

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
 Data File : BF084715.D
 Acq On : 1 Feb 2016 18:00
 Operator : SJ/IZ
 Sample : H1256-18
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9024

Quant Time: Feb 03 16:52:52 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	177532	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	763762	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	336014	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	648689	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	429842	20.00	ng	-0.01
86) Perylene-d12	15.24	264	372622	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1129105	99.06	ng	0.00
7) Phenol-d6	6.36	99	1373922	97.23	ng	-0.01
23) Nitrobenzene-d5	7.29	82	865642	63.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	390488	111.41	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	1546348	74.31	ng	-0.01
78) Terphenyl-d14	12.82	244	1539691	81.17	ng	-0.01

Target Compounds				Qvalue		
8) 2-Chlorophenol	6.50	128	1431375	110.95	ng	89
10) Phenol	6.37	94	352729	22.28	ng	97
11) bis(2-Chloroethyl)ether	6.45	93	724160	58.67	ng	# 80
14) 1,2-Dichlorobenzene	6.89	146	1318979	103.93	ng	98
17) 2-Methylphenol	6.99	107	669725	65.64	ng	97
18) Hexachloroethane	7.23	117	514567	98.06	ng	# 88
19) n-Nitroso-di-n-propylamine	7.16	70	1328081	149.94	ng	# 76
20) 3+4-Methylphenols	7.15	107	1118260	88.30	ng	85
24) Nitrobenzene	7.31	77	1736989	119.64	ng	99
25) Isophorone	7.55	82	2016918	76.50	ng	99
26) 2-Nitrophenol	7.63	139	771026	107.68	ng	98
28) bis(2-Chloroethoxy)methane	7.77	93	1403677	89.75	ng	97
29) 2,4-Dichlorophenol	7.87	162	746252	70.02	ng	97
30) 1,2,4-Trichlorobenzene	7.95	180	442511	36.76	ng	# 94
31) Naphthalene	8.03	128	3853489	100.58	ng	96
34) Hexachlorobutadiene	8.14	225	423160	60.97	ng	99
36) 4-Chloro-3-methylphenol	8.57	107	1307484	107.54	ng	97
42) 2,4,6-Trichlorophenol	9.00	196	333171	48.46	ng	94
43) 2,4,5-Trichlorophenol	9.04	196	622837	89.16	ng	# 88
46) 2-Chloronaphthalene	9.21	162	2139152	96.78	ng	92
54) Dibenzofuran	9.96	168	1890229	70.88	ng	98
56) 2,4-Dinitrotoluene	9.95	165	373955	52.44	ng	# 86
57) Fluorene	10.30	166	2046230	91.88	ng	99
59) Diethylphthalate	10.19	149	2622899	104.96	ng	97
60) 4-Chlorophenyl-phenylether	10.30	204	1304201	157.59	ng	97
66) 4-Bromophenyl-phenylether	10.78	248	849852	118.61	ng	# 77
67) Hexachlorobenzene	10.85	284	514537	65.91	ng	# 91
69) Pentachlorophenol	11.05	266	505143	137.68	ng	99
70) Phenanthrene	11.25	178	1592520	44.26	ng	97
71) Anthracene	11.31	178	2229720	61.50	ng	97
74) Fluoranthene	12.44	202	3360901	92.29	ng	97
77) Pyrene	12.67	202	2917298	88.64	ng	96
79) Butylbenzylphthalate	13.30	149	1829580	122.55	ng	87
80) Benzo(a)anthracene	13.85	228	806998	30.25	ng	99

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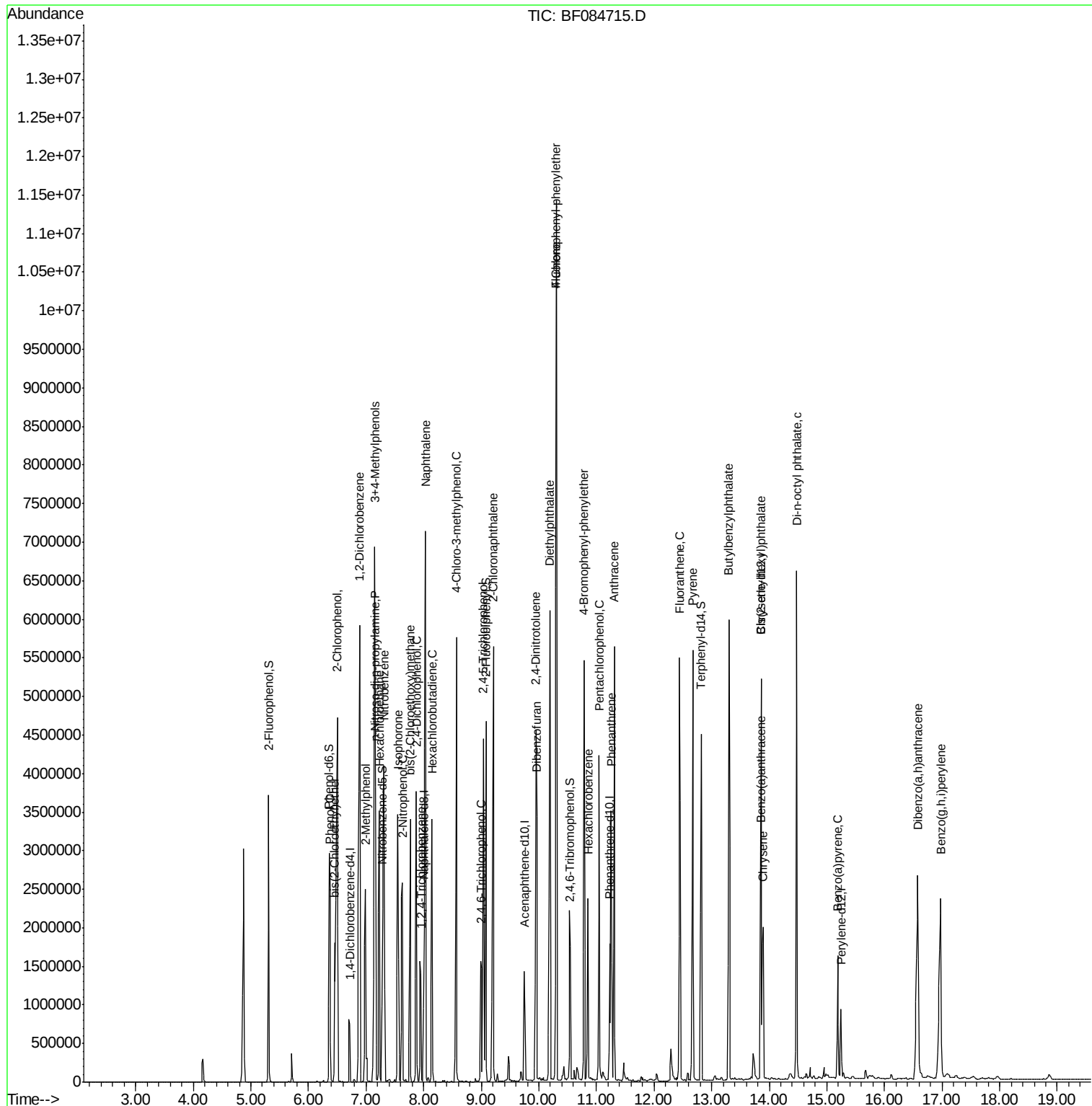
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	13.89	228	1047940	40.51	nq	100
83) Bis(2-ethylhexyl)phthalate	13.86	149	868236	46.73	nq #	96
84) Di-n-octyl phthalate	14.48	149	3825599	124.81	nq #	88
89) Benzo(a)pyrene	15.19	252	810938	38.01	nq #	96
90) Dibenzo(a,h)anthracene	16.58	278	2050109	114.17	nq	97
91) Benzo(a,h,i)perylene	16.98	276	2505979	138.54	nq	97

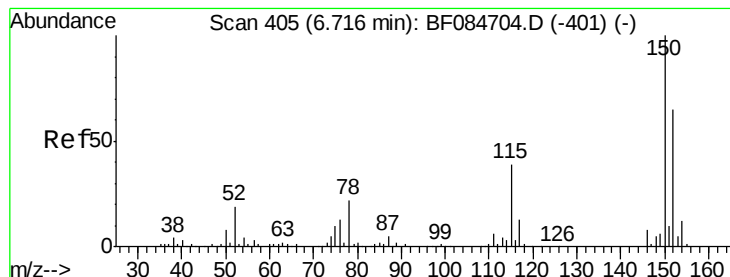
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Instrument :

BNA_F

ClientSampleId :

9024

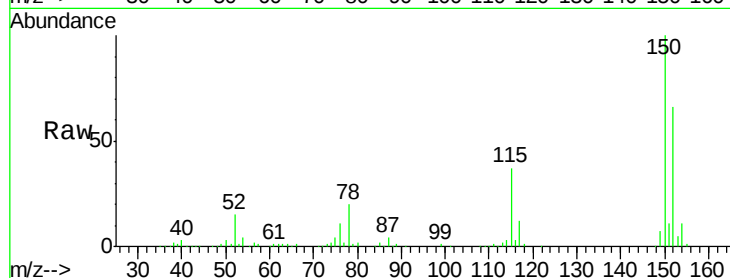
Tot Ion:152 Resp: 177532

Ion Ratio Lower Upper

152 100

150 152.2 123.0 184.4

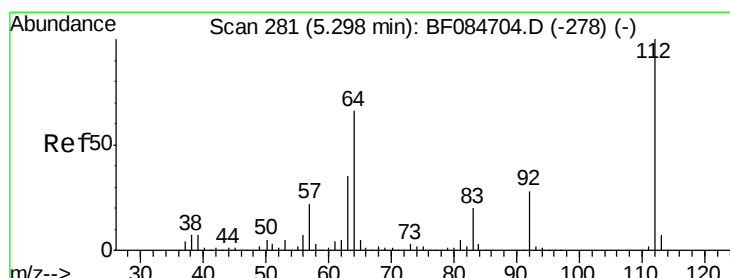
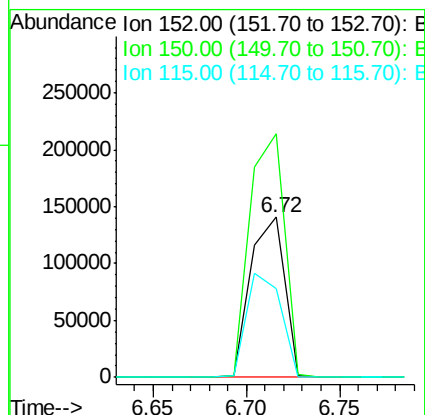
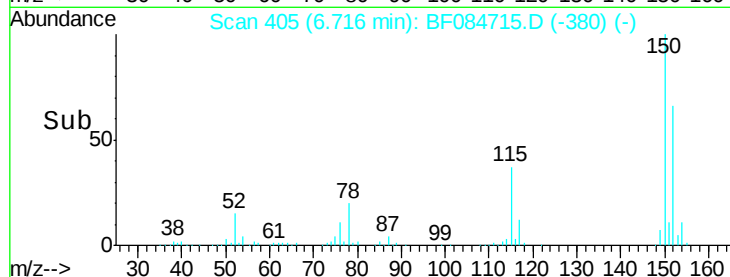
115 55.7 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 99.06 ng

RT: 5.31 min Scan# 282

Delta R.T. 0.00 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

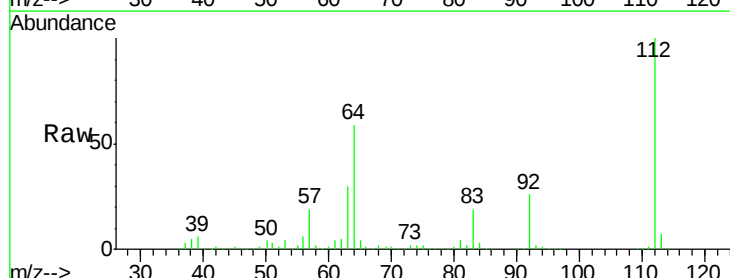
Tgt Ion:112 Resp: 1129105

Ion Ratio Lower Upper

112 100

64 58.6 36.6 55.0#

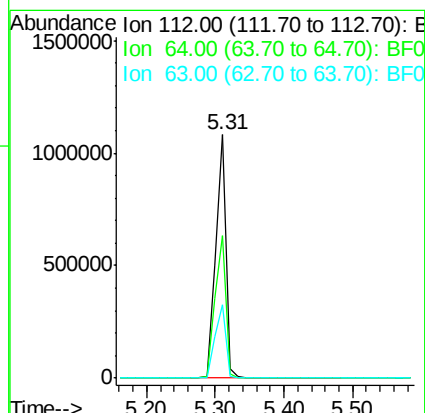
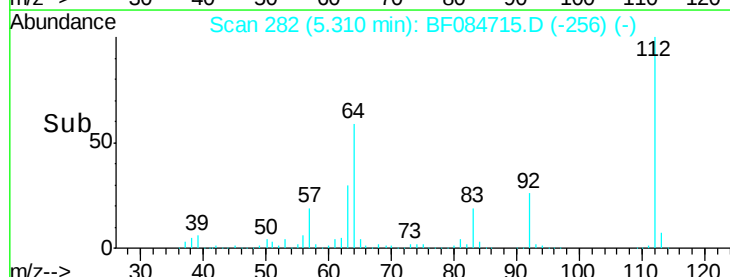
63 30.2 19.4 29.0#

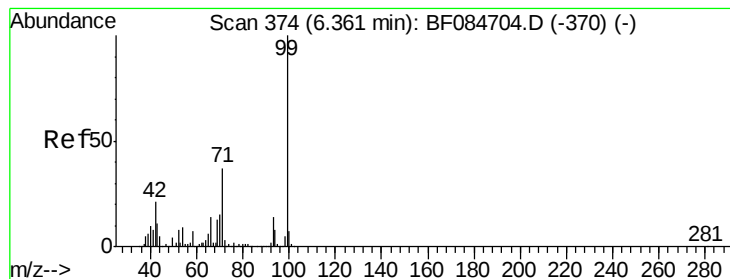


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.23 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Instrument :

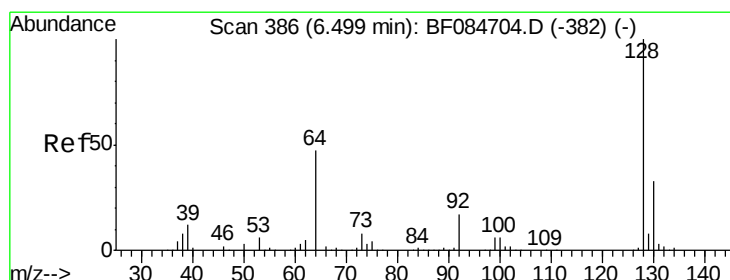
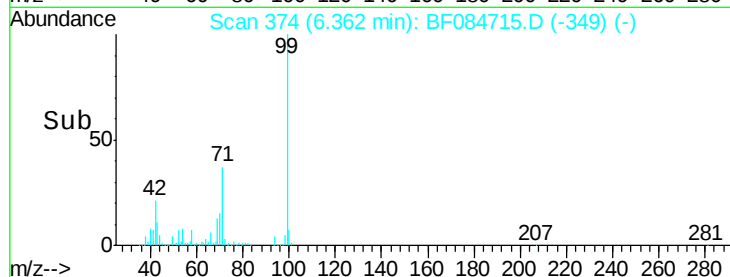
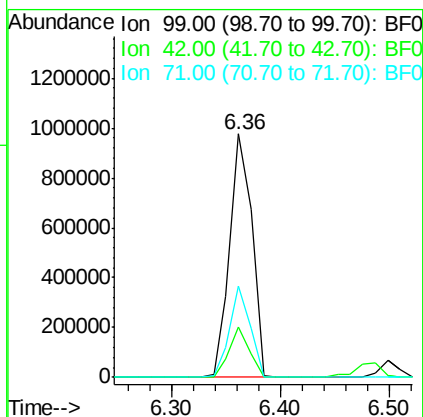
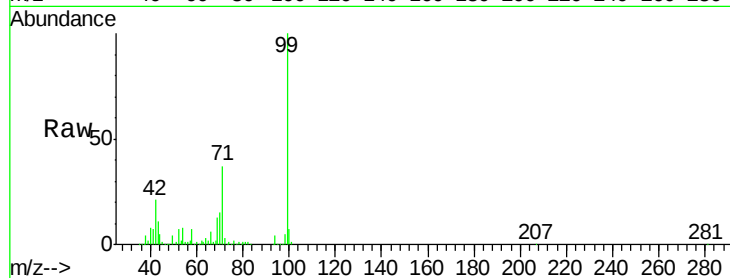
BNA_F

ClientSampleId :

9024

Tot Ion: 99 Resp: 1373922

Ion	Ratio	Lower	Upper
99	100		
42	20.9	12.8	19.2#
71	37.3	30.9	46.3



#8

2-Chlorophenol

Concen: 110.95 ng

RT: 6.50 min Scan# 386

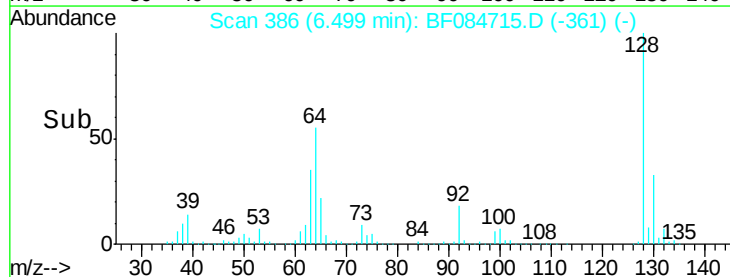
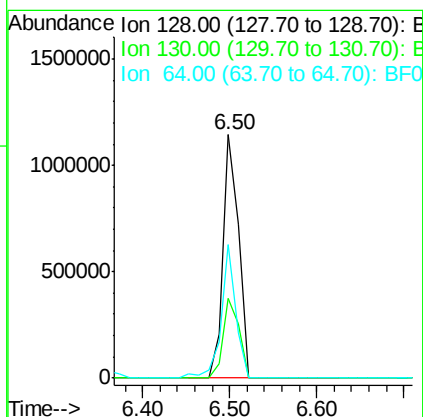
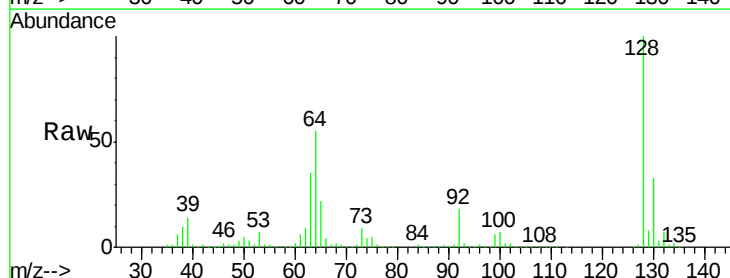
Delta R.T. -0.01 min

