

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
 Data File : BF084935.D
 Acq On : 8 Feb 2016 18:19
 Operator : SJ/IZ
 Sample : H1311-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B018(15-17)

Quant Time: Feb 09 02:36:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	158981	20.00	ng	-0.03
21) Naphthalene-d8	7.94	136	679251	20.00	ng	-0.03
38) Acenaphthene-d10	9.69	164	306534	20.00	ng	-0.05
63) Phenanthrene-d10	11.16	188	538473	20.00	ng	-0.05
75) Chrysene-d12	13.79	240	363920	20.00	ng	-0.05
86) Perylene-d12	15.15	264	300860	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	1161101	113.76	ng	-0.03
7) Phenol-d6	6.30	99	1444890	114.19	ng	-0.03
23) Nitrobenzene-d5	7.22	82	894100	74.15	ng	-0.05
41) 2,4,6-Tribromophenol	10.48	330	374948	117.27	ng	-0.05
44) 2-Fluorobiphenyl	9.01	172	1431701	75.87	ng	-0.05
78) Terphenyl-d14	12.75	244	1137254	70.81	ng	-0.05

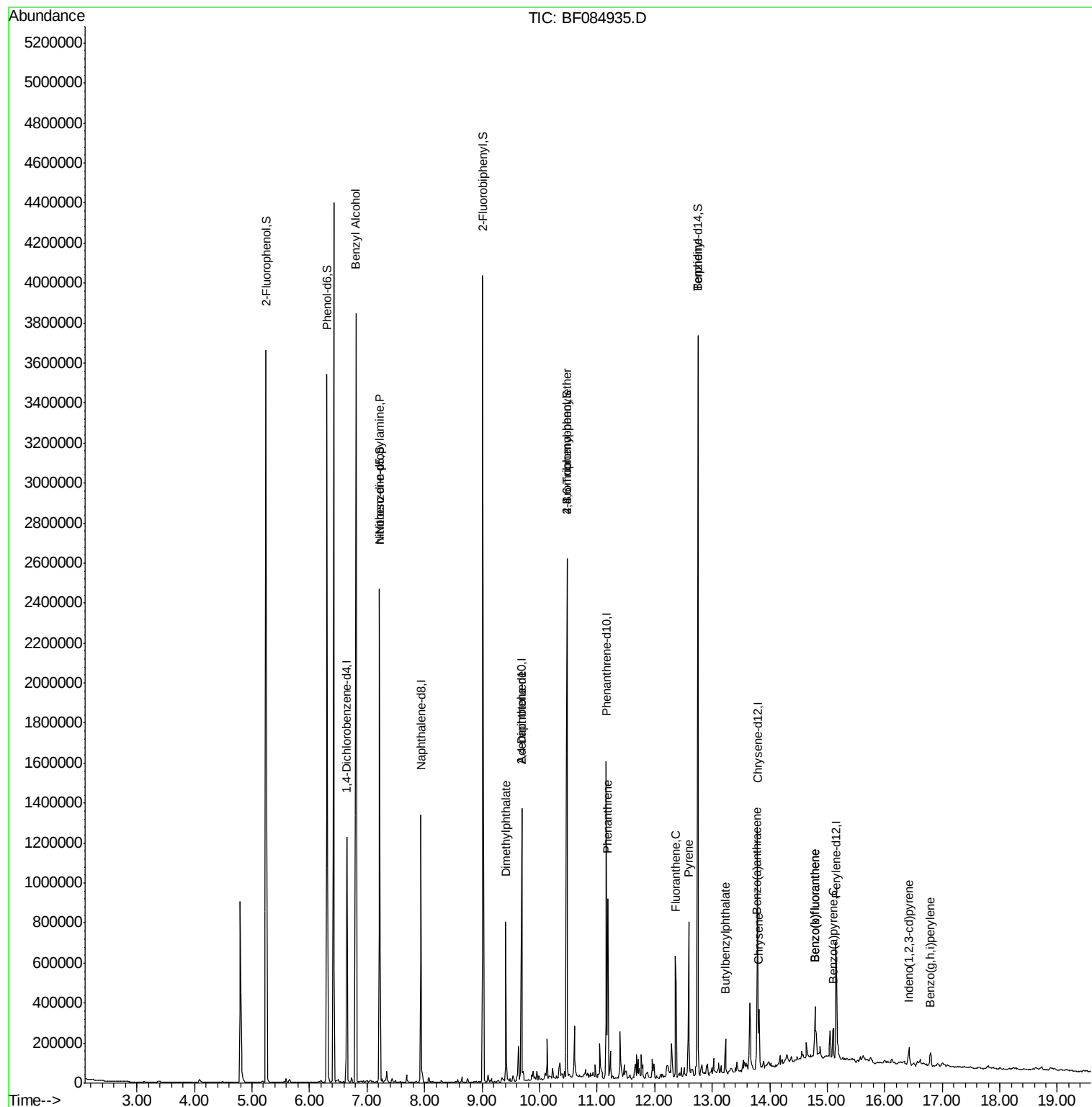
Target Compounds						Qvalue
15) Benzyl Alcohol	6.81	79	18581	2.13	ng	# 50
19) n-Nitroso-di-n-propylamine	7.22	70	121728	15.35	ng	# 70
49) Dimethylphthalate	9.41	163	283949	12.16	ng	# 90
56) 2,4-Dinitrotoluene	9.69	165	38846	5.97	ng	# 22
66) 4-Bromophenyl-phenylether	10.48	248	25178	4.23	ng	# 1
70) Phenanthrene	11.18	178	315106	10.55	ng	99
74) Fluoranthene	12.36	202	335628	11.10	ng	99
76) Benzidine	12.75	184	17363	7.79	ng	# 88
77) Pyrene	12.59	202	304824	10.94	ng	99
79) Butylbenzylphthalate	13.23	149	44345	3.51	ng	89
80) Benzo(a)anthracene	13.78	228	136442	6.04	ng	98
82) Chrysene	13.81	228	92239	4.21	ng	97
85) Indeno(1,2,3-cd)pyrene	16.42	276	56458	3.27	ng	96
87) Benzo(b)fluoranthene	14.79	252	160363	7.93	ng	# 98
88) Benzo(k)fluoranthene	14.79	252	160363	9.59	ng	98
89) Benzo(a)pyrene	15.11	252	84069	4.88	ng	97
91) Benzo(g,h,i)perylene	16.80	276	50399	3.45	ng	98

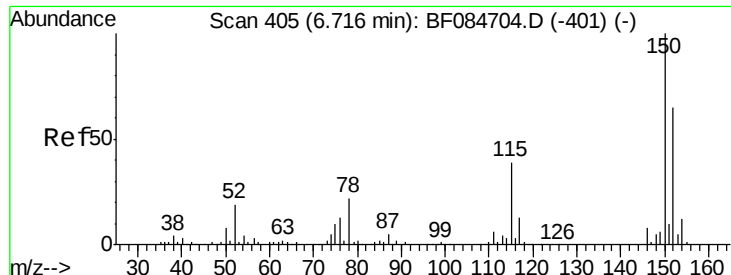
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 399

Delta R.T. -0.03 min

Lab File: BF084935.D

Acq: 8 Feb 2016 18:19

Instrument :

BNA_F

ClientSampleId :

SUP-B018(15-17)

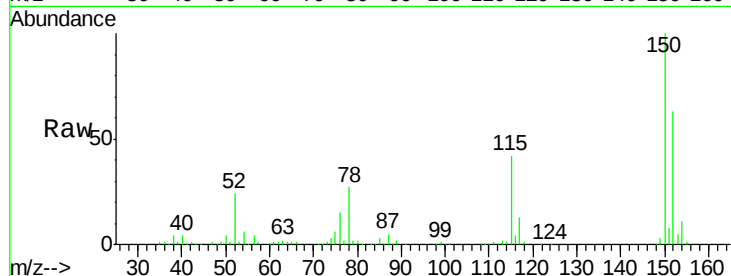
Tgt Ion:152 Resp: 158981

Ion Ratio Lower Upper

152 100

150 159.6 123.0 184.4

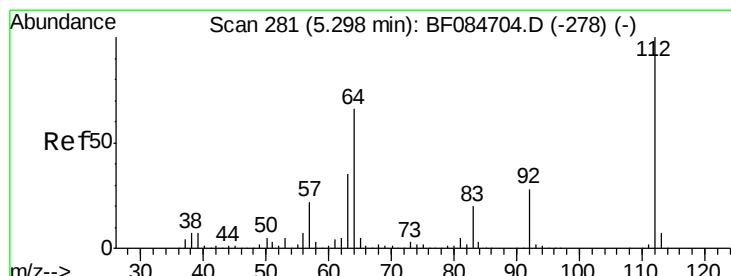
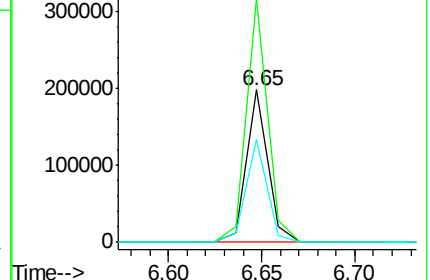
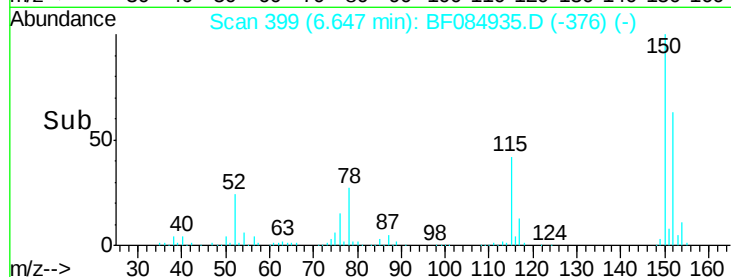
115 67.6 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 113.76 ng

RT: 5.24 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF084935.D

Acq: 8 Feb 2016 18:19

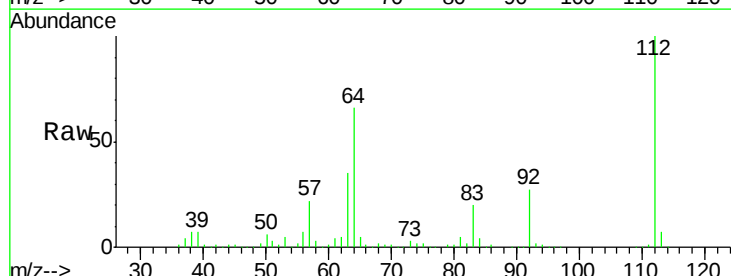
Tgt Ion:112 Resp: 1161101

Ion Ratio Lower Upper

112 100

64 66.0 36.6 55.0#

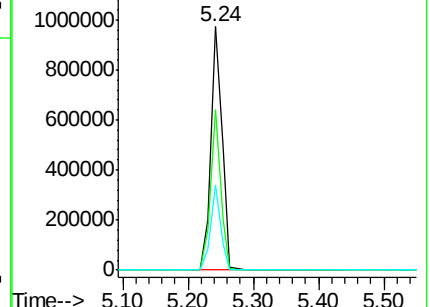
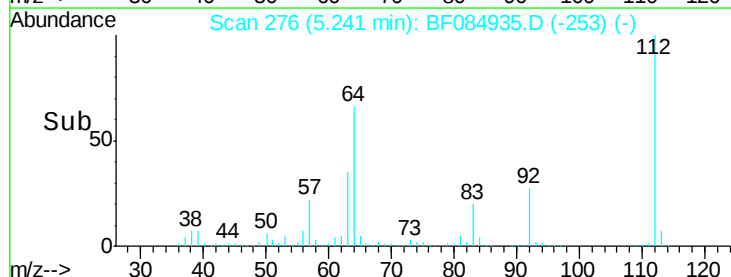
63 34.9 19.4 29.0#

