

Data Path : Z:\HPCHEM1\BNA F\Data\BF031716\
 Data File : BF085533.D
 Acq On : 18 Mar 2016 12:29
 Operator : UM/SJ
 Sample : H1730-10RE
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 18 12:11:02 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	157511	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	579752	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	209536	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	356642	20.00	ng	-0.05
75) Chrysene-d12	14.04	240	335915	20.00	ng	-0.05
86) Perylene-d12	15.48	264	269331	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1277631	139.43	ng	-0.02
7) Phenol-d6	6.52	99	1574617	132.48	ng	-0.03
23) Nitrobenzene-d5	7.44	82	1013689	103.38	ng	-0.05
41) 2,4,6-Tribromophenol	10.71	330	280758	145.48	ng	-0.05
44) 2-Fluorobiphenyl	9.24	172	1193826	98.84	ng	-0.05
78) Terphenyl-d14	12.99	244	1019303	68.64	ng	-0.05

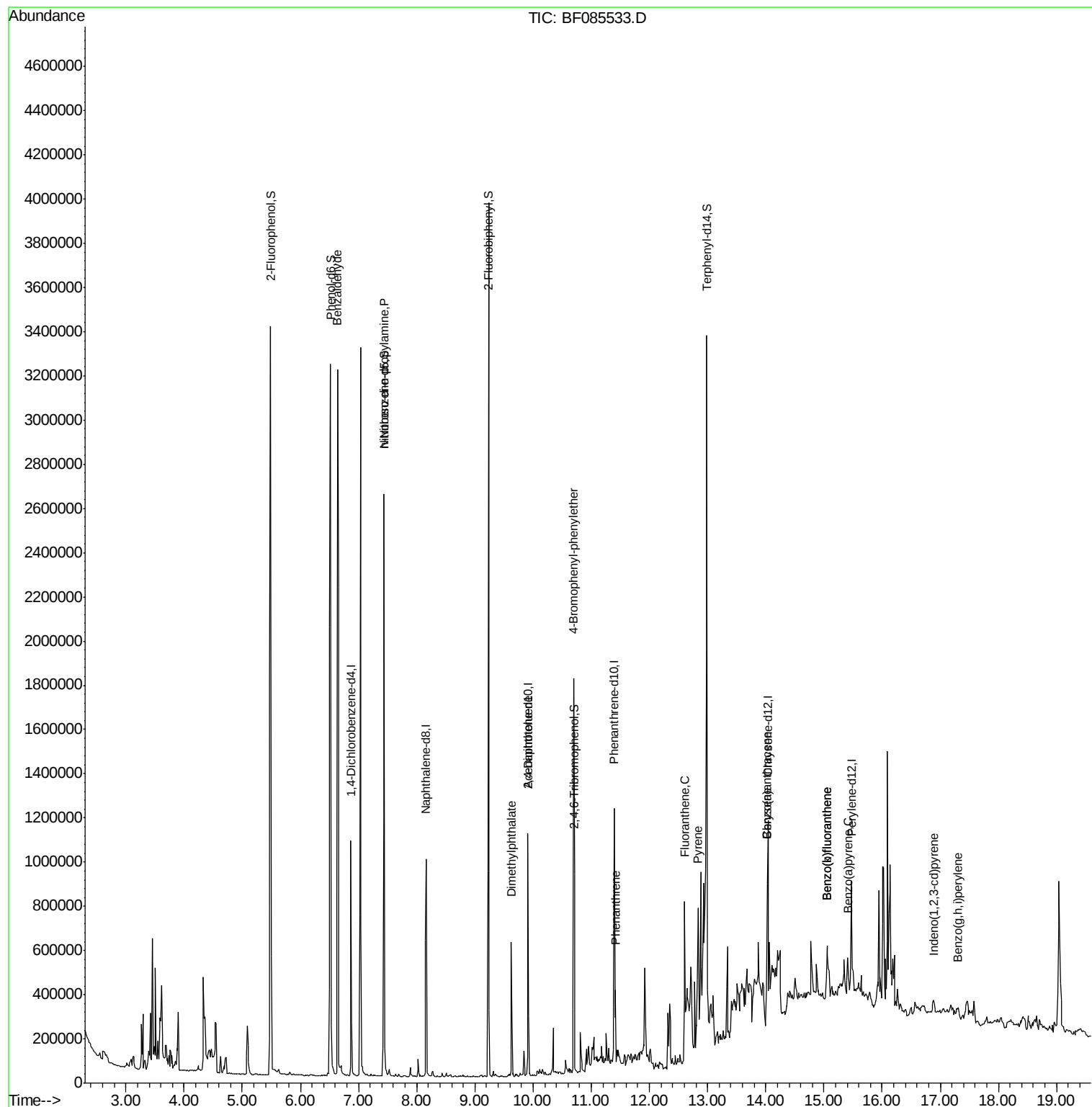
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.64	77	28035	4.22	ng	84
19) n-Nitroso-di-n-propylamine	7.44	70	136392	19.16	ng	# 76
49) Dimethylphthalate	9.62	163	267985	17.53	ng	# 99
56) 2,4-Dinitrotoluene	9.91	165	27215	6.42	ng	# 22
66) 4-Bromophenyl-phenylether	10.70	248	17534	4.86	ng	# 1
70) Phenanthrene	11.42	178	73658	3.97	ng	97
74) Fluoranthene	12.61	202	189431	10.85	ng	97
77) Pyrene	12.84	202	188253	7.47	ng	97
80) Benzo(a)anthracene	14.03	228	125437	6.51	ng	98
82) Chrysene	14.03	228	125437	7.24	ng	97
85) Indeno(1,2,3-cd)pyrene	16.88	276	38584	2.35	ng	90
87) Benzo(b)fluoranthene	15.05	252	146751	8.34	ng	97
88) Benzo(k)fluoranthene	15.05	252	146751	10.65	ng	96
89) Benzo(a)pyrene	15.41	252	72494	4.77	ng	# 93
91) Benzo(a,h,i)perylene	17.31	276	37619	2.48	ng	95

