

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
 Data File : BF084725.D
 Acq On : 1 Feb 2016 22:41
 Operator : SJ/IZ
 Sample : H1256-14DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9036DL

Quant Time: Feb 02 00:35:28 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	6.70	152	165056	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	701193	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	320299	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	652714	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	545134	20.00	ng	-0.01
86) Perylene-d12	15.24	264	396540	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	354184	33.42	ng	-0.01
7) Phenol-d6	6.35	99	432707	32.94	ng	-0.02
23) Nitrobenzene-d5	7.28	82	269932	21.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	115160	34.47	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	494091	19.99	ng	-0.02
78) Terphenyl-d14	12.81	244	520007	21.62	ng	-0.02

Target Compounds						Qvalue
4) n-Nitrosodimethylamine	2.83	42	201055	32.14	ng	80
6) Aniline	6.44	93	243839	15.17	ng	# 49
11) bis(2-Chloroethyl)ether	6.44	93	243839	21.25	ng	# 79
12) 1,3-Dichlorobenzene	6.65	146	282245	22.27	ng	# 96
13) 1,4-Dichlorobenzene	6.73	146	401285	31.68	ng	93
14) 1,2-Dichlorobenzene	6.73	146	401285	34.01	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.00	45	616986	31.96	ng	86
18) Hexachloroethane	7.22	117	105137	21.55	ng	92
19) n-Nitroso-di-n-propylamine	7.13	70	190978	23.19	ng	# 77
24) Nitrobenzene	7.30	77	487073	36.54	ng	96
25) Isophorone	7.54	82	402850	16.64	ng	95
31) Naphthalene	8.02	128	769460	21.88	ng	99
33) 4-Chloroaniline	8.02	127	102027	7.01	ng	# 34
34) Hexachlorobutadiene	8.14	225	140576	22.06	ng	99
37) 2-Methylnaphthalene	8.70	142	133413	6.06	ng	97
40) Hexachlorocyclopentadiene	8.86	237	116037	34.21	ng	99
46) 2-Chloronaphthalene	9.20	162	382803	18.17	ng	93
48) Acenaphthylene	9.61	152	625135	19.55	ng	98
49) Dimethylphthalate	9.48	163	939482	38.51	ng	# 91
50) 2,6-Dinitrotoluene	9.54	165	67714	12.71	ng	# 71
56) 2,4-Dinitrotoluene	9.74	165	41786	6.15	ng	# 21
57) Fluorene	10.29	166	765253	36.05	ng	100
59) Diethylphthalate	10.18	149	1001904	42.06	ng	98
66) 4-Bromophenyl-phenylether	10.78	248	239905	33.28	ng	93
67) Hexachlorobenzene	10.84	284	122301	15.57	ng	97
70) Phenanthrene	11.25	178	450049	12.43	ng	99
71) Anthracene	11.30	178	235236	6.45	ng	99
73) Di-n-butylphthalate	11.80	149	373816	9.23	ng	99
74) Fluoranthene	12.43	202	573811	15.66	ng	99
76) Benzidine	12.81	184	6936	7.13	ng	# 92
77) Pyrene	12.66	202	537688	12.88	ng	99
80) Benzo(a)anthracene	13.88	228	524970	15.52	ng	97
82) Chrysene	13.88	228	524970	16.00	ng	99
83) Bis(2-ethylhexyl)phthalate	13.86	149	189142	8.03	ng	# 94

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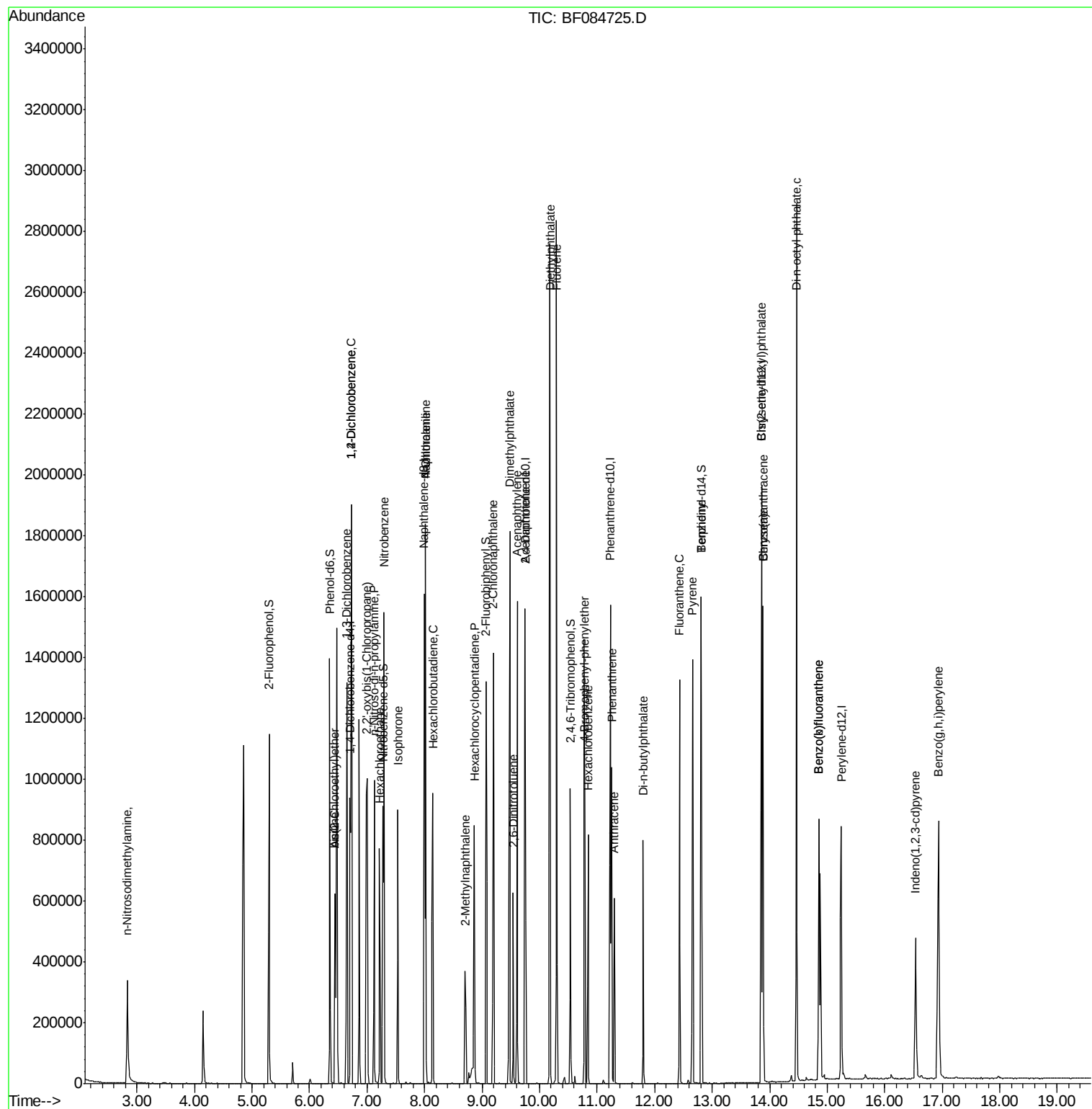
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Di-n-octyl phthalate	14.47	149	1262634	32.48	ng	# 88
85) Indeno(1,2,3-cd)pyrene	16.53	276	340352	13.18	ng	# 93
87) Benzo(b)fluoranthene	14.85	252	662439	24.86	ng	# 97
88) Benzo(k)fluoranthene	14.85	252	662439	30.07	ng	99
91) Benzo(g,h,i)perylene	16.93	276	686384	35.66	ng	99

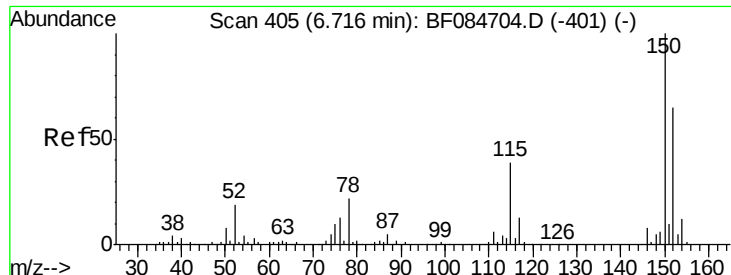
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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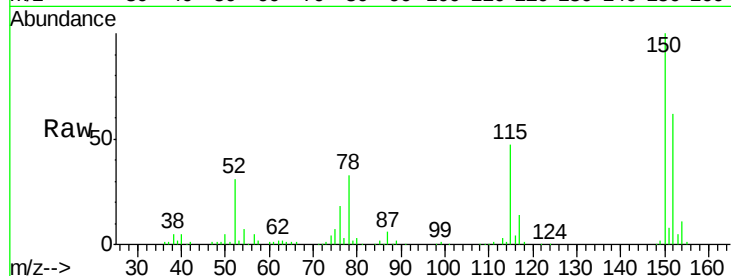


#1

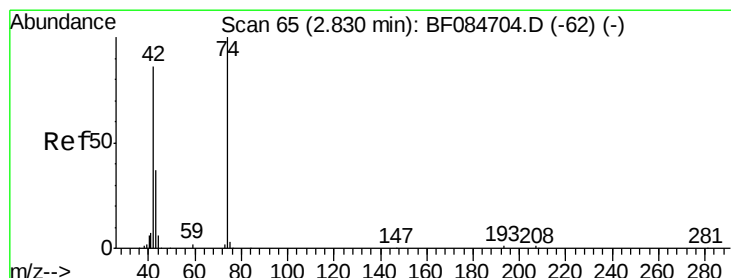
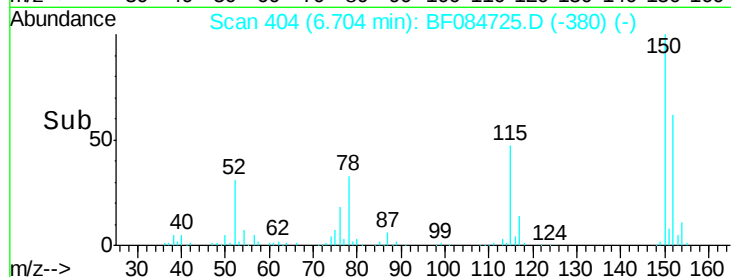
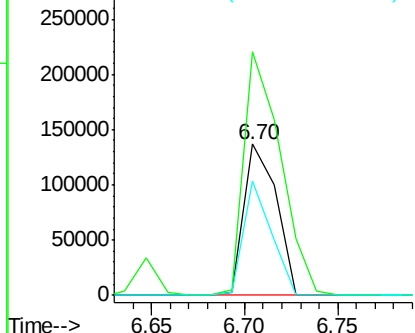
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.02 min
Lab File: BF084725.D
Acq: 1 Feb 2016 22:41

Instrument :
BNA_F
ClientSampleId :
9036DL

Tgt Ion:152 Resp: 165056
Ion Ratio Lower Upper
152 100
150 160.9 123.0 184.4
115 75.9 51.4 77.2



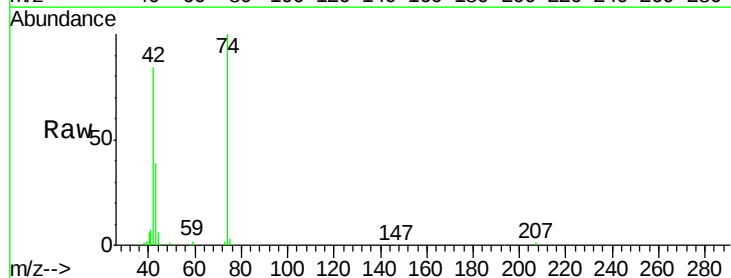
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



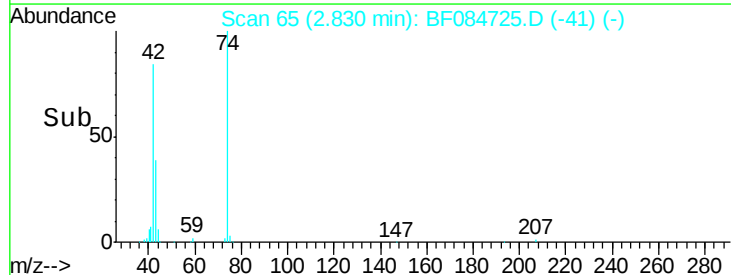
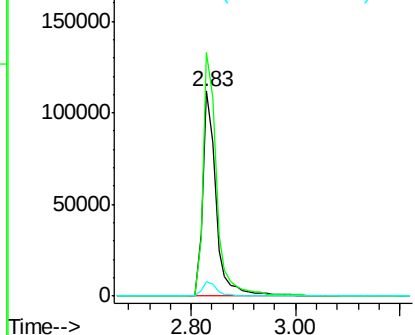
#4

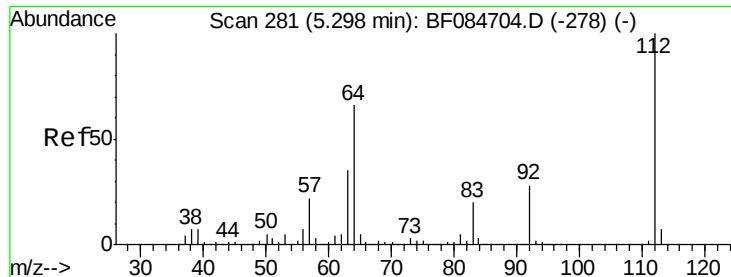
n-Nitrosodimethylamine
Concen: 32.14 ng
RT: 2.83 min Scan# 65
Delta R.T. -0.02 min
Lab File: BF084725.D
Acq: 1 Feb 2016 22:41

Tgt Ion: 42 Resp: 201055
Ion Ratio Lower Upper
42 100
74 118.9 115.7 173.5
44 7.4 5.1 7.7



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 33.42 ng

RT: 5.30 min Scan# 281

Delta R.T. -0.01 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

Instrument :

BNA_F

ClientSampleId :

9036DL

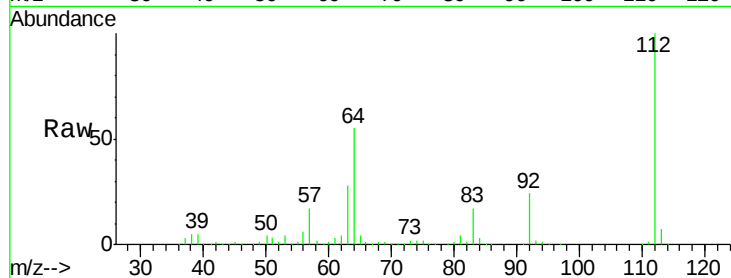
Tgt Ion: 112 Resp: 354184

Ion Ratio Lower Upper

112 100

64 54.6 36.6 55.0

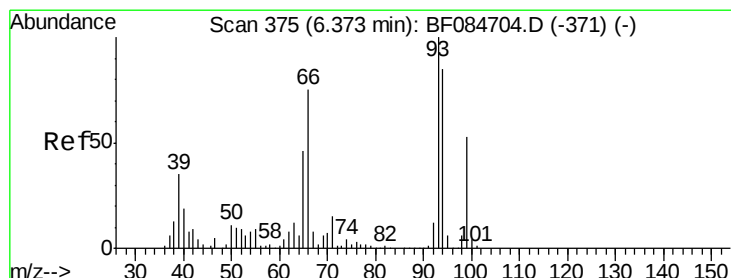
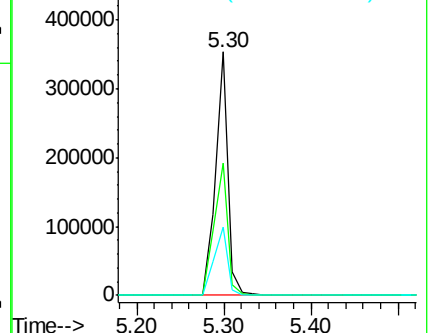
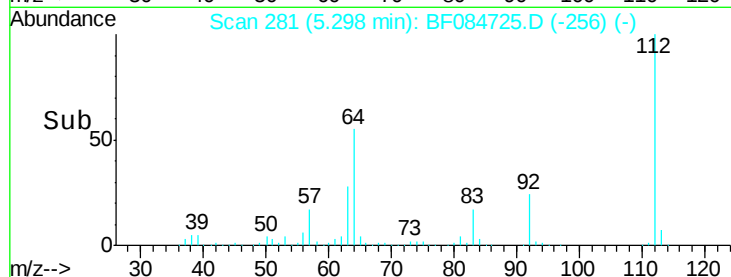
63 28.2 19.4 29.0



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



#6

Aniline

Concen: 15.17 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.06 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

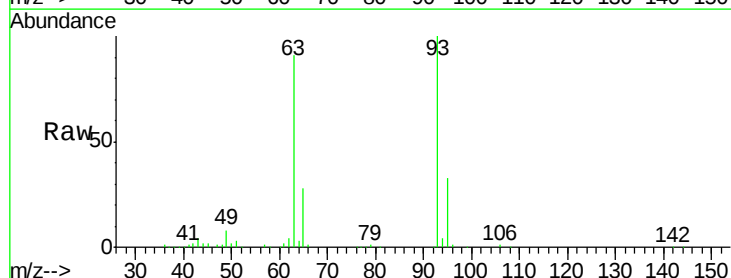
Tgt Ion: 93 Resp: 243839

Ion Ratio Lower Upper

93 100

66 0.8 44.9 67.3#

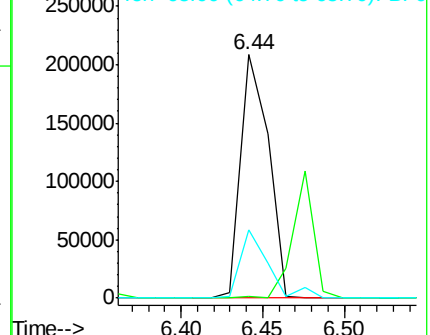
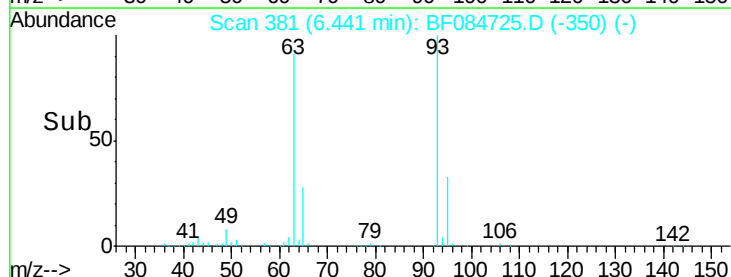
65 27.9 23.7 35.5

