

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
 Data File : BF088470.D
 Acq On : 28 Jun 2016 00:17
 Operator : UM/SJ
 Sample : H3630-09MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Quant Time: Jun 28 14:24:51 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 19:14:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	59923	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	219232	20.00	ng	0.00
38) Acenaphthene-d10	9.59	164	88517	20.00	ng	0.00
63) Phenanthrene-d10	11.06	188	147187	20.00	ng	0.00
75) Chrysene-d12	13.70	240	86060	20.00	ng	0.01
86) Perylene-d12	15.09	264	78277	20.00	ng	0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.13	112	518288	147.86	ng	0.00
7) Phenol-d6	6.23	99	589580	138.79	ng	-0.01
23) Nitrobenzene-d5	7.13	82	364471	97.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.38	330	110278	117.99	ng	0.00
44) 2-Fluorobiphenyl	8.91	172	602451	108.45	ng	-0.01
78) Terphenyl-d14	12.65	244	406070	107.37	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.99	88	63457	37.26	ng	# 19
3) Pyridine	2.63	79	113813	28.30	ng	91
4) n-Nitrosodimethylamine	2.58	42	72253	42.42	ng	79
6) Aniline	6.25	93	62157m	10.28	ng	
8) 2-Chlorophenol	6.34	128	208230	50.19	ng	88
10) Phenol	6.24	94	259945	60.10	ng	89
11) bis(2-Chloroethyl)ether	6.30	93	245458m	65.90	ng	
12) 1,3-Dichlorobenzene	6.48	146	210270	47.24	ng	99
13) 1,4-Dichlorobenzene	6.56	146	220720	49.22	ng	97
14) 1,2-Dichlorobenzene	6.72	146	199049	48.81	ng	95
15) Benzyl Alcohol	6.72	79	145717	43.85	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.83	45	194006	38.55	ng	81
17) 2-Methylphenol	6.84	107	152098	45.21	ng	# 88
18) Hexachloroethane	7.05	117	81753	51.38	ng	95
19) n-Nitroso-di-n-propylamine	6.98	70	132332	48.69	ng	89
20) 3+4-Methylphenols	7.00	107	194551	49.56	ng	# 78
22) Acetophenone	6.97	105	269089	54.92	ng	# 98
24) Nitrobenzene	7.14	77	190460	52.37	ng	89
25) Isophorone	7.38	82	363806	52.32	ng	# 96
26) 2-Nitrophenol	7.46	139	101793	52.25	ng	# 83
27) 2,4-Dimethylphenol	7.52	122	157193	43.83	ng	91
28) bis(2-Chloroethoxy)methane	7.60	93	215791	50.03	ng	94
29) 2,4-Dichlorophenol	7.72	162	173245	57.85	ng	95
30) 1,2,4-Trichlorobenzene	7.78	180	161835	49.63	ng	98
31) Naphthalene	7.86	128	590088	54.39	ng	100
32) Benzoic acid	7.69	122	40985	20.75	ng	98
33) 4-Chloroaniline	7.94	127	76867	15.87	ng	98
34) Hexachlorobutadiene	7.98	225	90932	52.87	ng	99
35) Caprolactam	8.27	113	89897m	90.62	ng	
36) 4-Chloro-3-methylphenol	8.43	107	147953	46.20	ng	96
37) 2-Methylnaphthalene	8.55	142	323913	45.30	ng	# 96
39) 1,2,4,5-Tetrachlorobenzene	8.72	216	134833	75.81	ng	# 1
42) 2,4,6-Trichlorophenol	8.84	196	91280	51.57	ng	99
43) 2,4,5-Trichlorophenol	8.90	196	81110	44.04	ng	# 89

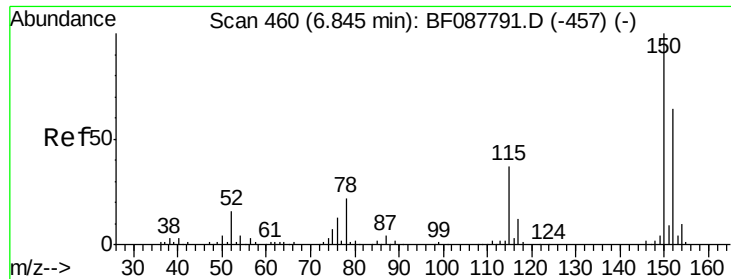
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
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 Operator : UM/SJ
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1'-Biphenyl	9.02	154	382654	59.61	nq	97
46) 2-Chloronaphthalene	9.04	162	300432	52.45	nq	99
47) 2-Nitroaniline	9.15	65	88035	52.10	nq	# 68
48) Acenaphthylene	9.45	152	444064	48.74	nq	99
49) Dimethylphthalate	9.32	163	400179	62.41	nq	100
50) 2,6-Dinitrotoluene	9.39	165	77299	52.64	nq	# 65
51) Acenaphthene	9.62	154	277794	48.87	nq	97
52) 3-Nitroaniline	9.56	138	58193	34.34	nq	# 86
53) 2,4-Dinitrophenol	9.71	184	4220	9.37	nq	# 27
54) Dibenzofuran	9.79	168	399589	51.05	nq	# 90
55) 4-Nitrophenol	9.77	139	46207m	35.13	nq	
56) 2,4-Dinitrotoluene	9.80	165	97654	51.75	nq	94
57) Fluorene	10.14	166	296163	57.31	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.92	232	67438	46.60	nq	# 52
59) Diethylphthalate	10.02	149	374017	57.63	nq	100
60) 4-Chlorophenyl-phenylether	10.12	204	133828	51.41	nq	96
61) 4-Nitroaniline	10.18	138	70783	44.04	nq	98
62) Azobenzene	10.28	77	307704	47.94	nq	95
64) 4,6-Dinitro-2-methylphenol	10.22	198	9589	12.13	nq	# 63
65) n-Nitrosodiphenylamine	10.25	169	299074	61.24	nq	98
66) 4-Bromophenyl-phenylether	10.60	248	75515	47.82	nq	# 69
67) Hexachlorobenzene	10.67	284	74144	45.19	nq	90
68) Atrazine	10.79	200	75020	50.73	nq	93
69) Pentachlorophenol	10.88	266	62342	72.08	nq	96
70) Phenanthrene	11.08	178	391730	50.72	nq	99
71) Anthracene	11.14	178	397086	50.97	nq	98
72) Carbazole	11.30	167	374645	51.39	nq	99
73) Di-n-butylphthalate	11.63	149	425567	46.11	nq	100
74) Fluoranthene	12.27	202	351814	43.16	nq	98
76) Benzidine	12.42	184	12069	5.06	nq	# 1
77) Pyrene	12.50	202	360997	56.53	nq	99
79) Butylbenzylphthalate	13.13	149	160502	56.85	nq	96
80) Benzo(a)anthracene	13.70	228	248068	50.58	nq	99
81) 3,3'-Dichlorobenzidine	13.66	252	52881	40.10	nq	# 91
82) Chrysene	13.74	228	261481	56.67	nq	98
83) Bis(2-ethylhexyl)phthalate	13.69	149	178849	52.04	nq	# 99
84) Di-n-octyl phthalate	14.31	149	283464	50.76	nq	# 100
85) Indeno(1,2,3-cd)pyrene	16.35	276	237496	55.40	nq	# 100
87) Benzo(b)fluoranthene	14.72	252	243022m	44.54	nq	
88) Benzo(k)fluoranthene	14.74	252	193897m	47.11	nq	
89) Benzo(a)pyrene	15.04	252	217673	49.31	nq	# 84
90) Dibenzo(a,h)anthracene	16.35	278	206855	50.46	nq	# 94
91) Benzo(g,h,i)perylene	16.72	276	199723	47.36	nq	99

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

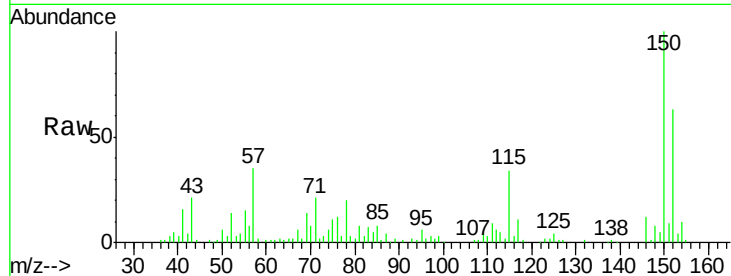


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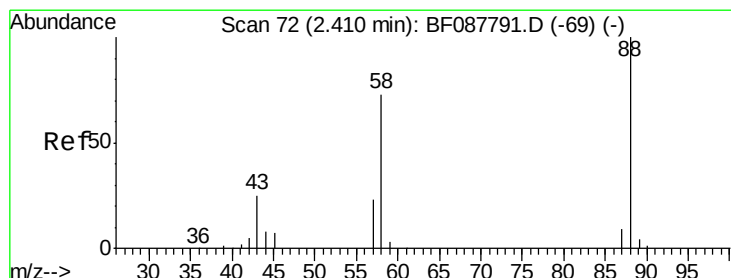
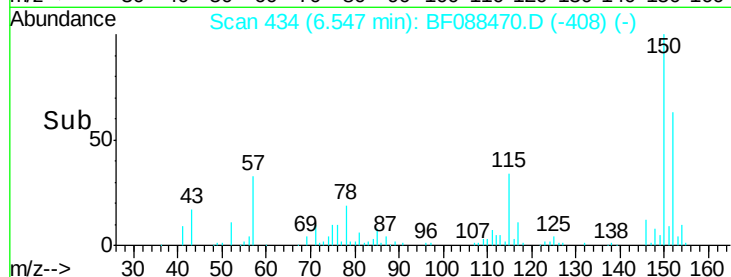
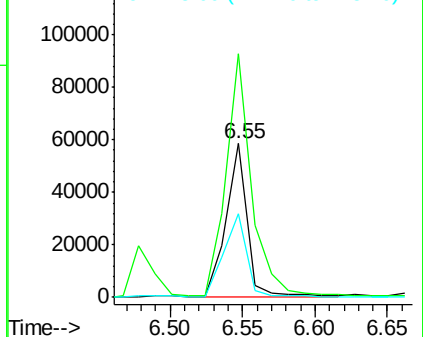
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. 0.00 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tot Ion:152 Resp: 59923
Ion Ratio Lower Upper
152 100
150 158.7 123.8 185.6
115 54.6 39.6 59.4



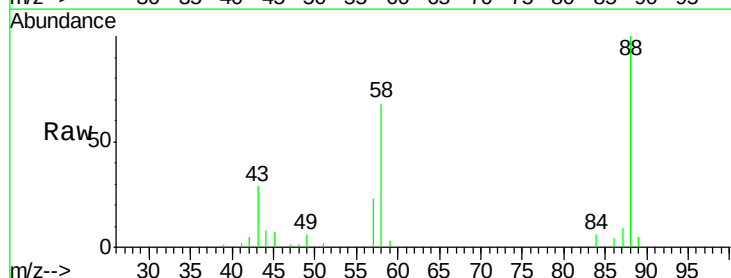
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



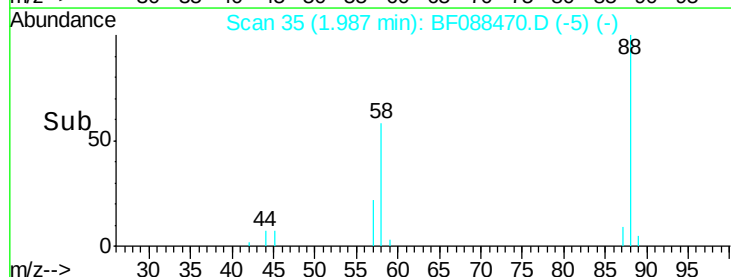
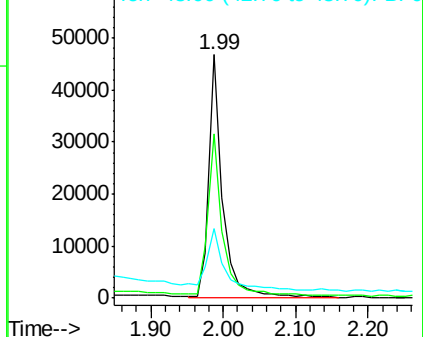
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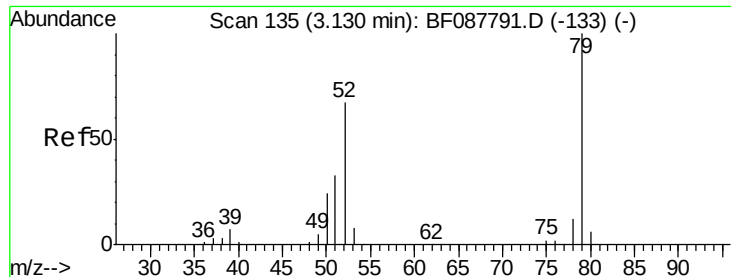
1,4-Dioxane
Concen: 37.26 ng
RT: 1.99 min Scan# 35
Delta R.T. 0.05 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Tgt Ion: 88 Resp: 63457
Ion Ratio Lower Upper
88 100
58 69.9 0.0 0.0#
43 30.9 3.4 5.2#



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: 28.30 ng

RT: 2.63 min Scan# 91

Delta R.T. 0.07 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

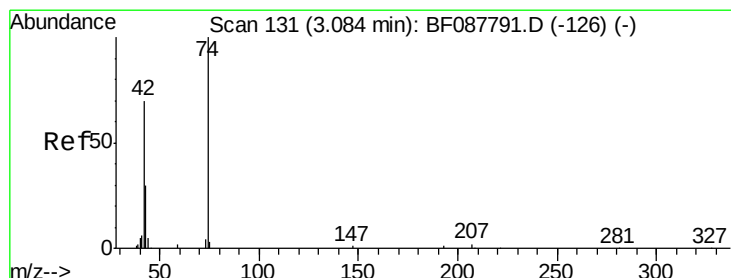
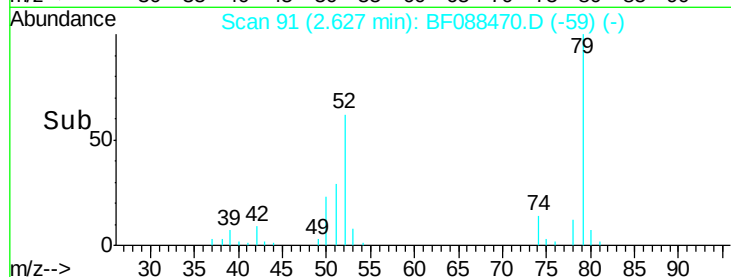
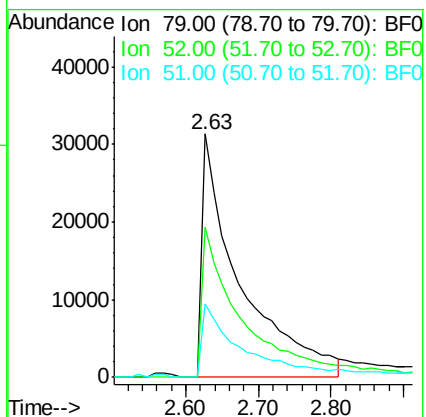
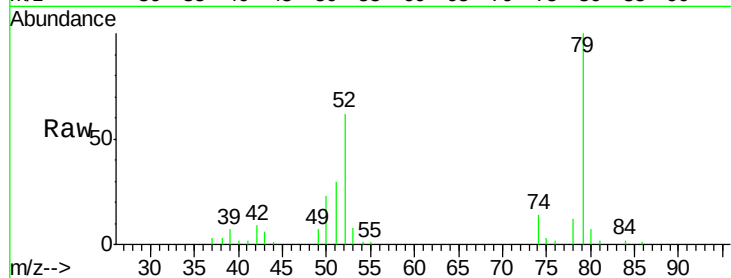
Tot Ion: 79 Resp: 113813

Ion Ratio Lower Upper

79 100

52 61.6 56.3 84.5

51 30.4 27.4 41.2



#4

n-Nitrosodimethylamine

Concen: 42.42 ng

RT: 2.58 min Scan# 87

Delta R.T. 0.03 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

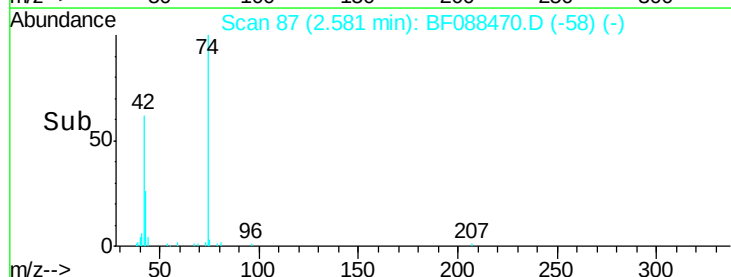
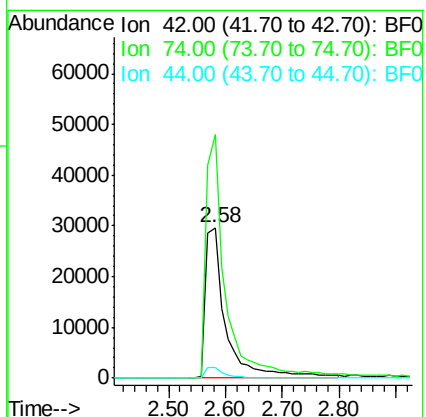
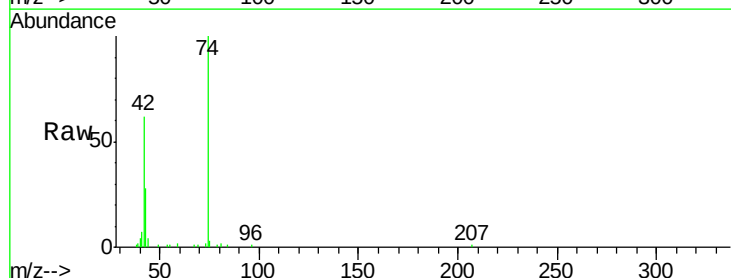
Tgt Ion: 42 Resp: 72253

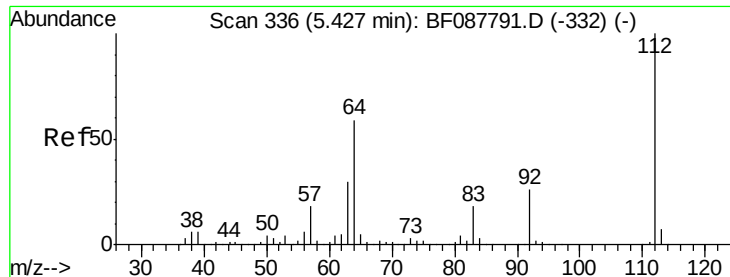
Ion Ratio Lower Upper

42 100

74 161.8 108.6 163.0

44 6.8 5.5 8.3





#5

2-Fluorophenol

Concen: 147.86 ng

RT: 5.13 min Scan# 310

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

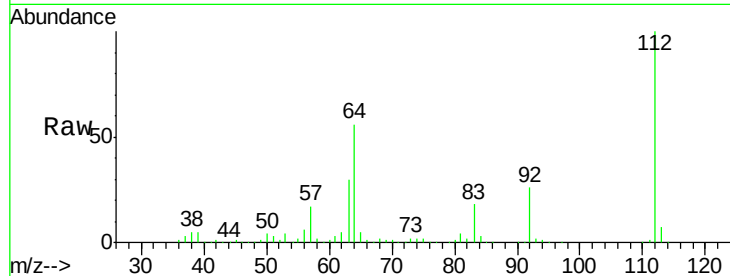
Tot Ion:112 Resp: 518288

Ion Ratio Lower Upper

112 100

64 56.3 42.2 63.2

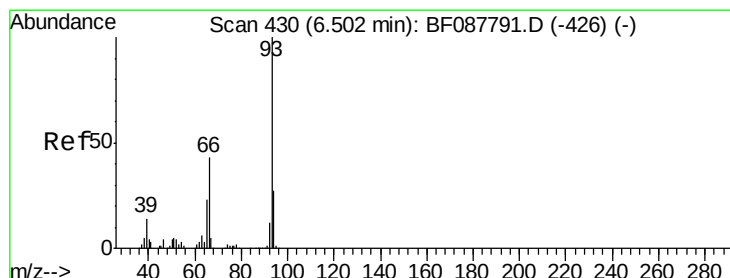
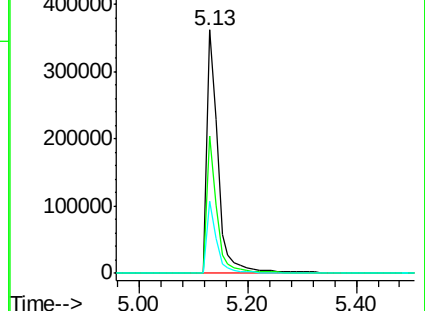
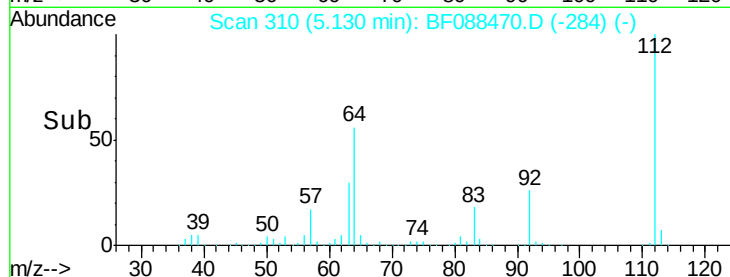
63 29.6 21.8 32.8



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: 10.28 ng m

RT: 6.25 min Scan# 408

Delta R.T. 0.02 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

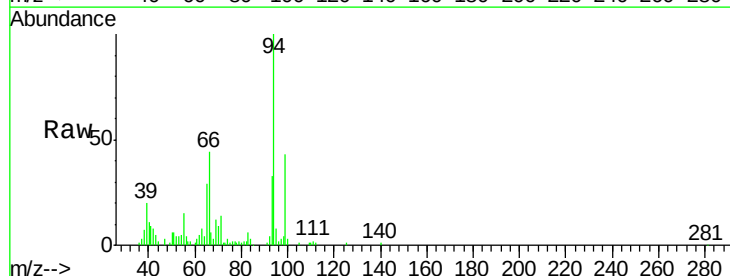
Tgt Ion: 93 Resp: 62157

Ion Ratio Lower Upper

93 100

66 133.2 29.8 44.8#

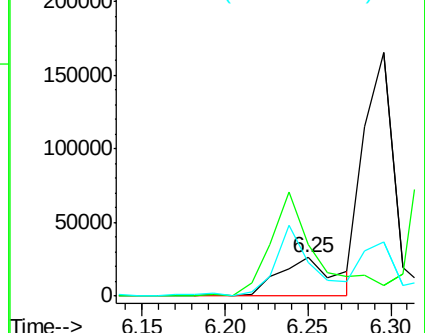
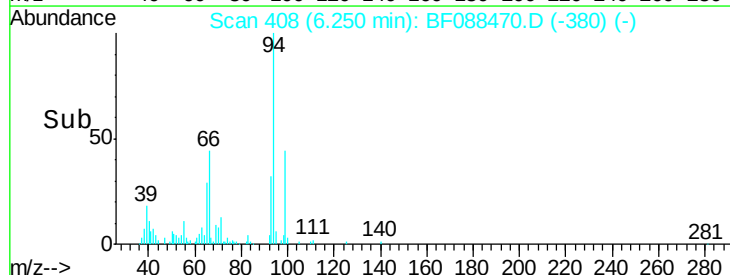
65 87.7 14.9 22.3#

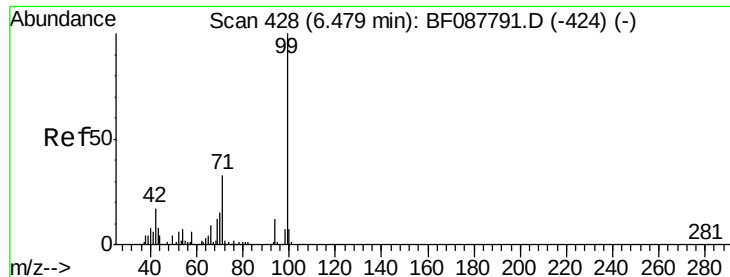


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 138.79 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.01 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

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ClientSampleId :

B1409-TP03E-1224MSD

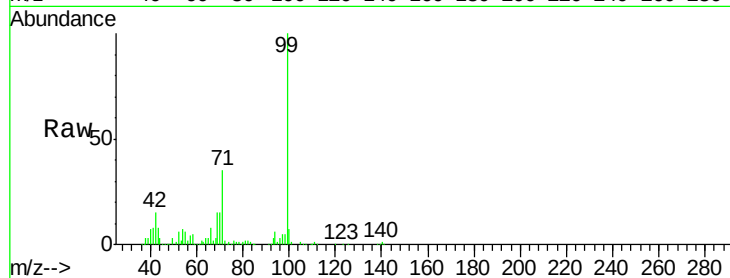
Tot Ion: 99 Resp: 589580

Ion Ratio Lower Upper

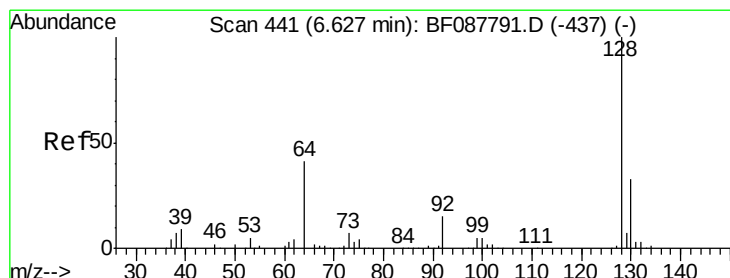
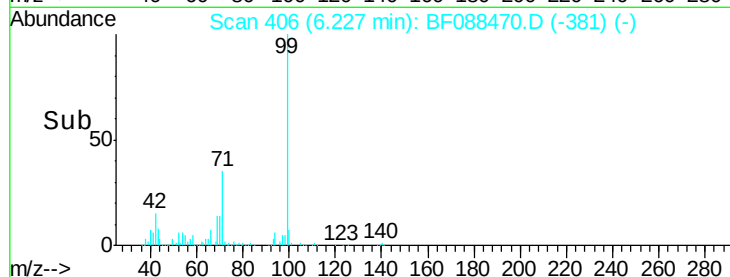
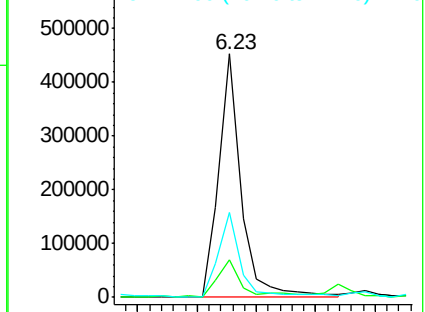
99 100

42 15.5 12.2 18.2

71 34.8 23.4 35.0



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: 50.19 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

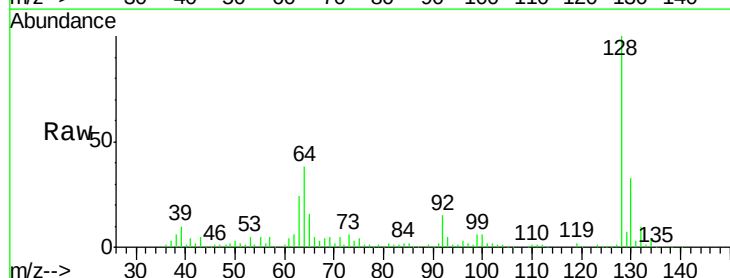
Tgt Ion: 128 Resp: 208230

Ion Ratio Lower Upper

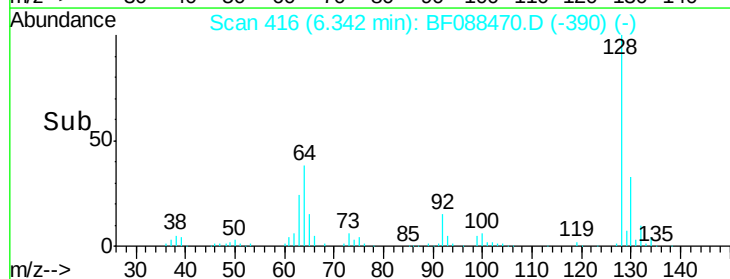
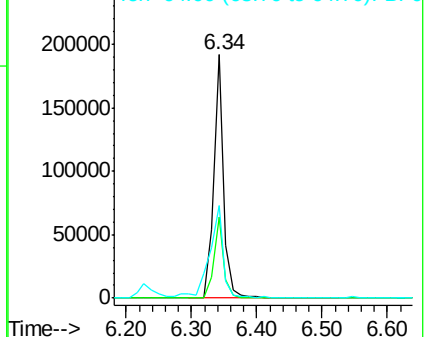
128 100

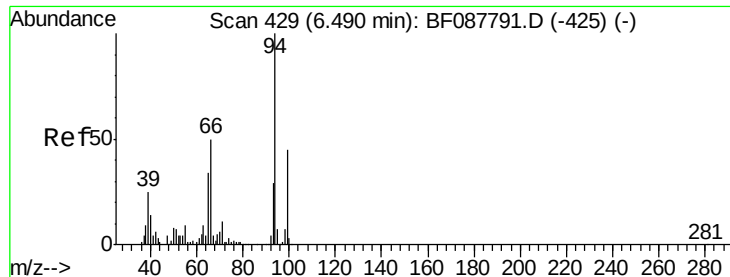
130 33.1 12.0 52.0

64 38.1 30.8 70.8



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





#10

Phenol

Concen: 60.10 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

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B1409-TP03E-1224MSD

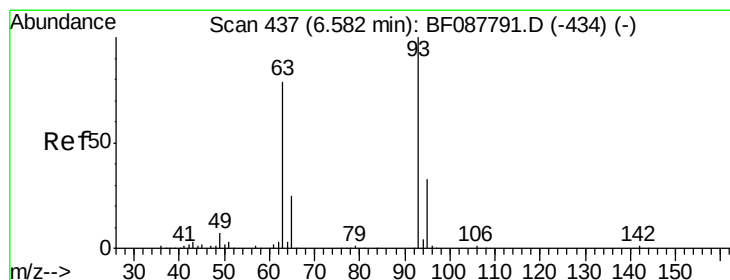
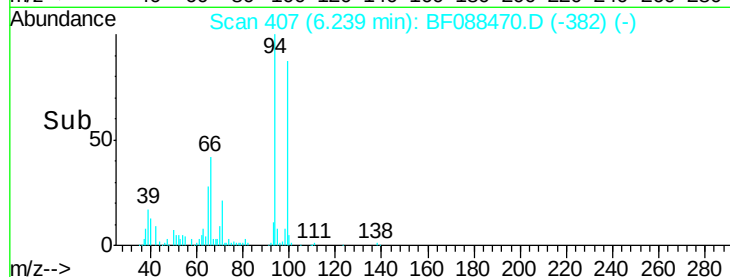
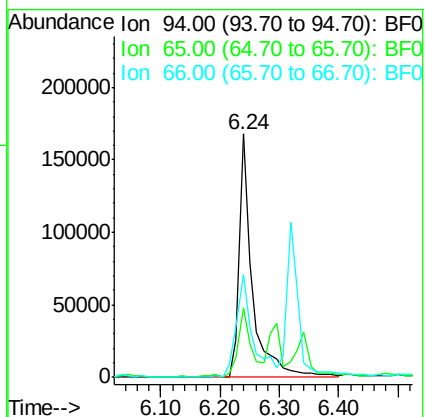
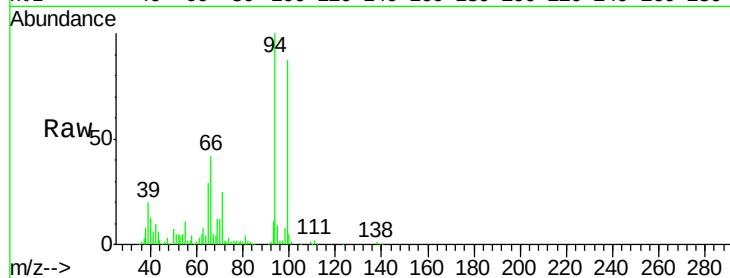
Tot Ion: 94 Resp: 259945