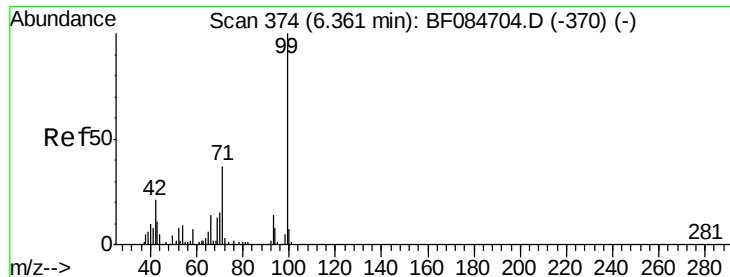


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.19 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084935.D

Acq: 8 Feb 2016 18:19

Instrument :

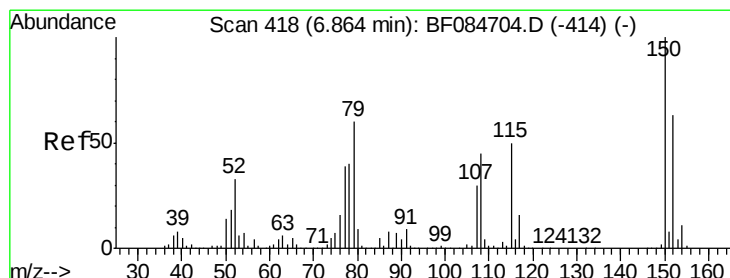
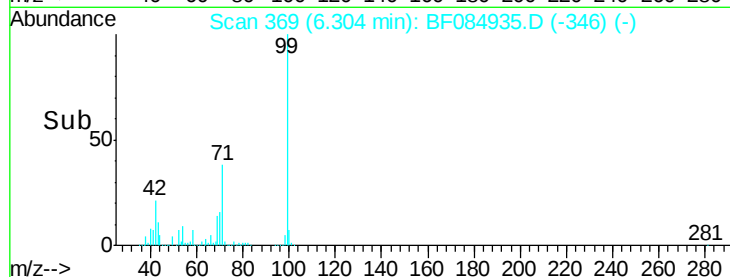
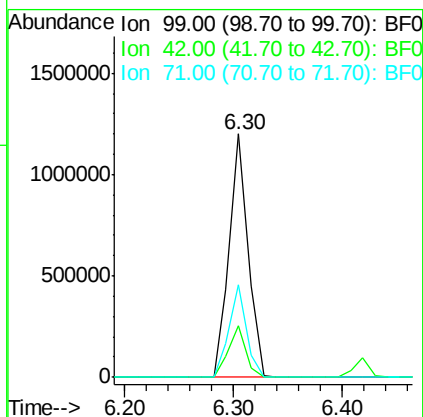
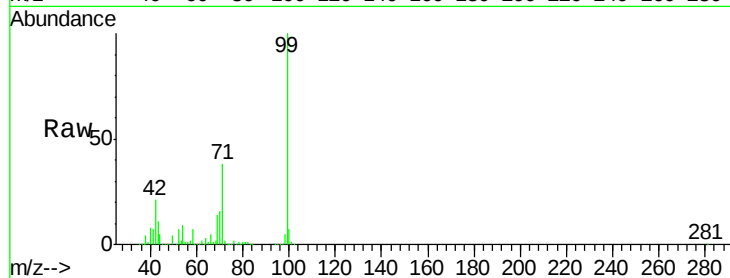
BNA_F

ClientSampleId :

SUP-B018(15-17)

Tgt Ion: 99 Resp: 1444890

Ion	Ratio	Lower	Upper
99	100		
42	21.1	12.8	19.2#
71	38.1	30.9	46.3



#15

Benzyl Alcohol

Concen: 2.13 ng

RT: 6.81 min Scan# 413

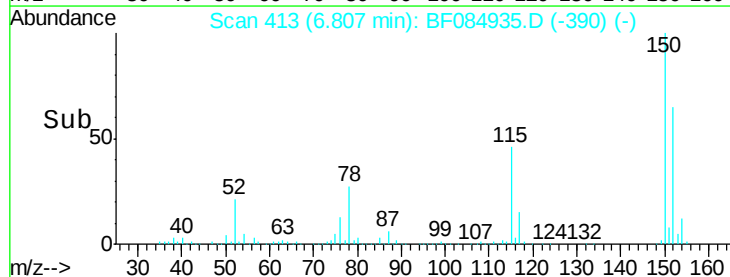
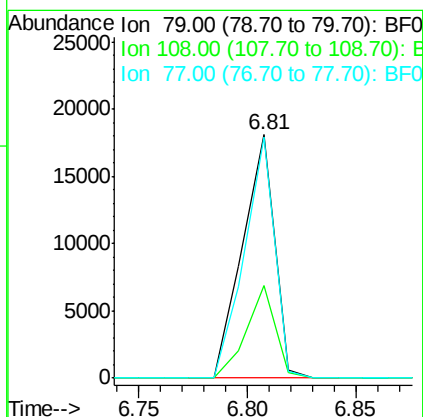
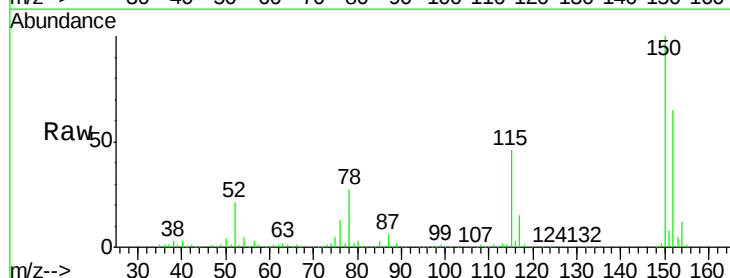
Delta R.T. -0.03 min

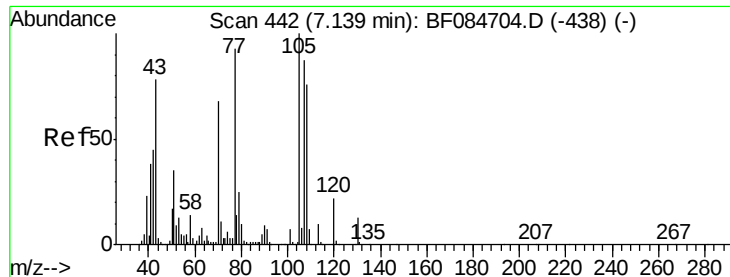
Lab File: BF084935.D

Acq: 8 Feb 2016 18:19

Tgt Ion: 79 Resp: 18581

Ion	Ratio	Lower	Upper
79	100		
108	37.9	69.0	103.4#
77	99.2	50.0	75.0#

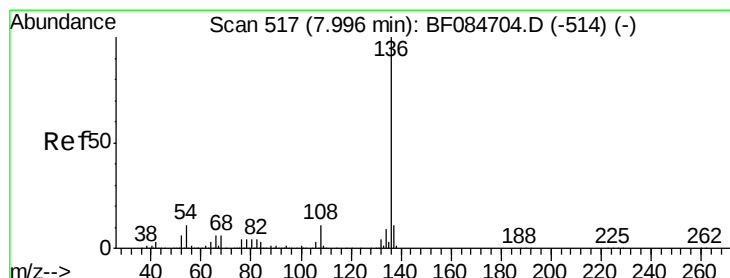
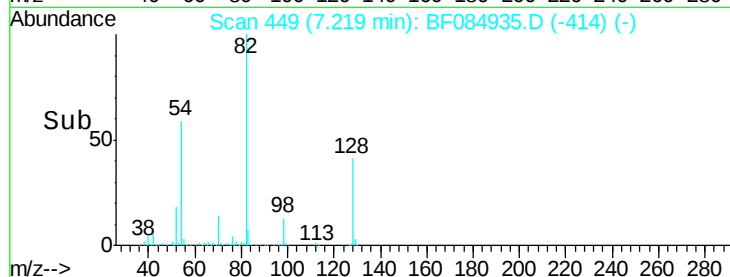
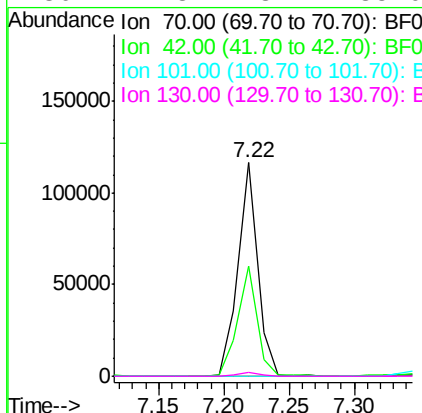
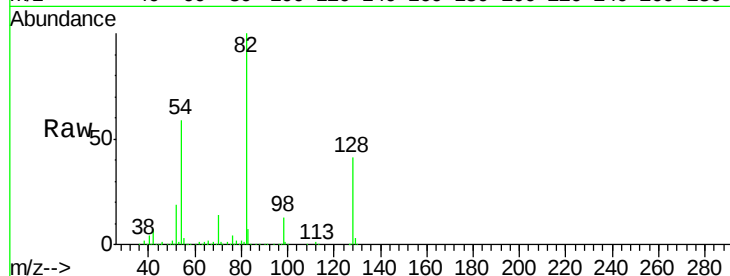




#19
n-Nitroso-di-n-propylamine
Concen: 15.35 ng
RT: 7.22 min Scan# 449
Delta R.T. 0.10 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

