

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080216\
 Data File : BF089546.D
 Acq On : 2 Aug 2016 14:43
 Operator : UM/SJ
 Sample : H4269-06MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 03 01:03:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	38335	20.00	ng	-0.07
21) Naphthalene-d8	7.76	136	162500	20.00	ng	-0.07
38) Acenaphthene-d10	9.51	164	67004	20.00	ng	-0.07
63) Phenanthrene-d10	10.97	188	117098	20.00	ng	-0.08
75) Chrysene-d12	13.59	240	74848	20.00	ng	-0.08
86) Perylene-d12	14.91	264	76163	20.00	ng	-0.09

System Monitoring Compounds

5) 2-Fluorophenol	5.04	112	349971	145.77	ng	-0.07
7) Phenol-d6	6.15	99	454049	143.11	ng	-0.06
23) Nitrobenzene-d5	7.05	82	284792	103.45	ng	-0.07
41) 2,4,6-Tribromophenol	10.30	330	78805	142.01	ng	-0.07
44) 2-Fluorobiphenyl	8.84	172	504023	110.39	ng	-0.07
78) Terphenyl-d14	12.55	244	304663	95.27	ng	-0.08

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.88	88	45530	42.03	ng	# 92
3) Pyridine	2.47	79	114248	48.64	ng	98
4) n-Nitrosodimethylamine	2.44	42	51361	52.29	ng	98
6) Aniline	6.14	93	165346	48.26	ng	# 85
8) 2-Chlorophenol	6.26	128	146551	53.96	ng	99
9) Benzaldehyde	6.01	77	67404	43.51	ng	90
10) Phenol	6.16	94	197708	56.47	ng	83
11) bis(2-Chloroethyl)ether	6.23	93	148663	49.97	ng	97
12) 1,3-Dichlorobenzene	6.49	146	137870	48.53	ng	95
13) 1,4-Dichlorobenzene	6.49	146	148546	47.39	ng	96
14) 1,2-Dichlorobenzene	6.49	146	150427	51.22	ng	97
15) Benzyl Alcohol	6.64	79	123817	62.88	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.78	45	159408	49.13	ng	86
17) 2-Methylphenol	6.76	107	109368	52.10	ng	97
18) Hexachloroethane	6.98	117	53513	44.52	ng	# 87
19) n-Nitroso-di-n-propylamine	6.91	70	112748	58.93	ng	93
20) 3+4-Methylphenols	6.92	107	144015	53.43	ng	# 84
22) Acetophenone	6.90	105	185982	48.07	ng	98
24) Nitrobenzene	7.07	77	153036	48.84	ng	100
25) Isophorone	7.31	82	277658	50.07	ng	98
26) 2-Nitrophenol	7.38	139	68816	49.12	ng	# 72
27) 2,4-Dimethylphenol	7.45	122	121021	54.23	ng	95
28) bis(2-Chloroethoxy)methane	7.53	93	164789	53.68	ng	99
29) 2,4-Dichlorophenol	7.63	162	113979	56.05	ng	92
30) 1,2,4-Trichlorobenzene	7.71	180	114542	49.37	ng	99
31) Naphthalene	7.78	128	406862	50.56	ng	100
32) Benzoic acid	7.58	122	16812	10.81	ng	96
33) 4-Chloroaniline	7.85	127	123670	40.37	ng	99
34) Hexachlorobutadiene	7.91	225	62646	47.14	ng	99
35) Caprolactam	8.23	113	33470	54.53	ng	95
36) 4-Chloro-3-methylphenol	8.35	107	130257	53.89	ng	96
37) 2-Methylnaphthalene	8.47	142	238885	49.27	ng	95
39) 1,2,4,5-Tetrachlorobenzene	8.64	216	97188	41.45	ng	99
40) Hexachlorocyclopentadiene	8.63	237	42963	66.03	ng	99

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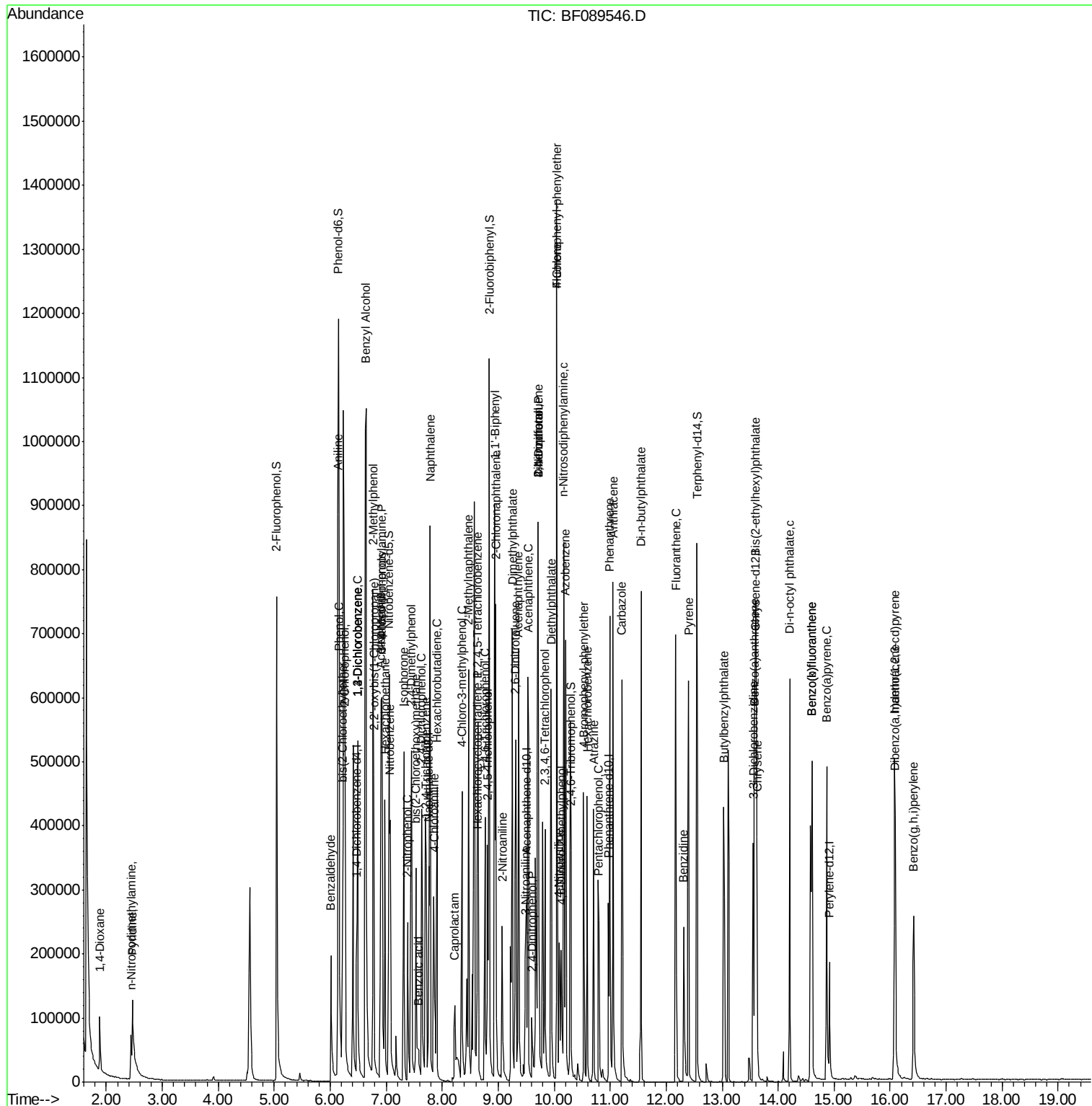
Instrument :
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 SB-52-13.0-14.0MS

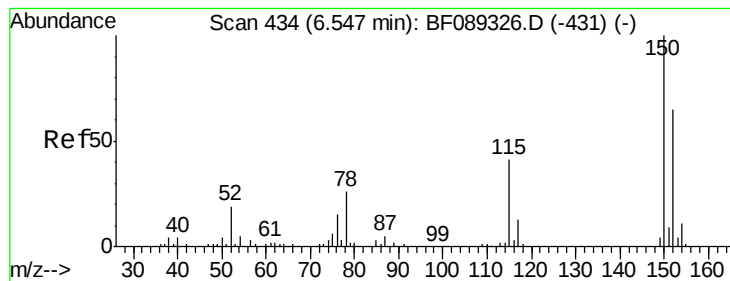
Quant Time: Aug 03 01:03:16 2016
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.76	196	66911	60.02	ng	98
43) 2,4,5-Trichlorophenol	8.81	196	73860	52.31	ng	98
45) 1,1'-Biphenyl	8.94	154	280733	49.21	ng	98
46) 2-Chloronaphthalene	8.96	162	245726	57.35	ng	95
47) 2-Nitroaniline	9.07	65	75198	59.27	ng	95
48) Acenaphthylene	9.36	152	352739	52.27	ng	99
49) Dimethylphthalate	9.26	163	385531	75.60	ng	100
50) 2,6-Dinitrotoluene	9.31	165	60909	58.13	ng	91
51) Acenaphthene	9.53	154	206890	52.50	ng	99
52) 3-Nitroaniline	9.48	138	51225	46.33	ng	98
53) 2,4-Dinitrophenol	9.60	184	21565	54.21	ng	96
54) Dibenzofuran	9.71	168	310958	57.91	ng	95
55) 4-Nitrophenol	9.71	139	197544	344.66	ng	# 12
56) 2,4-Dinitrotoluene	9.71	165	73142	53.03	ng	90
57) Fluorene	10.04	166	229221	48.90	ng	97
58) 2,3,4,6-Tetrachlorophenol	9.84	232	60148	63.80	ng	98
59) Diethylphthalate	9.94	149	259023	50.10	ng	100
60) 4-Chlorophenyl-phenylether	10.04	204	107780	50.12	ng	# 79
61) 4-Nitroaniline	10.09	138	52943	46.45	ng	99
62) Azobenzene	10.20	77	302237	56.77	ng	94
64) 4,6-Dinitro-2-methylphenol	10.12	198	27782	40.10	ng	78
65) n-Nitrosodiphenylamine	10.17	169	217666	59.57	ng	99
66) 4-Bromophenyl-phenylether	10.52	248	58420	52.25	ng	# 67
67) Hexachlorobenzene	10.59	284	61262	53.47	ng	# 80
68) Atrazine	10.71	200	67755	60.36	ng	99
69) Pentachlorophenol	10.80	266	53316	94.83	ng	98
70) Phenanthrene	10.99	178	307792	50.97	ng	99
71) Anthracene	11.05	178	349441	52.04	ng	100
72) Carbazole	11.21	167	299409	52.97	ng	98
73) Di-n-butylphthalate	11.55	149	374150	49.34	ng	99
74) Fluoranthene	12.17	202	288350	45.39	ng	95
76) Benzidine	12.31	184	165655	59.90	ng	96
77) Pyrene	12.40	202	304028	53.60	ng	99
79) Butylbenzylphthalate	13.03	149	134118	52.00	ng	# 84
80) Benzo(a)anthracene	13.58	228	224950	53.26	ng	100
81) 3,3'-Dichlorobenzidine	13.55	252	79130	52.06	ng	# 98
82) Chrysene	13.62	228	225758	50.21	ng	99
83) Bis(2-ethylhexyl)phthalate	13.60	149	176490	47.34	ng	# 98
84) Di-n-octyl phthalate	14.21	149	293665	50.48	ng	99
85) Indeno(1,2,3-cd)pyrene	16.08	276	230779	72.19	ng	99
87) Benzo(b)fluoranthene	14.61	252	452541	95.68	ng	# 96
88) Benzo(k)fluoranthene	14.61	252	453015	104.18	ng	# 95
89) Benzo(a)pyrene	14.87	252	214579	50.57	ng	98
90) Dibenzo(a,h)anthracene	16.09	278	193406	57.86	ng	96
91) Benzo(g,h,i)perylene	16.42	276	189307	57.62	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.07 min

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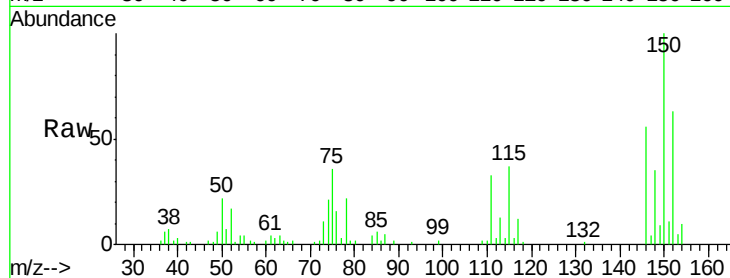
Tgt Ion:152 Resp: 38335

Ion Ratio Lower Upper

152 100

150 159.8 129.5 194.3

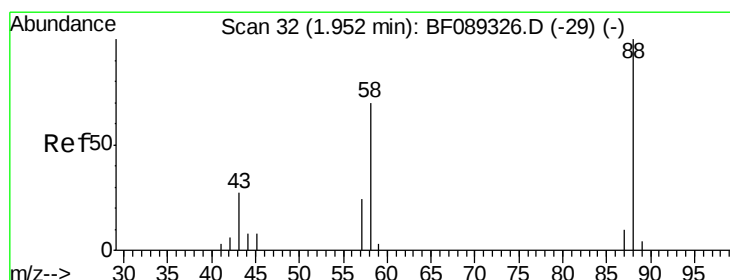
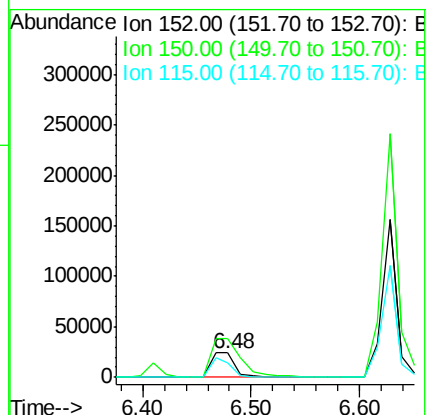
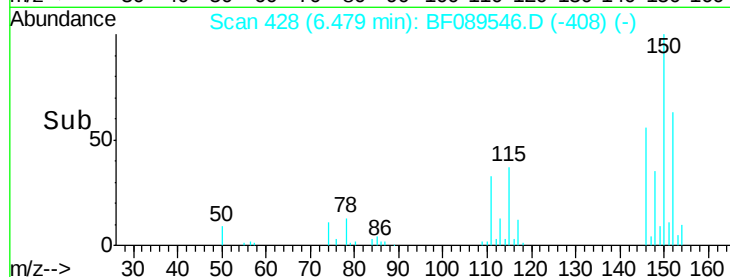
115 58.6 51.4 77.2