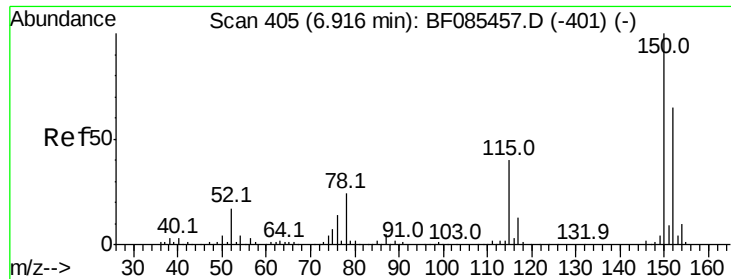
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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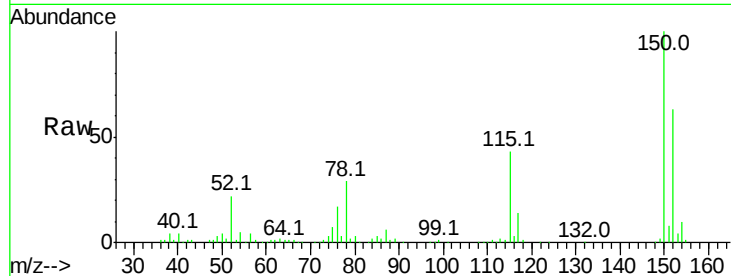


#1

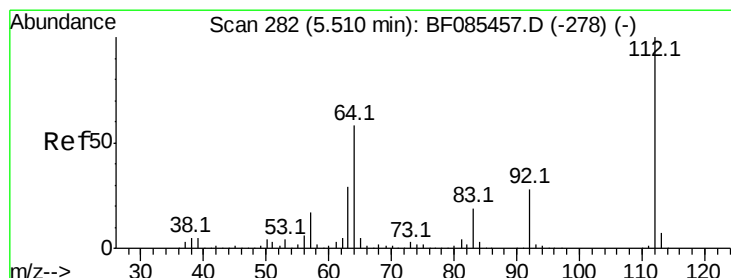
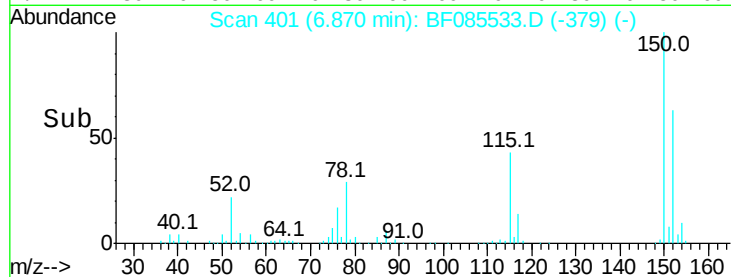
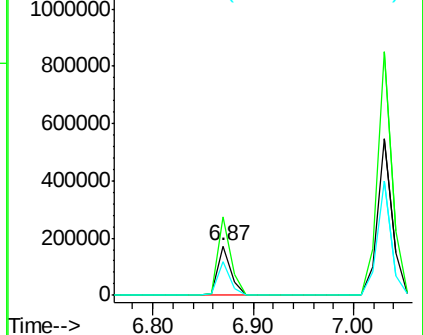
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 401
Delta R.T. -0.05 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 157511
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 68.8 46.6 70.0



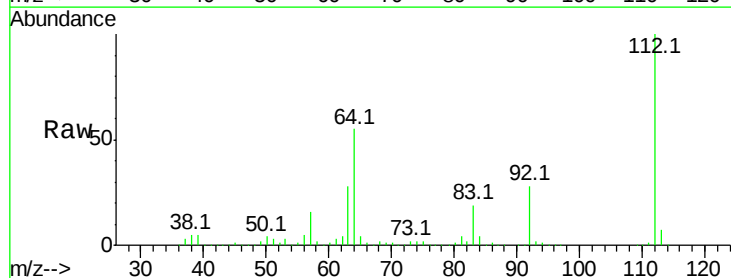
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