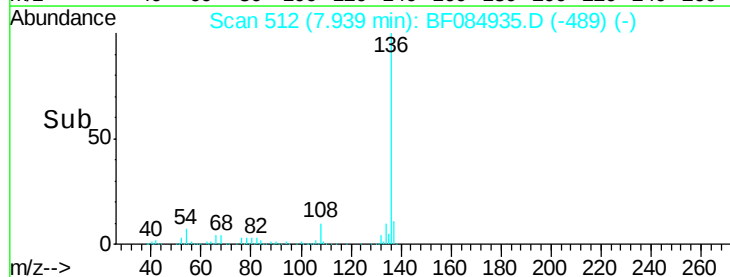
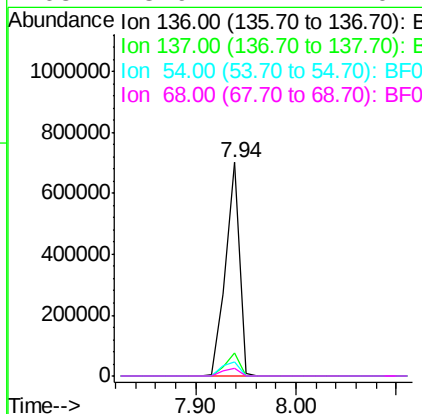
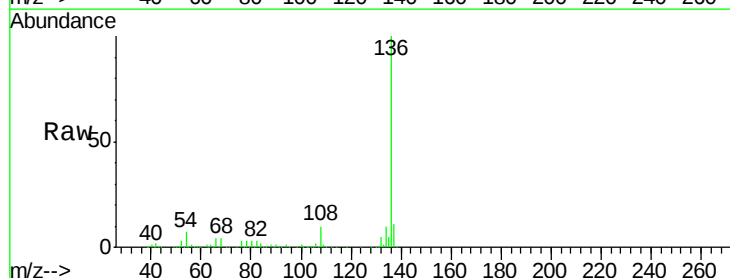
Instrument :
BNA_F
ClientSampleId :
SUP-B018(15-17)

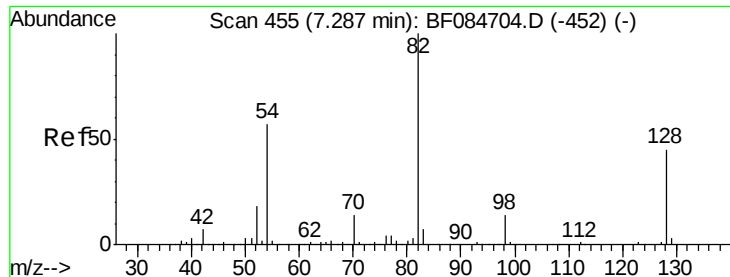
Tgt Ion: 70 Resp: 121728
Ion Ratio Lower Upper
70 100
42 51.3 33.3 49.9#
101 0.0 9.3 13.9#
130 1.8 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 512
Delta R.T. -0.03 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion: 136 Resp: 679251
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 6.7 5.8 8.8
68 3.9 4.2 6.2#

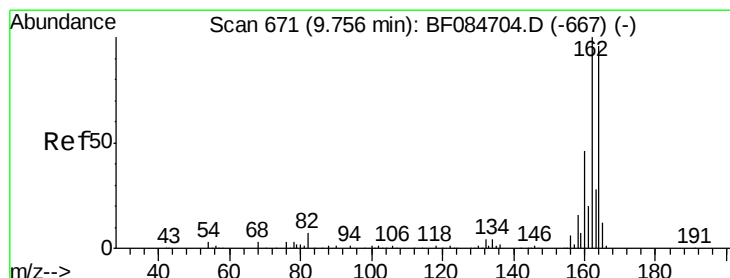
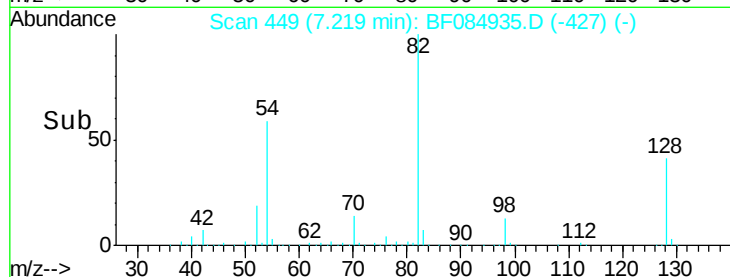
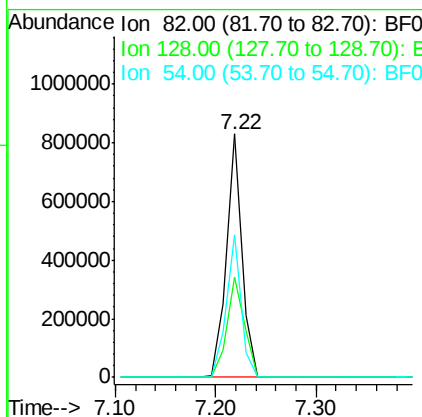
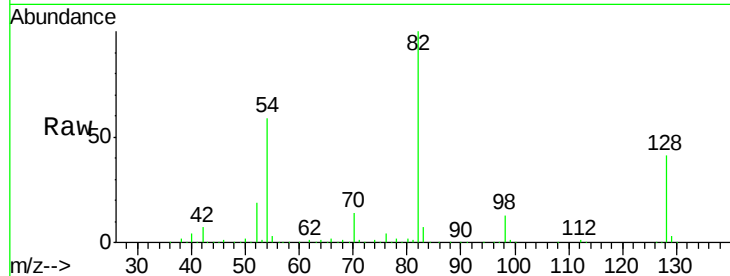




#23
 Nitrobenzene-d5
 Concen: 74.15 ng
 RT: 7.22 min Scan# 449
 Delta R.T. -0.05 min
 Lab File: BF084935.D
 Acq: 8 Feb 2016 18:19

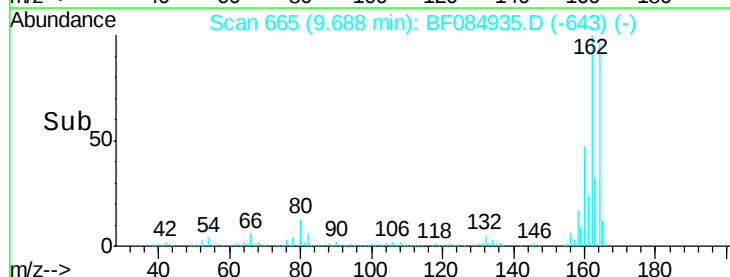
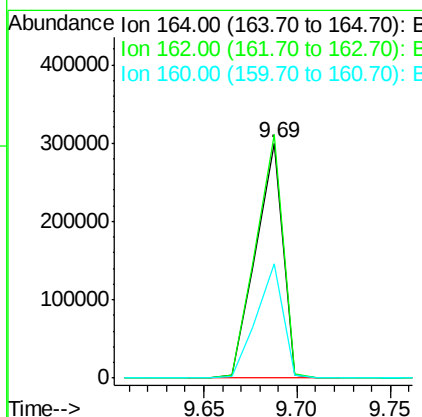
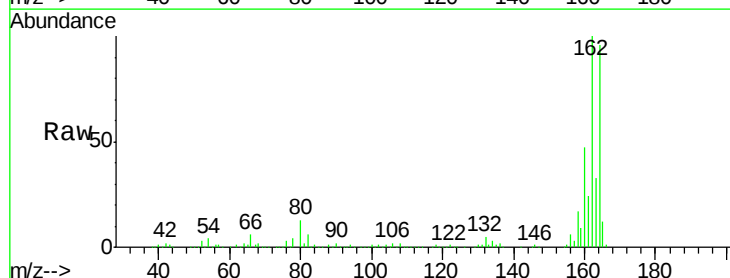
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 SUP-B018(15-17)

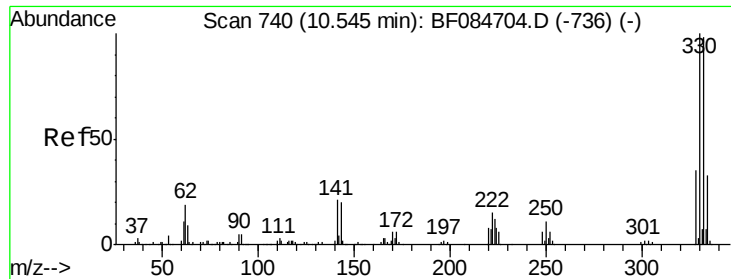
Tgt Ion: 82 Resp: 894100
 Ion Ratio Lower Upper
 82 100
 128 40.9 34.6 51.8
 54 58.8 38.4 57.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.69 min Scan# 665
 Delta R.T. -0.05 min
 Lab File: BF084935.D
 Acq: 8 Feb 2016 18:19

Tgt Ion: 164 Resp: 306534
 Ion Ratio Lower Upper
 164 100
 162 103.7 85.1 127.7
 160 48.9 37.5 56.3

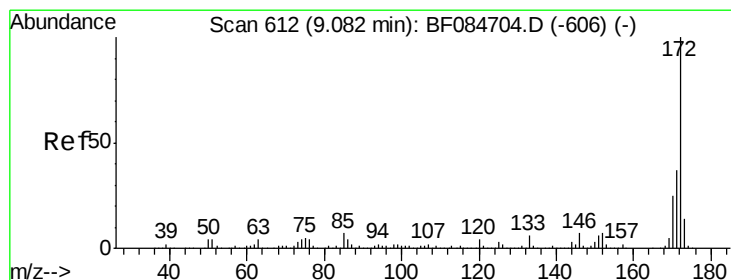
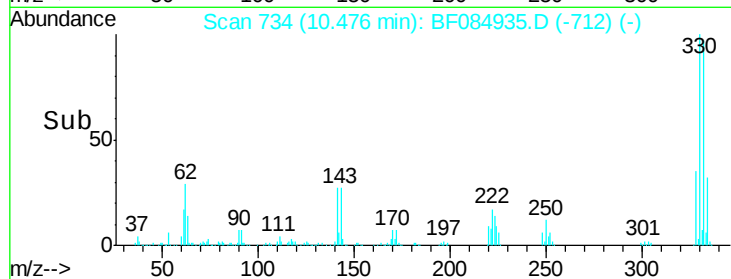
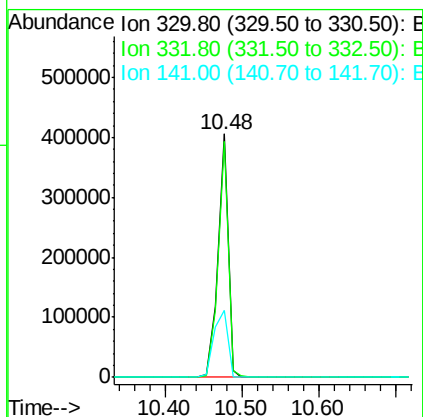
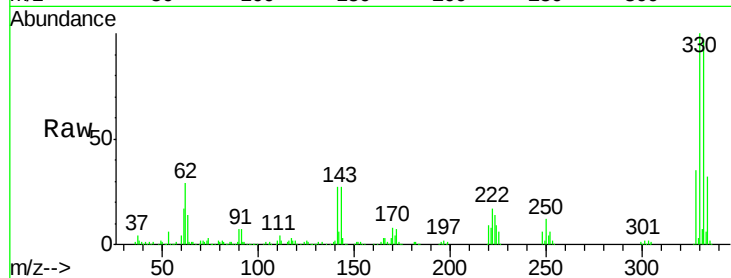




#41
 2,4,6-Tribromophenol
 Concen: 117.27 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.05 min
 Lab File: BF084935.D
 Acq: 8 Feb 2016 18:19