Ion Ratio Lower Upper

94 100

65 28.7 5.9 45.9

66 42.3 14.0 54.0



#11

bis(2-Chloroethyl)ether

Concen: 65.90 ng m

RT: 6.30 min Scan# 412

Delta R.T. -0.01 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

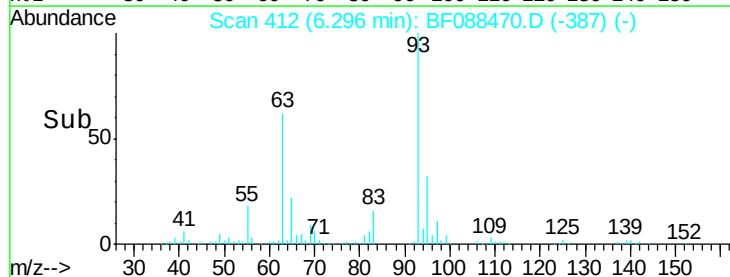
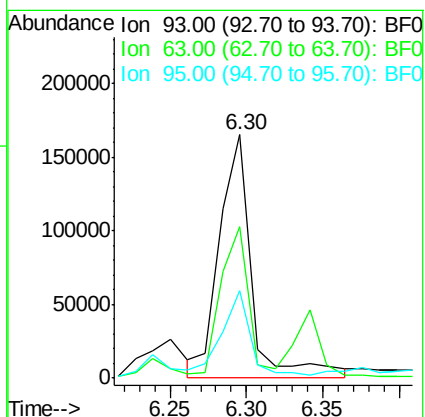
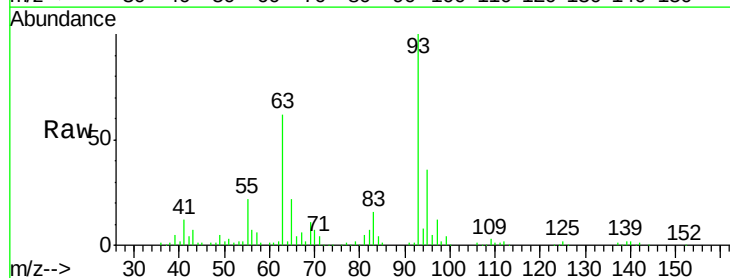
Tgt Ion: 93 Resp: 245458

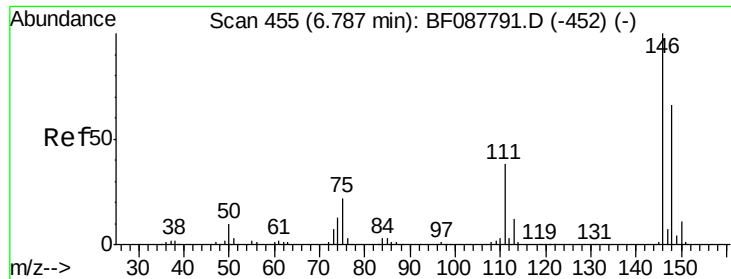
Ion Ratio Lower Upper

93 100

63 62.3 67.6 107.6#

95 35.8 12.5 52.5

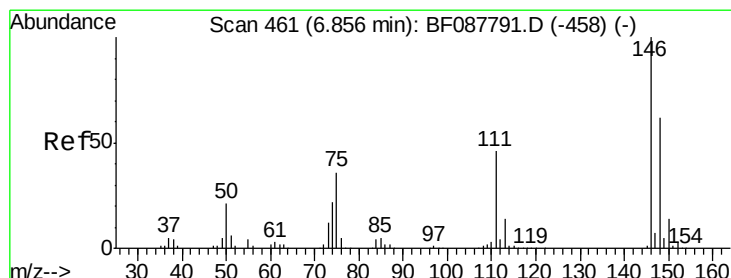
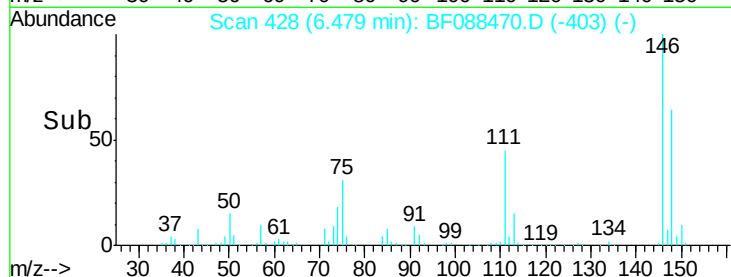
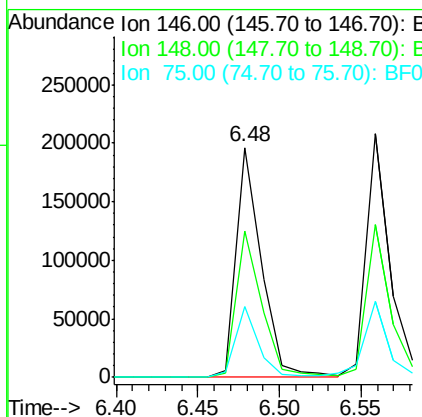
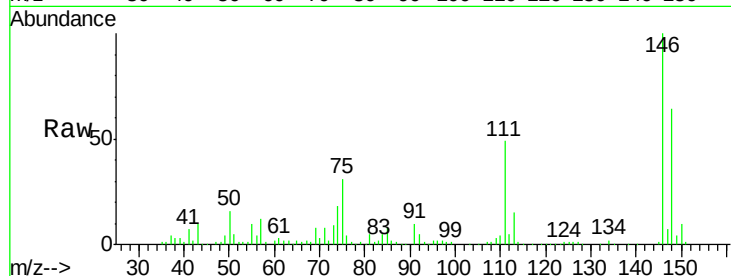




#12
 1,3-Dichlorobenzene
 Concen: 47.24 ng
 RT: 6.48 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

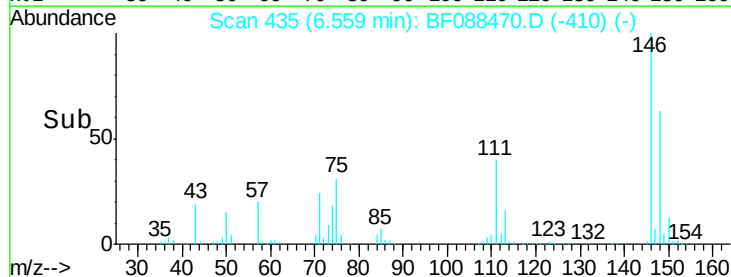
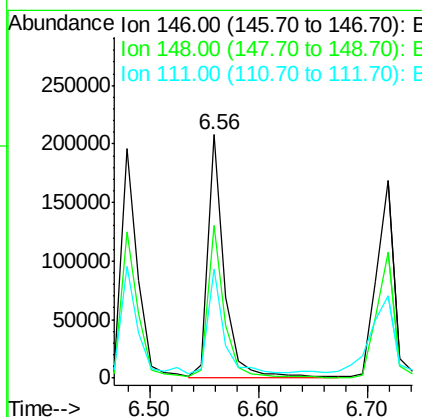
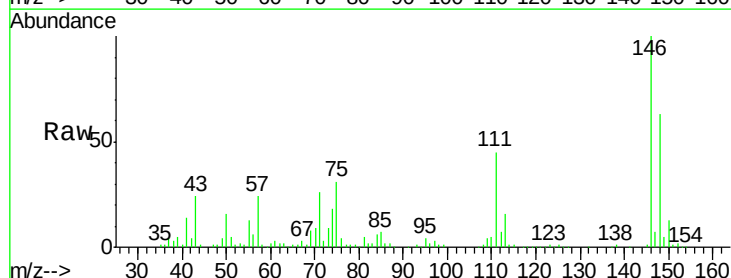
Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

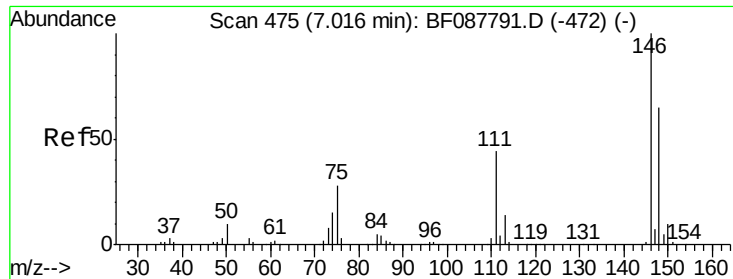
Tot Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.9	76.3
75	30.5	25.6	38.4



#13
 1,4-Dichlorobenzene
 Concen: 49.22 ng
 RT: 6.56 min Scan# 435
 Delta R.T. -0.01 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	52.0	78.0
111	44.9	33.8	50.8

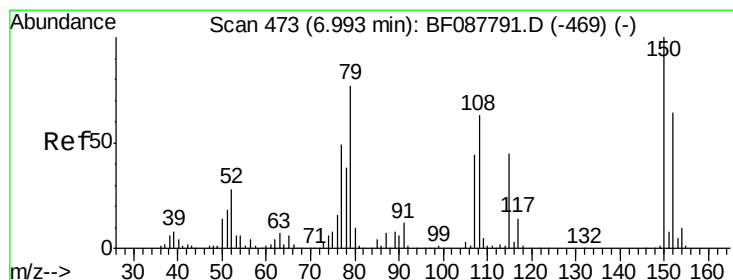
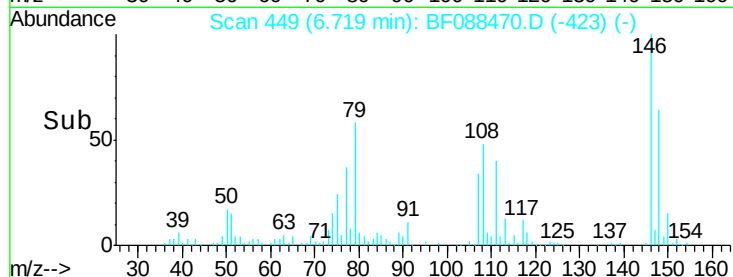
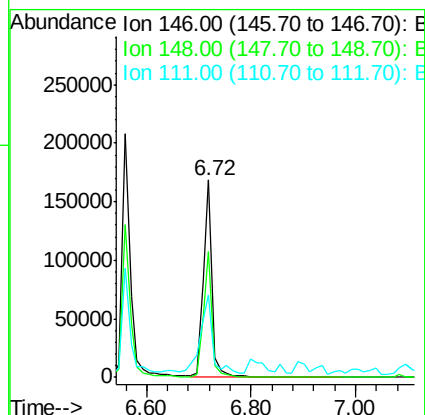
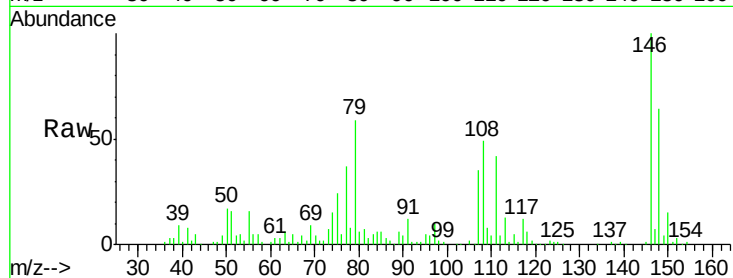




#14
 1,2-Dichlorobenzene
 Concen: 48.81 ng
 RT: 6.72 min Scan# 449
 Delta R.T. 0.00 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

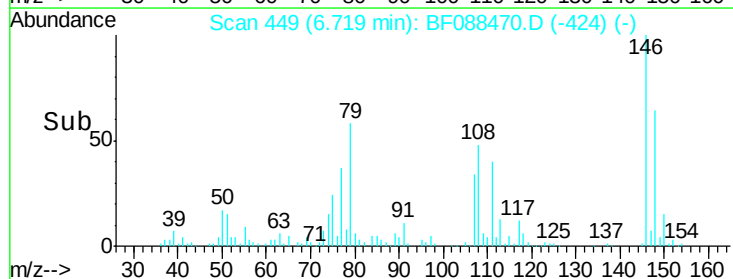
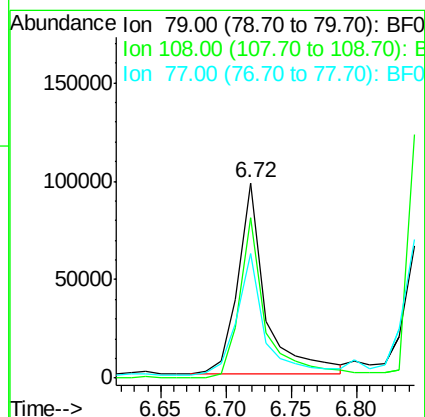
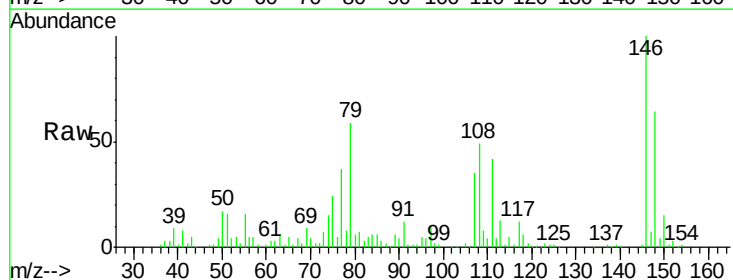
Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

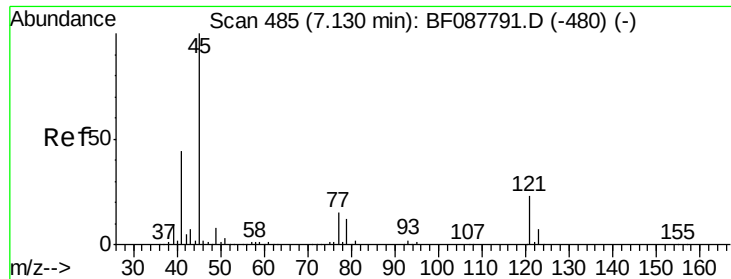
Tot Ion:146 Resp: 199049
 Ion Ratio Lower Upper
 146 100
 148 64.1 52.3 78.5
 111 42.1 28.7 43.1



#15
 Benzyl Alcohol
 Concen: 43.85 ng
 RT: 6.72 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

Tgt Ion: 79 Resp: 145717
 Ion Ratio Lower Upper
 79 100
 108 82.3 65.0 97.6
 77 63.5 50.3 75.5

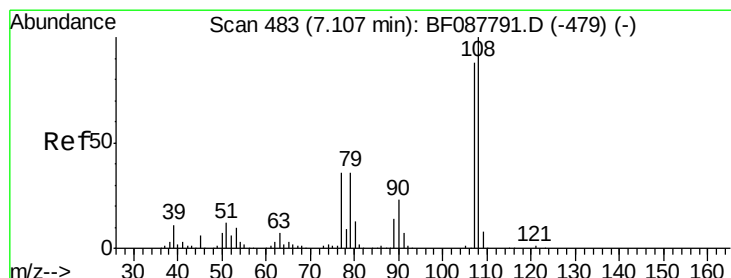
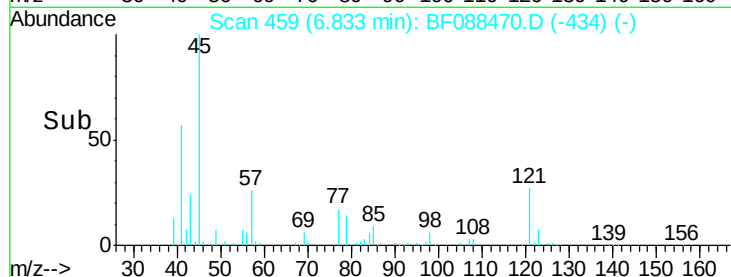
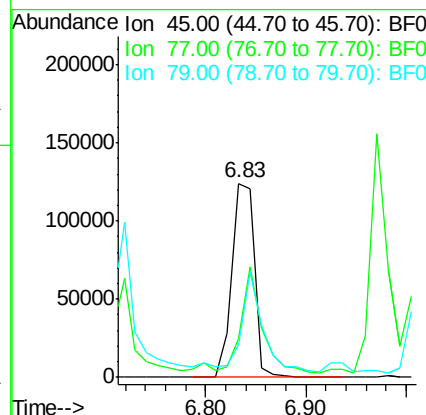
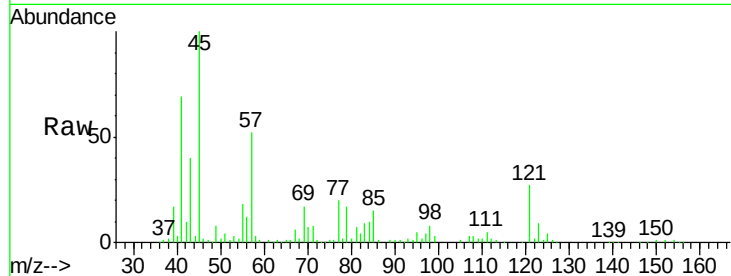




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 38.55 ng
RT: 6.83 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

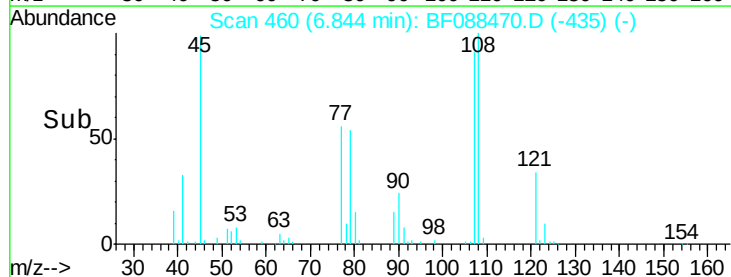
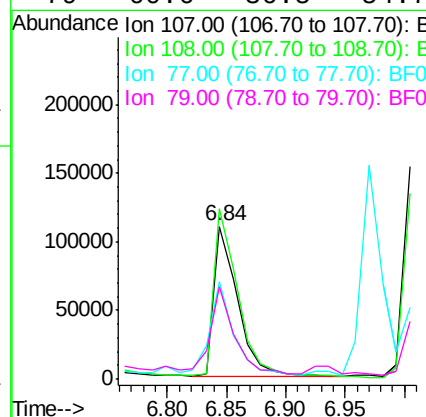
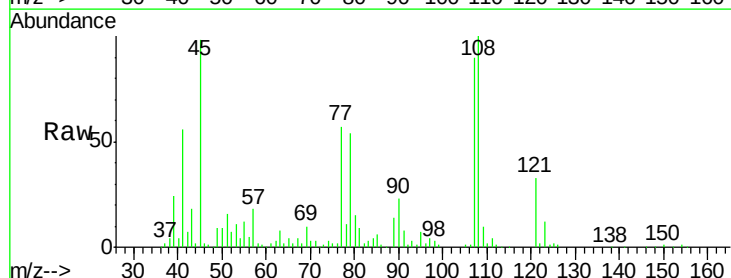
Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

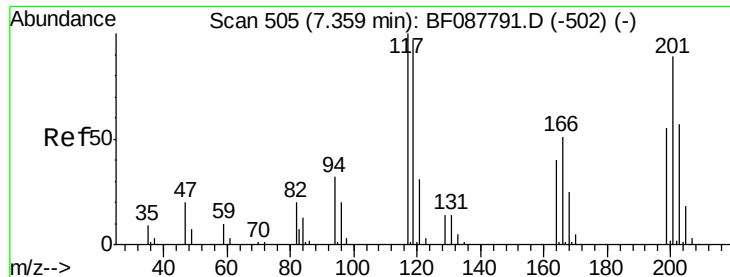
Tot Ion	Ratio	Lower	Upper
45	100		
77	19.9	0.0	32.5
79	16.8	0.0	29.5



#17
2-Methylphenol
Concen: 45.21 ng
RT: 6.84 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Tgt Ion	Ratio	Lower	Upper
107	100		
108	111.2	90.9	136.3
77	63.6	36.6	55.0#
79	60.6	36.5	54.7#

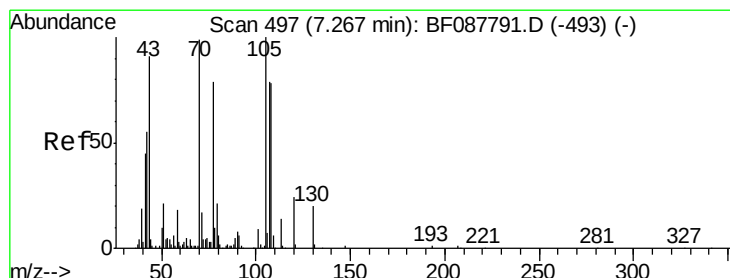
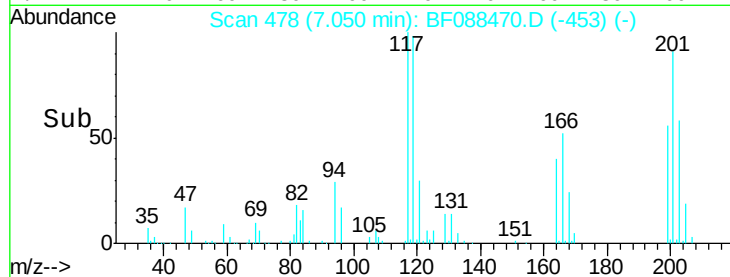
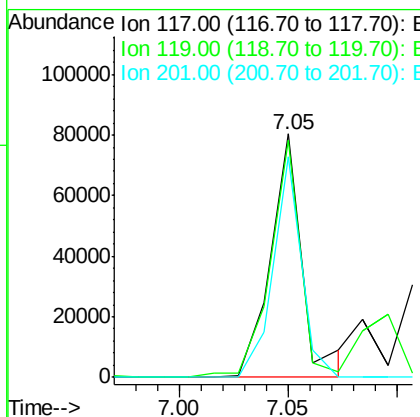
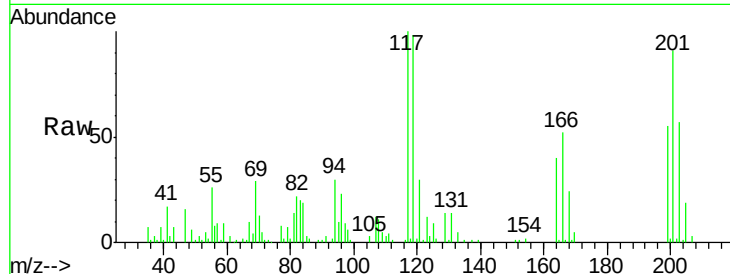




#18
Hexachloroethane
Concen: 51.38 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

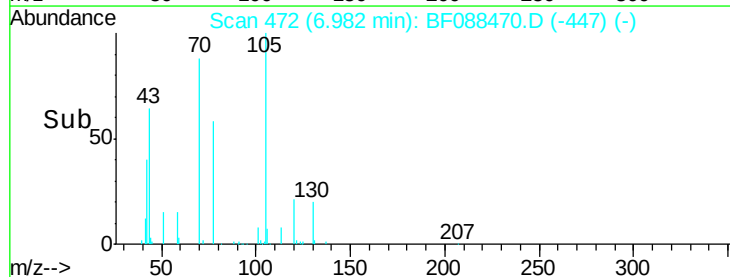
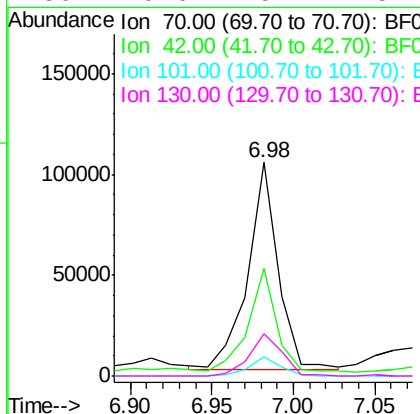
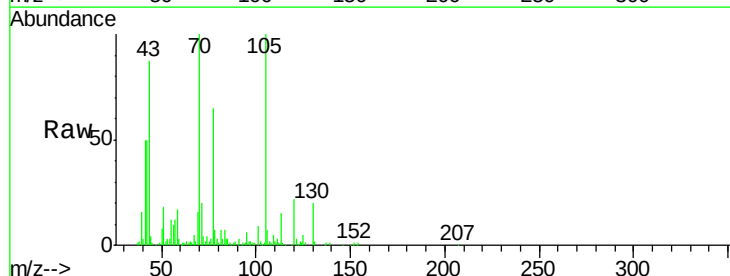
Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

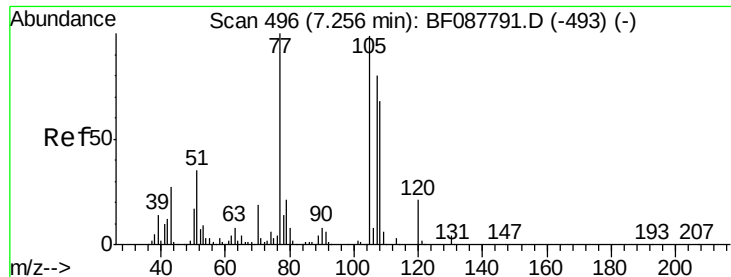
Tot Ion:117 Resp: 81753
Ion Ratio Lower Upper
117 100
119 97.5 77.4 116.2
201 90.6 80.4 120.6



#19
n-Nitroso-di-n-propylamine
Concen: 48.69 ng
RT: 6.98 min Scan# 472
Delta R.T. -0.01 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Tgt Ion: 70 Resp: 132332
Ion Ratio Lower Upper
70 100
42 50.2 49.6 74.4
101 9.0 7.1 10.7
130 19.6 15.4 23.2

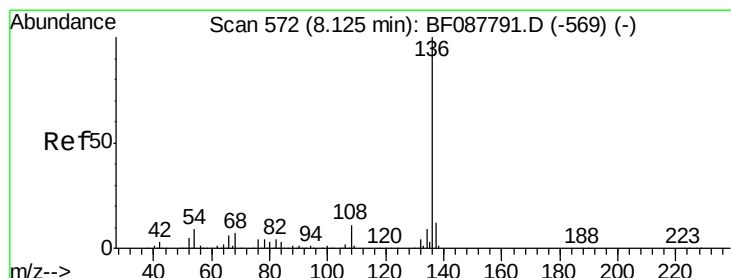
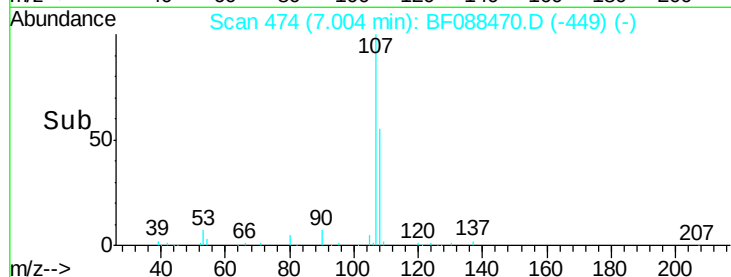
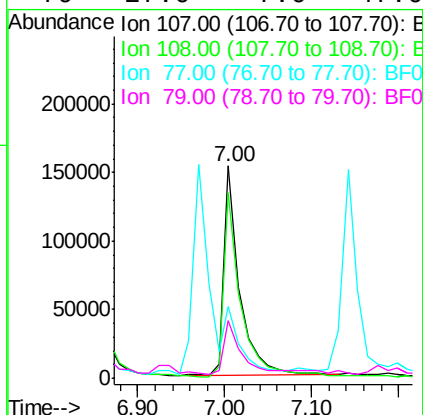
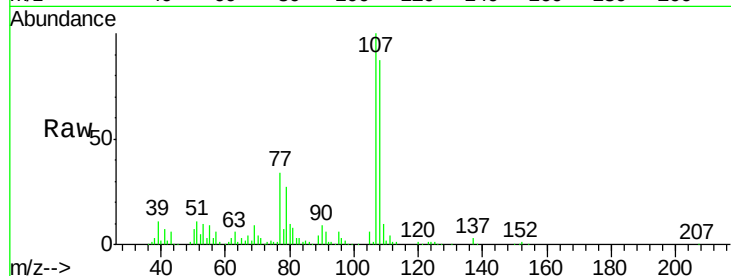




#20
3+4-Methylphenols
Concen: 49.56 ng
RT: 7.00 min Scan# 474
Delta R.T. -0.01 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

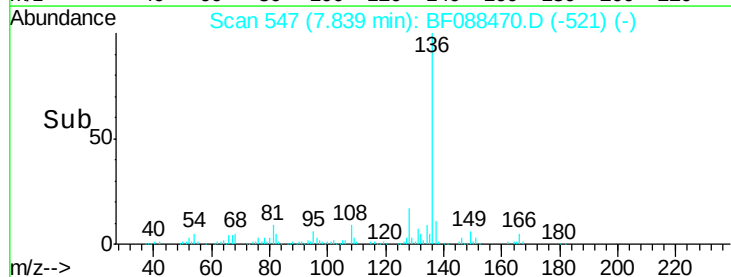
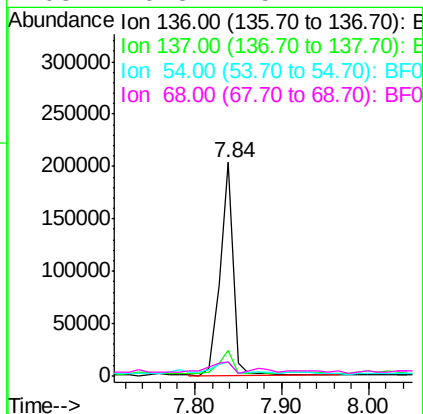
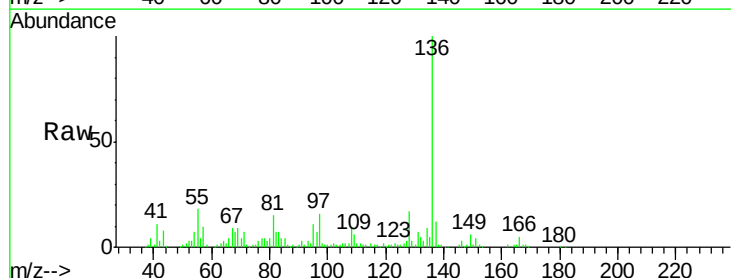
Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