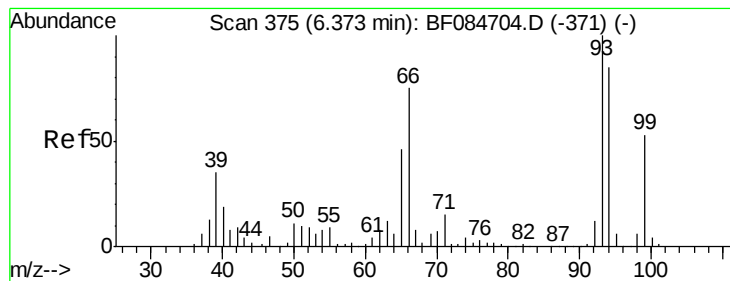
Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Tgt Ion: 128 Resp: 1431375

Ion	Ratio	Lower	Upper
128	100		
130	32.9	11.6	51.6
64	55.0	23.8	63.8





#10

Phenol

Concen: 22.28 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Instrument :

BNA_F

ClientSampleId :

9024

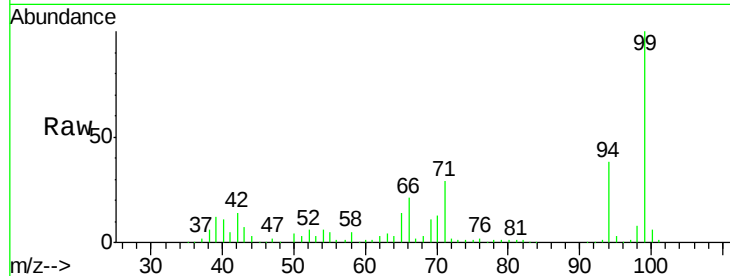
Tot Ion: 94 Resp: 352729

Ion Ratio Lower Upper

94 100

65 35.4 12.9 52.9

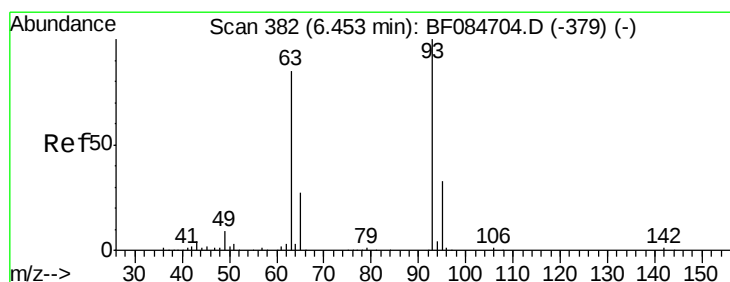
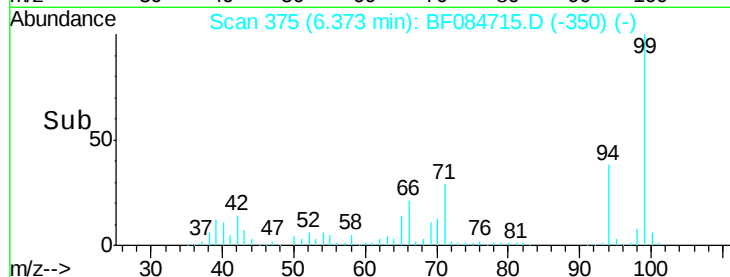
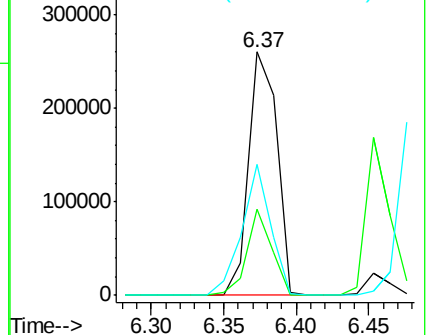
66 53.9 32.7 72.7



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 58.67 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

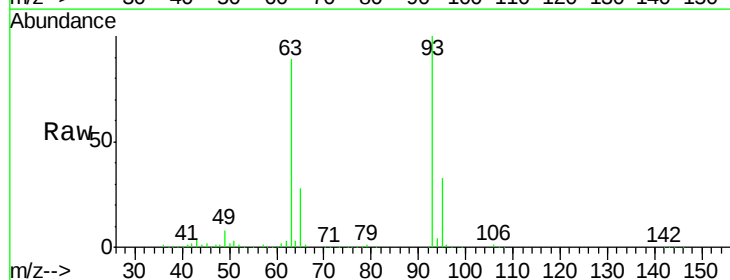
Tgt Ion: 93 Resp: 724160

Ion Ratio Lower Upper

93 100

63 89.5 45.9 85.9#

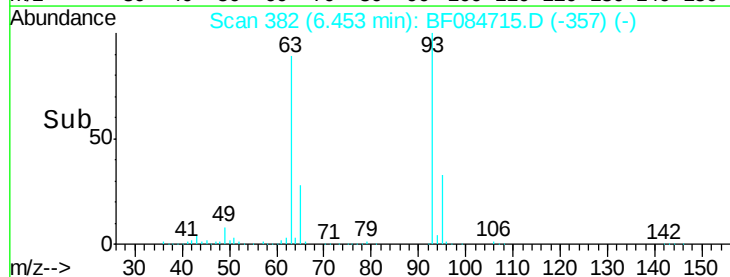
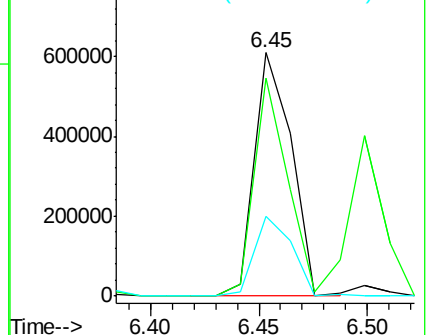
95 32.7 12.3 52.3

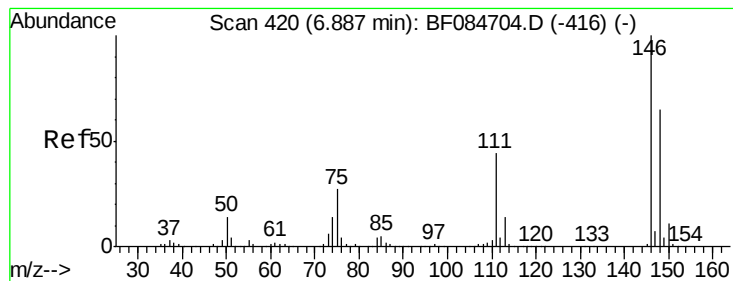


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#14

1,2-Dichlorobenzene

Concen: 103.93 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Instrument :

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ClientSampleId :

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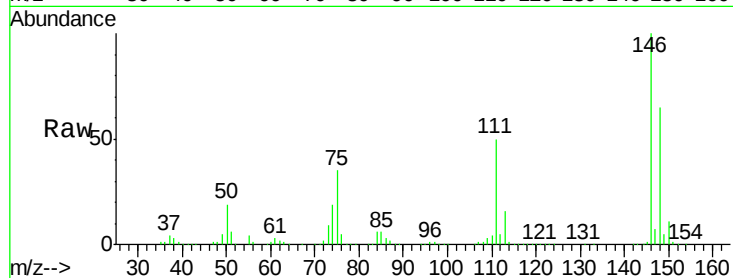
Tot Ion:146 Resp: 1318979

Ion Ratio Lower Upper

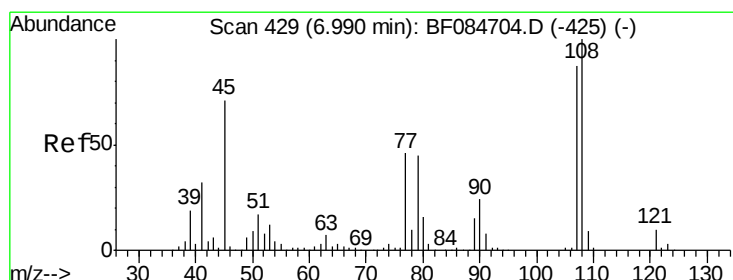
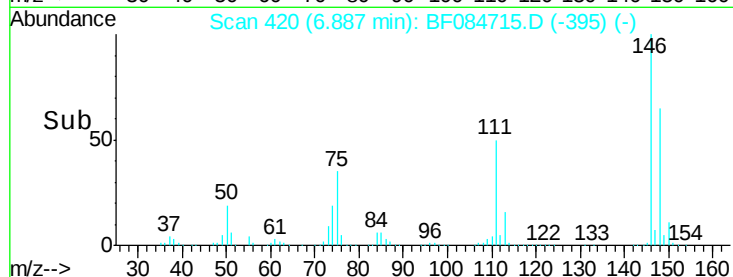
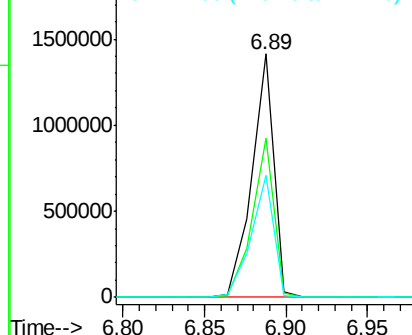
146 100

148 65.1 51.6 77.4

111 50.3 38.0 57.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#17

2-Methylphenol

Concen: 65.64 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Tgt Ion:107 Resp: 669725

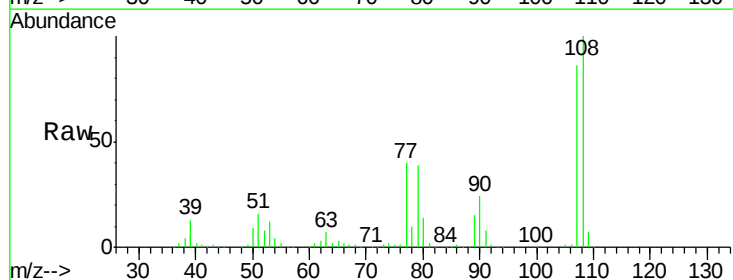
Ion Ratio Lower Upper

107 100

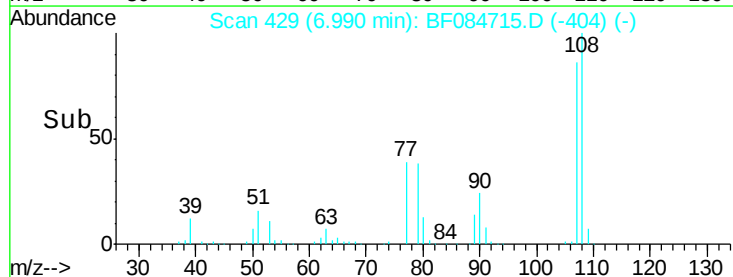
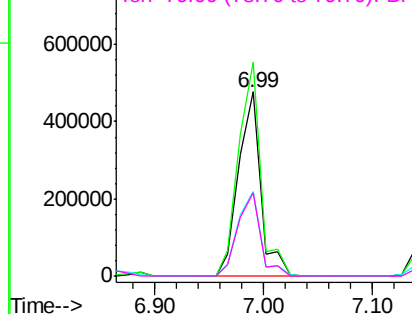
108 116.0 89.8 134.6

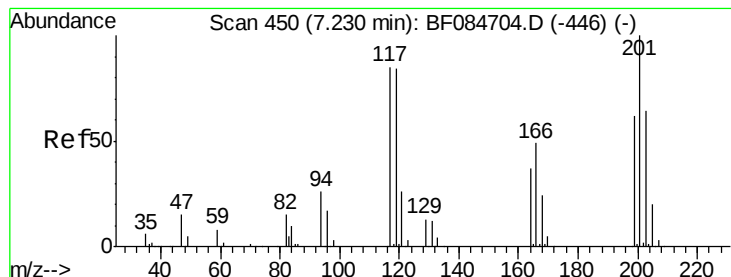
77 46.1 35.7 53.5

79 45.2 35.7 53.5



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#18

Hexachloroethane

Concen: 98.06 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

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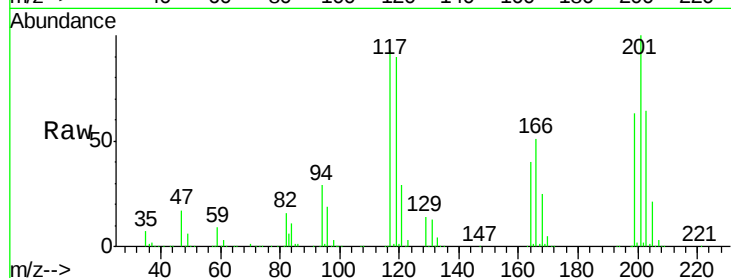
Tot Ion:117 Resp: 514567

Ion Ratio Lower Upper

117 100

119 97.4 77.4 116.0

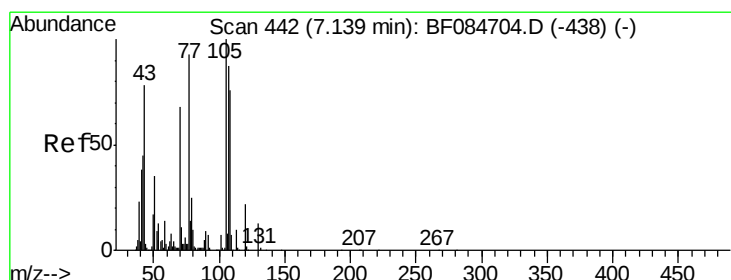
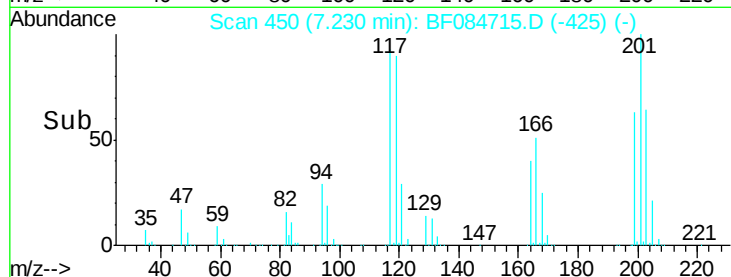
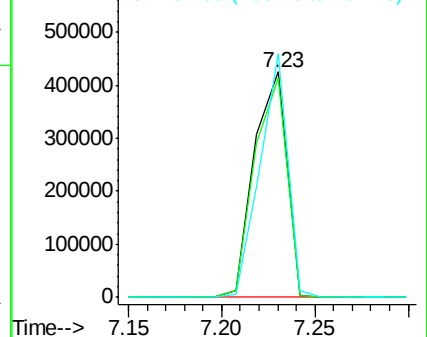
201 108.0 68.6 103.0#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 149.94 ng

RT: 7.16 min Scan# 444

Delta R.T. 0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Tgt Ion: 70 Resp: 1328081

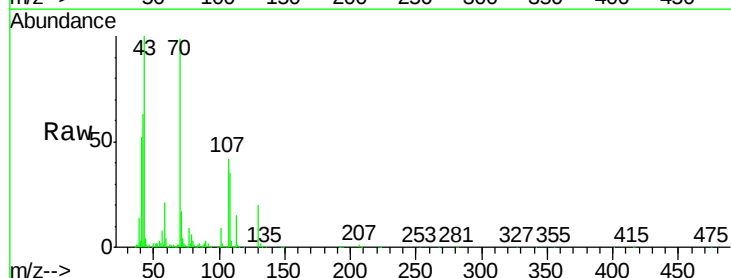
Ion Ratio Lower Upper

70 100

42 63.0 33.3 49.9#

101 9.4 9.3 13.9

130 19.9 23.4 35.0#

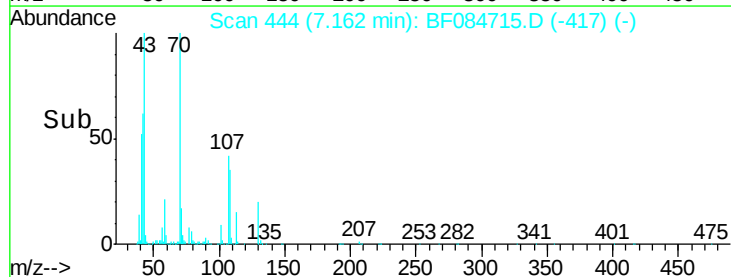
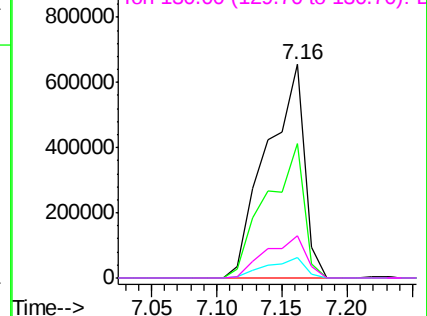


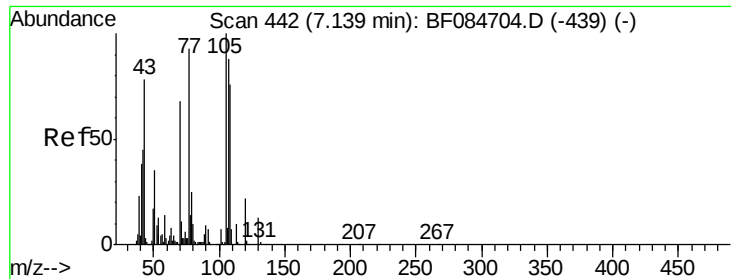
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

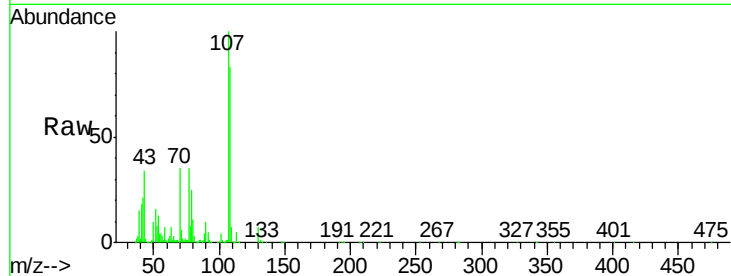




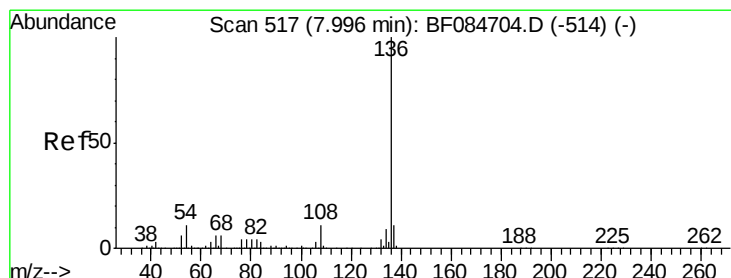
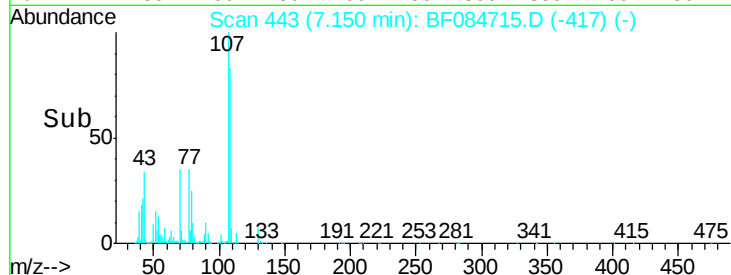
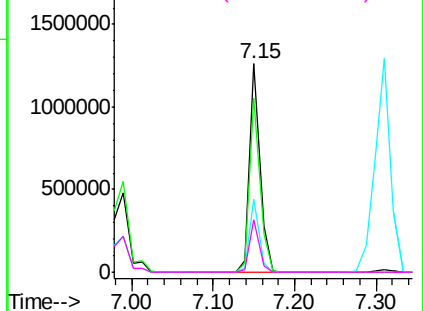
#20
3+4-Methylphenols
Concen: 88.30 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF084715.D
Acq: 1 Feb 2016 18:00