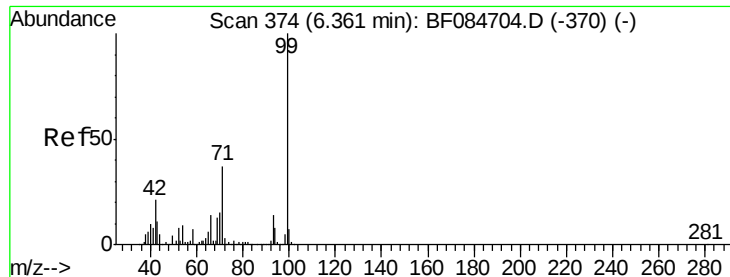


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 32.94 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

Instrument :

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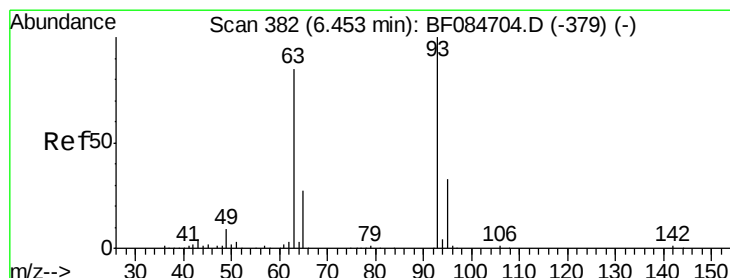
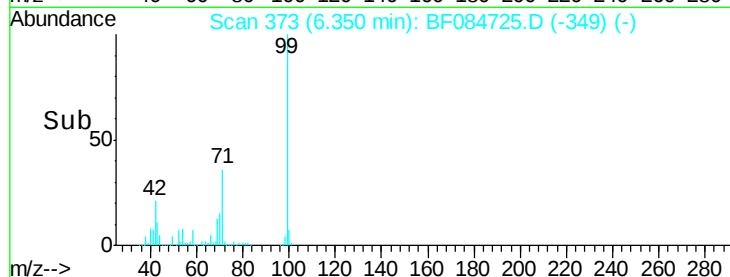
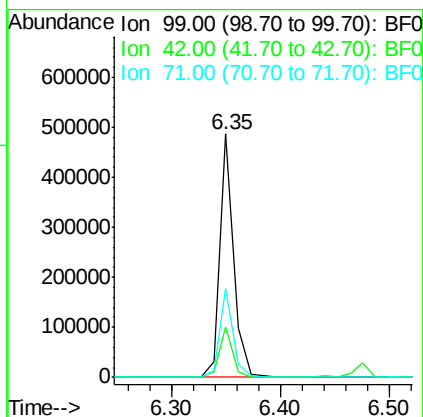
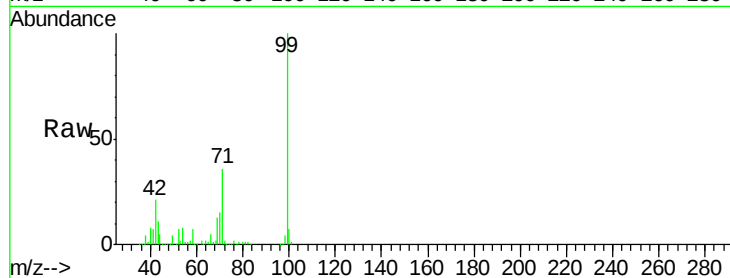
Tgt Ion: 99 Resp: 432707

Ion Ratio Lower Upper

99 100

42 20.8 12.8 19.2#

71 36.4 30.9 46.3



#11

bis(2-Chloroethyl)ether

Concen: 21.25 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

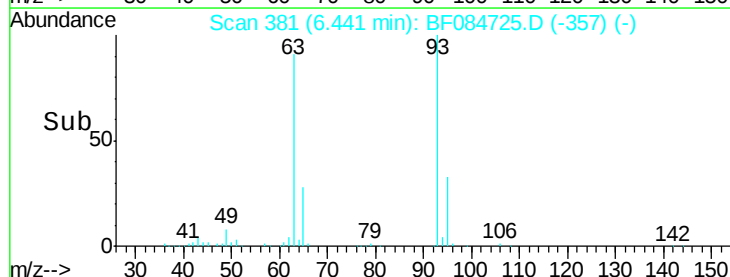
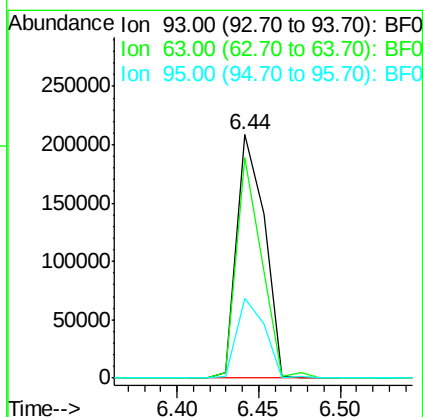
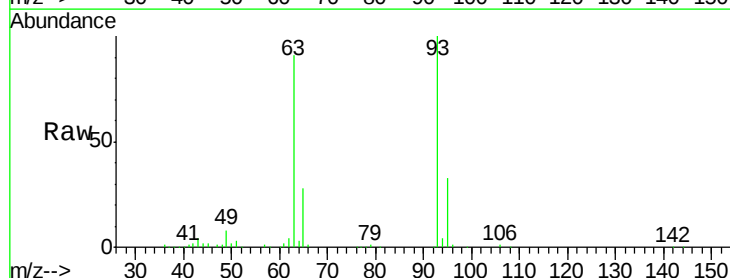
Tgt Ion: 93 Resp: 243839

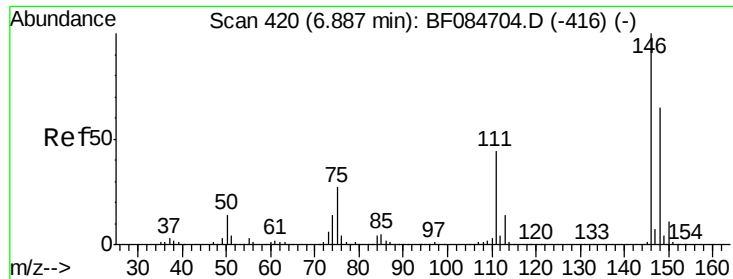
Ion Ratio Lower Upper

93 100

63 90.7 45.9 85.9#

95 32.5 12.3 52.3





#12

1,3-Dichlorobenzene

Concen: 22.27 ng

RT: 6.65 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

Instrument :

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ClientSampleId :

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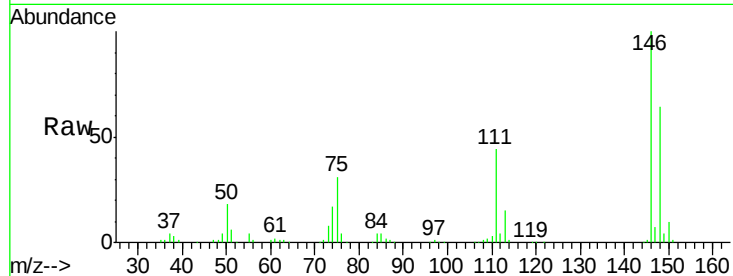
Tgt Ion:146 Resp: 282245

Ion Ratio Lower Upper

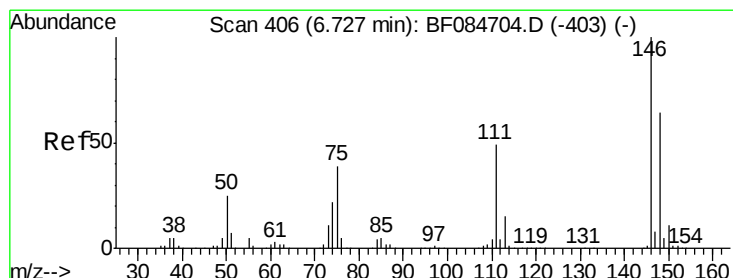
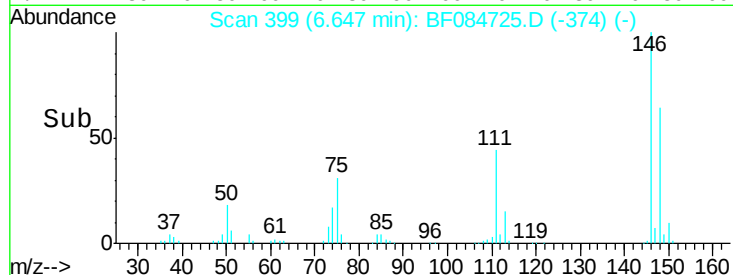
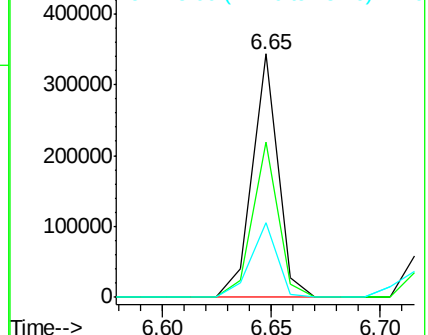
146 100

148 63.8 51.9 77.9

75 30.9 20.5 30.7#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 31.68 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.01 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

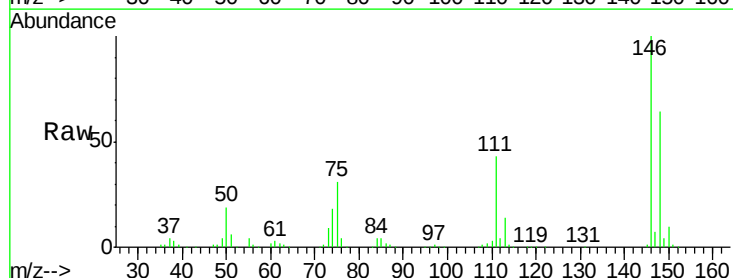
Tgt Ion:146 Resp: 401285

Ion Ratio Lower Upper

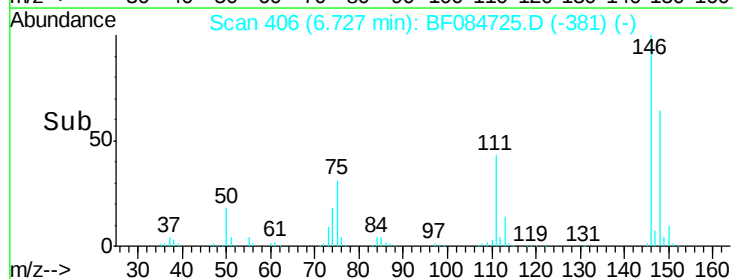
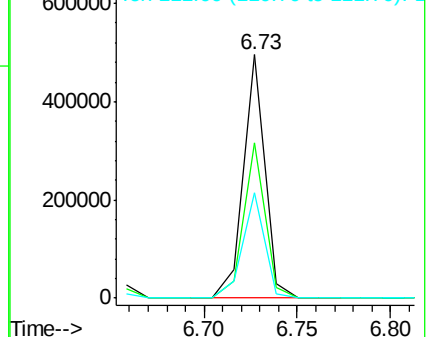
146 100

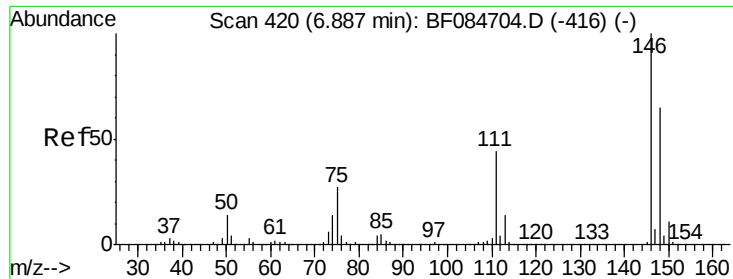
148 63.6 51.9 77.9

111 43.2 41.6 62.4



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





#14

1,2-Dichlorobenzene

Concen: 34.01 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.17 min

Lab File: BF084725.D

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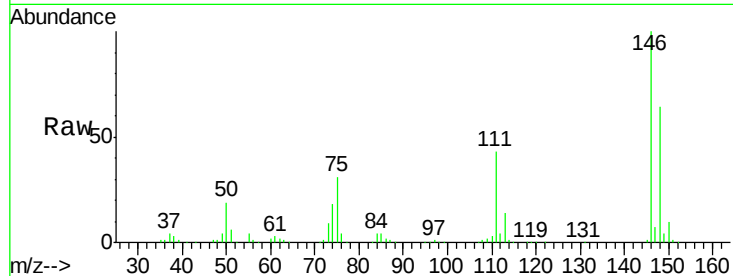
Tgt Ion:146 Resp: 401285

Ion Ratio Lower Upper

146 100

148 63.6 51.6 77.4

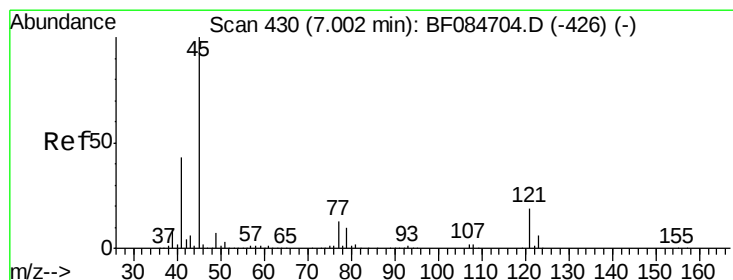
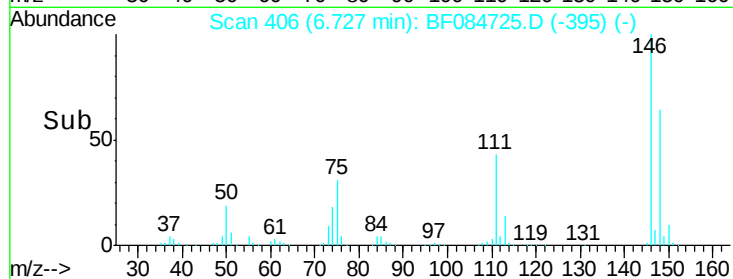
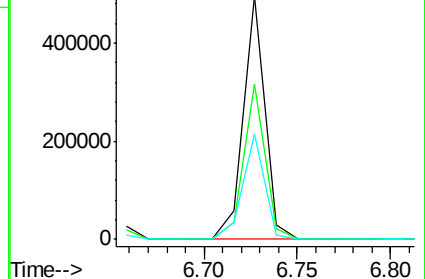
111 43.2 38.0 57.0



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 31.96 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.01 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

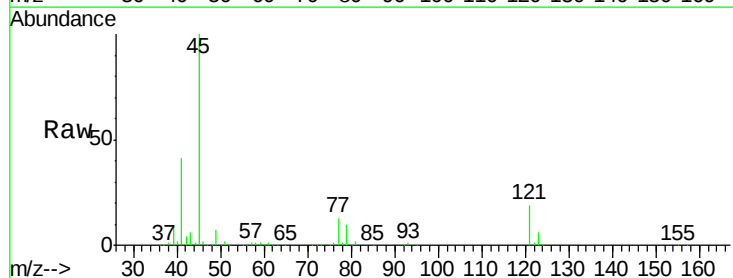
Tgt Ion: 45 Resp: 616986

Ion Ratio Lower Upper

45 100

77 12.5 0.0 39.6

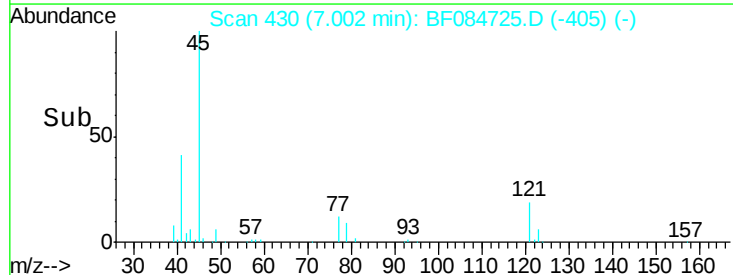
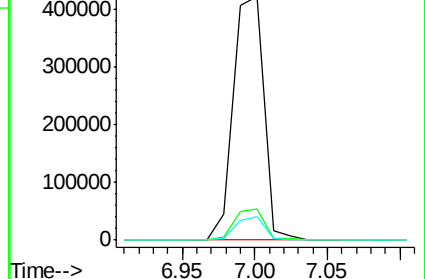
79 9.6 0.0 35.0

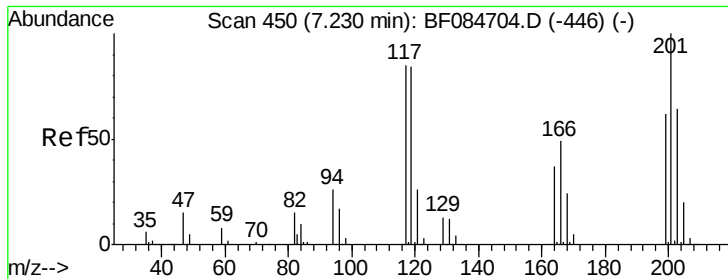


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

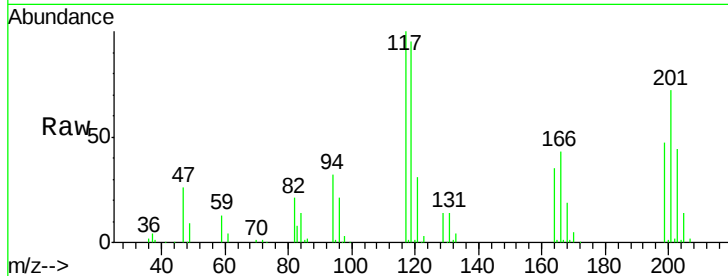




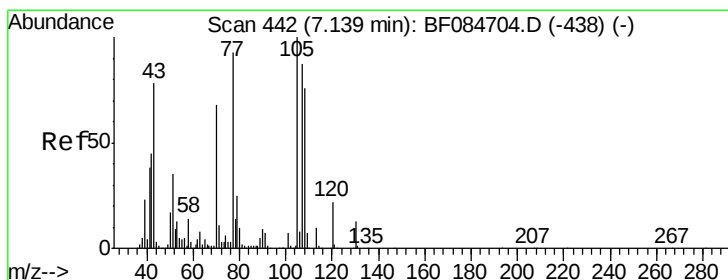
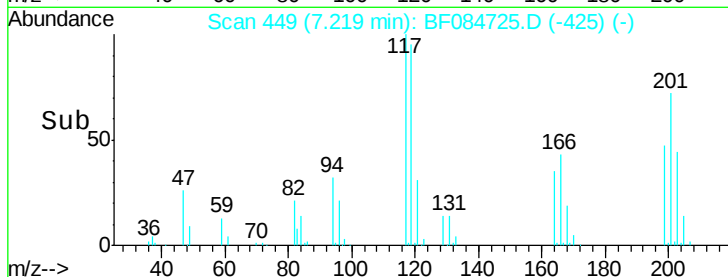
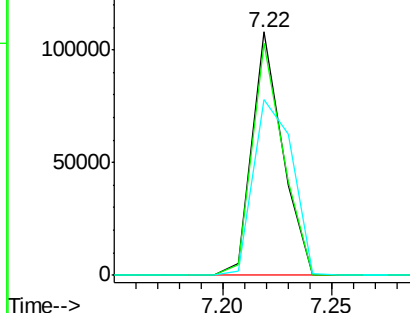
#18
Hexachloroethane
Concen: 21.55 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.02 min
Lab File: BF084725.D
Acq: 1 Feb 2016 22:41