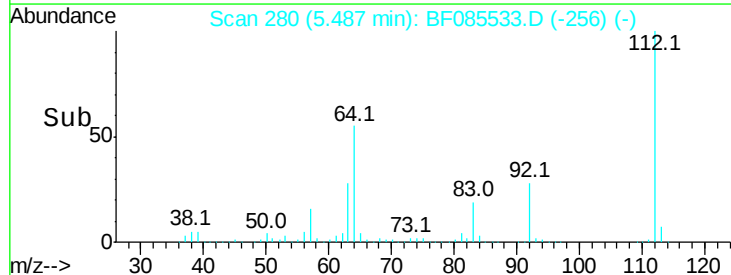
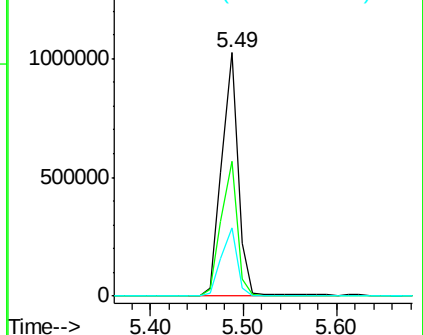
#5

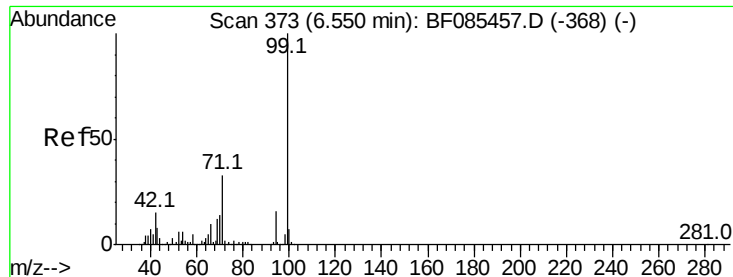
2-Fluorophenol
Concen: 139.43 ng
RT: 5.49 min Scan# 280
Delta R.T. -0.02 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Tgt Ion:112 Resp: 1277631
Ion Ratio Lower Upper
112 100
64 55.2 49.0 73.4
63 27.9 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.48 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

Instrument :

BNA_F

ClientSampleId :

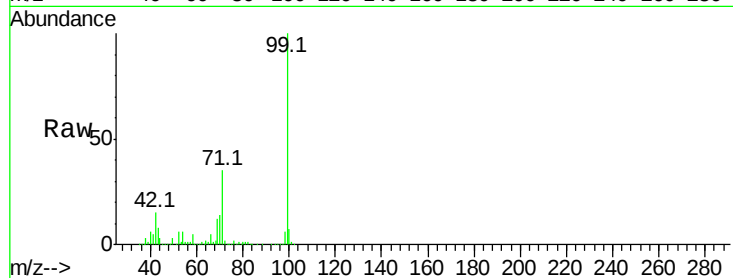
Tot Ion: 99 Resp: 1574617

Ion Ratio Lower Upper

99 100

42 15.5 13.6 20.4

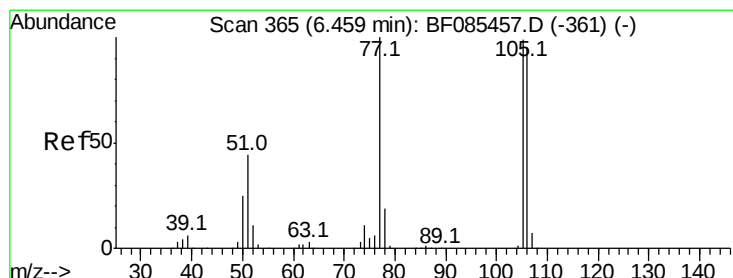
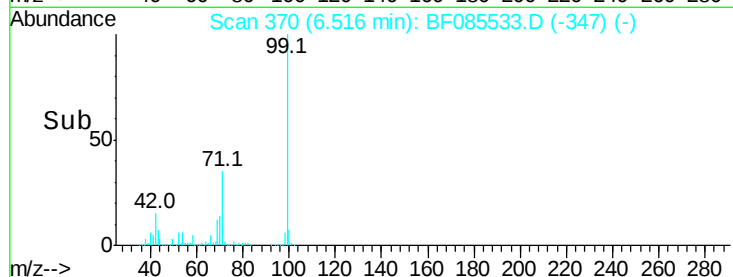
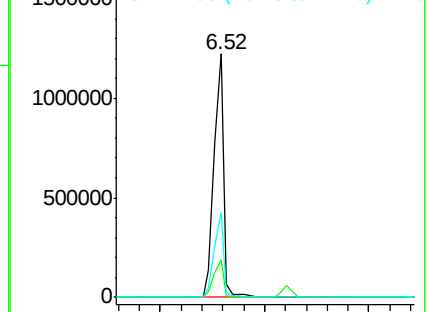
71 34.7 26.7 40.1