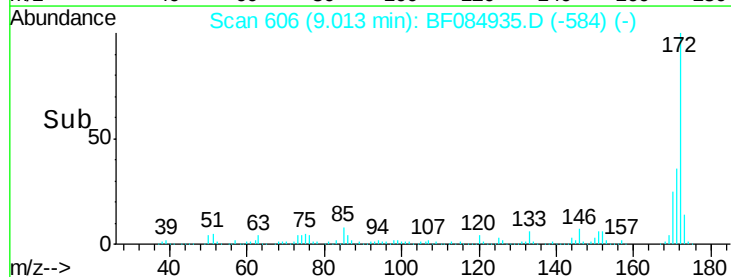
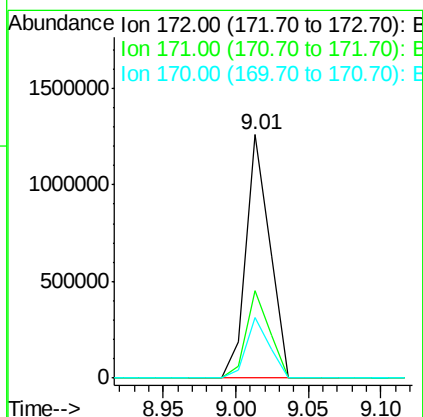
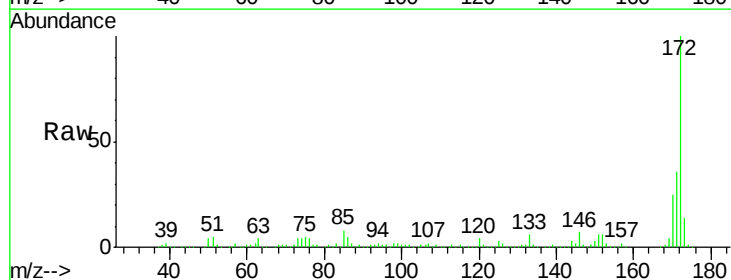
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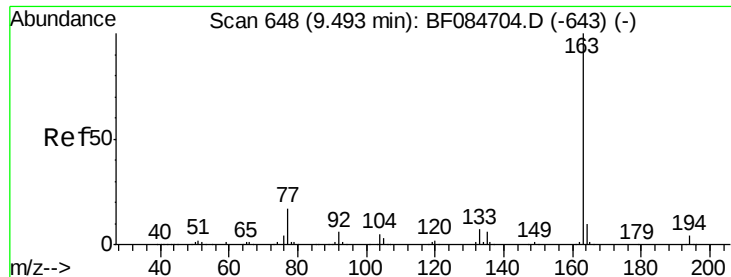
Tgt Ion:330 Resp: 374948
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 114.8
 141 37.3 27.8 41.6



#44
 2-Fluorobiphenyl
 Concen: 75.87 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.05 min
 Lab File: BF084935.D
 Acq: 8 Feb 2016 18:19

Tgt Ion:172 Resp: 1431701
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.9 43.3
 170 24.6 18.6 27.8

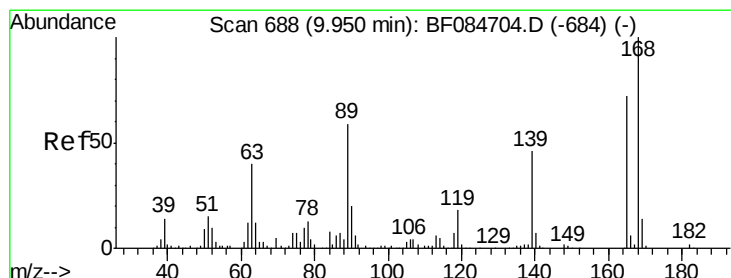
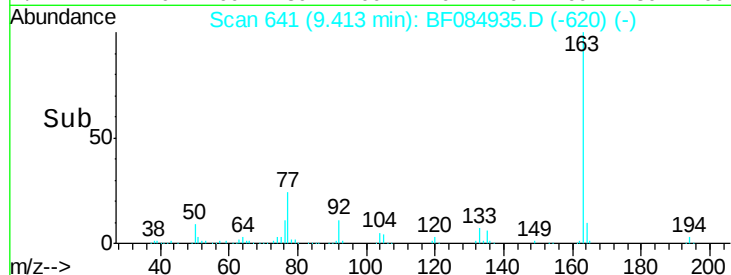
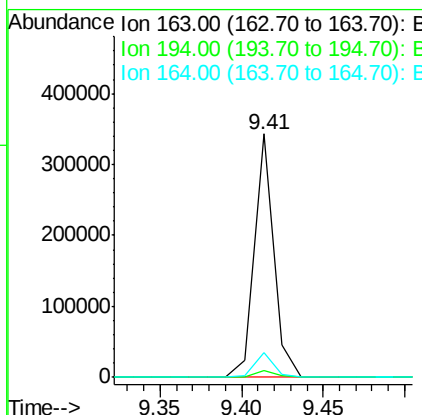
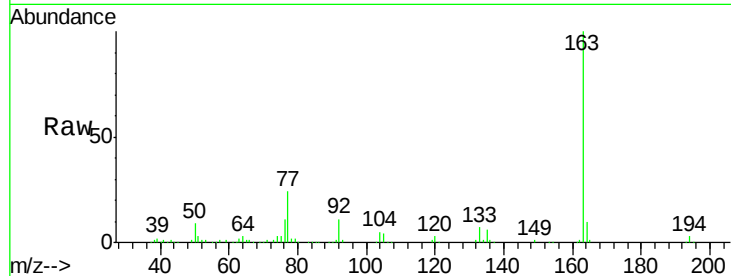




#49
Dimethylphthalate
Concen: 12.16 ng
RT: 9.41 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

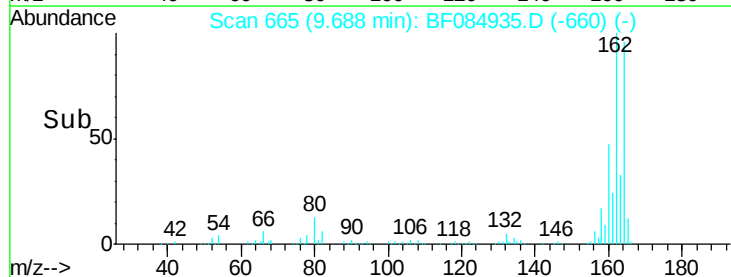
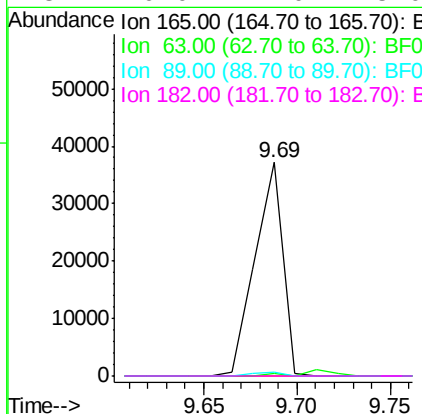
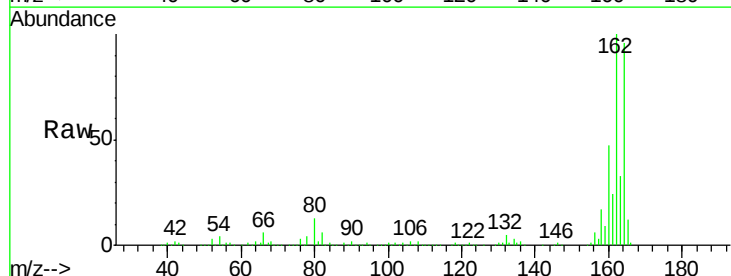
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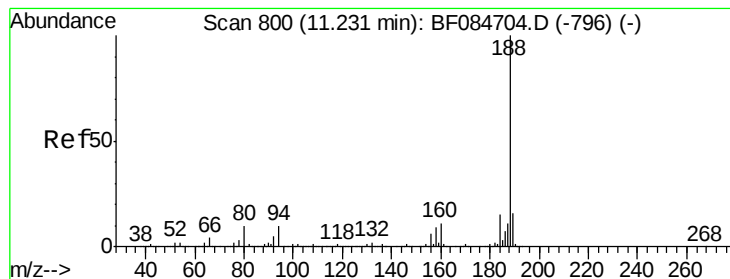
Tgt Ion:163 Resp: 283949
Ion Ratio Lower Upper
163 100
194 2.9 8.0 12.0#
164 10.1 8.0 12.0



#56
2,4-Dinitrotoluene
Concen: 5.97 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.24 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:165 Resp: 38846
Ion Ratio Lower Upper
165 100
63 1.3 36.7 55.1#
89 1.9 61.9 92.9#
182 0.0 2.0 3.0#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 794

Delta R.T. -0.05 min

Lab File: BF084935.D

Acq: 8 Feb 2016 18:19

Instrument :

BNA_F

ClientSampleId :

SUP-B018(15-17)

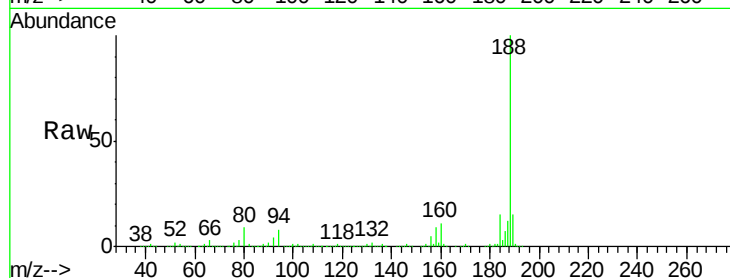
Tgt Ion:188 Resp: 538473

Ion Ratio Lower Upper

188 100

94 8.3 9.0 13.4#

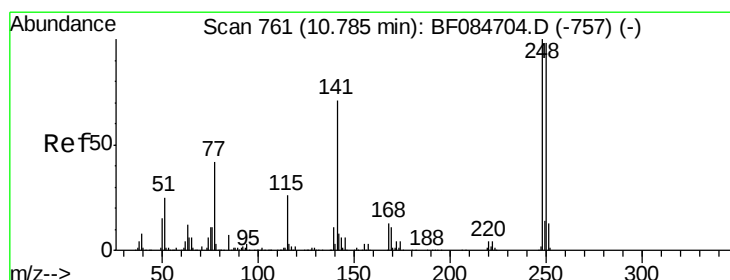
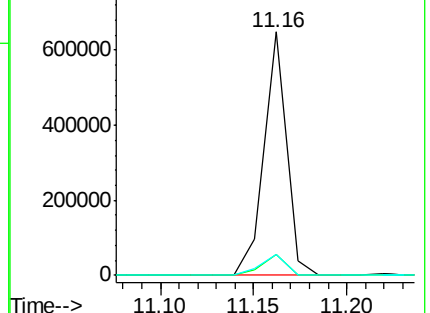
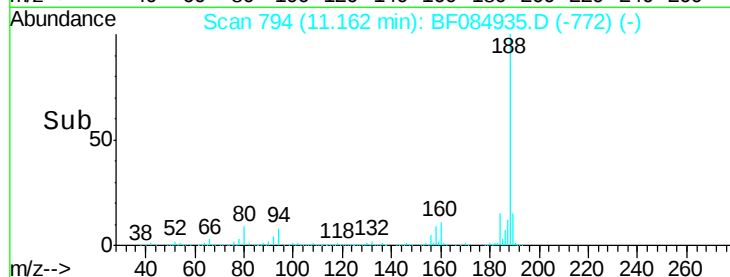
80 8.6 9.6 14.4#