Instrument :
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ClientSampleId :
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Tgt Ion: 117 Resp: 105137
Ion Ratio Lower Upper
117 100
119 95.1 77.4 116.0
201 72.4 68.6 103.0

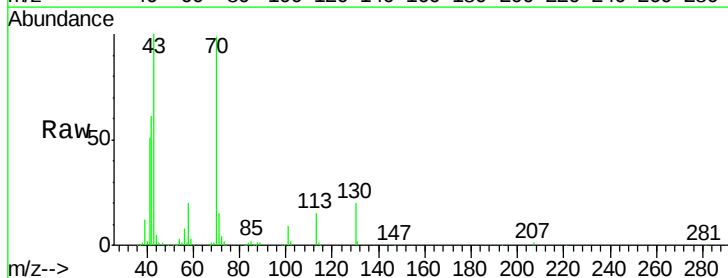


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

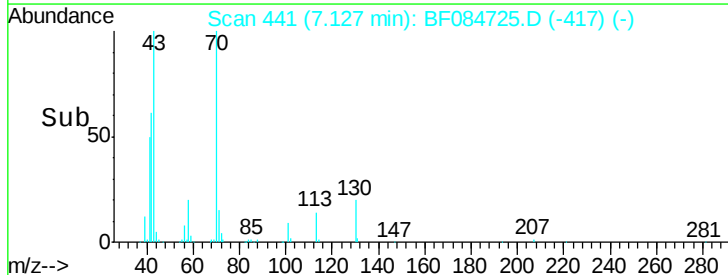
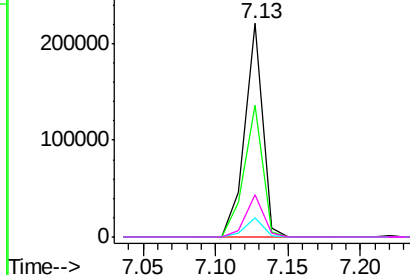


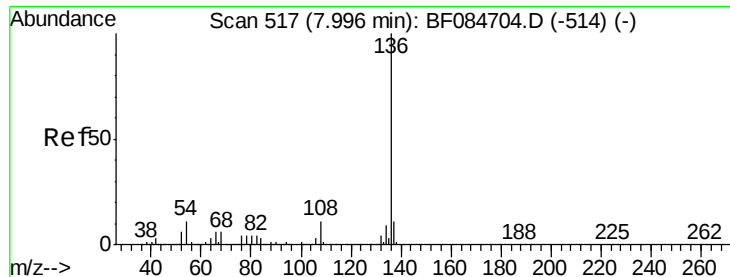
#19
n-Nitroso-di-n-propylamine
Concen: 23.19 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.02 min
Lab File: BF084725.D
Acq: 1 Feb 2016 22:41

Tgt Ion: 70 Resp: 190978
Ion Ratio Lower Upper
70 100
42 61.6 33.3 49.9#
101 9.3 9.3 13.9#
130 20.0 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

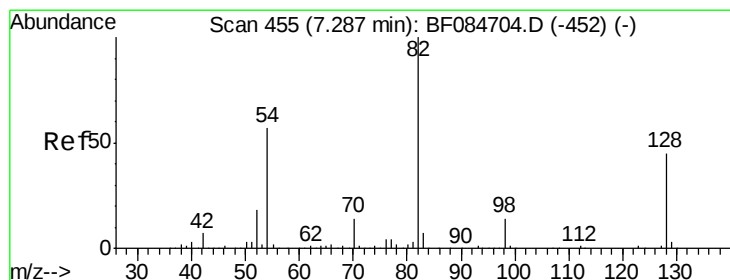
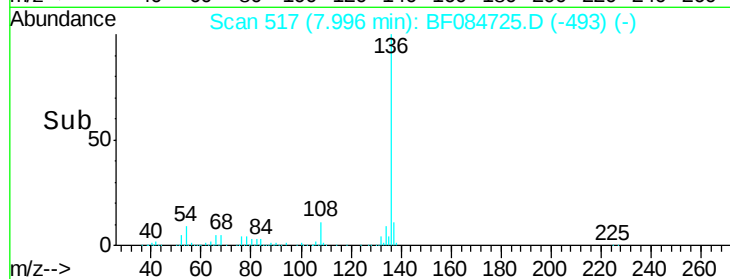
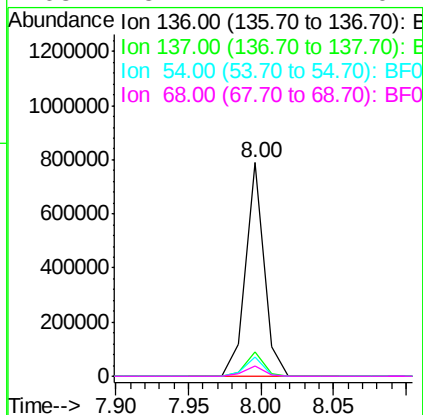
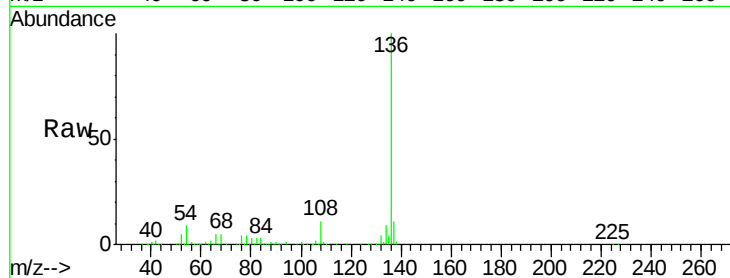




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.02 min
Lab File: BF084725.D
Acq: 1 Feb 2016 22:41

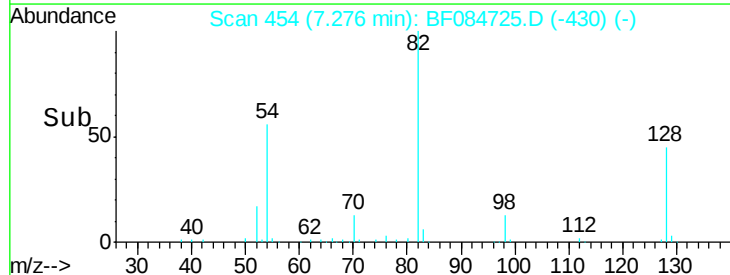
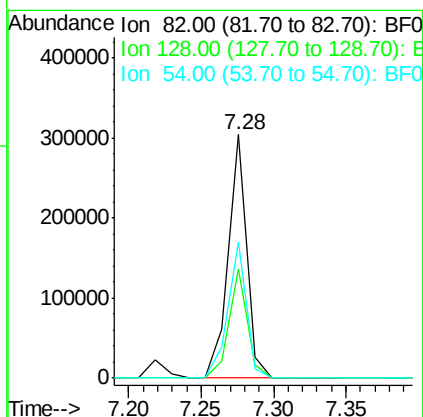
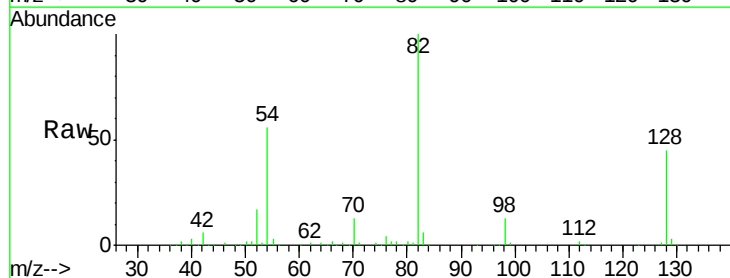
Instrument :
BNA_F
ClientSampleId :
9036DL

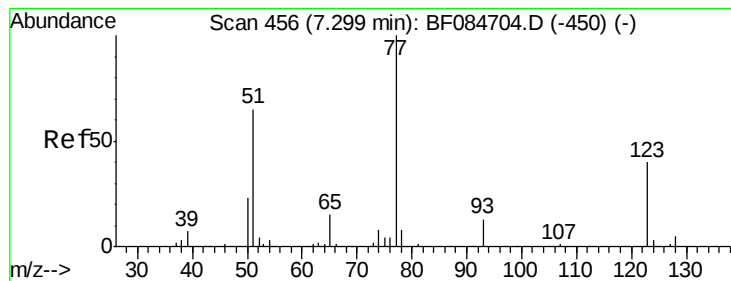
Tgt Ion:	136	Resp:	701193
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	9.1	5.8	8.8#
68	5.1	4.2	6.2



#23
Nitrobenzene-d5
Concen: 21.69 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.02 min
Lab File: BF084725.D
Acq: 1 Feb 2016 22:41

Tgt Ion:	82	Resp:	269932
Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.6	51.8
54	55.7	38.4	57.6





#24

Nitrobenzene

Concen: 36.54 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

Instrument :

BNA_F

ClientSampleId :

9036DL

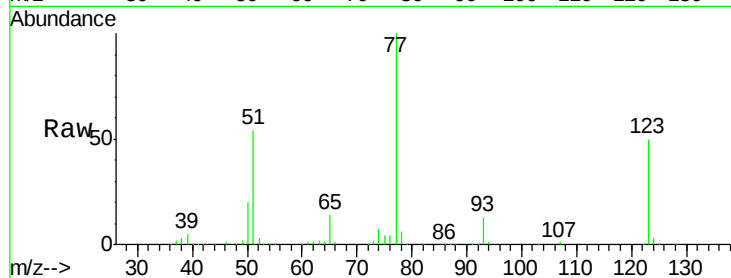
Tgt Ion: 77 Resp: 487073

Ion Ratio Lower Upper

77 100

123 49.9 37.4 56.2

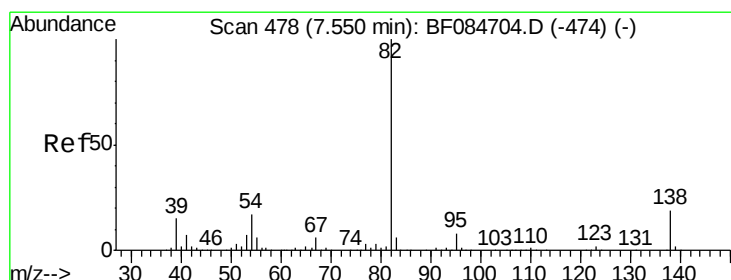
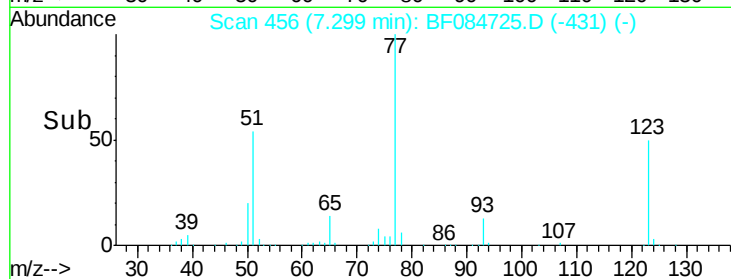
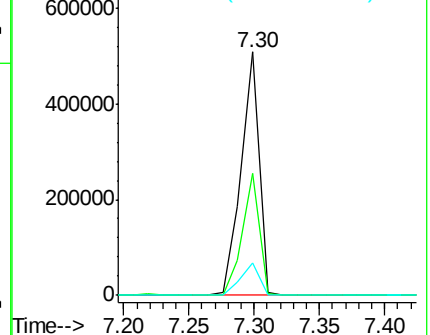
65 13.6 10.9 16.3



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 16.64 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.02 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

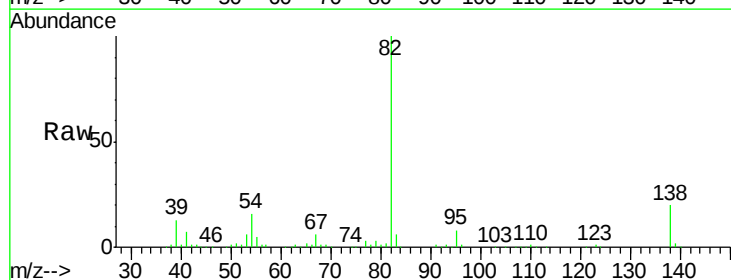
Tgt Ion: 82 Resp: 402850

Ion Ratio Lower Upper

82 100

95 7.6 6.6 10.0

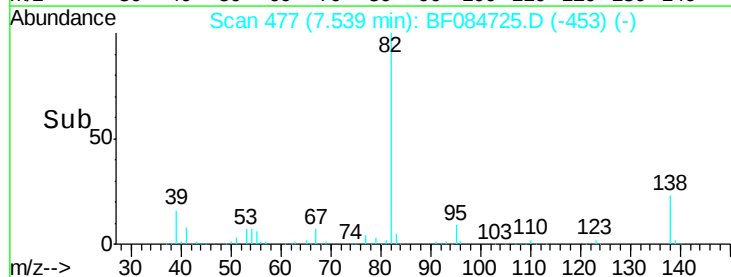
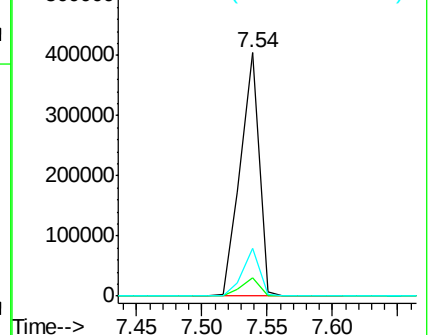
138 19.8 13.6 20.4

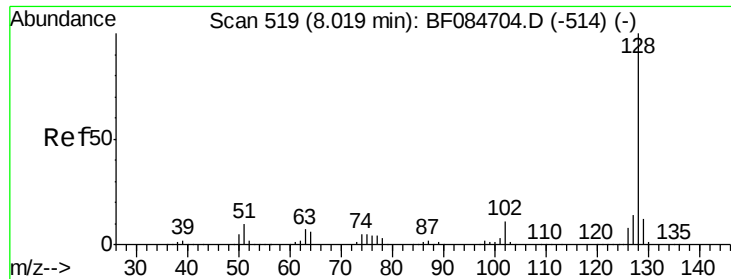


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

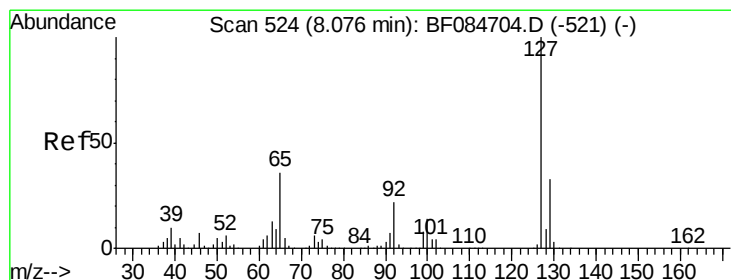
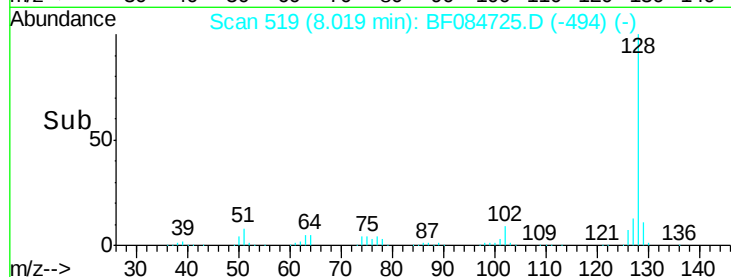
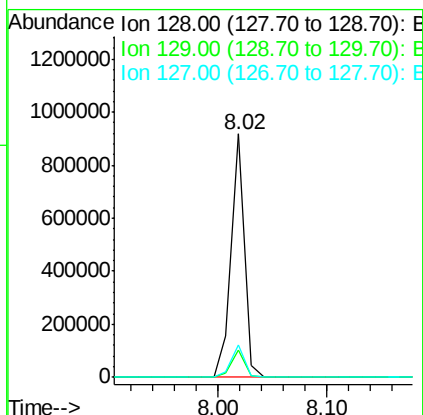
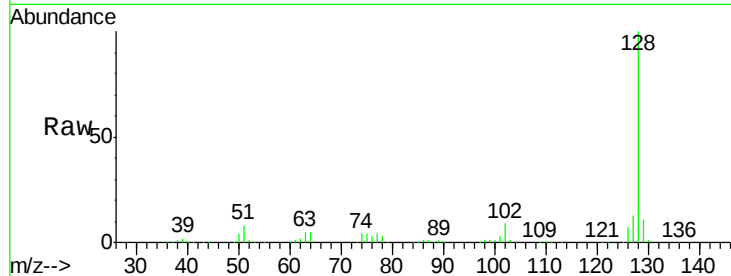




#31
Naphthalene
Concen: 21.88 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF084725.D
Acq: 1 Feb 2016 22:41