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



#2

1,4-Dioxane

Concen: 42.03 ng

RT: 1.88 min Scan# 26

Delta R.T. -0.07 min

Lab File: BF089546.D

Acq: 2 Aug 2016 14:43

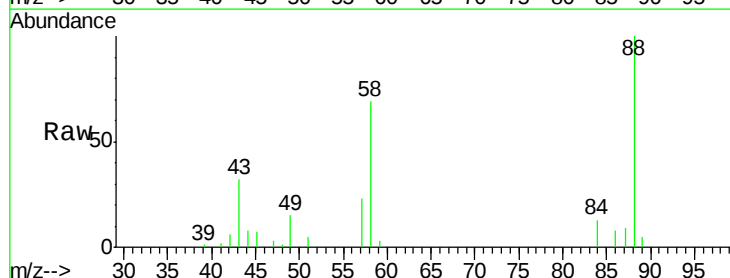
Tgt Ion: 88 Resp: 45530

Ion Ratio Lower Upper

88 100

58 63.9 53.2 79.8

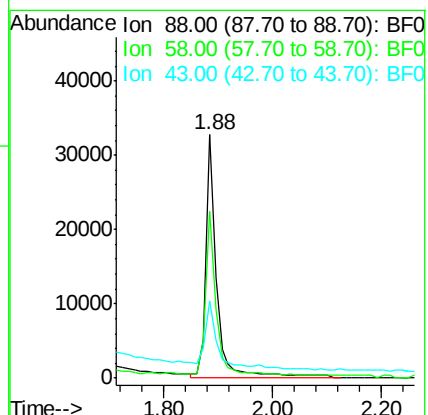
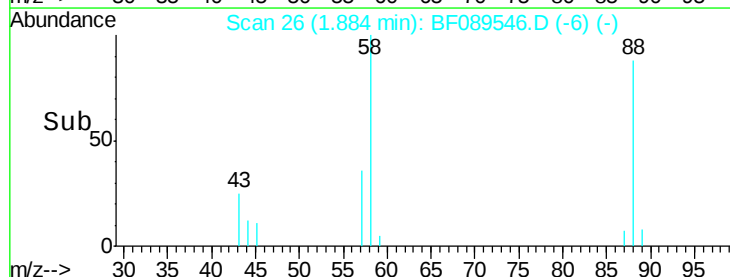
43 36.3 20.6 31.0#

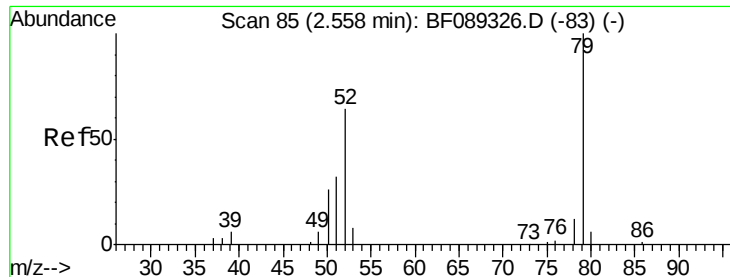


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 48.64 ng

RT: 2.47 min Scan# 77

Delta R.T. -0.10 min

Lab File: BF089546.D

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SB-52-13.0-14.0MS

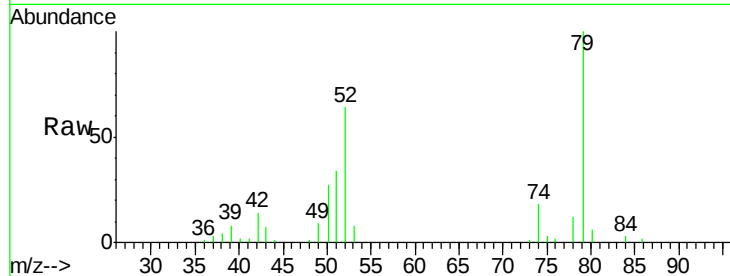
Tgt Ion: 79 Resp: 114248

Ion Ratio Lower Upper

79 100

52 63.6 51.9 77.9

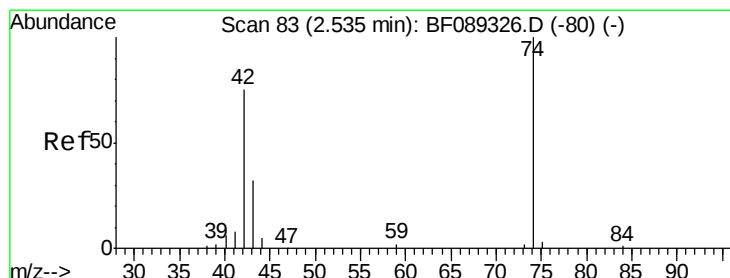
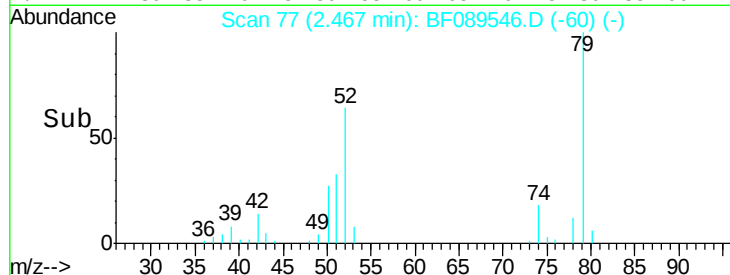
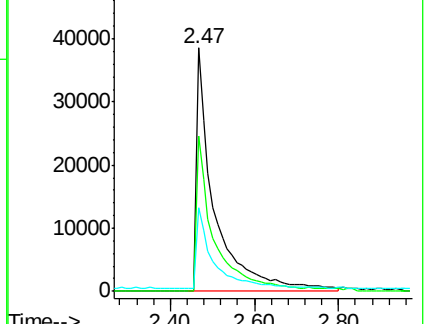
51 34.3 28.2 42.4



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 52.29 ng

RT: 2.44 min Scan# 75

Delta R.T. -0.09 min

Lab File: BF089546.D

Acq: 2 Aug 2016 14:43

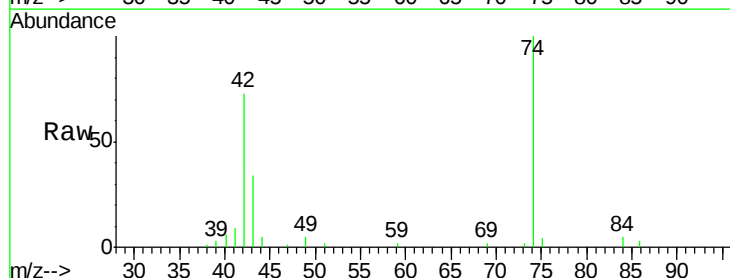
Tgt Ion: 42 Resp: 51361

Ion Ratio Lower Upper

42 100

74 136.4 110.8 166.2

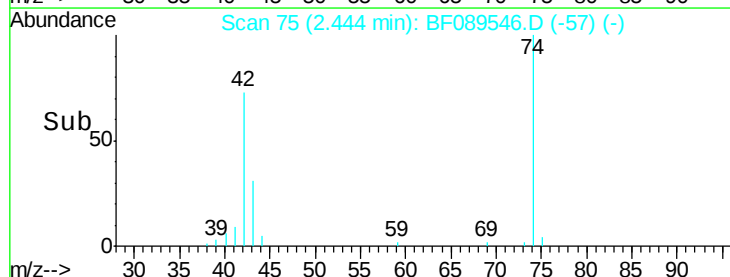
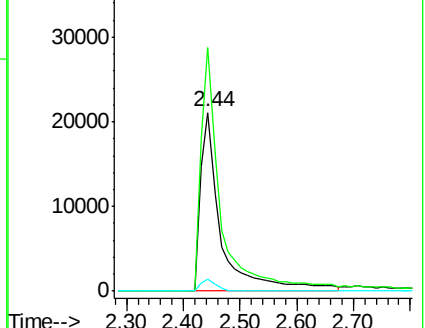
44 6.9 5.2 7.8

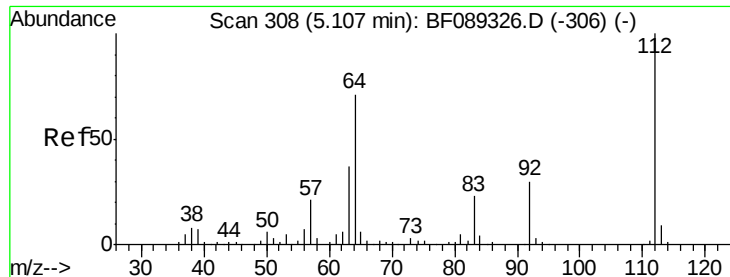


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 145.77 ng

RT: 5.04 min Scan# 302

Delta R.T. -0.07 min

Lab File: BF089546.D

Acq: 2 Aug 2016 14:43

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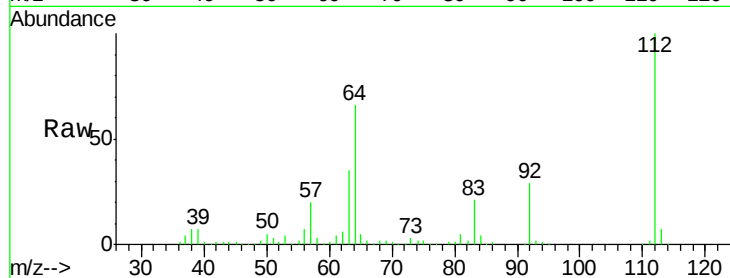
Tgt Ion: 112 Resp: 349971

Ion Ratio Lower Upper

112 100

64 66.1 55.0 82.6

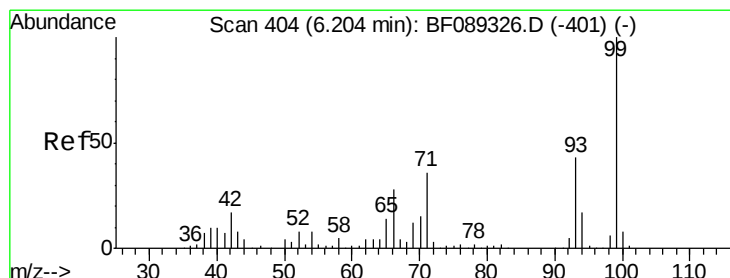
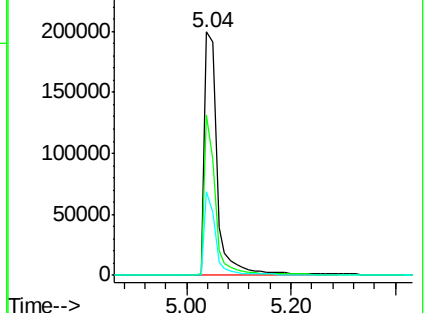
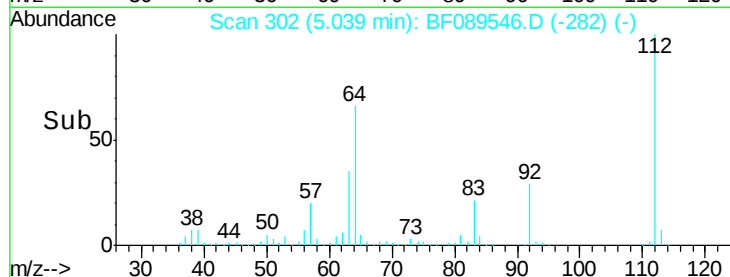
63 34.6 29.4 44.2



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: 48.26 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.07 min

Lab File: BF089546.D

Acq: 2 Aug 2016 14:43

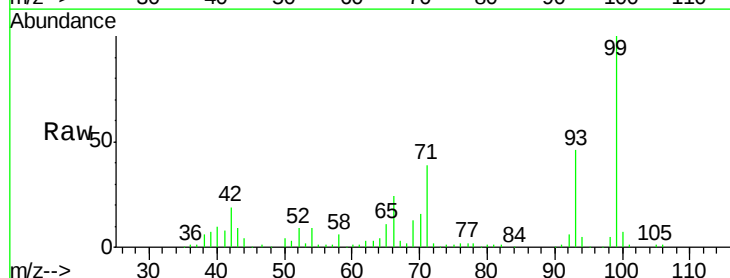
Tgt Ion: 93 Resp: 165346

Ion Ratio Lower Upper

93 100

66 52.8 51.6 77.4

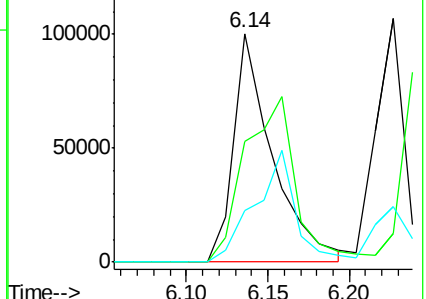
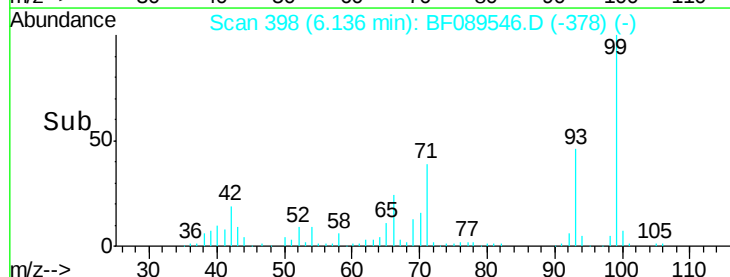
65 22.7 24.7 37.1#

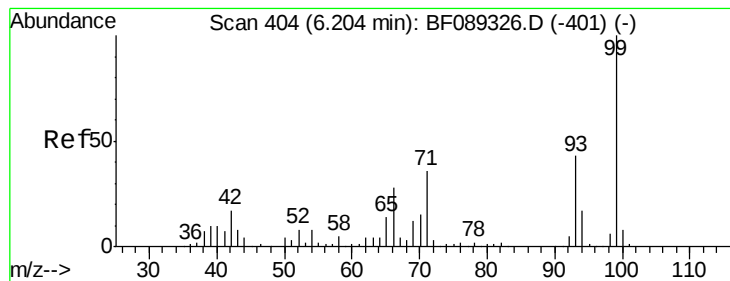


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 143.11 ng

RT: 6.15 min Scan# 399

Delta R.T. -0.06 min

Lab File: BF089546.D

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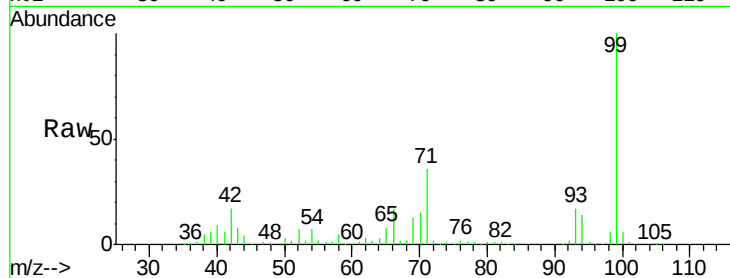
Tgt Ion: 99 Resp: 454049

Ion Ratio Lower Upper

99 100

42 17.0 13.6 20.4

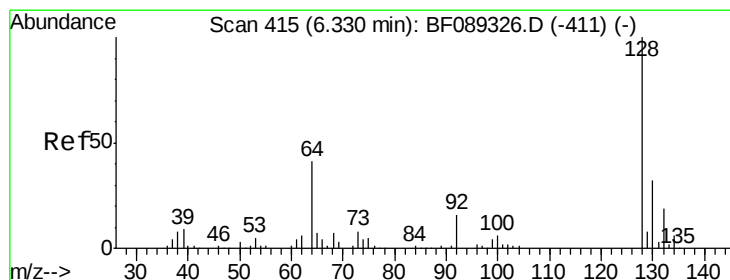
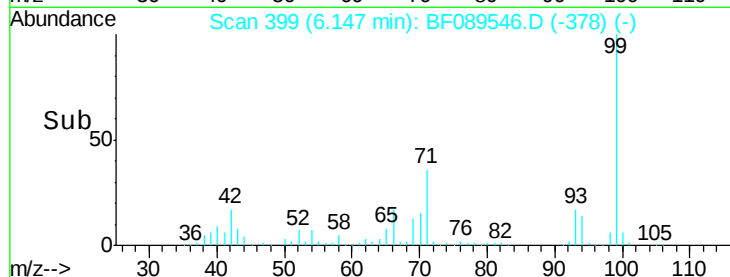
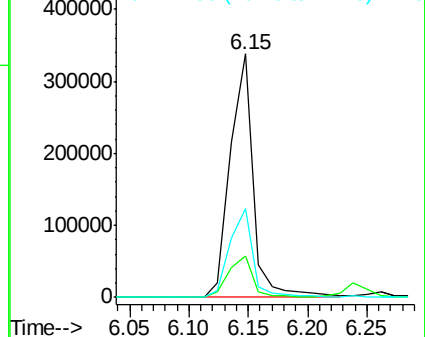
71 36.4 29.4 44.2



