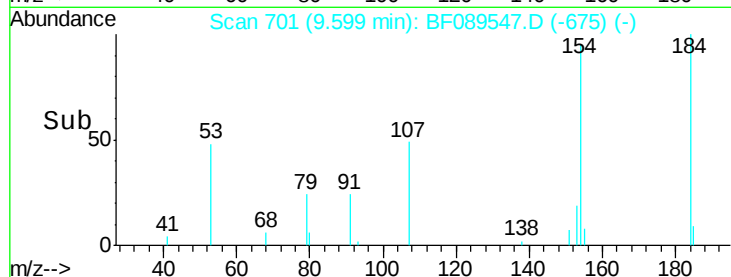
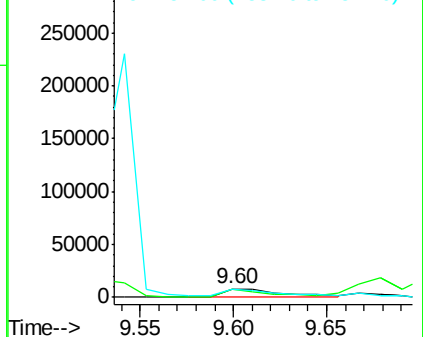
#53
2,4-Dinitrophenol
Concen: 43.48 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MSD

Tot Ion:184 Resp: 18701
Ion Ratio Lower Upper
184 100
63 99.2 60.6 90.8#
154 95.0 69.8 104.8

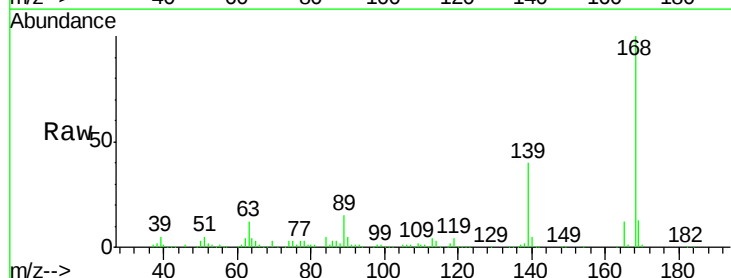


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

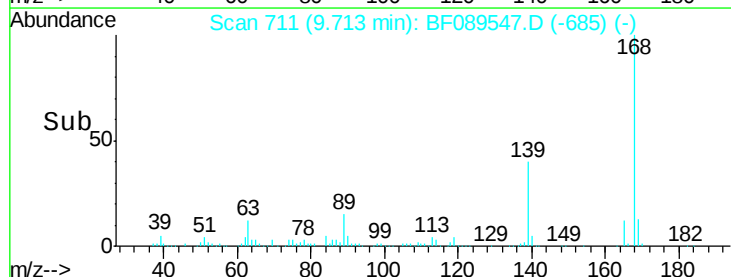
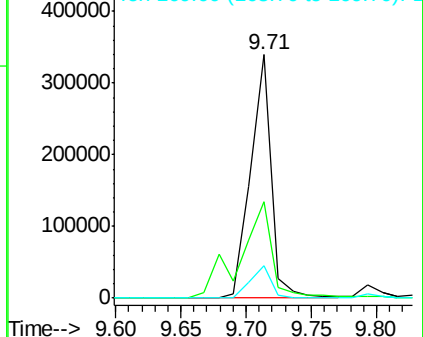


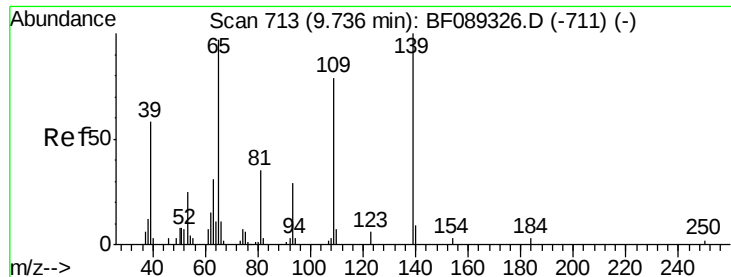
#54
Dibenzofuran
Concen: 58.38 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Tgt Ion:168 Resp: 376170
Ion Ratio Lower Upper
168 100
139 39.6 33.7 50.5
169 13.1 10.7 16.1



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

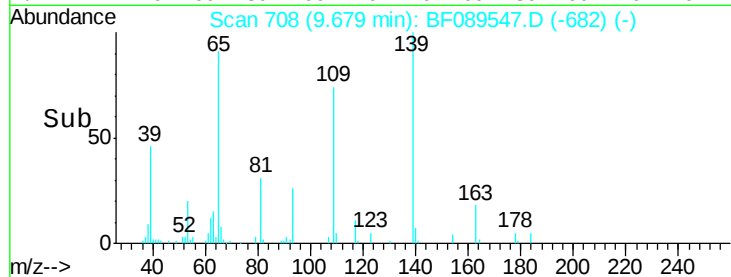
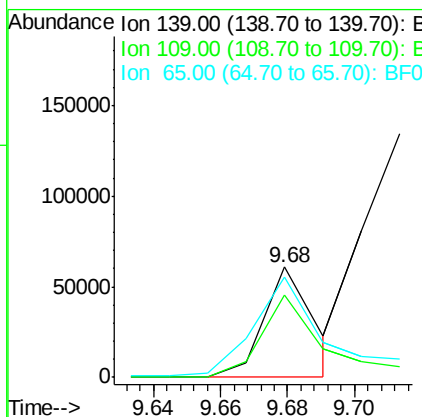
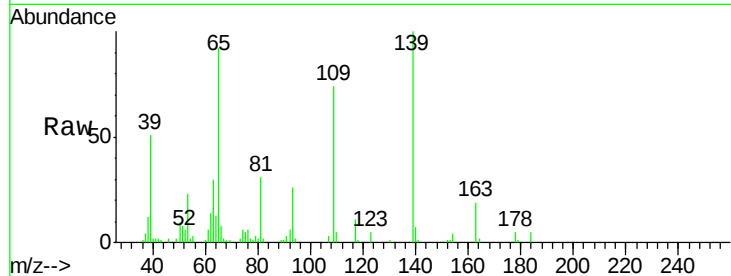




#55
4-Nitrophenol
Concen: 95.77 ng/mL
RT: 9.68 min Scan# 708
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

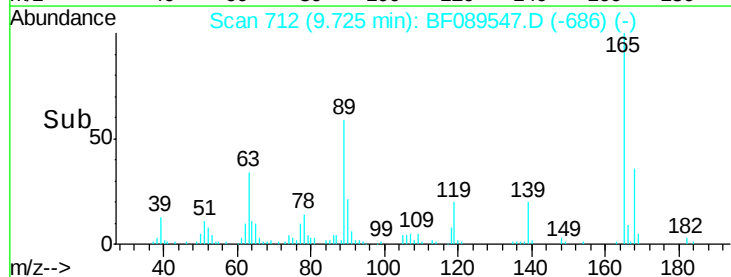
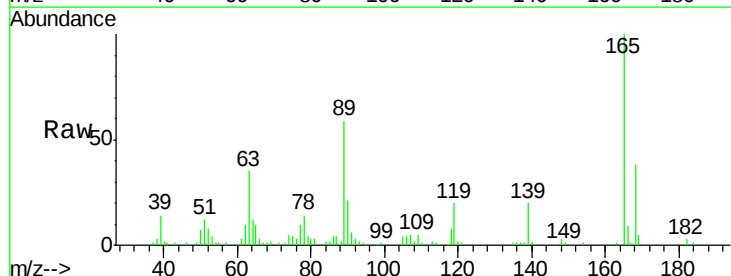
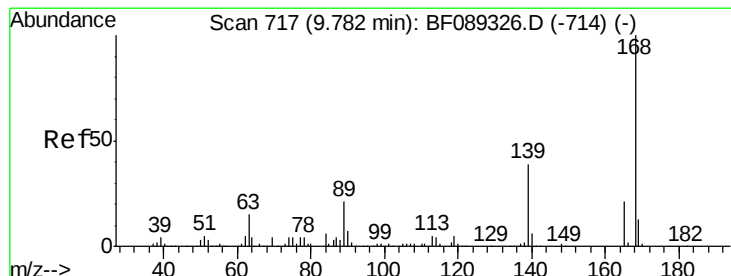
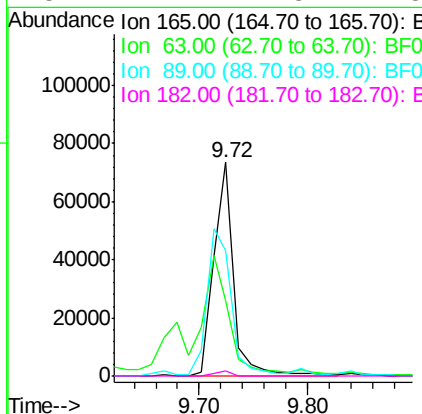
Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MSD

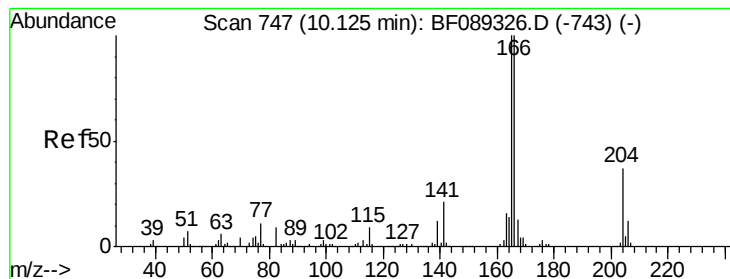
Tot Ion:139 Resp: 62737
Ion Ratio Lower Upper
139 100
109 74.4 57.8 97.8
65 91.5 81.7 121.7



#56
2,4-Dinitrotoluene
Concen: 56.83 ng/mL
RT: 9.72 min Scan# 712
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Tgt Ion:165 Resp: 94055
Ion Ratio Lower Upper
165 100
63 35.1 58.2 87.2#
89 58.9 79.1 118.7#
182 2.7 1.8 2.8





#57

Fluorene

Concen: 49.01 ng

RT: 10.04 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

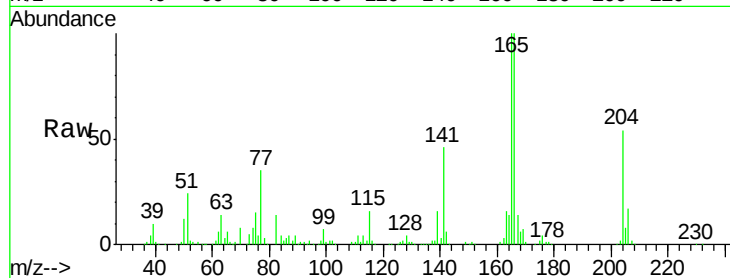
Tot Ion:166 Resp: 275667

Ion Ratio Lower Upper

166 100

165 99.6 79.0 118.4

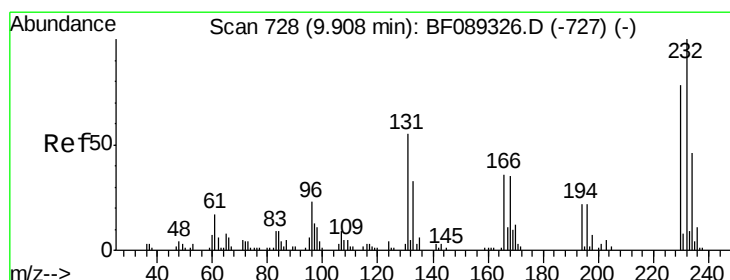
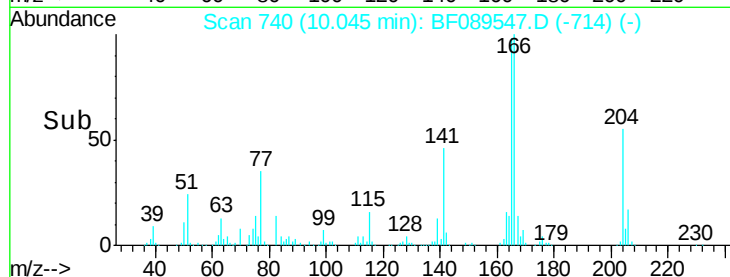
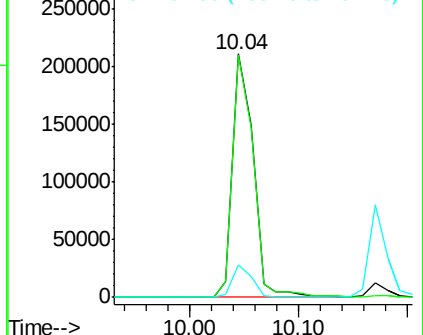
167 13.6 10.2 15.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 62.73 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Tgt Ion:232 Resp: 70959