Instrument :
BNA_F
ClientSampleId :
9024

Tot Ion:107 Resp: 1118260
Ion Ratio Lower Upper
107 100
108 83.4 74.6 114.6
77 34.9 0.7 40.7
79 25.3 0.0 39.0

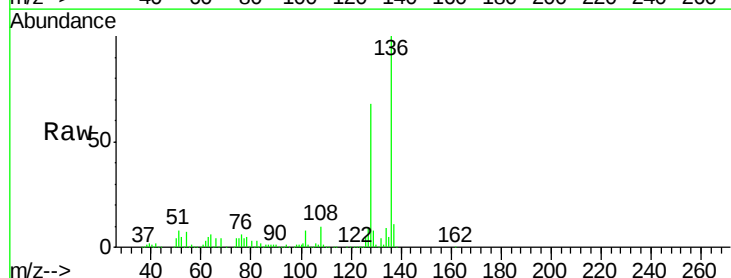


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

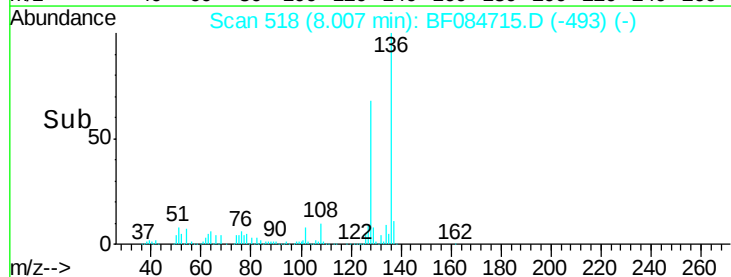
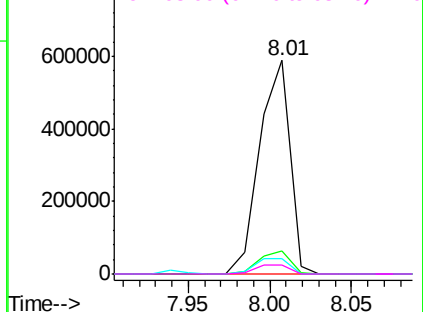


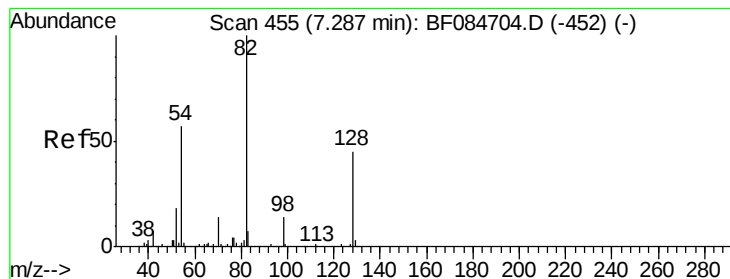
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF084715.D
Acq: 1 Feb 2016 18:00

Tgt Ion:136 Resp: 763762
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.0 5.8 8.8
68 4.3 4.2 6.2



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





#23

Nitrobenzene-d5

Concen: 63.85 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Instrument :

BNA_F

ClientSampleId :

9024

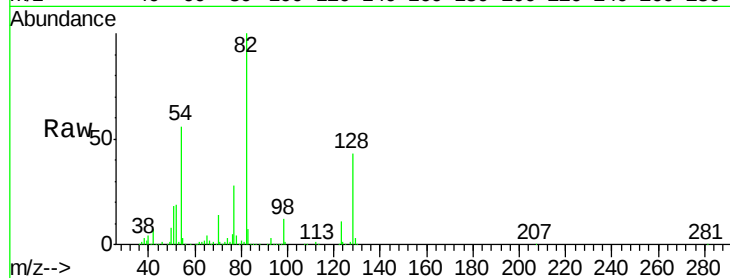
Tot Ion: 82 Resp: 865642

Ion Ratio Lower Upper

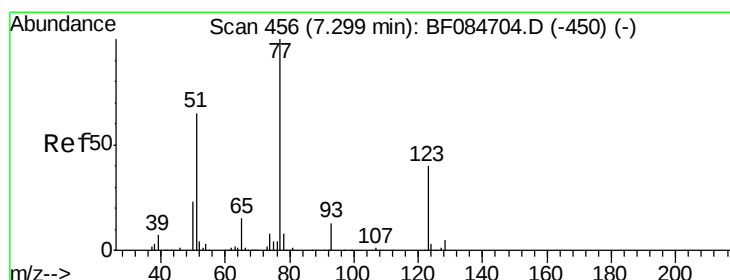
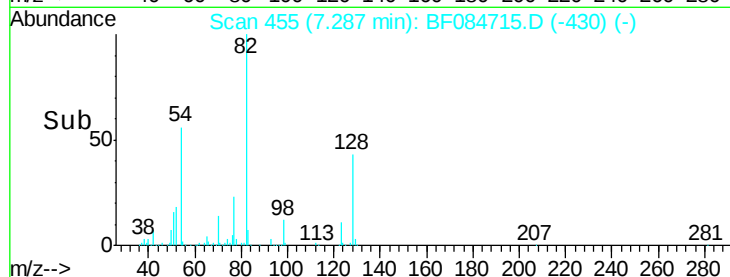
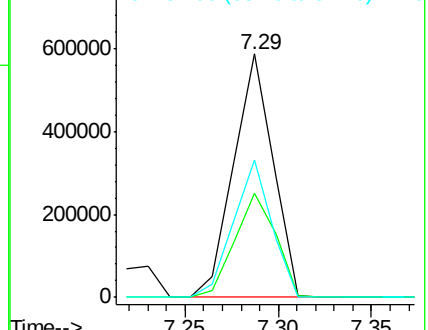
82 100

128 42.6 34.6 51.8

54 56.5 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 119.64 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.00 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

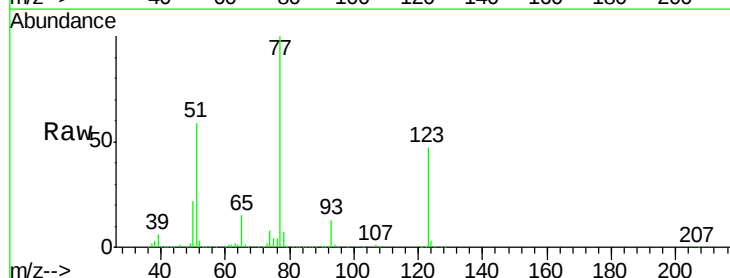
Tgt Ion: 77 Resp: 1736989

Ion Ratio Lower Upper

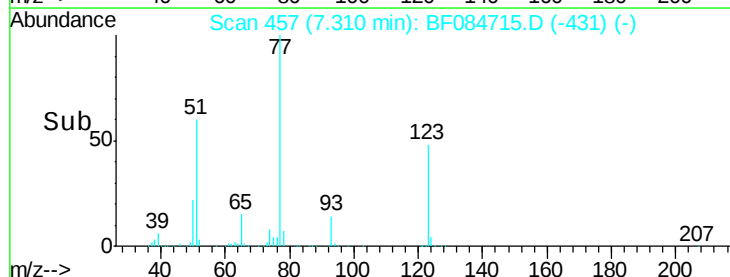
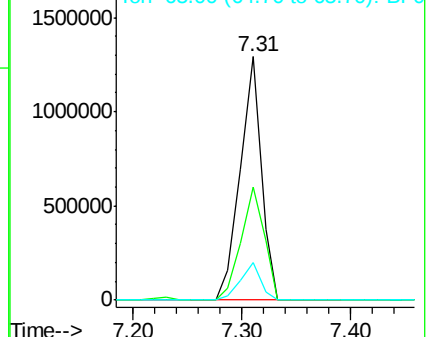
77 100

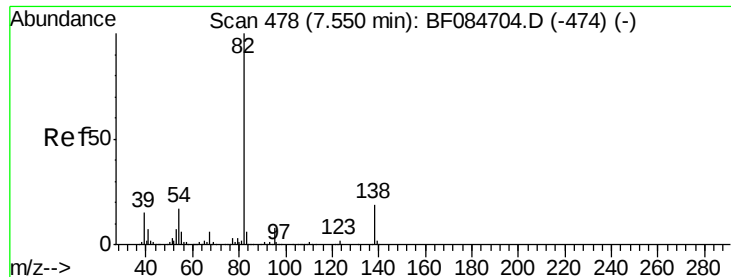
123 46.6 37.4 56.2

65 15.2 10.9 16.3



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 76.50 ng

RT: 7.55 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Instrument :

BNA_F

ClientSampleId :

9024

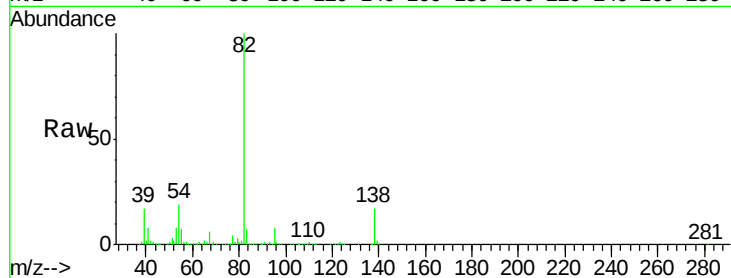
Tot Ion: 82 Resp: 2016918

Ion Ratio Lower Upper

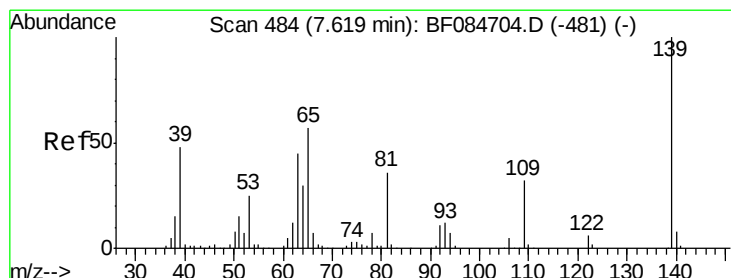
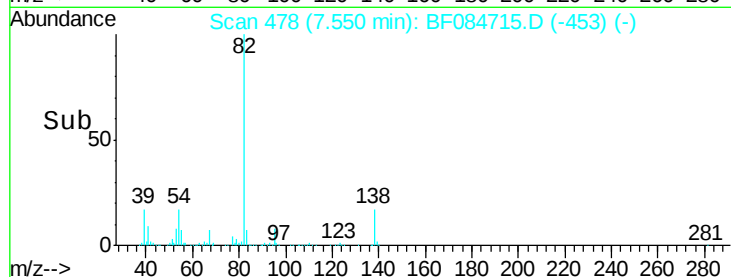
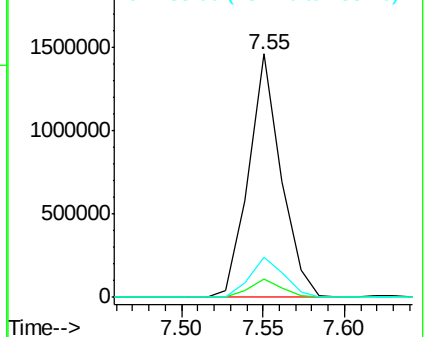
82 100

95 7.7 6.6 10.0

138 16.7 13.6 20.4



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 107.68 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.00 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

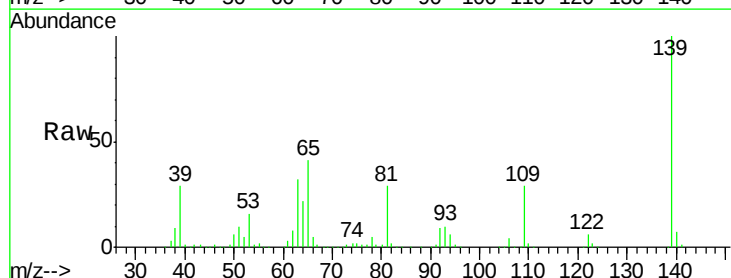
Tgt Ion: 139 Resp: 771026

Ion Ratio Lower Upper

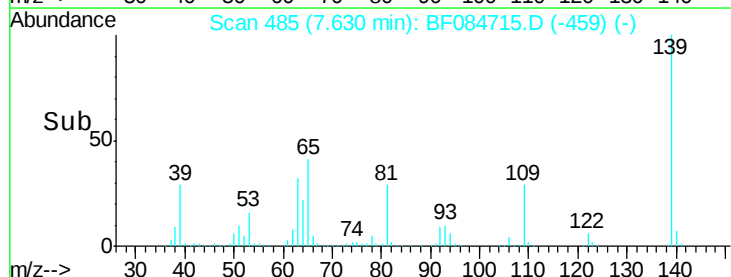
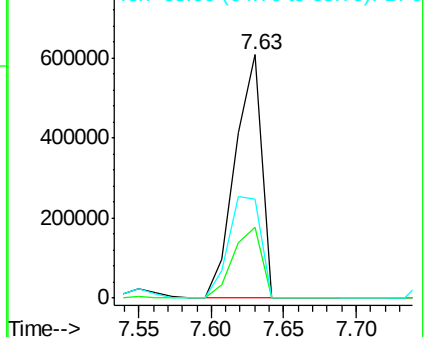
139 100

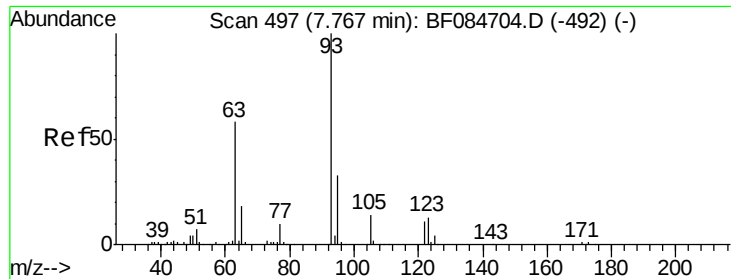
109 29.0 25.4 38.2

65 40.6 32.3 48.5



Abundance Ion 139.00 (138.70 to 139.70): BF0
Ion 109.00 (108.70 to 109.70): BF0
Ion 65.00 (64.70 to 65.70): BF0

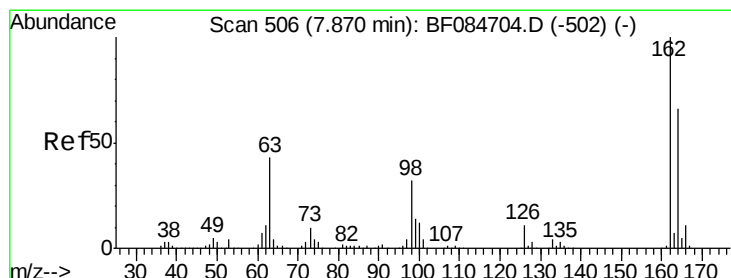
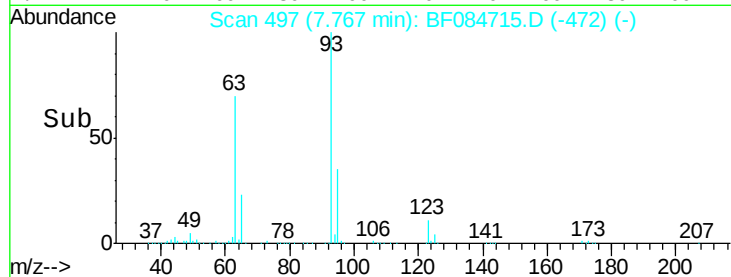
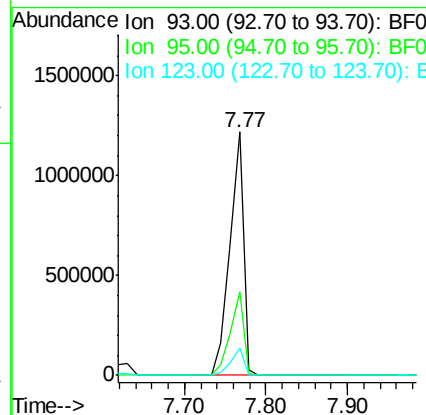
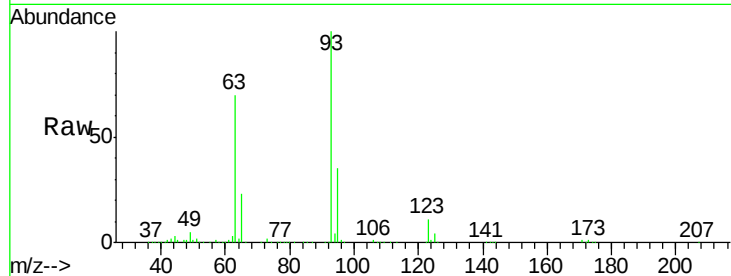




#28
bis(2-Chloroethoxy)methane
Concen: 89.75 ng
RT: 7.77 min Scan# 497
Delta R.T. -0.01 min
Lab File: BF084715.D
Acq: 1 Feb 2016 18:00