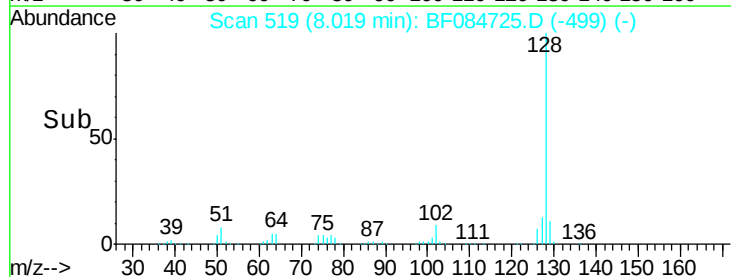
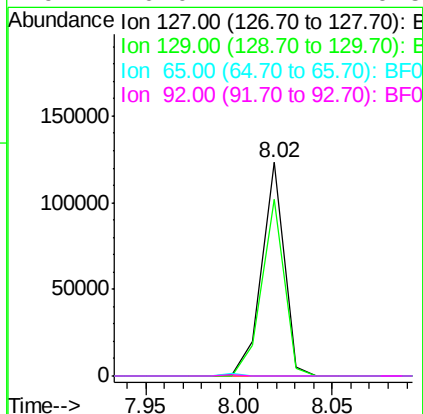
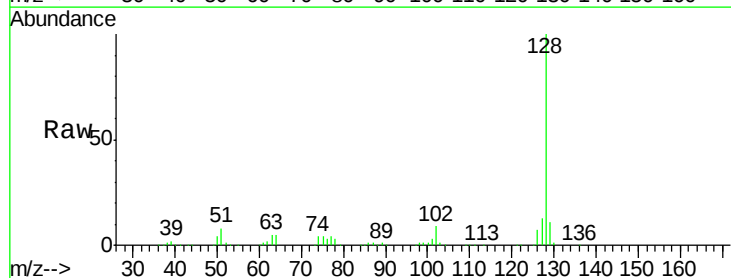
Instrument :
BNA_F
ClientSampleId :
9036DL

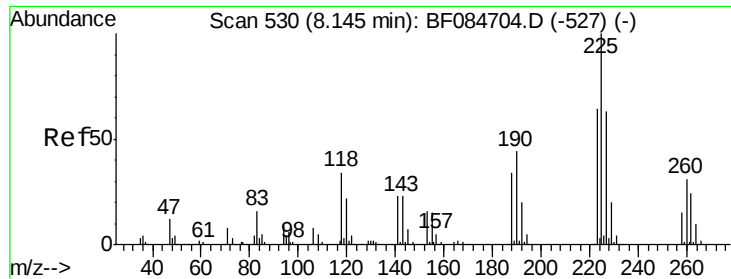
Tgt Ion:128 Resp: 769460
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 13.4 11.1 16.7



#33
4-Chloroaniline
Concen: 7.01 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.07 min
Lab File: BF084725.D
Acq: 1 Feb 2016 22:41

Tgt Ion:127 Resp: 102027
Ion Ratio Lower Upper
127 100
129 82.4 26.5 39.7#
65 0.0 27.2 40.8#
92 0.0 17.7 26.5#





#34

Hexachlorobutadiene

Concen: 22.06 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

Instrument :

BNA_F

ClientSampleId :

9036DL

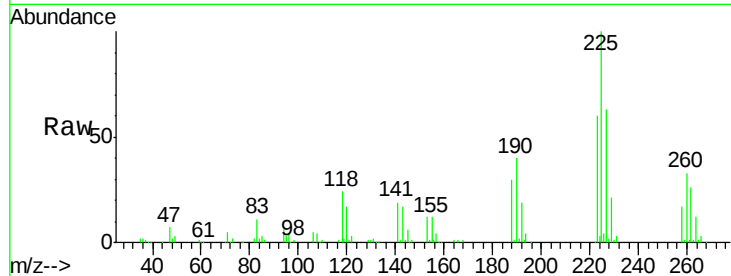
Tgt Ion:225 Resp: 140576

Ion Ratio Lower Upper

225 100

223 60.4 49.4 74.0

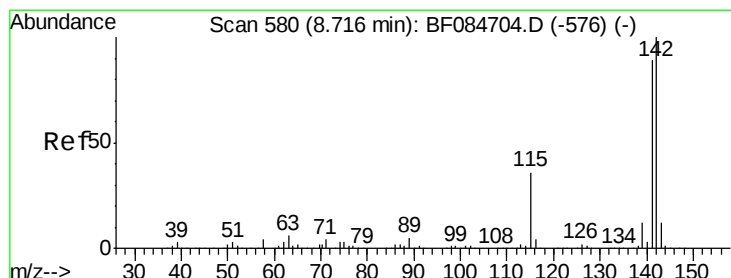
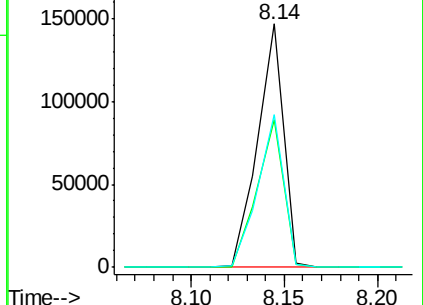
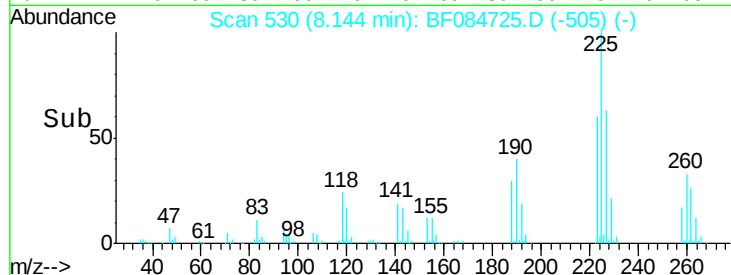
227 62.6 50.8 76.2



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



#37

2-Methylnaphthalene

Concen: 6.06 ng

RT: 8.70 min Scan# 579

Delta R.T. -0.02 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

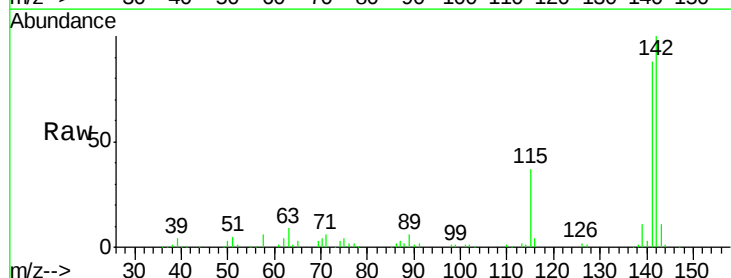
Tgt Ion:142 Resp: 133413

Ion Ratio Lower Upper

142 100

141 87.8 72.4 108.6

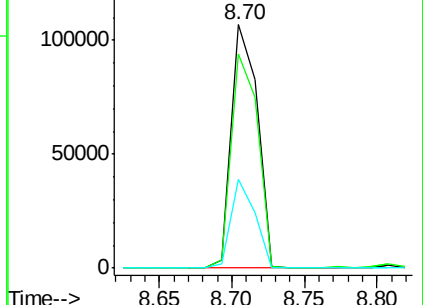
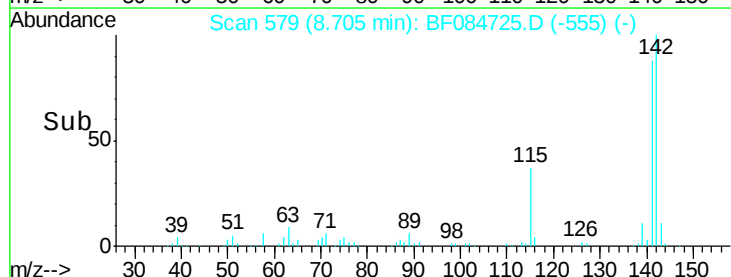
115 36.7 27.9 41.9

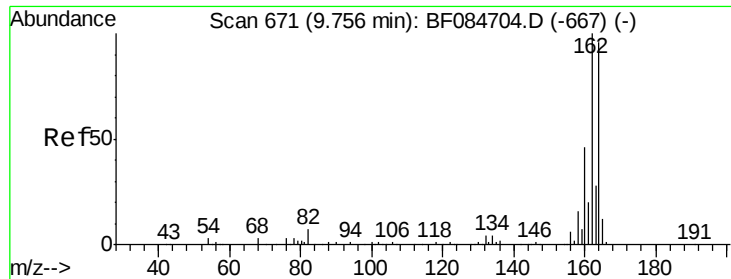


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

Instrument :

BNA_F

ClientSampleID :

9036DL

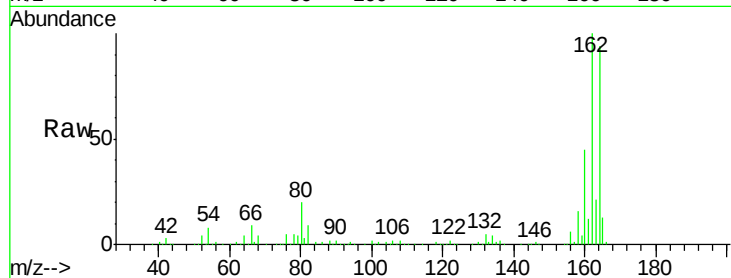
Tgt Ion:164 Resp: 320299

Ion Ratio Lower Upper

164 100

162 106.2 85.1 127.7

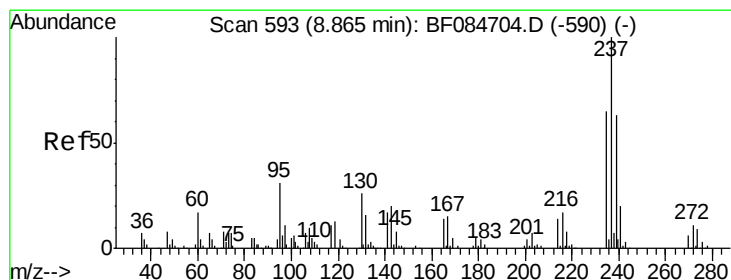
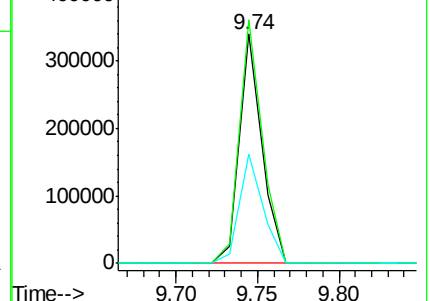
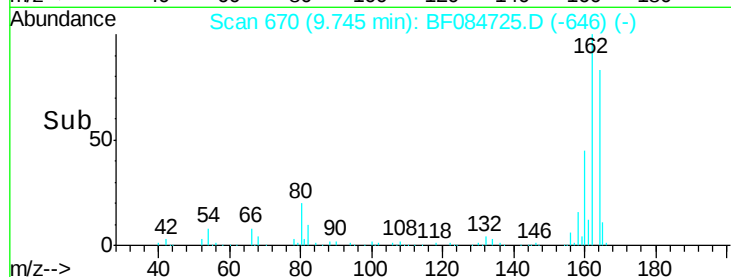
160 47.7 37.5 56.3



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



#40

Hexachlorocyclopentadiene

Concen: 34.21 ng

RT: 8.86 min Scan# 593

Delta R.T. -0.01 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

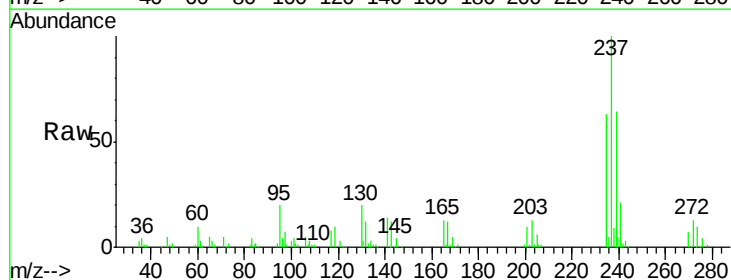
Tgt Ion:237 Resp: 116037

Ion Ratio Lower Upper

237 100

235 63.2 43.1 83.1

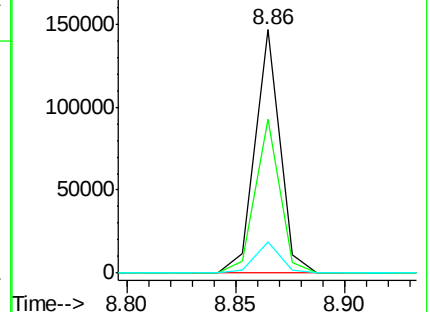
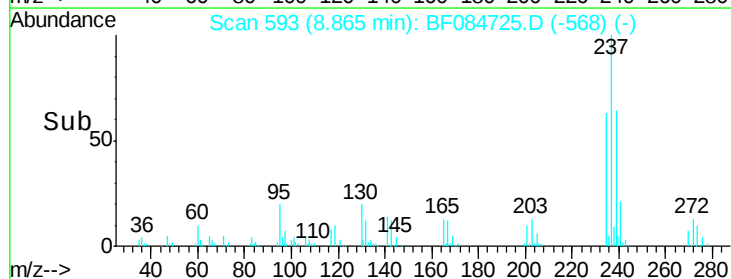
272 12.7 0.0 35.1

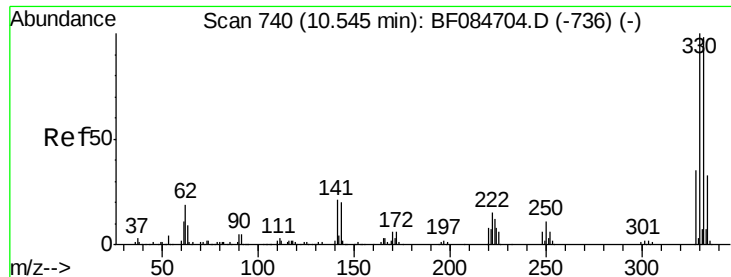


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

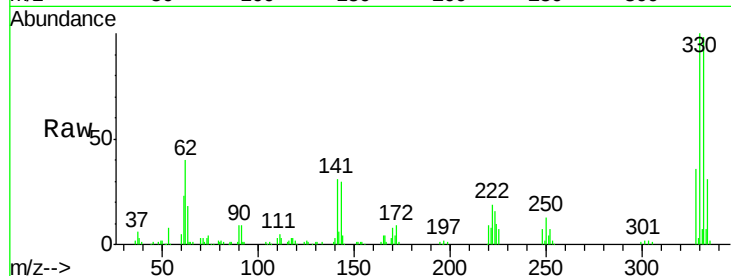




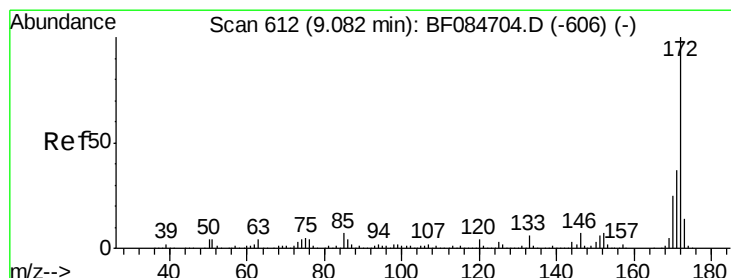
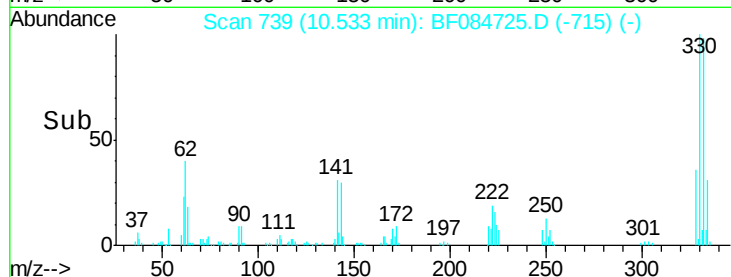
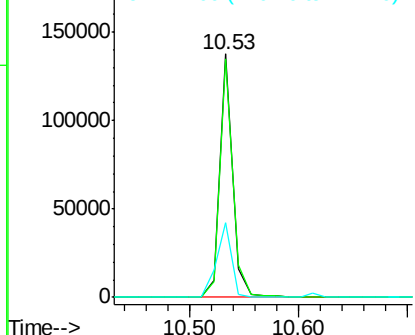
#41
 2,4,6-Tribromophenol
 Concen: 34.47 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF084725.D
 Acq: 1 Feb 2016 22:41

Instrument :
 BNA_F
 ClientSampleId :
 9036DL

Tgt Ion:330 Resp: 115160
 Ion Ratio Lower Upper
 330 100
 332 98.8 76.6 114.8
 141 36.0 27.8 41.6

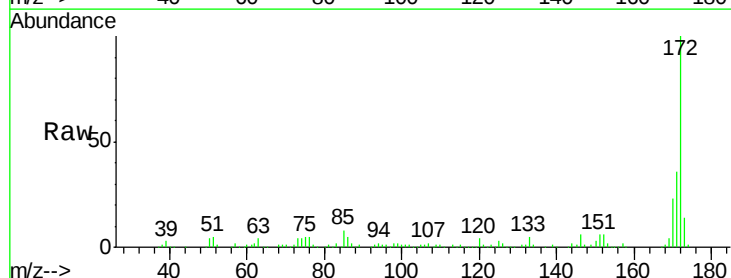


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

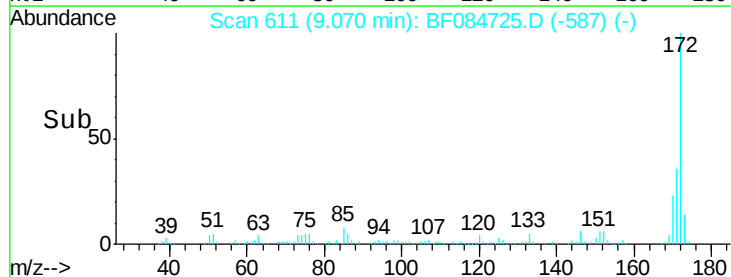
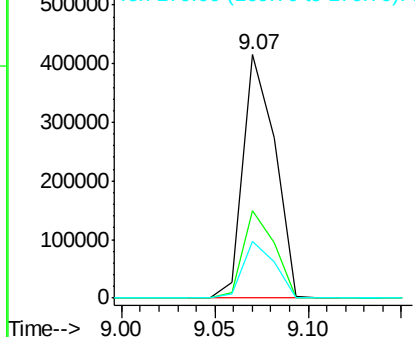