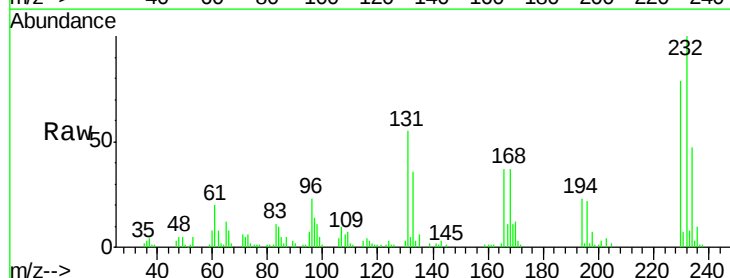
Ion Ratio Lower Upper

232 100

131 53.4 42.7 64.1

130 2.5 1.7 2.5#

166 33.8 25.7 38.5

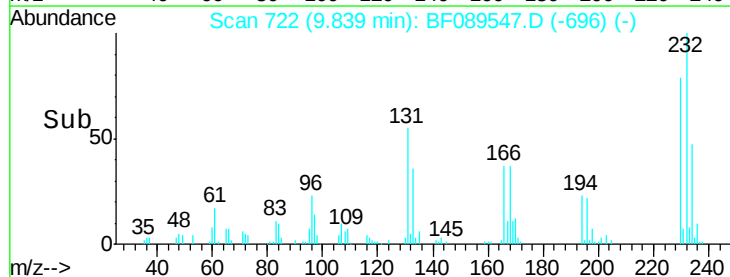
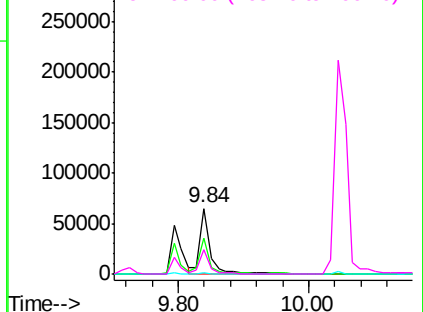


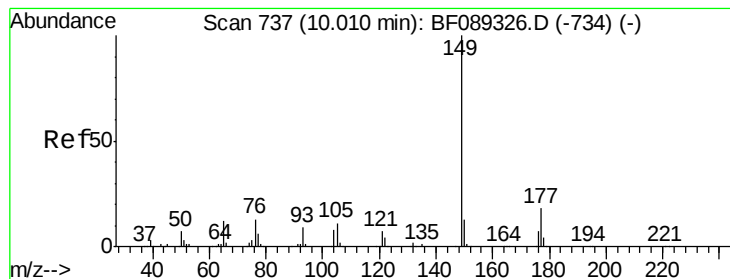
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 54.25 ng

RT: 9.95 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

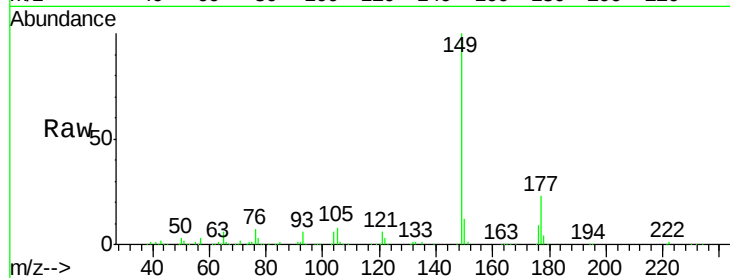
Tot Ion:149 Resp: 336538

Ion Ratio Lower Upper

149 100

177 22.5 15.1 22.7

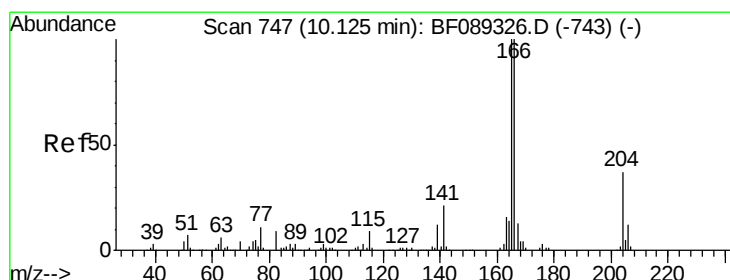
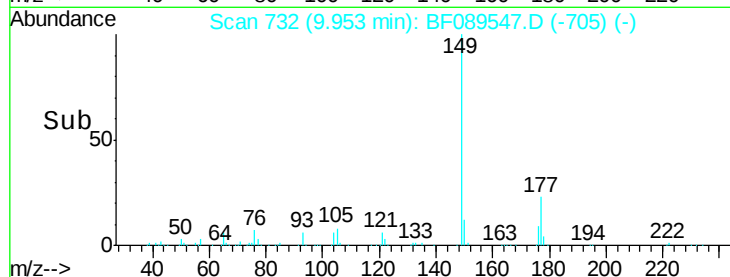
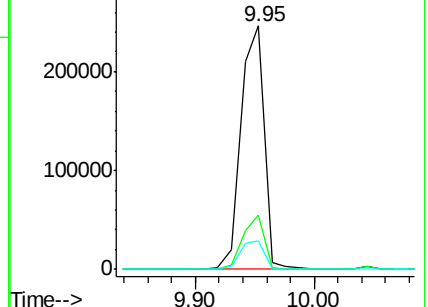
150 11.8 10.2 15.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 46.89 ng

RT: 10.04 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

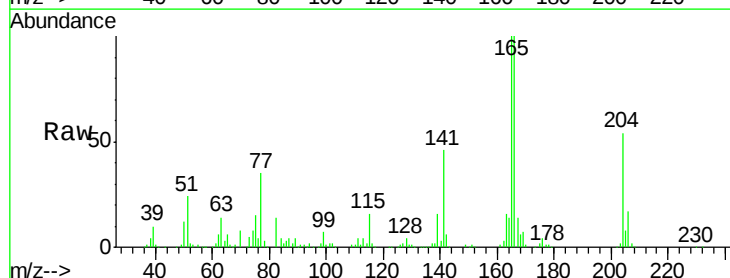
Tgt Ion:204 Resp: 120969

Ion Ratio Lower Upper

204 100

206 31.2 26.6 39.8

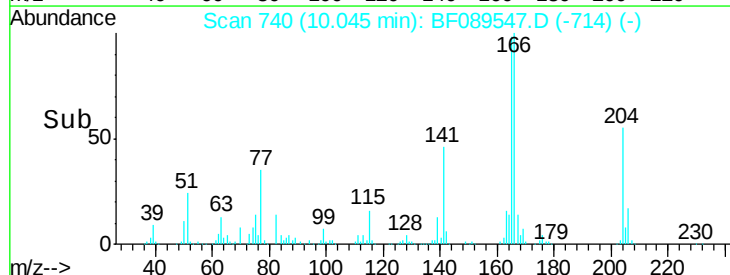
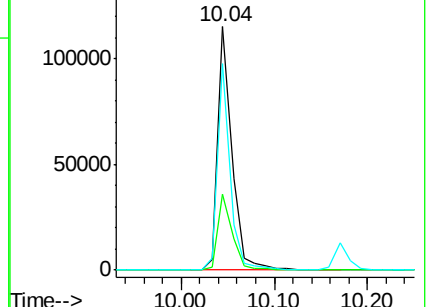
141 84.7 46.6 70.0#

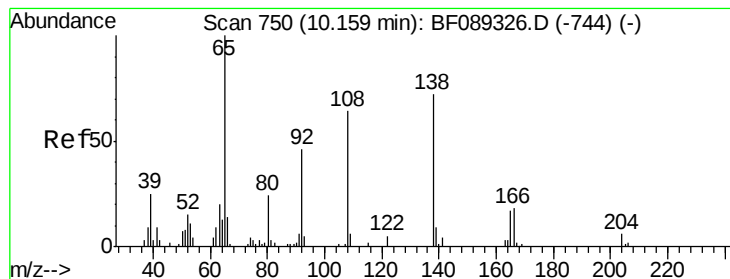


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 48.39 ng

RT: 10.10 min Scan# 745

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

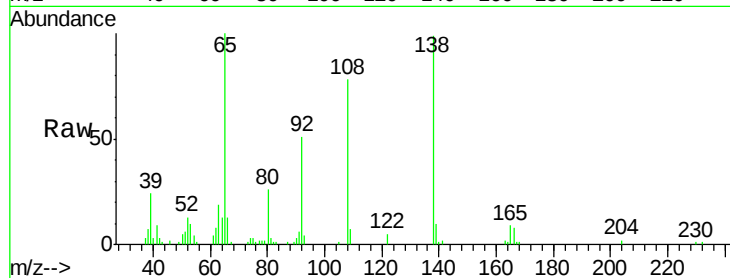
Tot Ion:138 Resp: 66174

Ion Ratio Lower Upper

138 100

92 51.2 41.2 81.2

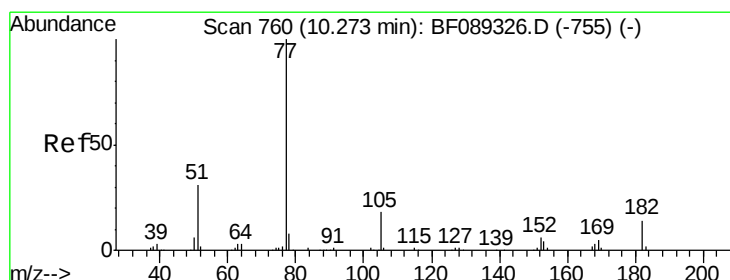
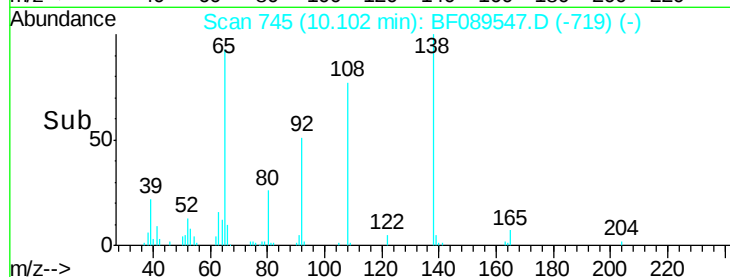
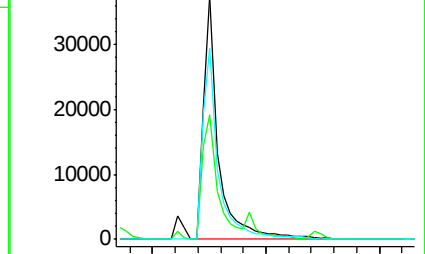
108 78.7 69.6 109.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 54.18 ng

RT: 10.20 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Tgt Ion: 77 Resp: 346122

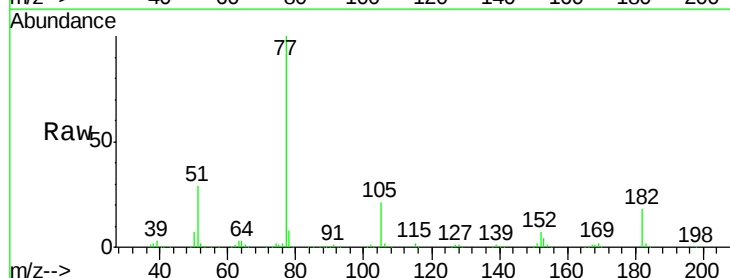
Ion Ratio Lower Upper

77 100

182 17.8 0.0 33.8

105 20.7 0.0 39.8

51 29.3 11.0 51.0

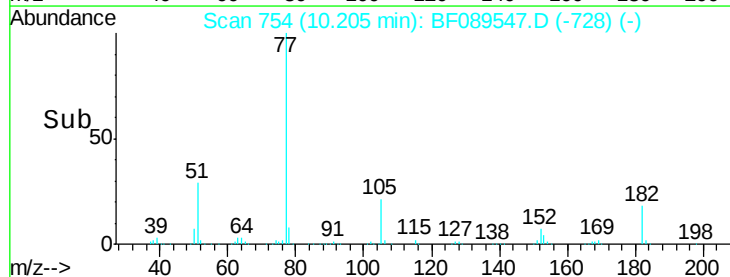
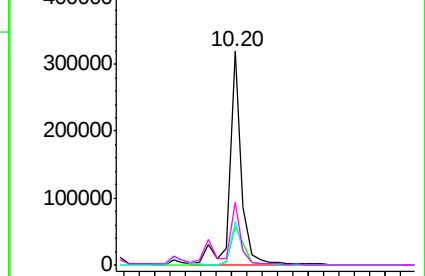


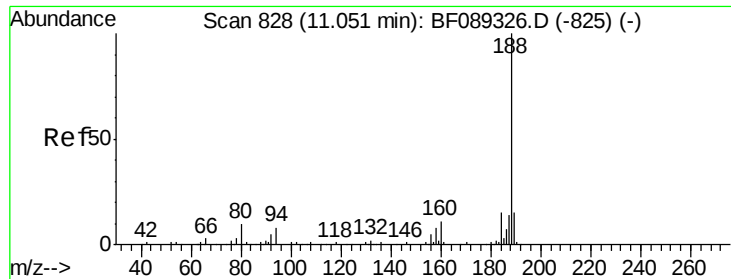
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