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.22 ng

RT: 6.64 min Scan# 381

Delta R.T. 0.18 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

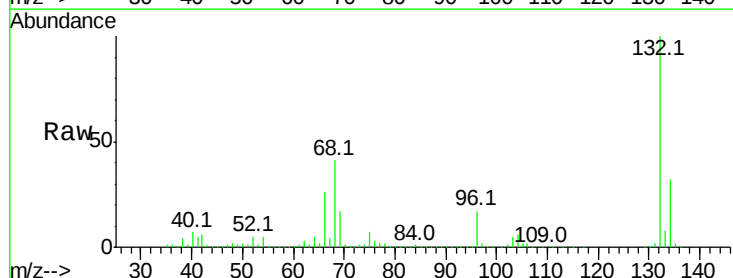
Tgt Ion: 77 Resp: 28035

Ion Ratio Lower Upper

77 100

105 82.1 78.2 118.2

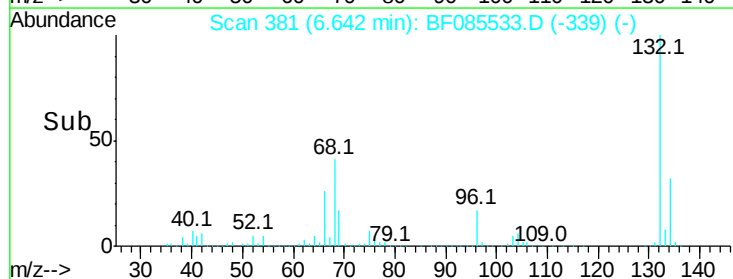
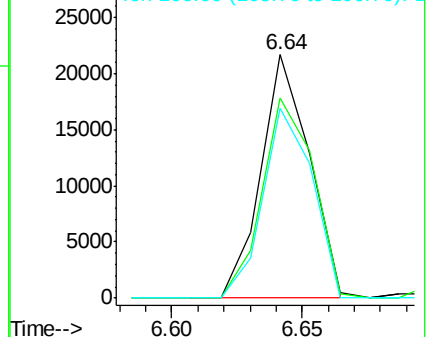
106 78.1 72.9 112.9

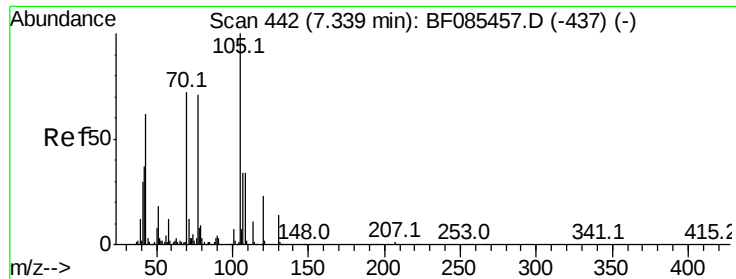


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

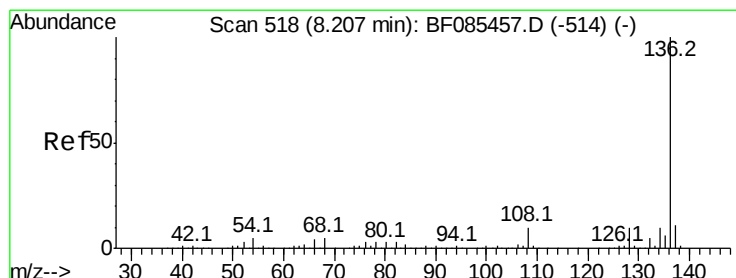
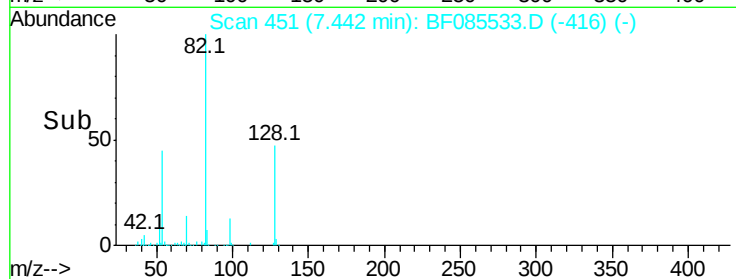
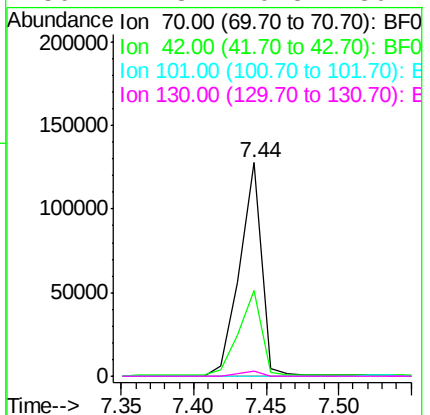
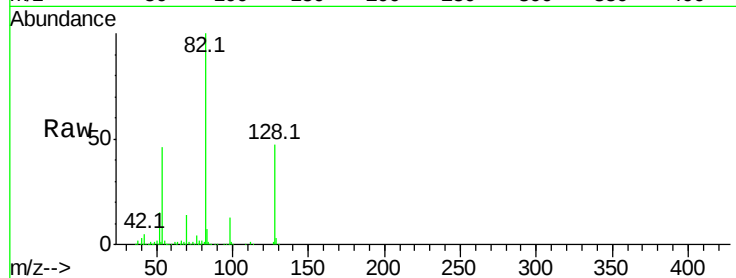




#19
n-Nitroso-di-n-propylamine
Concen: 19.16 ng
RT: 7.44 min Scan# 451
Delta R.T. 0.10 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