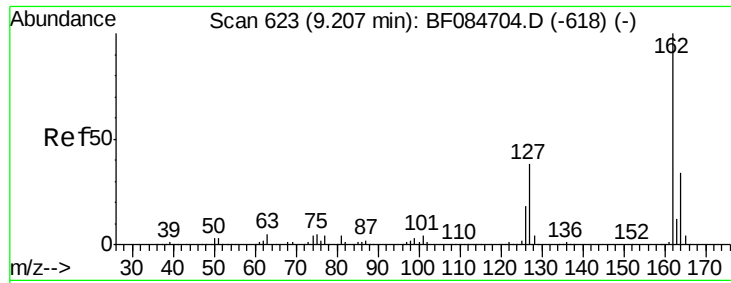
#44
 2-Fluorobiphenyl
 Concen: 19.99 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084725.D
 Acq: 1 Feb 2016 22:41

Tgt Ion:172 Resp: 494091
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.9 43.3
 170 23.3 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

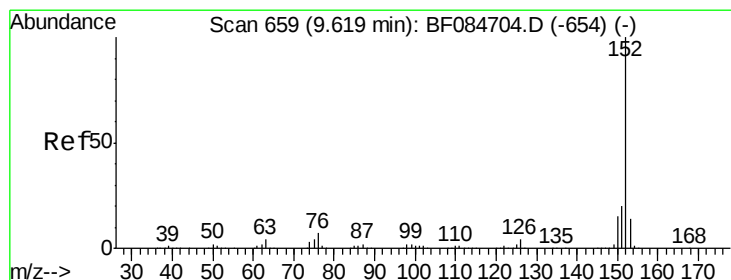
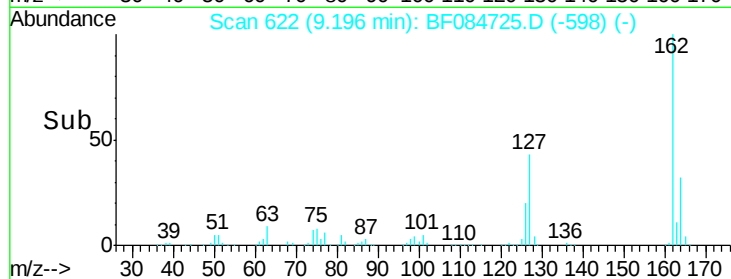
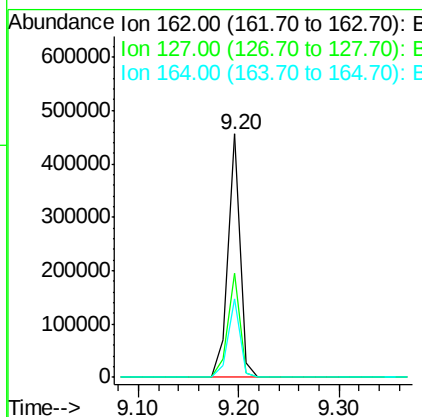
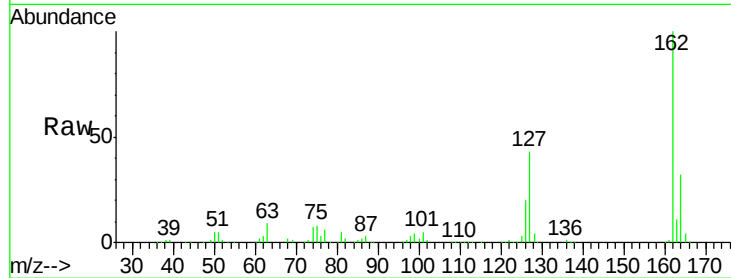




#46
 2-Chloronaphthalene
 Concen: 18.17 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.02 min
 Lab File: BF084725.D
 Acq: 1 Feb 2016 22:41

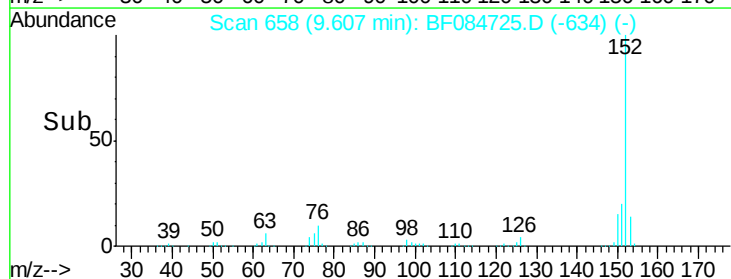
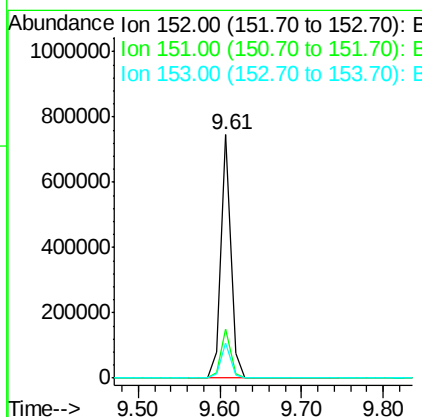
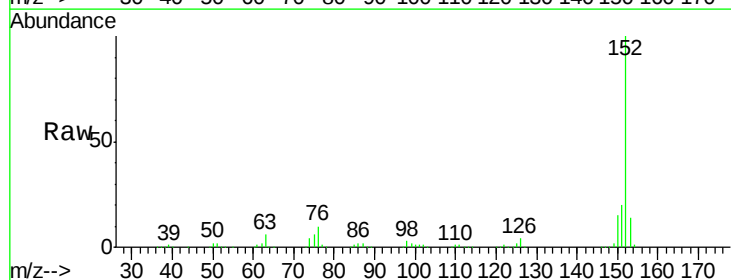
Instrument :
 BNA_F
 ClientSampleId :
 9036DL

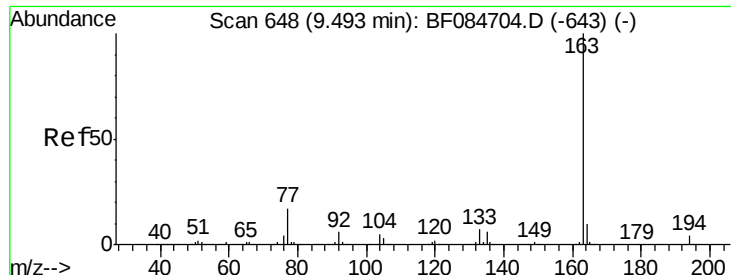
Tgt Ion:162 Resp: 382803
 Ion Ratio Lower Upper
 162 100
 127 42.7 40.2 60.4
 164 32.1 25.7 38.5



#48
 Acenaphthylene
 Concen: 19.55 ng
 RT: 9.61 min Scan# 658
 Delta R.T. -0.02 min
 Lab File: BF084725.D
 Acq: 1 Feb 2016 22:41

Tgt Ion:152 Resp: 625135
 Ion Ratio Lower Upper
 152 100
 151 20.1 16.3 24.5
 153 14.3 10.4 15.6

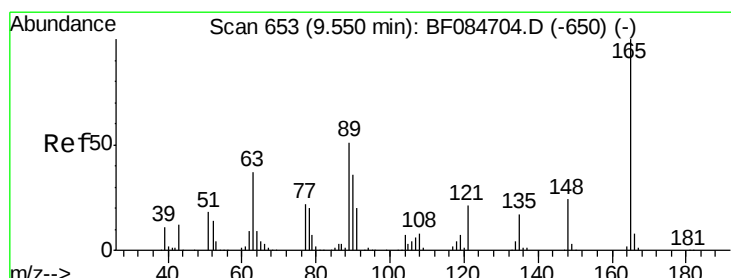
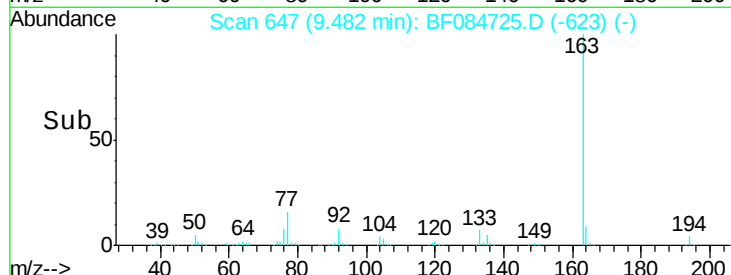
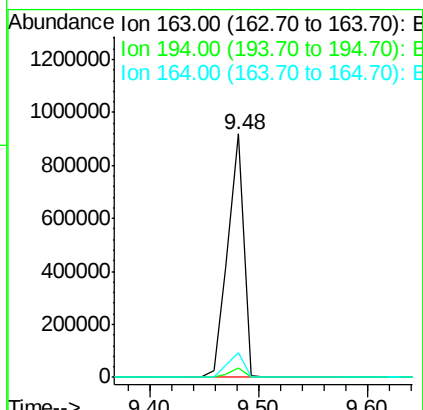
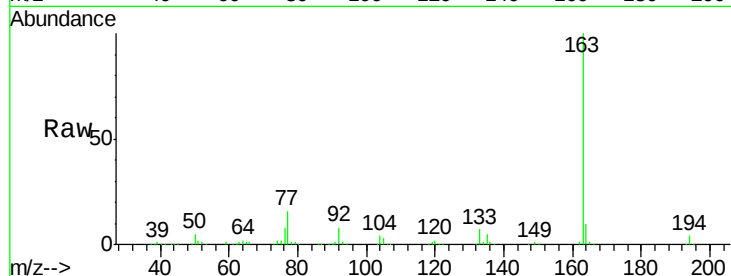




#49
Dimethylphthalate
Concen: 38.51 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF084725.D
Acq: 1 Feb 2016 22:41

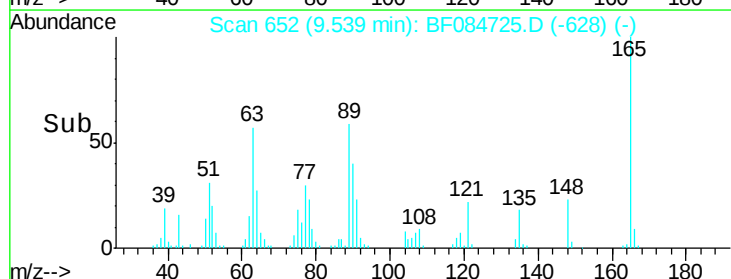
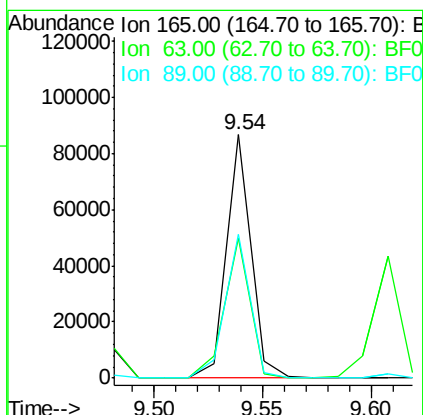
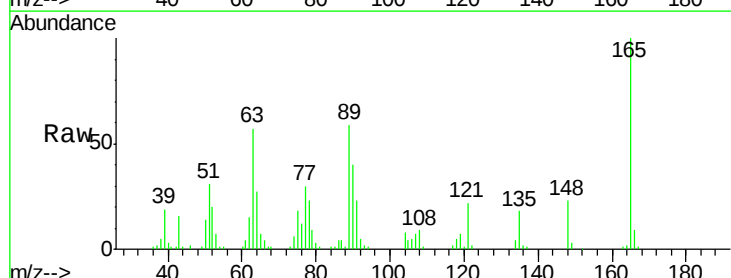
Instrument :
BNA_F
ClientSampleId :
9036DL

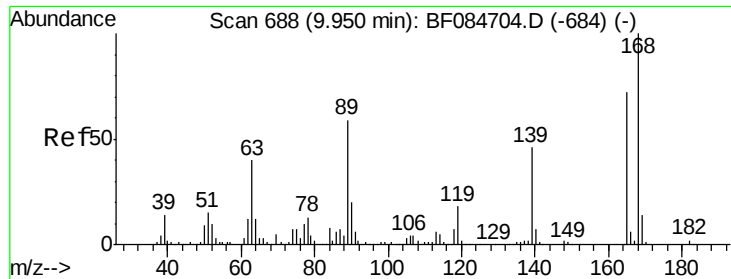
Tgt Ion:163 Resp: 939482
Ion Ratio Lower Upper
163 100
194 3.7 8.0 12.0#
164 10.1 8.0 12.0



#50
2,6-Dinitrotoluene
Concen: 12.71 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF084725.D
Acq: 1 Feb 2016 22:41

Tgt Ion:165 Resp: 67714
Ion Ratio Lower Upper
165 100
63 57.5 28.8 43.2#
89 58.9 35.1 52.7#

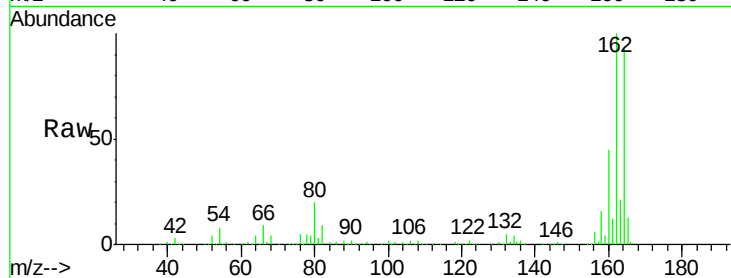




#56
2,4-Dinitrotoluene
Concen: 6.15 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.22 min
Lab File: BF084725.D
Acq: 1 Feb 2016 22:41

Instrument :
BNA_F
ClientSampleId :
9036DL

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	41786		
63	1.6	36.7	55.1#	
89	1.3	61.9	92.9#	
182	0.0	2.0	3.0#	

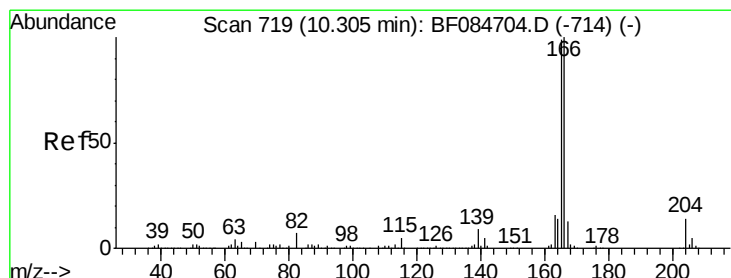
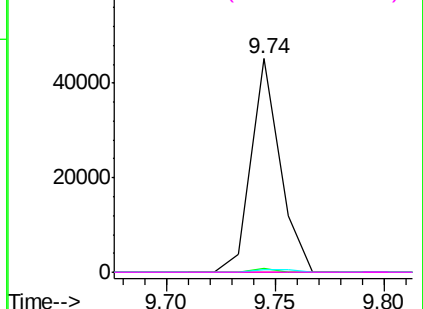
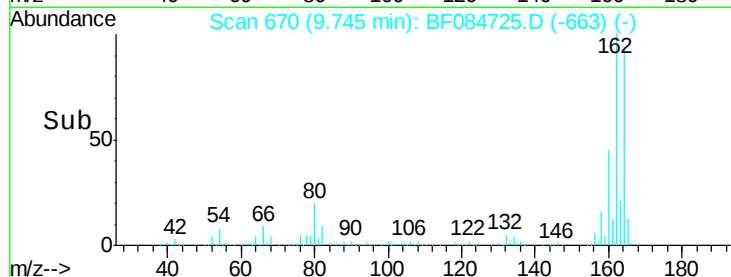


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

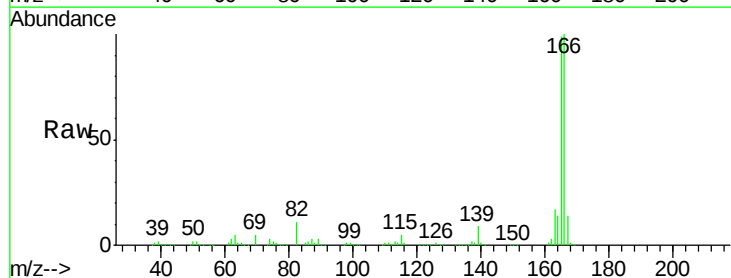
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 36.05 ng
RT: 10.29 min Scan# 718
Delta R.T. -0.01 min
Lab File: BF084725.D
Acq: 1 Feb 2016 22:41

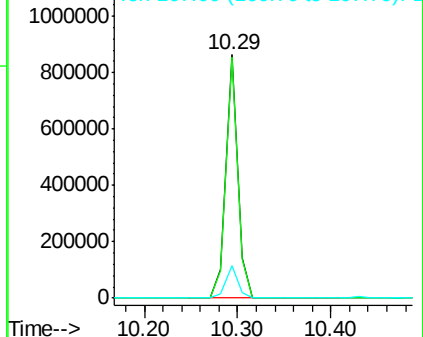
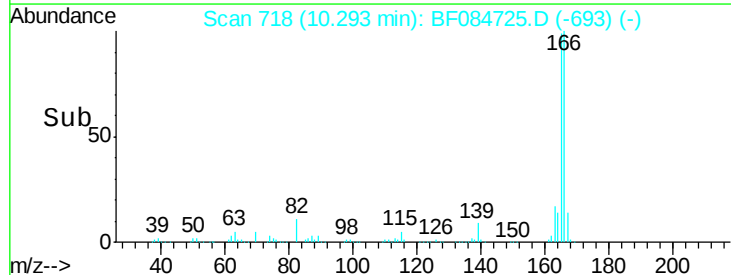
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	765253		
165	98.7	79.1	118.7	
167	13.6	10.4	15.6	

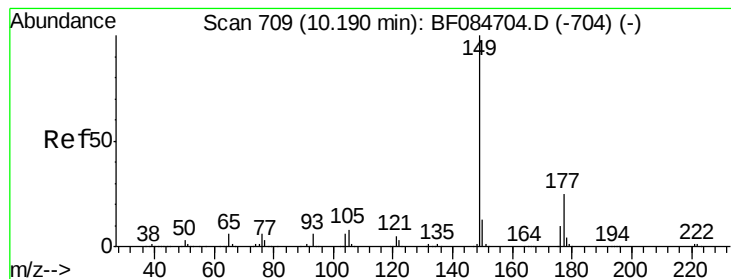


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

Diethylphthalate

Concen: 42.06 ng

RT: 10.18 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

Instrument :