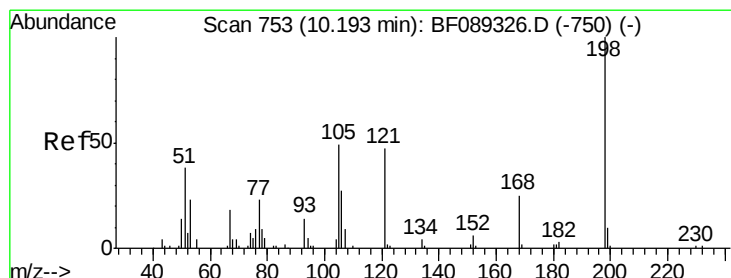
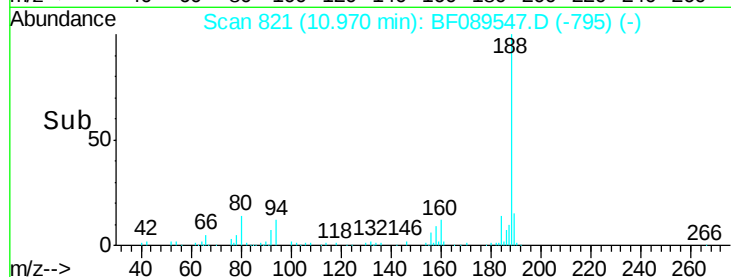
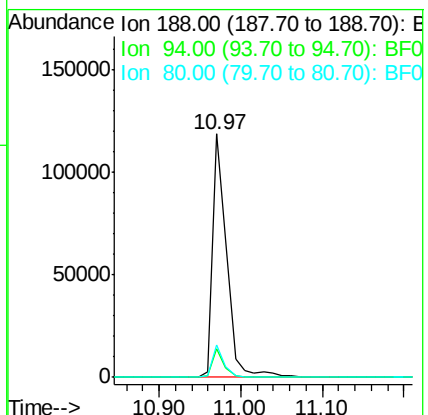
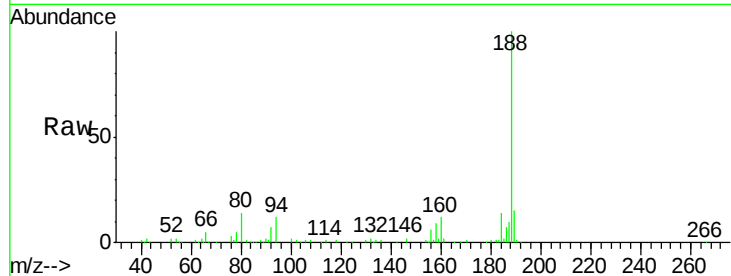




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.97 min Scan# 821
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

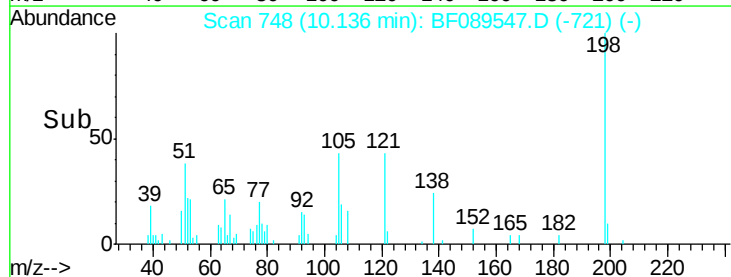
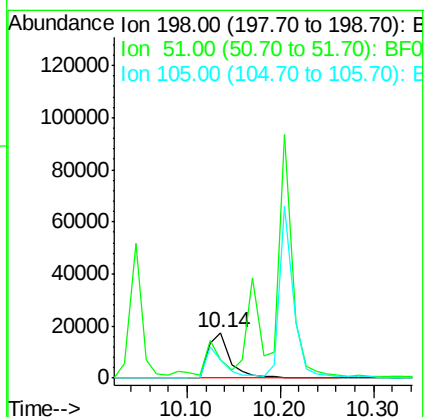
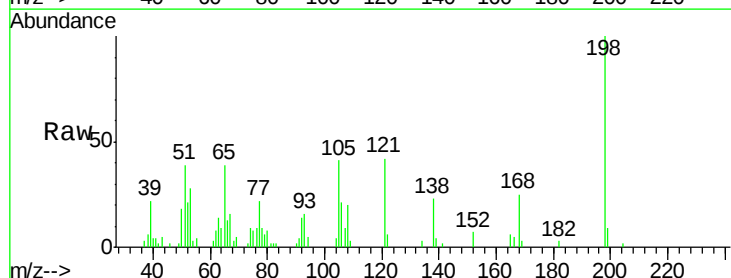
Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MSD

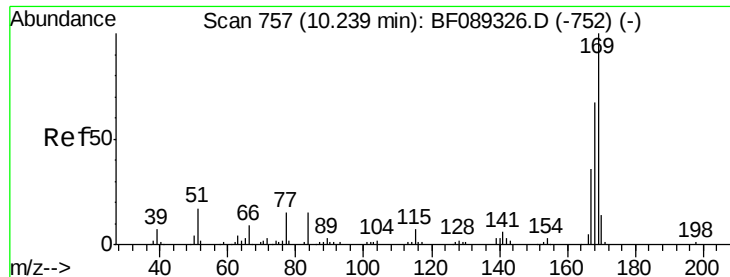
Tot Ion:188 Resp: 143855
Ion Ratio Lower Upper
188 100
94 11.5 6.5 9.7#
80 13.6 7.2 10.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 34.69 ng
RT: 10.14 min Scan# 748
Delta R.T. 0.01 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Tgt Ion:198 Resp: 28975
Ion Ratio Lower Upper
198 100
51 38.8 23.0 63.0
105 41.4 28.3 68.3





#65

n-Nitrosodiphenylamine

Concen: 55.31 ng

RT: 10.17 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

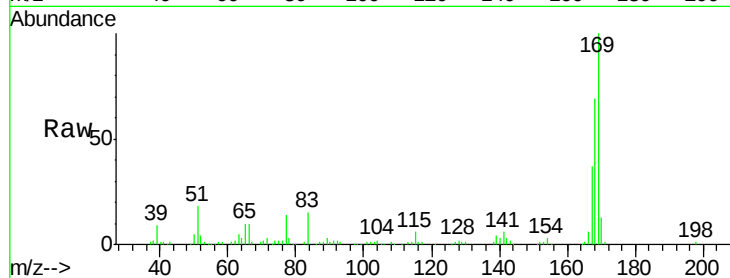
Tot Ion:169 Resp: 248276

Ion Ratio Lower Upper

169 100

168 68.8 55.4 83.0

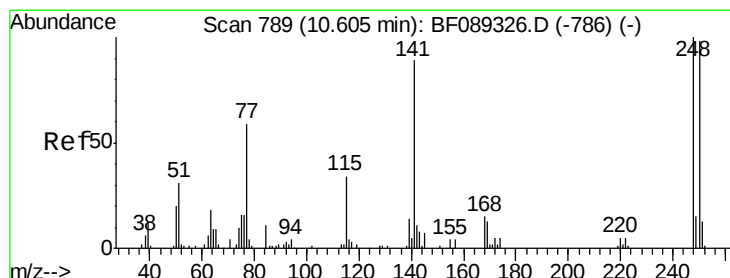
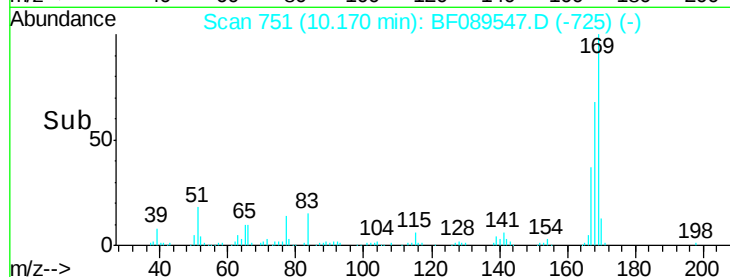
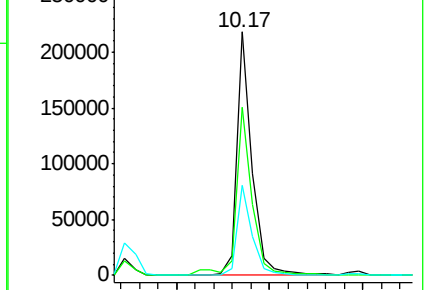
167 36.9 29.7 44.5



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 51.19 ng

RT: 10.54 min Scan# 783

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

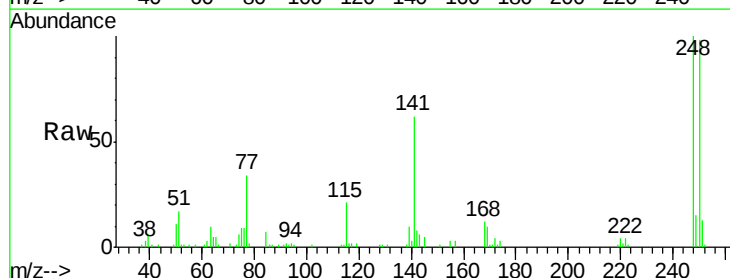
Tgt Ion:248 Resp: 70303

Ion Ratio Lower Upper

248 100

250 98.5 78.2 117.2

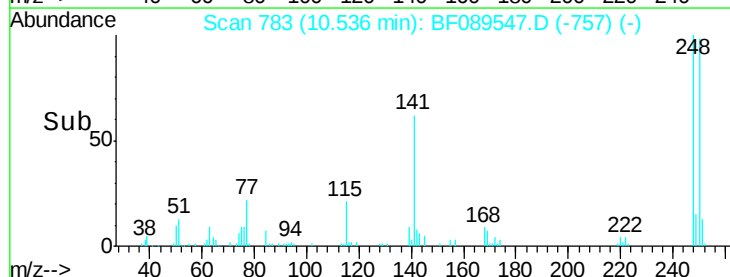
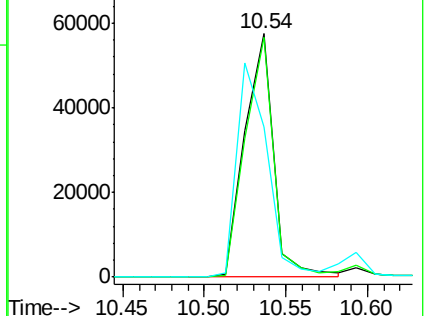
141 61.6 62.0 93.0#

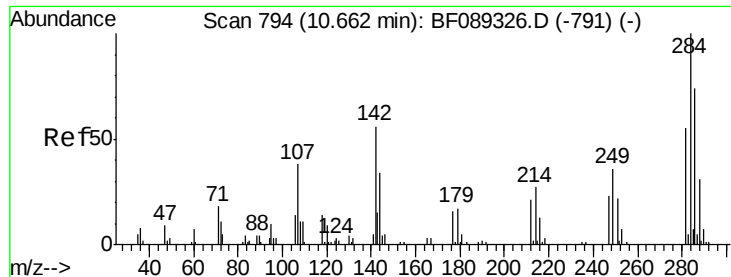


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

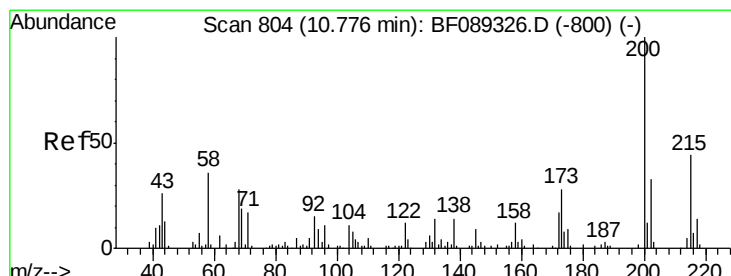
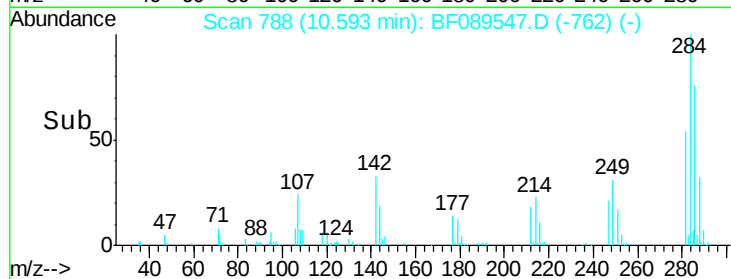
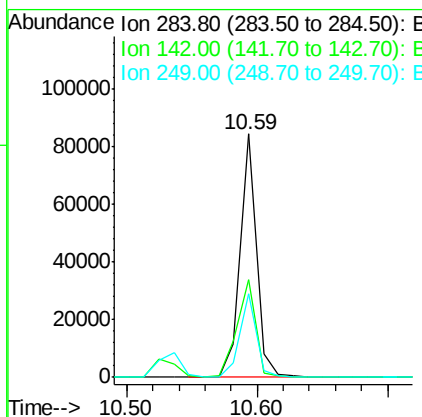
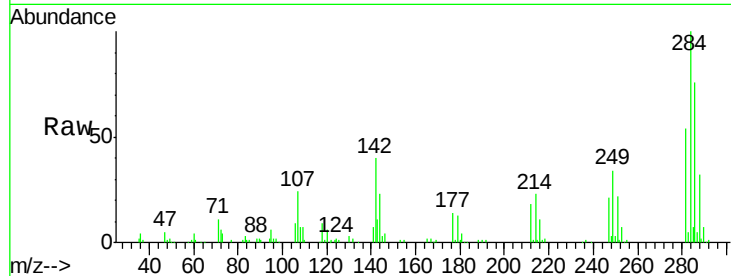