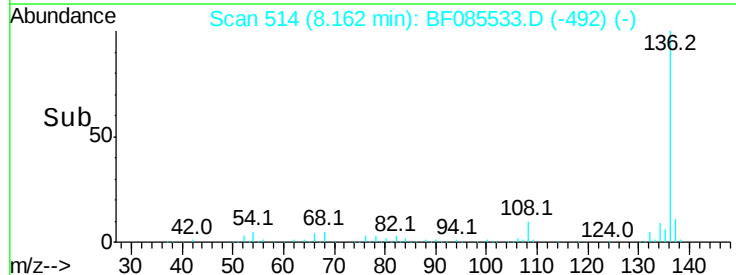
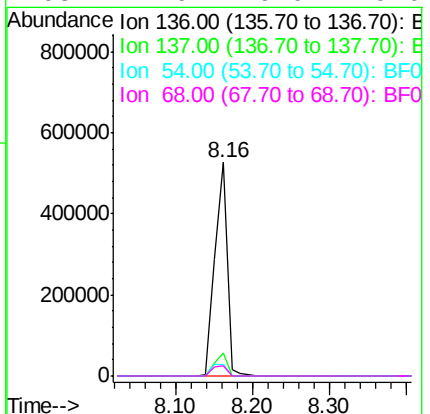
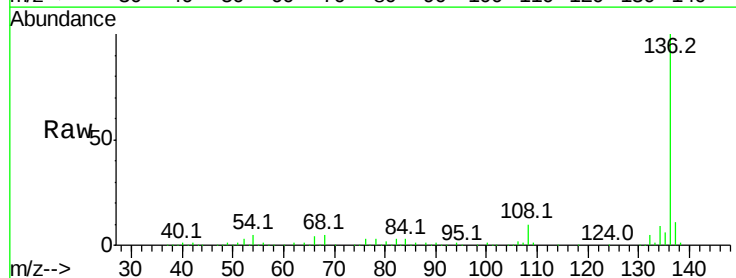
Instrument :
BNA_F
ClientSampleId :

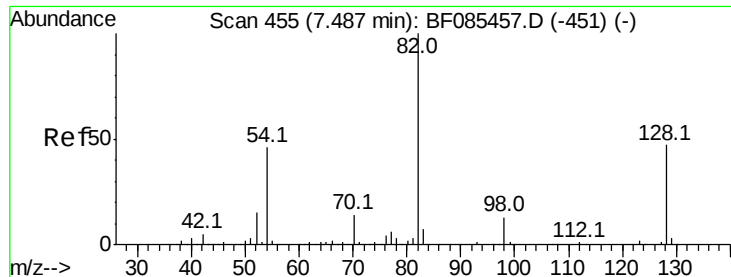
Tot Ion: 70 Resp: 136392
Ion Ratio Lower Upper
70 100
42 40.1 37.7 56.5
101 0.0 8.2 12.4#
130 2.3 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.05 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Tgt Ion: 136 Resp: 579752
Ion Ratio Lower Upper
136 100
137 10.8 9.3 13.9
54 5.1 7.4 11.2#
68 4.6 6.0 9.0#





#23

Nitrobenzene-d5

Concen: 103.38 ng

RT: 7.44 min Scan# 451

Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

Instrument :

BNA_F

ClientSampleId :

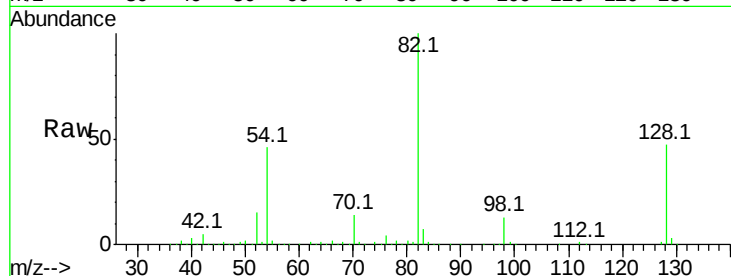
Tot Ion: 82 Resp: 1013689

Ion Ratio Lower Upper

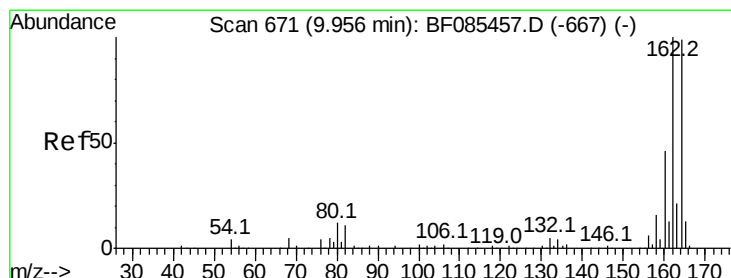
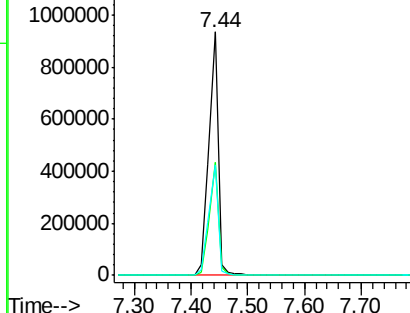
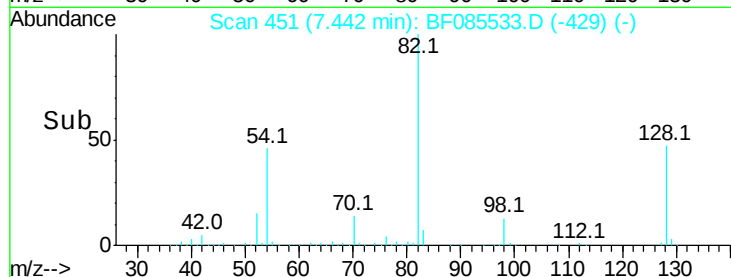
82 100