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: 4.23 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.29 min

Lab File: BF084935.D

Acq: 8 Feb 2016 18:19

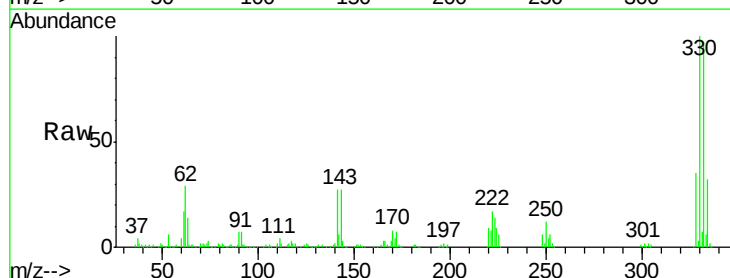
Tgt Ion:248 Resp: 25178

Ion Ratio Lower Upper

248 100

250 194.9 78.4 117.6#

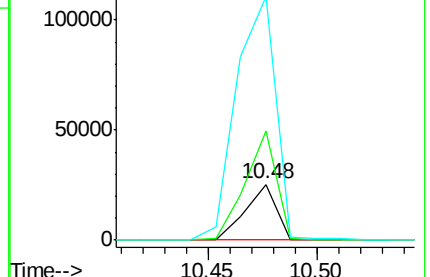
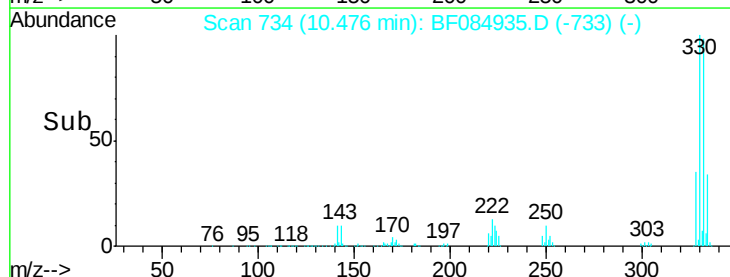
141 436.6 44.0 66.0#

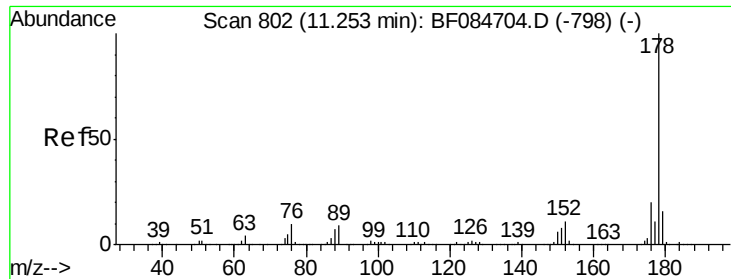


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

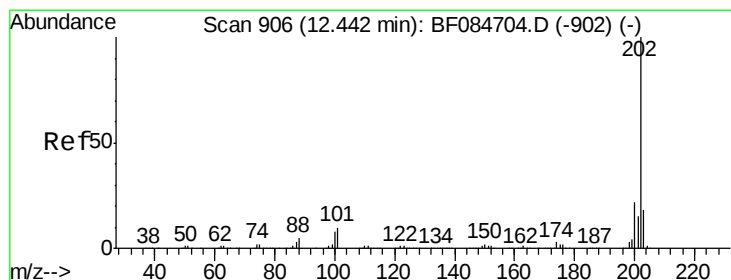
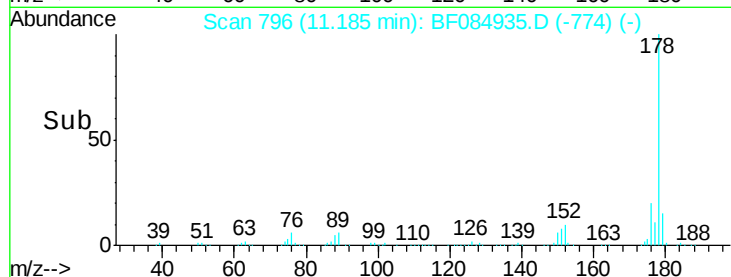
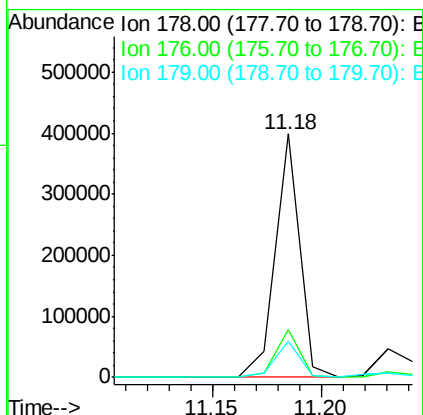
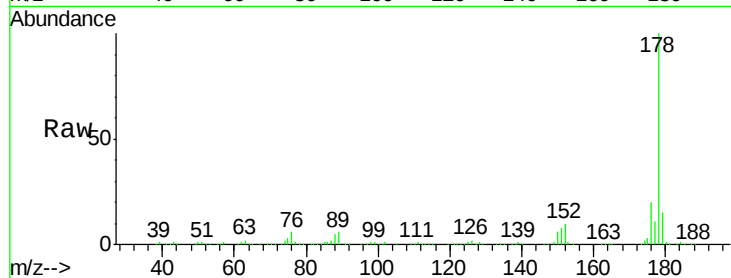




#70
Phenanthrene
Concen: 10.55 ng
RT: 11.18 min Scan# 796
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

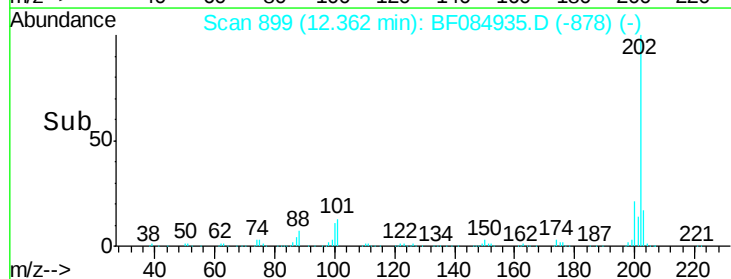
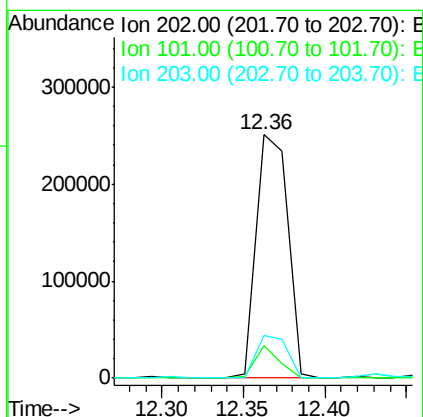
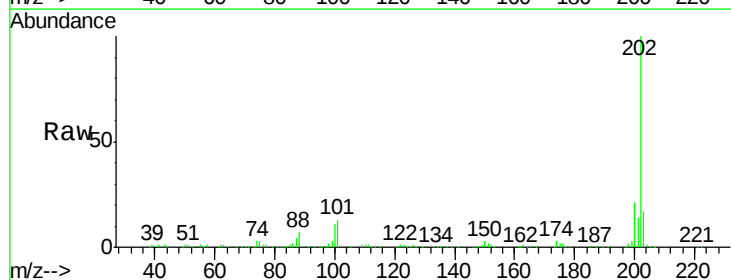
Instrument :
BNA_F
ClientSampleId :
SUP-B018(15-17)

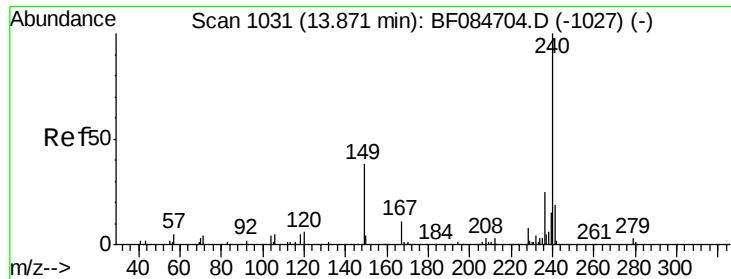
Tgt Ion:178 Resp: 315106
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.0 12.0 18.0



#74
Fluoranthene
Concen: 11.10 ng
RT: 12.36 min Scan# 899
Delta R.T. -0.06 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:202 Resp: 335628
Ion Ratio Lower Upper
202 100
101 13.3 0.0 32.8
203 17.5 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.79 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BF084935.D

Acq: 8 Feb 2016 18:19

Instrument :

BNA_F

ClientSampleId :

SUP-B018(15-17)

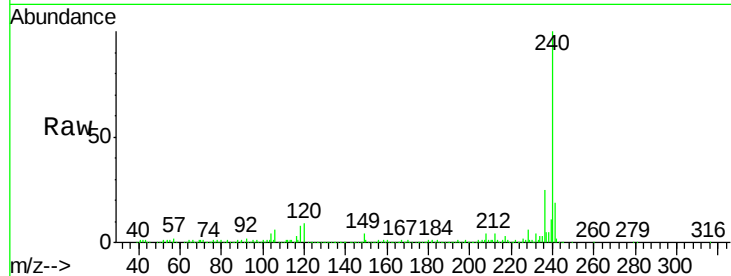
Tgt Ion:240 Resp: 363920

Ion Ratio Lower Upper

240 100

120 8.7 9.5 14.3#

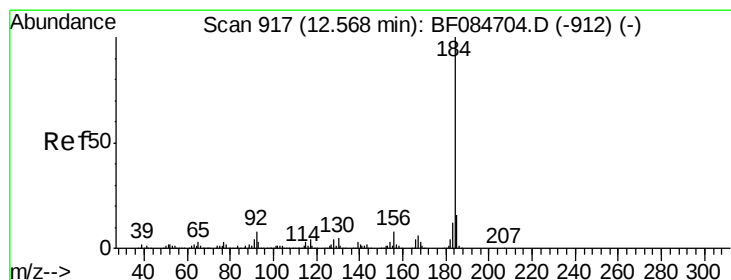
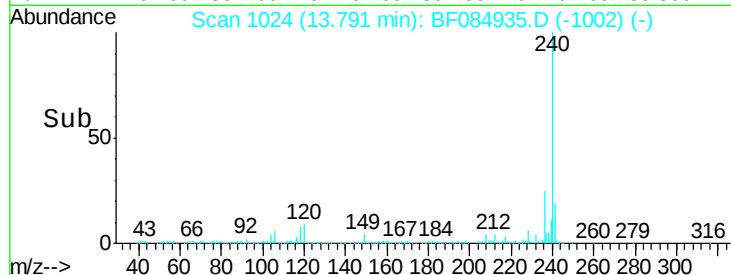
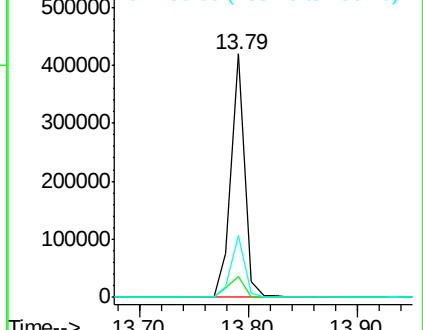
236 25.4 20.6 31.0