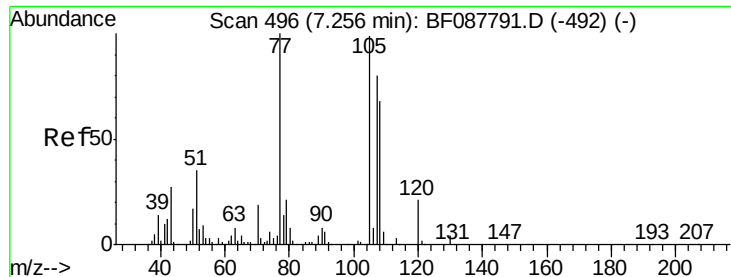
Tot Ion:	107	Resp:	194551
Ion	Ratio	Lower	Upper
107	100		
108	87.3	67.8	107.8
77	33.7	59.3	99.3#
79	27.0	7.0	47.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Tgt Ion:	136	Resp:	219232
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	6.7	6.6	10.0
68	6.8	5.1	7.7





#22

Acetophenone

Concen: 54.92 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.01 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

Tot Ion:105 Resp: 269089

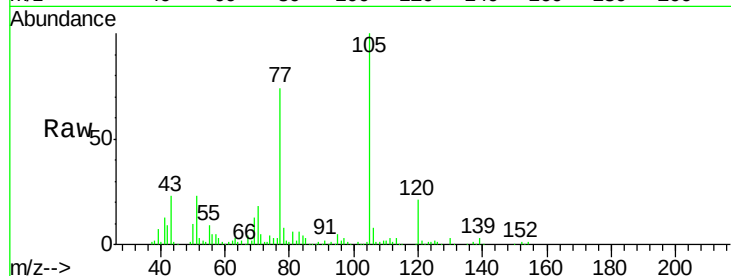
Ion Ratio Lower Upper

105 100

71 4.7 5.3 7.9#

51 22.9 18.2 27.4

120 21.2 18.0 27.0



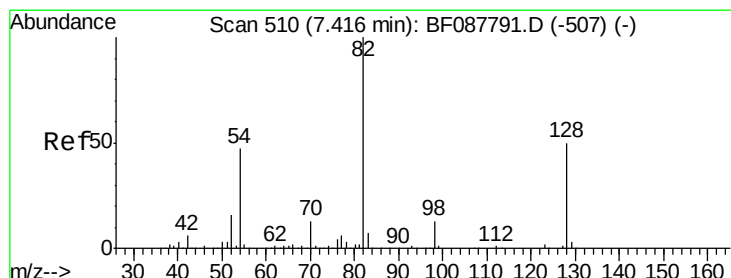
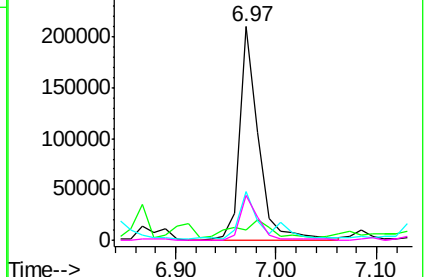
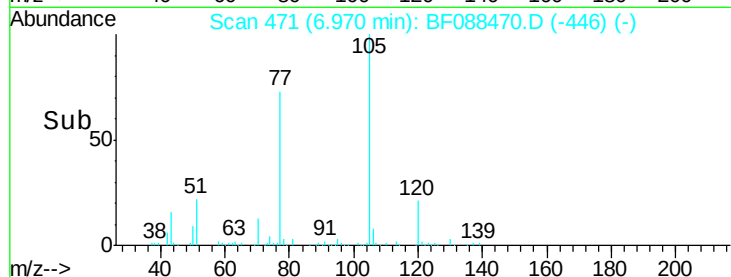
Abundance Ion 105.00 (104.70 to 105.70): E

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

Time-->



#23

Nitrobenzene-d5

Concen: 97.08 ng

RT: 7.13 min Scan# 485

Delta R.T. -0.01 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

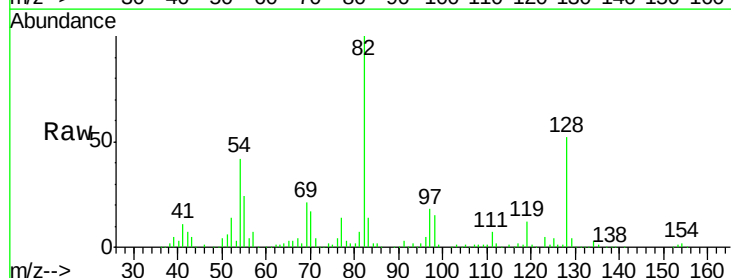
Tgt Ion: 82 Resp: 364471

Ion Ratio Lower Upper

82 100

128 51.8 35.9 53.9

54 42.4 40.9 61.3

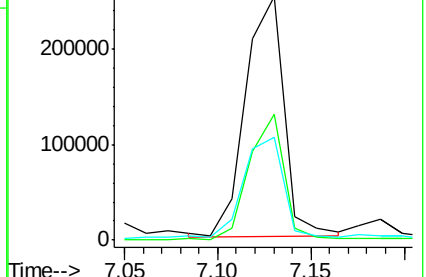
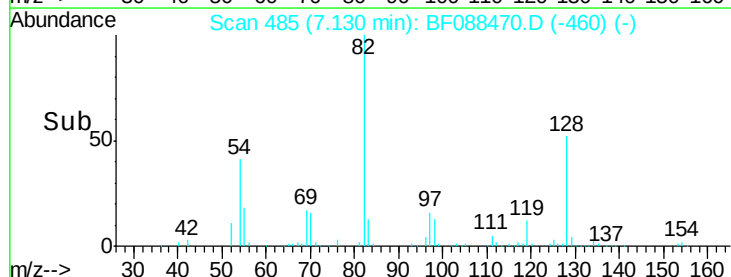


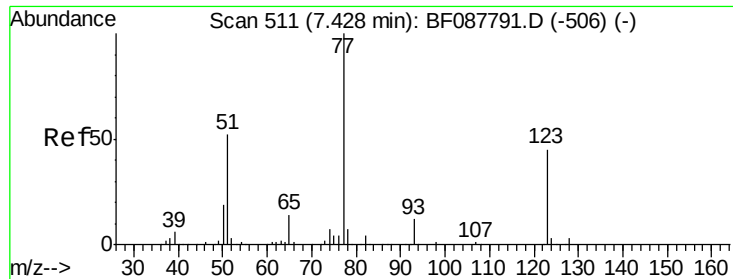
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->

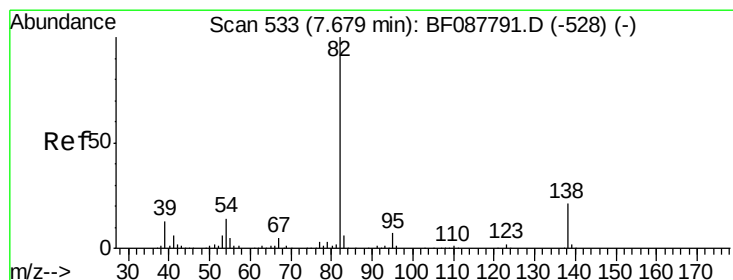
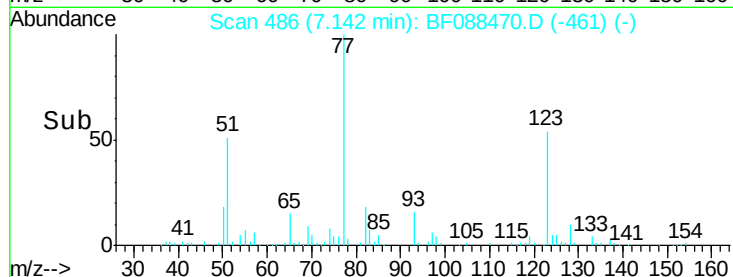
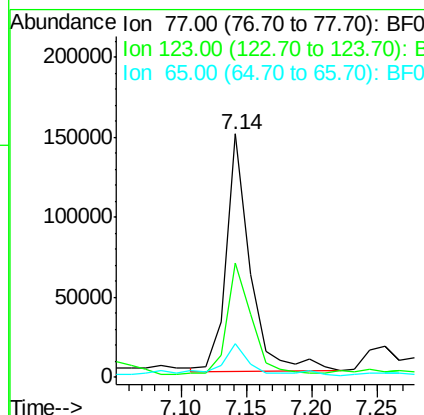
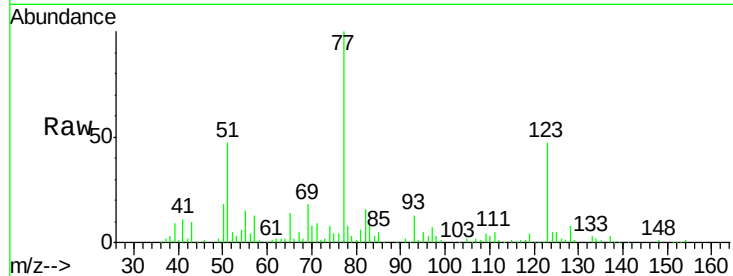




#24
 Nitrobenzene
 Concen: 52.37 ng
 RT: 7.14 min Scan# 486
 Delta R.T. -0.01 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

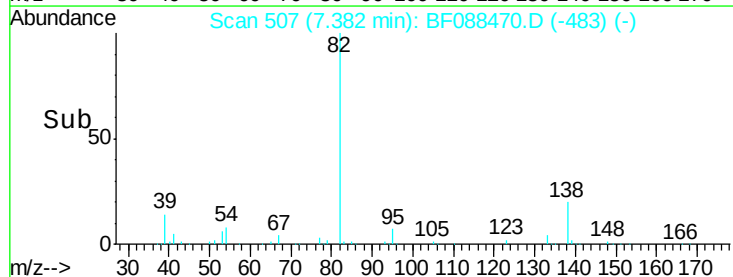
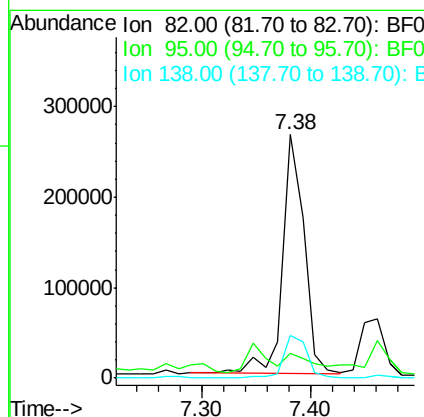
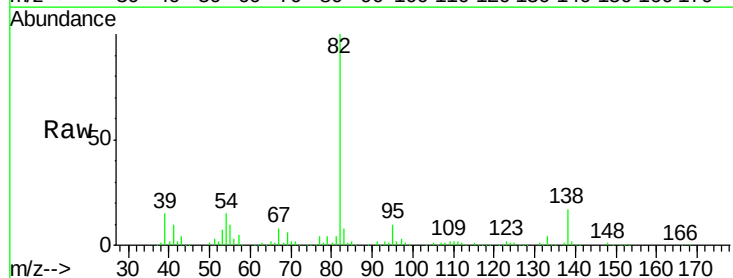
Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

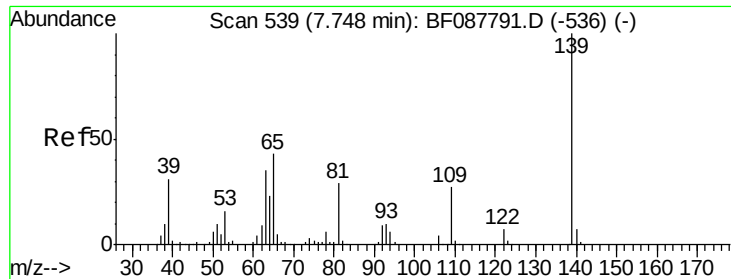
Tot Ion	Ratio	Lower	Upper
77	100		
123	47.1	45.0	67.4
65	14.0	10.2	15.2



#25
 Isophorone
 Concen: 52.32 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.02 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

Tgt Ion	Ratio	Lower	Upper
82	100		
95	10.2	5.4	8.2#
138	17.3	14.6	21.8





#26

2-Nitrophenol

Concen: 52.25 ng

RT: 7.46 min Scan# 514

Delta R.T. -0.01 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

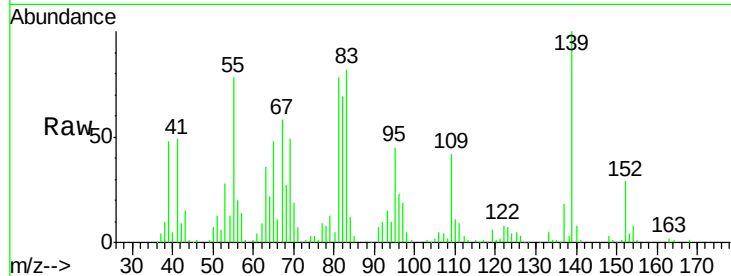
Tot Ion:139 Resp: 101793

Ion Ratio Lower Upper

139 100

109 41.8 23.0 34.4#

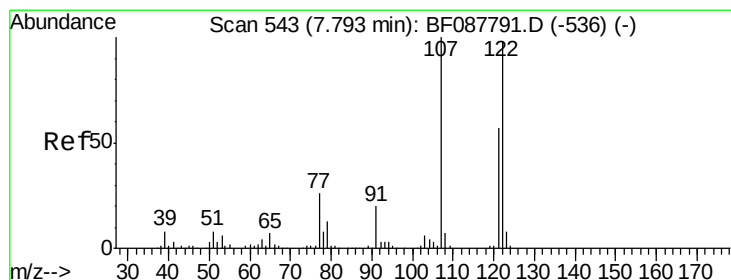
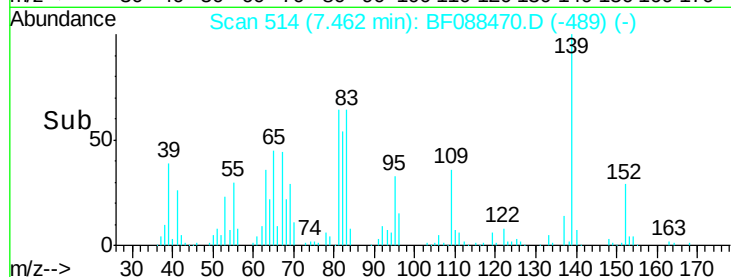
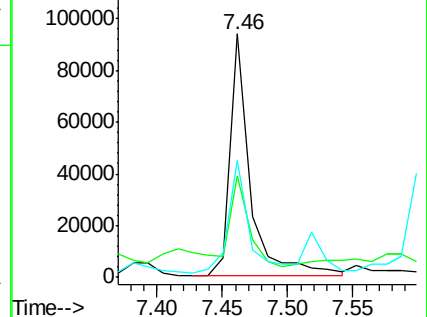
65 47.8 45.8 68.8



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): E



#27

2,4-Dimethylphenol

Concen: 43.83 ng

RT: 7.52 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

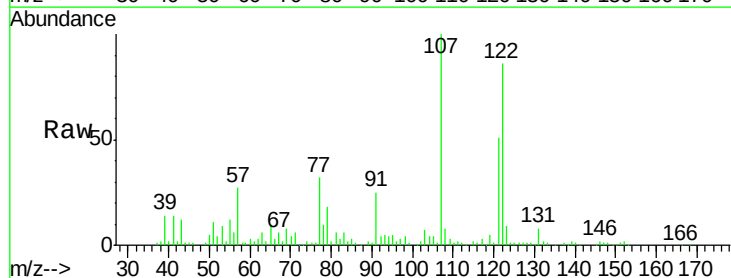
Tgt Ion:122 Resp: 157193

Ion Ratio Lower Upper

122 100

107 115.8 82.4 123.6

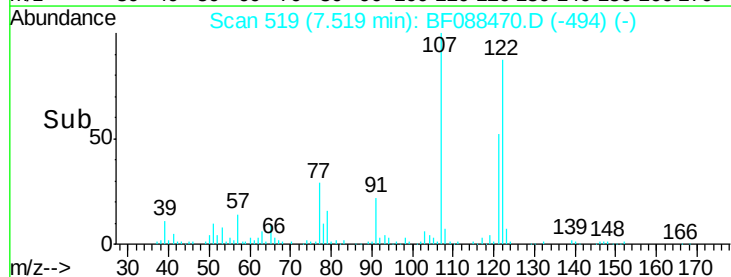
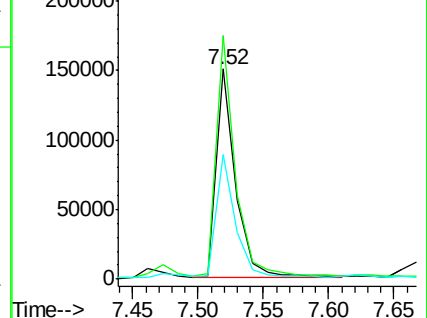
121 59.5 46.3 69.5

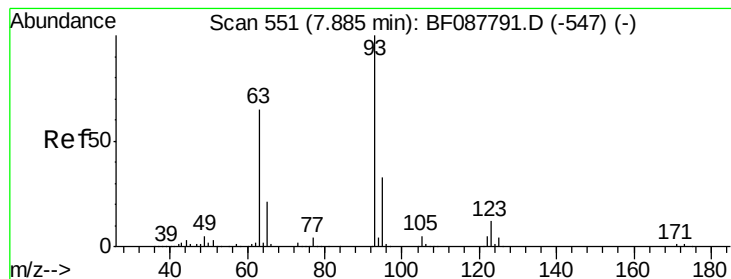


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#28

bis(2-Chloroethoxy)methane

Concen: 50.03 ng

RT: 7.60 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

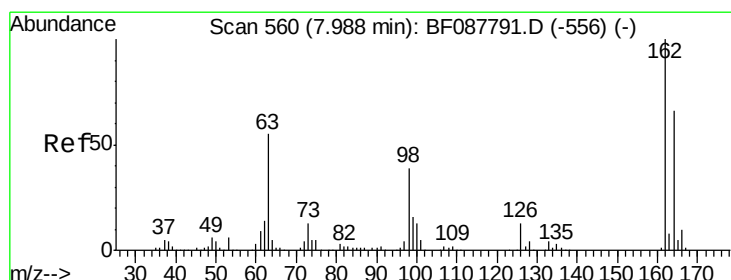
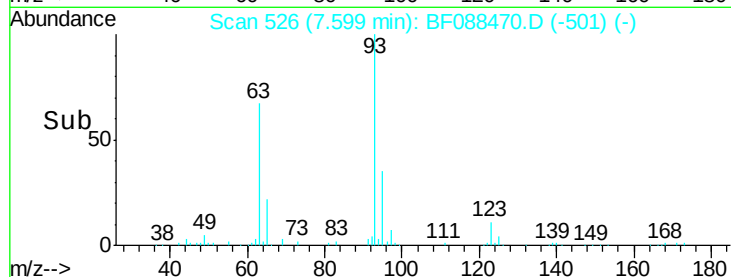
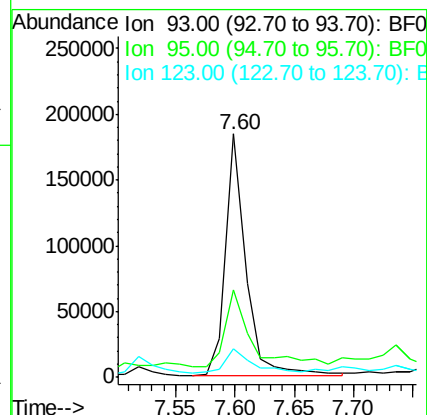
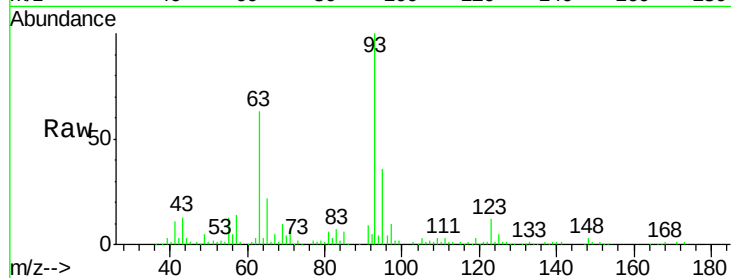
Tot Ion: 93 Resp: 215791

Ion Ratio Lower Upper

93 100

95 36.2 26.5 39.7

123 11.7 11.6 17.4



#29

2,4-Dichlorophenol

Concen: 57.85 ng

RT: 7.72 min Scan# 537

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

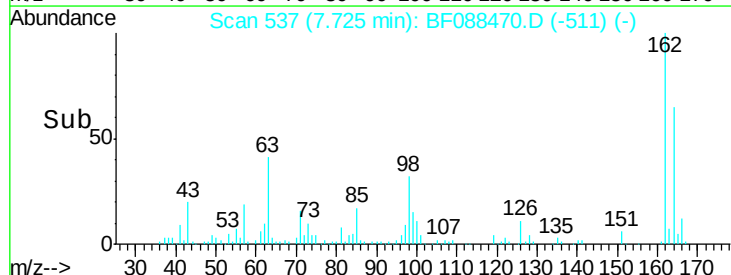
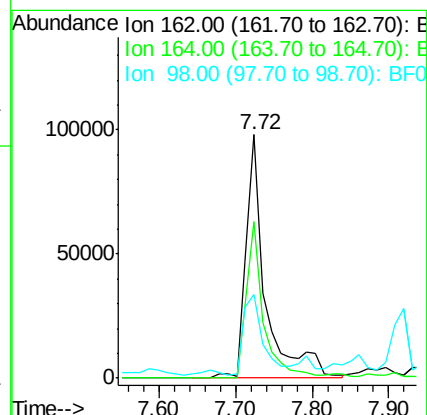
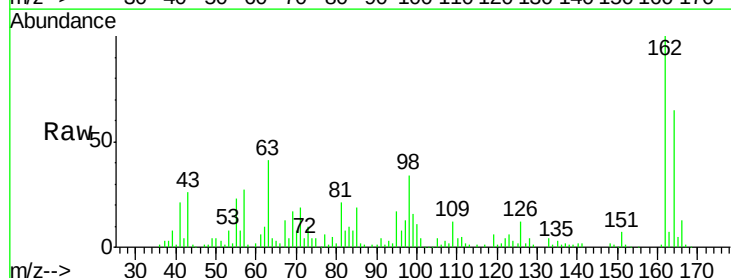
Tgt Ion: 162 Resp: 173245

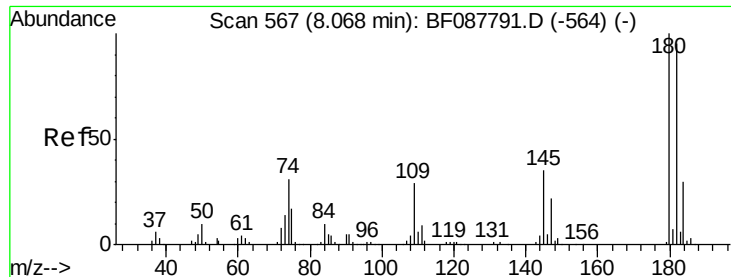
Ion Ratio Lower Upper

162 100

164 64.5 43.8 83.8

98 34.2 21.3 61.3

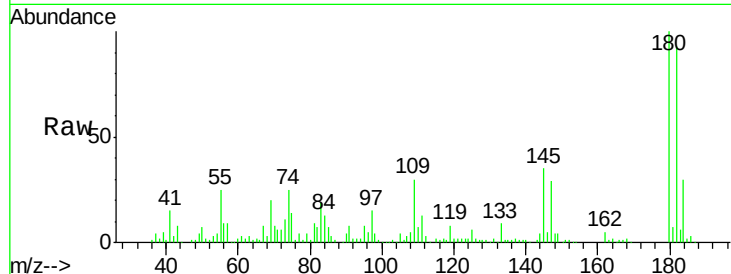




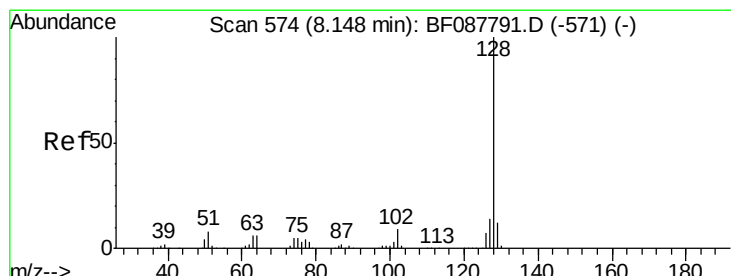
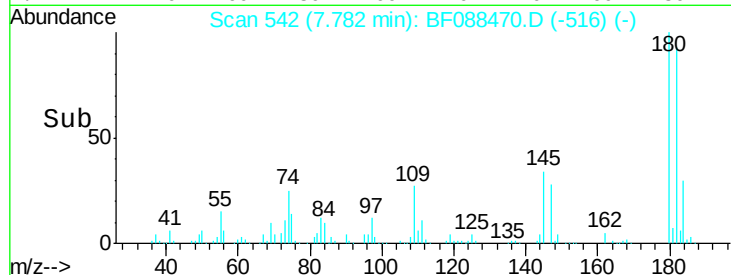
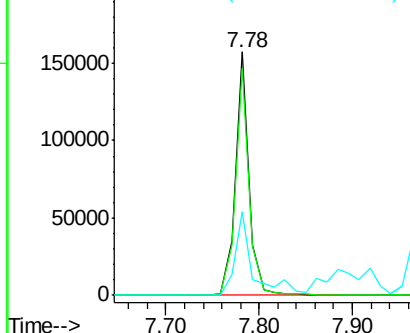
#30
1,2,4-Trichlorobenzene
Concen: 49.63 ng
RT: 7.78 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tot Ion:180 Resp: 161835
Ion Ratio Lower Upper
180 100
182 93.4 76.0 114.0
145 34.5 26.5 39.7

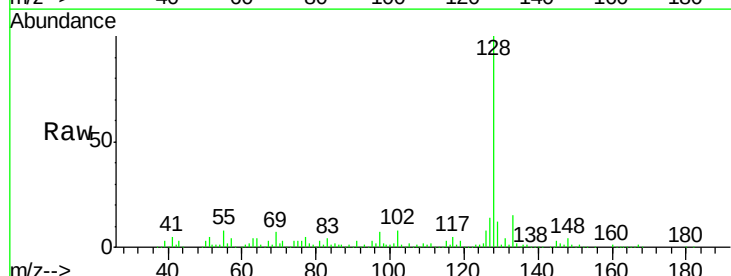


Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

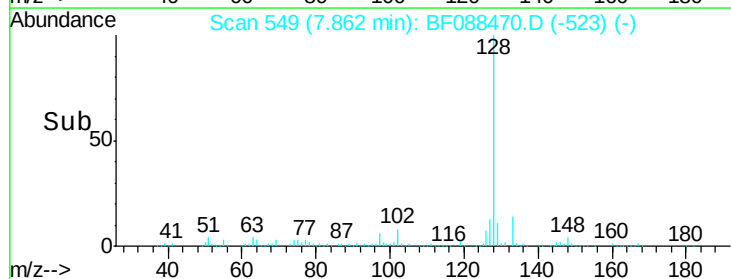
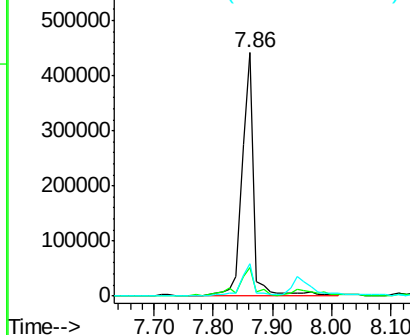


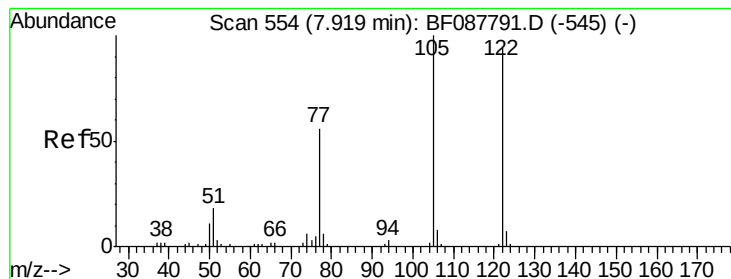
#31
Naphthalene
Concen: 54.39 ng
RT: 7.86 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Tgt Ion:128 Resp: 590088
Ion Ratio Lower Upper
128 100
129 11.7 9.4 14.2
127 13.5 10.9 16.3



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: 20.75 ng

RT: 7.69 min Scan# 534

Delta R.T. -0.03 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

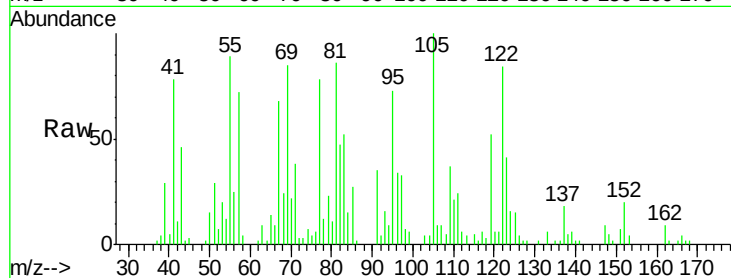
Tot Ion:122 Resp: 40985

Ion Ratio Lower Upper

122 100

105 118.9 101.6 141.6

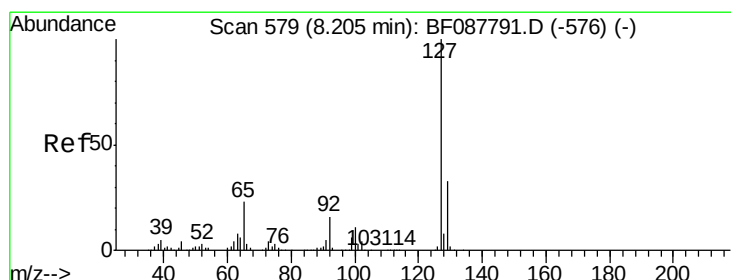
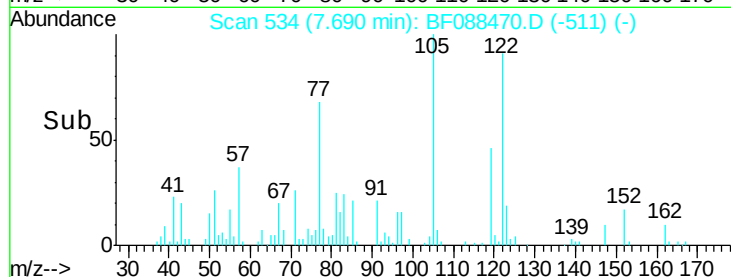
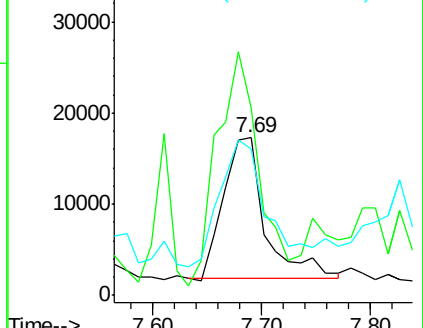
77 92.6 70.6 110.6