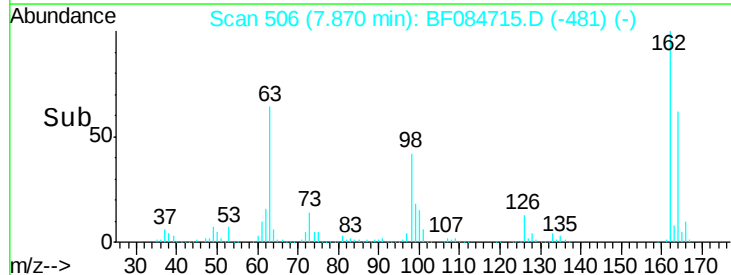
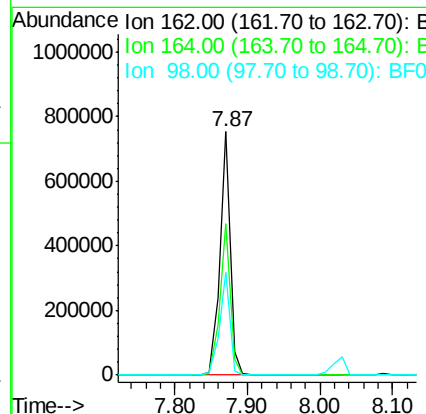
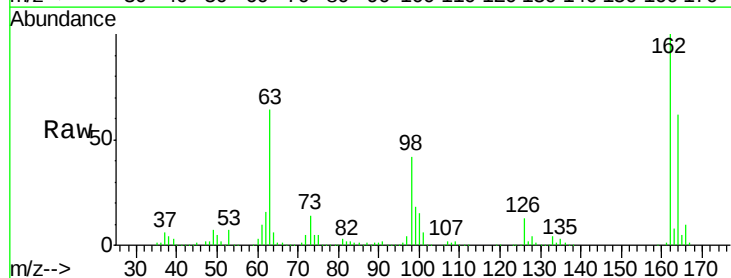
Instrument :
BNA_F
ClientSampleId :
9024

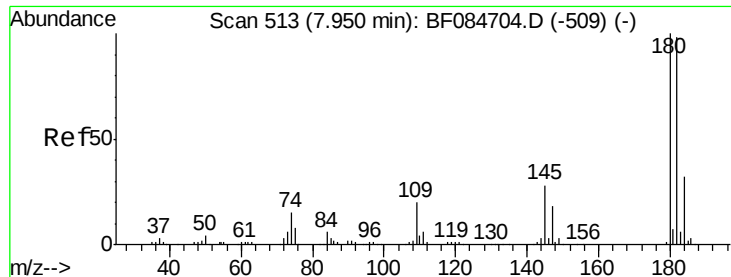
Tot Ion: 93 Resp: 1403677
Ion Ratio Lower Upper
93 100
95 34.6 25.8 38.6
123 11.1 8.6 12.8



#29
2,4-Dichlorophenol
Concen: 70.02 ng
RT: 7.87 min Scan# 506
Delta R.T. -0.01 min
Lab File: BF084715.D
Acq: 1 Feb 2016 18:00

Tgt Ion: 162 Resp: 746252
Ion Ratio Lower Upper
162 100
164 62.3 44.1 84.1
98 42.4 20.2 60.2

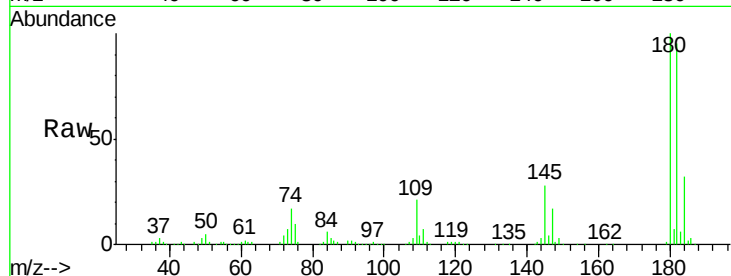




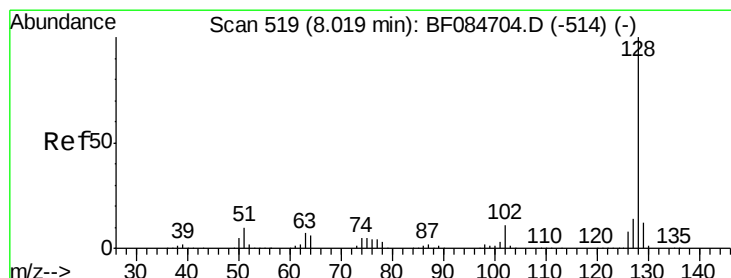
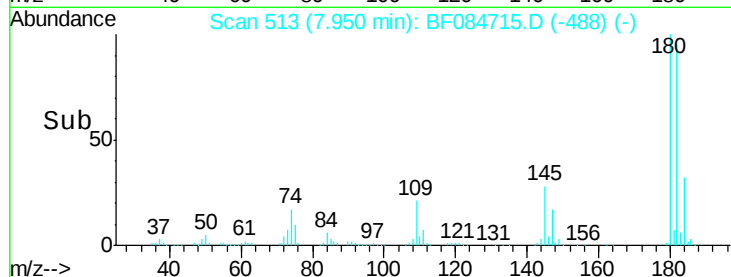
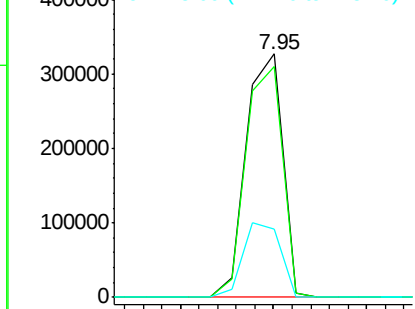
#30
1,2,4-Trichlorobenzene
Concen: 36.76 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.01 min
Lab File: BF084715.D
Acq: 1 Feb 2016 18:00

Instrument :
BNA_F
ClientSampleId :
9024

Tot Ion:180 Resp: 442511
Ion Ratio Lower Upper
180 100
182 94.9 76.4 114.6
145 28.0 31.6 47.4#

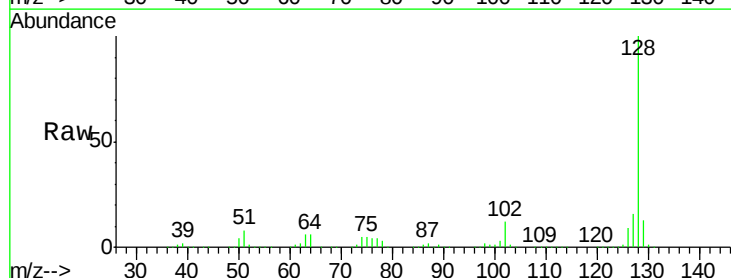


Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

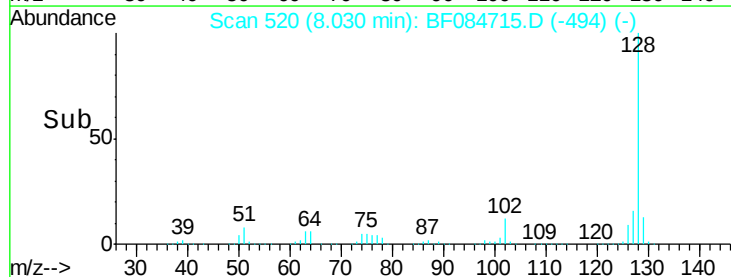
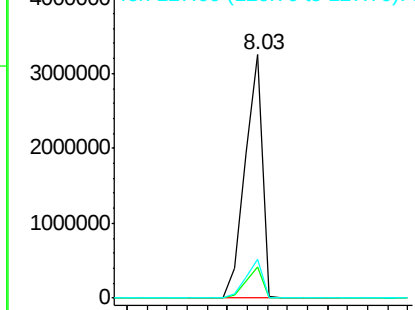


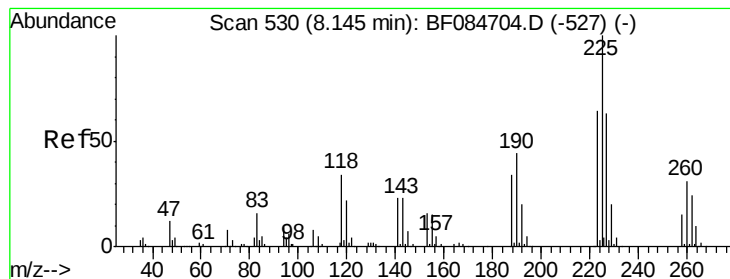
#31
Naphthalene
Concen: 100.58 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.00 min
Lab File: BF084715.D
Acq: 1 Feb 2016 18:00

Tgt Ion:128 Resp: 3853489
Ion Ratio Lower Upper
128 100
129 13.0 9.1 13.7
127 15.8 11.1 16.7



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





#34

Hexachlorobutadiene

Concen: 60.97 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Instrument :

BNA_F

ClientSampleId :

9024

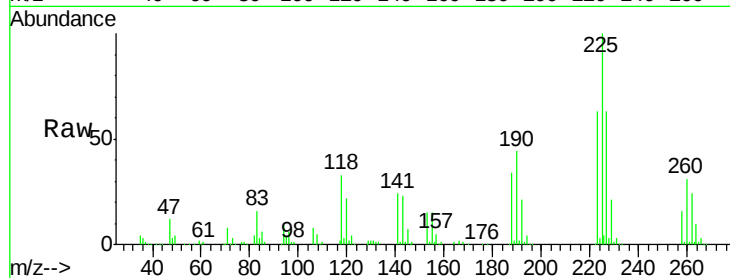
Tot Ion:225 Resp: 423160

Ion Ratio Lower Upper

225 100

223 62.7 49.4 74.0

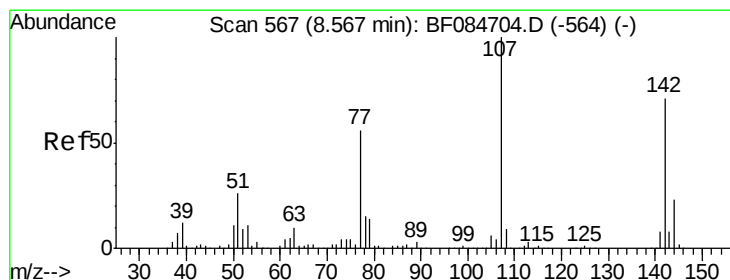
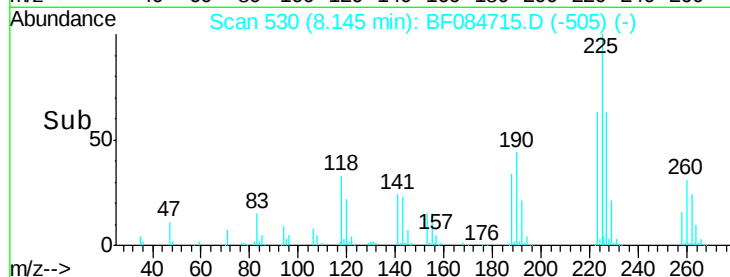
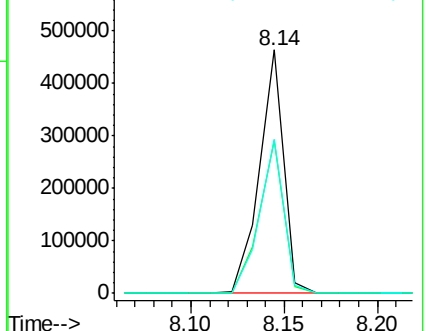
227 63.2 50.8 76.2



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#36

4-Chloro-3-methylphenol

Concen: 107.54 ng

RT: 8.57 min Scan# 567

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

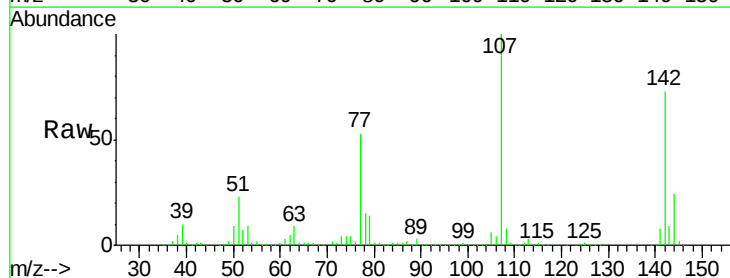
Tgt Ion:107 Resp: 1307484

Ion Ratio Lower Upper

107 100

144 24.3 19.7 29.5

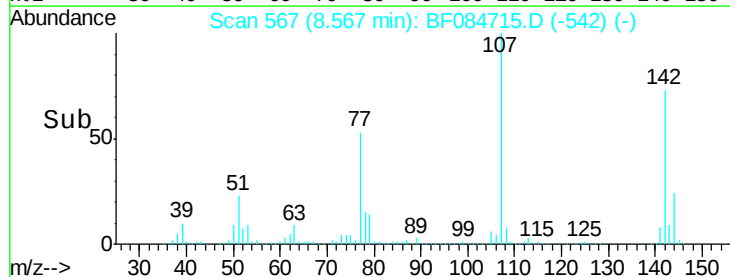
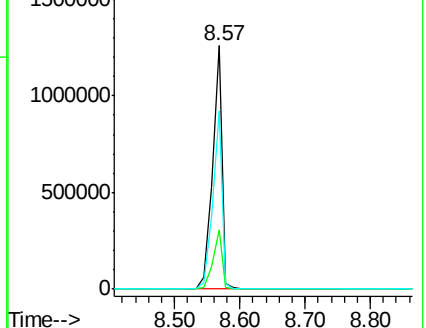
142 73.5 61.8 92.6

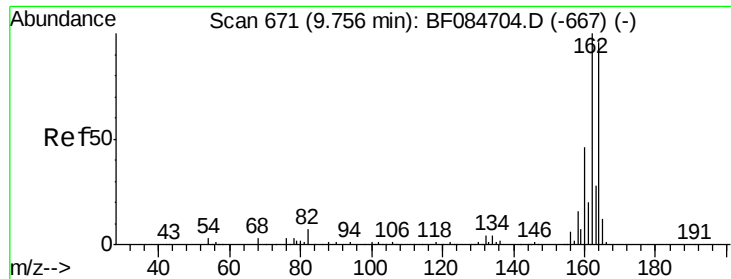


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

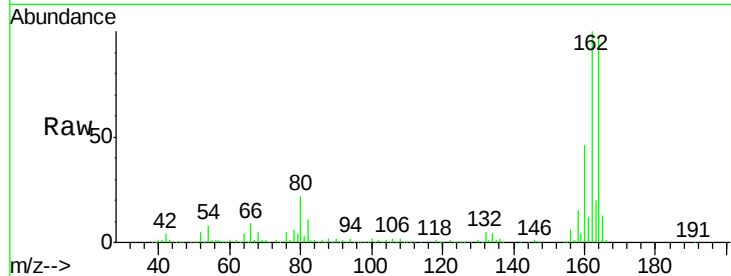




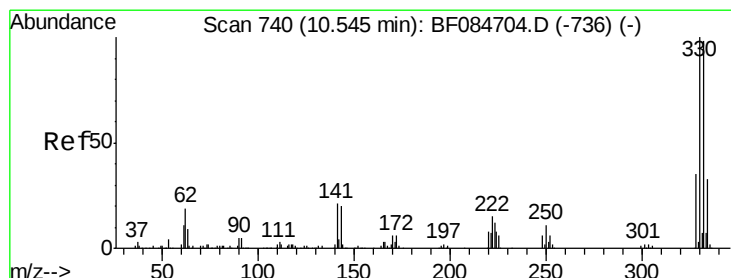
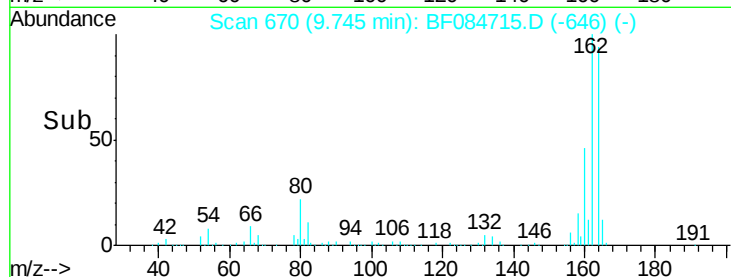
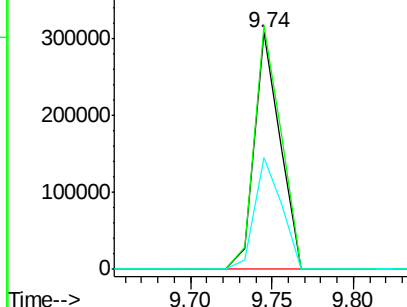
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.02 min
 Lab File: BF084715.D
 Acq: 1 Feb 2016 18:00

Instrument :
 BNA_F
 ClientSampleId :
 9024

Tot Ion:164 Resp: 336014
 Ion Ratio Lower Upper
 164 100
 162 102.7 85.1 127.7
 160 47.2 37.5 56.3

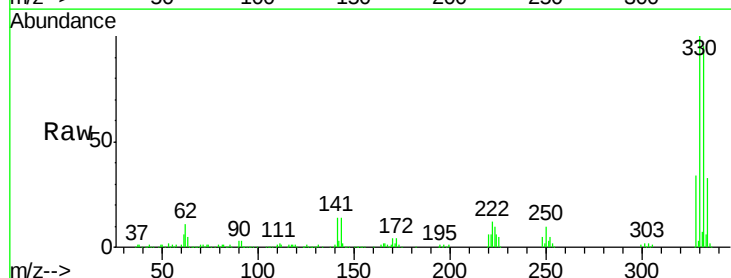


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

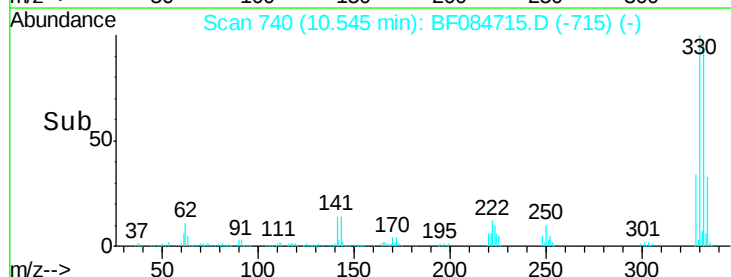
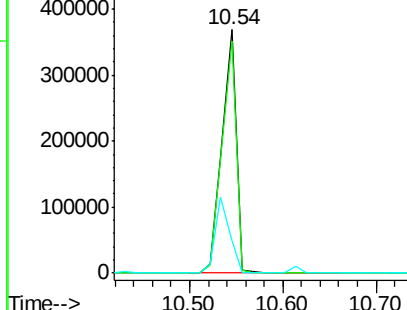


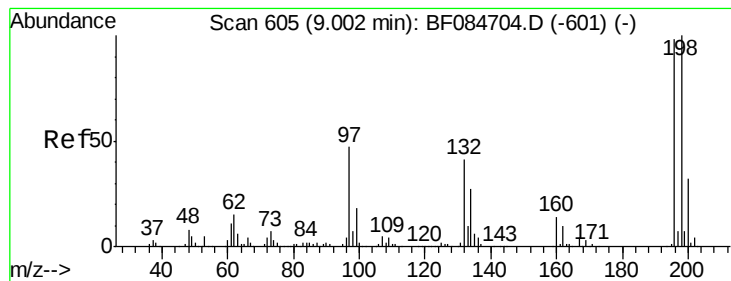
#41
 2,4,6-Tribromophenol
 Concen: 111.41 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084715.D
 Acq: 1 Feb 2016 18:00