128 46.5 34.5 51.7

54 45.5 39.3 58.9



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 667

Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

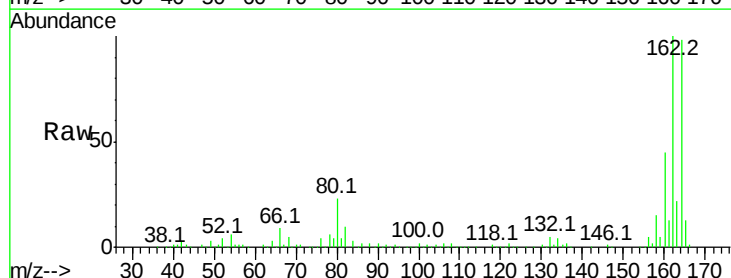
Tgt Ion:164 Resp: 209536

Ion Ratio Lower Upper

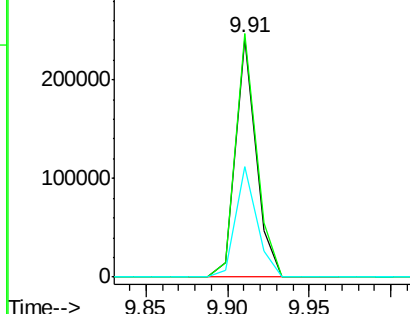
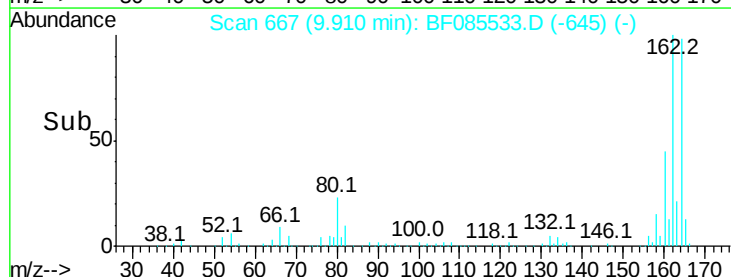
164 100

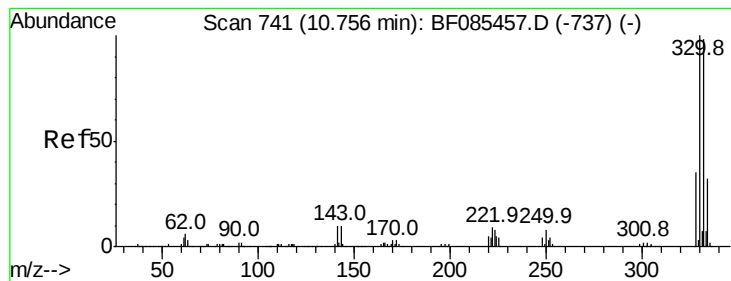
162 102.0 83.3 124.9

160 46.2 37.9 56.9



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





#41

2,4,6-Tribromophenol

Concen: 145.48 ng

RT: 10.71 min Scan# 737

Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

Instrument :

BNA_F

ClientSampleId :