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: 15.87 ng

RT: 7.94 min Scan# 556

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Tgt Ion:127 Resp: 76867

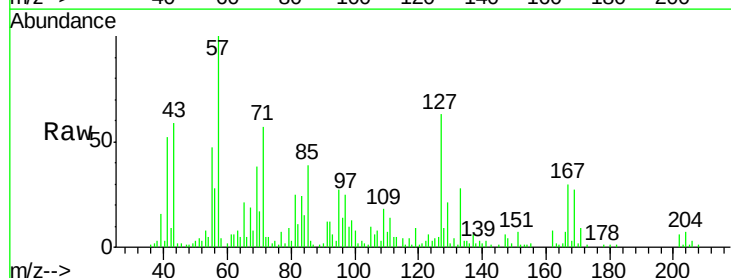
Ion Ratio Lower Upper

127 100

129 32.9 26.3 39.5

65 32.9 24.7 37.1

92 18.4 15.4 23.0

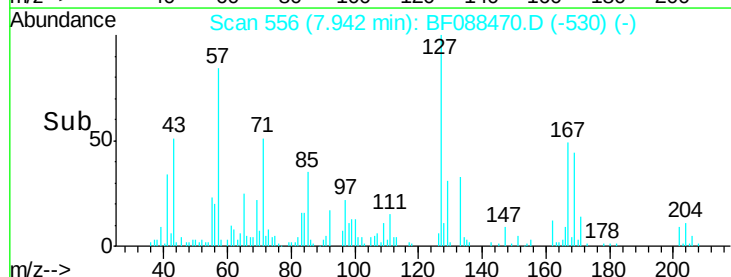
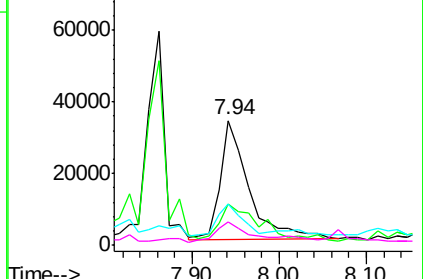


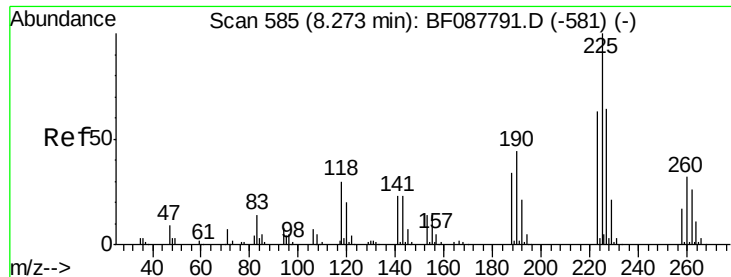
Abundance Ion 127.00 (126.70 to 127.70): E

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: 52.87 ng

RT: 7.98 min Scan# 559

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

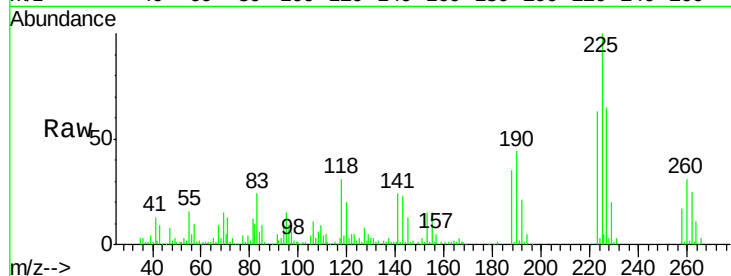
Tot Ion:225 Resp: 90932

Ion Ratio Lower Upper

225 100

223 62.6 50.9 76.3

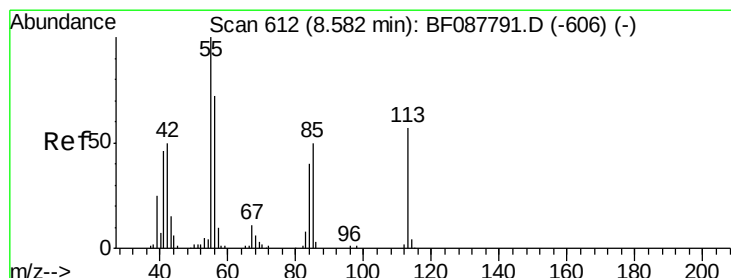
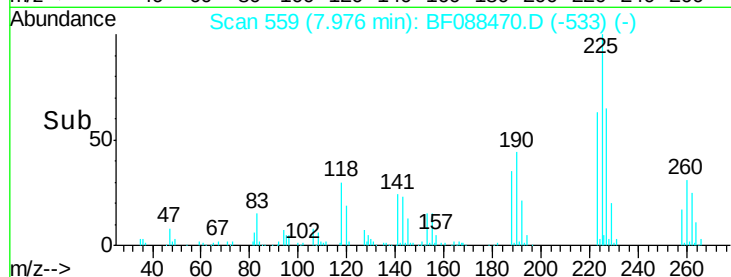
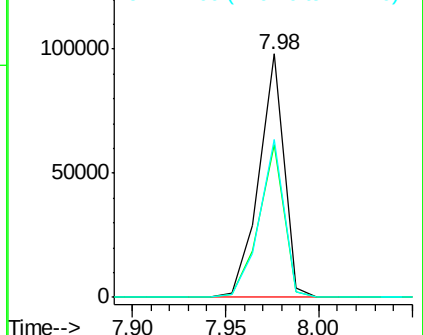
227 65.1 51.9 77.9



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: 90.62 ng m

RT: 8.27 min Scan# 585

Delta R.T. -0.06 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

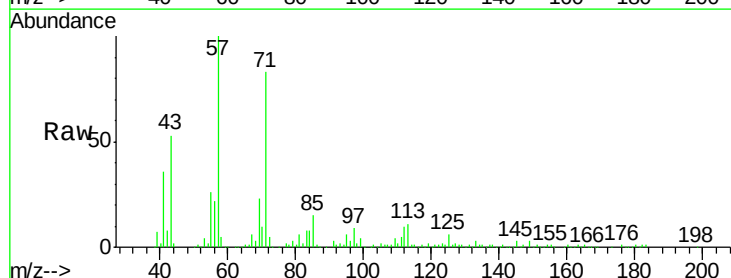
Tgt Ion:113 Resp: 89897

Ion Ratio Lower Upper

113 100

55 229.6 158.6 198.6#

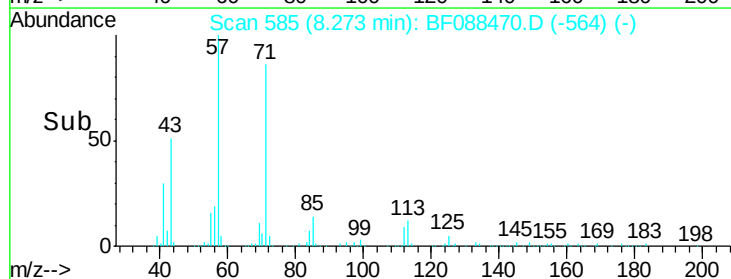
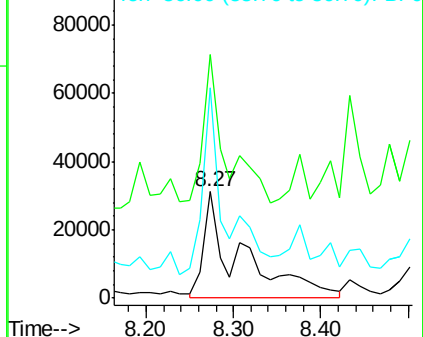
56 198.0 110.6 150.6#

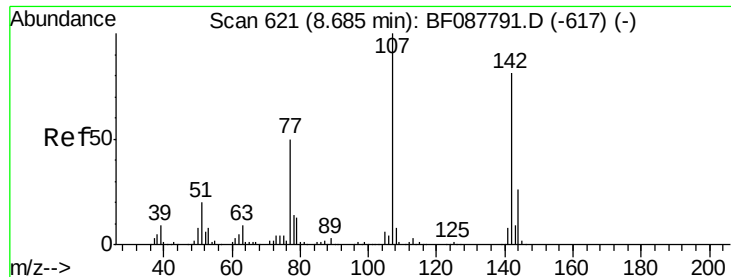


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

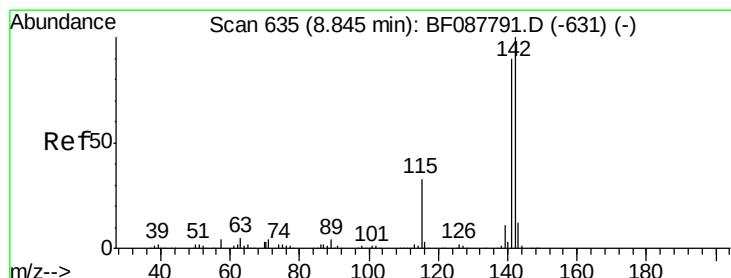
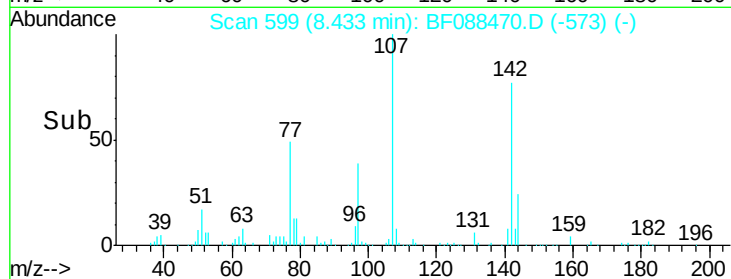
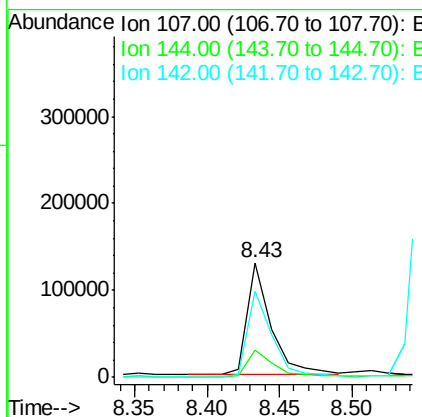
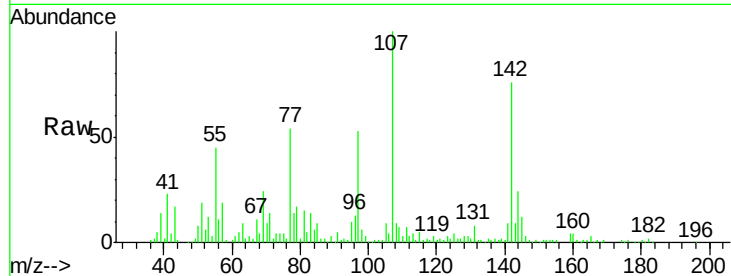




#36
4-Chloro-3-methylphenol
Concen: 46.20 ng
RT: 8.43 min Scan# 599
Delta R.T. 0.00 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

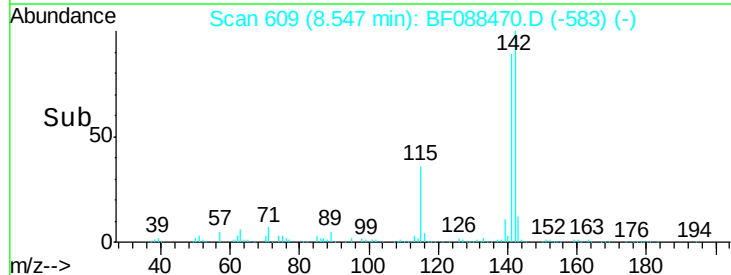
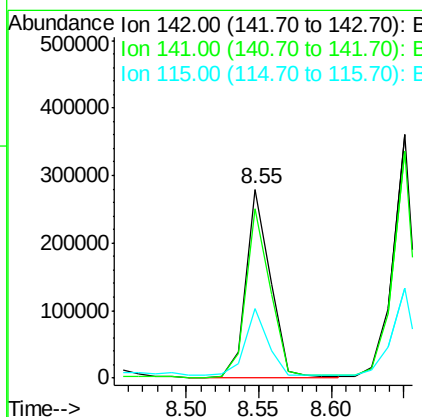
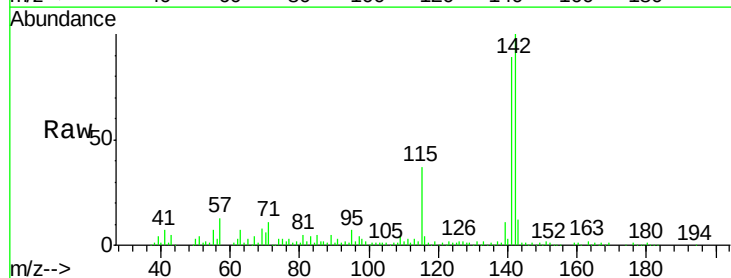
Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

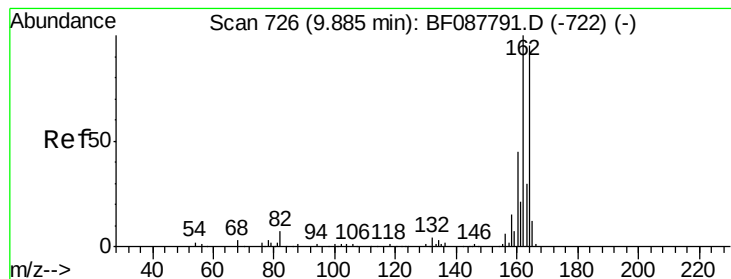
Tot Ion:107 Resp: 147953
Ion Ratio Lower Upper
107 100
144 24.3 20.8 31.2
142 75.7 63.4 95.2



#37
2-Methylnaphthalene
Concen: 45.30 ng
RT: 8.55 min Scan# 609
Delta R.T. 0.00 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Tgt Ion:142 Resp: 323913
Ion Ratio Lower Upper
142 100
141 89.4 71.0 106.6
115 36.8 22.6 33.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 700

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

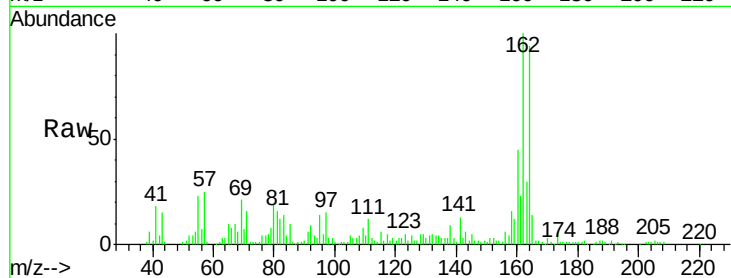
Tot Ion:164 Resp: 88517

Ion Ratio Lower Upper

164 100

162 106.3 85.4 128.2

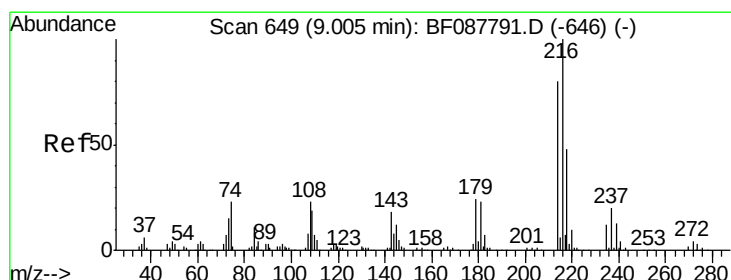
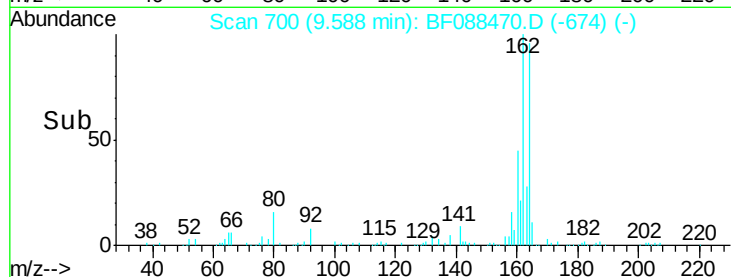
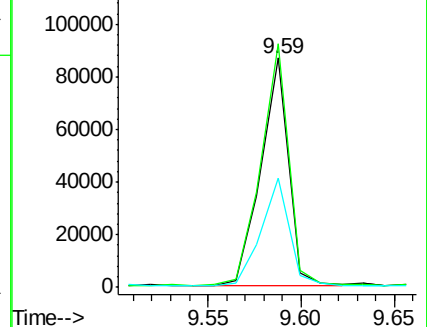
160 47.6 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 75.81 ng

RT: 8.72 min Scan# 624

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Tgt Ion:216 Resp: 134833

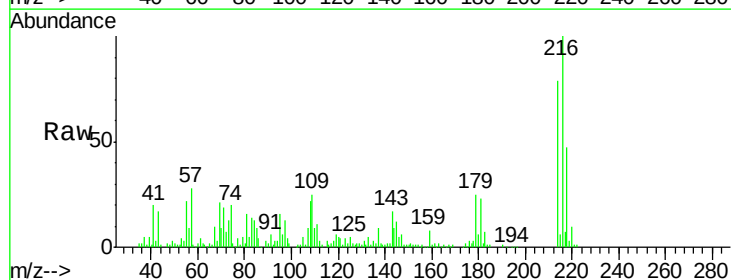
Ion Ratio Lower Upper

216 100

214 79.0 2.9 4.3#

179 23.4 0.0 0.0#

108 19.0 0.5 0.7#

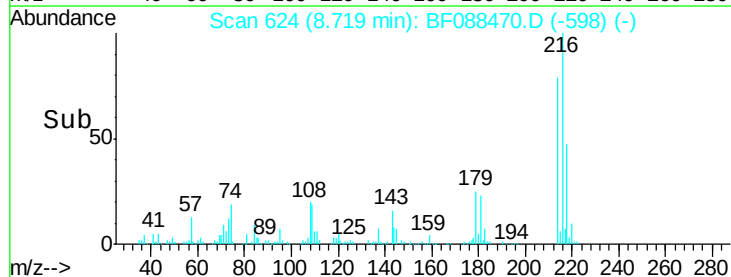
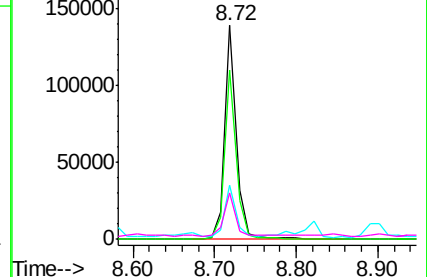


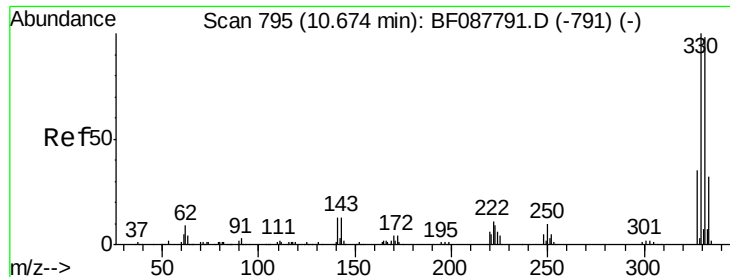
Abundance Ion 216.00 (215.70 to 216.70): E

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

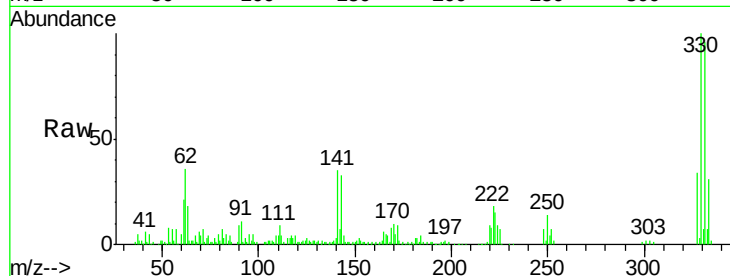




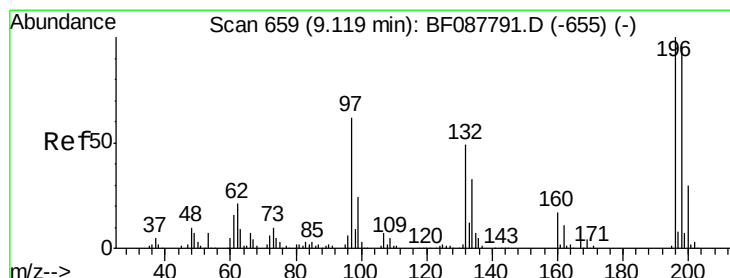
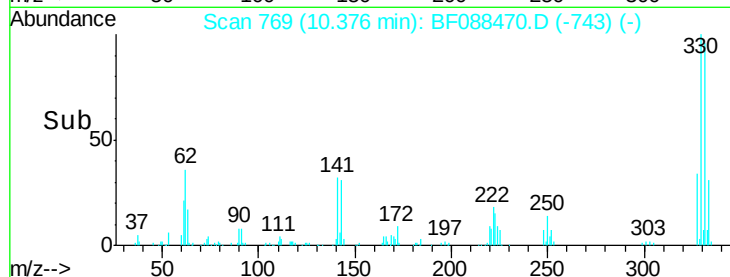
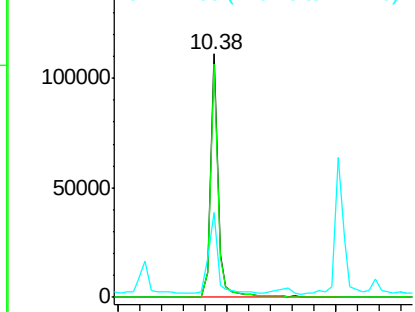
#41
 2,4,6-Tribromophenol
 Concen: 117.99 ng
 RT: 10.38 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Tot Ion:330 Resp: 110278
 Ion Ratio Lower Upper
 330 100
 332 95.6 0.0 0.0#
 141 39.4 0.0 0.0#

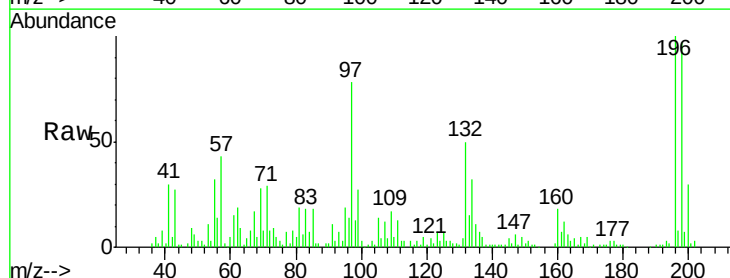


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

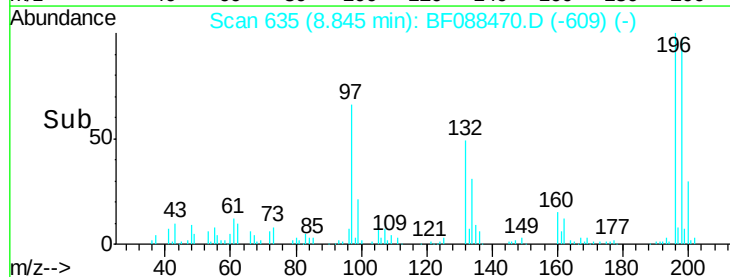
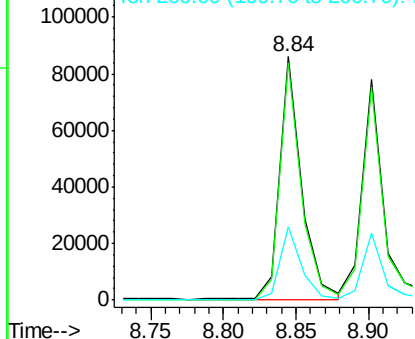


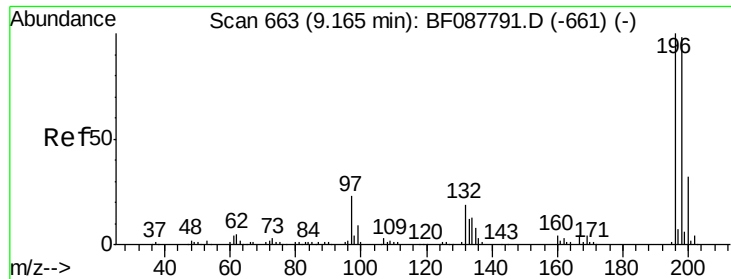
#42
 2,4,6-Trichlorophenol
 Concen: 51.57 ng
 RT: 8.84 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

Tgt Ion:196 Resp: 91280
 Ion Ratio Lower Upper
 196 100
 198 97.2 78.0 117.0
 200 29.9 25.4 38.2



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

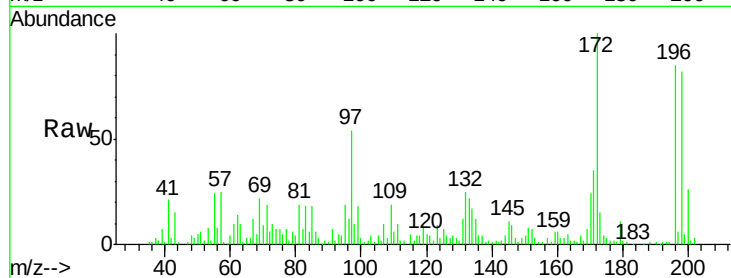




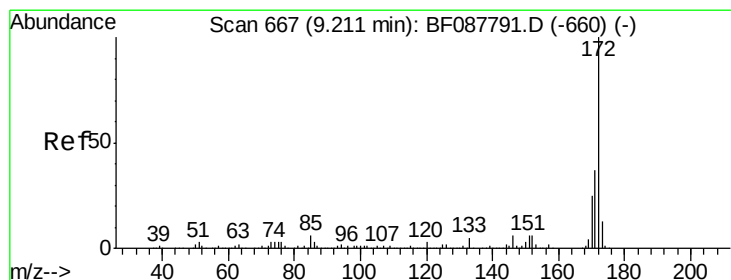
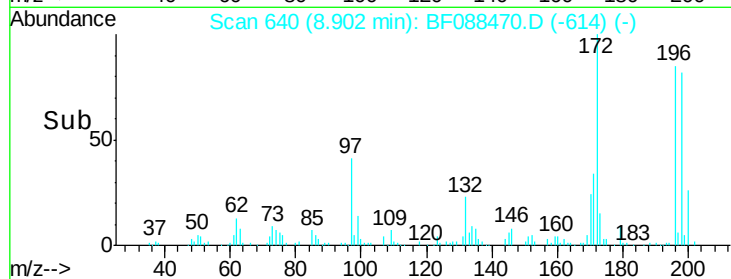
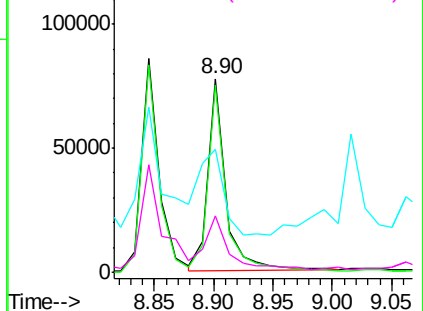
#43
 2,4,5-Trichlorophenol
 Concen: 44.04 ng
 RT: 8.90 min Scan# 640
 Delta R.T. 0.00 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Tot Ion:196 Resp: 81110
 Ion Ratio Lower Upper
 196 100
 198 96.5 77.5 116.3
 97 63.5 32.0 48.0#
 132 29.5 20.9 31.3

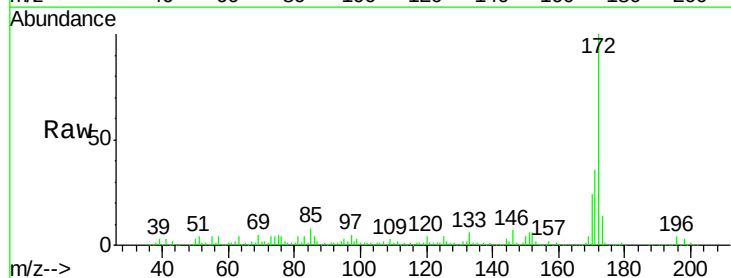


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

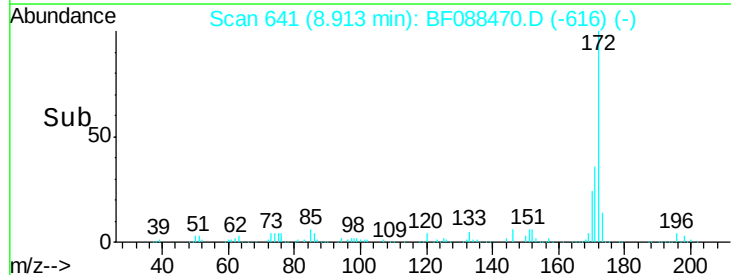
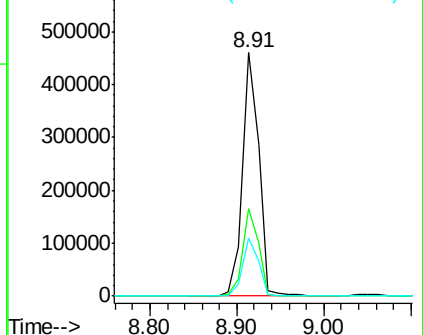


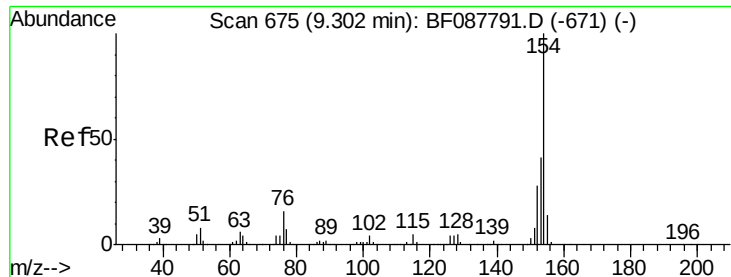
#44
 2-Fluorobiphenyl
 Concen: 108.45 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

Tgt Ion:172 Resp: 602451
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.6 43.0
 170 23.7 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

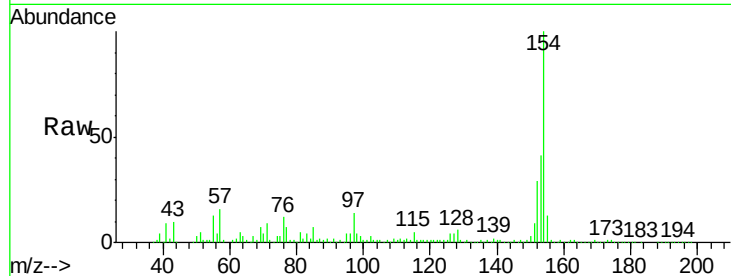




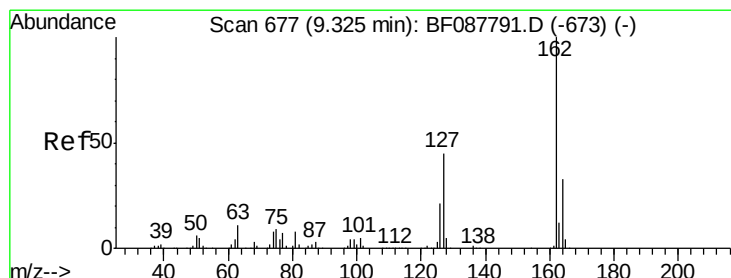
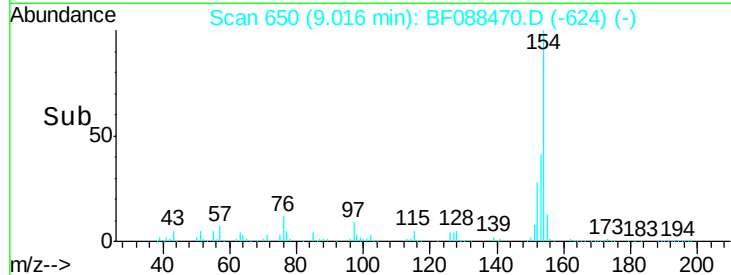
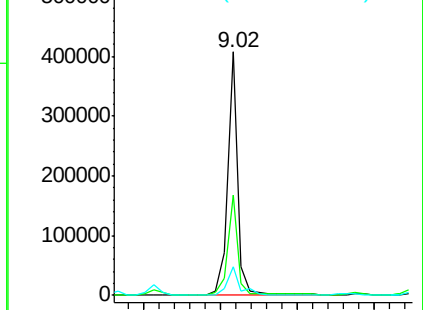
#45
 1,1'-Biphenyl
 Concen: 59.61 ng
 RT: 9.02 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.6	60.6
76	11.6	0.0	35.1