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: 53.96 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.07 min

Lab File: BF089546.D

Acq: 2 Aug 2016 14:43

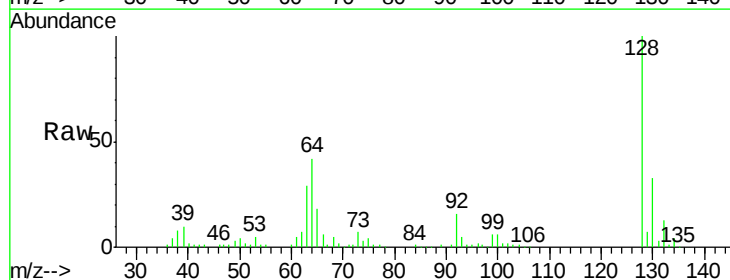
Tgt Ion: 128 Resp: 146551

Ion Ratio Lower Upper

128 100

130 33.2 12.6 52.6

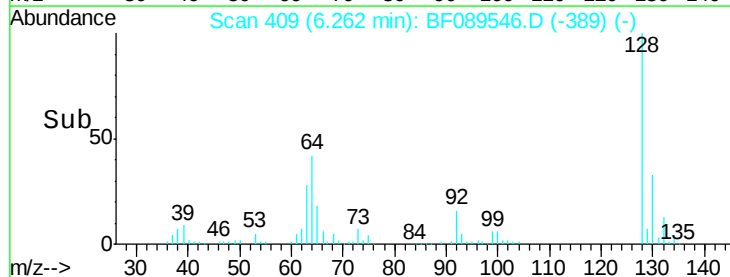
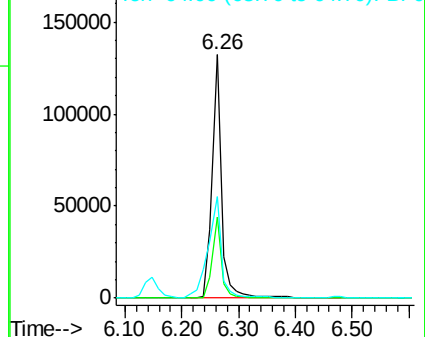
64 41.7 22.1 62.1

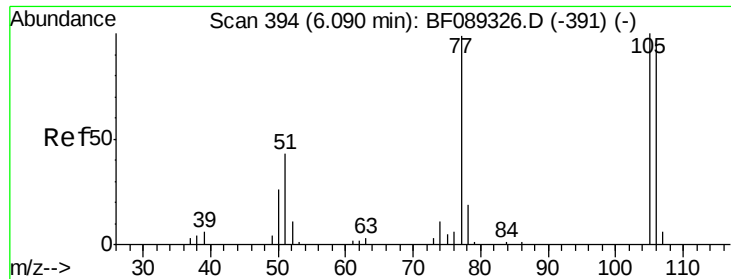


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

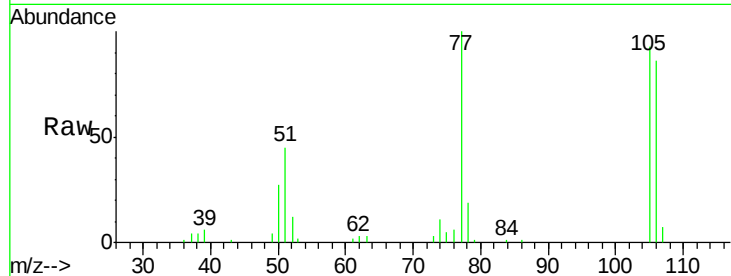




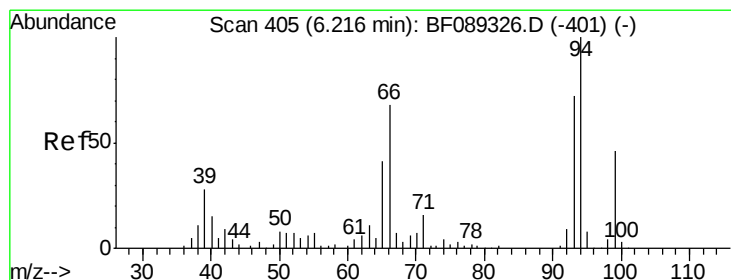
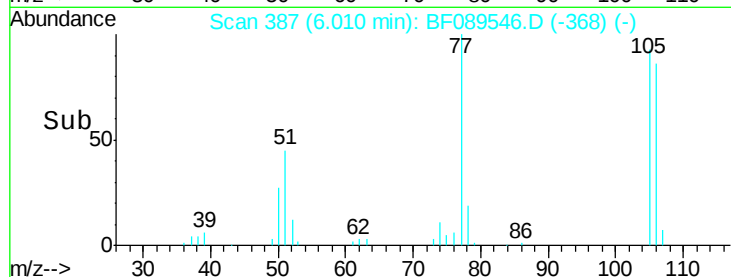
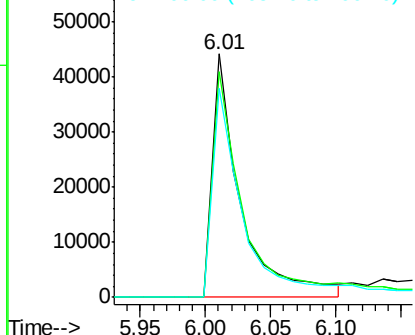
#9
Benzaldehyde
Concen: 43.51 ng
RT: 6.01 min Scan# 387
Delta R.T. -0.08 min
Lab File: BF089546.D
Acq: 2 Aug 2016 14:43

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

Tgt Ion: 77 Resp: 67404
Ion Ratio Lower Upper
77 100
105 92.5 82.9 122.9
106 86.0 75.9 115.9

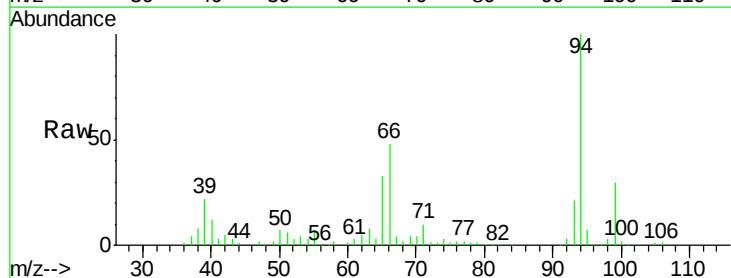


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0

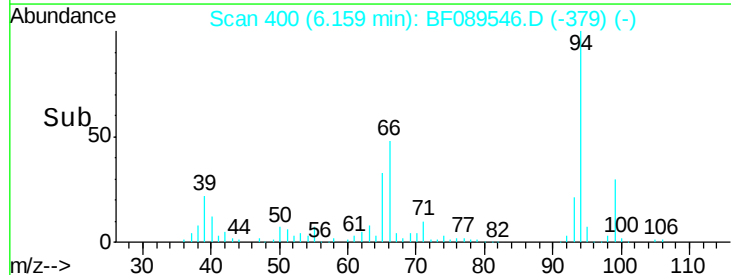
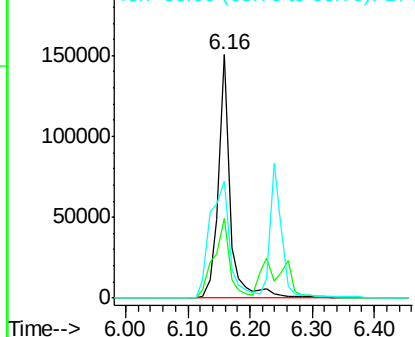


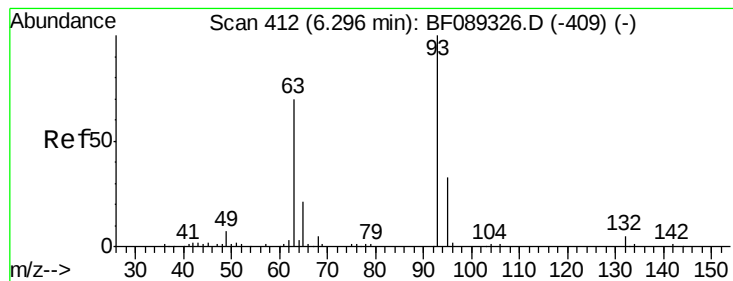
#10
Phenol
Concen: 56.47 ng
RT: 6.16 min Scan# 400
Delta R.T. -0.06 min
Lab File: BF089546.D
Acq: 2 Aug 2016 14:43

Tgt Ion: 94 Resp: 197708
Ion Ratio Lower Upper
94 100
65 32.6 19.1 59.1
66 48.2 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: 49.97 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.07 min

Lab File: BF089546.D

Acq: 2 Aug 2016 14:43

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MS

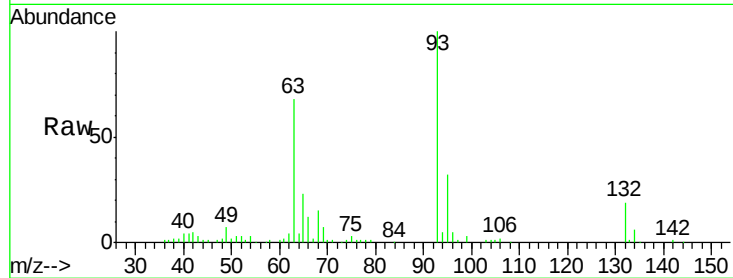
Tgt Ion: 93 Resp: 148663

Ion Ratio Lower Upper

93 100

63 68.3 45.6 85.6

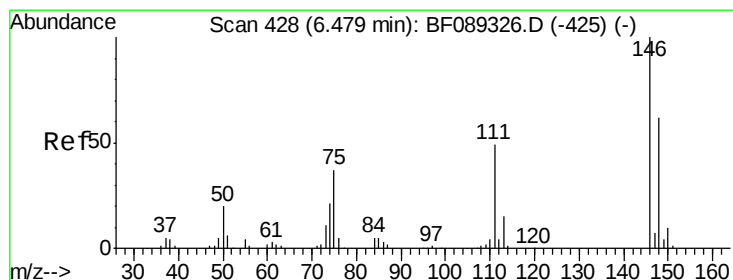
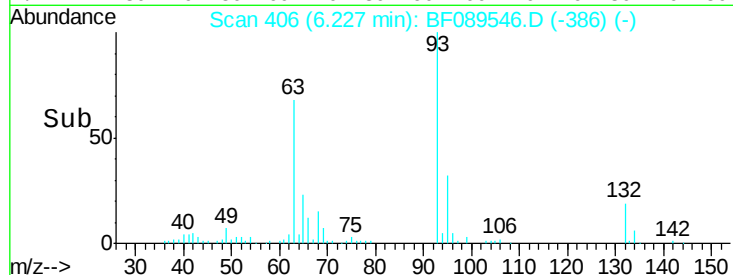
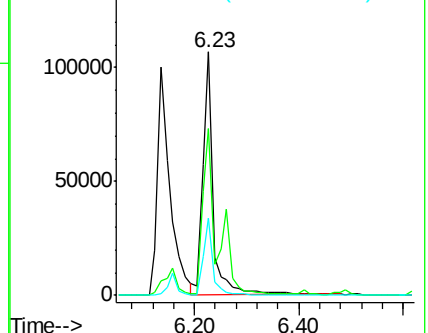
95 31.7 11.1 51.1



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 48.53 ng

RT: 6.49 min Scan# 429

Delta R.T. 0.01 min

Lab File: BF089546.D

Acq: 2 Aug 2016 14:43

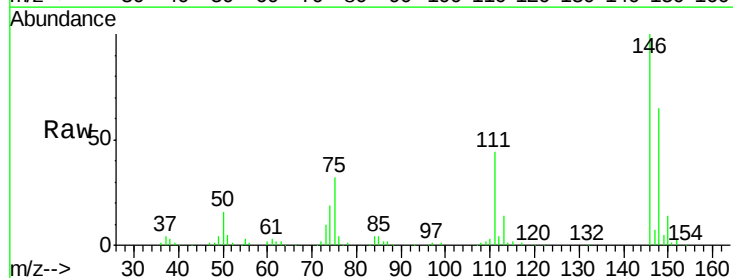
Tgt Ion: 146 Resp: 137870

Ion Ratio Lower Upper

146 100

148 65.0 50.5 75.7

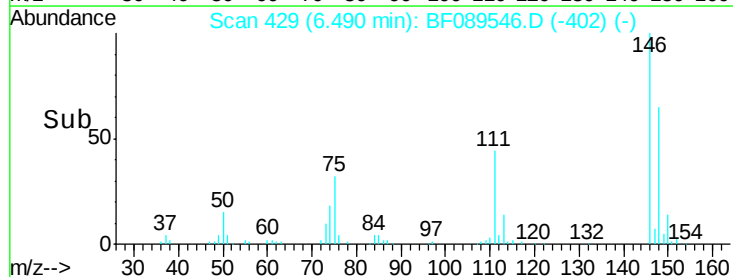
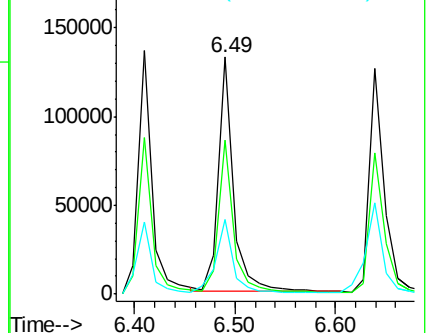
75 31.8 30.0 45.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

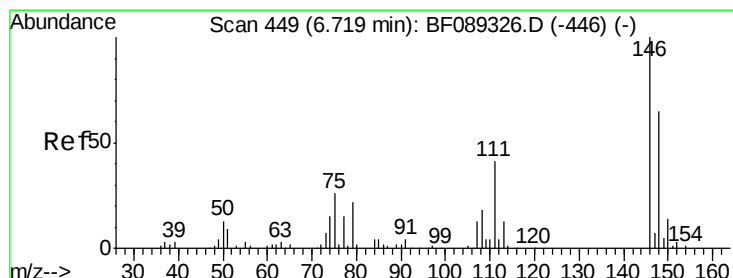
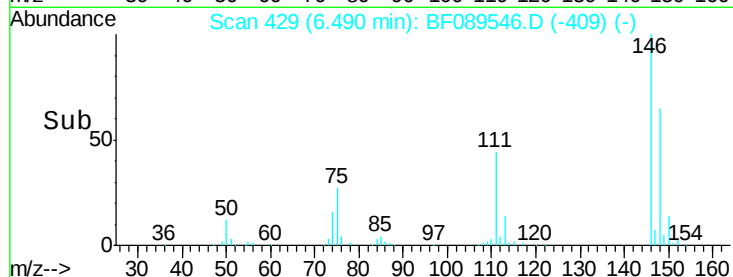
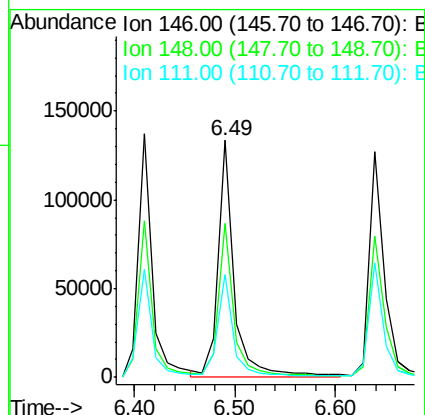
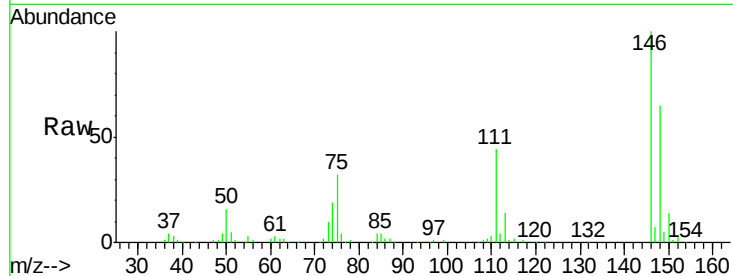