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: 7.79 ng

RT: 12.75 min Scan# 933

Delta R.T. 0.21 min

Lab File: BF084935.D

Acq: 8 Feb 2016 18:19

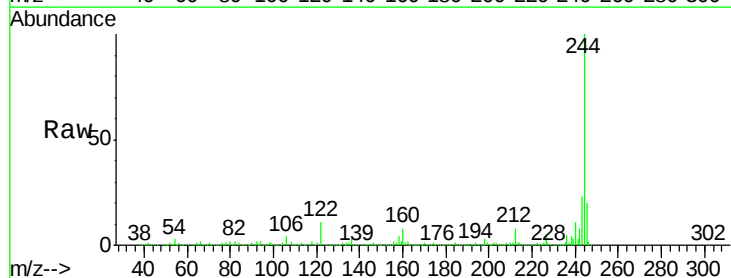
Tgt Ion:184 Resp: 17363

Ion Ratio Lower Upper

184 100

185 19.6 12.2 18.2#

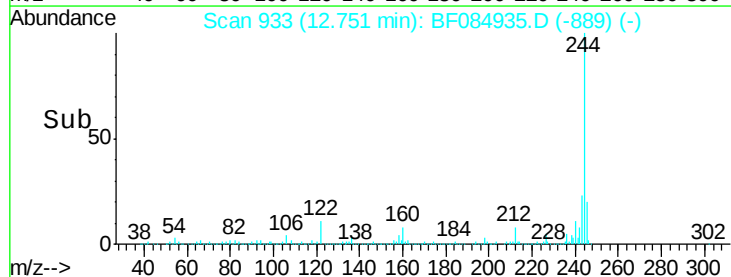
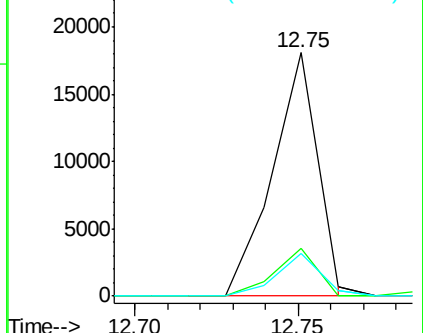
183 17.7 9.8 14.8#

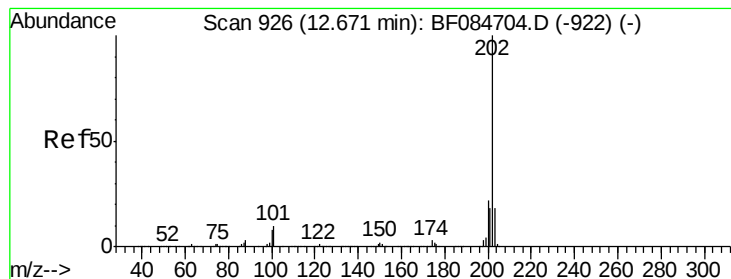


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 10.94 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.05 min

Lab File: BF084935.D

Acq: 8 Feb 2016 18:19

Instrument :

BNA_F

ClientSampleId :

SUP-B018(15-17)

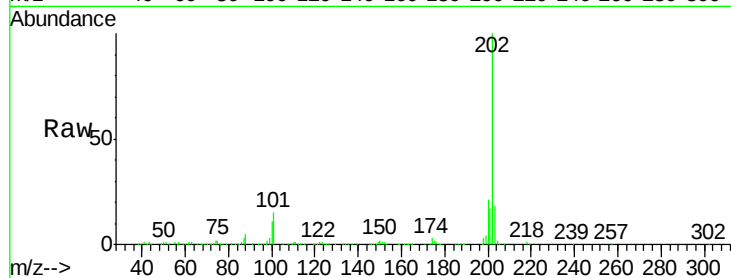
Tgt Ion:202 Resp: 304824

Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

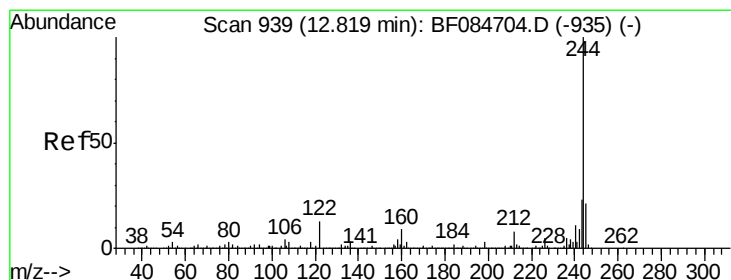
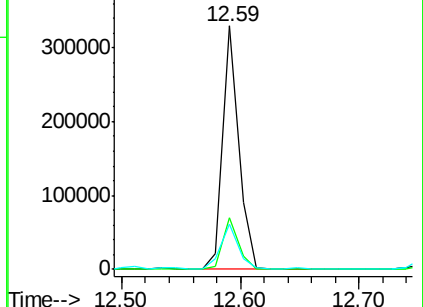
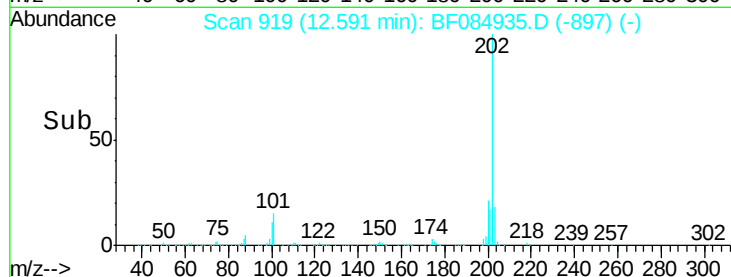
203 18.4 14.3 21.5



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: 70.81 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.05 min

Lab File: BF084935.D

Acq: 8 Feb 2016 18:19

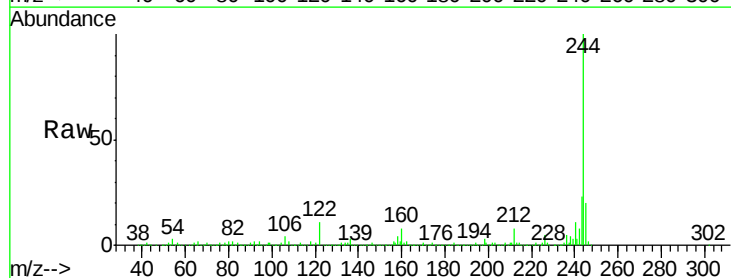
Tgt Ion:244 Resp: 1137254

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

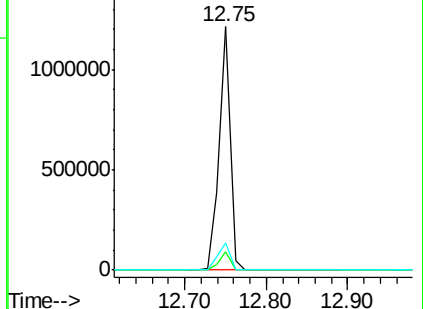
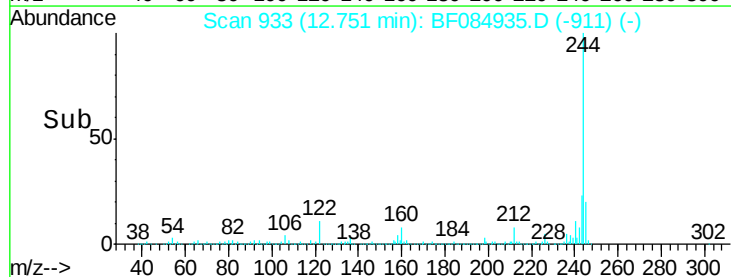
122 11.5 7.4 11.0#

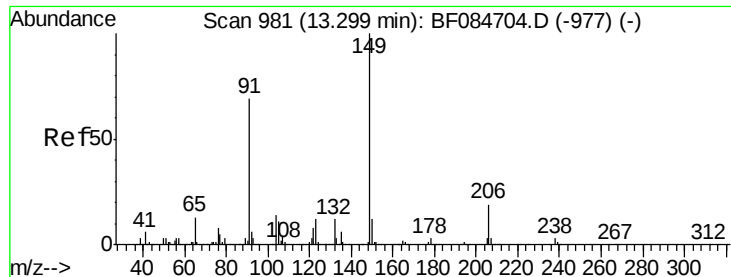


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

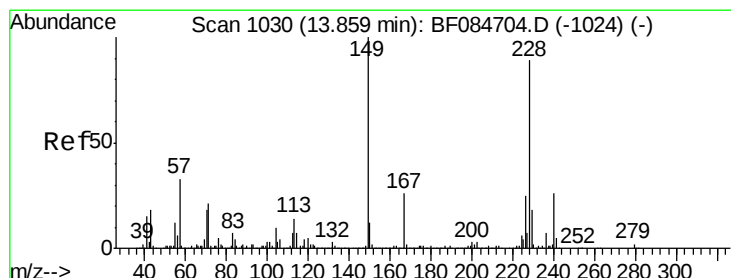
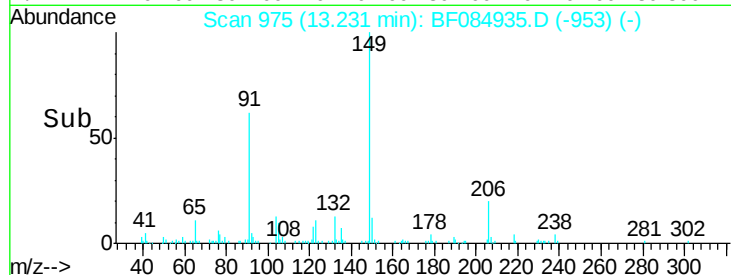
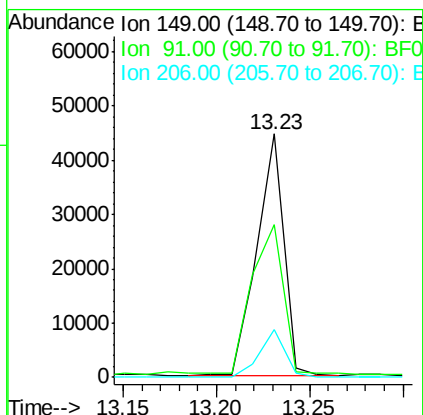
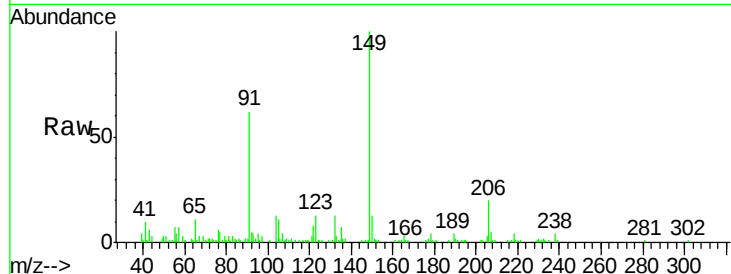