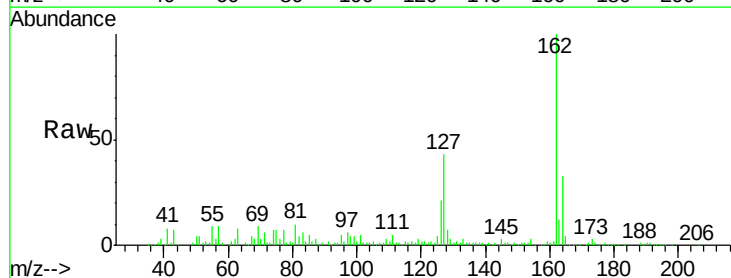


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

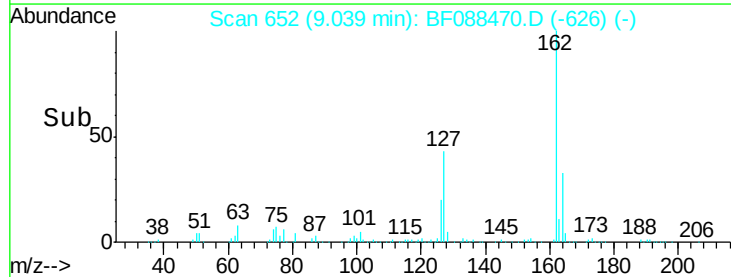
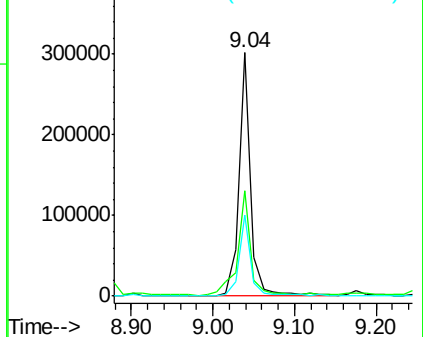


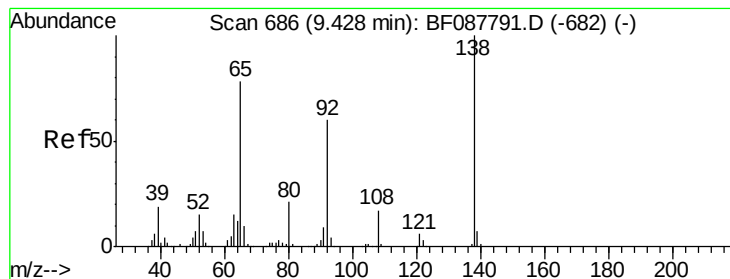
#46
 2-Chloronaphthalene
 Concen: 52.45 ng
 RT: 9.04 min Scan# 652
 Delta R.T. 0.00 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

Tgt Ion	Ratio	Lower	Upper
162	100		
127	43.5	35.2	52.8
164	33.5	26.6	39.8



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: 52.10 ng

RT: 9.15 min Scan# 662

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

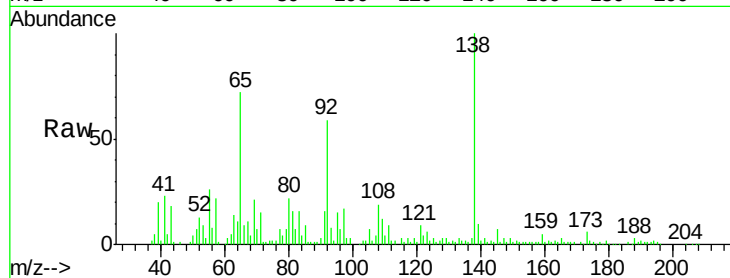
Tot Ion: 65 Resp: 88035

Ion Ratio Lower Upper

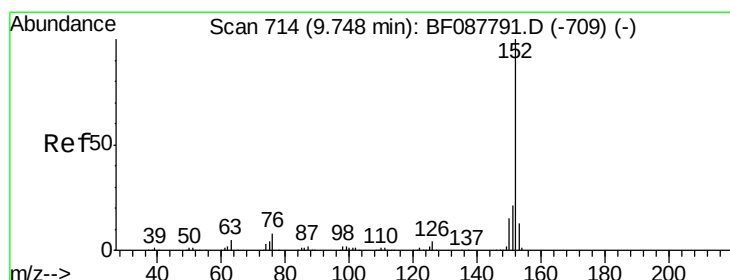
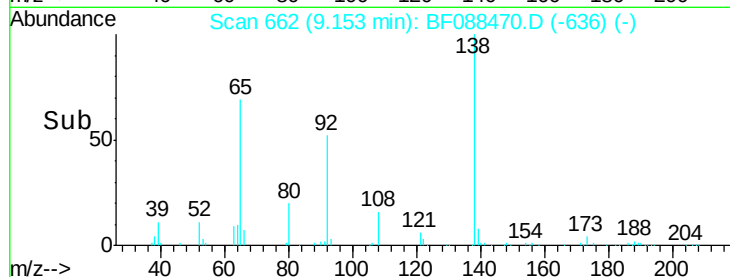
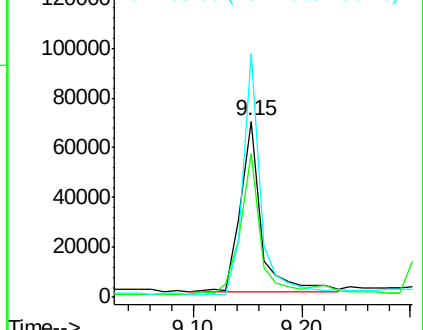
65 100

92 81.4 54.6 82.0

138 138.2 77.0 115.4#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 48.74 ng

RT: 9.45 min Scan# 688

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

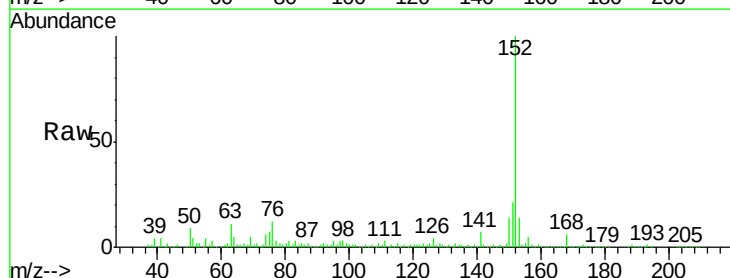
Tgt Ion: 152 Resp: 444064

Ion Ratio Lower Upper

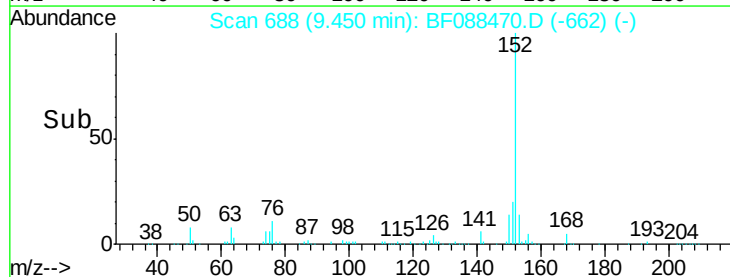
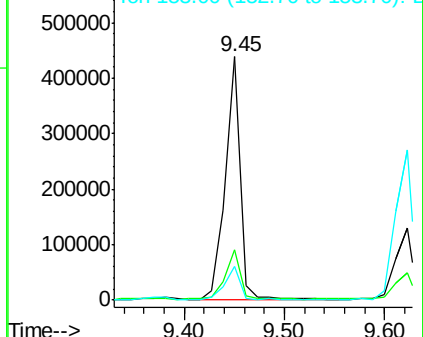
152 100

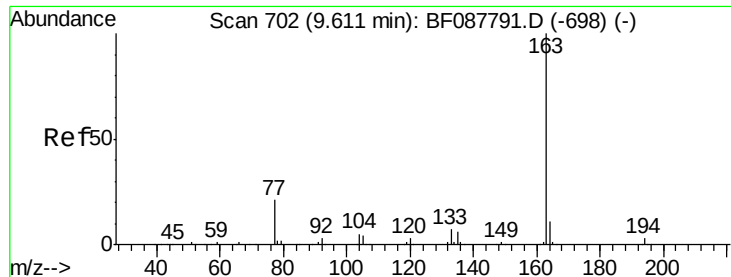
151 20.7 16.2 24.4

153 13.9 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

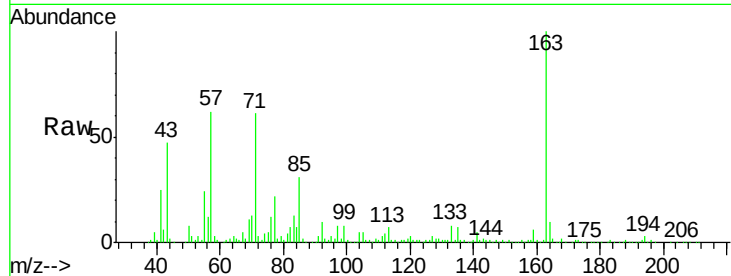




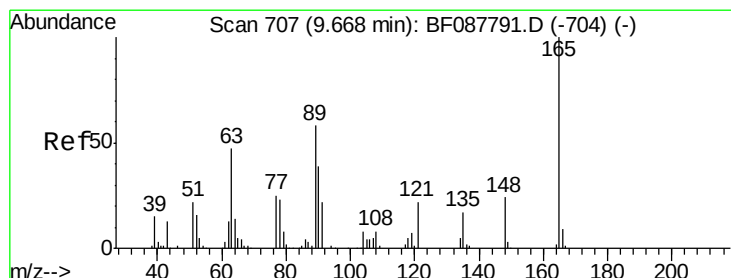
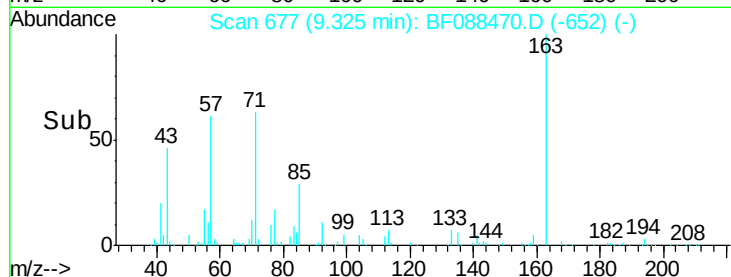
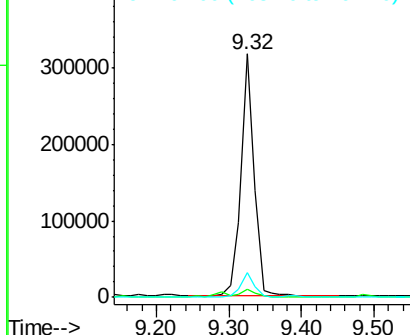
#49
Dimethylphthalate
Concen: 62.41 ng
RT: 9.32 min Scan# 677
Delta R.T. -0.01 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tot Ion:163 Resp: 400179
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 10.3 8.3 12.5

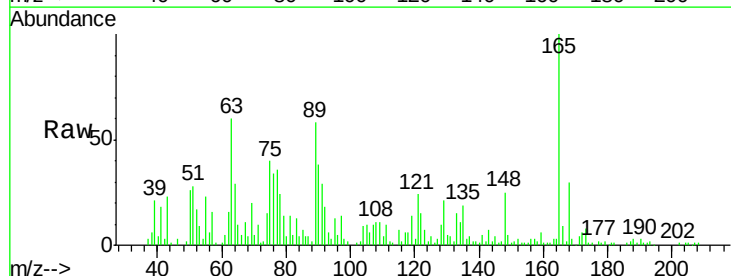


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

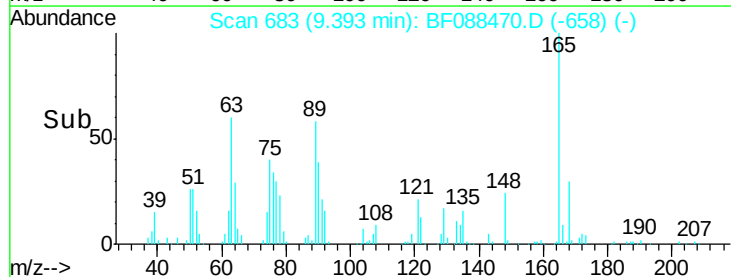
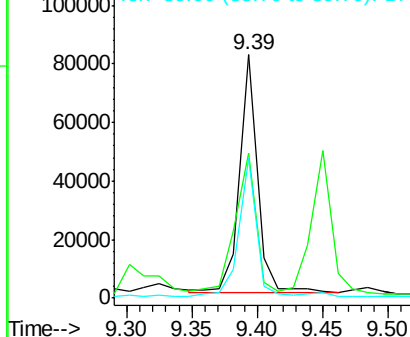


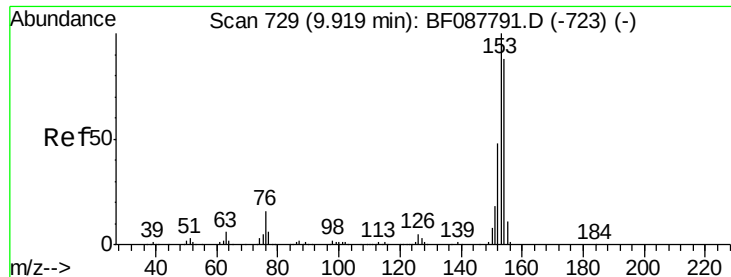
#50
2,6-Dinitrotoluene
Concen: 52.64 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Tgt Ion:165 Resp: 77299
Ion Ratio Lower Upper
165 100
63 59.7 28.1 42.1#
89 57.5 32.2 48.2#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 48.87 ng

RT: 9.62 min Scan# 703

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

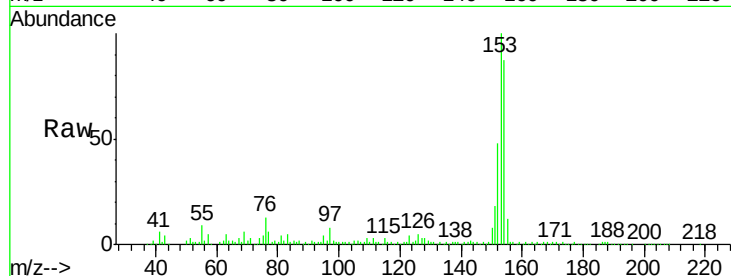
Tot Ion:154 Resp: 277794

Ion Ratio Lower Upper

154 100

153 114.9 89.5 134.3

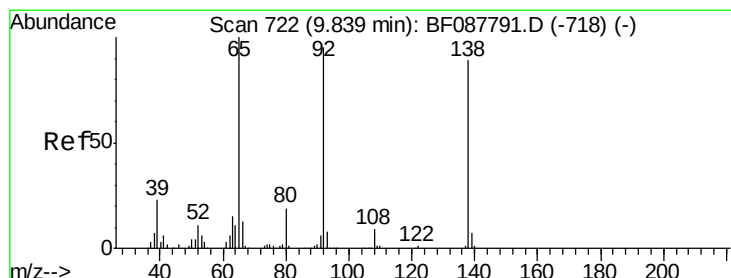
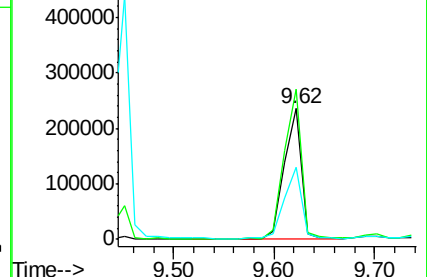
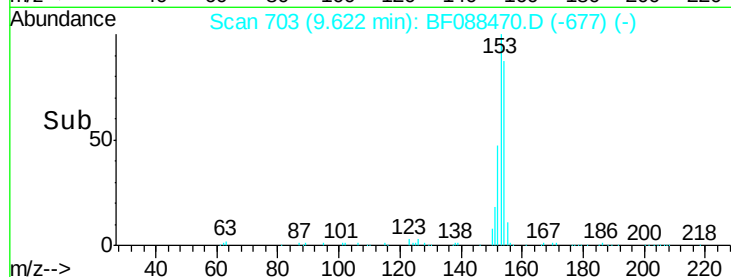
152 54.7 42.7 64.1



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: 34.34 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.01 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

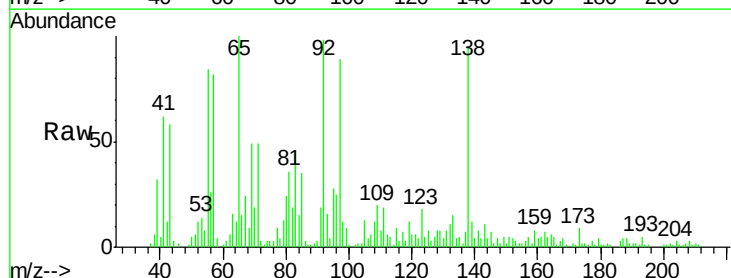
Tgt Ion:138 Resp: 58193

Ion Ratio Lower Upper

138 100

108 13.1 8.5 12.7#

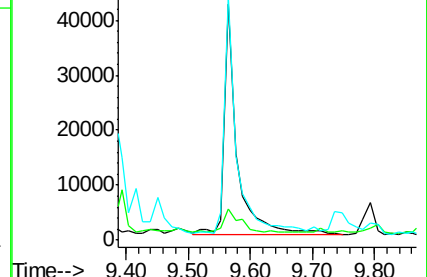
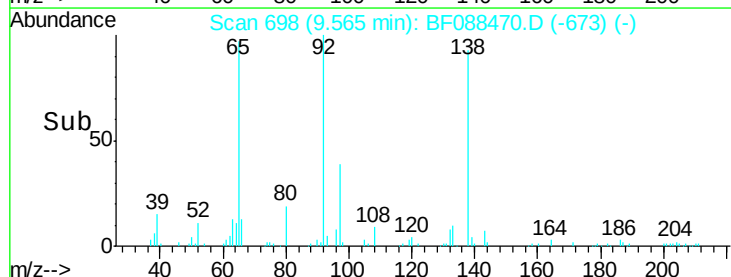
92 103.2 95.7 143.5

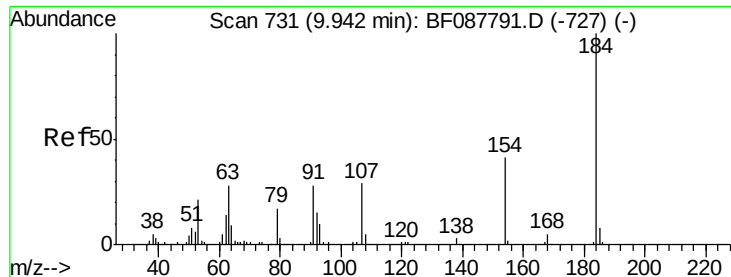


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

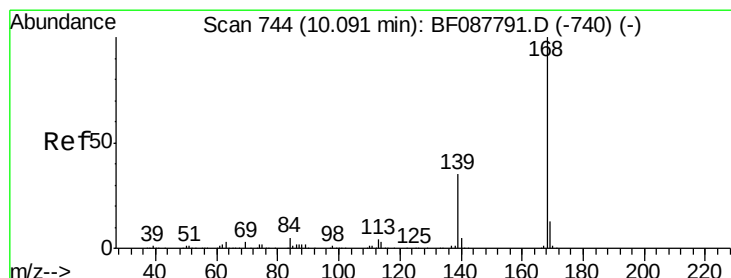
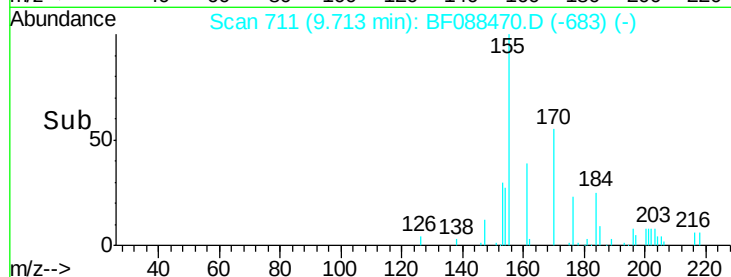
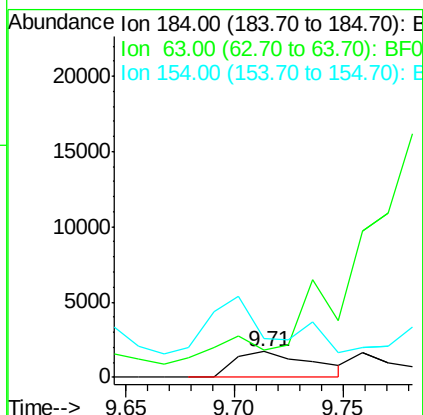
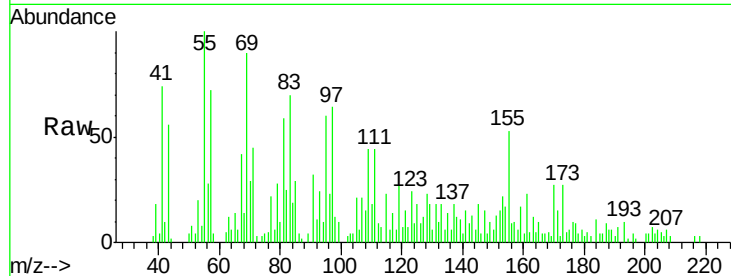




#53
2,4-Dinitrophenol
Concen: 9.37 ng
RT: 9.71 min Scan# 711
Delta R.T. 0.02 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

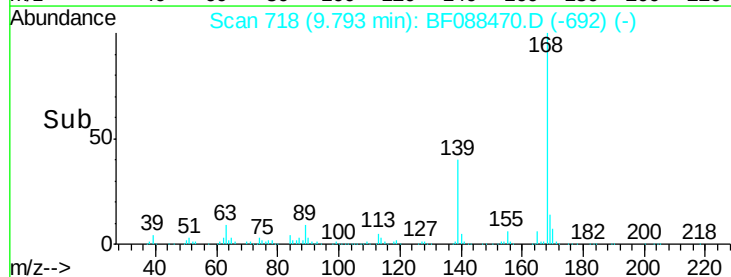
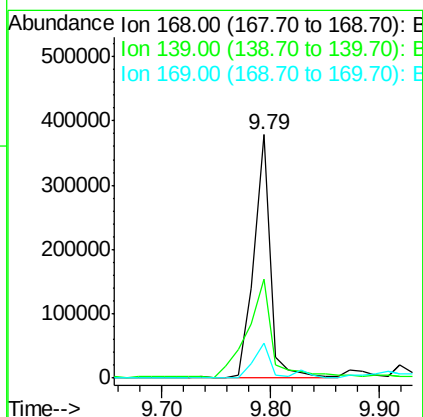
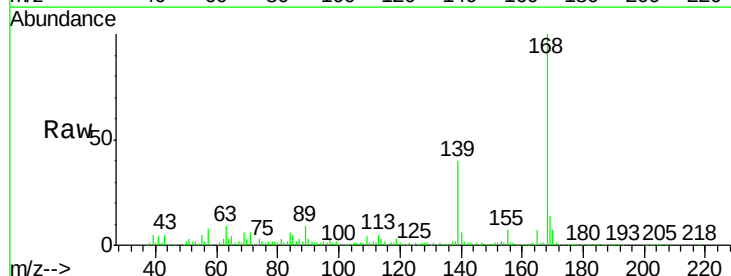
Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

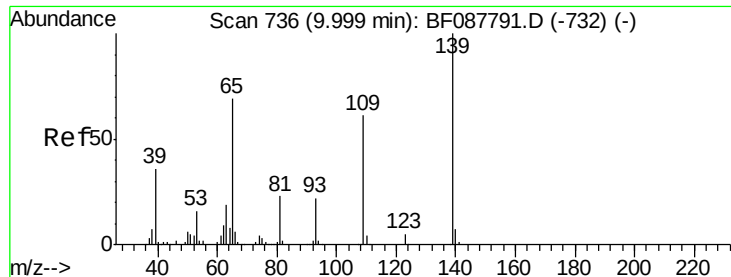
Tot Ion:184 Resp: 4220
Ion Ratio Lower Upper
184 100
63 107.6 57.6 86.4#
154 151.6 53.5 80.3#



#54
Dibenzofuran
Concen: 51.05 ng
RT: 9.79 min Scan# 718
Delta R.T. 0.00 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Tgt Ion:168 Resp: 399589
Ion Ratio Lower Upper
168 100
139 40.4 26.4 39.6#
169 14.5 10.4 15.6

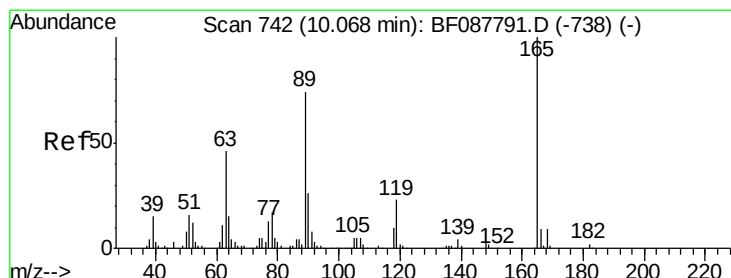
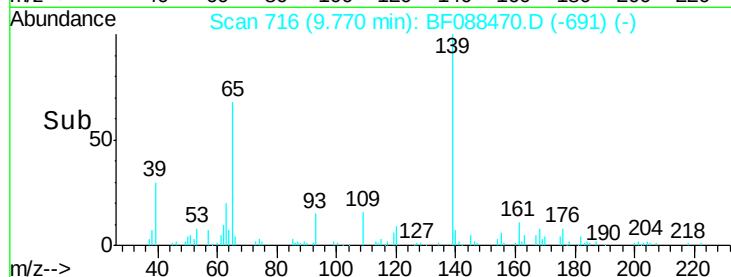
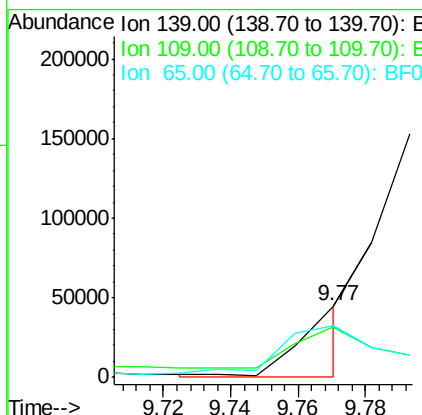
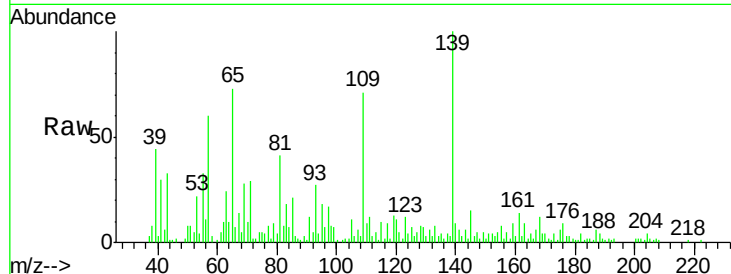




#55
4-Nitrophenol
Concen: 35.13 ng/mL
RT: 9.77 min Scan# 716
Delta R.T. -0.01 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

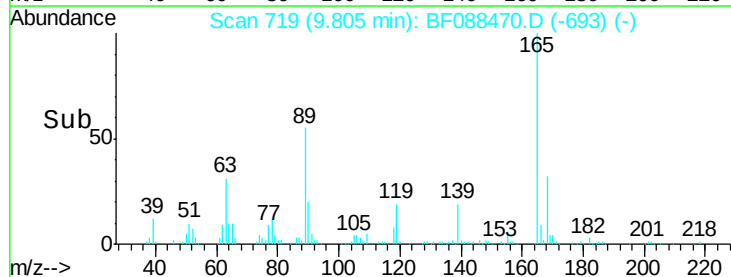
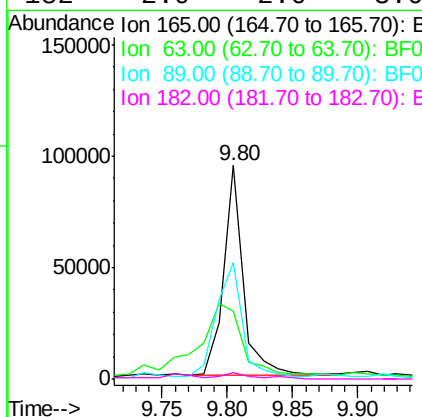
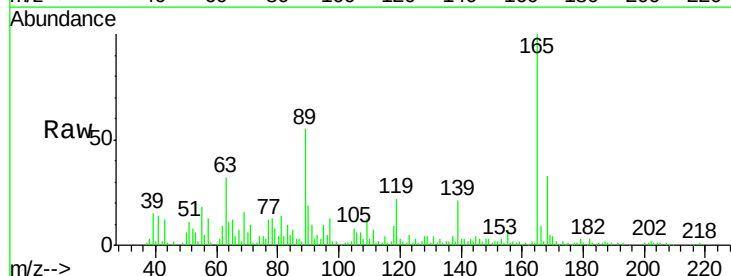
Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

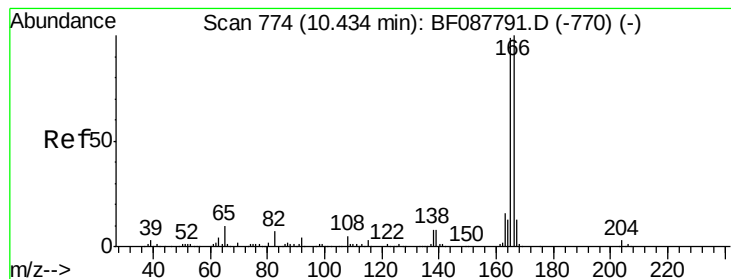
Tot Ion:139 Resp: 46207
Ion Ratio Lower Upper
139 100
109 70.5 48.9 88.9
65 72.6 84.9 124.9#



#56
2,4-Dinitrotoluene
Concen: 51.75 ng/mL
RT: 9.80 min Scan# 719
Delta R.T. 0.00 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Tgt Ion:165 Resp: 97654
Ion Ratio Lower Upper
165 100
63 32.0 22.0 33.0
89 54.8 41.1 61.7
182 2.9 2.0 3.0