Tgt Ion:330 Resp: 390488
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 114.8
 141 31.9 27.8 41.6



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

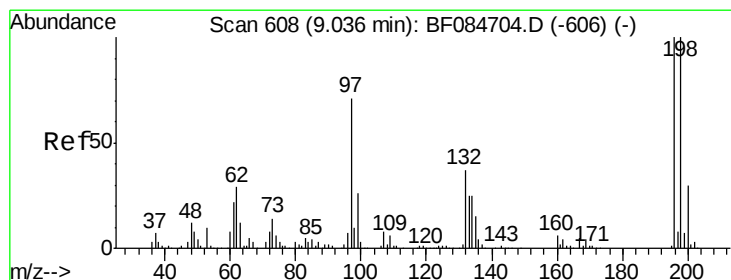
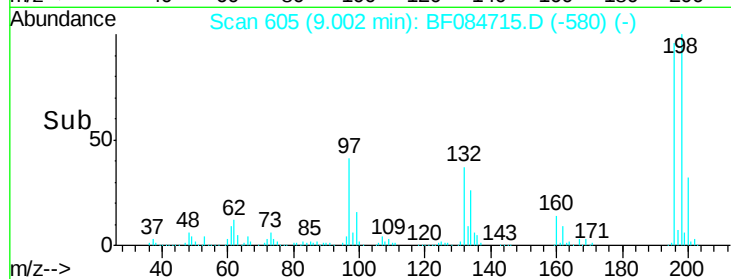
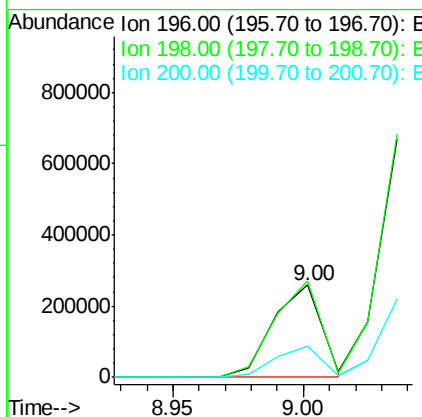
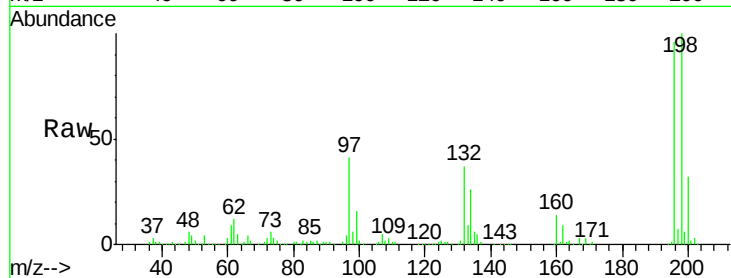




#42
 2,4,6-Trichlorophenol
 Concen: 48.46 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: BF084715.D
 Acq: 1 Feb 2016 18:00

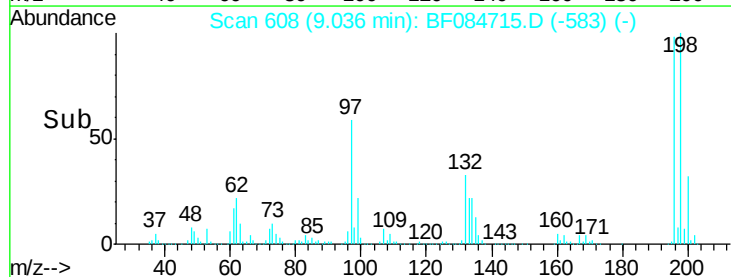
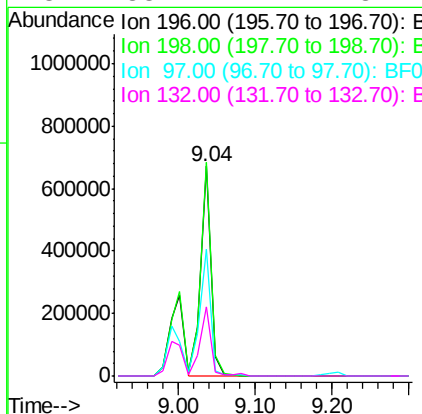
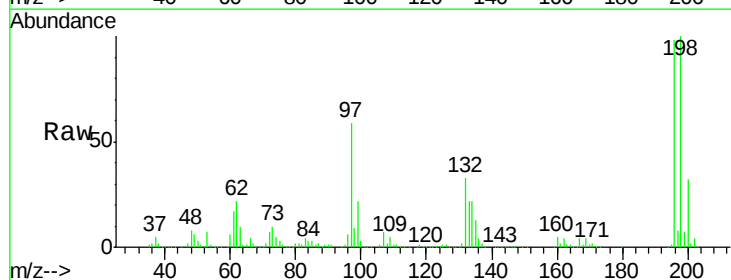
Instrument :
 BNA_F
 ClientSampleId :
 9024

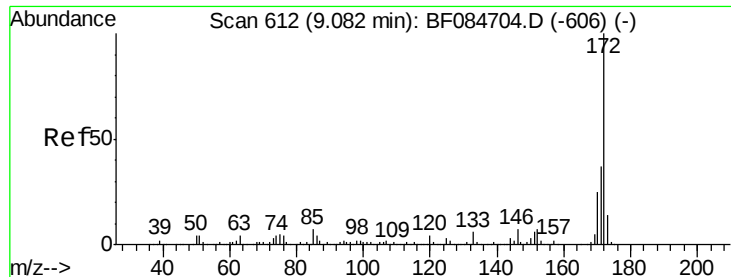
Tot Ion:196 Resp: 333171
 Ion Ratio Lower Upper
 196 100
 198 104.0 77.7 116.5
 200 33.1 24.6 37.0



#43
 2,4,5-Trichlorophenol
 Concen: 89.16 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: BF084715.D
 Acq: 1 Feb 2016 18:00

Tgt Ion:196 Resp: 622837
 Ion Ratio Lower Upper
 196 100
 198 102.0 79.0 118.6
 97 60.3 33.0 49.6#
 132 33.2 21.1 31.7#





#44

2-Fluorobiphenyl

Concen: 74.31 ng

RT: 9.08 min Scan# 612

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Instrument :

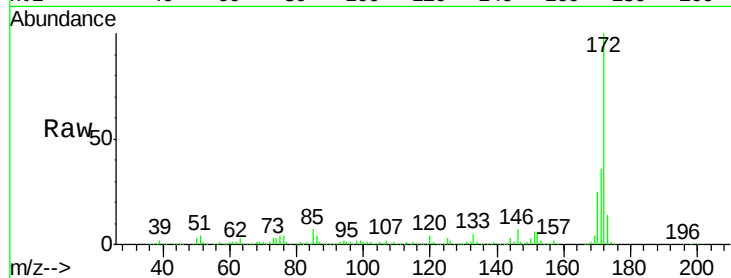
BNA_F

ClientSampleId :

9024

Tot Ion:172 Resp: 1546348

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.9	43.3
170	24.6	18.6	27.8

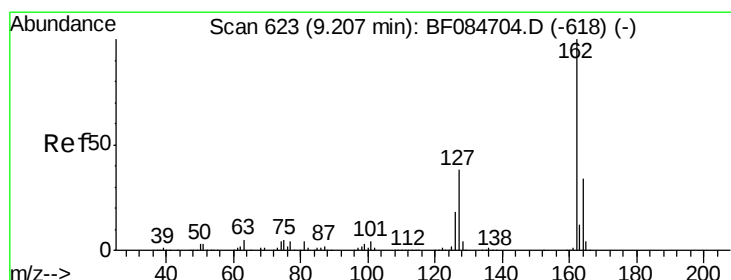
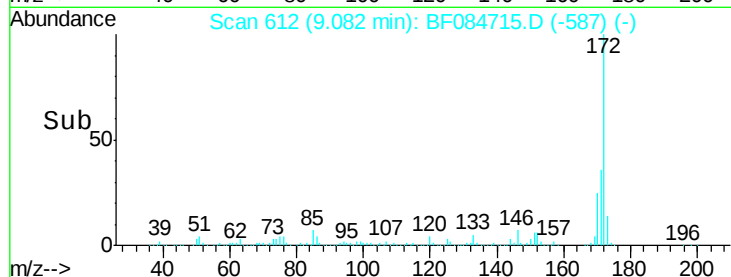
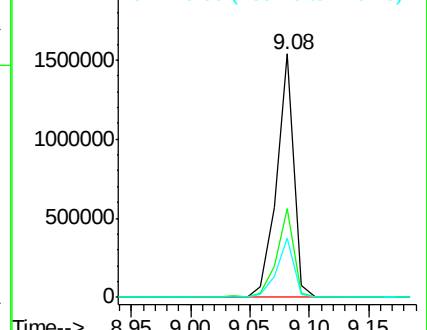


Abundance

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



#46

2-Chloronaphthalene

Concen: 96.78 ng

RT: 9.21 min Scan# 623

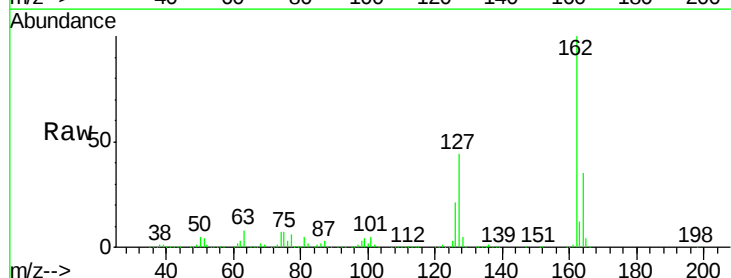
Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Tgt Ion:162 Resp: 2139152

Ion	Ratio	Lower	Upper
162	100		
127	43.6	40.2	60.4
164	35.0	25.7	38.5

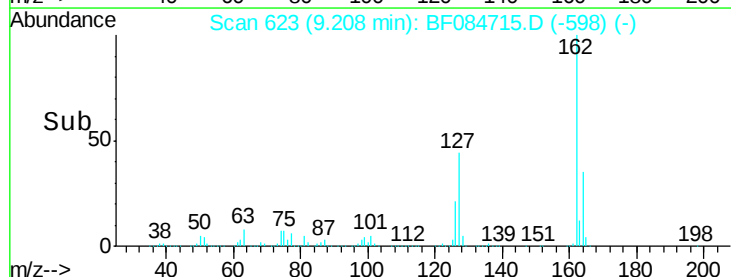
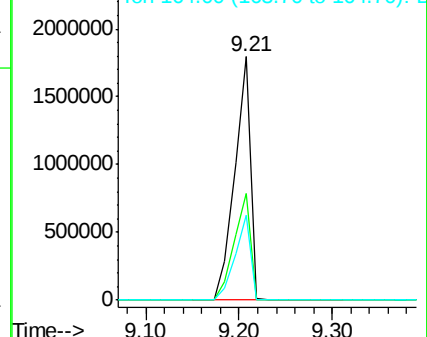


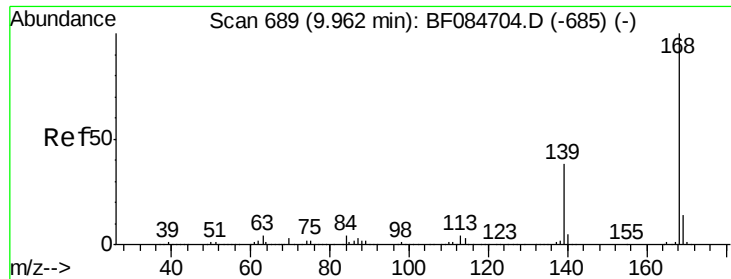
Abundance

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

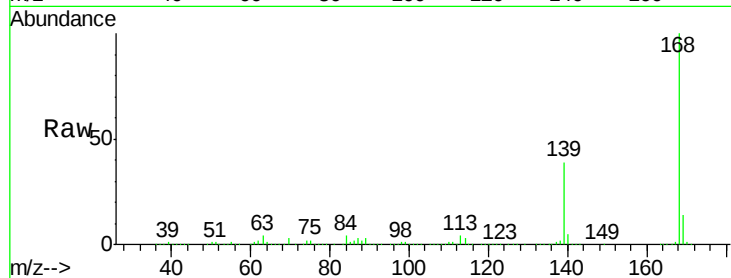




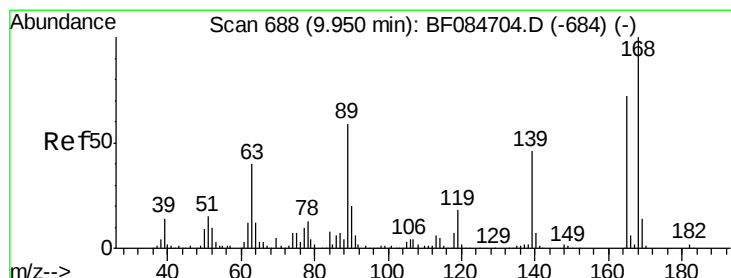
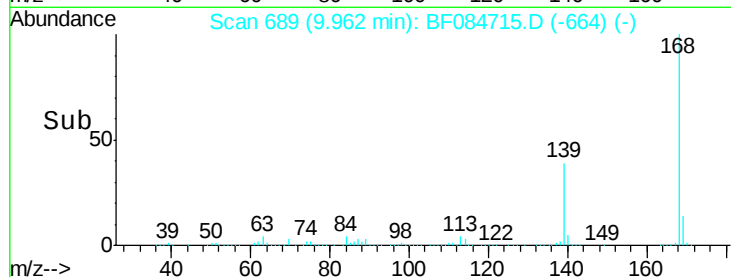
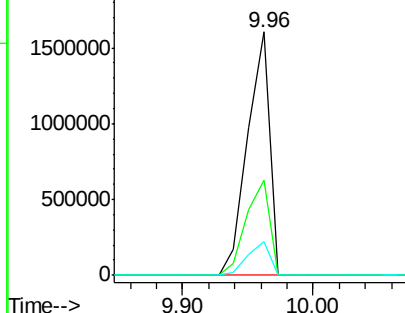
#54
Dibenzenofuran
Concen: 70.88 ng
RT: 9.96 min Scan# 689
Delta R.T. -0.01 min
Lab File: BF084715.D
Acq: 1 Feb 2016 18:00

Instrument :
BNA_F
ClientSampleId :
9024

Tot Ion:168 Resp: 1890229
Ion Ratio Lower Upper
168 100
139 39.2 30.5 45.7
169 13.7 10.4 15.6

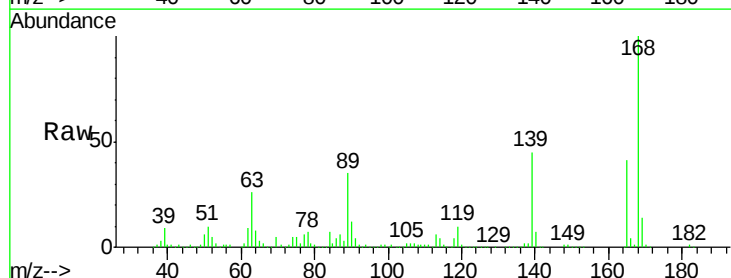


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

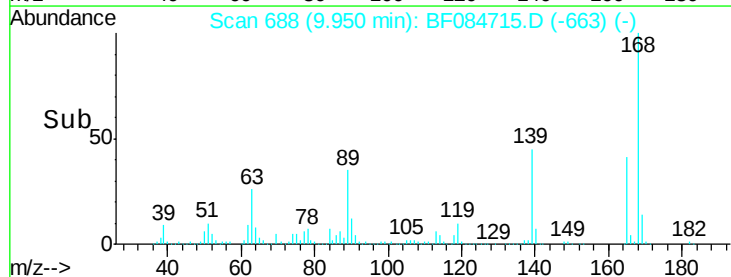
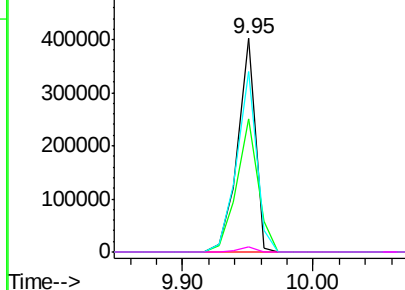


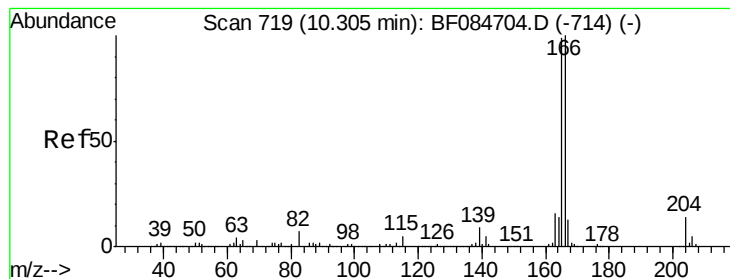
#56
2,4-Dinitrotoluene
Concen: 52.44 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF084715.D
Acq: 1 Feb 2016 18:00

Tgt Ion:165 Resp: 373955
Ion Ratio Lower Upper
165 100
63 62.4 36.7 55.1#
89 84.4 61.9 92.9
182 2.1 2.0 3.0



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
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 91.88 ng

RT: 10.30 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Instrument :

BNA_F

ClientSampleId :

9024

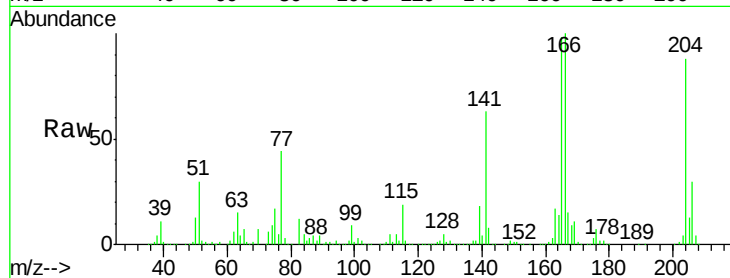
Tot Ion:166 Resp: 2046230

Ion Ratio Lower Upper

166 100

165 98.2 79.1 118.7

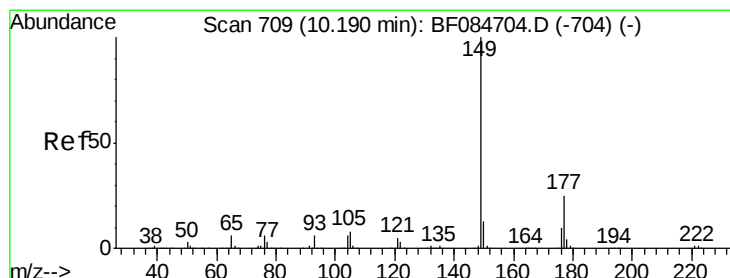
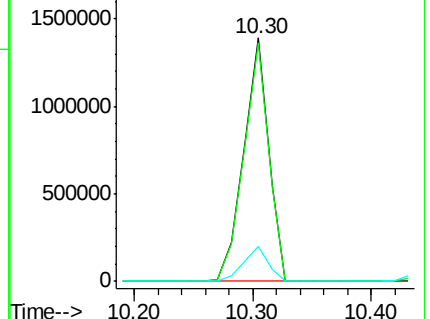
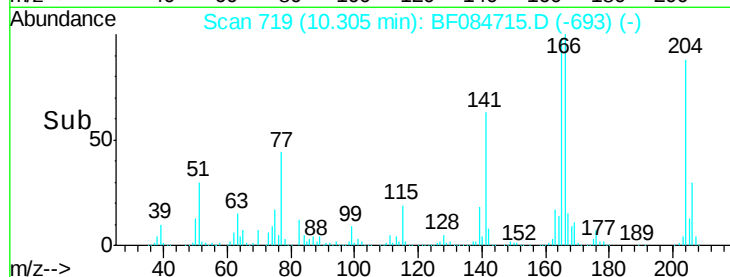
167 14.6 10.4 15.6