#13
 1,4-Dichlorobenzene
 Concen: 47.39 ng
 RT: 6.49 min Scan# 429
 Delta R.T. -0.07 min
 Lab File: BF089546.D
 Acq: 2 Aug 2016 14:43

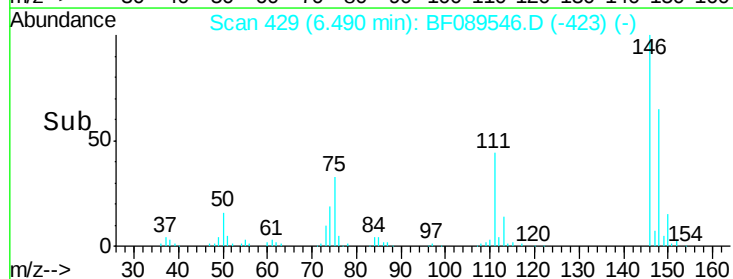
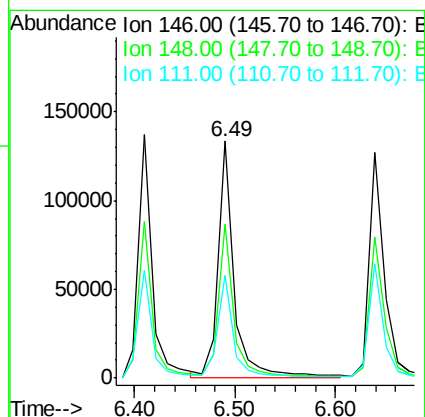
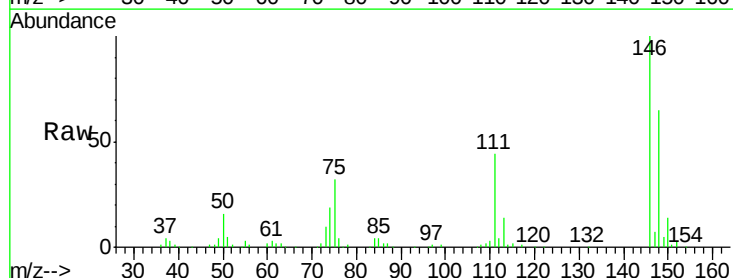
Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MS

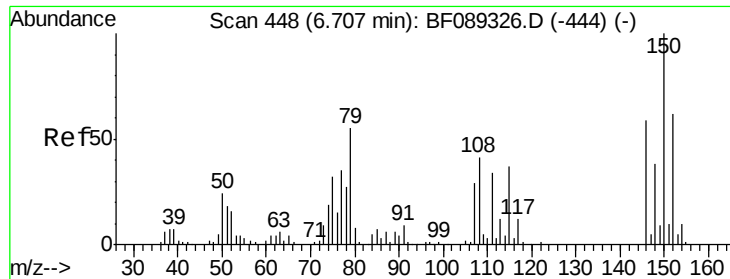
Tgt Ion:146 Resp: 148546
 Ion Ratio Lower Upper
 146 100
 148 65.0 50.8 76.2
 111 43.6 38.6 57.8



#14
 1,2-Dichlorobenzene
 Concen: 51.22 ng
 RT: 6.49 min Scan# 429
 Delta R.T. -0.23 min
 Lab File: BF089546.D
 Acq: 2 Aug 2016 14:43

Tgt Ion:146 Resp: 150427
 Ion Ratio Lower Upper
 146 100
 148 65.0 50.4 75.6
 111 43.6 33.0 49.4

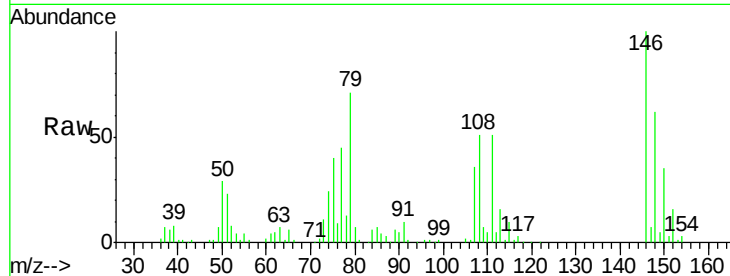




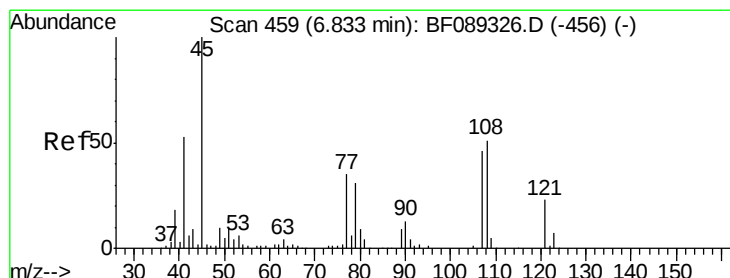
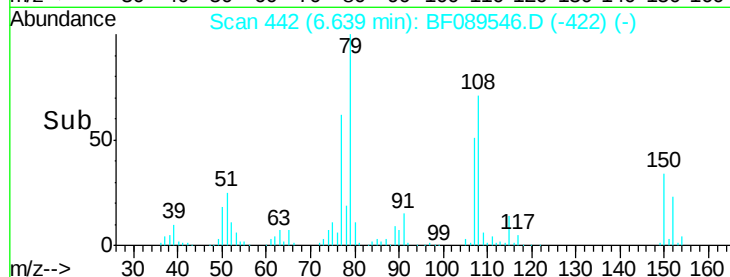
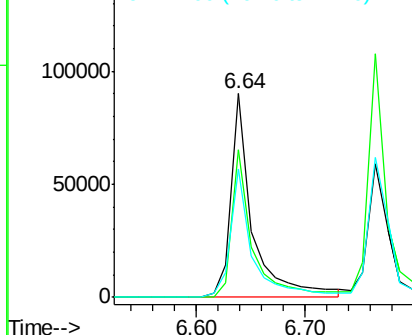
#15
Benzyl Alcohol
Concen: 62.88 ng
RT: 6.64 min Scan# 442
Delta R.T. -0.07 min
Lab File: BF089546.D
Acq: 2 Aug 2016 14:43

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

Tgt Ion: 79 Resp: 123817
Ion Ratio Lower Upper
79 100
108 72.2 59.8 89.6
77 63.0 51.7 77.5

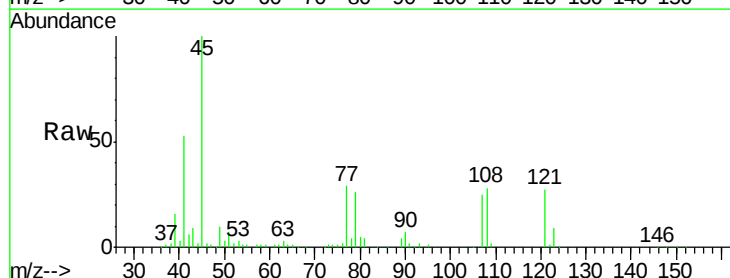


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

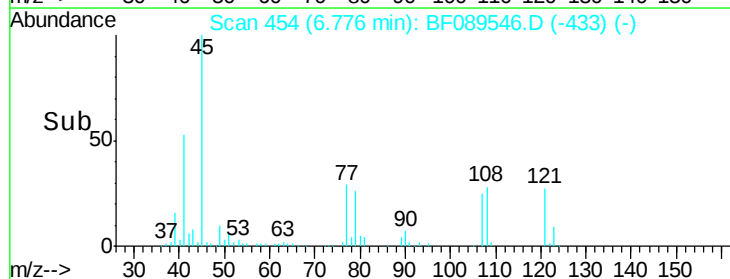
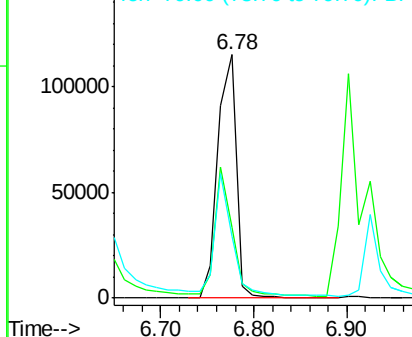


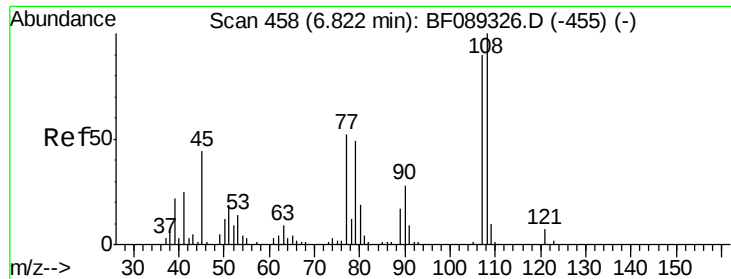
#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.13 ng
RT: 6.78 min Scan# 454
Delta R.T. -0.06 min
Lab File: BF089546.D
Acq: 2 Aug 2016 14:43

Tgt Ion: 45 Resp: 159408
Ion Ratio Lower Upper
45 100
77 29.1 17.3 57.3
79 25.5 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

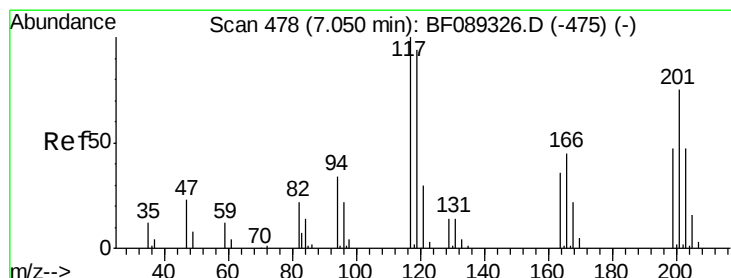
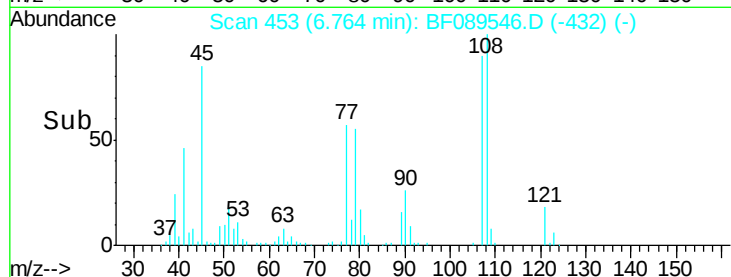
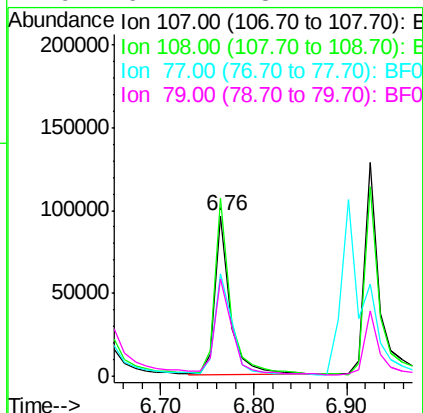
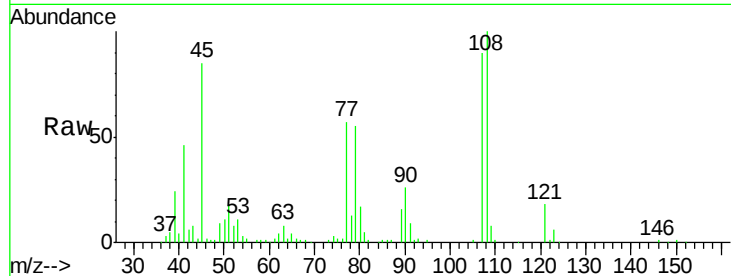




#17
 2-Methylphenol
 Concen: 52.10 ng
 RT: 6.76 min Scan# 453
 Delta R.T. -0.06 min
 Lab File: BF089546.D
 Acq: 2 Aug 2016 14:43

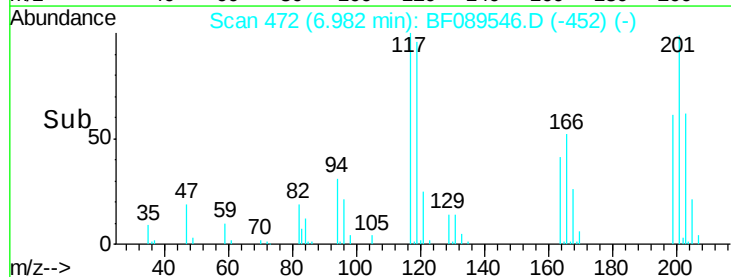
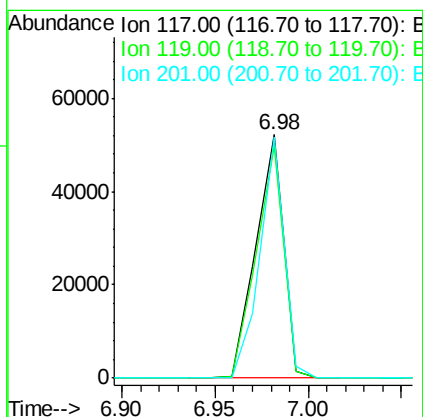
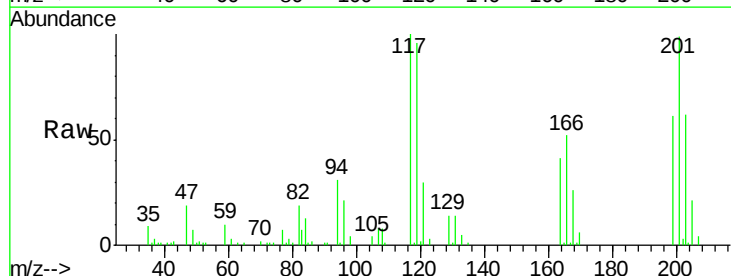
Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MS