#57

Fluorene

Concen: 57.31 ng

RT: 10.14 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

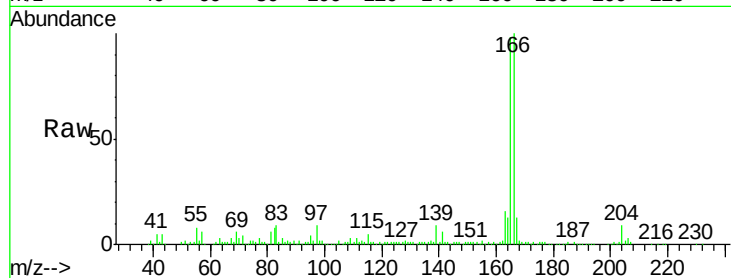
Tot Ion:166 Resp: 296163

Ion Ratio Lower Upper

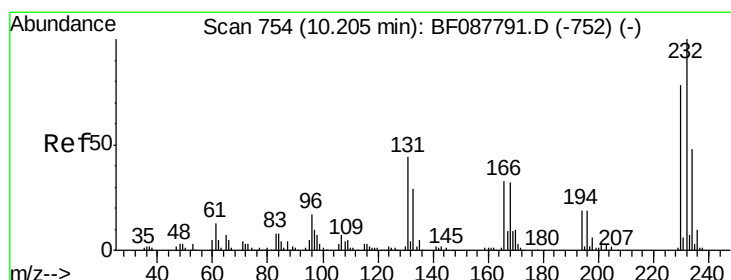
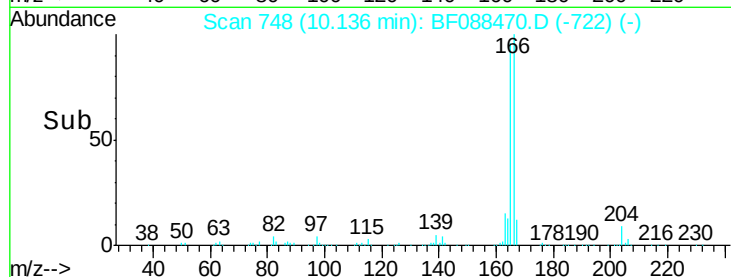
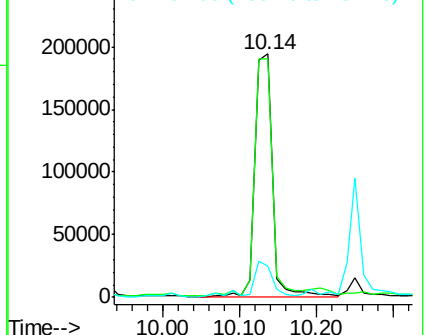
166 100

165 98.2 77.8 116.8

167 13.0 11.2 16.8



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: 46.60 ng

RT: 9.92 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Tgt Ion:232 Resp: 67438

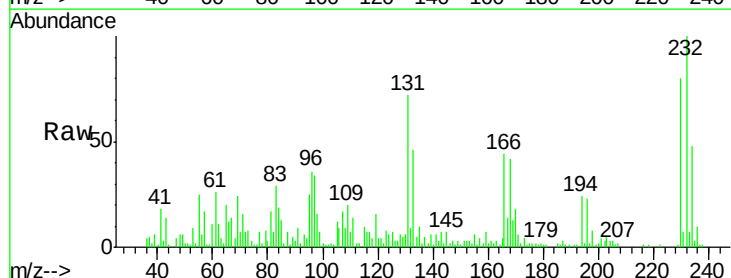
Ion Ratio Lower Upper

232 100

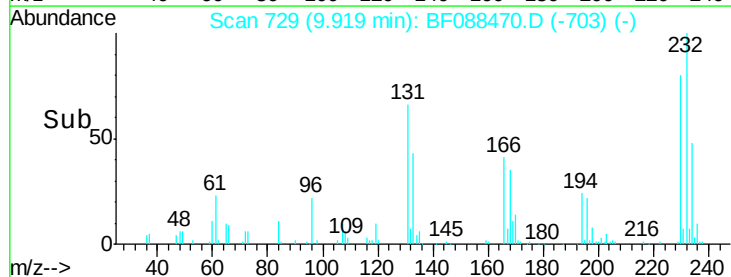
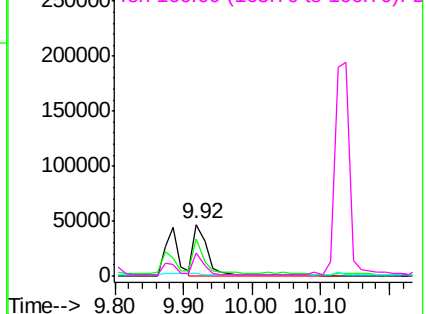
131 52.2 0.9 1.3#

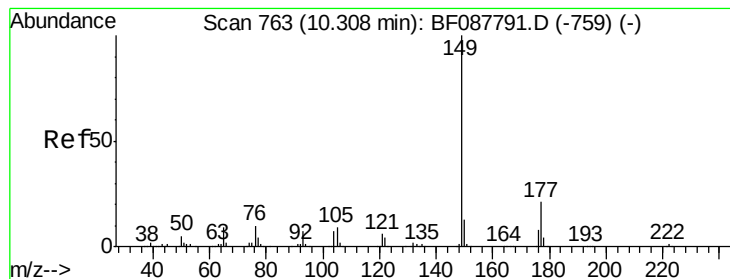
130 0.0 1.5 2.3#

166 30.1 0.5 0.7#



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: 57.63 ng

RT: 10.02 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

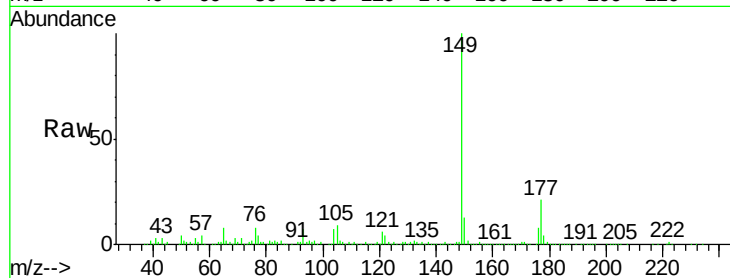
Tot Ion:149 Resp: 374017

Ion Ratio Lower Upper

149 100

177 21.0 16.9 25.3

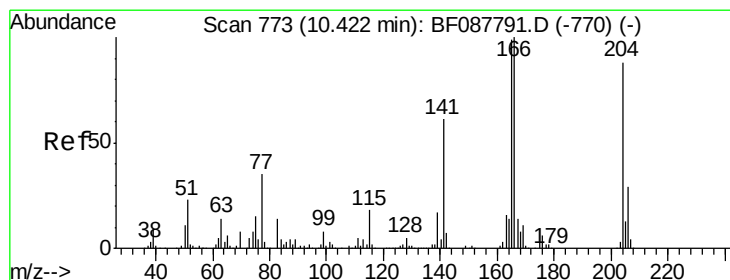
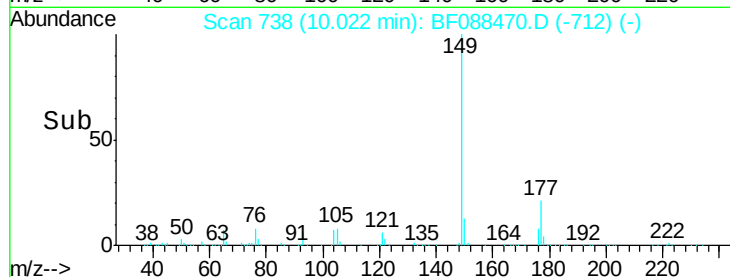
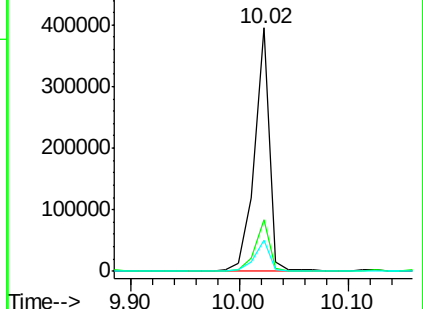
150 12.8 10.1 15.1



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: 51.41 ng

RT: 10.12 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

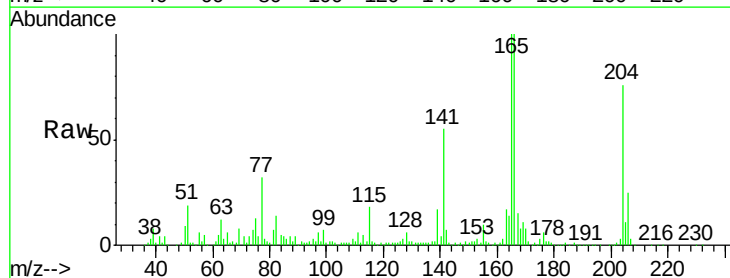
Tgt Ion:204 Resp: 133828

Ion Ratio Lower Upper

204 100

206 33.3 26.3 39.5

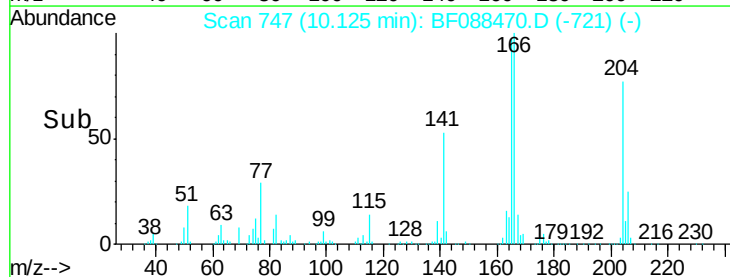
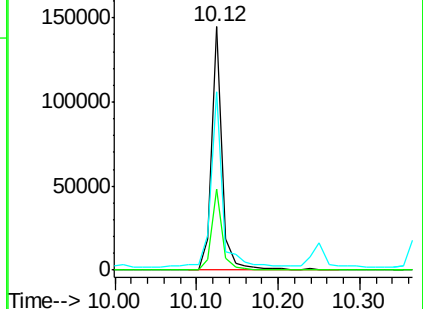
141 73.0 55.0 82.6

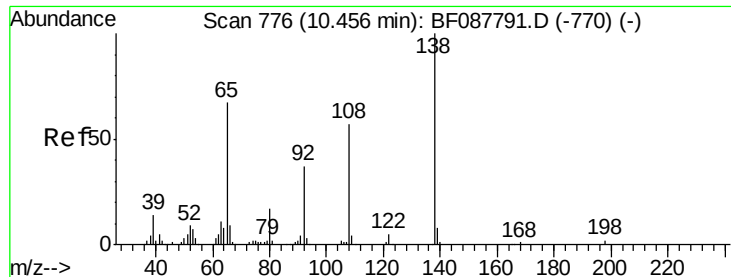


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

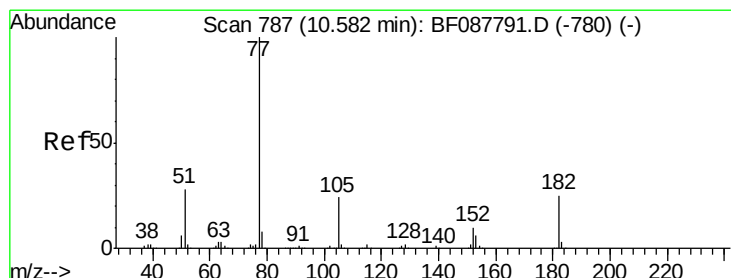
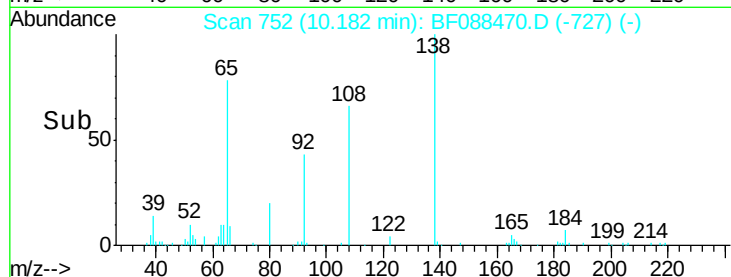
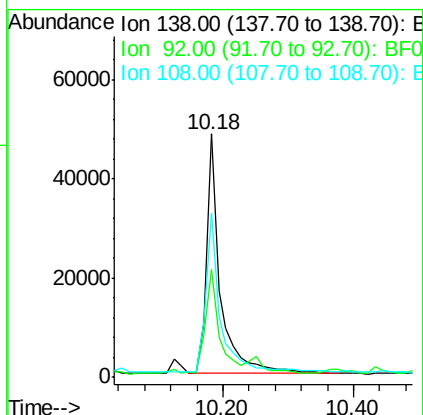
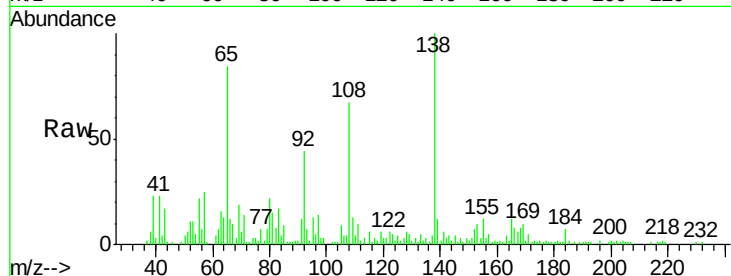




#61
4-Nitroaniline
Concen: 44.04 ng
RT: 10.18 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

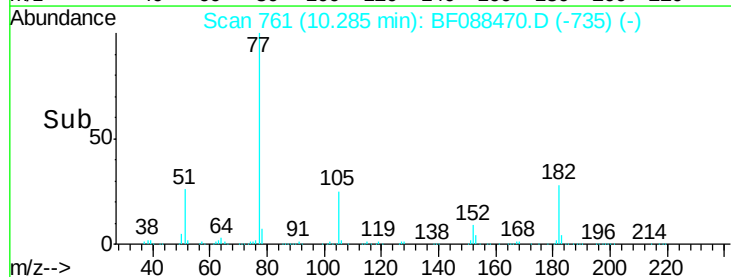
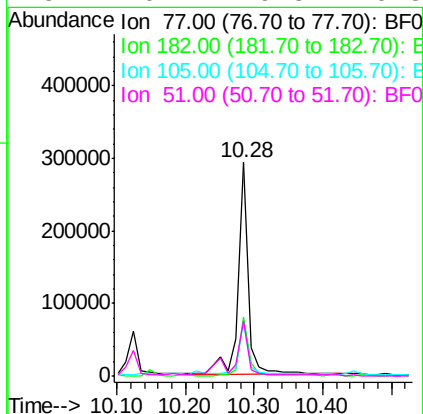
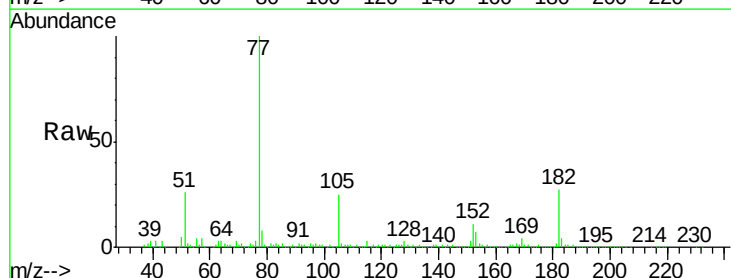
Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

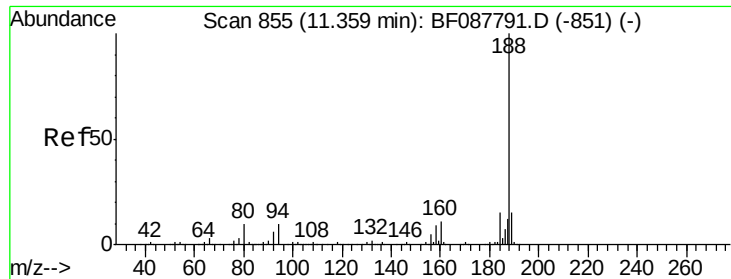
Tot Ion:138 Resp: 70783
Ion Ratio Lower Upper
138 100
92 44.2 27.3 67.3
108 67.3 46.7 86.7



#62
Azobenzene
Concen: 47.94 ng
RT: 10.28 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Tgt Ion: 77 Resp: 307704
Ion Ratio Lower Upper
77 100
182 27.4 4.4 44.4
105 25.2 3.8 43.8
51 26.1 9.3 49.3

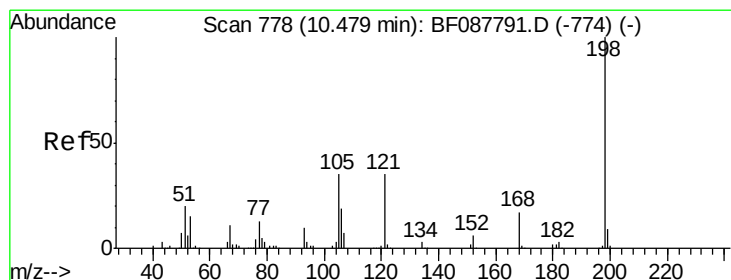
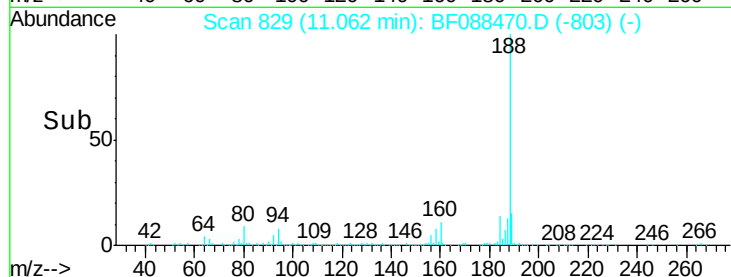
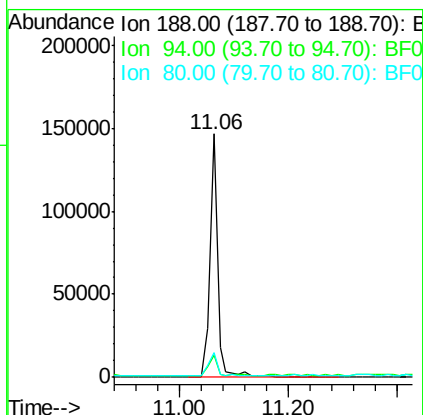
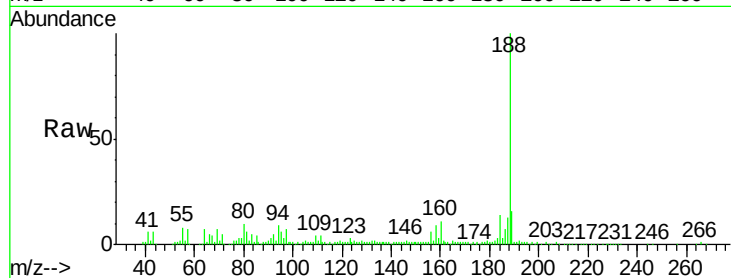




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. 0.00 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

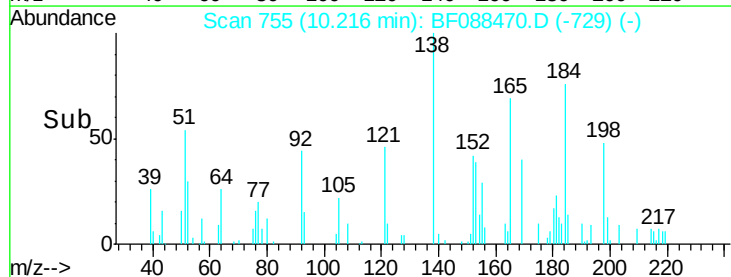
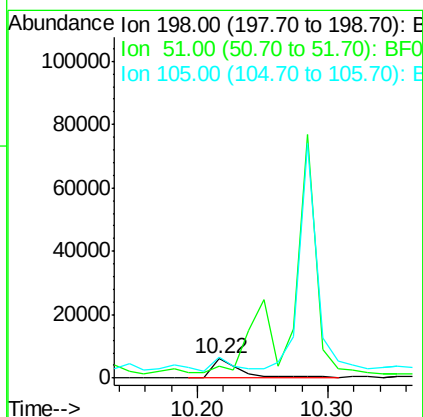
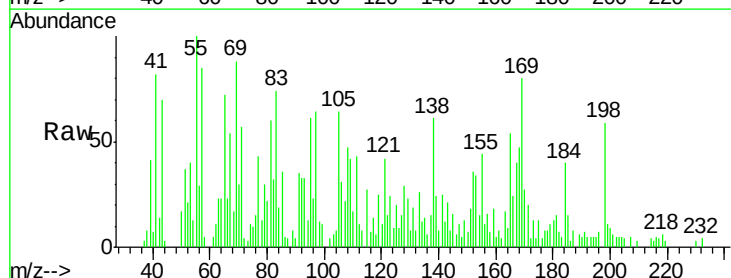
Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

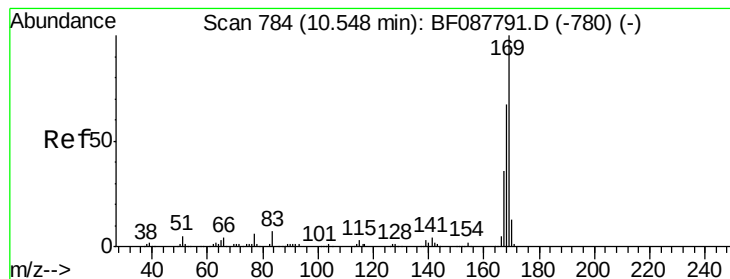
Tot Ion:188 Resp: 147187
Ion Ratio Lower Upper
188 100
94 9.2 9.0 13.6
80 9.9 10.0 15.0#



#64
4,6-Dinitro-2-methylphenol
Concen: 12.13 ng
RT: 10.22 min Scan# 755
Delta R.T. 0.00 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Tgt Ion:198 Resp: 9589
Ion Ratio Lower Upper
198 100
51 63.4 39.6 79.6
105 107.9 36.6 76.6#





#65

n-Nitrosodiphenylamine

Concen: 61.24 ng

RT: 10.25 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

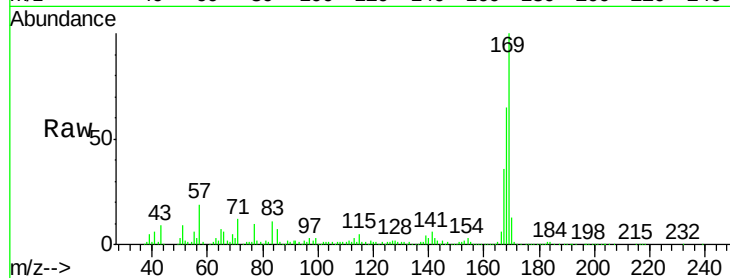
Tot Ion:169 Resp: 299074

Ion Ratio Lower Upper

169 100

168 65.1 53.4 80.0

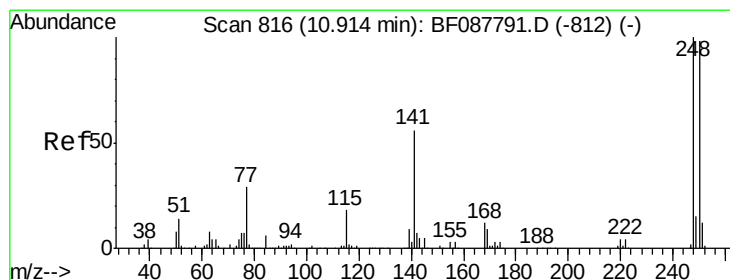
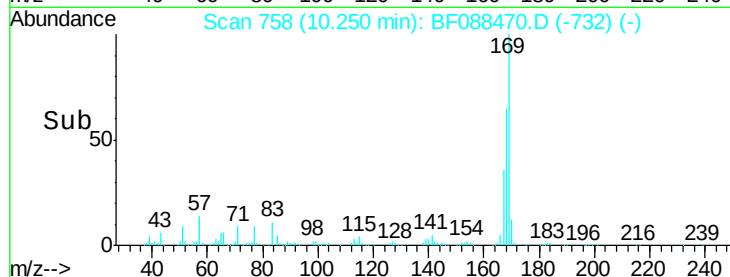
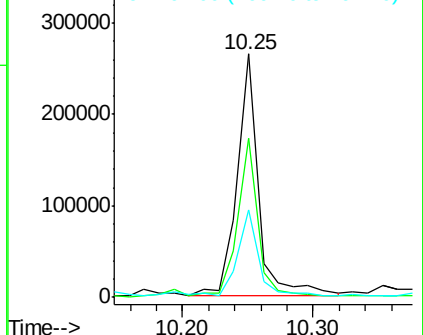
167 35.8 29.4 44.0



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: 47.82 ng

RT: 10.60 min Scan# 789

Delta R.T. -0.01 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

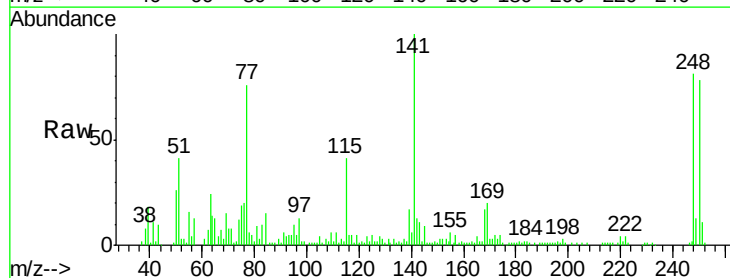
Tgt Ion:248 Resp: 75515

Ion Ratio Lower Upper

248 100

250 96.4 77.1 115.7

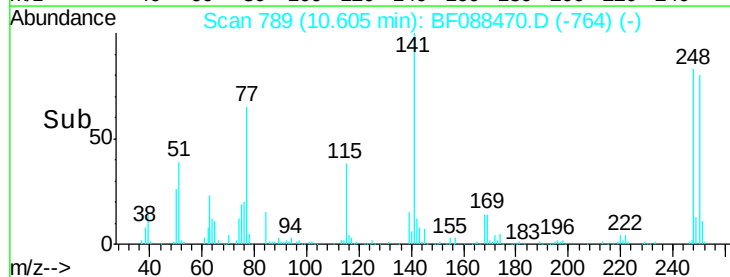
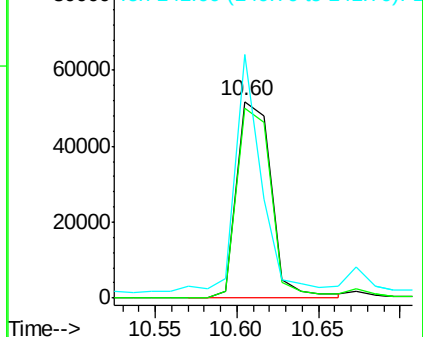
141 124.0 50.6 76.0#

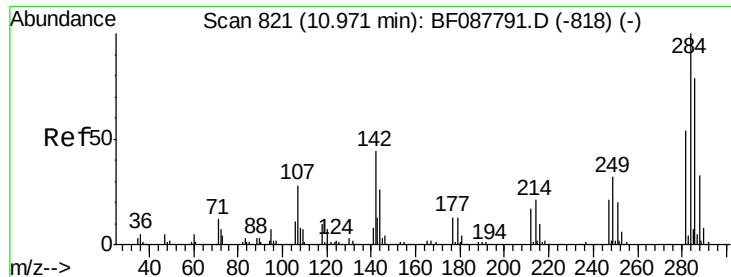


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 45.19 ng

RT: 10.67 min Scan# 795

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

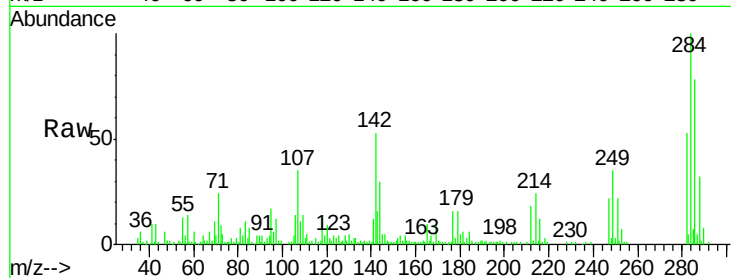
Tot Ion:284 Resp: 74144

Ion Ratio Lower Upper

284 100

142 53.2 35.8 53.8

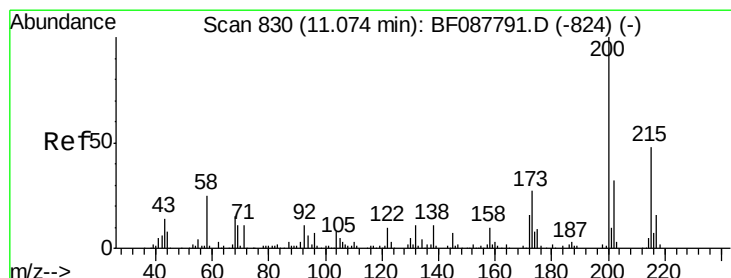
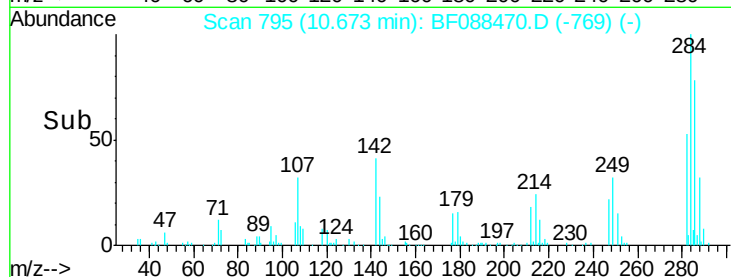
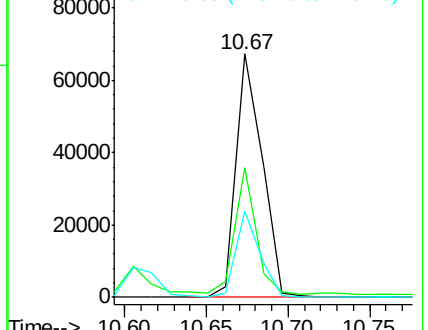
249 35.4 25.8 38.6



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 50.73 ng

RT: 10.79 min Scan# 805

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

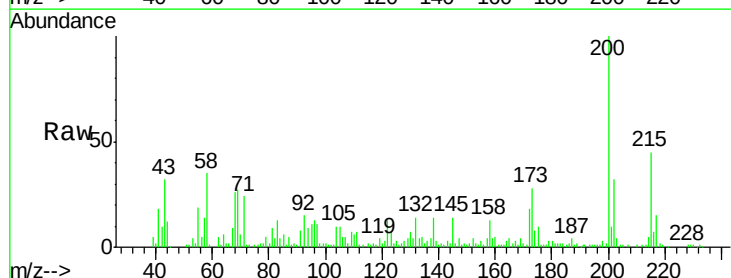
Tgt Ion:200 Resp: 75020

Ion Ratio Lower Upper

200 100

173 28.2 4.0 44.0

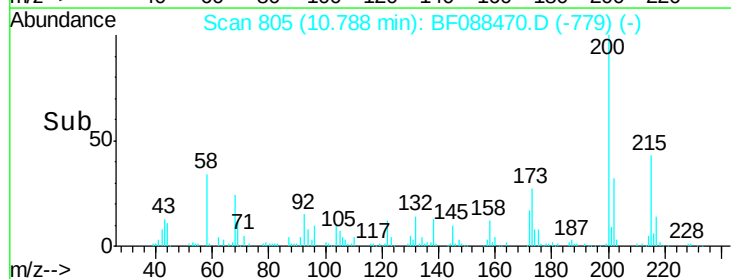
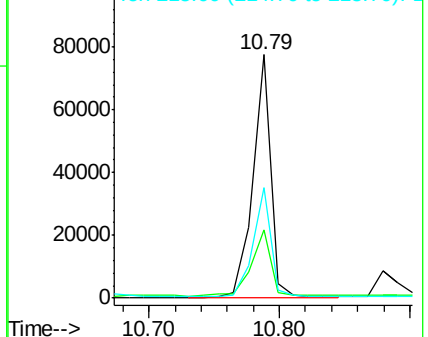
215 45.2 29.3 69.3