BNA_F

ClientSampleId :

9036DL

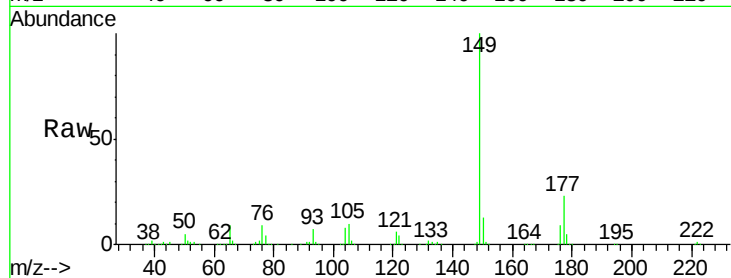
Tgt Ion:149 Resp: 1001904

Ion Ratio Lower Upper

149 100

177 23.1 17.3 25.9

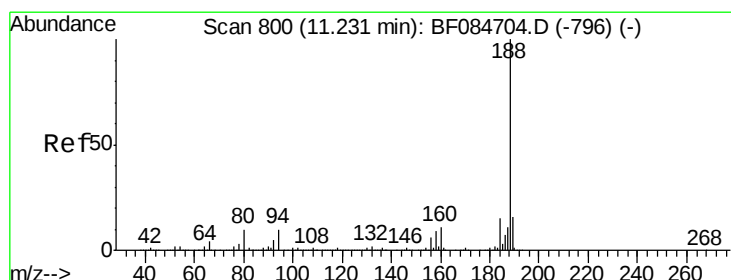
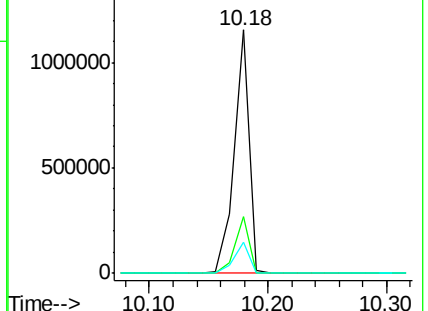
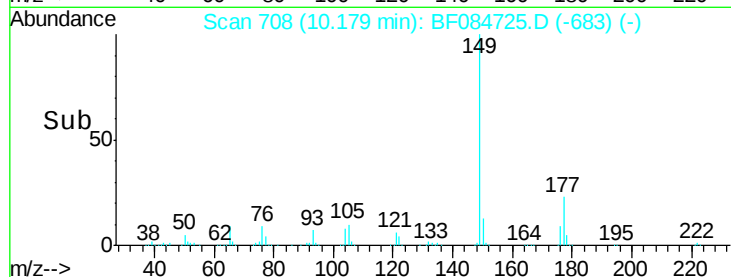
150 12.5 9.8 14.8



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.23 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

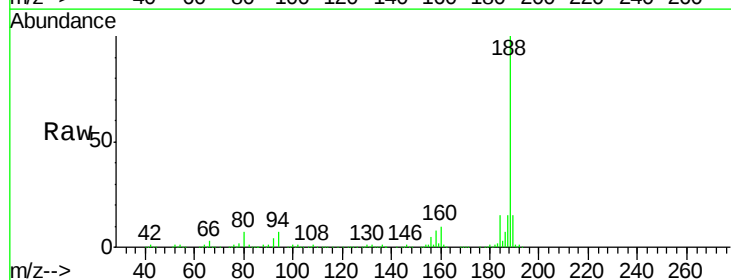
Tgt Ion:188 Resp: 652714

Ion Ratio Lower Upper

188 100

94 7.0 9.0 13.4#

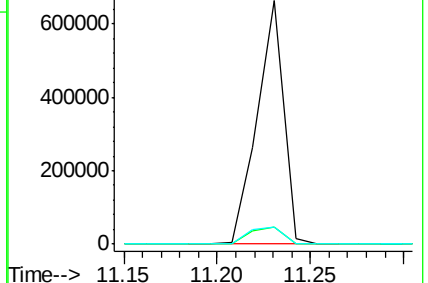
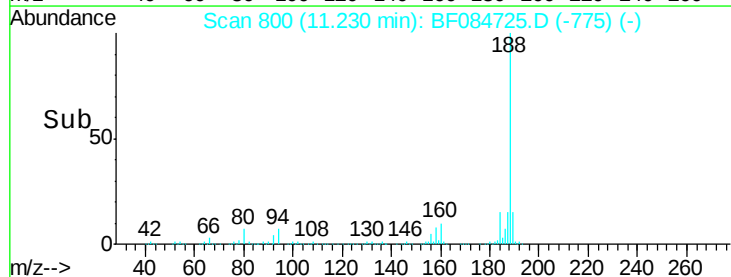
80 6.8 9.6 14.4#

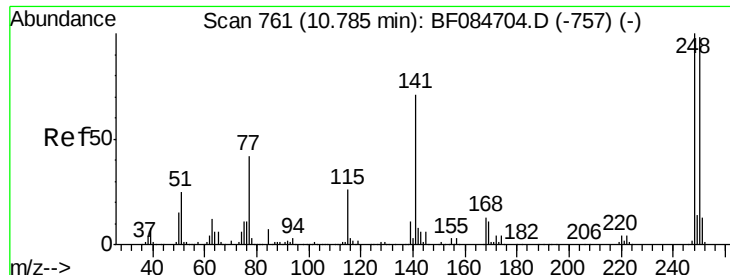


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

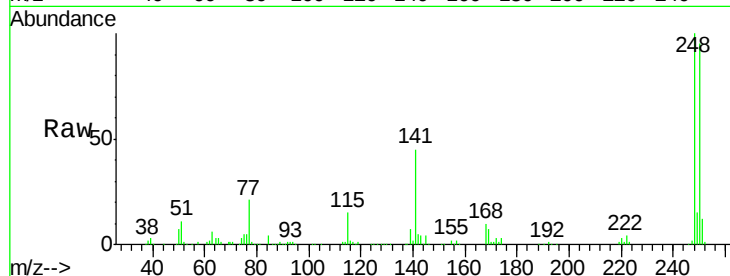




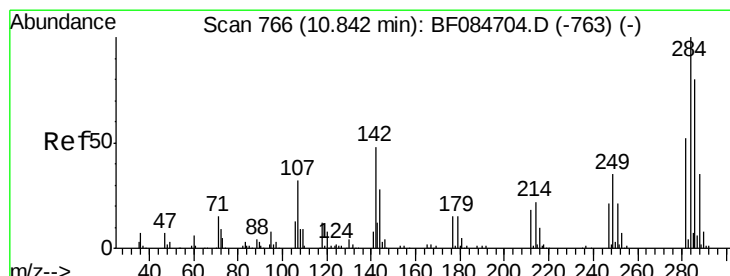
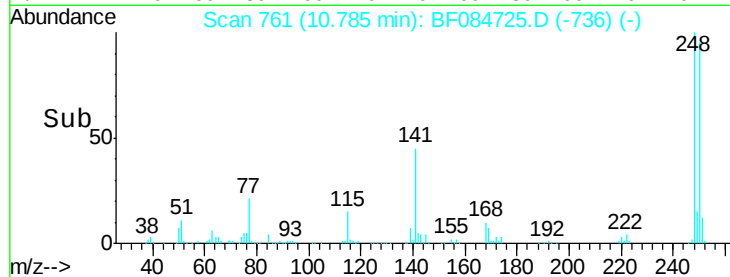
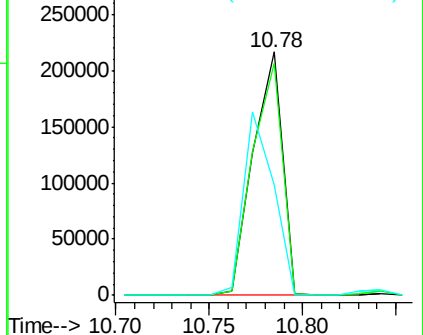
#66
4-Bromophenyl-phenylether
Concen: 33.28 ng
RT: 10.78 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF084725.D
Acq: 1 Feb 2016 22:41

Instrument :
BNA_F
ClientSampleId :
9036DL

Tgt Ion:248 Resp: 239905
Ion Ratio Lower Upper
248 100
250 95.3 78.4 117.6
141 45.4 44.0 66.0

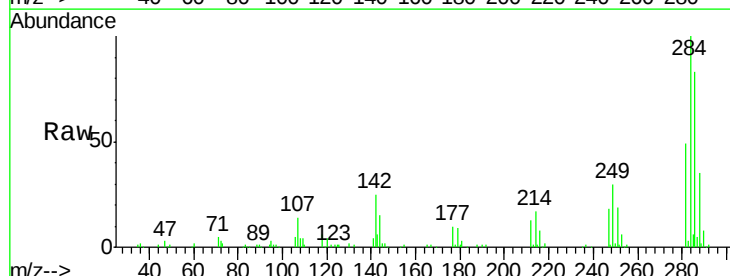


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

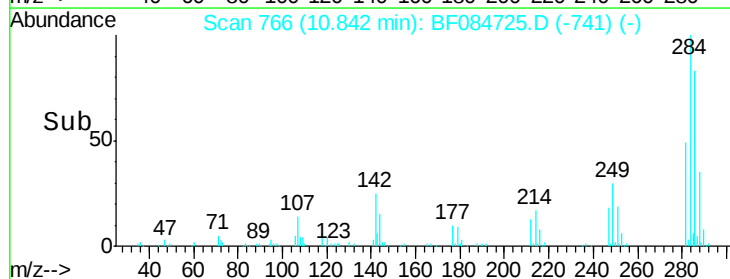
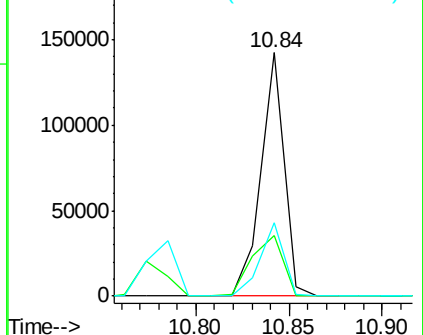


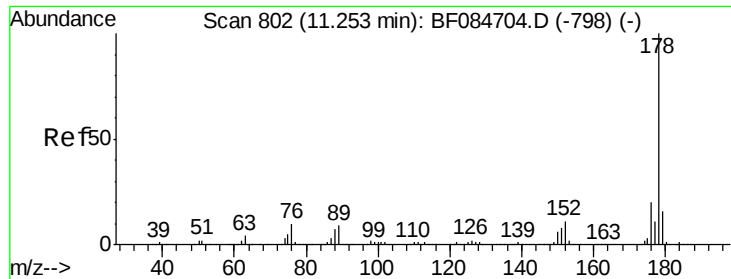
#67
Hexachlorobenzene
Concen: 15.57 ng
RT: 10.84 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF084725.D
Acq: 1 Feb 2016 22:41

Tgt Ion:284 Resp: 122301
Ion Ratio Lower Upper
284 100
142 24.8 22.2 33.4
249 30.0 24.6 37.0



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





#70

Phenanthrene

Concen: 12.43 ng

RT: 11.25 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

Instrument :

BNA_F

ClientSampleId :

9036DL

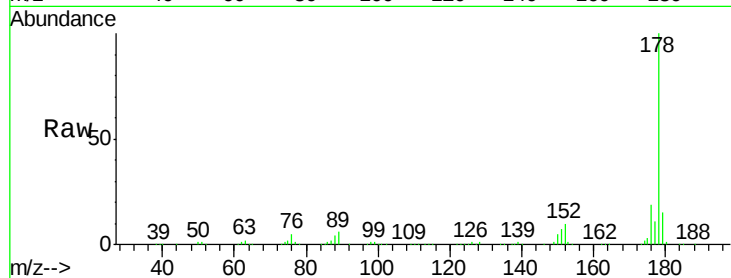
Tgt Ion:178 Resp: 450049

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

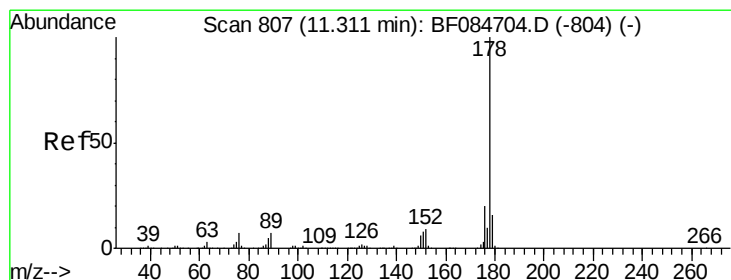
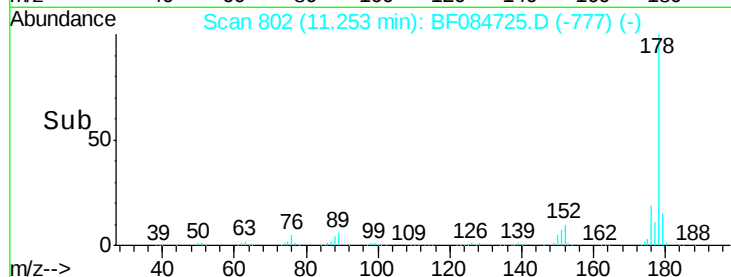
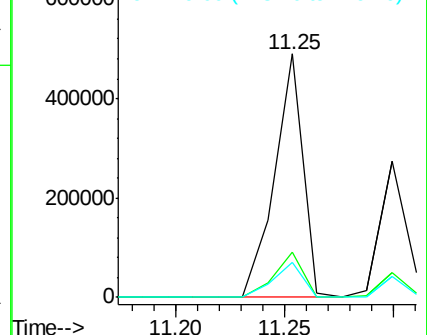
179 14.6 12.0 18.0



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: 6.45 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

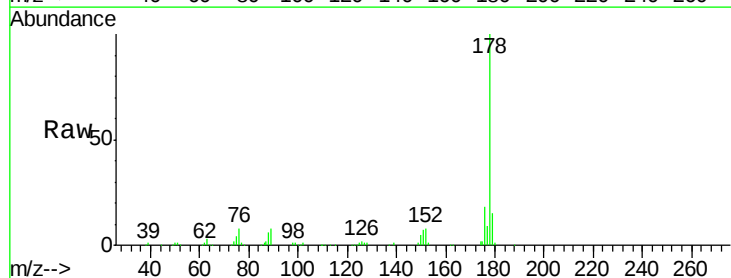
Tgt Ion:178 Resp: 235236

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.0

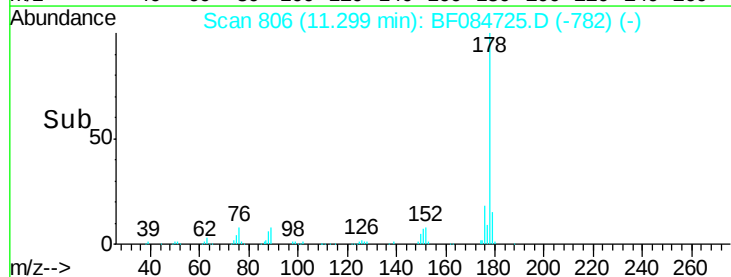
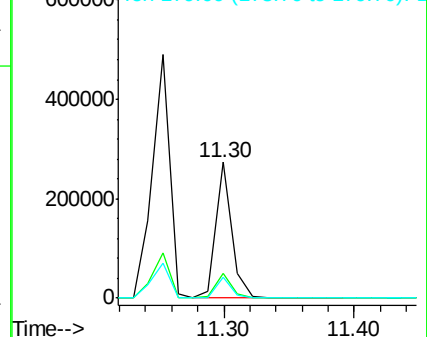
179 15.4 12.5 18.7

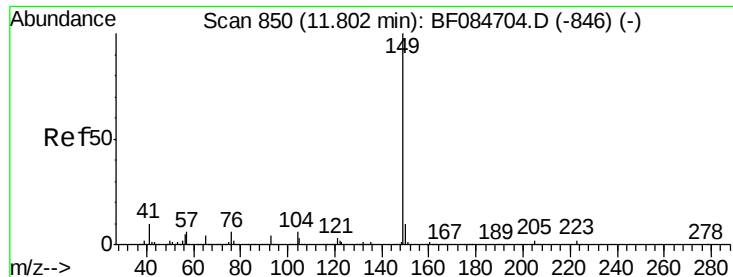


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 9.23 ng

RT: 11.80 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

Instrument :

BNA_F

ClientSampleId :

9036DL

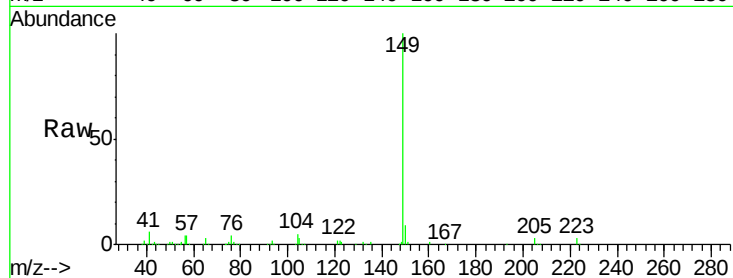
Tgt Ion:149 Resp: 373816

Ion Ratio Lower Upper

149 100

150 8.9 7.1 10.7

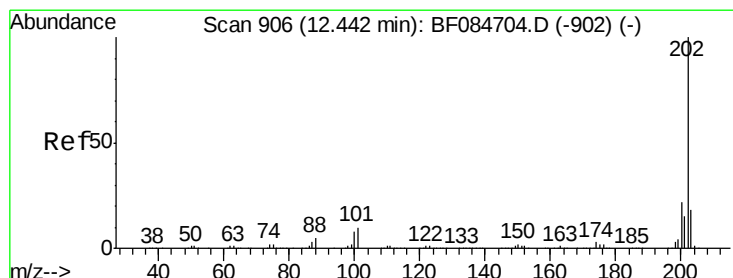
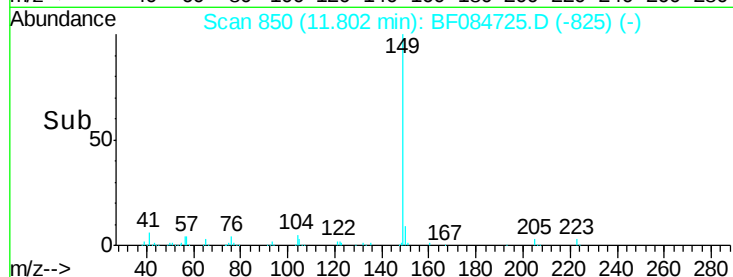
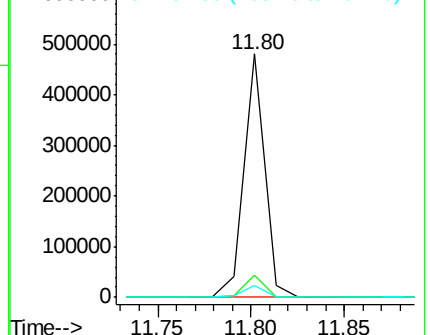
104 4.7 3.2 4.8