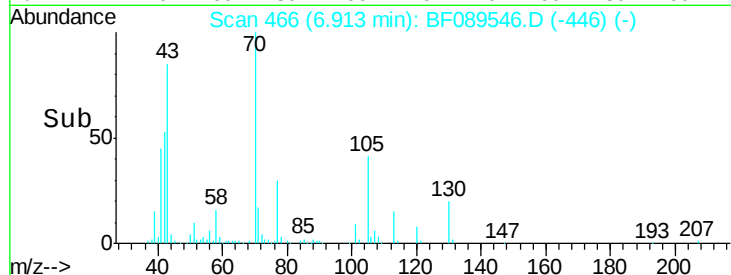
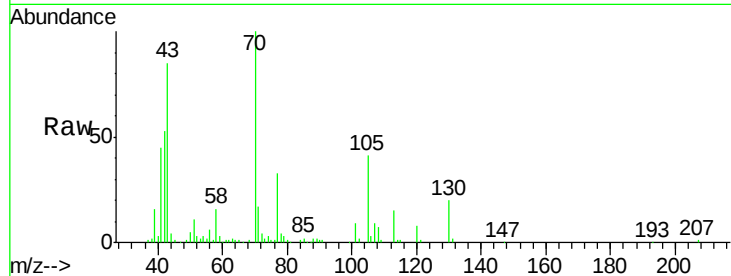
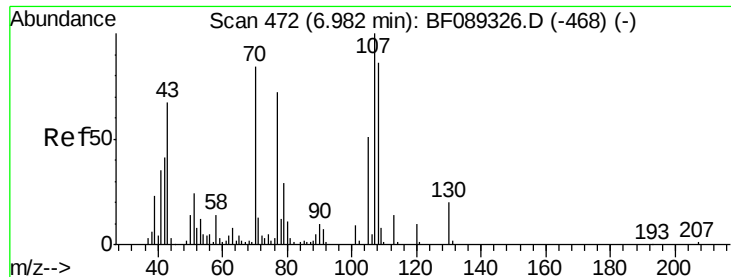
Tgt Ion:107 Resp: 109368
 Ion Ratio Lower Upper
 107 100
 108 111.4 91.4 137.0
 77 63.9 48.6 73.0
 79 61.2 48.2 72.4



#18
 Hexachloroethane
 Concen: 44.52 ng
 RT: 6.98 min Scan# 472
 Delta R.T. -0.07 min
 Lab File: BF089546.D
 Acq: 2 Aug 2016 14:43

Tgt Ion:117 Resp: 53513
 Ion Ratio Lower Upper
 117 100
 119 95.5 76.0 114.0
 201 98.8 60.0 90.0#

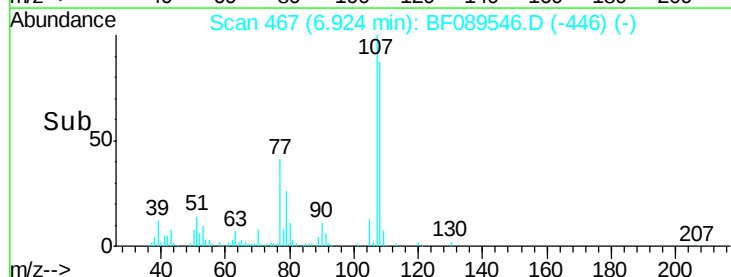
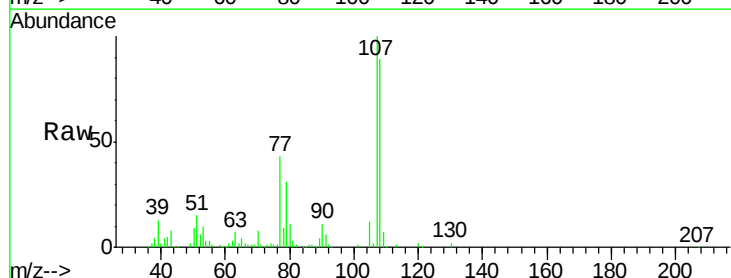
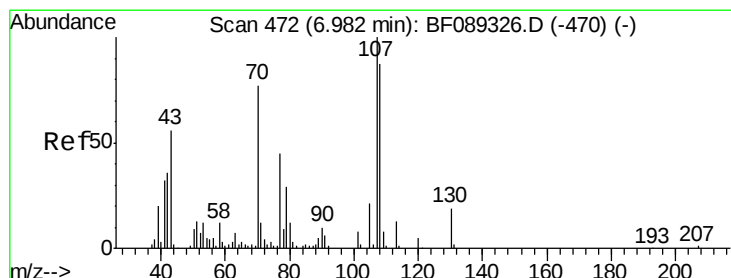
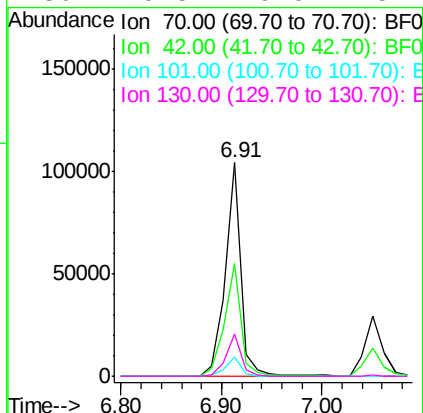




#19
n-Nitroso-di-n-propylamine
Concen: 58.93 ng
RT: 6.91 min Scan# 466
Delta R.T. -0.07 min
Lab File: BF089546.D
Acq: 2 Aug 2016 14:43

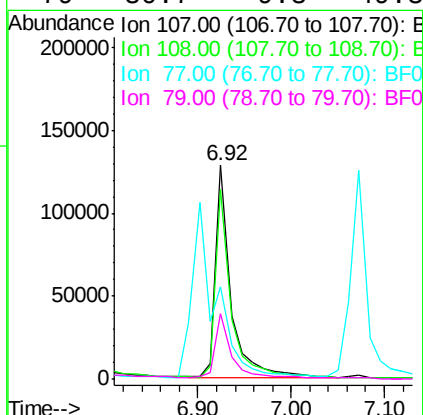
Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MS

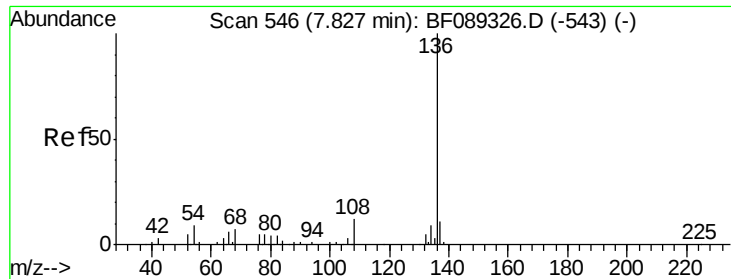
Tgt Ion:	70	Resp:	112748
Ion	Ratio	Lower	Upper
70	100		
42	52.9	38.6	57.8
101	9.1	8.3	12.5
130	19.5	19.0	28.4



#20
3+4-Methylphenols
Concen: 53.43 ng
RT: 6.92 min Scan# 467
Delta R.T. -0.06 min
Lab File: BF089546.D
Acq: 2 Aug 2016 14:43

Tgt Ion:	107	Resp:	144015
Ion	Ratio	Lower	Upper
107	100		
108	88.5	63.3	103.3
77	43.1	51.1	91.1#
79	30.7	9.3	49.3

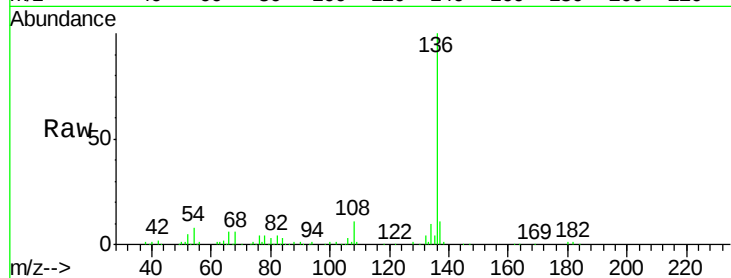




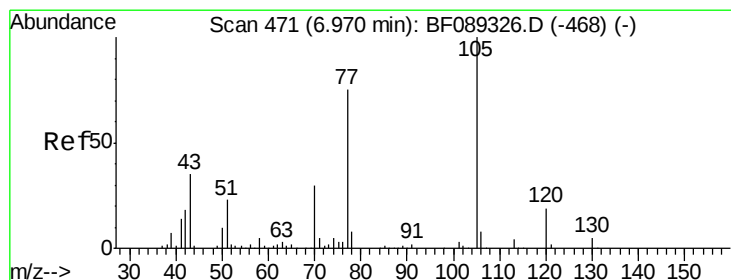
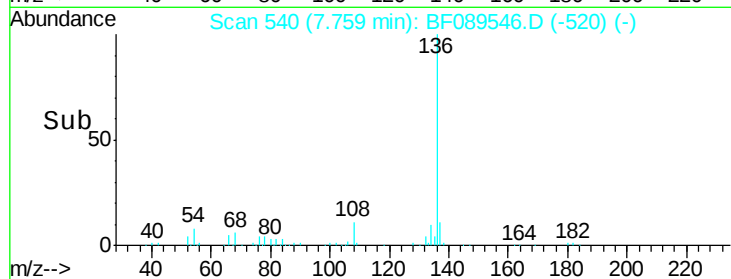
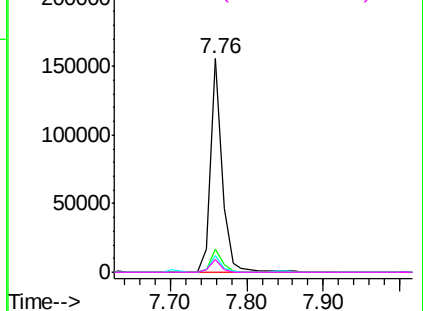
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.76 min Scan# 540
Delta R.T. -0.07 min
Lab File: BF089546.D
Acq: 2 Aug 2016 14:43

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

Tgt Ion:	136	Resp:	162500
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	7.6	7.0	10.4
68	5.9	4.9	7.3

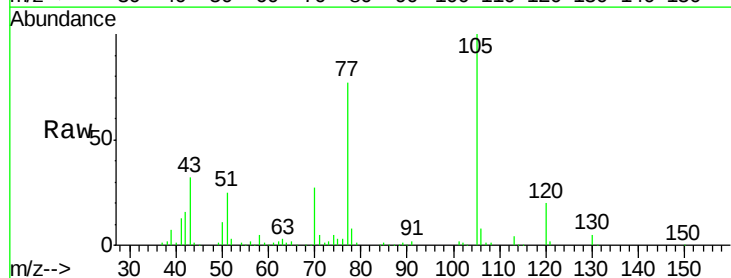


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

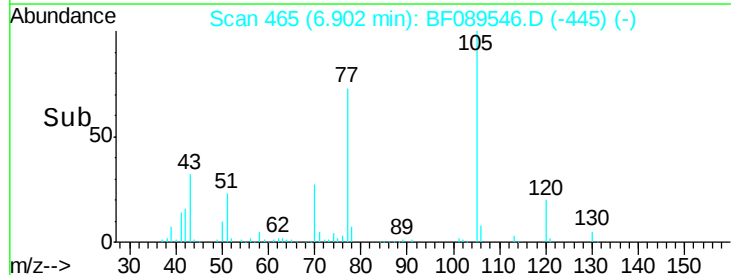
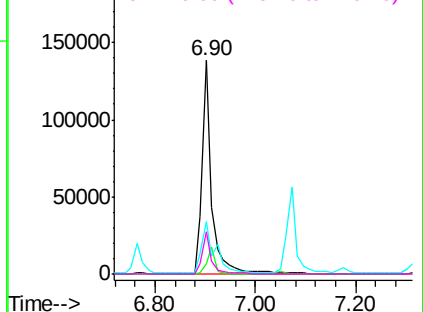


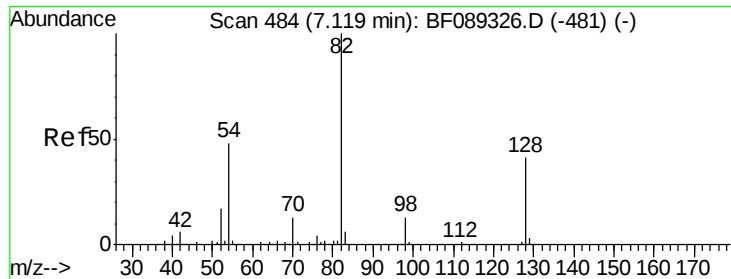
#22
Acetophenone
Concen: 48.07 ng
RT: 6.90 min Scan# 465
Delta R.T. -0.07 min
Lab File: BF089546.D
Acq: 2 Aug 2016 14:43

Tgt Ion:	105	Resp:	185982
Ion	Ratio	Lower	Upper
105	100		
71	4.7	4.2	6.2
51	24.8	18.7	28.1
120	19.8	15.8	23.6



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

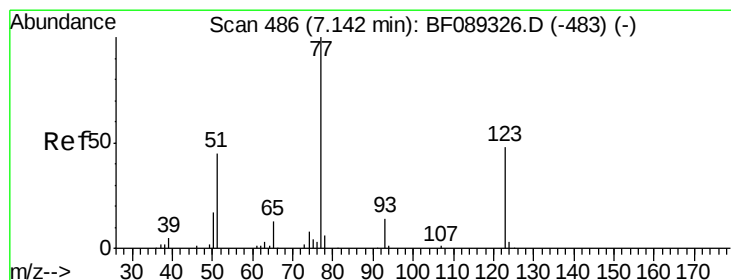
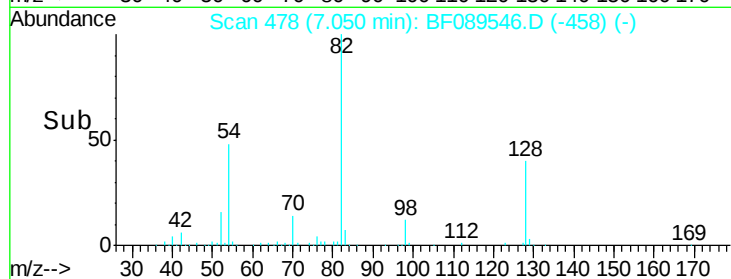
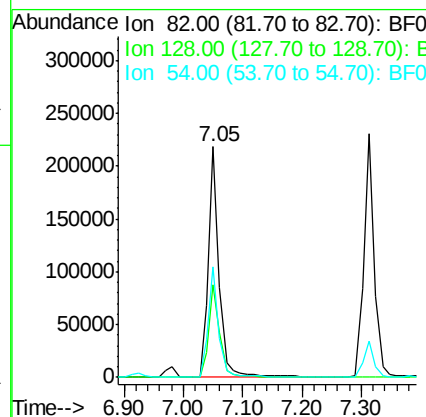
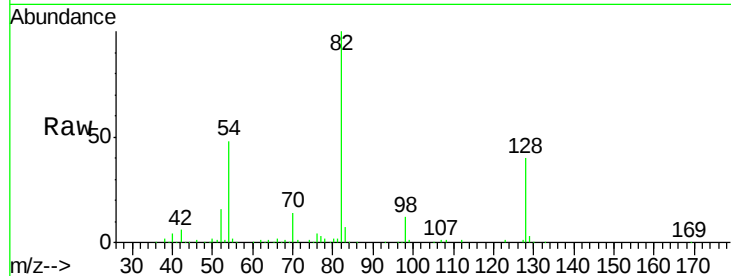




#23
 Nitrobenzene-d5
 Concen: 103.45 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.07 min
 Lab File: BF089546.D
 Acq: 2 Aug 2016 14:43