#67
Hexachlorobenzene
Concen: 51.84 ng
RT: 10.59 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

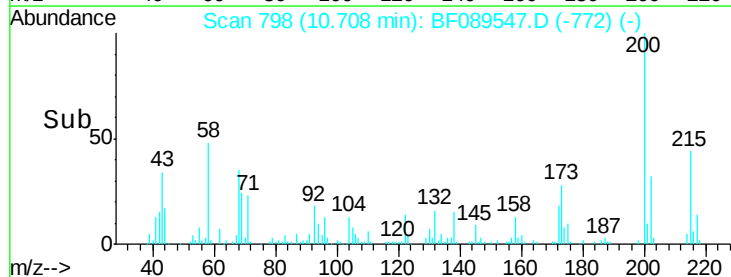
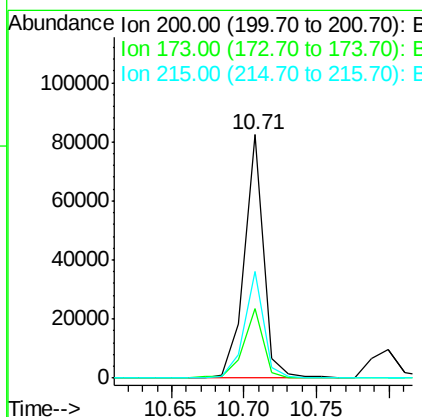
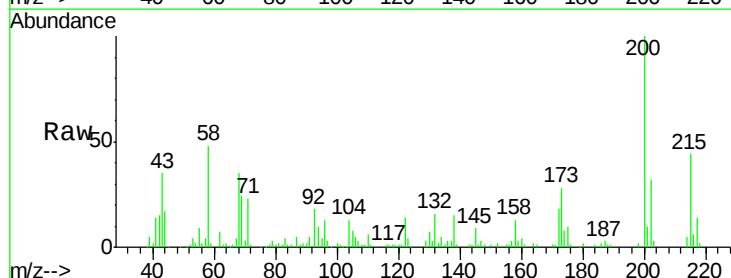
Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MSD

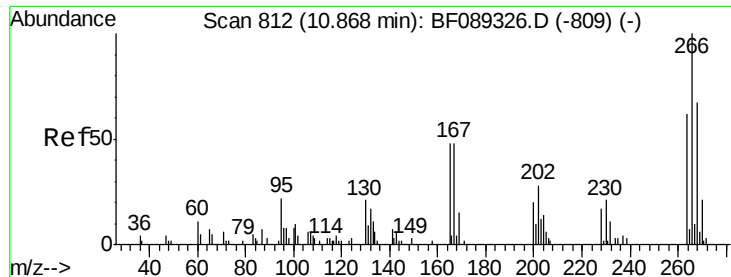
Tot Ion	Ratio	Lower	Upper
284	100		
142	39.9	42.2	63.4
249	34.1	29.4	44.0



#68
Atrazine
Concen: 55.16 ng
RT: 10.71 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.3	6.0	46.0
215	43.7	24.3	64.3

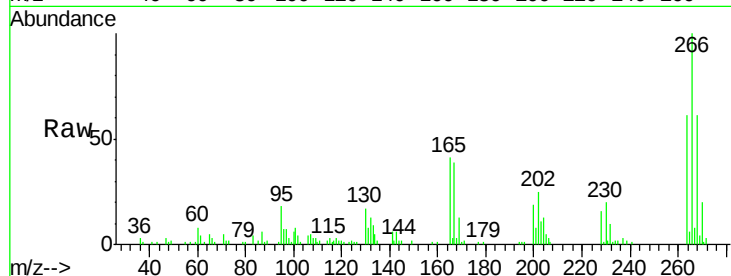




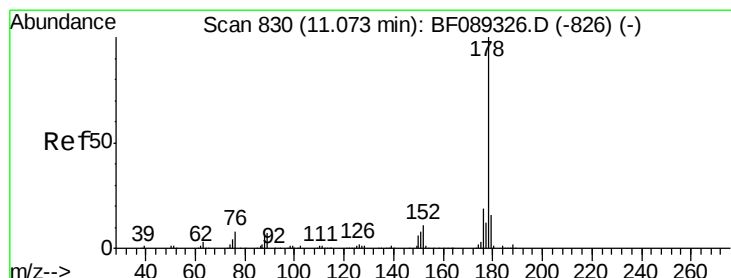
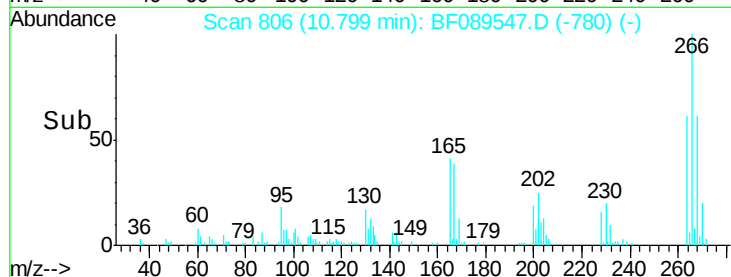
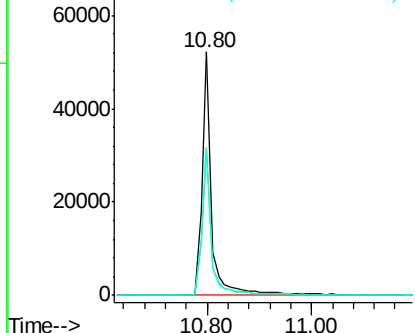
#69
 Pentachlorophenol
 Concen: 96.45 ng
 RT: 10.80 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MSD

Tot Ion:266 Resp: 66687
 Ion Ratio Lower Upper
 266 100
 268 60.9 49.4 74.2
 264 60.6 50.2 75.2

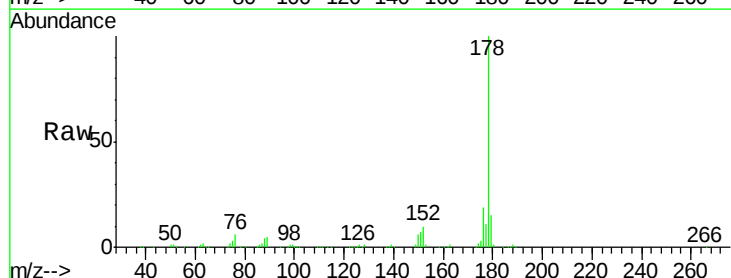


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

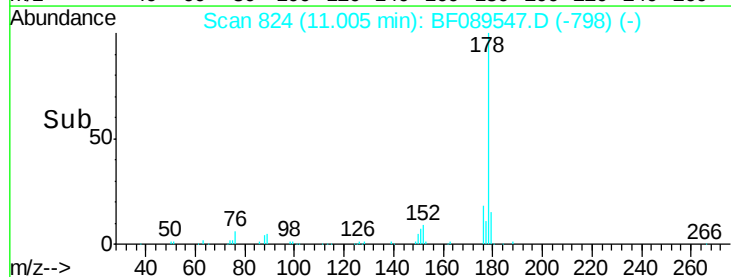
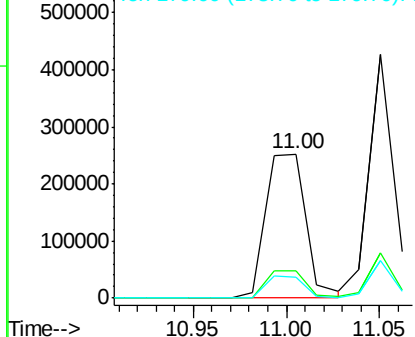


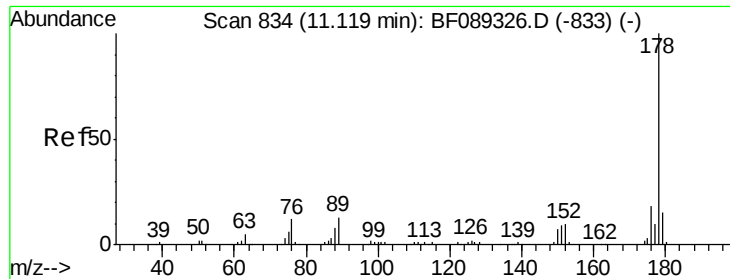
#70
 Phenanthrene
 Concen: 50.58 ng
 RT: 11.00 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Tgt Ion:178 Resp: 375264
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.5 23.3
 179 14.7 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

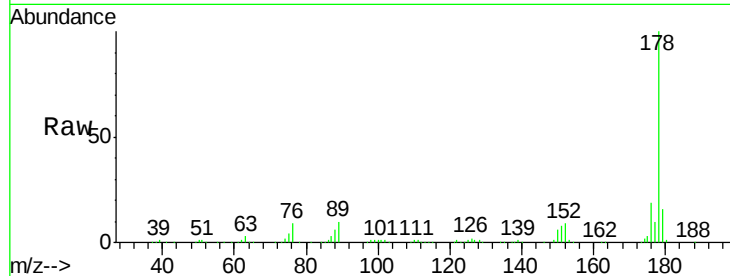




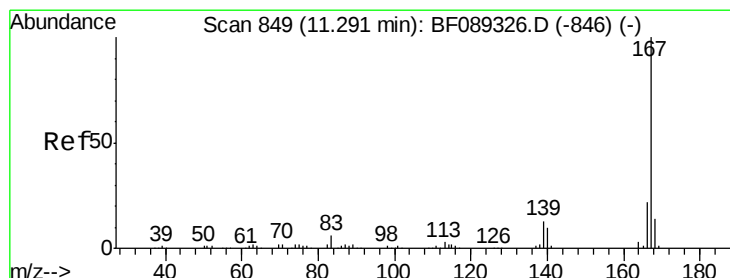
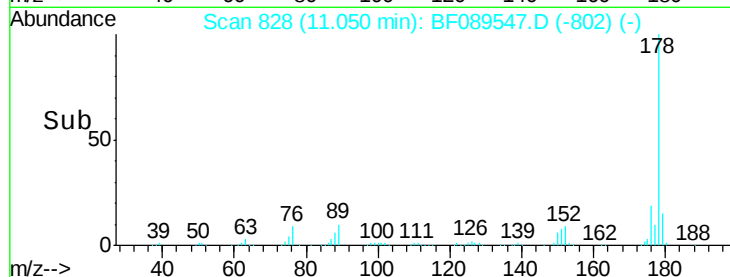
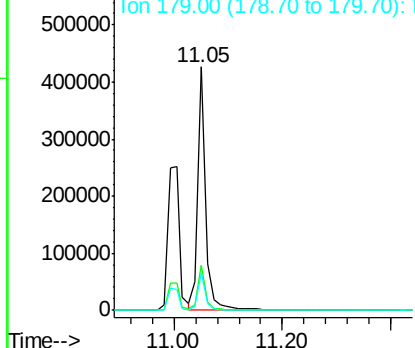
#71
 Anthracene
 Concen: 51.09 ng
 RT: 11.05 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MSD

Tot Ion:178 Resp: 421421
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.8 22.2
 179 15.6 12.6 18.8