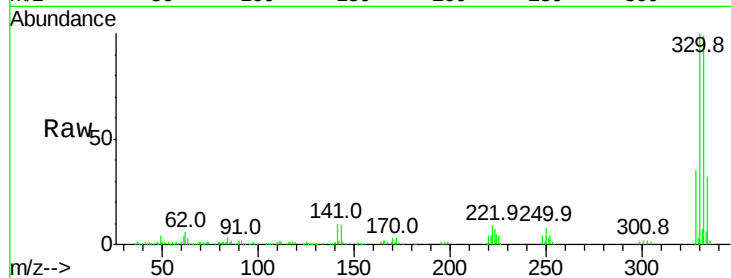
Tot Ion:330 Resp: 280758

Ion Ratio Lower Upper

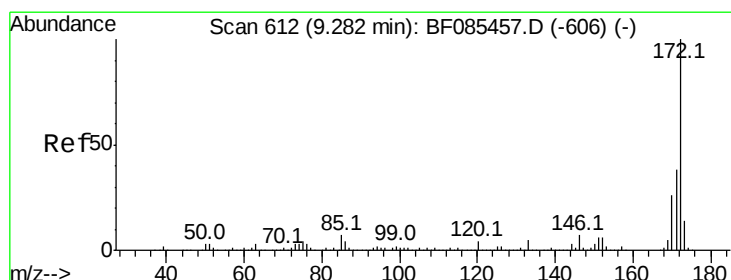
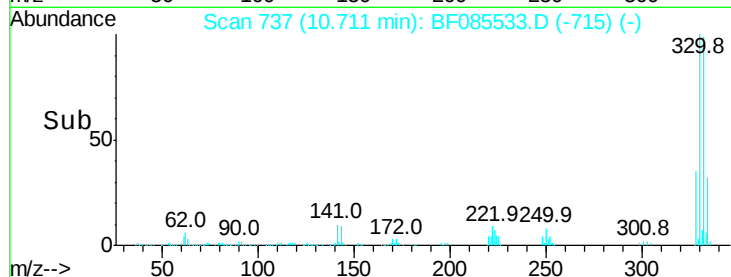
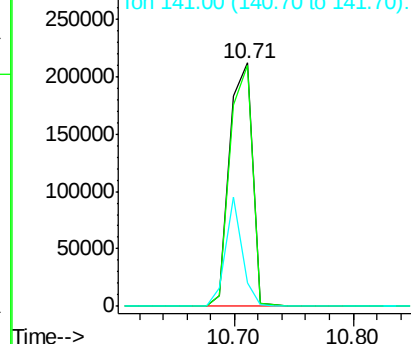
330 100

332 97.7 77.1 115.7

141 32.8 35.0 52.6#



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: 98.84 ng

RT: 9.24 min Scan# 608

Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

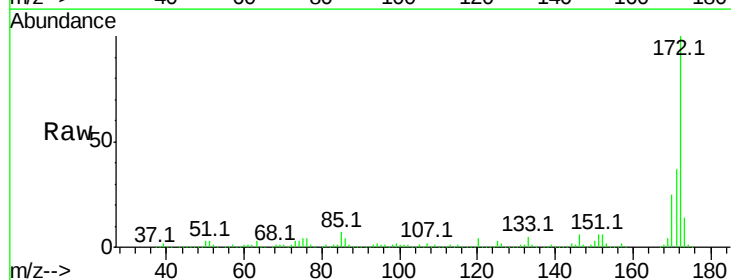
Tgt Ion:172 Resp: 1193826

Ion Ratio Lower Upper

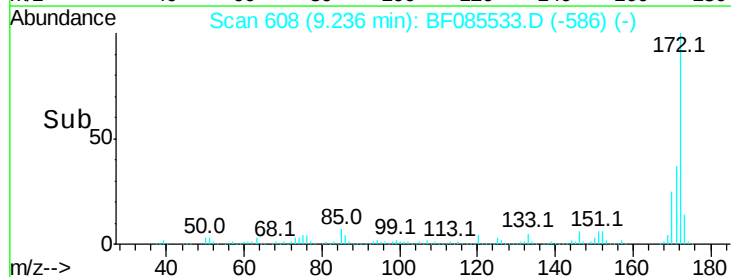
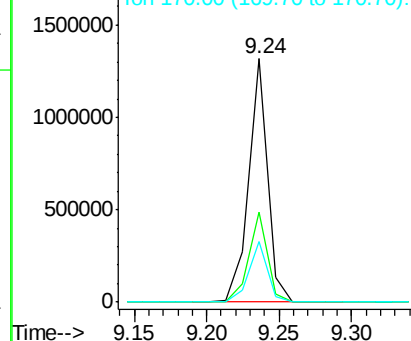
172 100