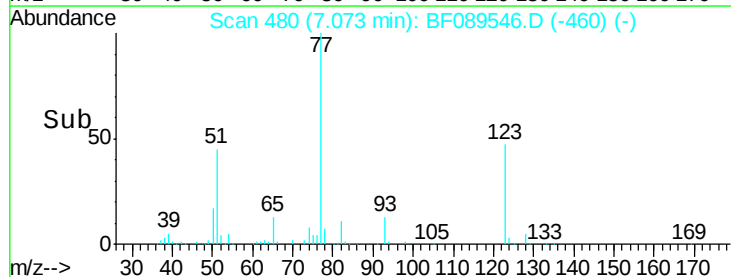
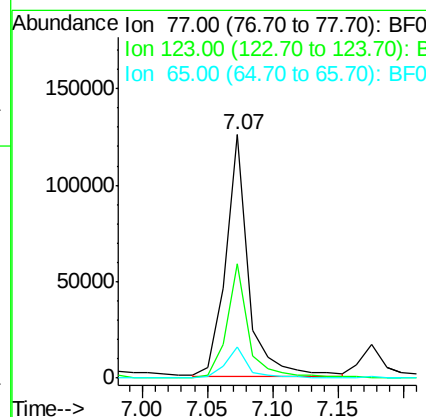
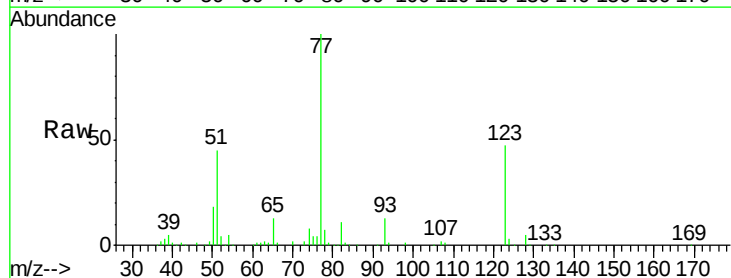
Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MS

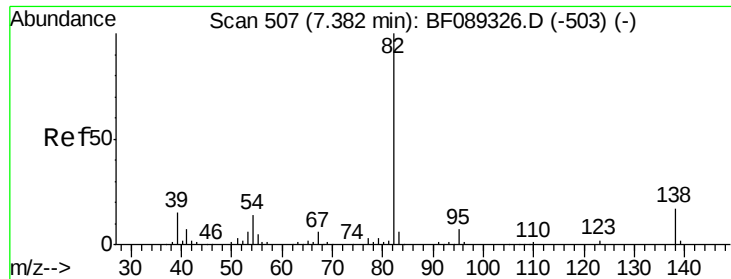
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.5	48.7
54	48.0	38.8	58.2



#24
 Nitrobenzene
 Concen: 48.84 ng
 RT: 7.07 min Scan# 480
 Delta R.T. -0.07 min
 Lab File: BF089546.D
 Acq: 2 Aug 2016 14:43

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.7	37.2	55.8
65	12.9	10.2	15.4

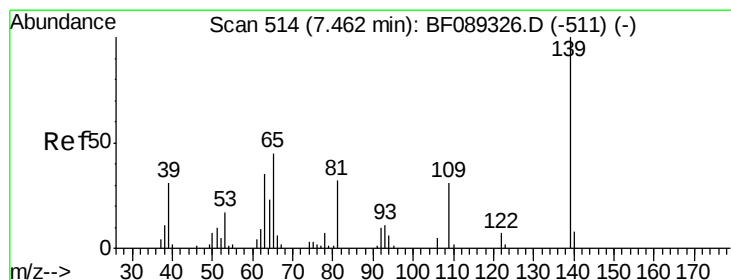
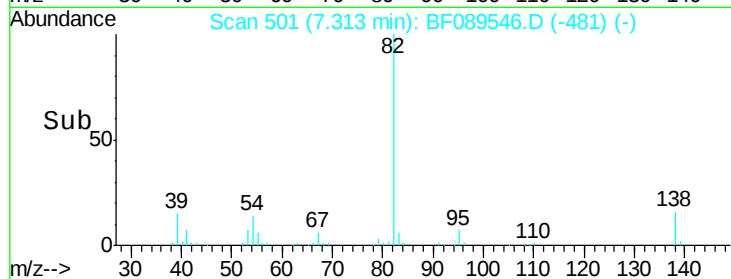
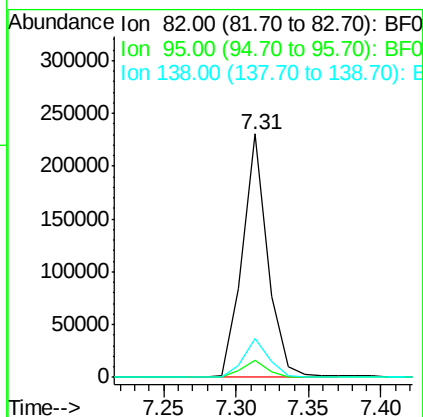
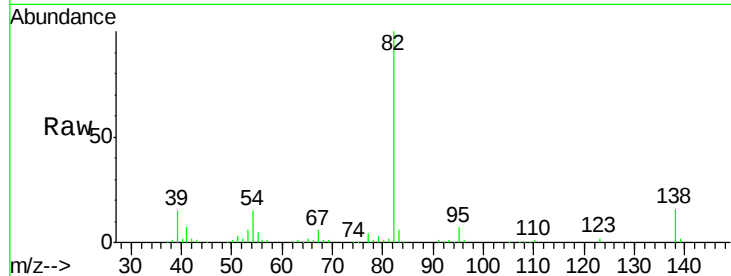




#25
Isophorone
Concen: 50.07 ng
RT: 7.31 min Scan# 501
Delta R.T. -0.07 min
Lab File: BF089546.D
Acq: 2 Aug 2016 14:43

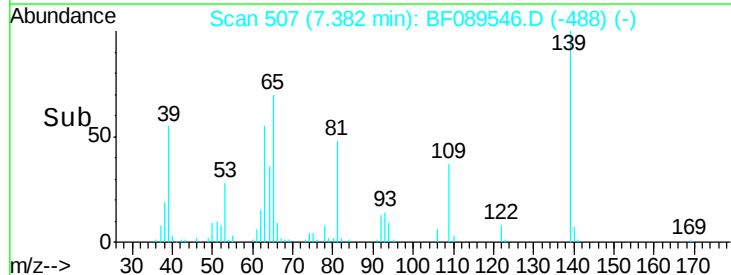
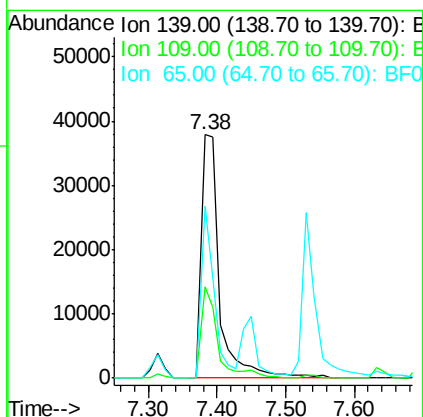
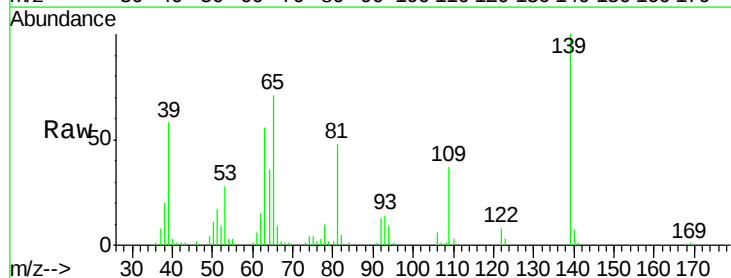
Instrument :
BNA_F
ClientSampleId :
SB-52-13.0-14.0MS

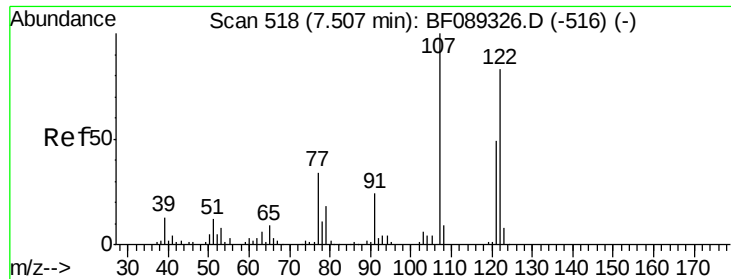
Tgt Ion: 82 Resp: 277658
Ion Ratio Lower Upper
82 100
95 7.2 6.0 9.0
138 15.8 13.3 19.9



#26
2-Nitrophenol
Concen: 49.12 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.08 min
Lab File: BF089546.D
Acq: 2 Aug 2016 14:43

Tgt Ion: 139 Resp: 68816
Ion Ratio Lower Upper
139 100
109 37.5 25.8 38.8
65 70.7 35.2 52.8#

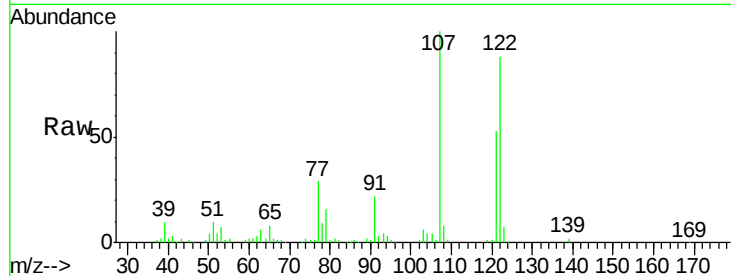




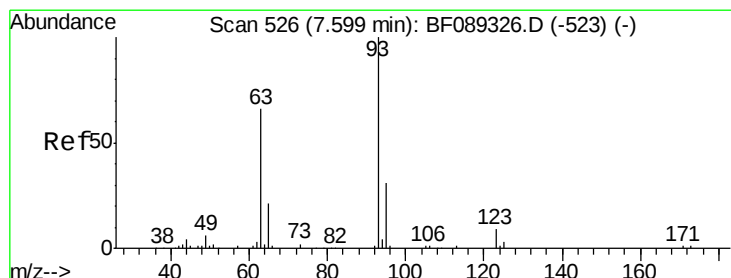
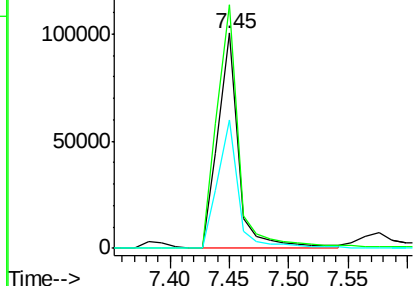
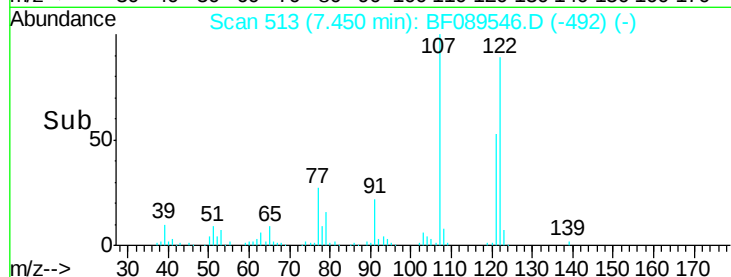
#27
 2,4-Dimethylphenol
 Concen: 54.23 ng
 RT: 7.45 min Scan# 513
 Delta R.T. -0.06 min
 Lab File: BF089546.D
 Acq: 2 Aug 2016 14:43

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

Tgt Ion	Ratio	Lower	Upper
122	100		
107	113.3	97.2	145.8
121	59.9	48.8	73.2

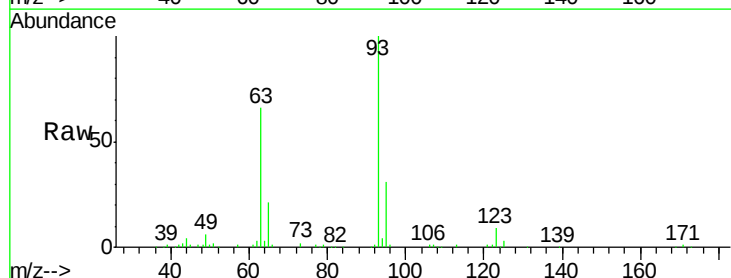


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

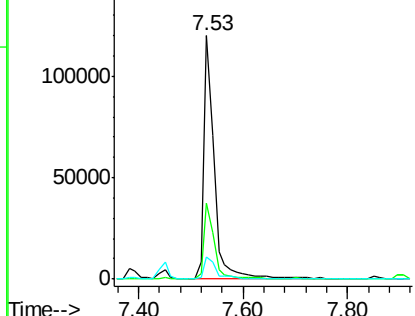
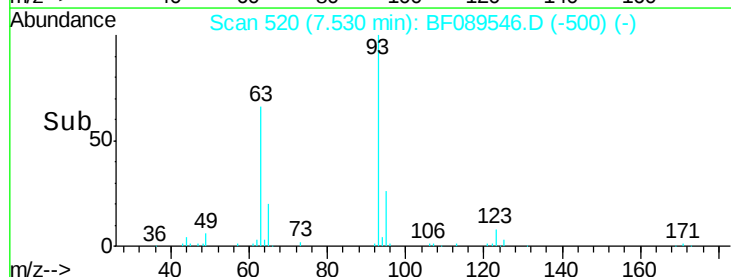


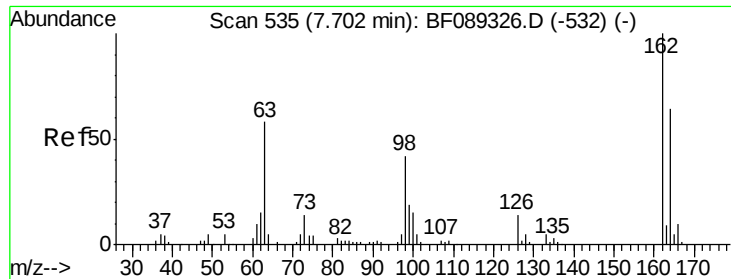
#28
 bis(2-Chloroethoxy)methane
 Concen: 53.68 ng
 RT: 7.53 min Scan# 520
 Delta R.T. -0.07 min
 Lab File: BF089546.D
 Acq: 2 Aug 2016 14:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.2	24.7	37.1
123	9.1	7.5	11.3



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 123.00 (122.70 to 123.70): E