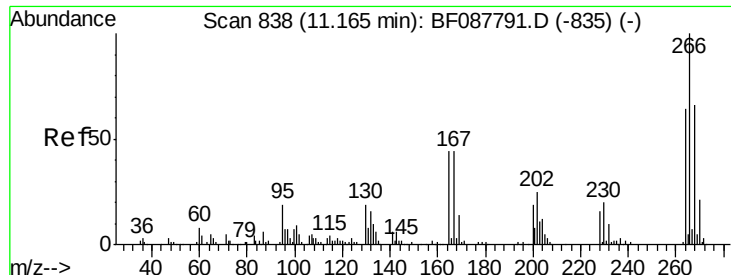


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

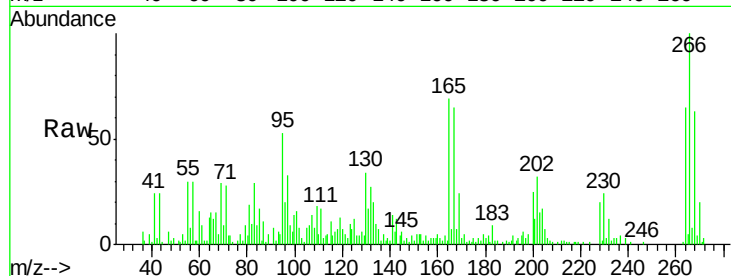




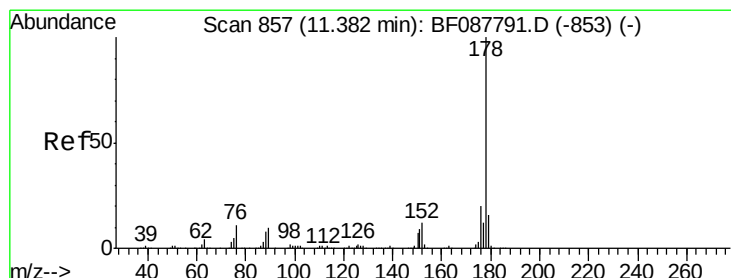
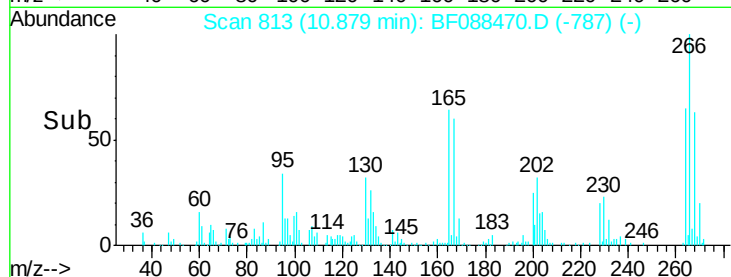
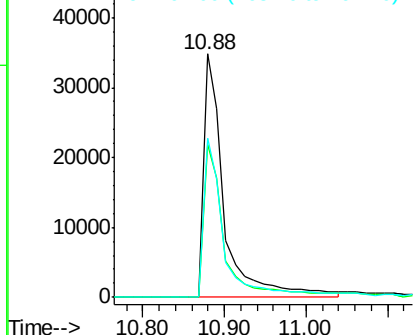
#69
 Pentachlorophenol
 Concen: 72.08 ng
 RT: 10.88 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Tot Ion:266 Resp: 62342
 Ion Ratio Lower Upper
 266 100
 268 62.7 52.8 79.2
 264 65.2 49.6 74.4

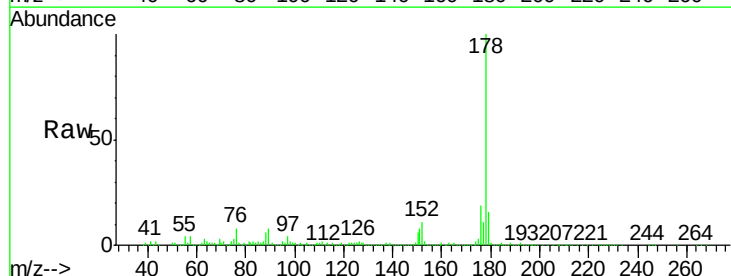


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

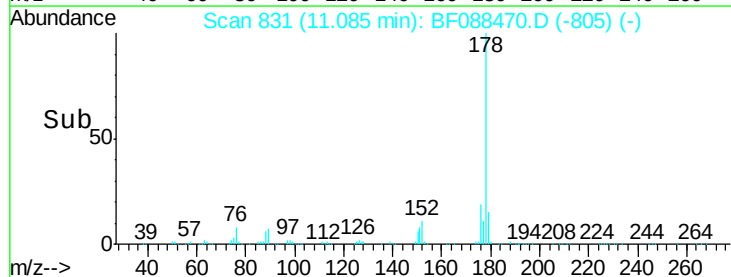
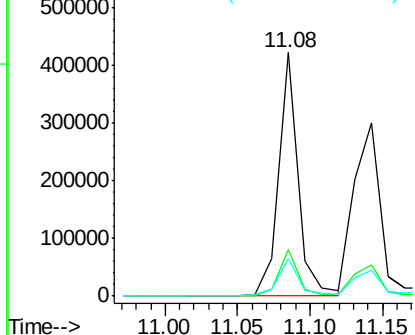


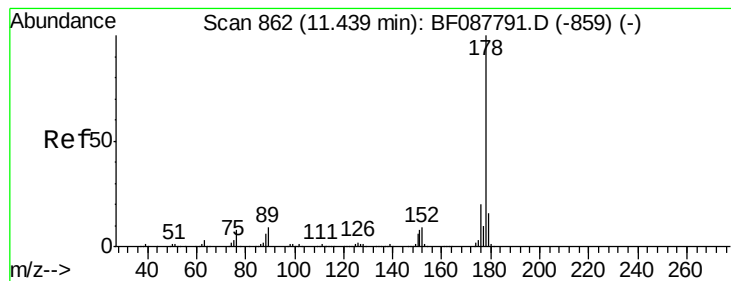
#70
 Phenanthrene
 Concen: 50.72 ng
 RT: 11.08 min Scan# 831
 Delta R.T. 0.00 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

Tgt Ion:178 Resp: 391730
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.6
 179 15.6 13.0 19.4



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: 50.97 ng

RT: 11.14 min Scan# 836

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

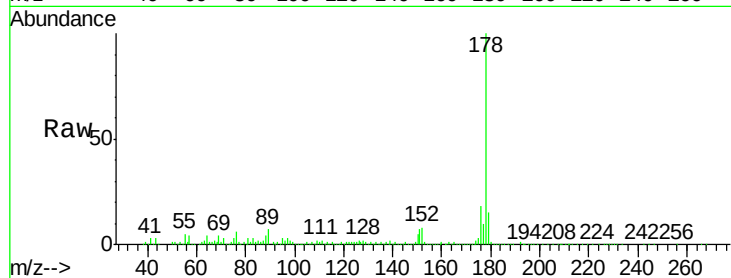
Tot Ion:178 Resp: 397086

Ion Ratio Lower Upper

178 100

176 18.2 15.6 23.4

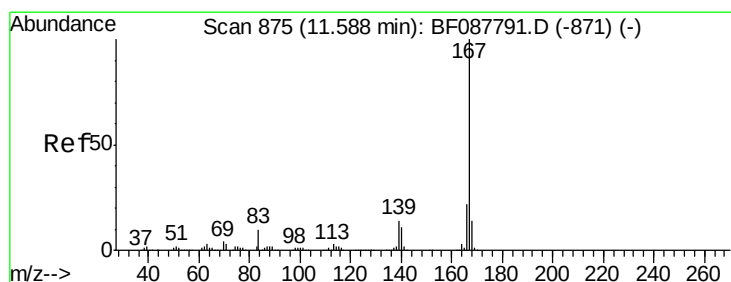
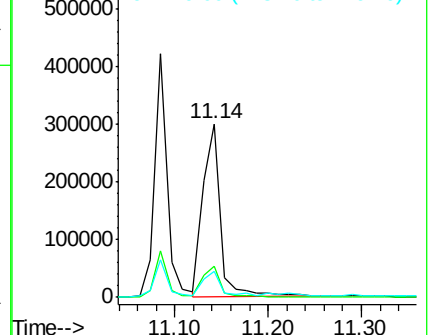
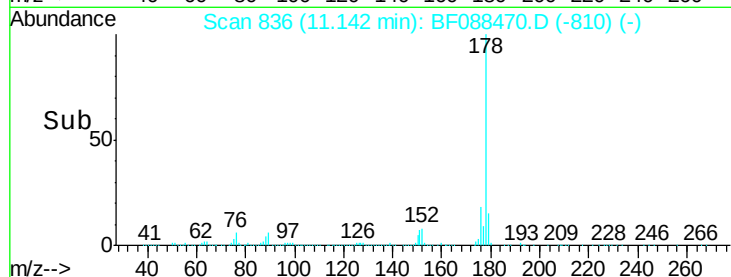
179 15.2 12.8 19.2



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: 51.39 ng

RT: 11.30 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

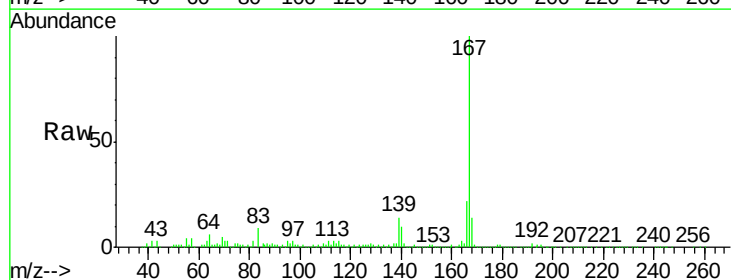
Tgt Ion:167 Resp: 374645

Ion Ratio Lower Upper

167 100

166 21.5 17.8 26.6

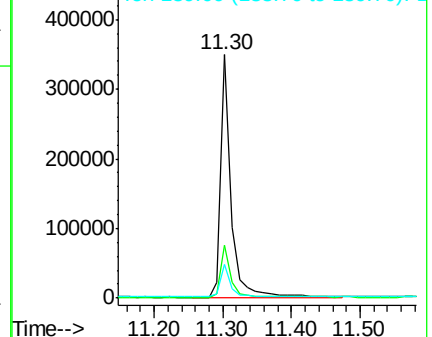
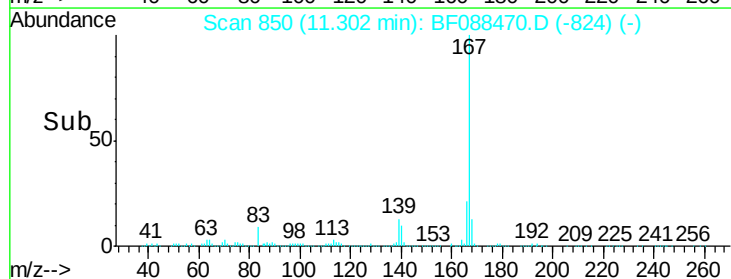
139 13.7 11.2 16.8

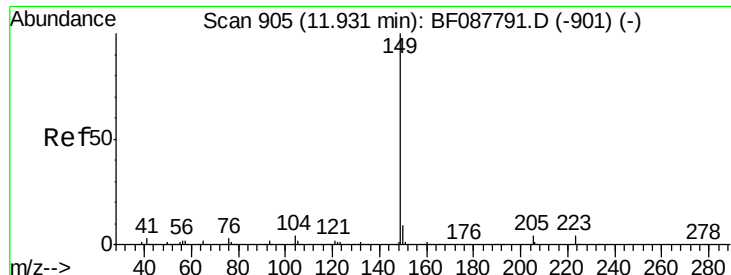


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 46.11 ng

RT: 11.63 min Scan# 879

Delta R.T. 0.00 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

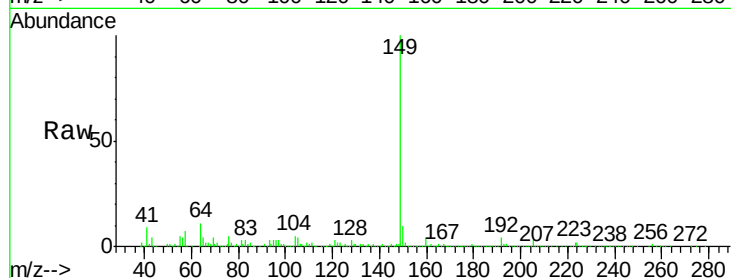
Tot Ion:149 Resp: 425567

Ion Ratio Lower Upper

149 100

150 9.5 7.8 11.6

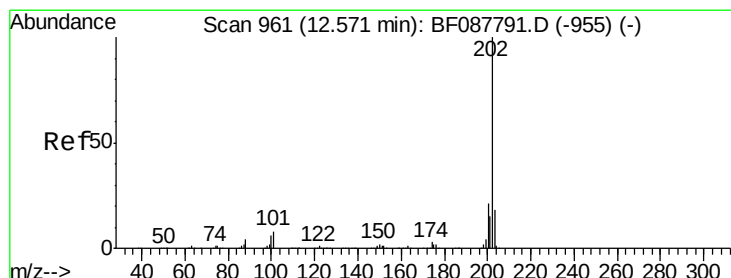
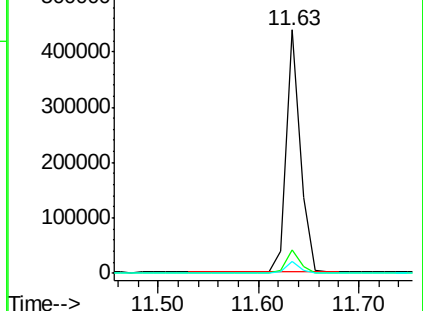
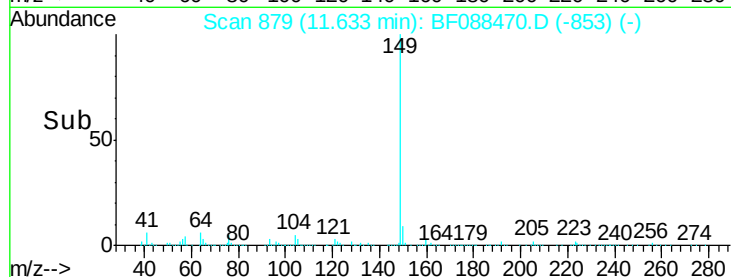
104 5.0 4.0 6.0



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: 43.16 ng

RT: 12.27 min Scan# 935

Delta R.T. 0.01 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

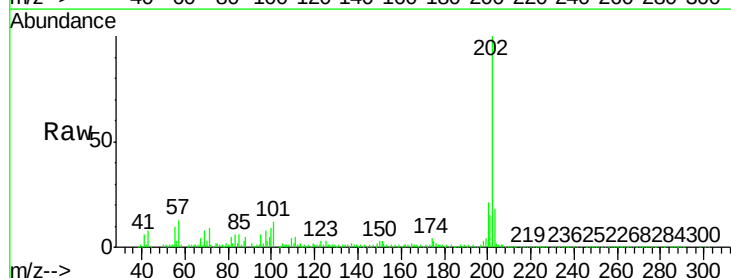
Tgt Ion:202 Resp: 351814

Ion Ratio Lower Upper

202 100

101 11.5 0.0 33.1

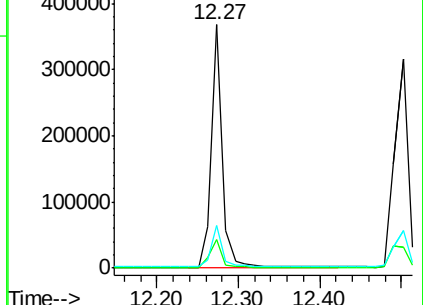
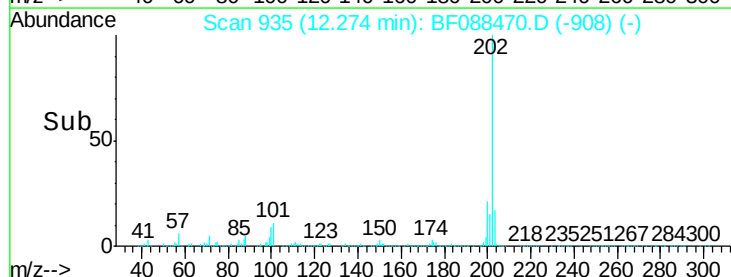
203 17.8 0.0 38.1

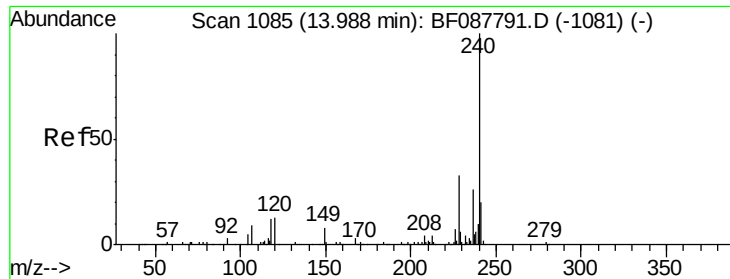


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.70 min Scan# 1060

Delta R.T. 0.01 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

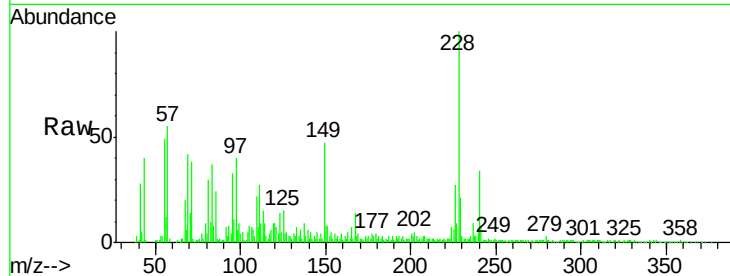
Tot Ion:240 Resp: 86060

Ion Ratio Lower Upper

240 100

120 26.0 6.8 10.2#

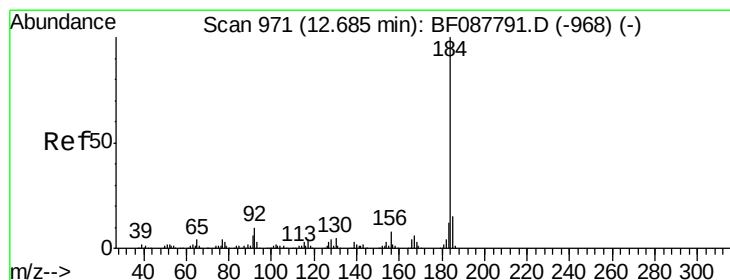
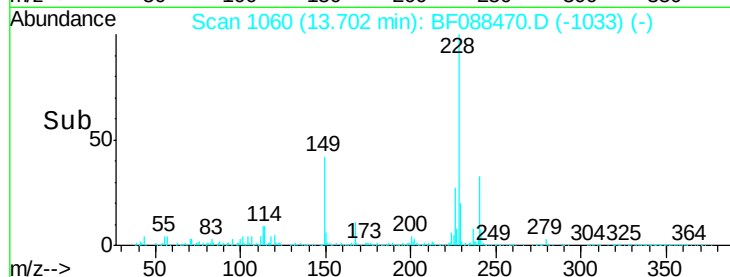
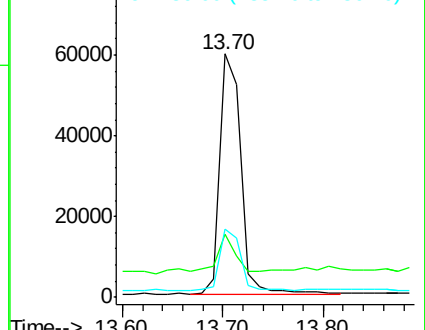
236 27.9 20.2 30.2



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: 5.06 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.02 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

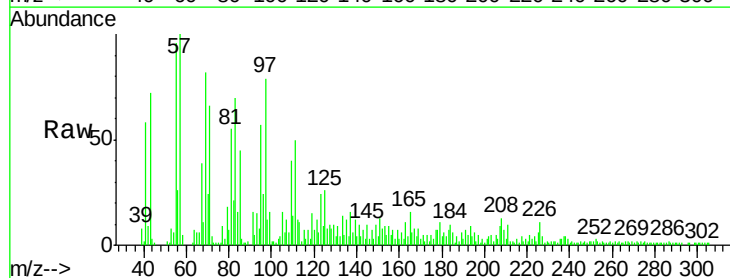
Tgt Ion:184 Resp: 12069

Ion Ratio Lower Upper

184 100

185 55.3 12.5 18.7#

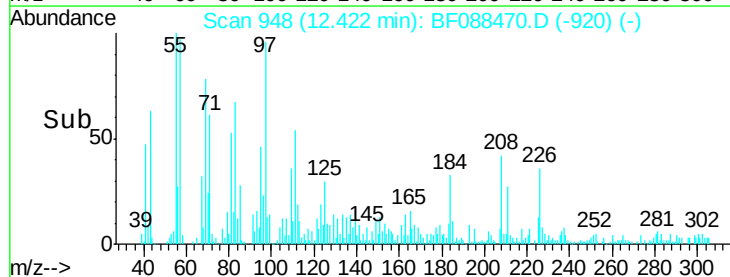
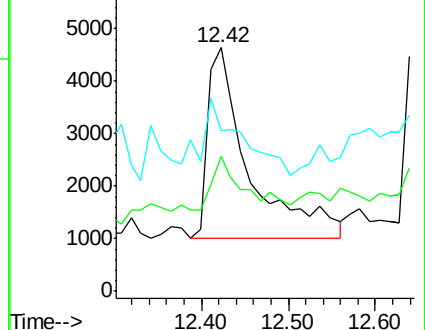
183 65.7 9.3 13.9#

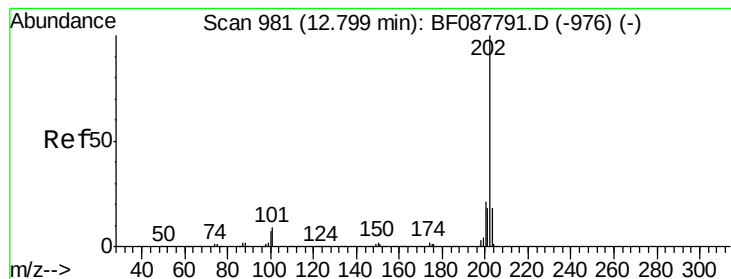


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 56.53 ng

RT: 12.50 min Scan# 955

Delta R.T. 0.01 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

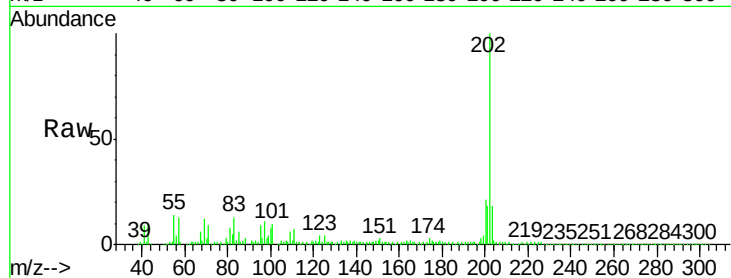
Tot Ion:202 Resp: 360997

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

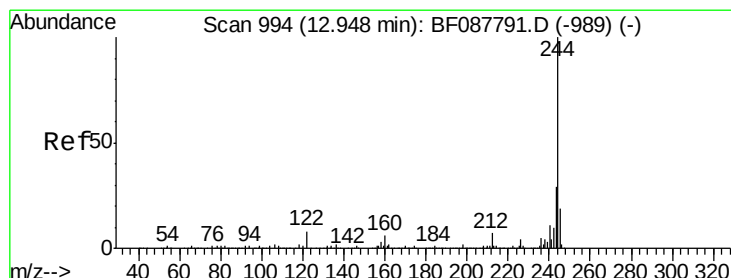
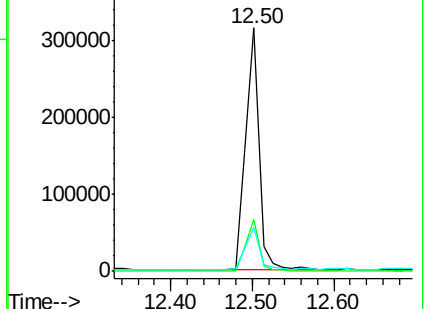
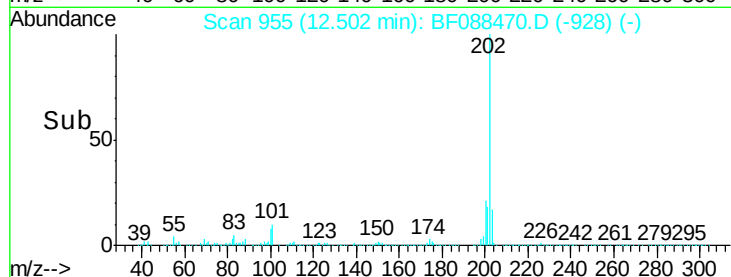
203 18.0 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 107.37 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.01 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

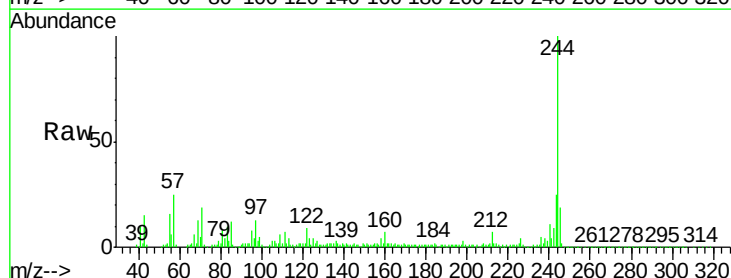
Tgt Ion:244 Resp: 406070

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

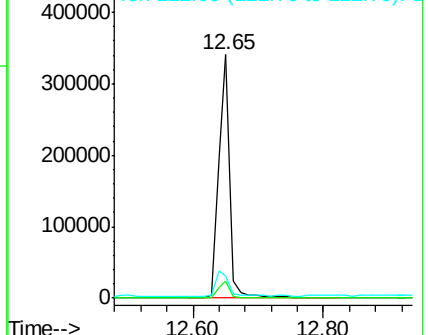
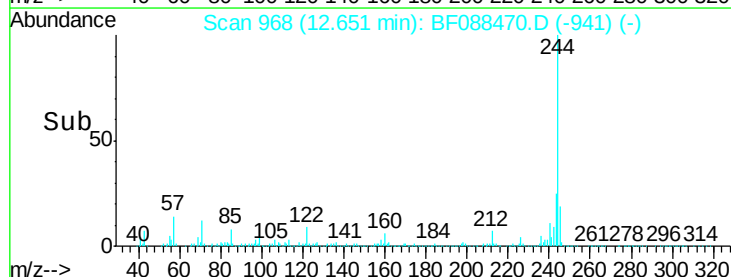
122 9.3 11.2 16.8#

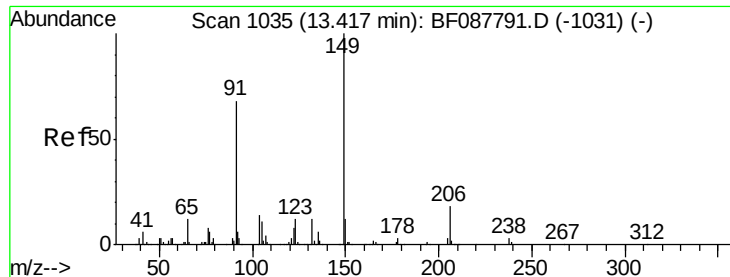


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

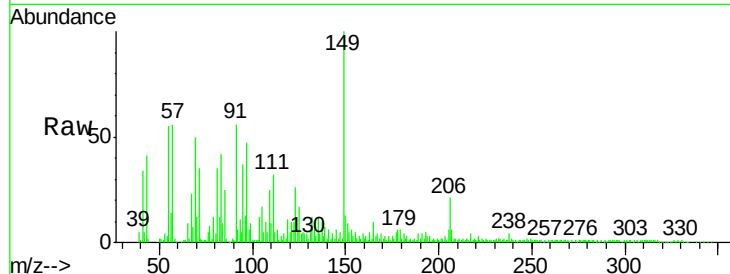




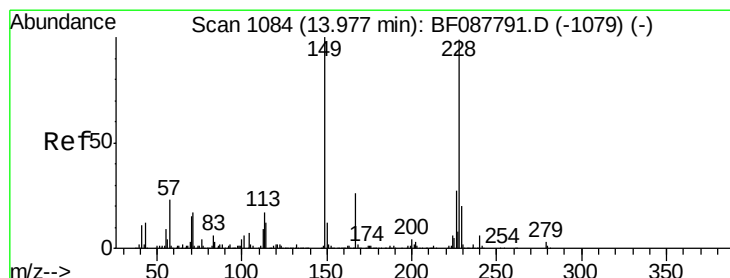
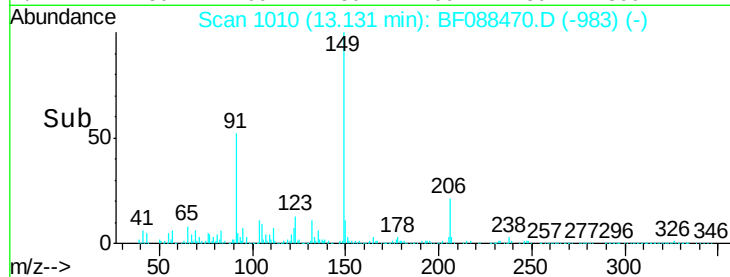
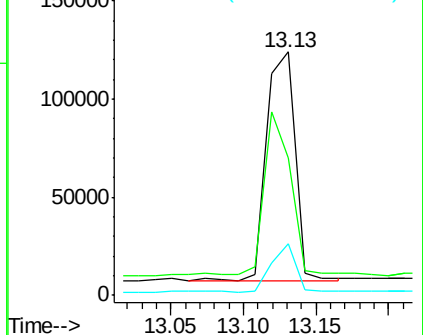
#79
Butylbenzylphthalate
Concen: 56.85 ng
RT: 13.13 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tot Ion:149 Resp: 160502
Ion Ratio Lower Upper
149 100
91 56.4 48.0 72.0
206 21.3 16.0 24.0