#79
Butylbenzylphthalate
Concen: 3.51 ng
RT: 13.23 min Scan# 975
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

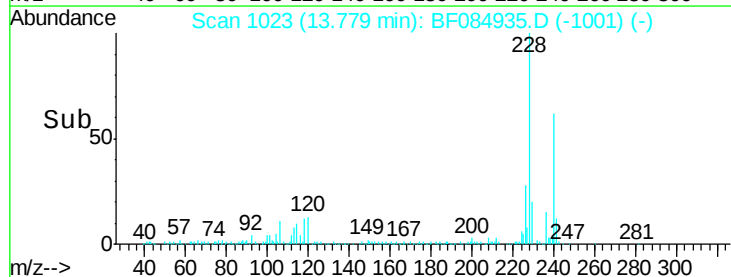
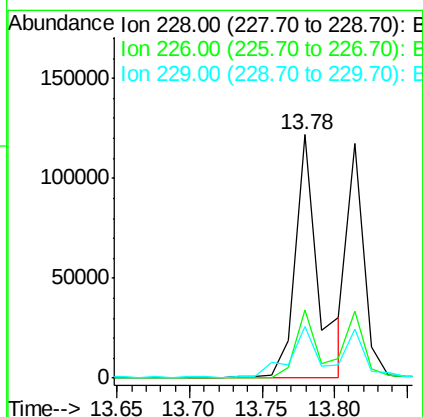
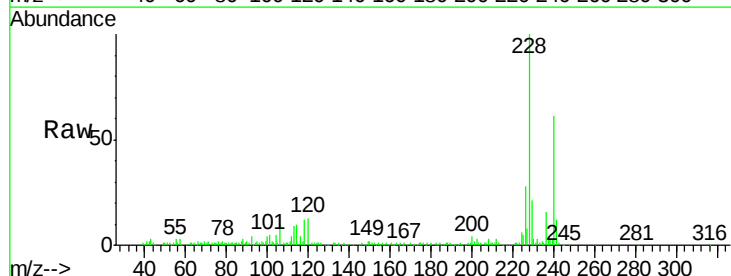
Instrument :
BNA_F
ClientSampleId :
SUP-B018(15-17)

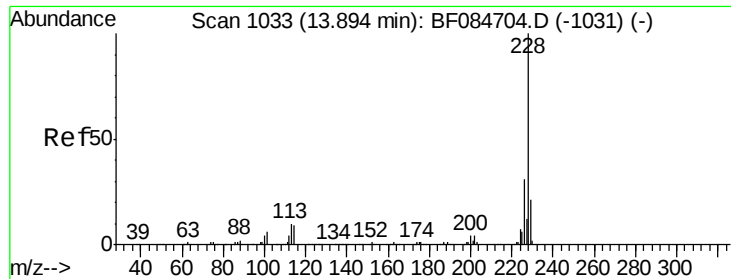
Tgt Ion:149 Resp: 44345
Ion Ratio Lower Upper
149 100
91 62.5 57.6 86.4
206 19.7 13.2 19.8



#80
Benzo(a)anthracene
Concen: 6.04 ng
RT: 13.78 min Scan# 1023
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:228 Resp: 136442
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.6
229 21.0 15.8 23.8





#82

Chrysene

Concen: 4.21 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.05 min

Lab File: BF084935.D

Acq: 8 Feb 2016 18:19

Instrument :

BNA_F

ClientSampleId :

SUP-B018(15-17)

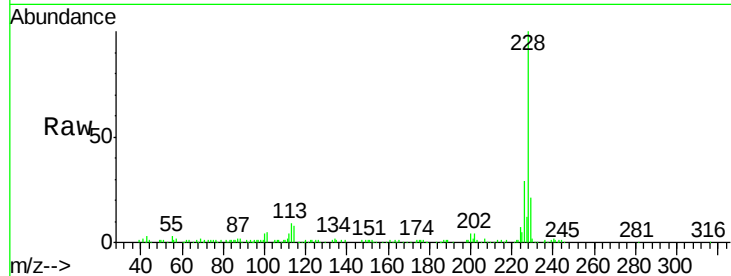
Tgt Ion:228 Resp: 92239

Ion Ratio Lower Upper

228 100

226 28.8 24.3 36.5

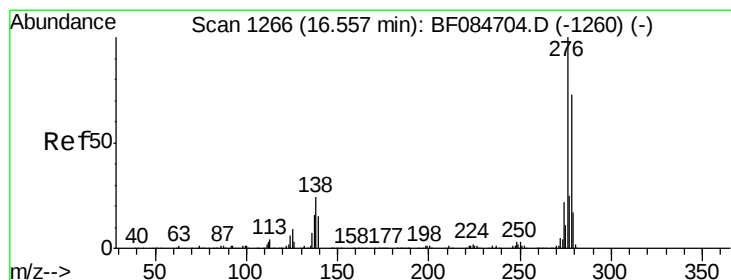
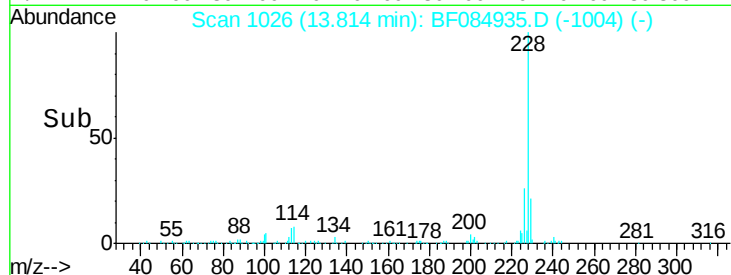
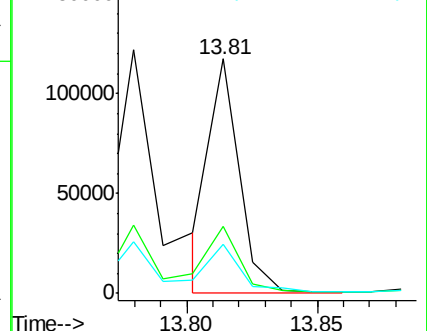
229 21.2 16.1 24.1



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.27 ng

RT: 16.42 min Scan# 1254

Delta R.T. -0.08 min

Lab File: BF084935.D

Acq: 8 Feb 2016 18:19

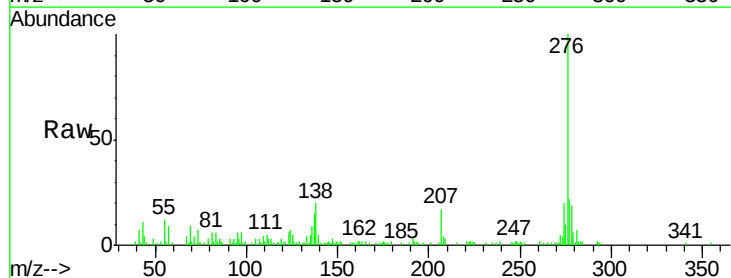
Tgt Ion:276 Resp: 56458

Ion Ratio Lower Upper

276 100

138 22.6 20.6 30.8

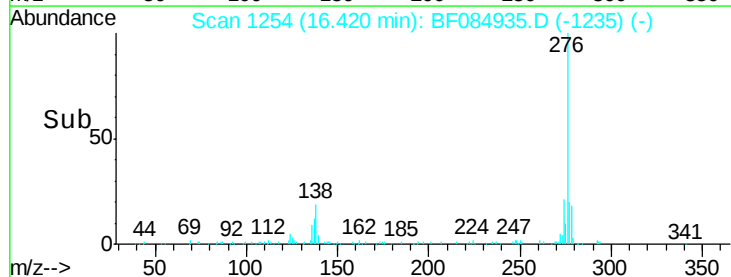
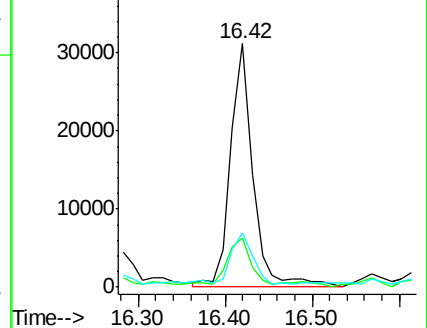
277 26.4 20.1 30.1

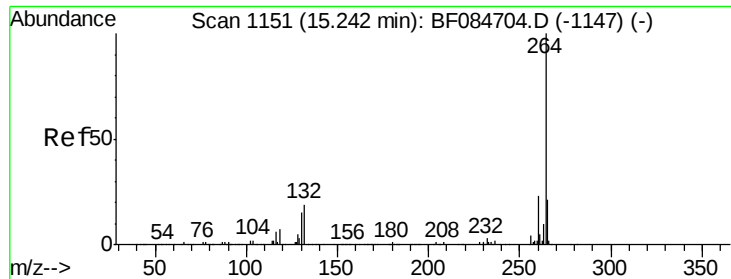


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

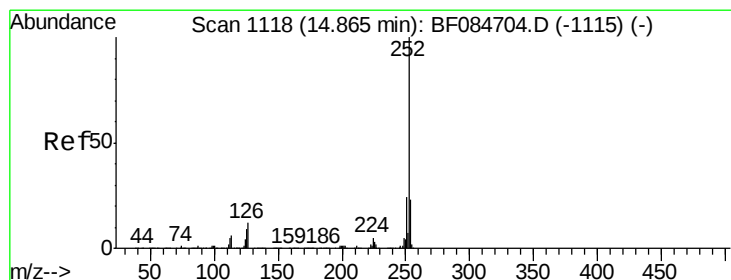
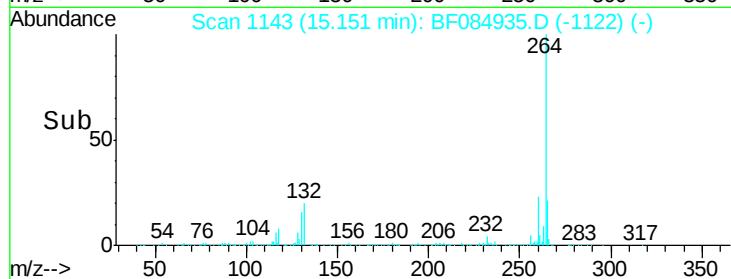
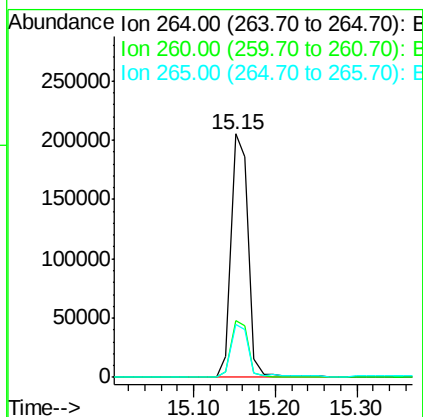
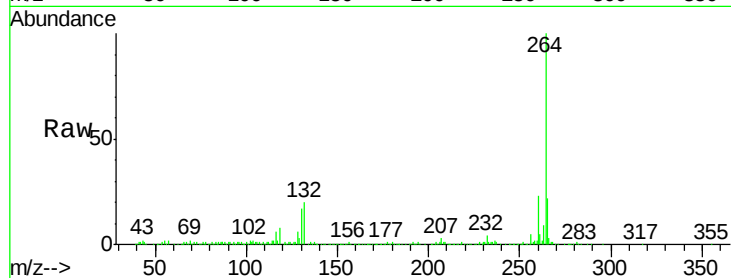