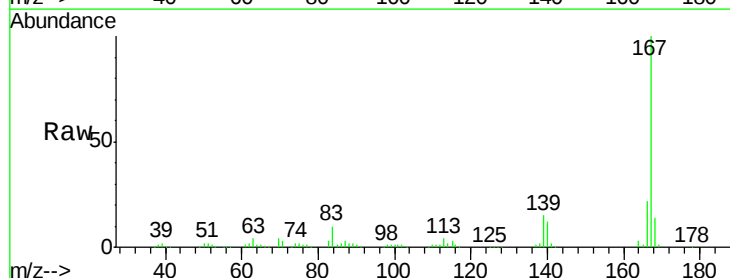


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

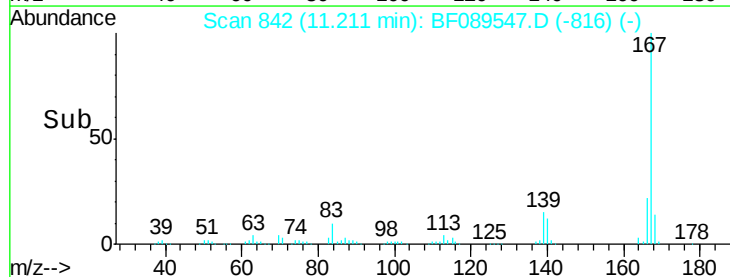
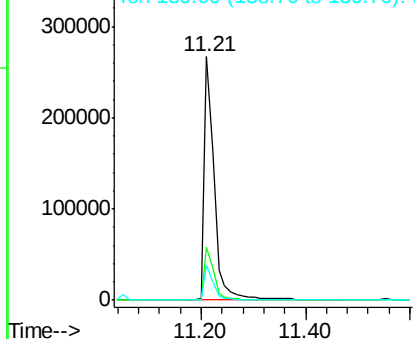


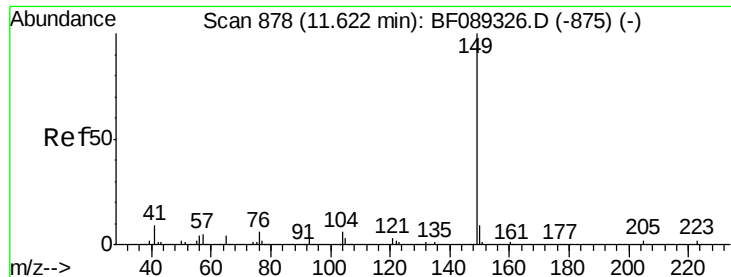
#72
 Carbazole
 Concen: 51.83 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Tgt Ion:167 Resp: 359876
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.6 26.4
 139 14.5 10.1 15.1



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 47.77 ng

RT: 11.55 min Scan# 872

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

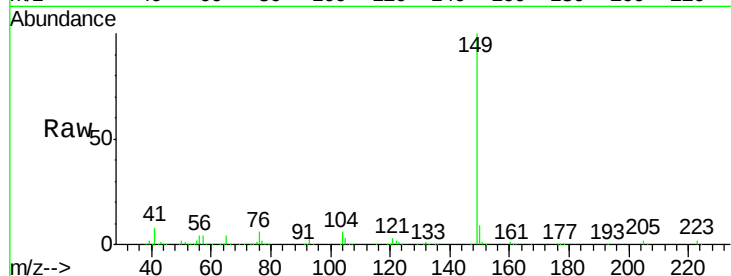
Tot Ion:149 Resp: 445037

Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

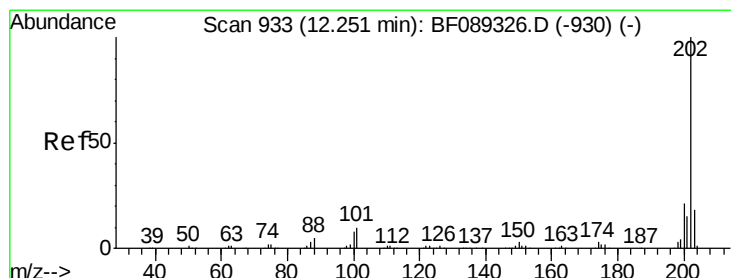
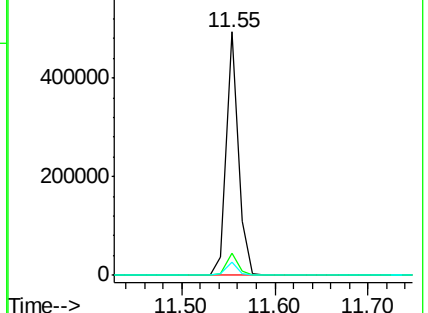
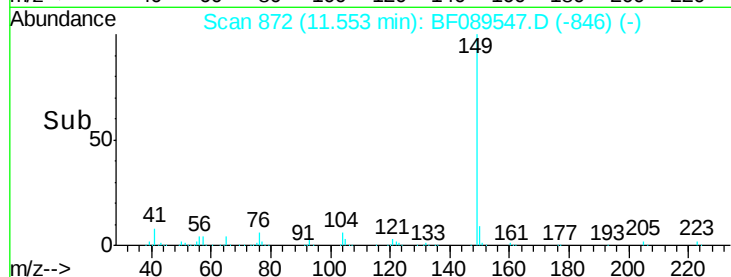
104 5.5 4.7 7.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 45.41 ng

RT: 12.17 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

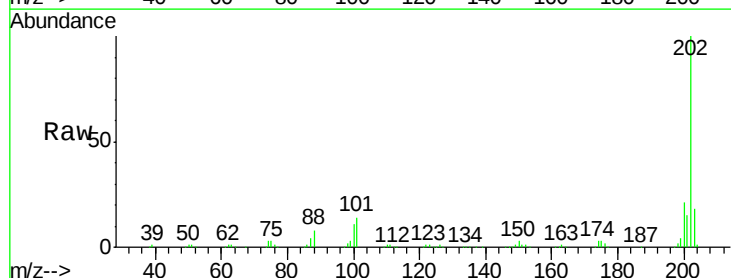
Tgt Ion:202 Resp: 354402

Ion Ratio Lower Upper

202 100

101 14.2 0.0 29.9

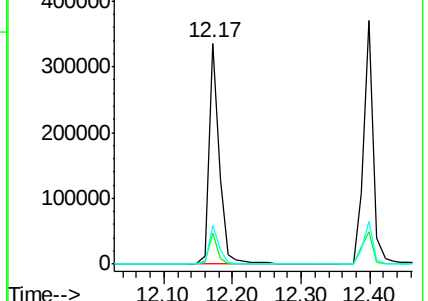
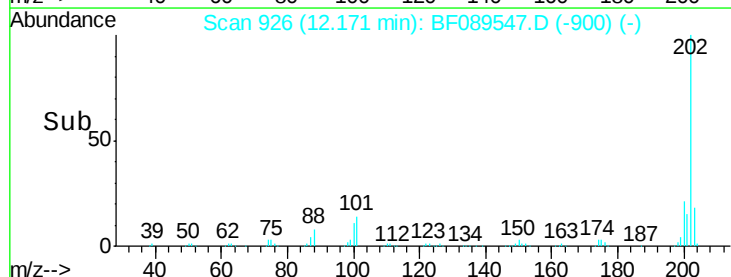
203 17.5 0.0 37.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.59 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

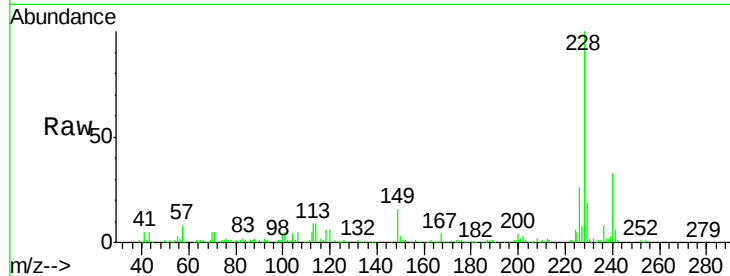
Tot Ion:240 Resp: 89313

Ion Ratio Lower Upper

240 100

120 18.3 9.1 13.7#

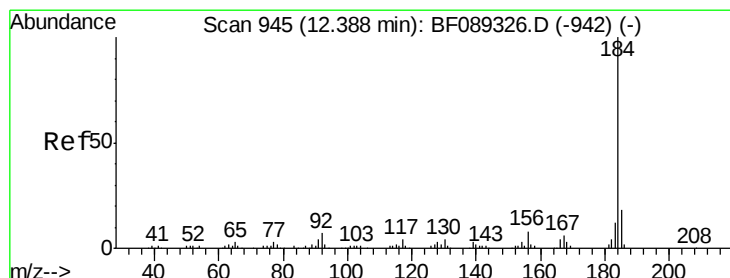
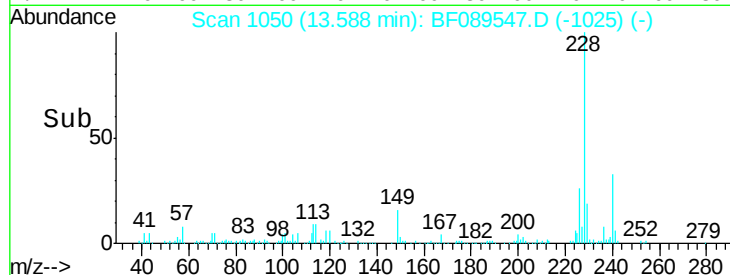
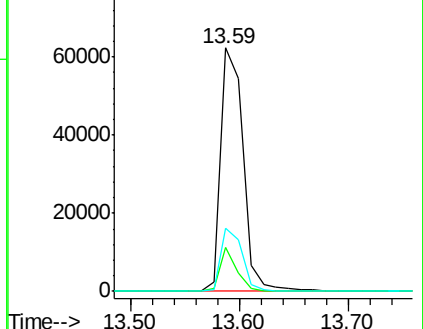
236 25.8 20.6 30.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 60.25 ng

RT: 12.32 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

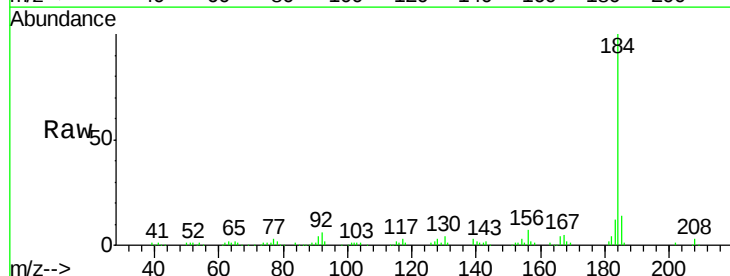
Tgt Ion:184 Resp: 198816

Ion Ratio Lower Upper

184 100

185 13.5 13.5 20.3

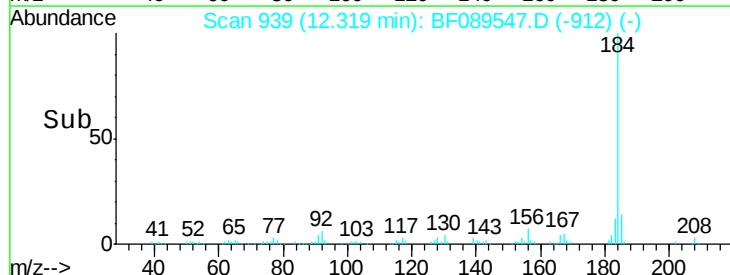
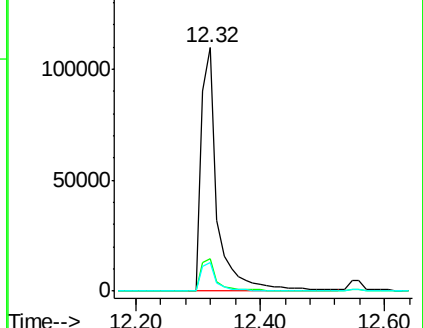
183 11.8 9.8 14.6

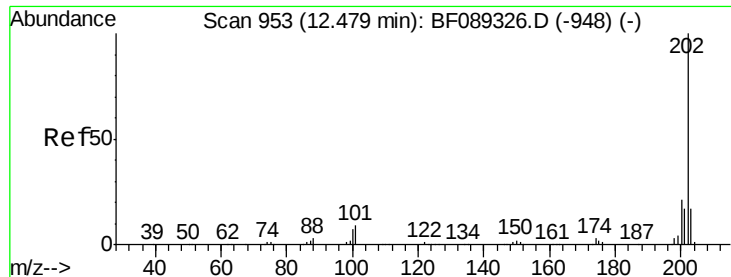


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

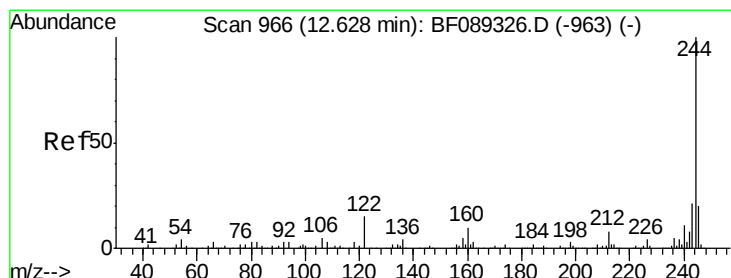
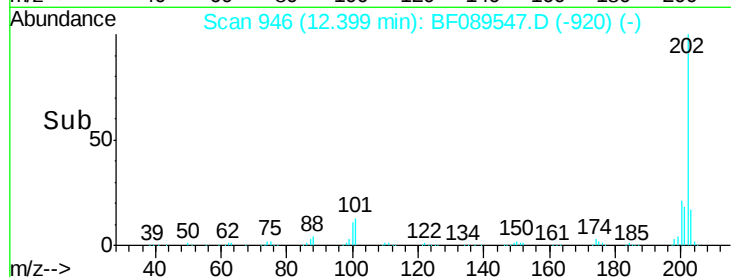
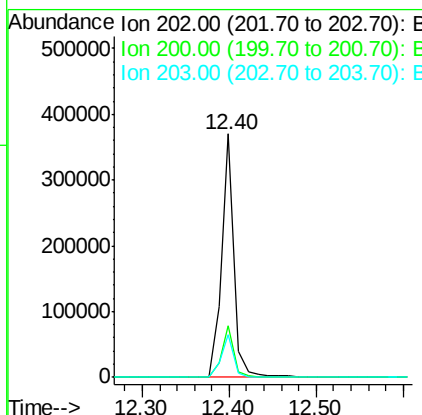
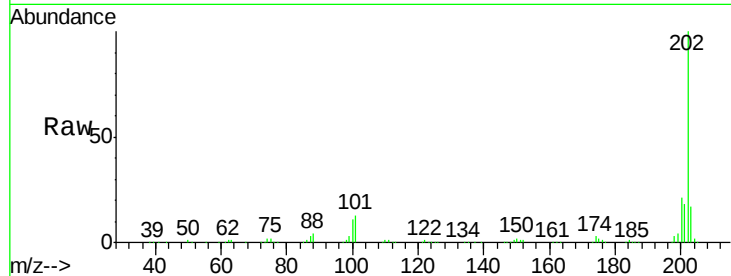