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: 15.66 ng

RT: 12.43 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

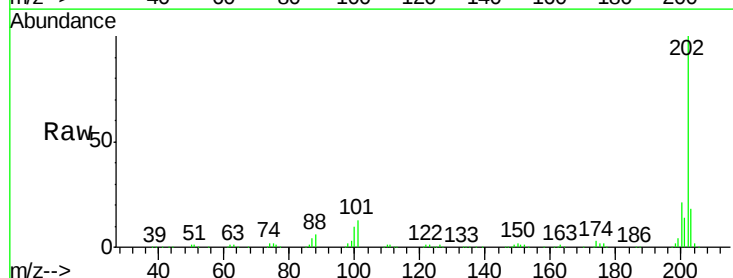
Tgt Ion:202 Resp: 573811

Ion Ratio Lower Upper

202 100

101 13.1 0.0 32.8

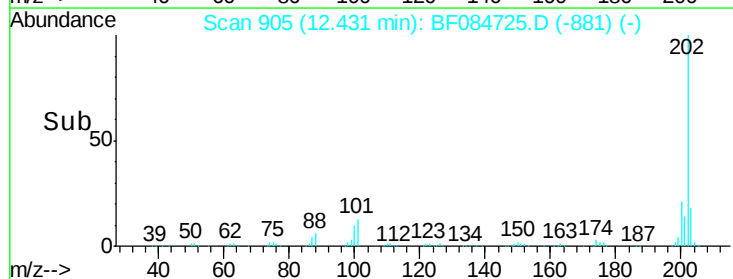
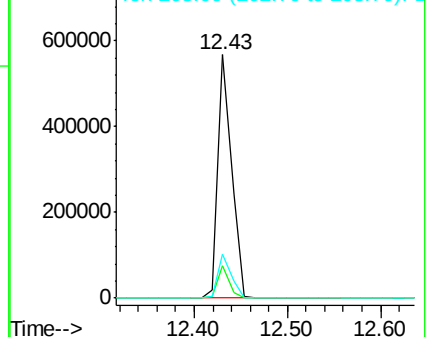
203 18.1 0.0 37.9

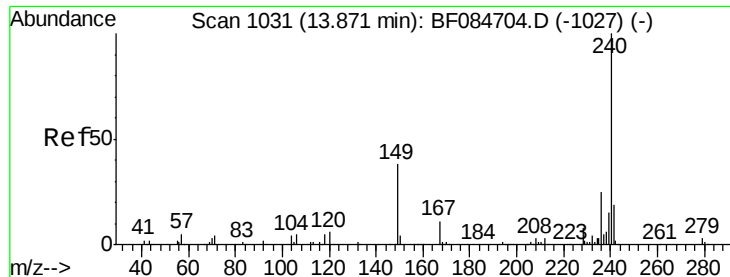


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF084725.D

Acq: 1 Feb 2016 22:41

Instrument :

BNA_F

ClientSampleId :

9036DL

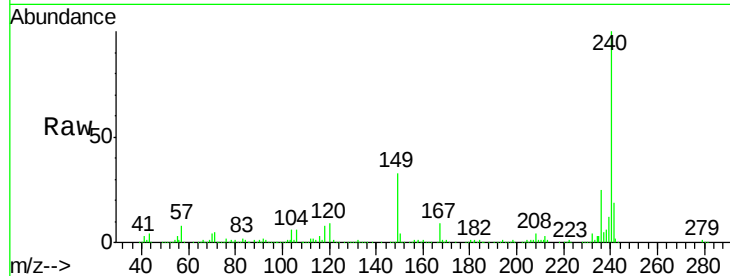
Tgt Ion:240 Resp: 545134

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

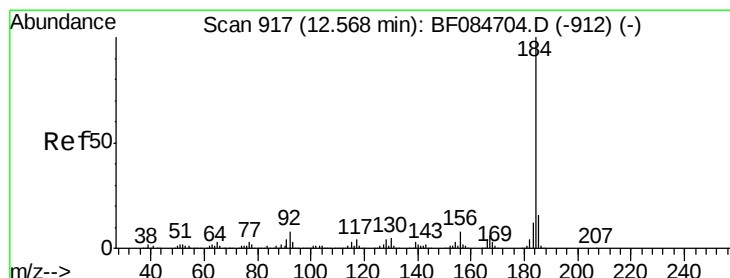
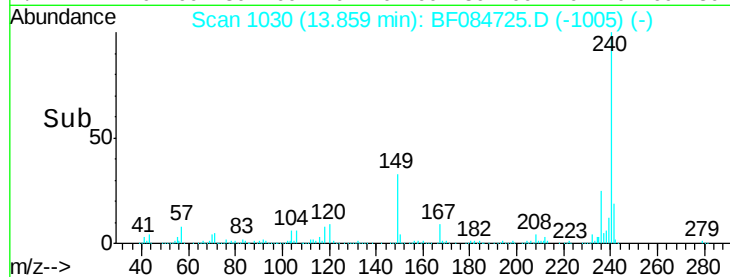
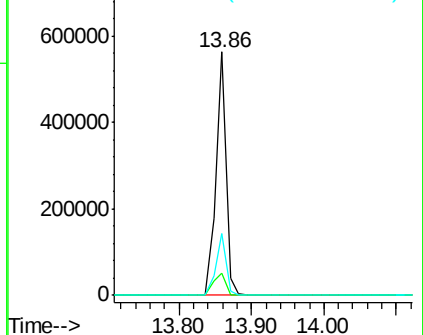
236 25.4 20.6 31.0



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



#76

Benzidine

Concen: 7.13 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.23 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

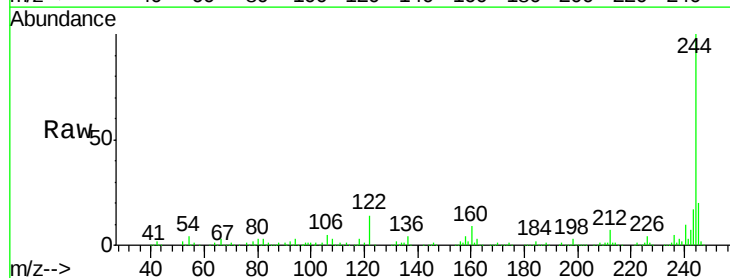
Tgt Ion:184 Resp: 6936

Ion Ratio Lower Upper

184 100

185 18.0 12.2 18.2

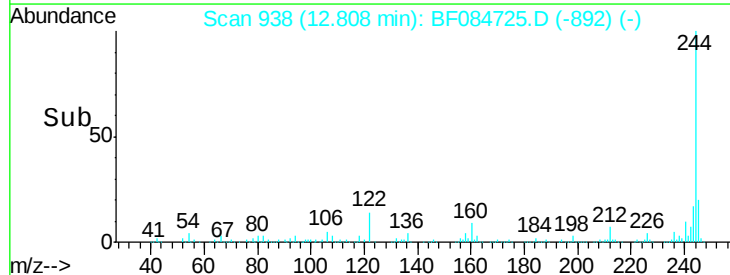
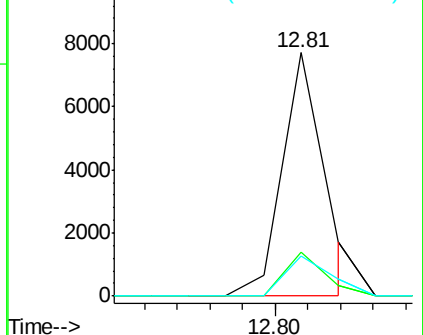
183 16.3 9.8 14.8#

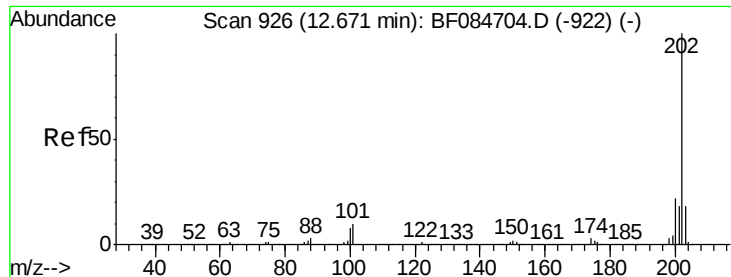


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

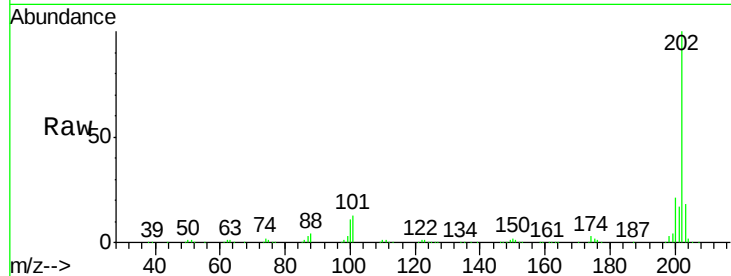




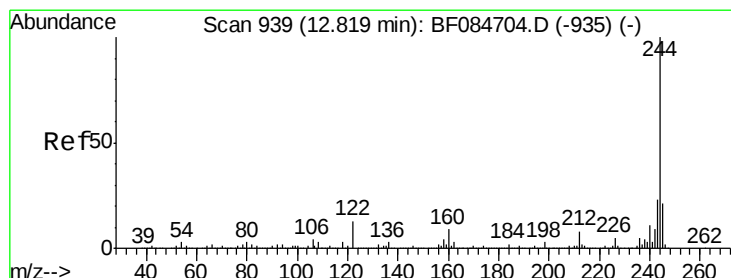
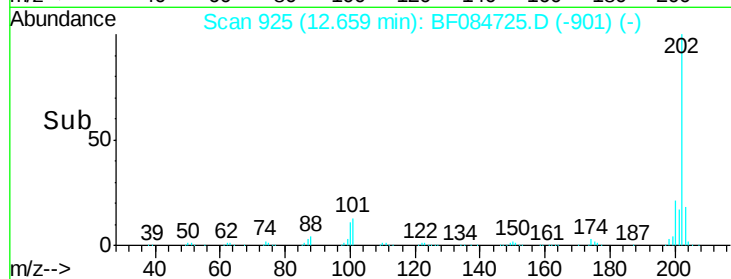
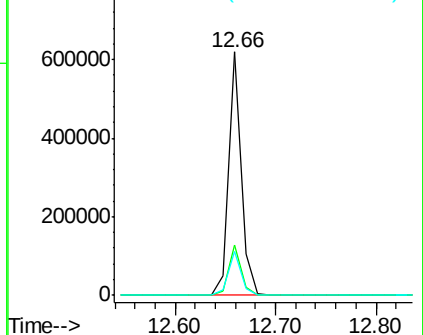
#77
 Pyrene
 Concen: 12.88 ng
 RT: 12.66 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BF084725.D
 Acq: 1 Feb 2016 22:41

Instrument :
 BNA_F
 ClientSampleId :
 9036DL

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.2	25.8
203	17.8	14.3	21.5

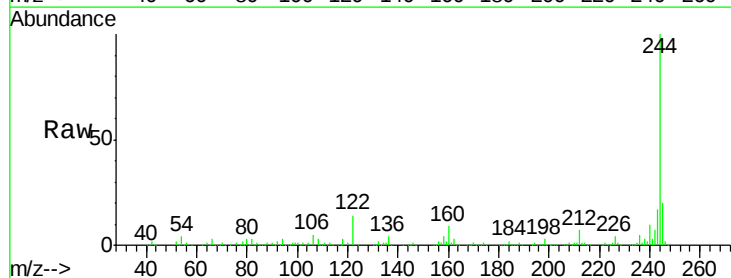


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

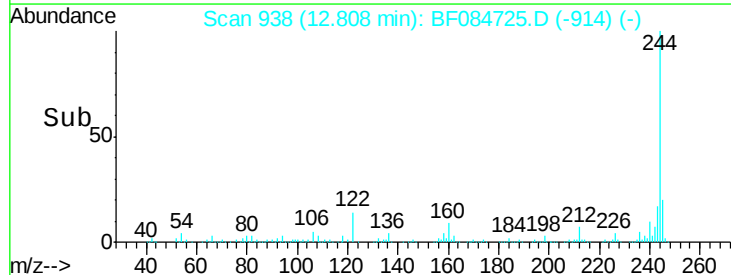
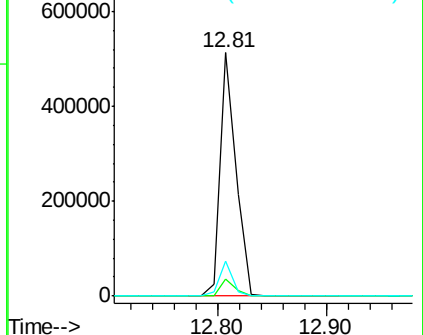


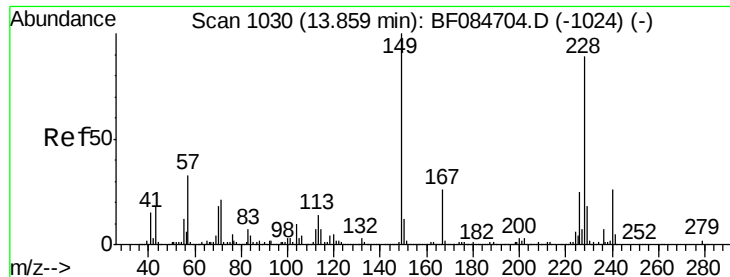
#78
 Terphenyl-d14
 Concen: 21.62 ng
 RT: 12.81 min Scan# 938
 Delta R.T. -0.02 min
 Lab File: BF084725.D
 Acq: 1 Feb 2016 22:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	14.2	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





#80

Benzo(a)anthracene

Concen: 15.52 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.02 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

Instrument :

BNA_F

ClientSampleId :

9036DL

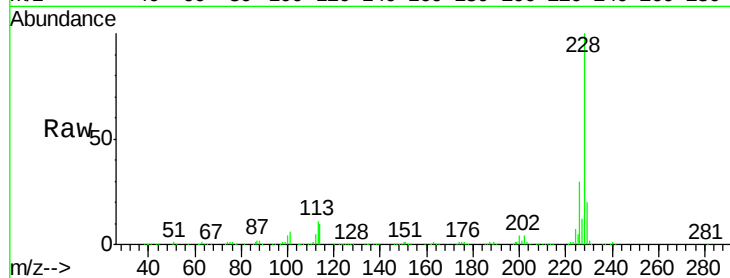
Tgt Ion:228 Resp: 524970

Ion Ratio Lower Upper

228 100

226 29.9 21.8 32.6

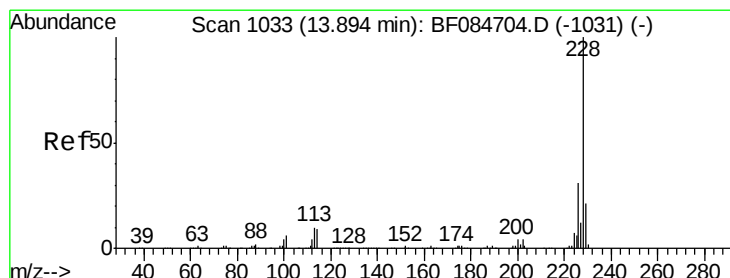
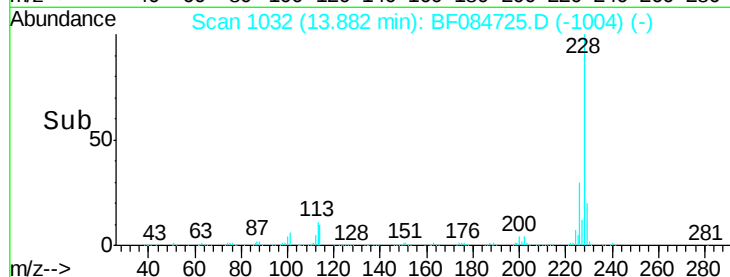
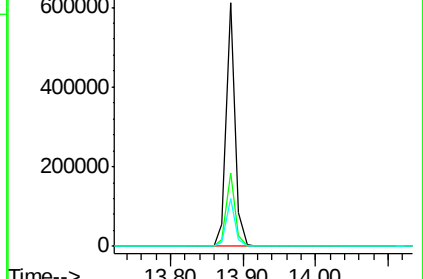
229 19.8 15.8 23.8



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



#82

Chrysene

Concen: 16.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

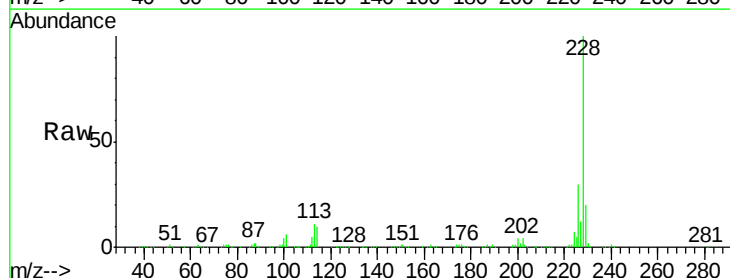
Tgt Ion:228 Resp: 524970

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

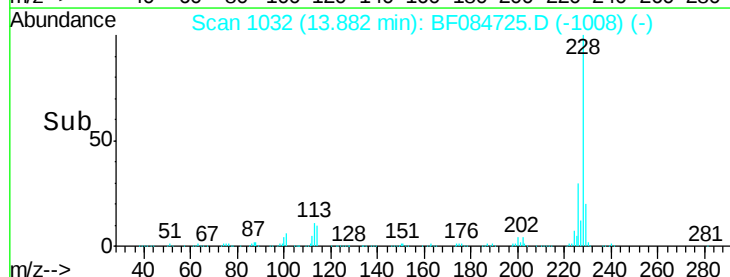
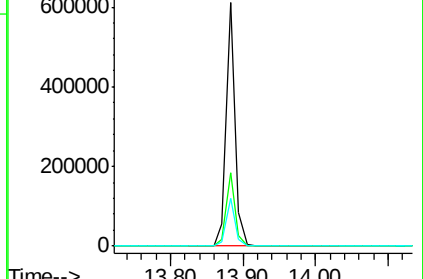
229 19.8 16.1 24.1