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1143
Delta R.T. -0.06 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

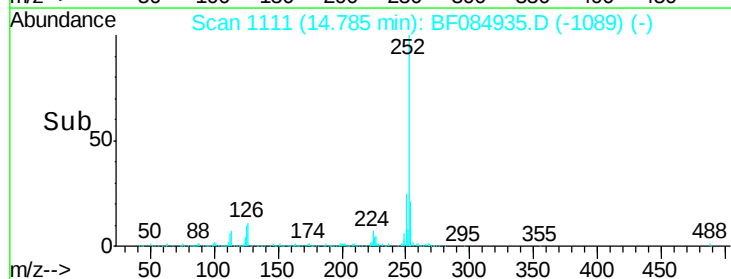
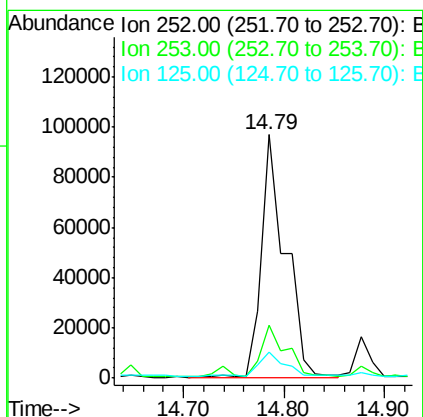
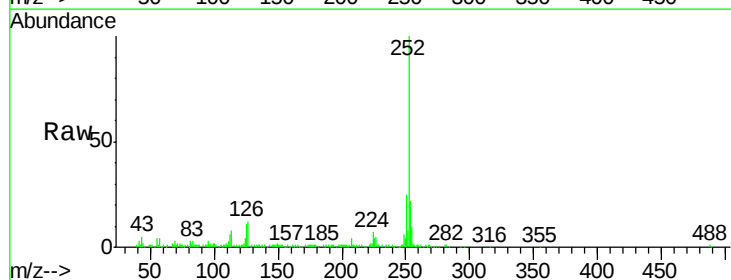
Instrument :
BNA_F
ClientSampleId :
SUP-B018(15-17)

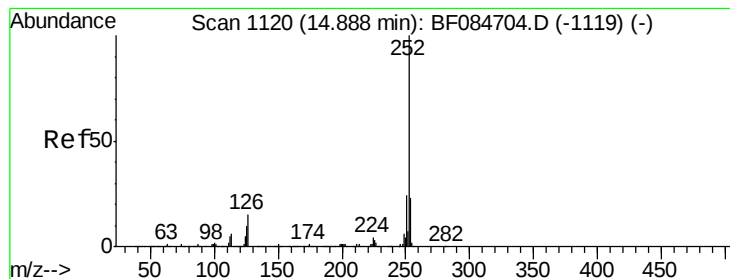
Tgt Ion:264 Resp: 300860
Ion Ratio Lower Upper
264 100
260 23.4 19.4 29.2
265 21.7 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 7.93 ng
RT: 14.79 min Scan# 1111
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:252 Resp: 160363
Ion Ratio Lower Upper
252 100
253 21.5 17.3 25.9
125 10.9 6.5 9.7#





#88

Benzo(k)fluoranthene

Concen: 9.59 ng

RT: 14.79 min Scan# 1111

Delta R.T. -0.07 min

Lab File: BF084935.D

Acq: 8 Feb 2016 18:19

Instrument :

BNA_F

ClientSampleId :

SUP-B018(15-17)

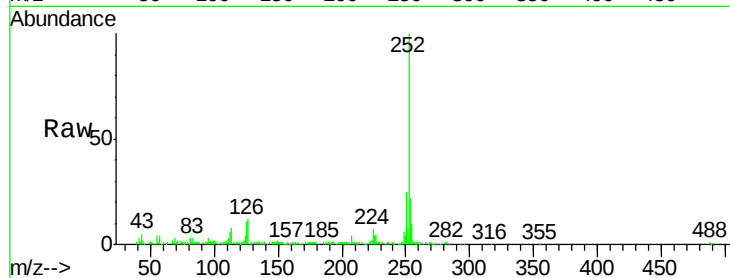
Tgt Ion:252 Resp: 160363

Ion Ratio Lower Upper

252 100

253 21.5 18.1 27.1

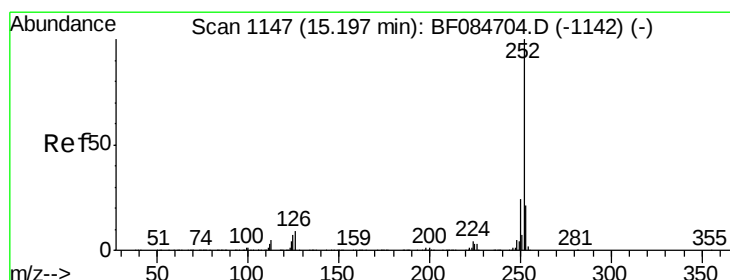
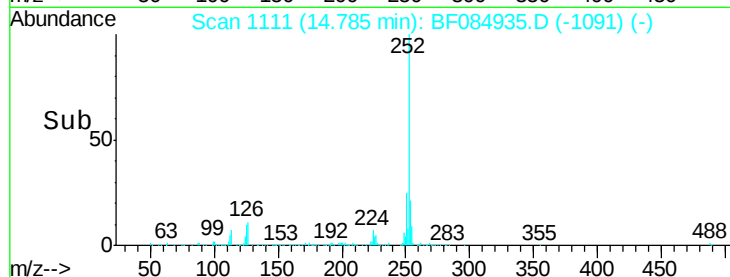
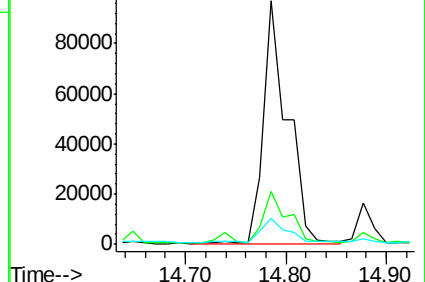
125 10.9 9.0 13.6



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



#89

Benzo(a)pyrene

Concen: 4.88 ng

RT: 15.11 min Scan# 1139

Delta R.T. -0.05 min

Lab File: BF084935.D

Acq: 8 Feb 2016 18:19

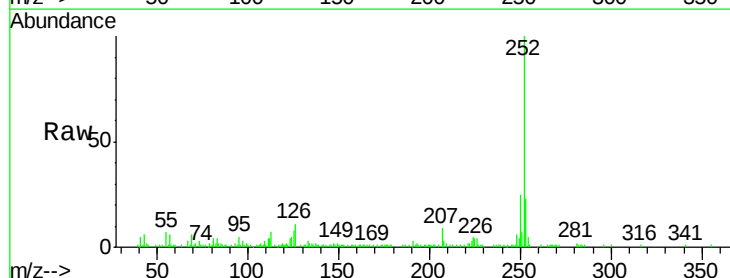
Tgt Ion:252 Resp: 84069

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

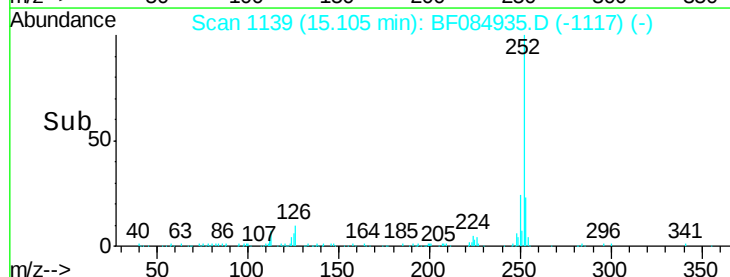
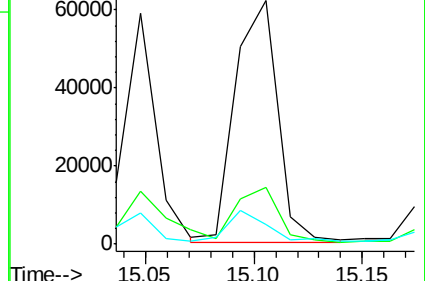
125 7.9 7.0 10.4

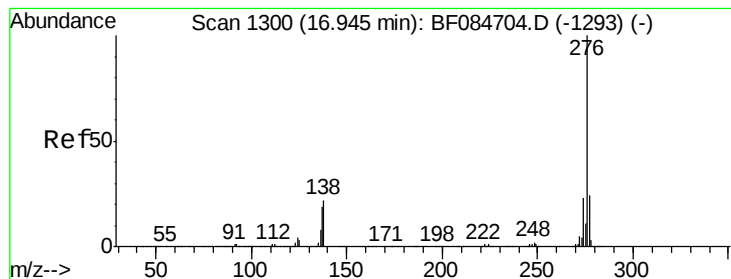


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.45 ng

RT: 16.80 min Scan# 1287

Delta R.T. -0.09 min

Lab File: BF084935.D

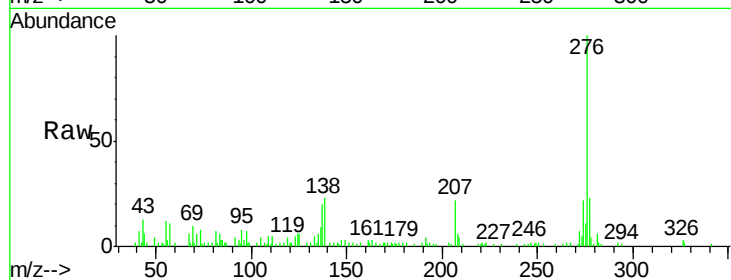
Acq: 8 Feb 2016 18:19

Instrument :

BNA_F

ClientSampleId :

SUP-B018(15-17)



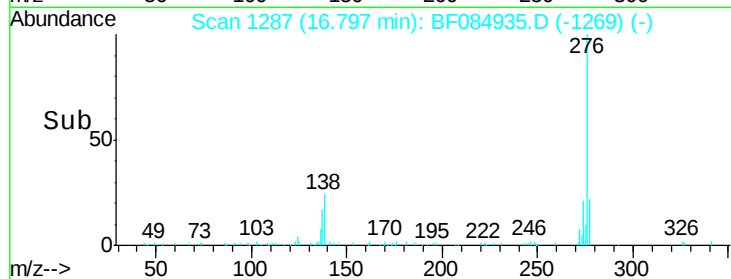
Tgt Ion: 276 Resp: 50399

Ion Ratio Lower Upper

276 100

277 22.7 18.8 28.2

138 22.9 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