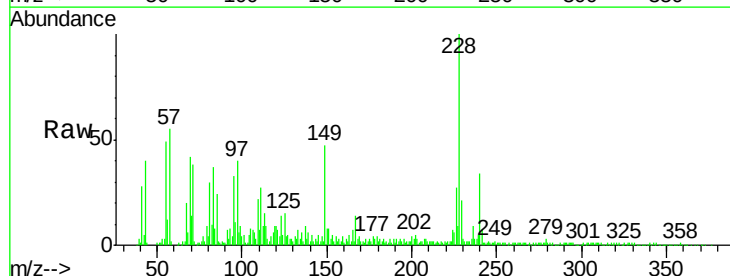


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

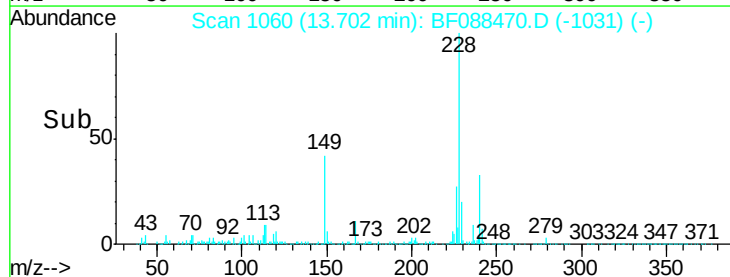
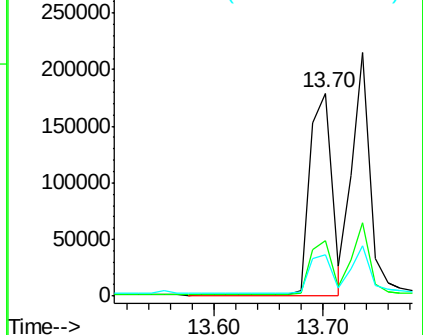


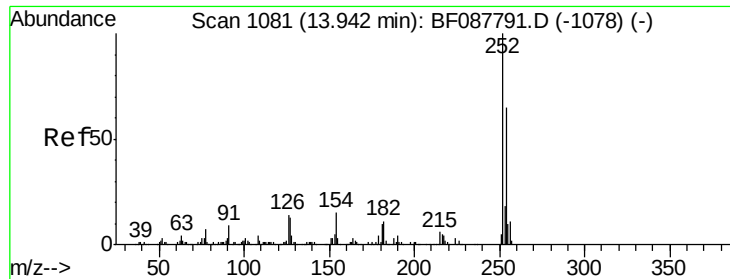
#80
Benzo(a)anthracene
Concen: 50.58 ng
RT: 13.70 min Scan# 1060
Delta R.T. 0.03 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Tgt Ion:228 Resp: 248068
Ion Ratio Lower Upper
228 100
226 27.3 22.3 33.5
229 20.6 16.0 24.0



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

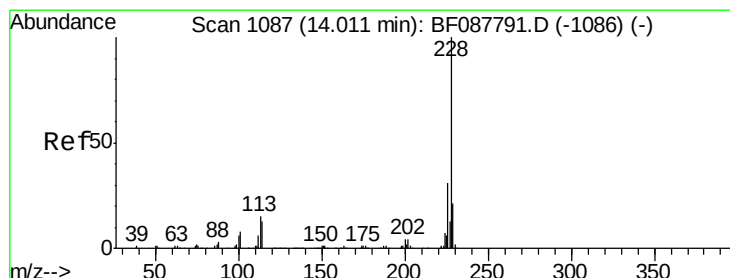
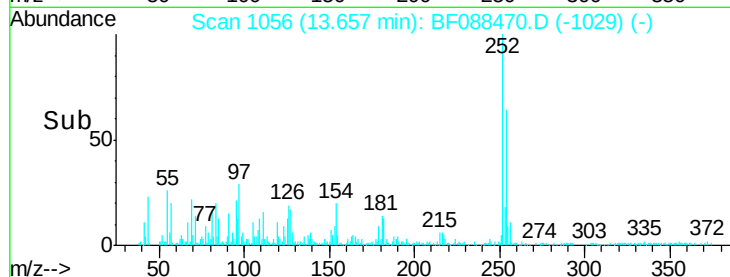
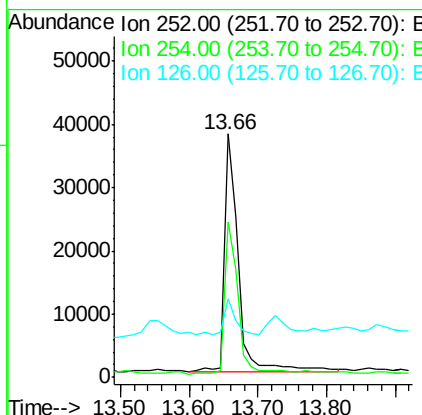
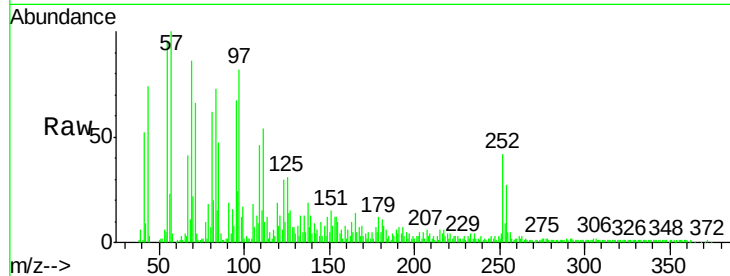




#81
 3,3'-Dichlorobenzidine
 Concen: 40.10 ng
 RT: 13.66 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

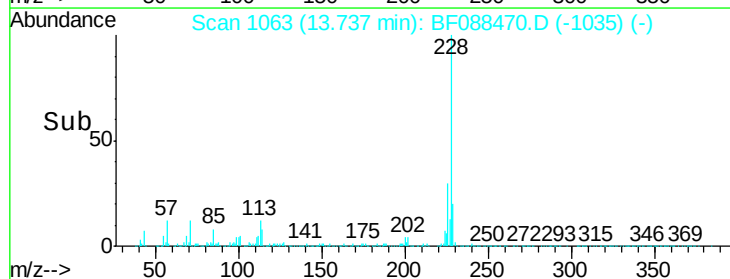
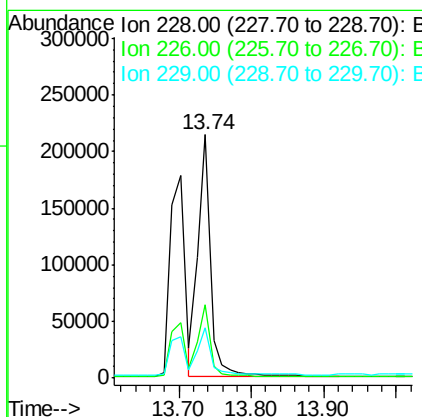
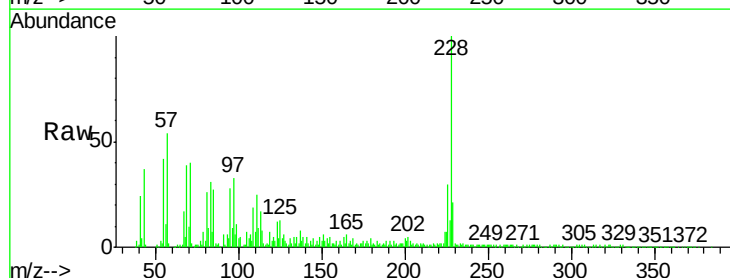
Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

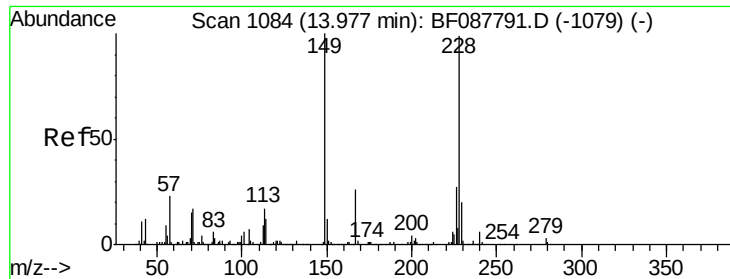
Tot Ion	Ratio	Lower	Upper
252	100		
254	63.9	52.6	78.8
126	32.2	6.2	9.2#



#82
 Chrysene
 Concen: 56.67 ng
 RT: 13.74 min Scan# 1063
 Delta R.T. 0.02 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.2
229	20.8	16.3	24.5

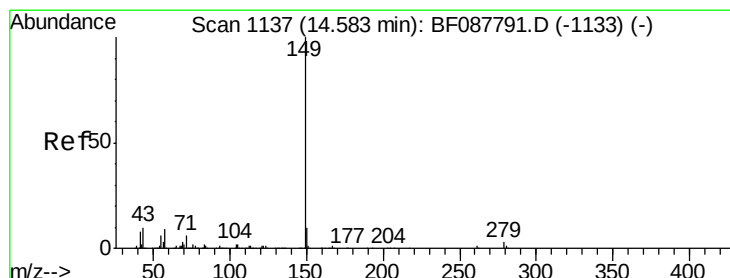
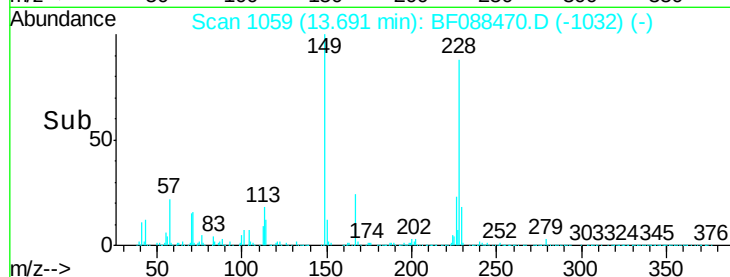
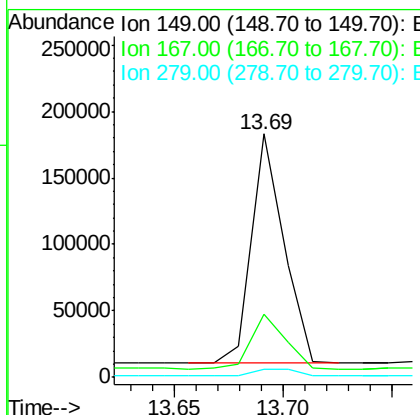
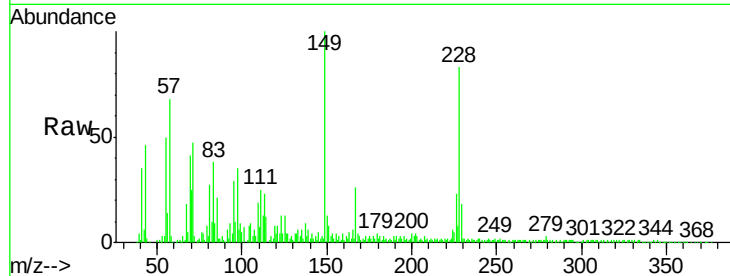




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 52.04 ng
 RT: 13.69 min Scan# 1059
 Delta R.T. 0.01 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

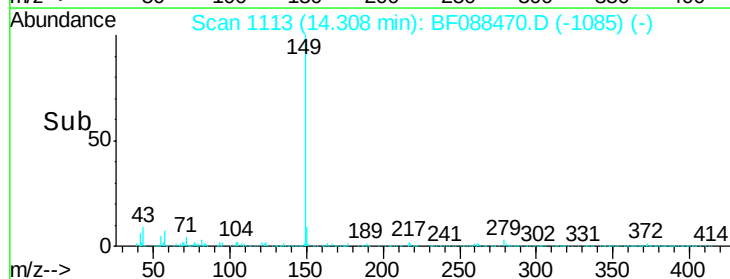
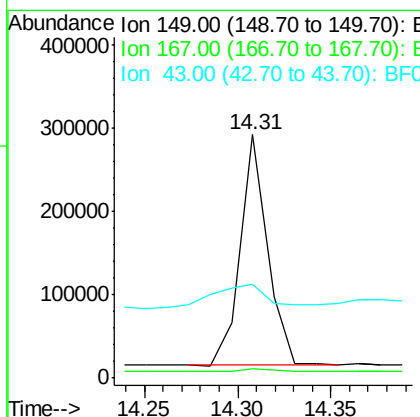
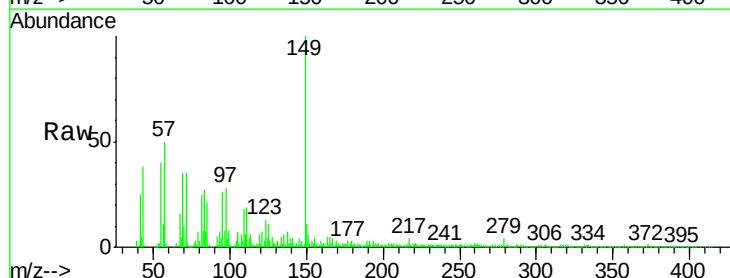
Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

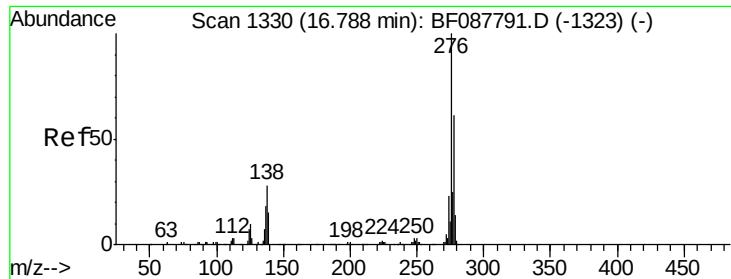
Tot Ion:149 Resp: 178849
 Ion Ratio Lower Upper
 149 100
 167 26.0 20.5 30.7
 279 3.1 2.0 3.0#



#84
 Di-n-octyl phthalate
 Concen: 50.76 ng
 RT: 14.31 min Scan# 1113
 Delta R.T. 0.02 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

Tgt Ion:149 Resp: 283464
 Ion Ratio Lower Upper
 149 100
 167 1.3 0.0 0.0#
 43 22.5 0.0 0.0#

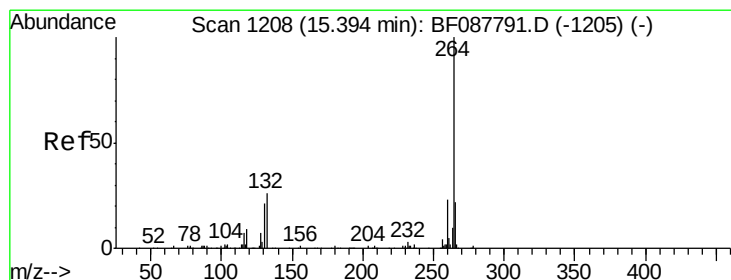
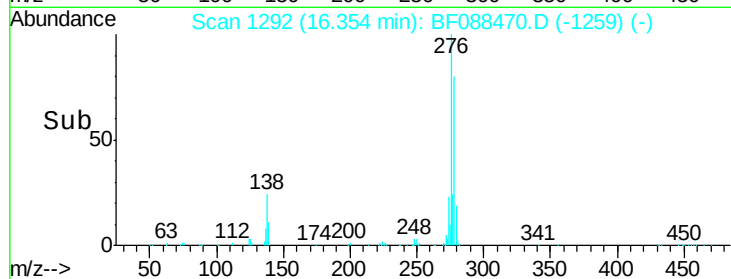
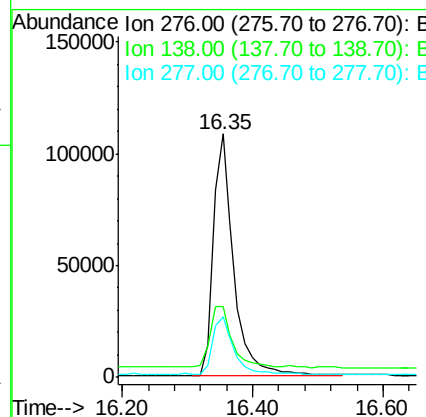
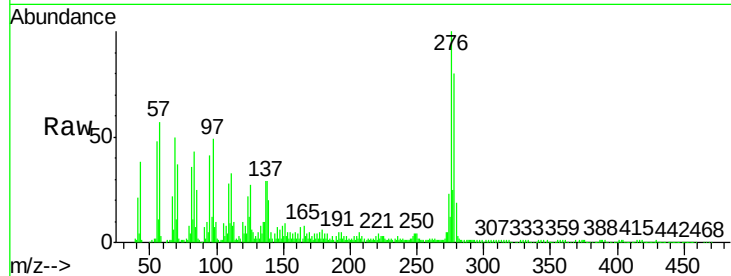




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 55.40 ng
 RT: 16.35 min Scan# 1292
 Delta R.T. 0.08 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

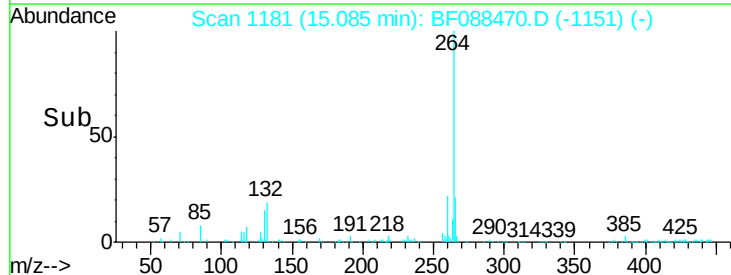
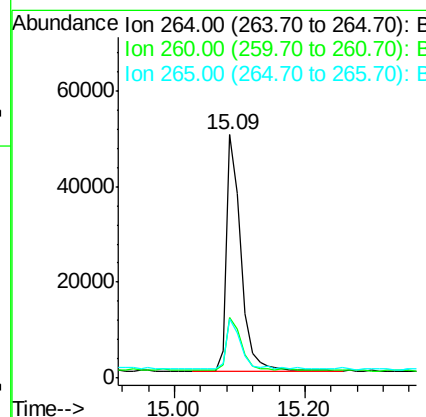
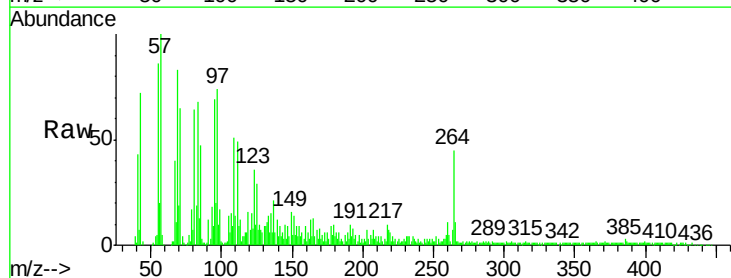
Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

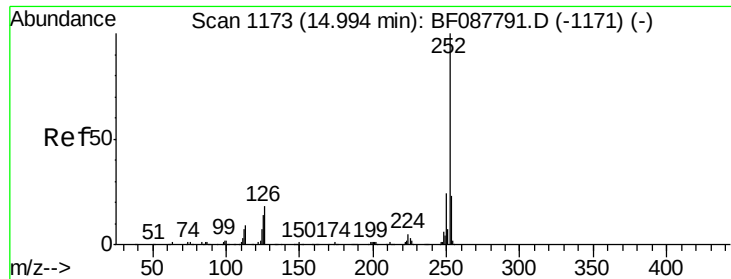
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.9	0.0	0.0#
277	24.8	0.0	0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1181
 Delta R.T. 0.05 min
 Lab File: BF088470.D
 Acq: 28 Jun 2016 00:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	24.6	16.9	25.3

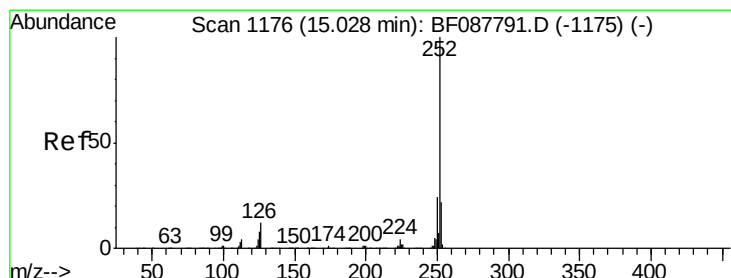
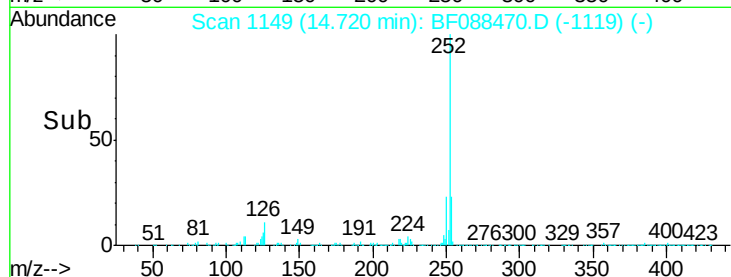
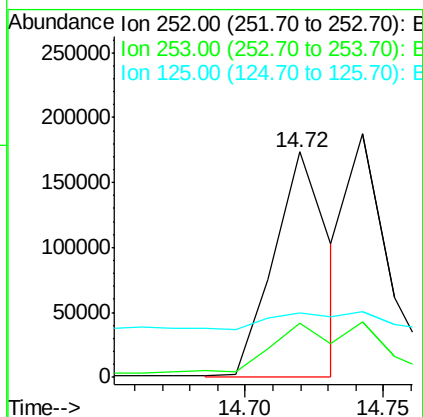
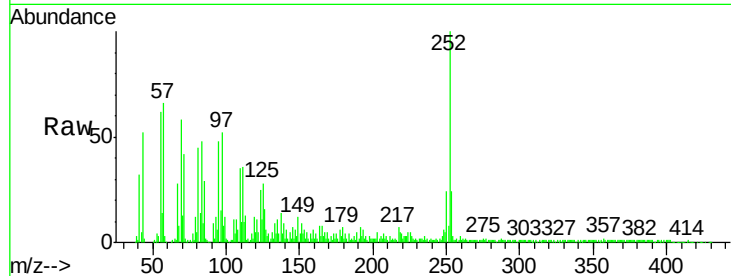




#87
Benzo(b)fluoranthene
Concen: 44.54 ng m
RT: 14.72 min Scan# 1149
Delta R.T. 0.05 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

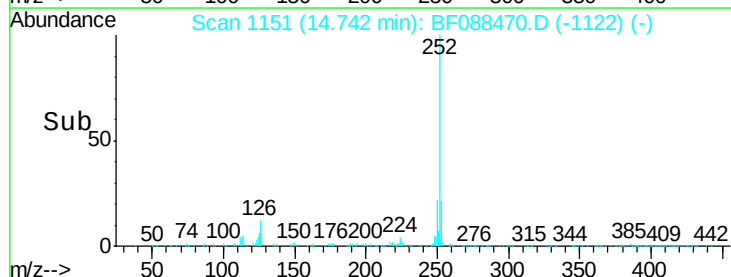
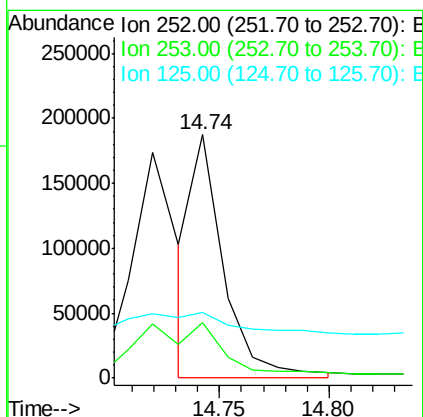
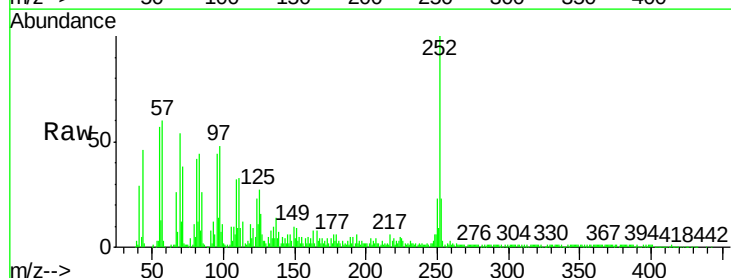
Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

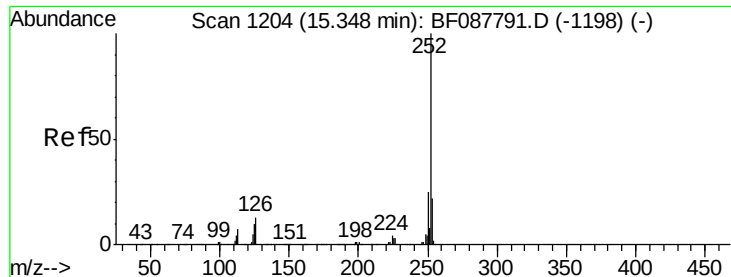
Tot Ion:252 Resp: 243022
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 28.4 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 47.11 ng m
RT: 14.74 min Scan# 1151
Delta R.T. 0.03 min
Lab File: BF088470.D
Acq: 28 Jun 2016 00:17

Tgt Ion:252 Resp: 193897
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 27.0 11.2 16.8#





#89

Benzo(a)pyrene

Concen: 49.31 ng

RT: 15.04 min Scan# 1177

Delta R.T. 0.06 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

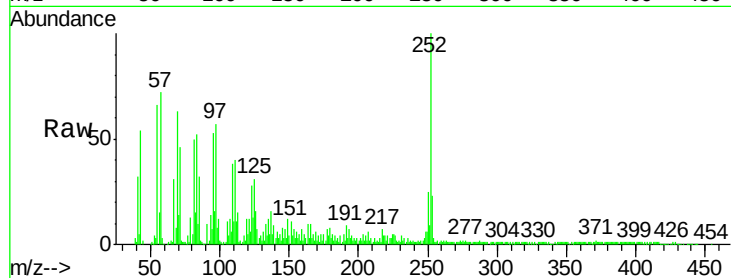
Tot Ion:252 Resp: 217673

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

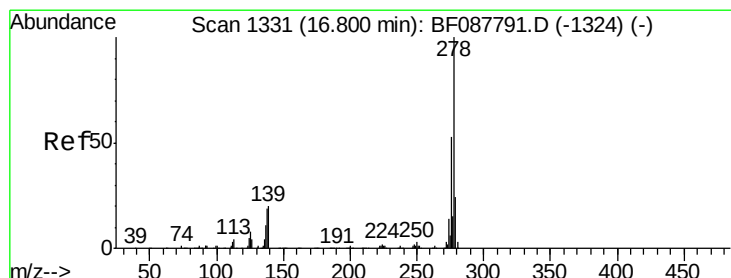
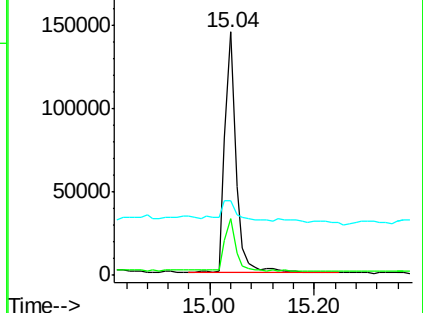
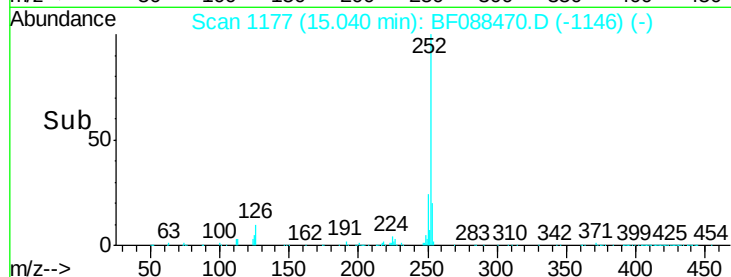
125 30.6 12.5 18.7#



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: 50.46 ng

RT: 16.35 min Scan# 1292

Delta R.T. 0.08 min

Lab File: BF088470.D

Acq: 28 Jun 2016 00:17

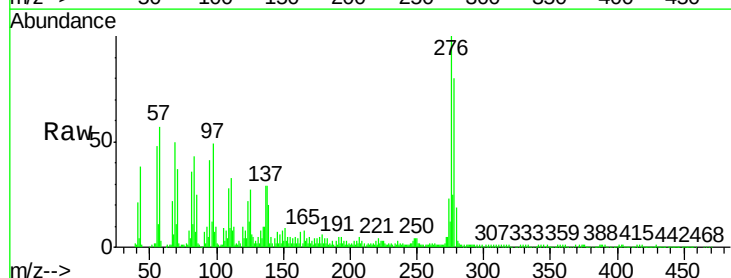
Tgt Ion:278 Resp: 206855

Ion Ratio Lower Upper

278 100

139 25.5 15.7 23.5#

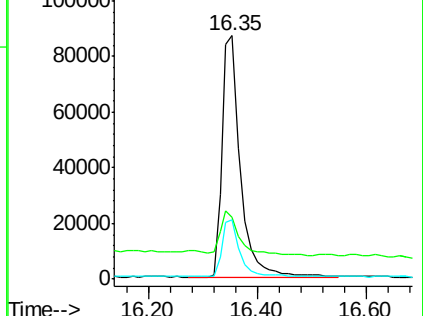
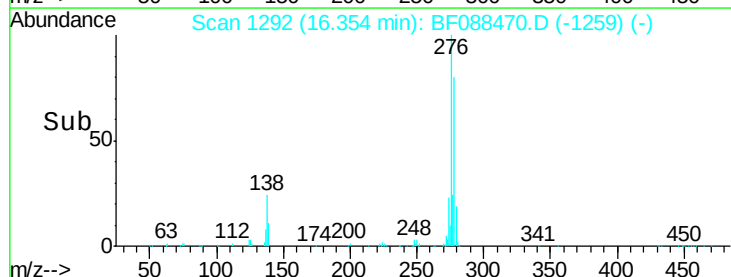
279 24.1 19.4 29.2

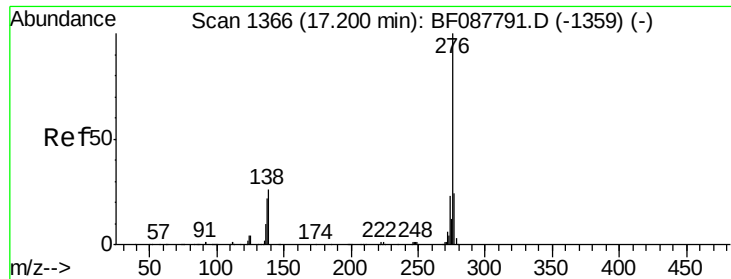


Abundance Ion 278.00 (277.70 to 278.70): E

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: 47.36 ng

RT: 16.72 min Scan# 1324

Delta R.T. 0.09 min

Lab File: BF088470.D

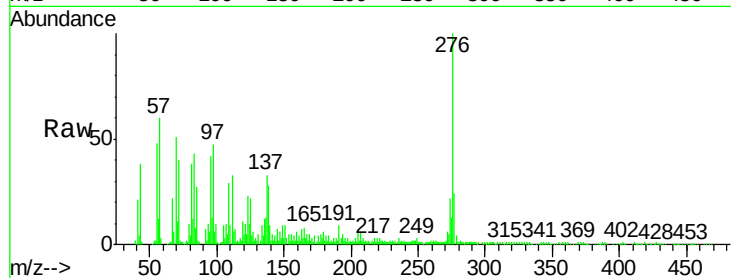
Acq: 28 Jun 2016 00:17

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD



Tot Ion: 276 Resp: 199723

Ion Ratio Lower Upper

276 100

277 24.1 18.9 28.3

138 27.7 21.4 32.2