#77
Pvrene
Concen: 54.45 ng
RT: 12.40 min Scan# 946
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

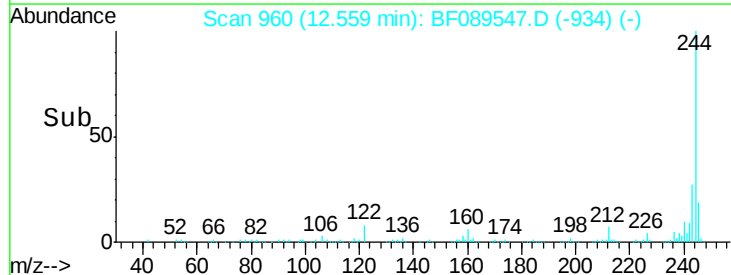
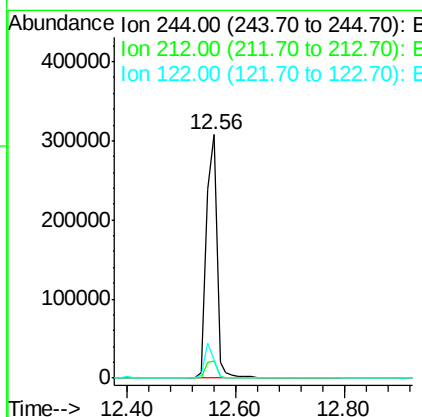
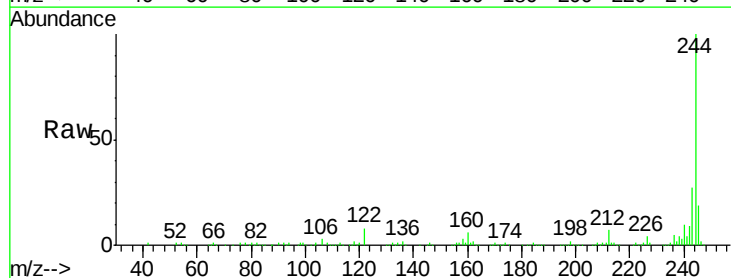
Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MSD

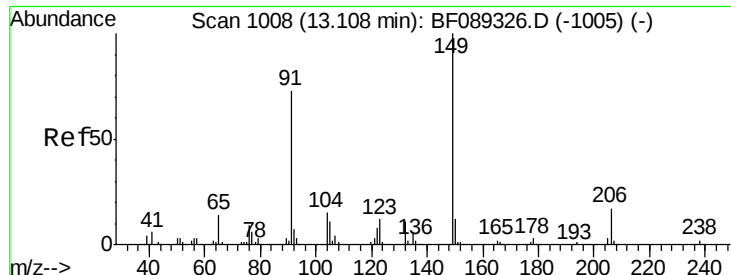
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.3	14.0	21.0



#78
Terphenyl-d14
Concen: 107.25 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.5	9.7
122	7.8	11.4	17.0

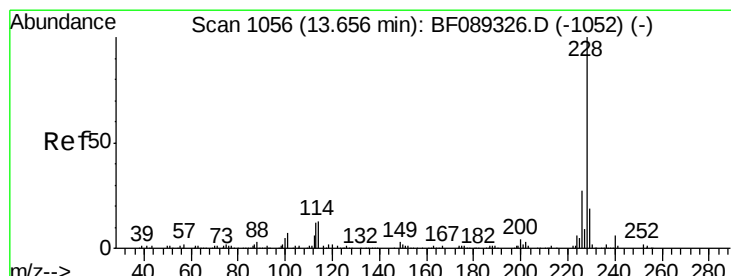
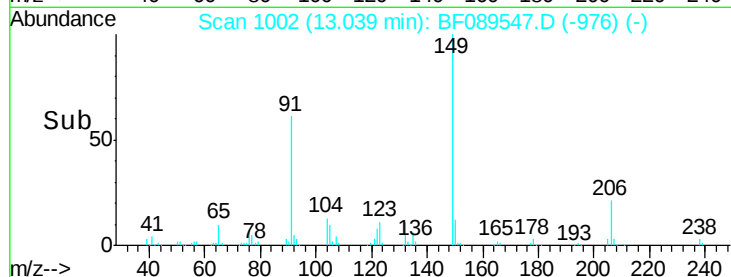
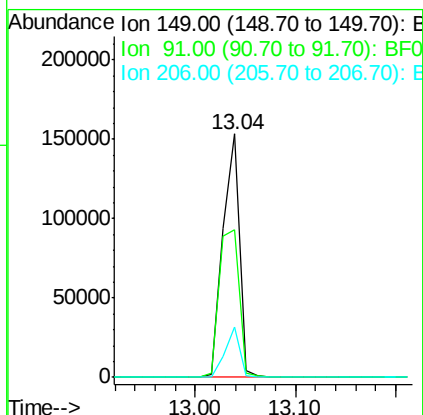
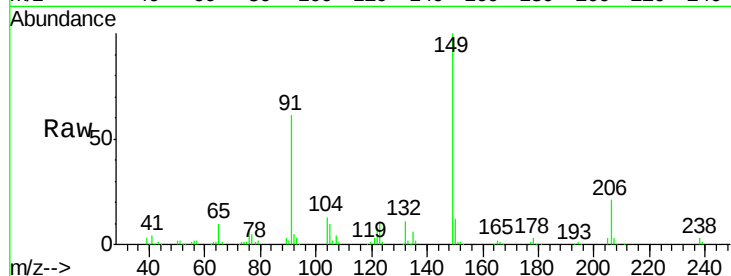




#79
Butylbenzylphthalate
Concen: 57.23 ng
RT: 13.04 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

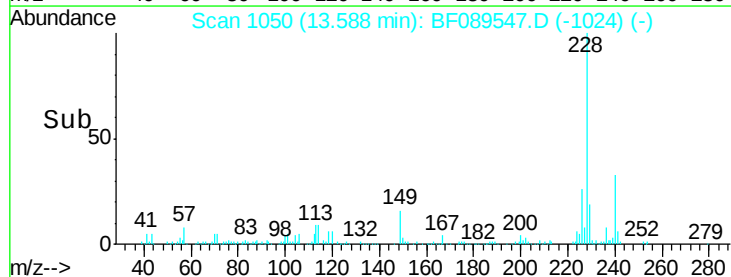
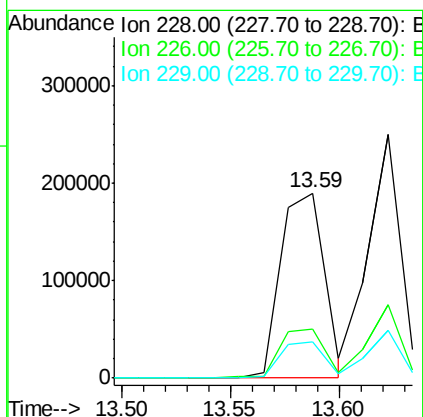
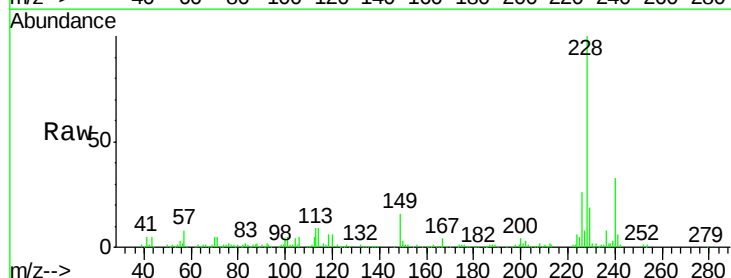
Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MSD

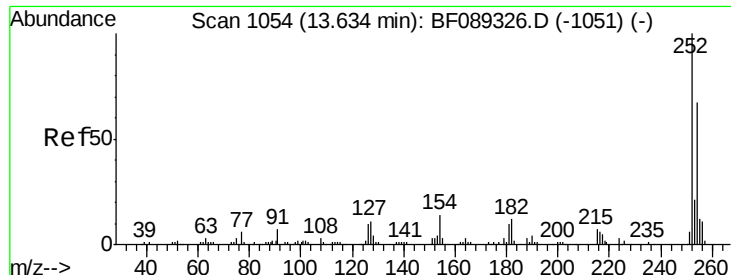
Tot Ion:149 Resp: 176123
Ion Ratio Lower Upper
149 100
91 60.9 58.5 87.7
206 20.6 13.8 20.8



#80
Benzo(a)anthracene
Concen: 53.18 ng
RT: 13.59 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Tgt Ion:228 Resp: 268016
Ion Ratio Lower Upper
228 100
226 26.4 21.4 32.2
229 19.3 15.9 23.9

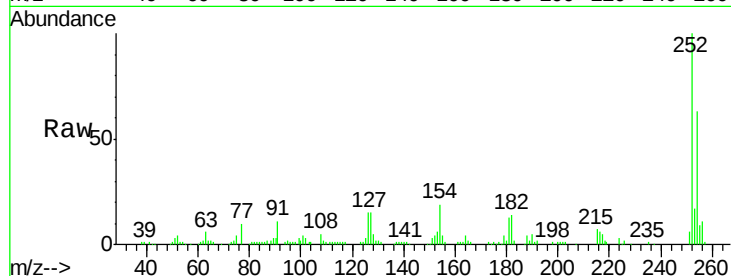




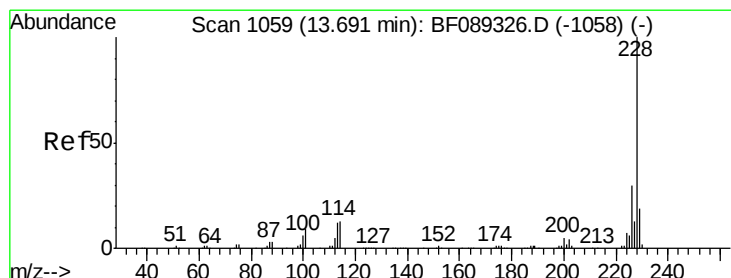
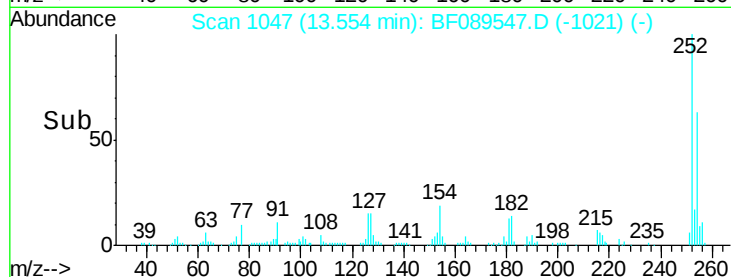
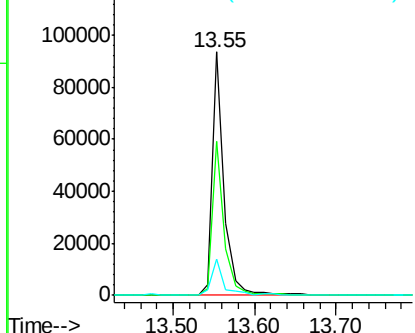
#81
 3,3'-Dichlorobenzidine
 Concen: 52.23 ng
 RT: 13.55 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MSD

Tot Ion:252 Resp: 94726
 Ion Ratio Lower Upper
 252 100
 254 63.3 52.5 78.7
 126 15.0 7.4 11.2#