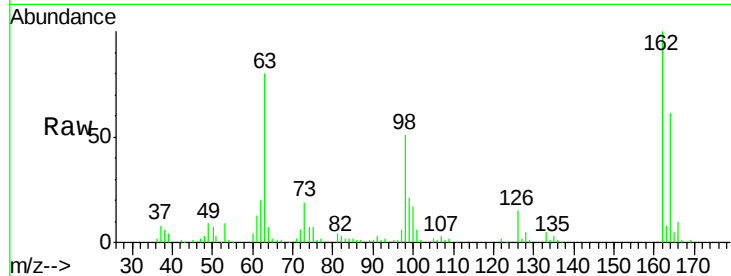




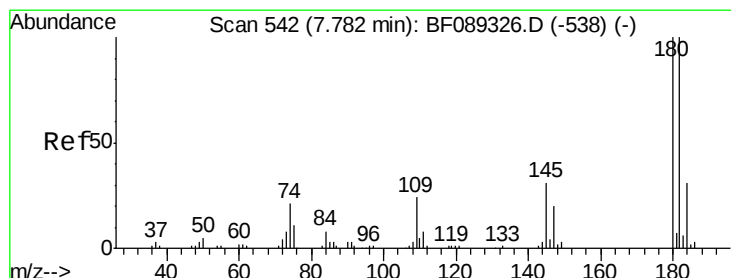
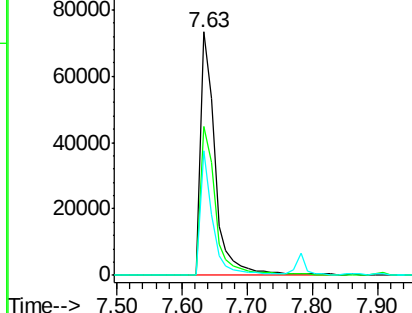
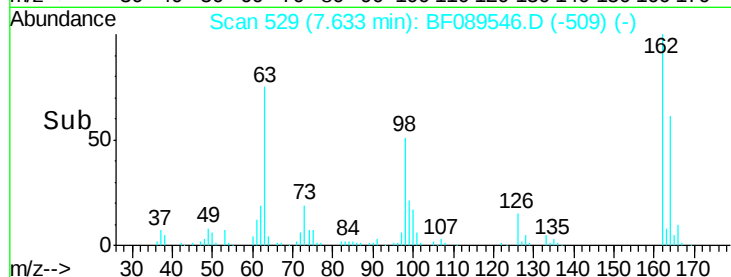
#29
 2,4-Dichlorophenol
 Concen: 56.05 ng
 RT: 7.63 min Scan# 529
 Delta R.T. -0.07 min
 Lab File: BF089546.D
 Acq: 2 Aug 2016 14:43

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

Tgt Ion:162 Resp: 113979
 Ion Ratio Lower Upper
 162 100
 164 61.3 44.0 84.0
 98 50.9 21.8 61.8

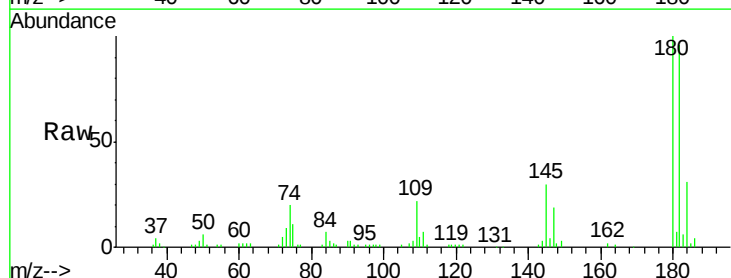


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

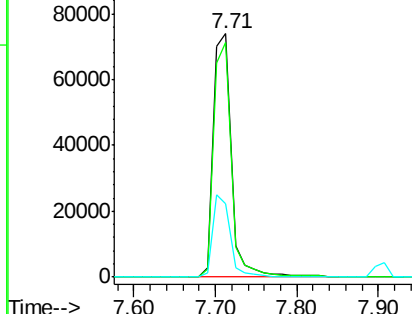
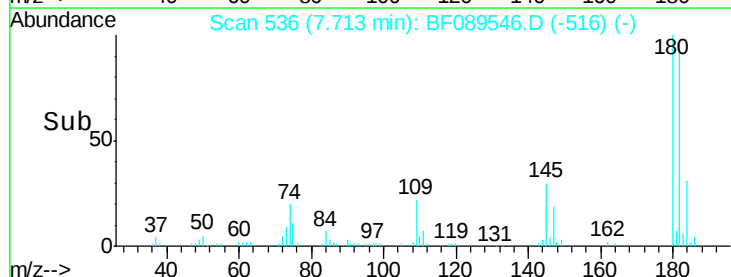


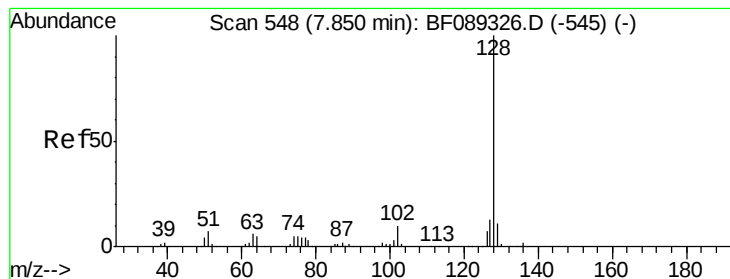
#30
 1,2,4-Trichlorobenzene
 Concen: 49.37 ng
 RT: 7.71 min Scan# 536
 Delta R.T. -0.07 min
 Lab File: BF089546.D
 Acq: 2 Aug 2016 14:43

Tgt Ion:180 Resp: 114542
 Ion Ratio Lower Upper
 180 100
 182 96.4 78.2 117.2
 145 30.3 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: 50.56 ng

RT: 7.78 min Scan# 542

Delta R.T. -0.07 min

Lab File: BF089546.D

Acq: 2 Aug 2016 14:43

Instrument :

BNA_F

ClientSampleId :

SB-52-13.0-14.0MS

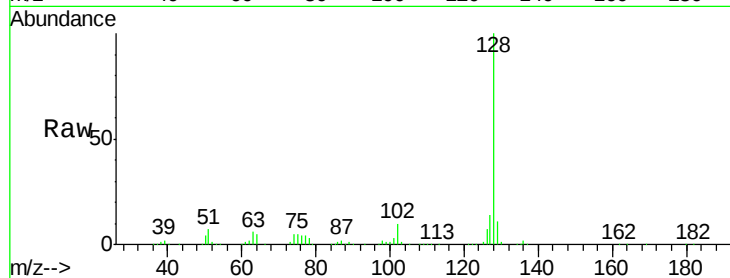
Tgt Ion:128 Resp: 406862

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

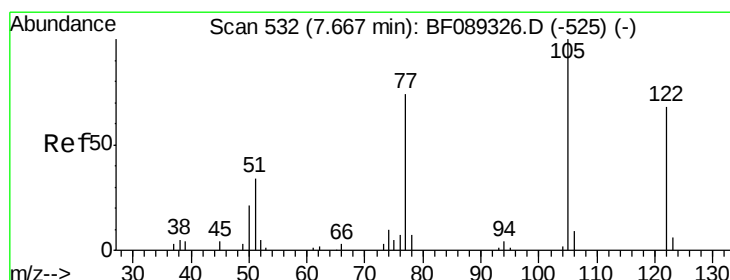
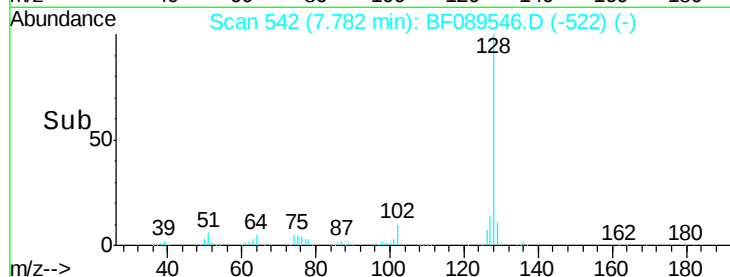
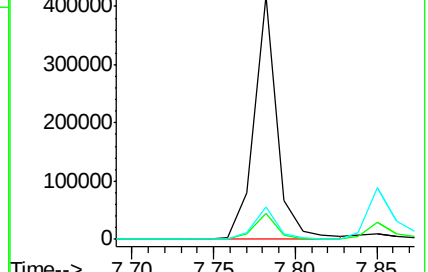
127 13.5 10.8 16.2



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: 10.81 ng

RT: 7.58 min Scan# 524

Delta R.T. -0.09 min

Lab File: BF089546.D

Acq: 2 Aug 2016 14:43

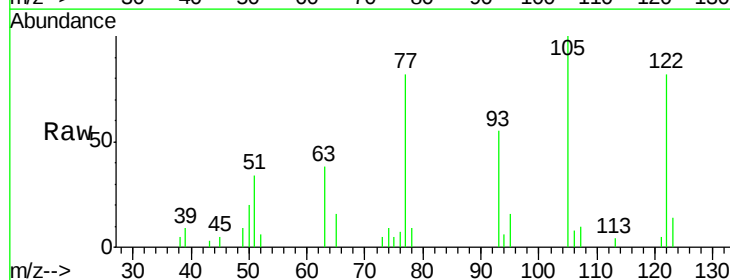
Tgt Ion:122 Resp: 16812

Ion Ratio Lower Upper

122 100

105 122.1 106.4 146.4

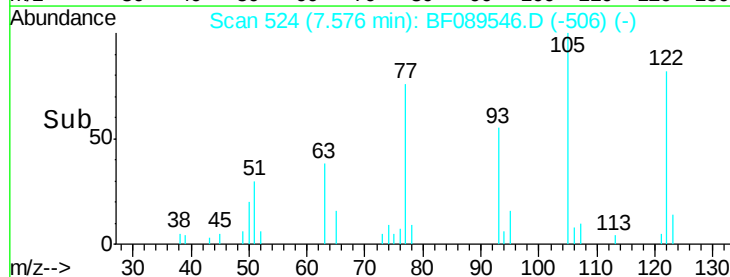
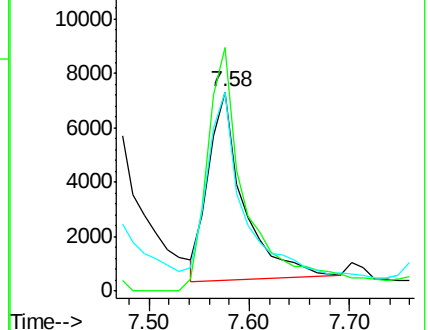
77 99.9 76.4 116.4

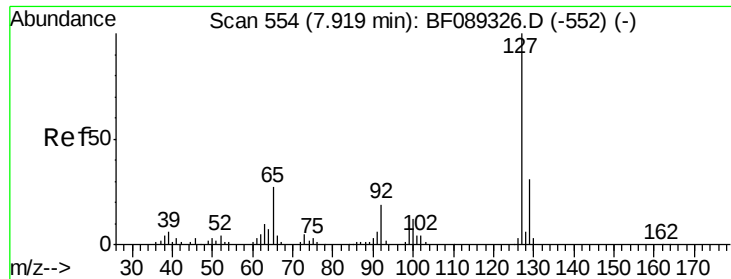


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

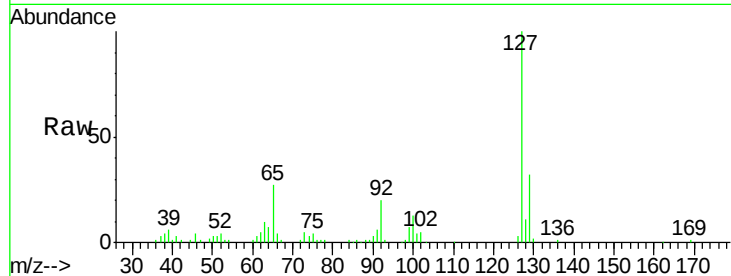




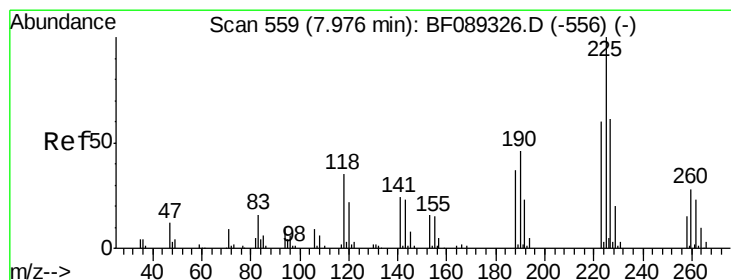
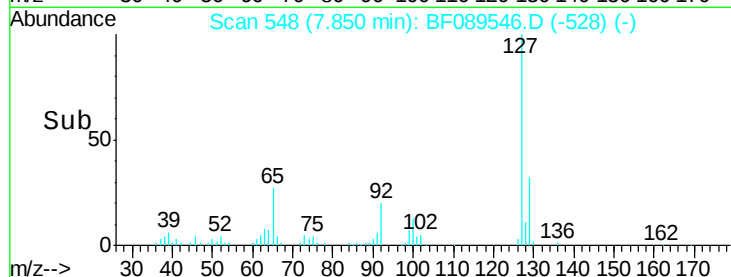
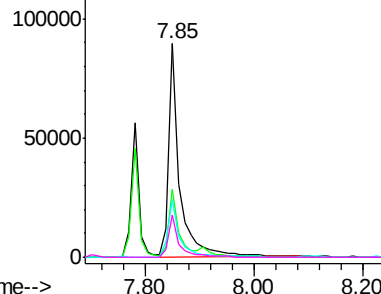
#33
4-Chloroaniline
Concen: 40.37 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.07 min
Lab File: BF089546.D
Acq: 2 Aug 2016 14:43

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

Tgt Ion:	127	Resp:	123670
Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.1	39.1
65	27.2	22.0	33.0
92	19.5	15.2	22.8

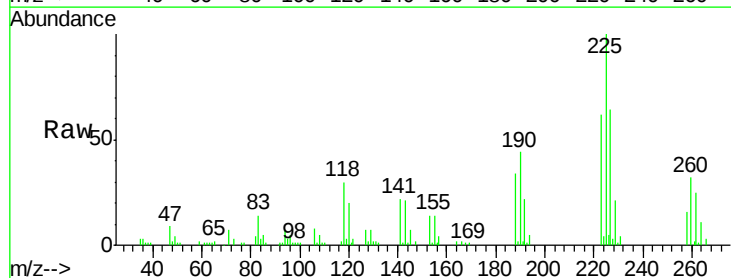


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

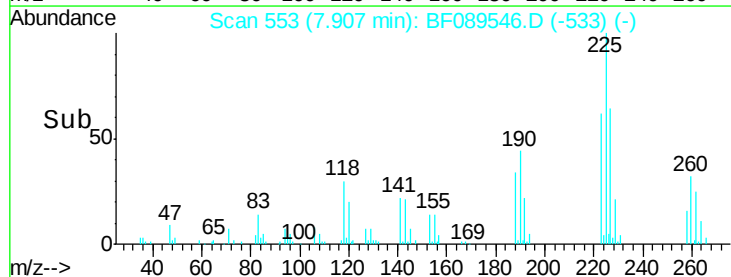
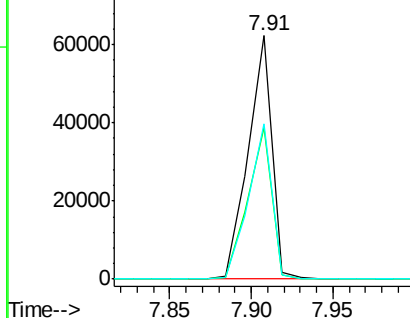


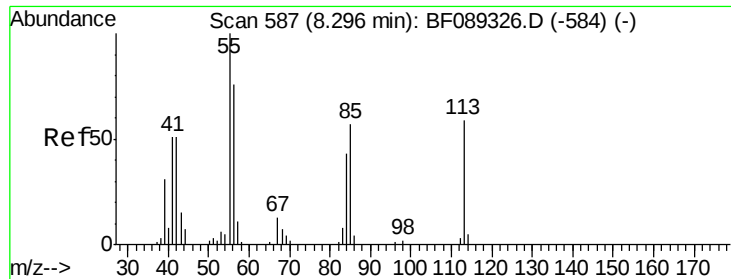
#34
Hexachlorobutadiene
Concen: 47.14 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.07 min
Lab File: BF089546.D
Acq: 2 Aug 2016 14:43

Tgt Ion:	225	Resp:	62646
Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.8	74.8
227	63.7	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