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



#59

Diethylphthalate

Concen: 104.96 ng

RT: 10.19 min Scan# 709

Delta R.T. -0.00 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

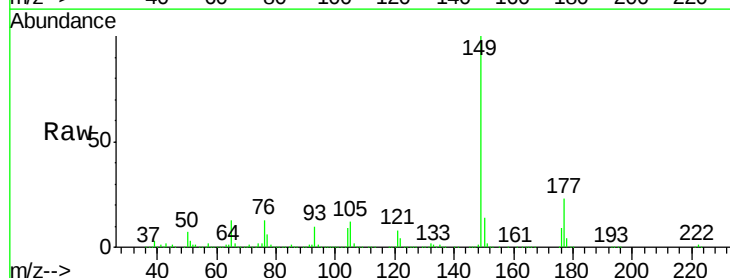
Tgt Ion:149 Resp: 2622899

Ion Ratio Lower Upper

149 100

177 23.0 17.3 25.9

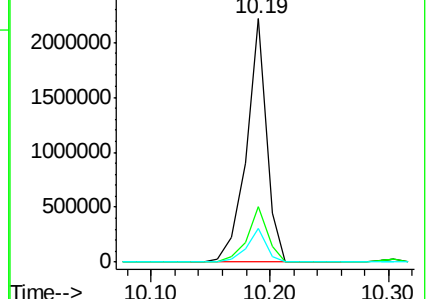
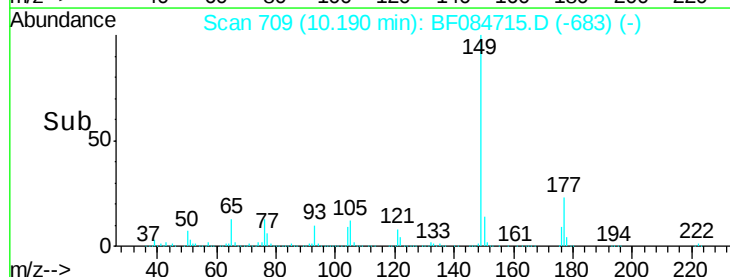
150 13.9 9.8 14.8

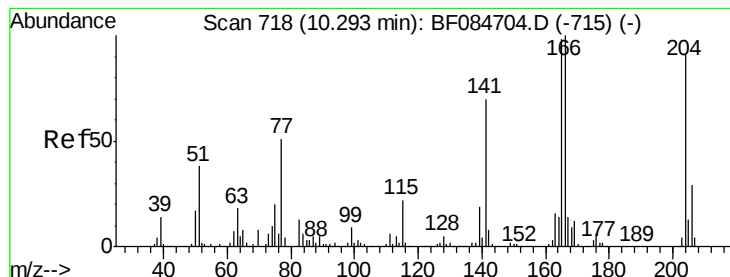


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#60

4-Chlorophenyl-phenylether

Concen: 157.59 ng

RT: 10.30 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Instrument :

BNA_F

ClientSampleId :

9024

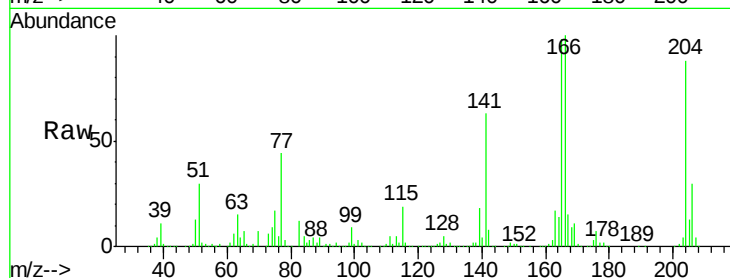
Tot Ion:204 Resp: 1304201

Ion Ratio Lower Upper

204 100

206 33.7 25.7 38.5

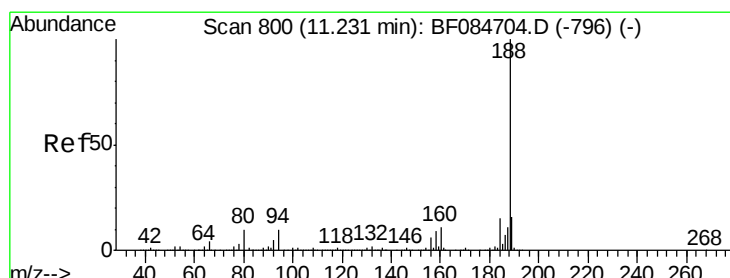
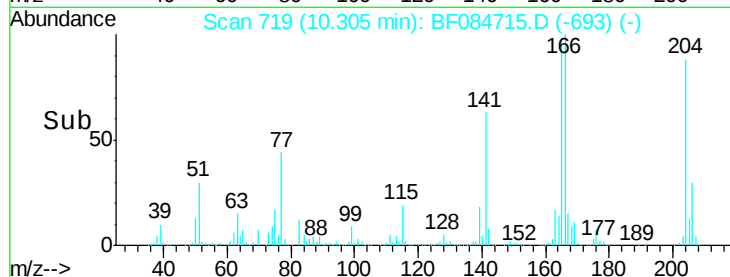
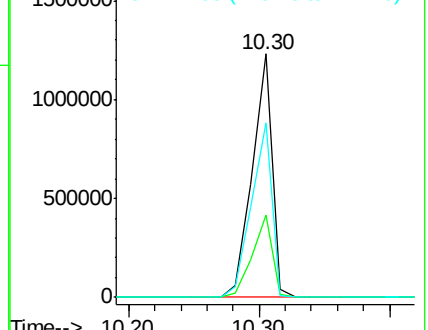
141 71.5 55.1 82.7



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.23 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

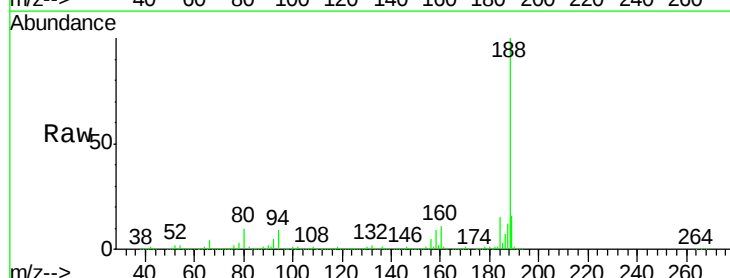
Tgt Ion:188 Resp: 648689

Ion Ratio Lower Upper

188 100

94 8.9 9.0 13.4#

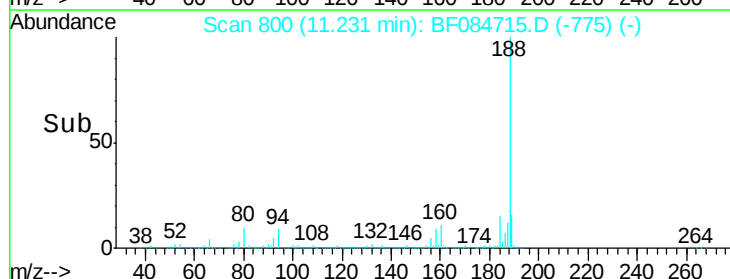
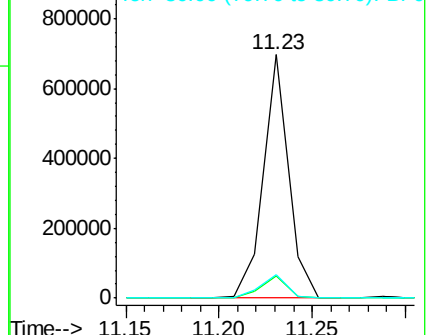
80 9.8 9.6 14.4

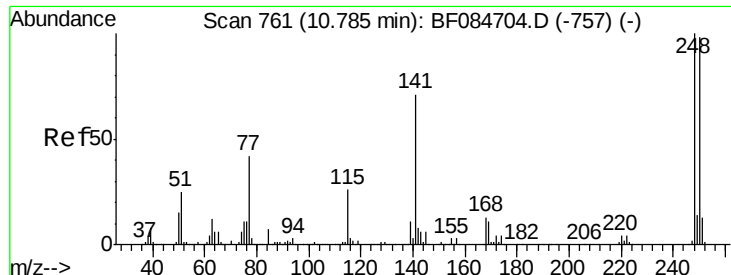


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

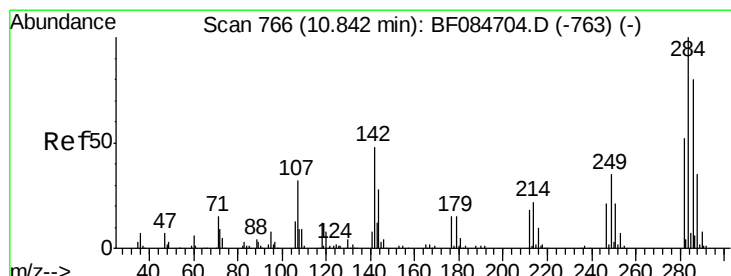
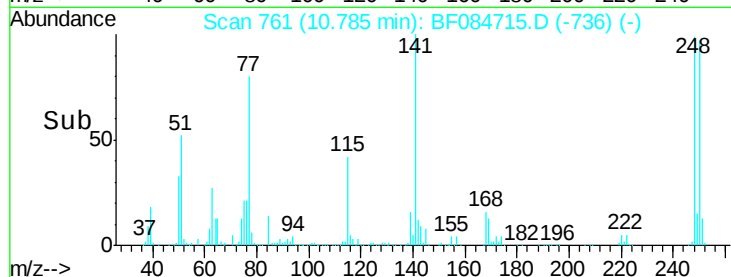
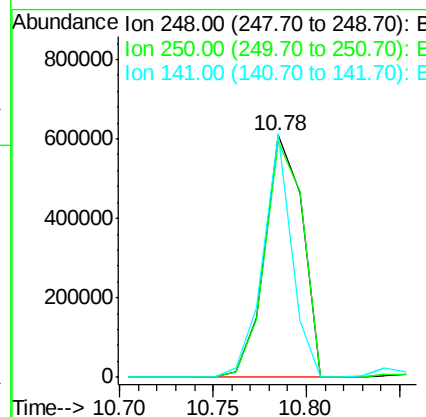
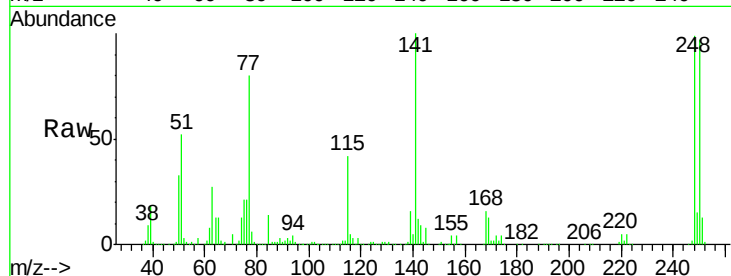




#66
4-Bromophenyl-phenylether
Concen: 118.61 ng
RT: 10.78 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF084715.D
Acq: 1 Feb 2016 18:00

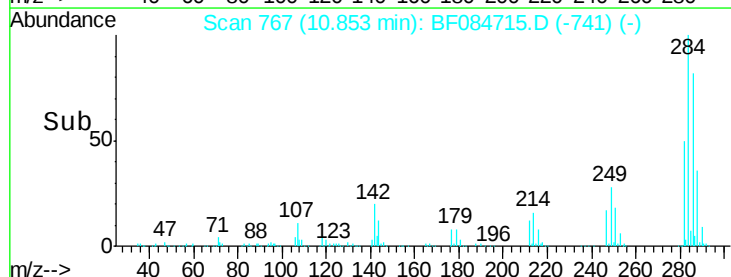
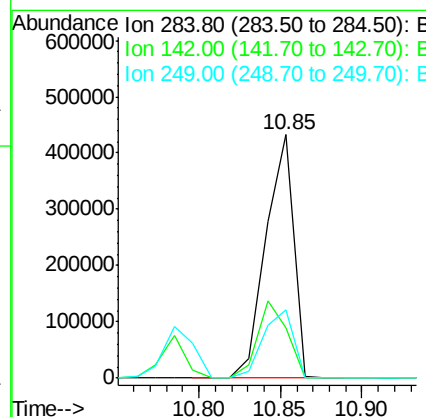
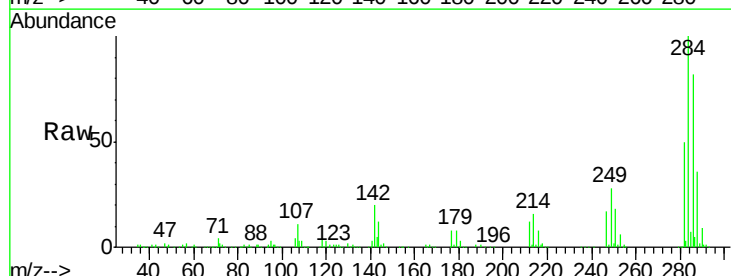
Instrument :
BNA_F
ClientSampleId :
9024

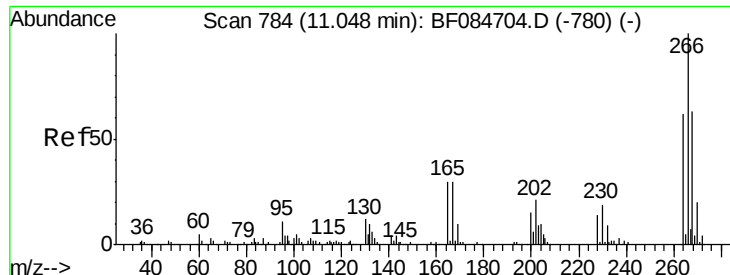
Tot Ion:248 Resp: 849852
Ion Ratio Lower Upper
248 100
250 97.5 78.4 117.6
141 100.7 44.0 66.0#



#67
Hexachlorobenzene
Concen: 65.91 ng
RT: 10.85 min Scan# 767
Delta R.T. -0.00 min
Lab File: BF084715.D
Acq: 1 Feb 2016 18:00

Tgt Ion:284 Resp: 514537
Ion Ratio Lower Upper
284 100
142 20.5 22.2 33.4#
249 28.0 24.6 37.0

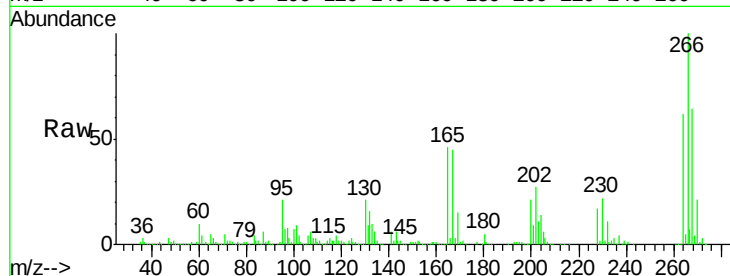




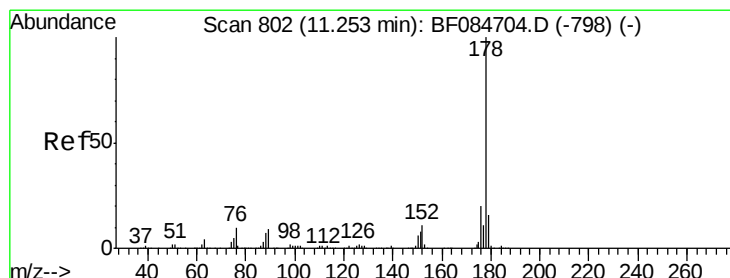
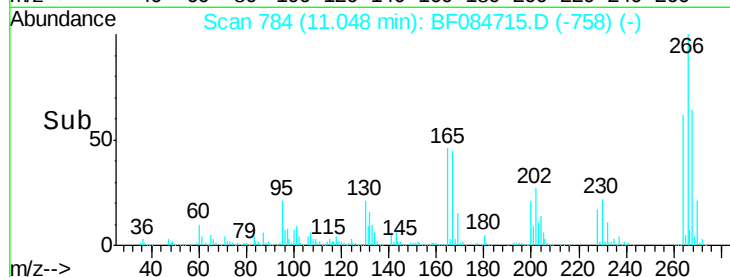
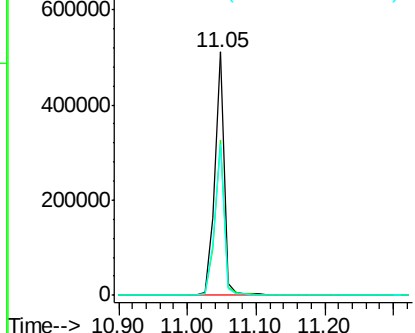
#69
 Pentachlorophenol
 Concen: 137.68 ng
 RT: 11.05 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: BF084715.D
 Acq: 1 Feb 2016 18:00

Instrument :
 BNA_F
 ClientSampleId :
 9024

Tot Ion:266 Resp: 505143
 Ion Ratio Lower Upper
 266 100
 268 63.9 52.4 78.6
 264 62.3 50.2 75.2