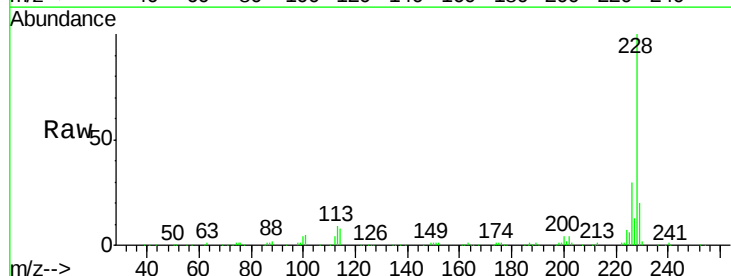


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

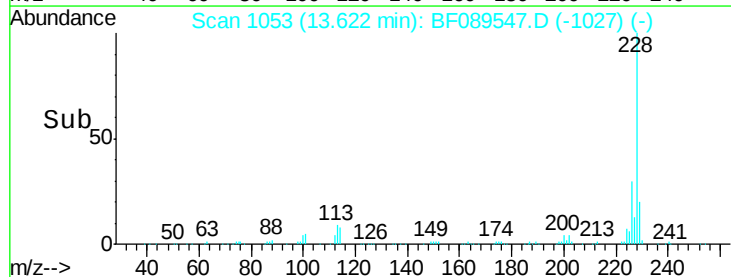
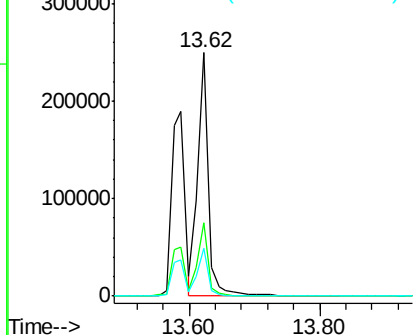


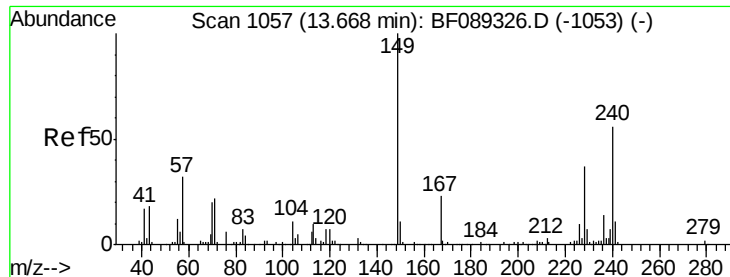
#82
 Chrysene
 Concen: 51.82 ng
 RT: 13.62 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Tgt Ion:228 Resp: 278030
 Ion Ratio Lower Upper
 228 100
 226 30.3 24.2 36.2
 229 19.7 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

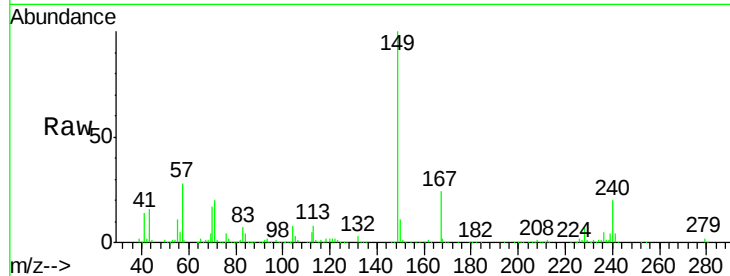




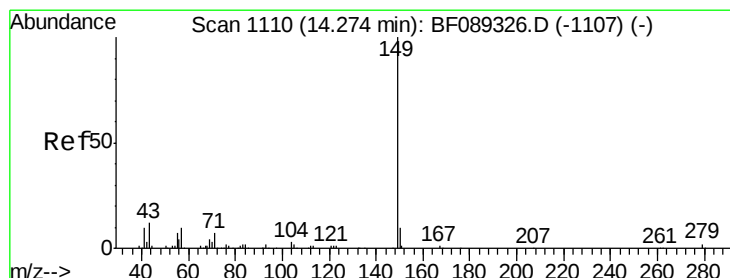
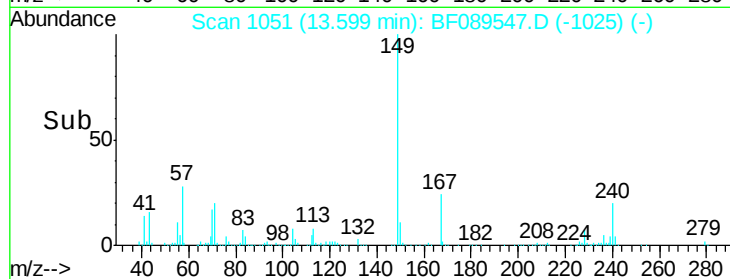
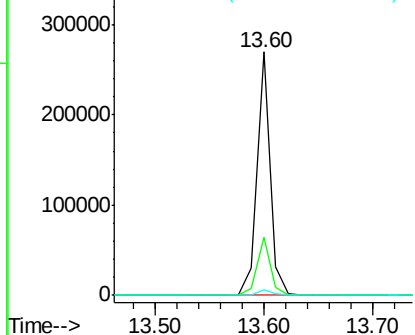
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 51.87 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	24.0	18.8	28.2
279	2.3	1.4	2.0

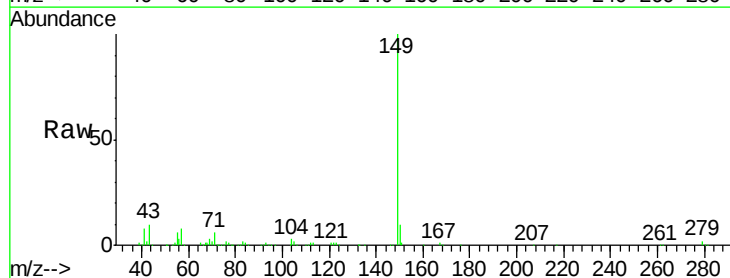


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

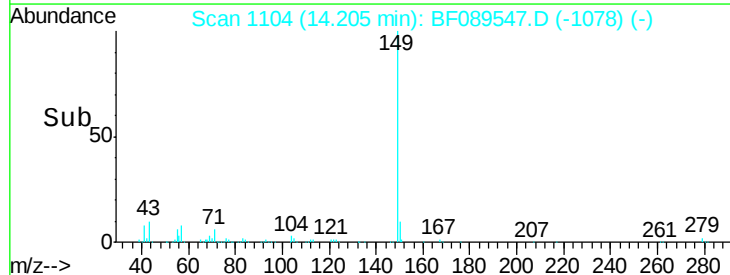
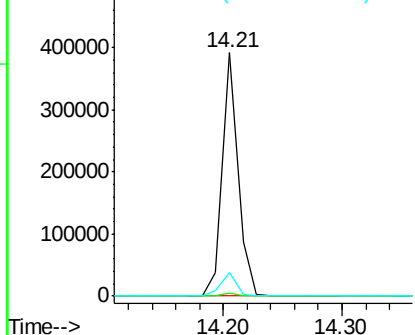


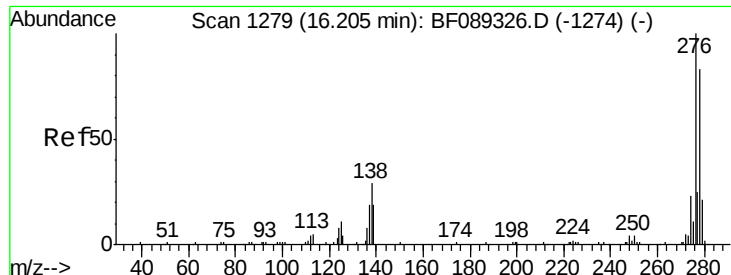
#84
 Di-n-octyl phthalate
 Concen: 51.56 ng
 RT: 14.21 min Scan# 1104
 Delta R.T. -0.00 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	10.0	7.3	10.9



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0

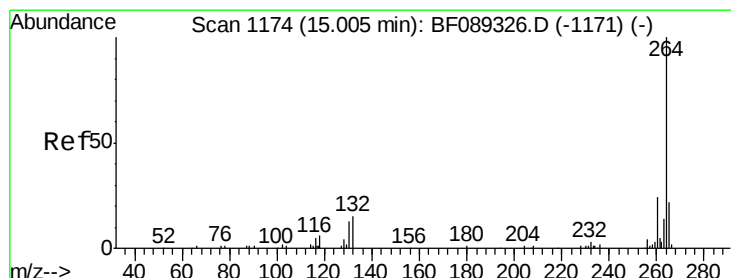
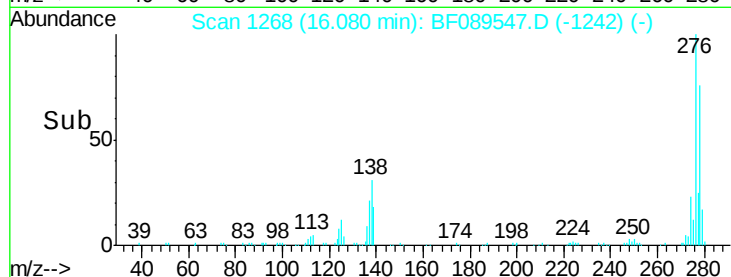
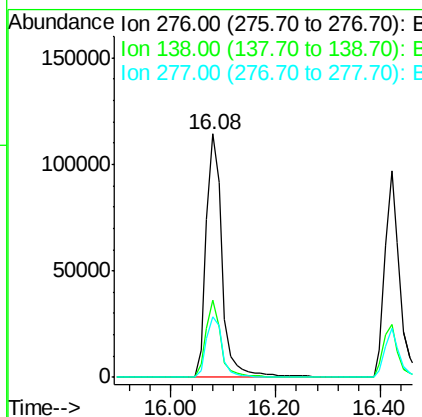
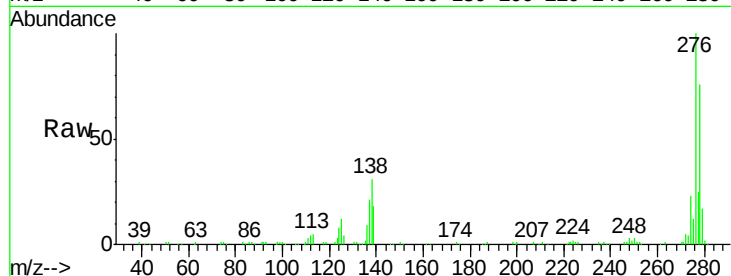




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 63.71 ng
 RT: 16.08 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

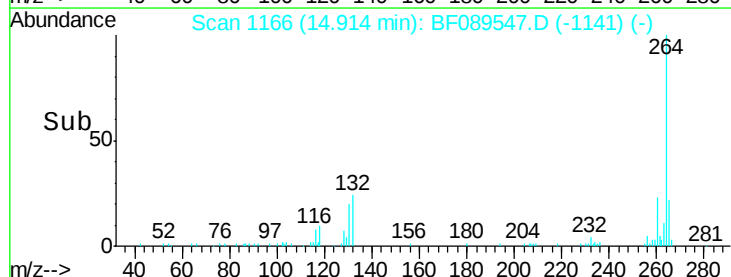
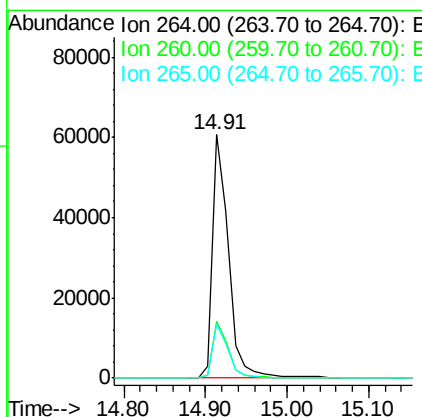
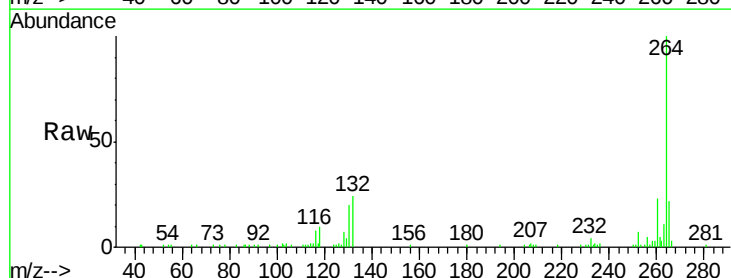
Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MSD

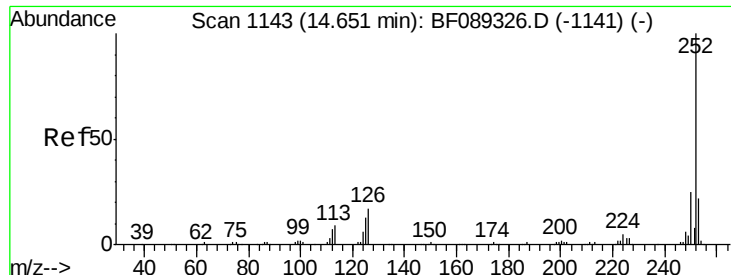
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.6	23.0	34.4
277	25.2	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.91 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: BF089547.D
 Acq: 2 Aug 2016 15:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	22.0	17.5	26.3