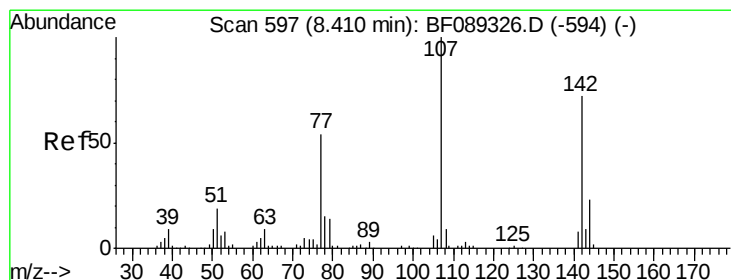
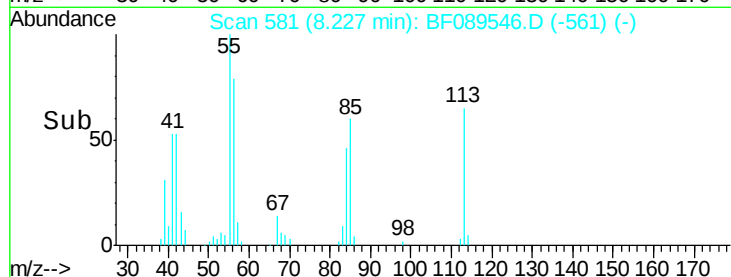
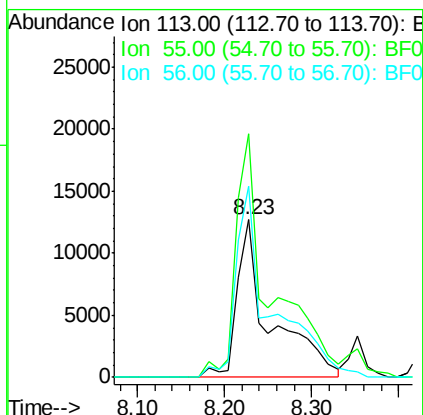
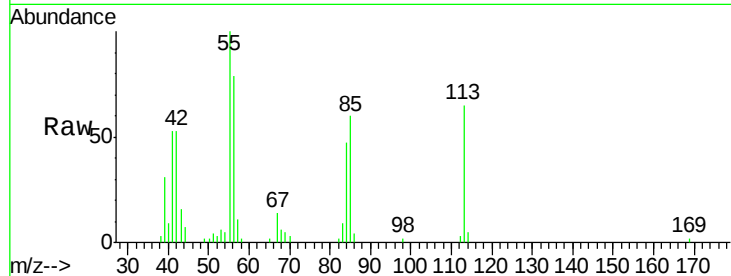




#35
 Caprolactam
 Concen: 54.53 ng
 RT: 8.23 min Scan# 581
 Delta R.T. -0.07 min
 Lab File: BF089546.D
 Acq: 2 Aug 2016 14:43

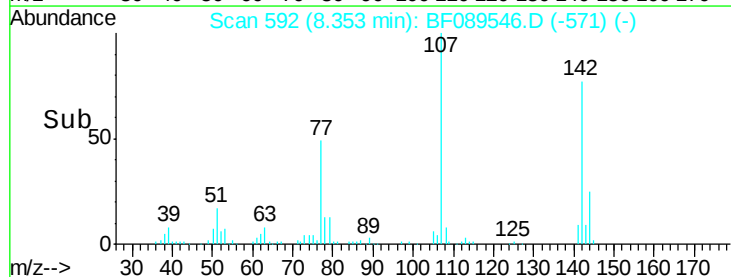
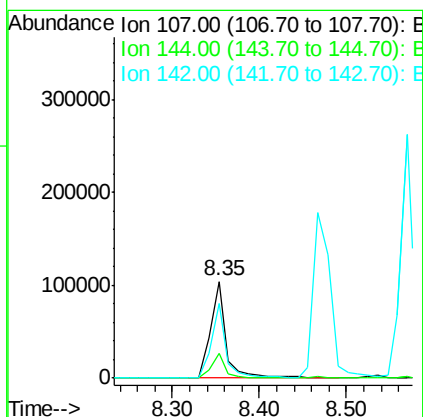
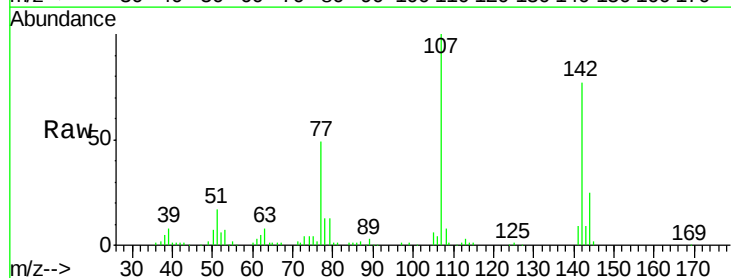
Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MS

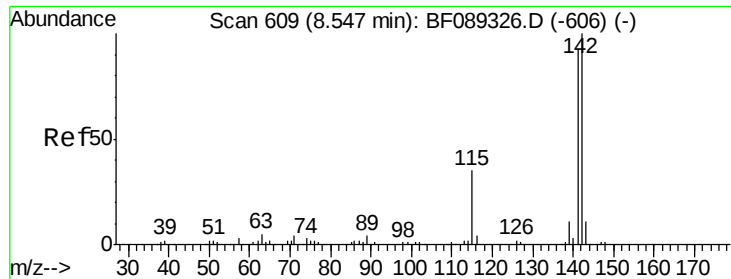
Tgt Ion:113 Resp: 33470
 Ion Ratio Lower Upper
 113 100
 55 154.8 142.3 182.3
 56 121.9 105.8 145.8



#36
 4-Chloro-3-methylphenol
 Concen: 53.89 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.06 min
 Lab File: BF089546.D
 Acq: 2 Aug 2016 14:43

Tgt Ion:107 Resp: 130257
 Ion Ratio Lower Upper
 107 100
 144 25.0 18.4 27.6
 142 77.1 58.6 87.8

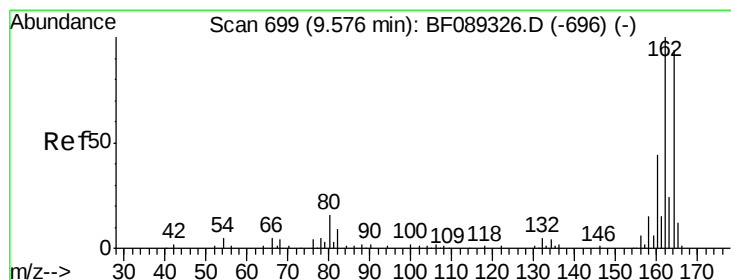
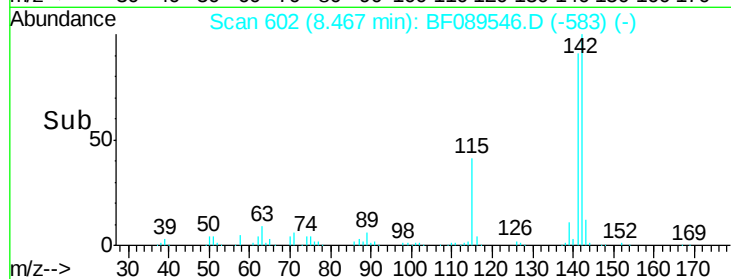
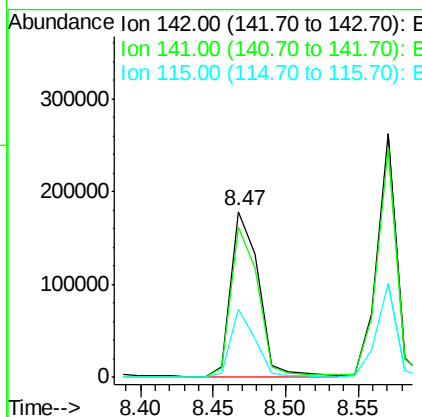
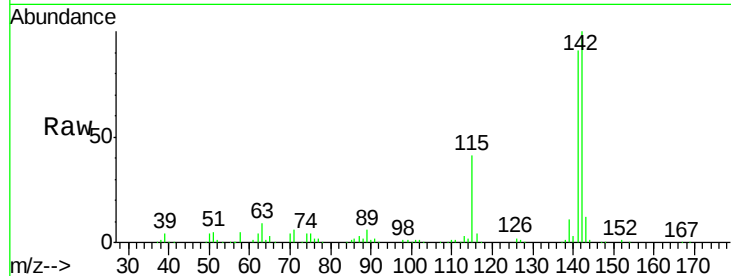




#37
 2-Methylnaphthalene
 Concen: 49.27 ng
 RT: 8.47 min Scan# 602
 Delta R.T. -0.08 min
 Lab File: BF089546.D
 Acq: 2 Aug 2016 14:43

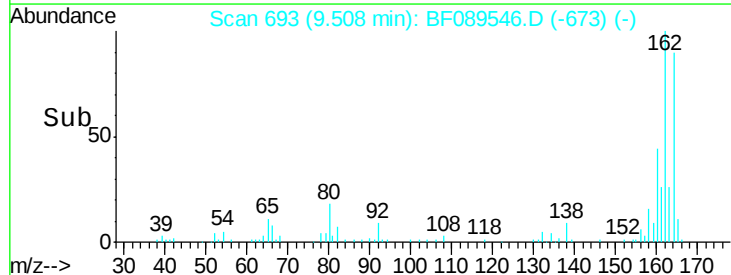
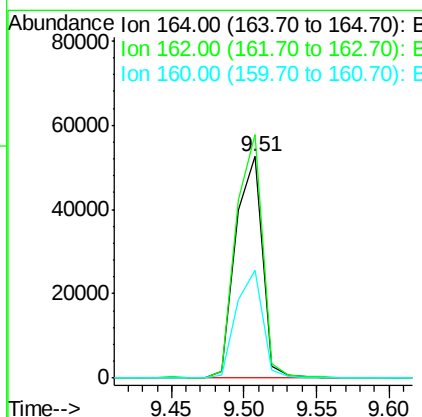
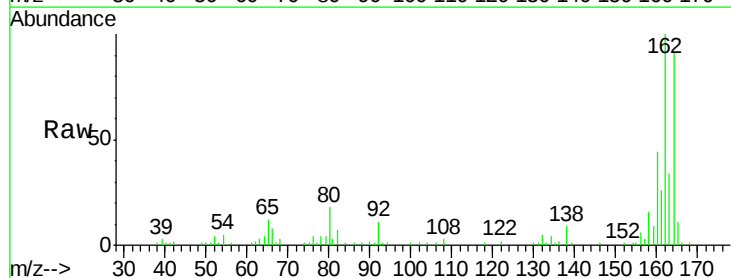
Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.0-14.0MS

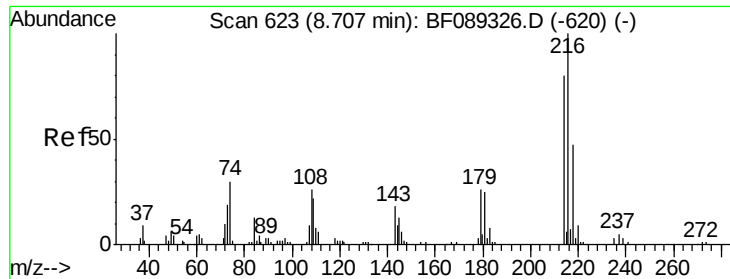
Tgt Ion:142 Resp: 238885
 Ion Ratio Lower Upper
 142 100
 141 90.8 70.9 106.3
 115 40.9 27.6 41.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.51 min Scan# 693
 Delta R.T. -0.07 min
 Lab File: BF089546.D
 Acq: 2 Aug 2016 14:43

Tgt Ion:164 Resp: 67004
 Ion Ratio Lower Upper
 164 100
 162 109.9 83.7 125.5
 160 48.6 37.8 56.6

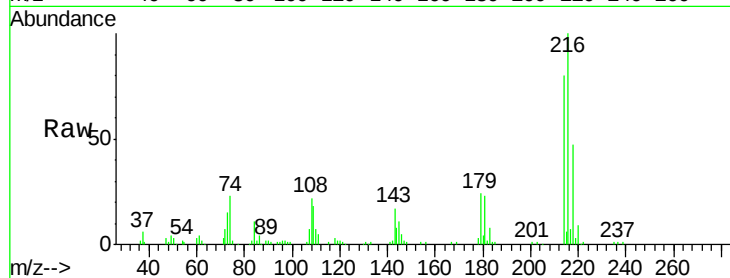




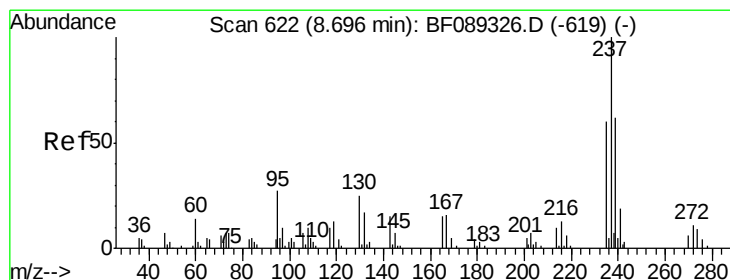
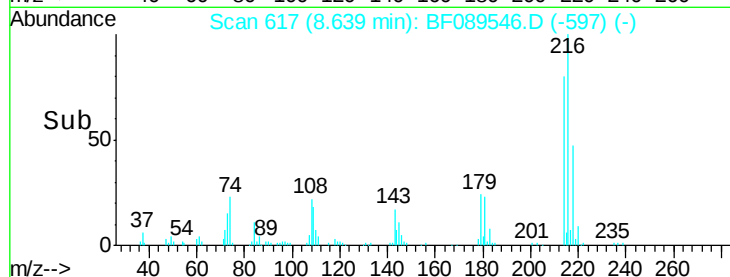
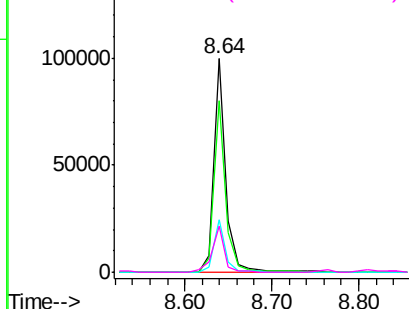
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.45 ng
 RT: 8.64 min Scan# 617
 Delta R.T. -0.07 min
 Lab File: BF089546.D
 Acq: 2 Aug 2016 14:43

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

Tgt Ion:	216	Resp:	97188
Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.3	94.9
179	23.1	18.1	27.1
108	22.2	17.2	25.8

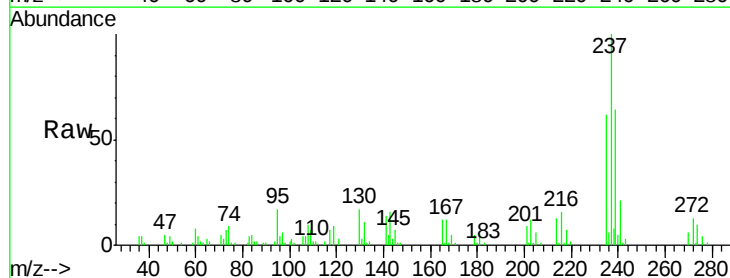


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E



#40
 Hexachlorocyclopentadiene
 Concen: 66.03 ng
 RT: 8.63 min Scan# 616
 Delta R.T. -0.07 min
 Lab File: BF089546.D
 Acq: 2 Aug 2016 14:43

Tgt Ion:	237	Resp:	42963
Ion	Ratio	Lower	Upper
237	100		
235	61.6	41.6	81.6
272	12.5	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