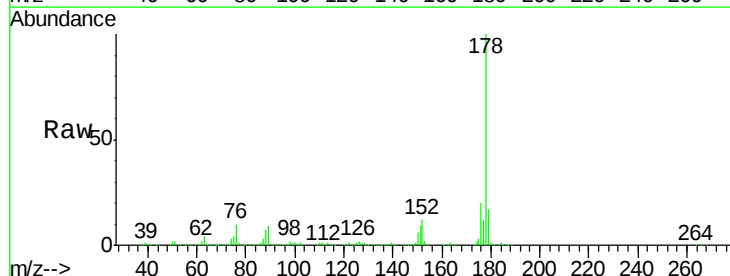


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

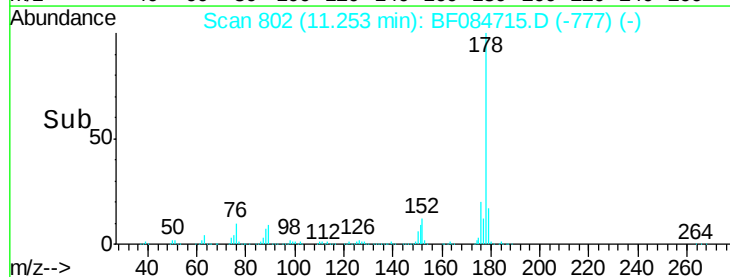
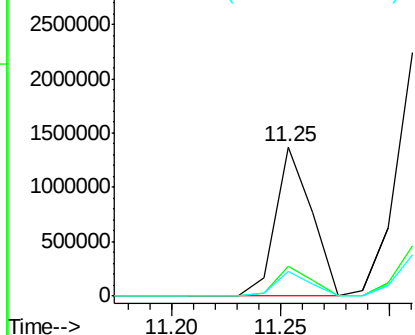


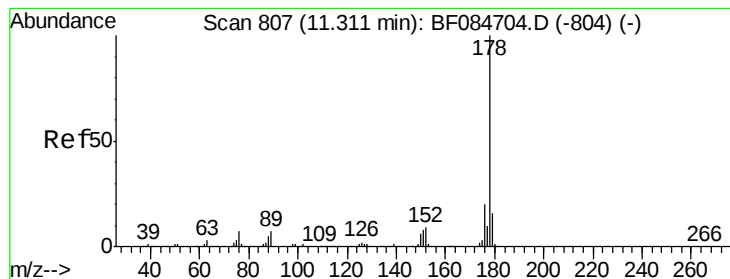
#70
 Phenanthrene
 Concen: 44.26 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF084715.D
 Acq: 1 Feb 2016 18:00

Tgt Ion:178 Resp: 1592520
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.3 22.9
 179 16.6 12.0 18.0



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: 61.50 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Instrument :

BNA_F

ClientSampled :

9024

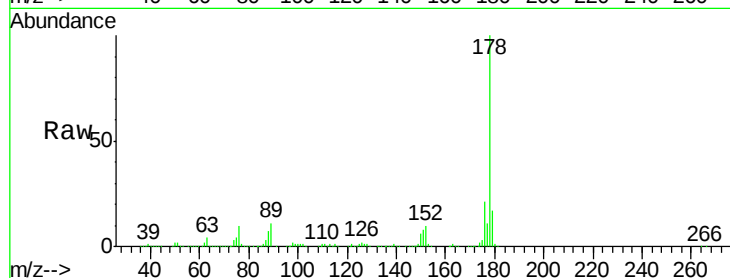
Tot Ion:178 Resp: 2229720

Ion Ratio Lower Upper

178 100

176 20.6 15.4 23.0

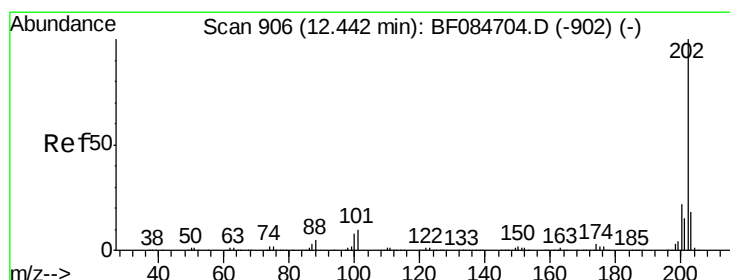
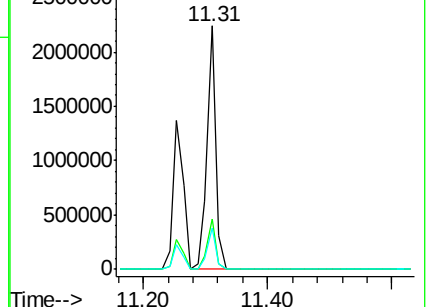
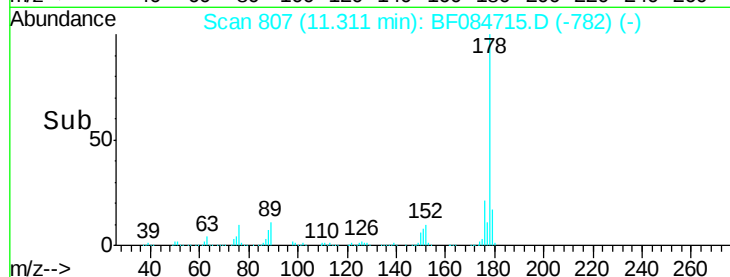
179 17.1 12.5 18.7



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



#74

Fluoranthene

Concen: 92.29 ng

RT: 12.44 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

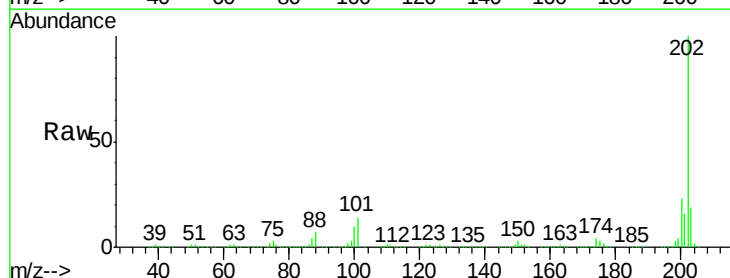
Tgt Ion:202 Resp: 3360901

Ion Ratio Lower Upper

202 100

101 13.8 0.0 32.8

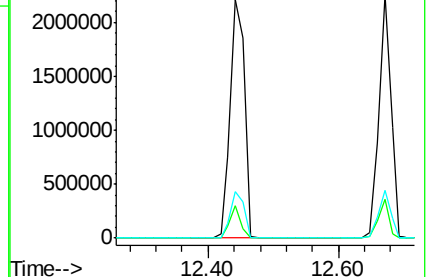
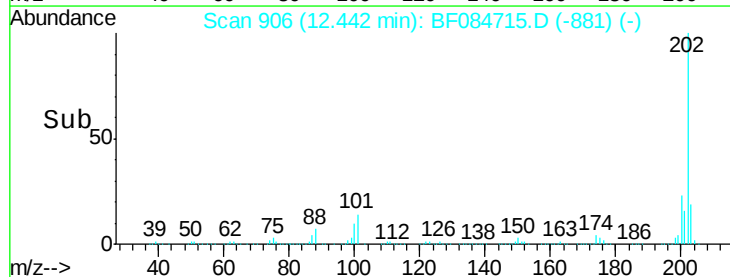
203 19.3 0.0 37.9

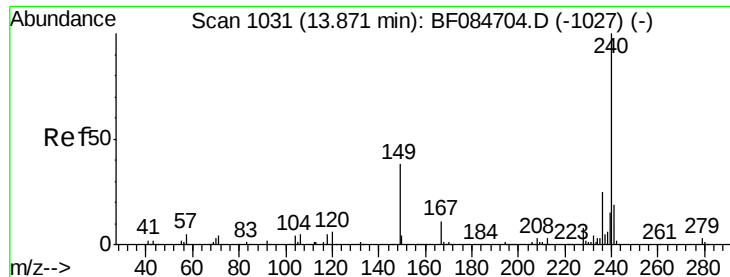


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Instrument :

BNA_F

ClientSampled :

9024

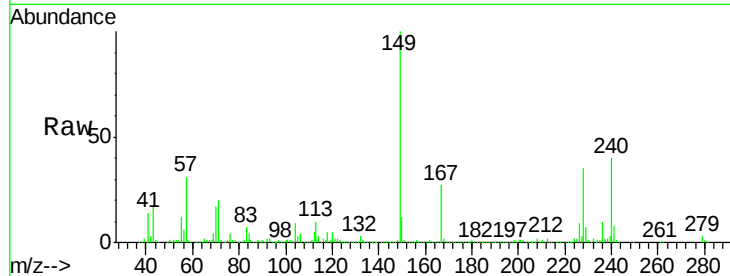
Tot Ion:240 Resp: 429842

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

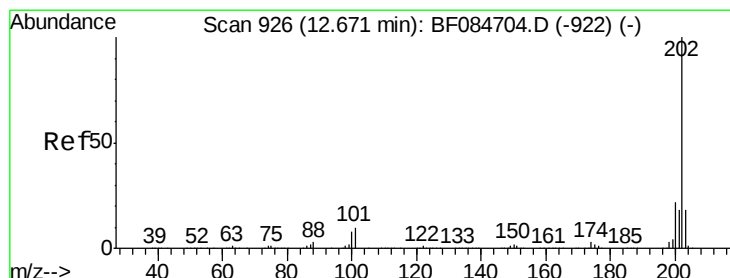
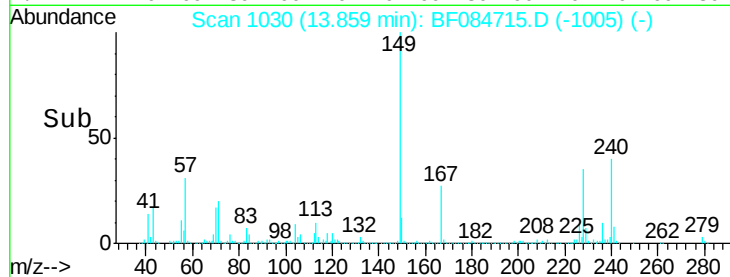
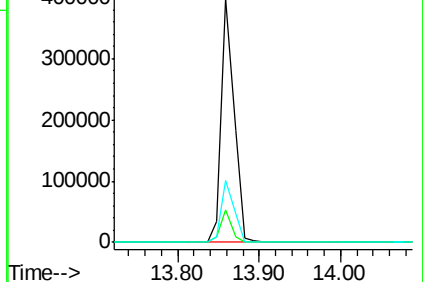
236 25.6 20.6 31.0



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



#77

Pyrene

Concen: 88.64 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

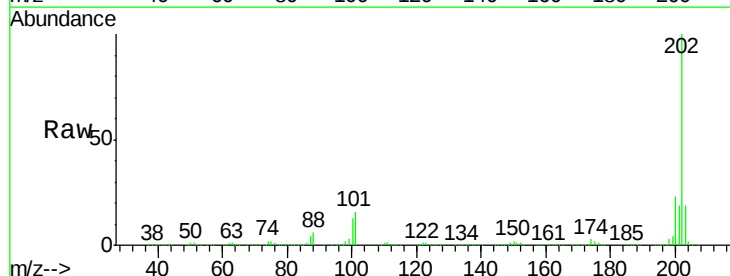
Tgt Ion:202 Resp: 2917298

Ion Ratio Lower Upper

202 100

200 23.2 17.2 25.8

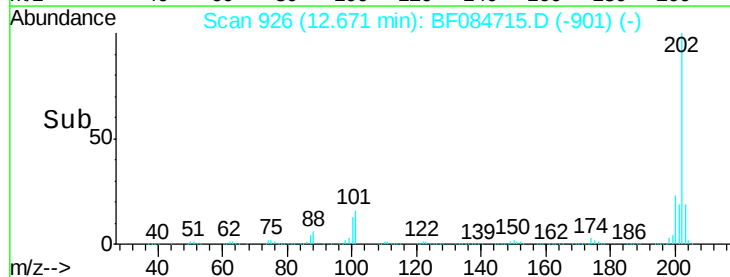
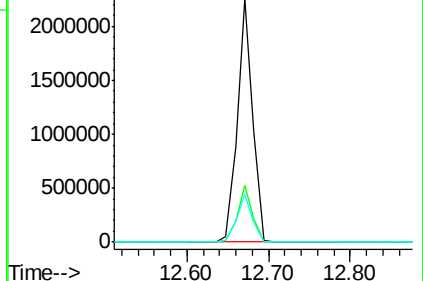
203 19.4 14.3 21.5

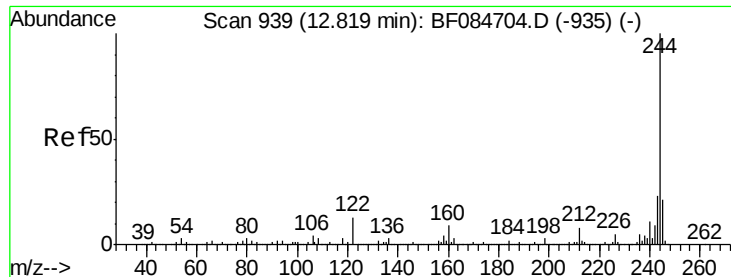


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 81.17 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Instrument :

BNA_F

ClientSampleId :

9024

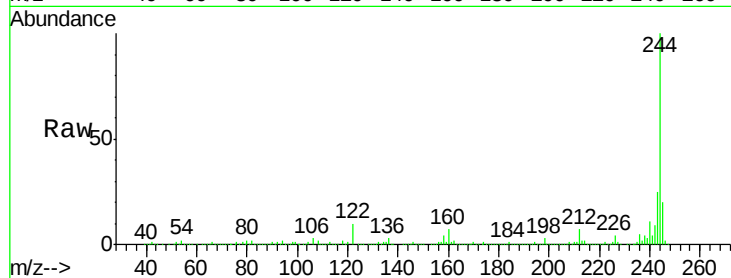
Tot Ion:244 Resp: 1539691

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

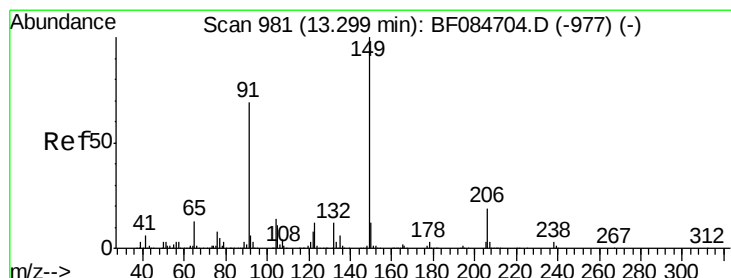
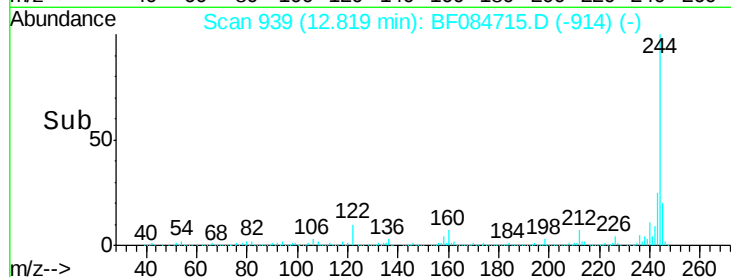
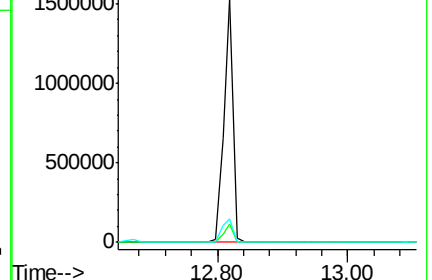
122 9.5 7.4 11.0



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: 122.55 ng

RT: 13.30 min Scan# 981

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

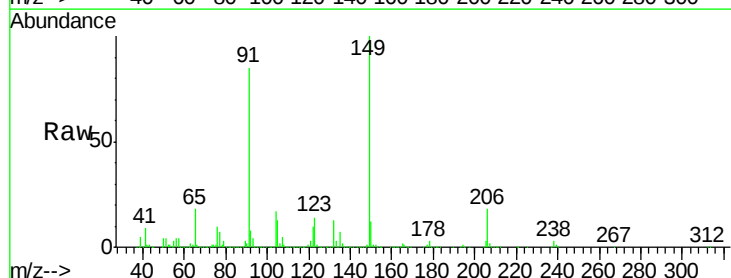
Tgt Ion:149 Resp: 1829580

Ion Ratio Lower Upper

149 100

91 84.6 57.6 86.4

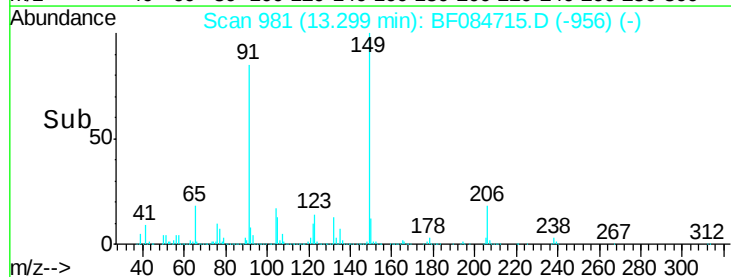
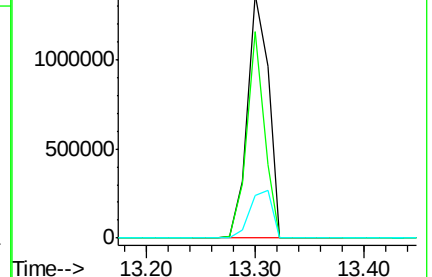
206 17.8 13.2 19.8

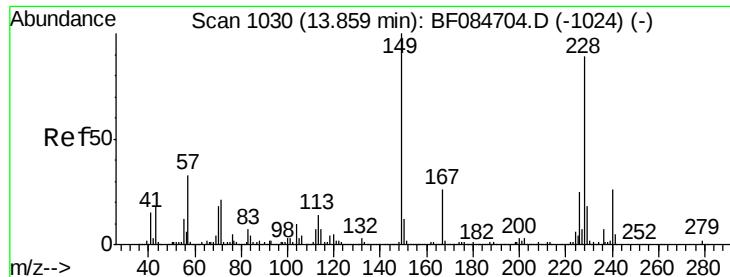


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

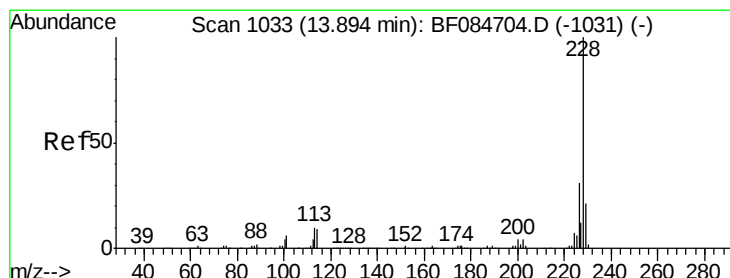
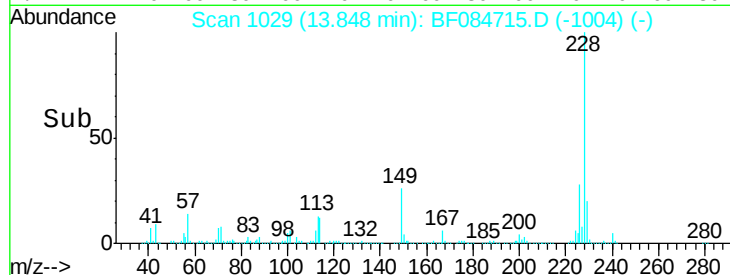
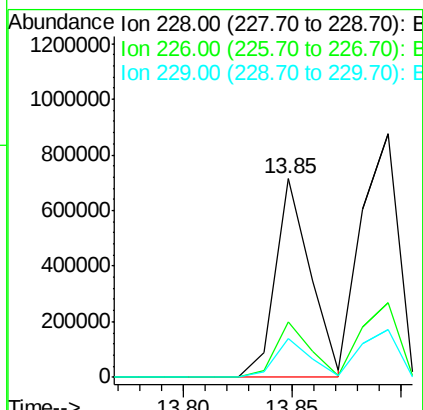
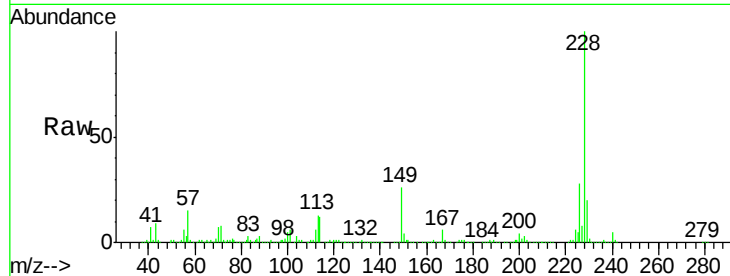