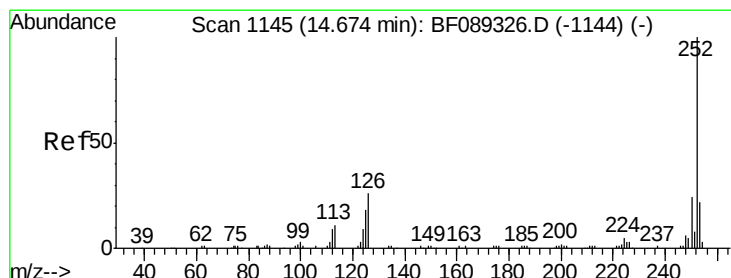
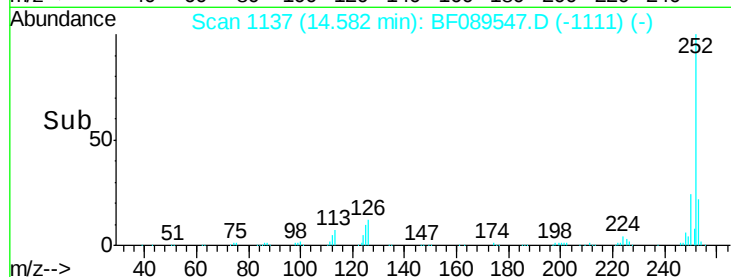
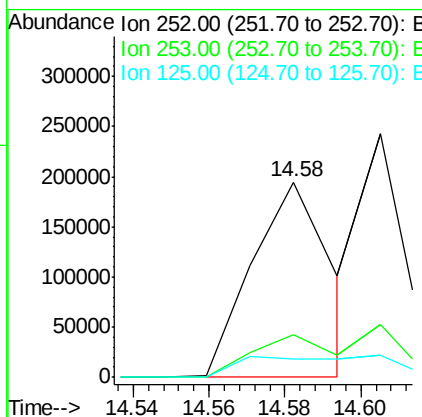
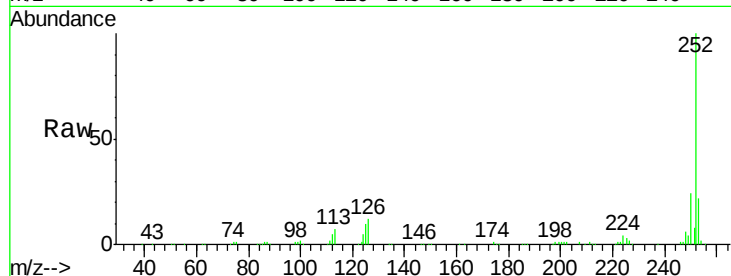




#87
Benzo(b)fluoranthene
Concen: 53.72 ng m
RT: 14.58 min Scan# 1137
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

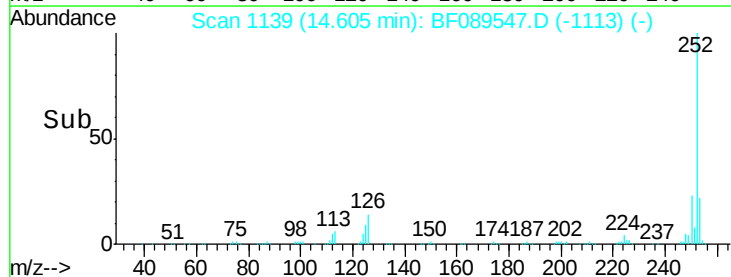
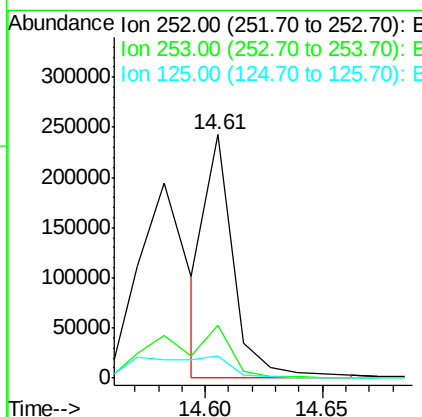
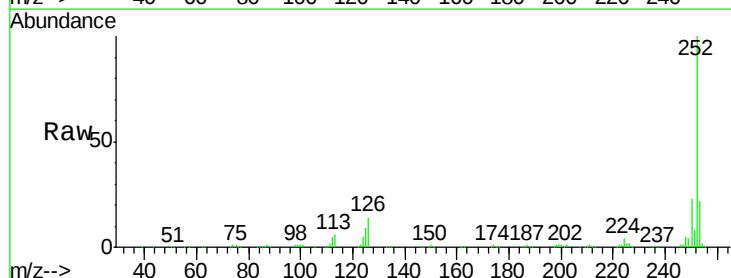
Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MSD

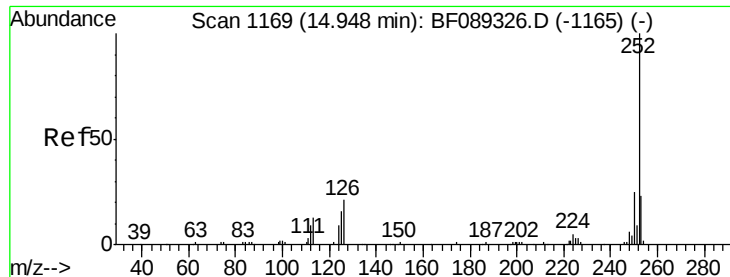
Tot Ion:252 Resp: 279427
Ion Ratio Lower Upper
252 100
253 21.5 17.2 25.8
125 9.7 9.7 14.5#



#88
Benzo(k)fluoranthene
Concen: 43.15 ng m
RT: 14.61 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BF089547.D
Acq: 2 Aug 2016 15:13

Tgt Ion:252 Resp: 206353
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 9.2 10.7 16.1#





#89

Benzo(a)pyrene

Concen: 50.37 ng

RT: 14.87 min Scan# 1162

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

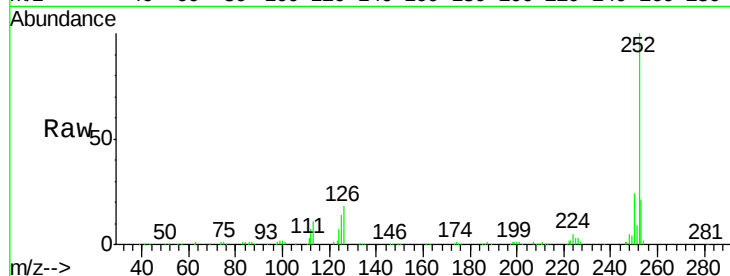
Tot Ion:252 Resp: 235013

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.2

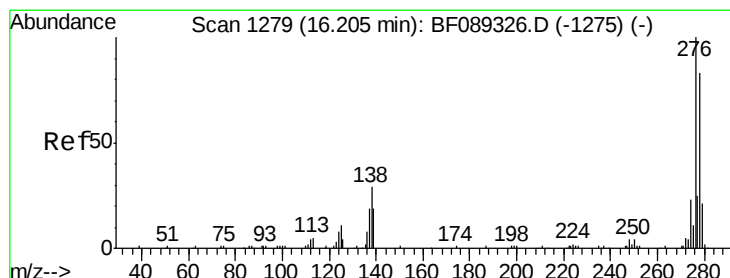
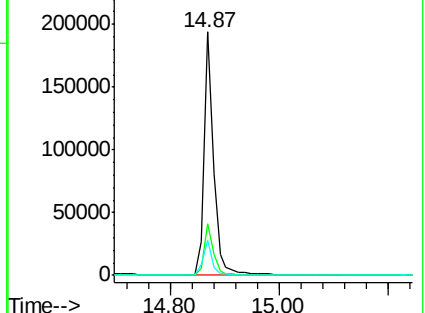
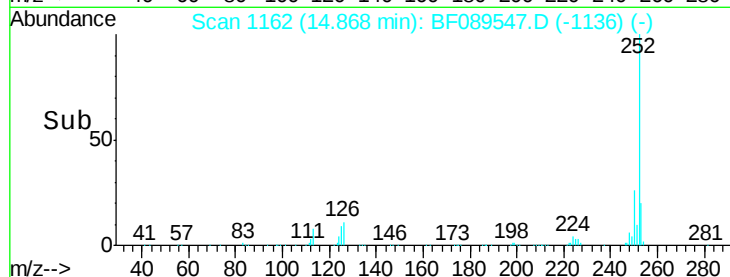
125 14.3 12.4 18.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 55.42 ng

RT: 16.09 min Scan# 1269

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

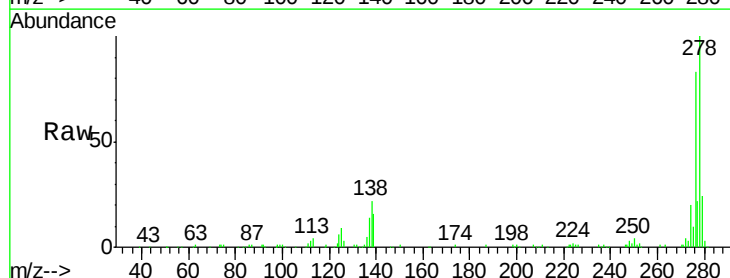
Tgt Ion:278 Resp: 203698

Ion Ratio Lower Upper

278 100

139 16.0 16.3 24.5#

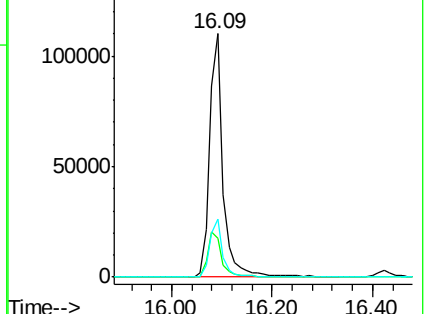
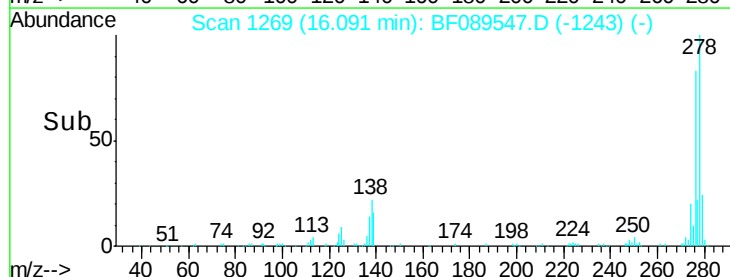
279 23.6 19.1 28.7

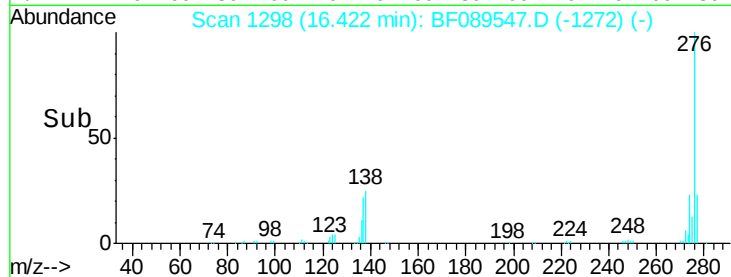
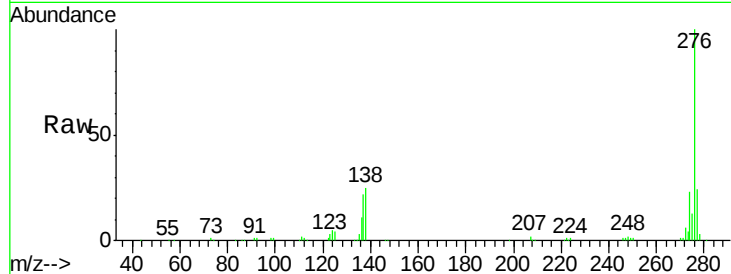
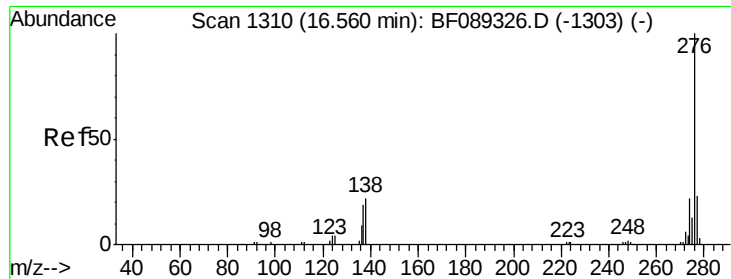


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 54.65 ng

RT: 16.42 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BF089547.D

Acq: 2 Aug 2016 15:13

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MSD

Tot Ion:276 Resp: 197445

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 25.4 21.4 32.0

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