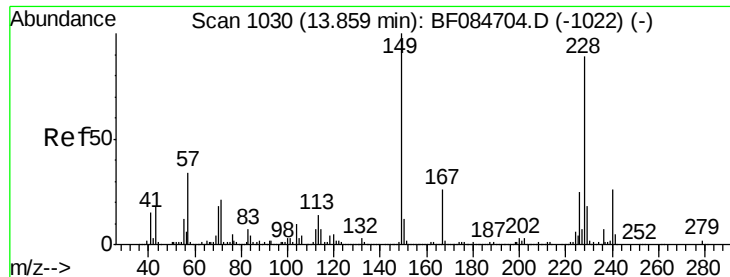


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

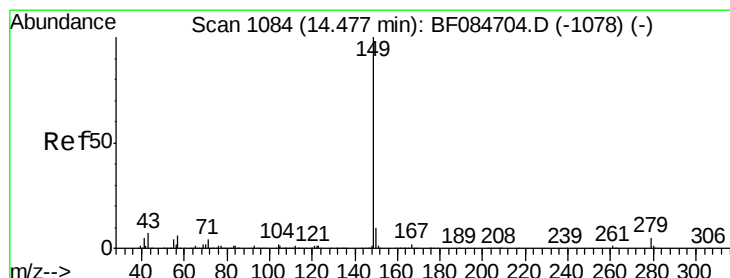
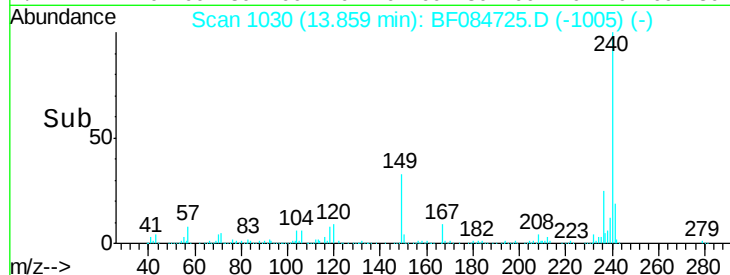
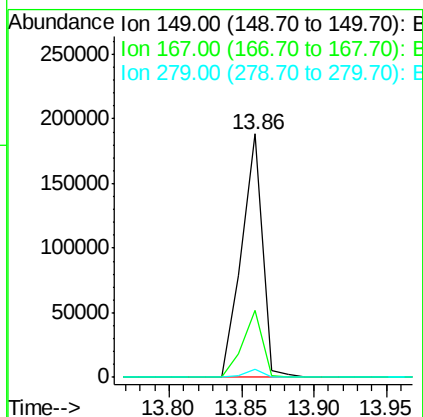
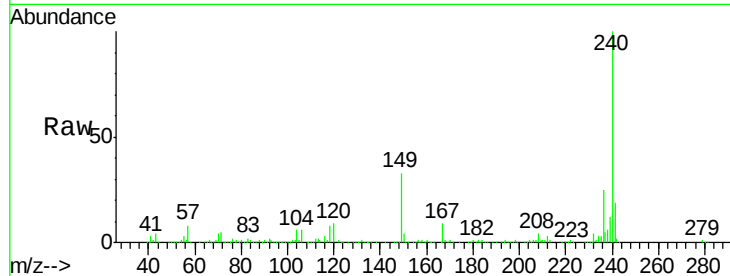




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.03 ng
 RT: 13.86 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: BF084725.D
 Acq: 1 Feb 2016 22:41

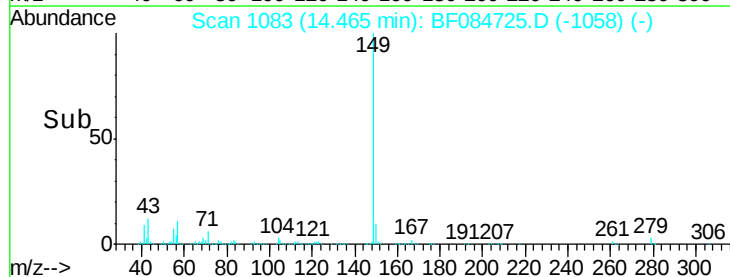
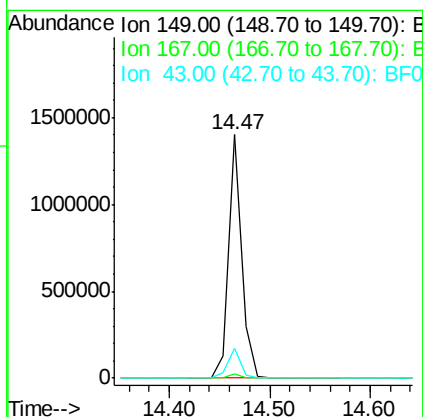
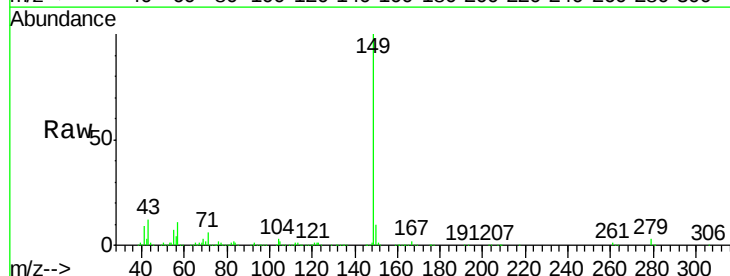
Instrument :
 BNA_F
 ClientSampleId :
 9036DL

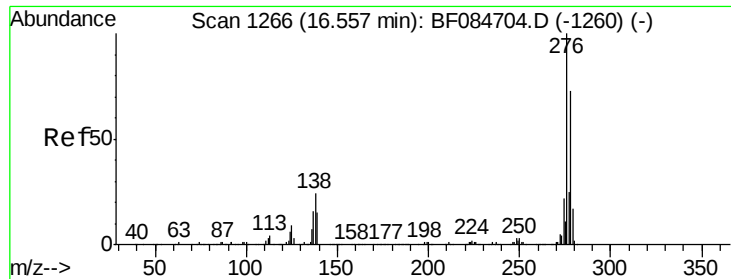
Tgt Ion:149 Resp: 189142
 Ion Ratio Lower Upper
 149 100
 167 27.6 19.7 29.5
 279 3.5 1.8 2.6#



#84
 Di-n-octyl phthalate
 Concen: 32.48 ng
 RT: 14.47 min Scan# 1083
 Delta R.T. -0.01 min
 Lab File: BF084725.D
 Acq: 1 Feb 2016 22:41

Tgt Ion:149 Resp: 1262634
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 12.2 5.6 8.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 13.18 ng

RT: 16.53 min Scan# 1264

Delta R.T. -0.03 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

Instrument :

BNA_F

ClientSampleId :

9036DL

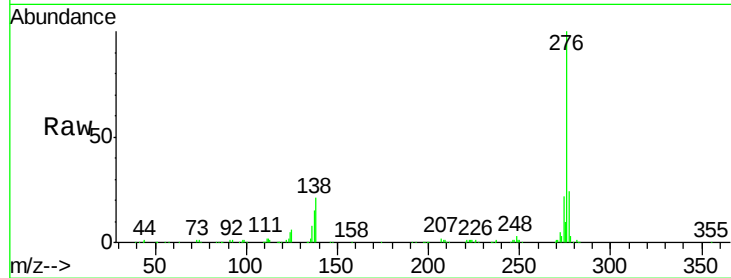
Tgt Ion:276 Resp: 340352

Ion Ratio Lower Upper

276 100

138 19.5 20.6 30.8#

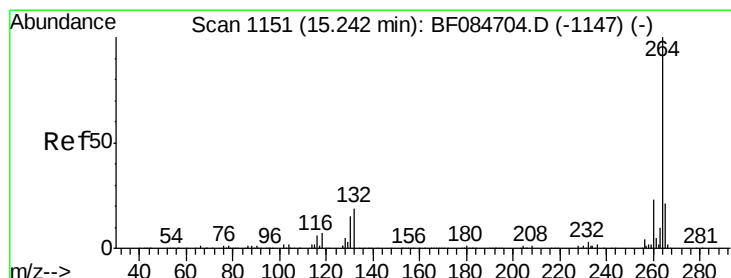
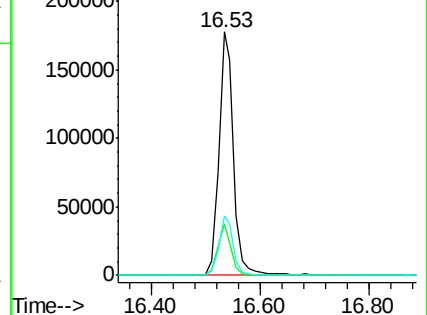
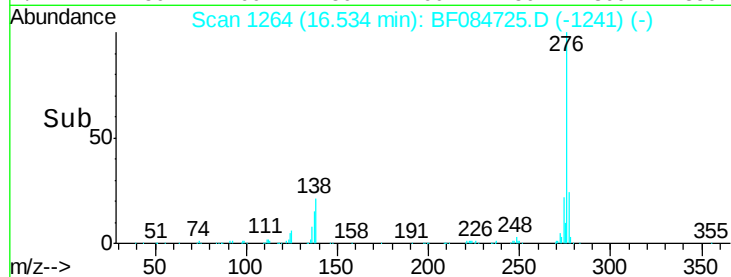
277 23.8 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.24 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

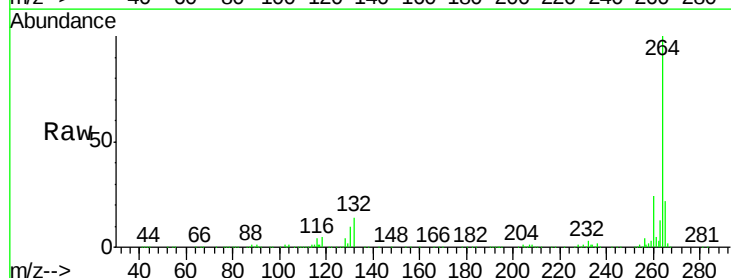
Tgt Ion:264 Resp: 396540

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

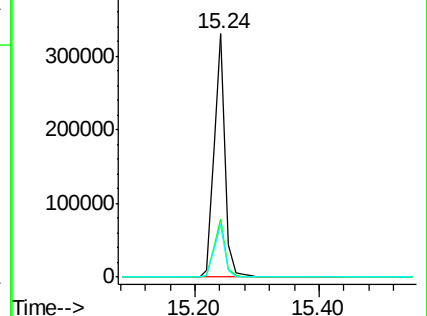
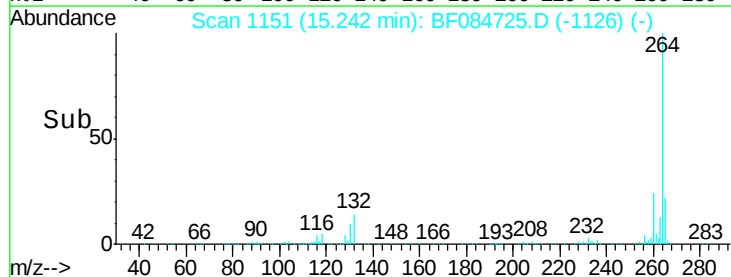
265 21.6 17.8 26.6

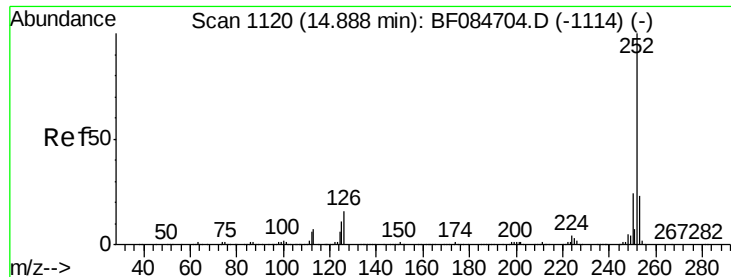


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 24.86 ng

RT: 14.85 min Scan# 1117

Delta R.T. -0.02 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

Instrument :

BNA_F

ClientSampleId :

9036DL

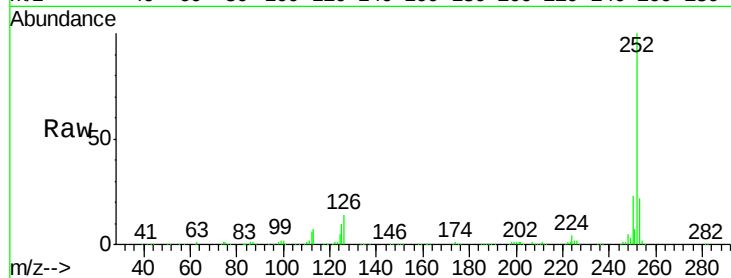
Tgt Ion:252 Resp: 662439

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

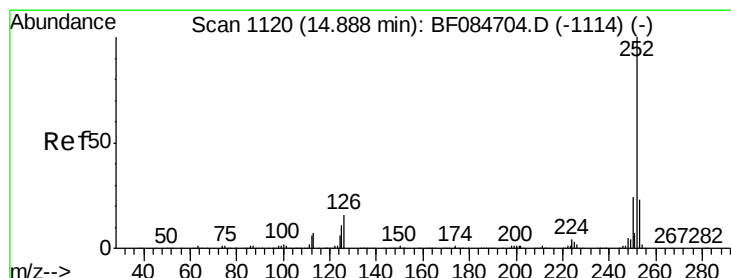
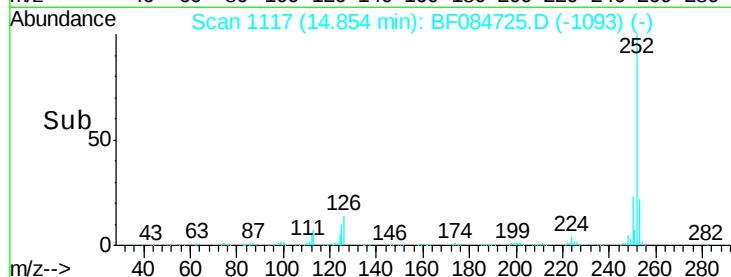
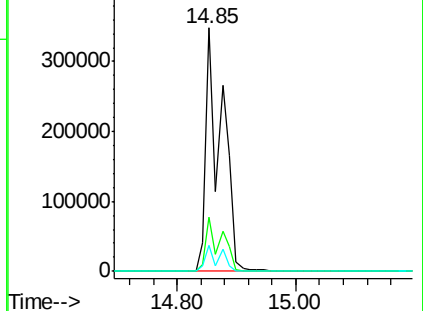
125 10.4 6.5 9.7#



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



#88

Benzo(k)fluoranthene

Concen: 30.07 ng

RT: 14.85 min Scan# 1117

Delta R.T. -0.05 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

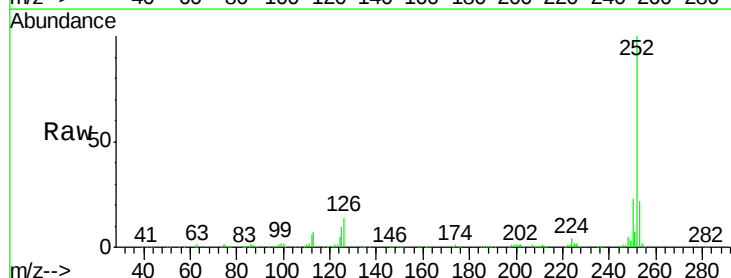
Tgt Ion:252 Resp: 662439

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

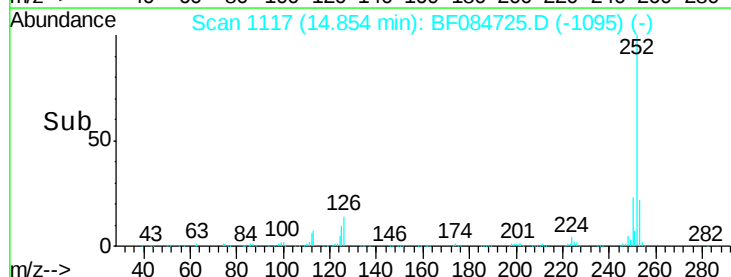
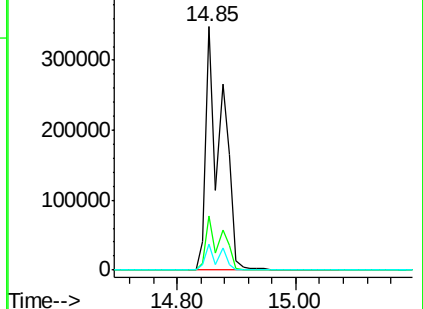
125 10.4 9.0 13.6

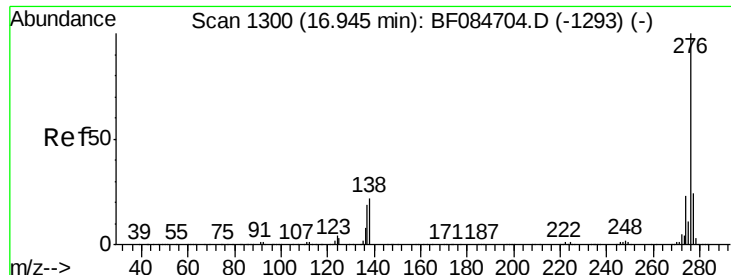


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 35.66 ng

RT: 16.93 min Scan# 1299

Delta R.T. -0.02 min

Lab File: BF084725.D

Acq: 1 Feb 2016 22:41

Instrument :

BNA_F

ClientSampleId :

9036DL

Tgt Ion: 276 Resp: 686384

Ion Ratio Lower Upper

276 100

277 23.8 18.8 28.2

138 22.8 17.8 26.6