#80
Benzo(a)anthracene
Concen: 30.25 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF084715.D
Acq: 1 Feb 2016 18:00

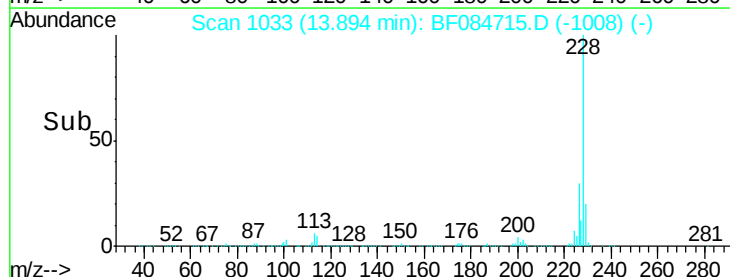
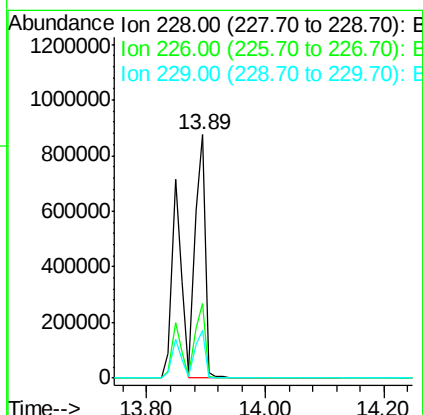
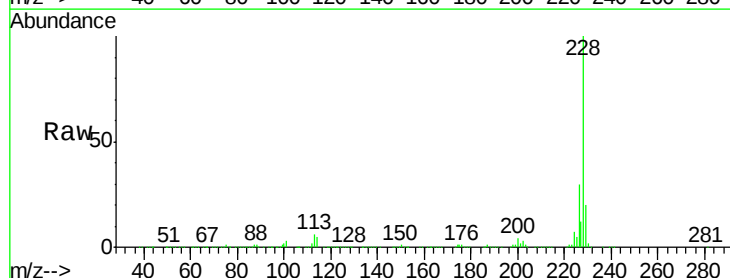
Instrument :
BNA_F
ClientSampled :
9024

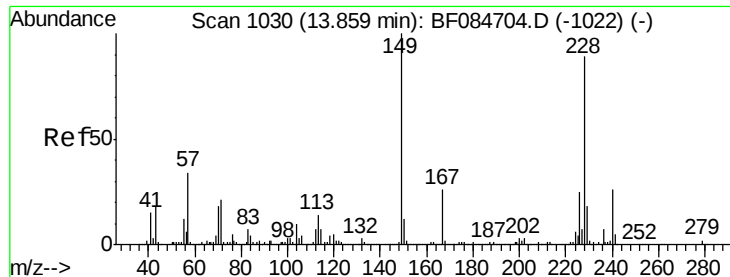
Tot Ion:228 Resp: 806998
Ion Ratio Lower Upper
228 100
226 27.8 21.8 32.6
229 19.7 15.8 23.8



#82
Chrysene
Concen: 40.51 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF084715.D
Acq: 1 Feb 2016 18:00

Tgt Ion:228 Resp: 1047940
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 19.8 16.1 24.1





#83

Bis(2-ethylhexyl)phthalate

Concen: 46.73 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Instrument :

BNA_F

ClientSampleId :

9024

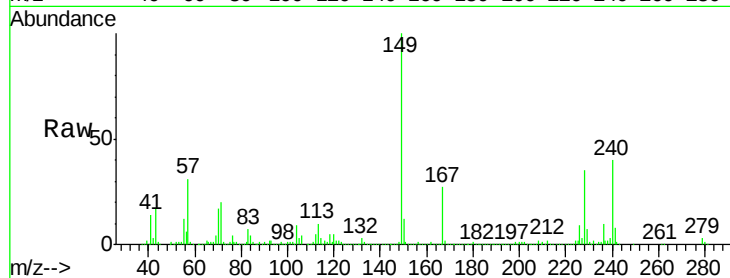
Tot Ion:149 Resp: 868236

Ion Ratio Lower Upper

149 100

167 26.7 19.7 29.5

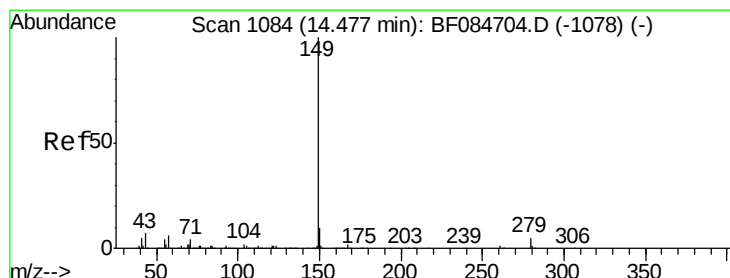
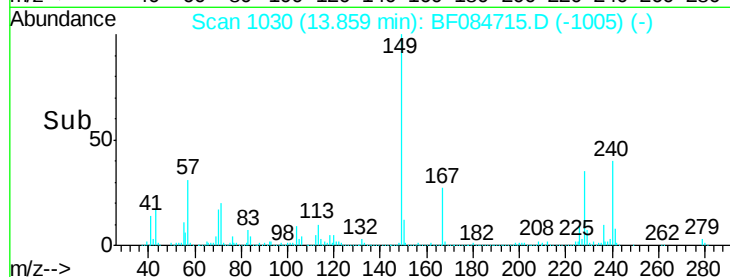
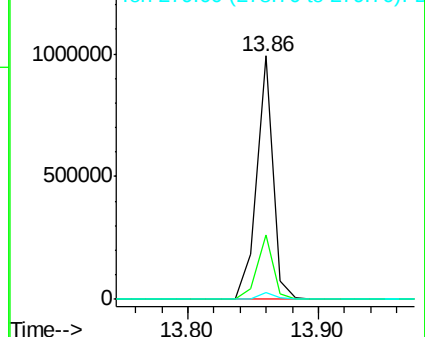
279 2.8 1.8 2.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 124.81 ng

RT: 14.48 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

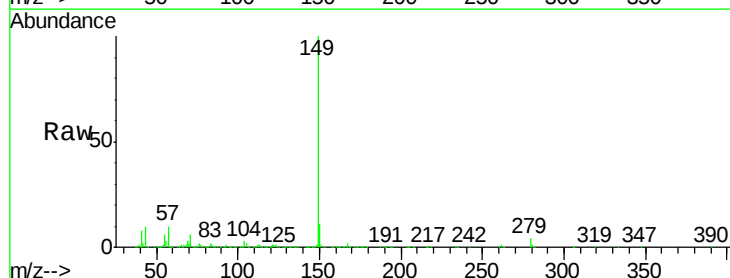
Tgt Ion:149 Resp: 3825599

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

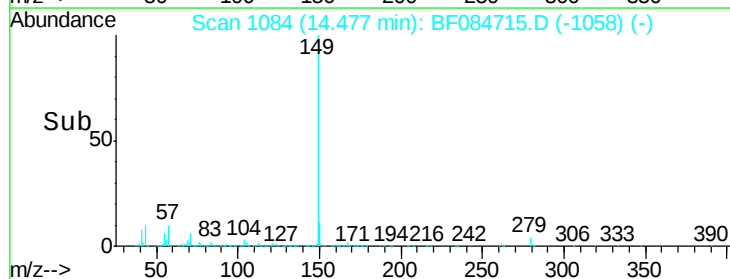
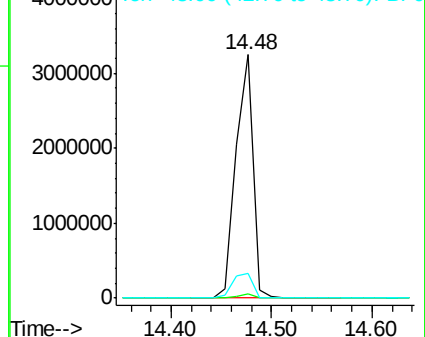
43 11.9 5.6 8.4#

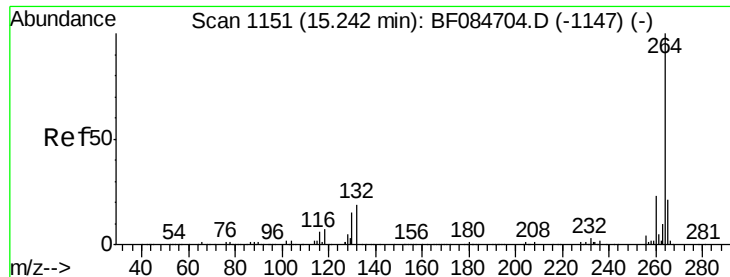


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.24 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Instrument :

BNA_F

ClientSampleId :

9024

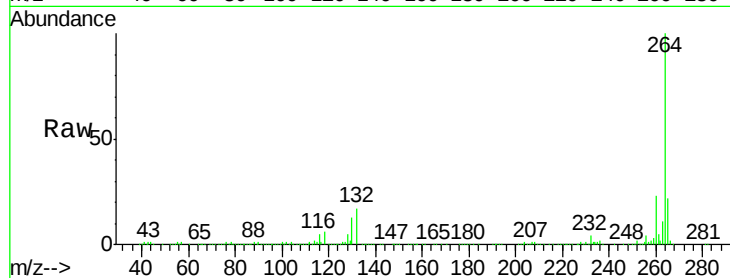
Tot Ion:264 Resp: 372622

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.2

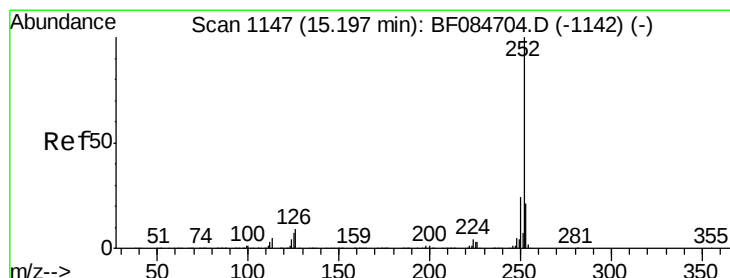
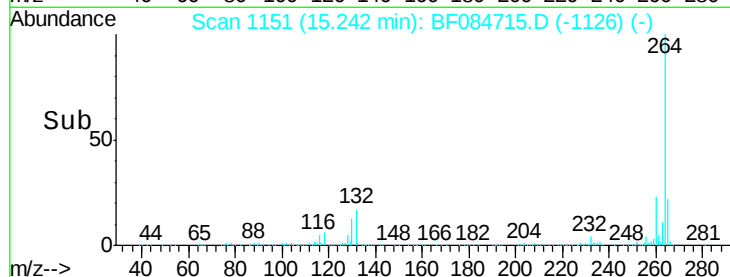
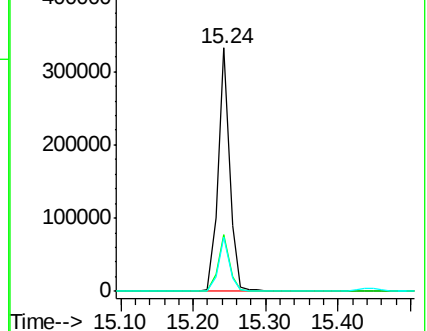
265 22.2 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#89

Benzo(a)pyrene

Concen: 38.01 ng

RT: 15.19 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

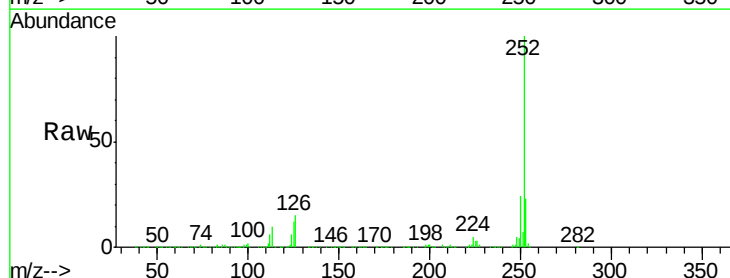
Tgt Ion:252 Resp: 810938

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

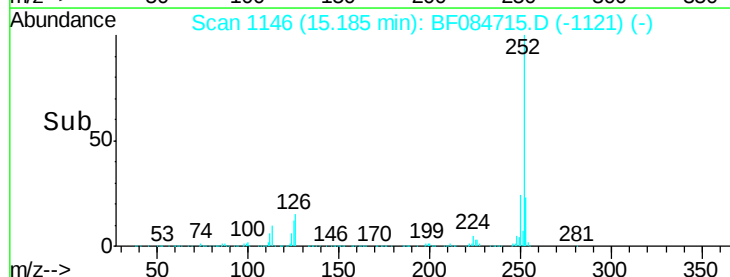
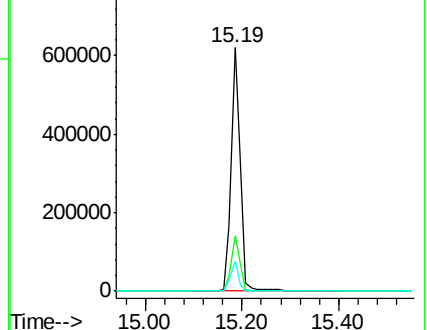
125 12.2 7.0 10.4#

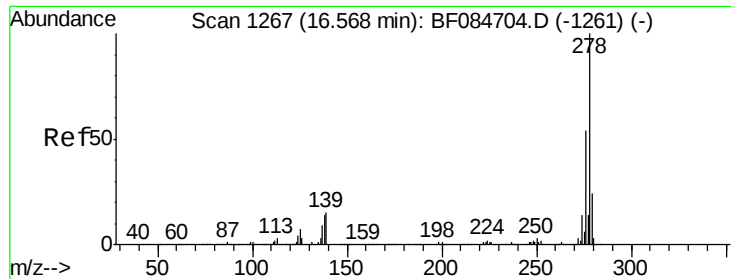


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 114.17 ng

RT: 16.58 min Scan# 1268

Delta R.T. -0.00 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

Instrument :

BNA_F

ClientSampleId :

9024

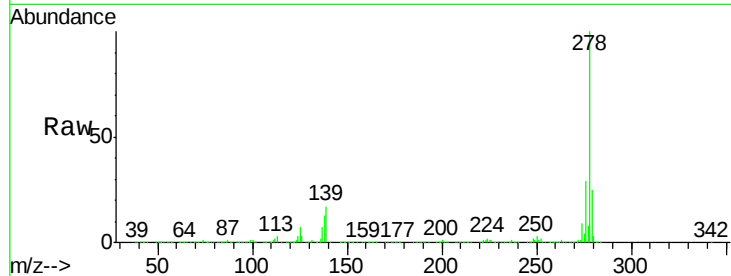
Tot Ion:278 Resp: 2050109

Ion Ratio Lower Upper

278 100

139 17.0 15.0 22.4

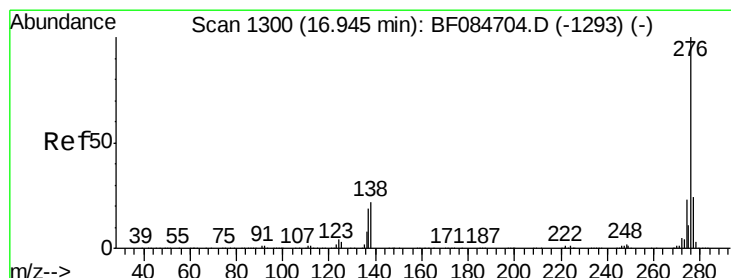
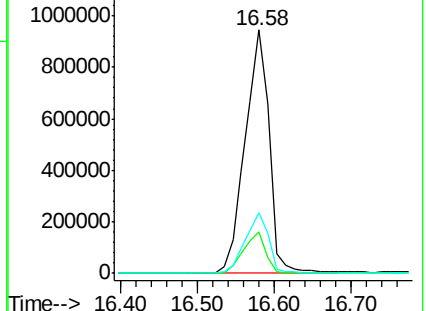
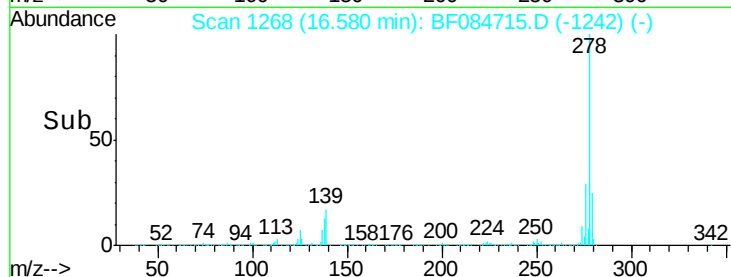
279 25.1 18.9 28.3



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(g,h,i)perylene

Concen: 138.54 ng

RT: 16.98 min Scan# 1303

Delta R.T. 0.02 min

Lab File: BF084715.D

Acq: 1 Feb 2016 18:00

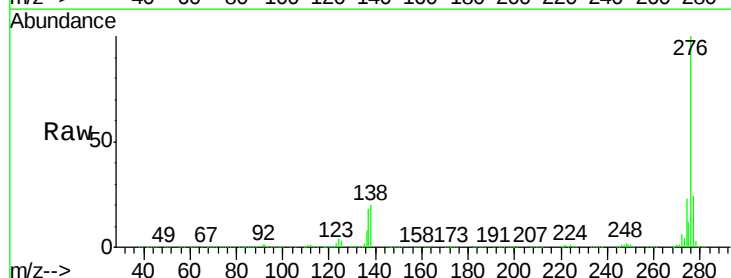
Tgt Ion:276 Resp: 2505979

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 20.3 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