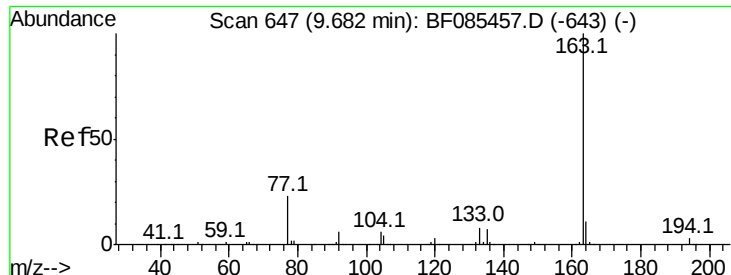
171 36.9 29.3 43.9

170 24.6 20.0 30.0



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

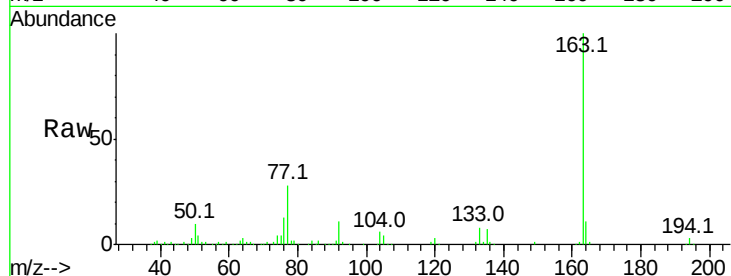




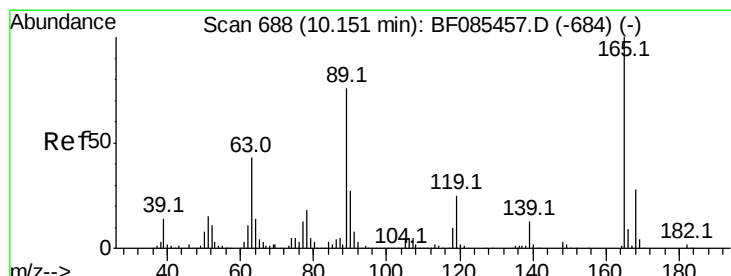
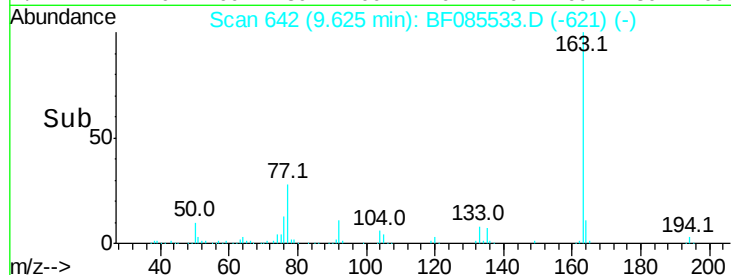
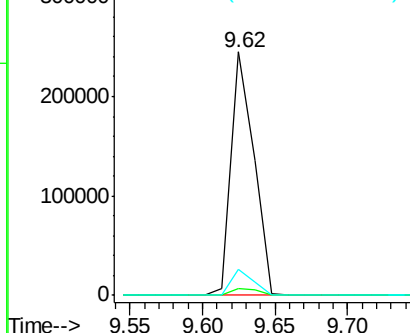
#49
Dimethylphthalate
Concen: 17.53 ng
RT: 9.62 min Scan# 642
Delta R.T. -0.06 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 267985
Ion Ratio Lower Upper
163 100
194 3.0 3.1 4.7#
164 10.5 8.2 12.4

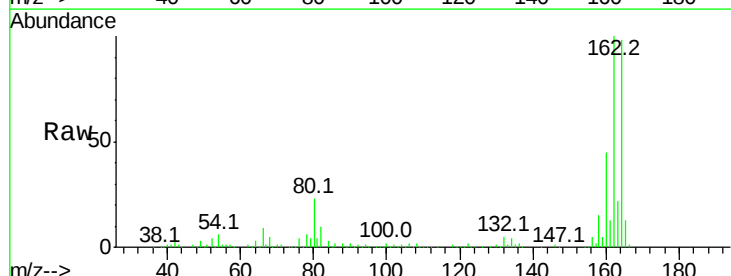


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

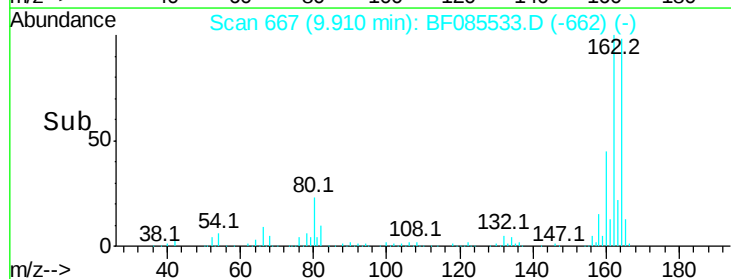
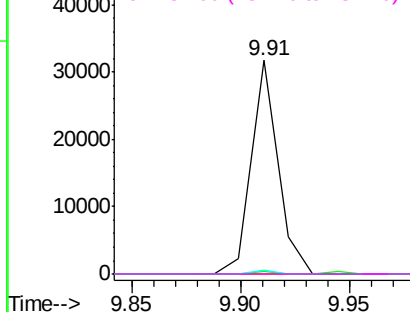


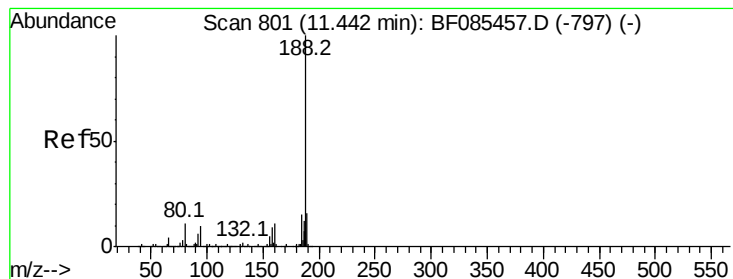
#56
2,4-Dinitrotoluene
Concen: 6.42 ng
RT: 9.91 min Scan# 667
Delta R.T. -0.24 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Tgt Ion:165 Resp: 27215
Ion Ratio Lower Upper
165 100
63 1.3 35.4 53.0#
89 1.6 61.9 92.9#
182 0.0 1.9 2.9#



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 797

Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

Instrument :

BNA_F

ClientSampled :

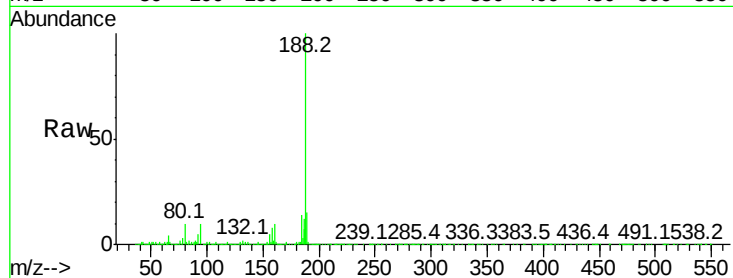
Tot Ion:188 Resp: 356642

Ion Ratio Lower Upper

188 100

94 9.8 7.0 10.6

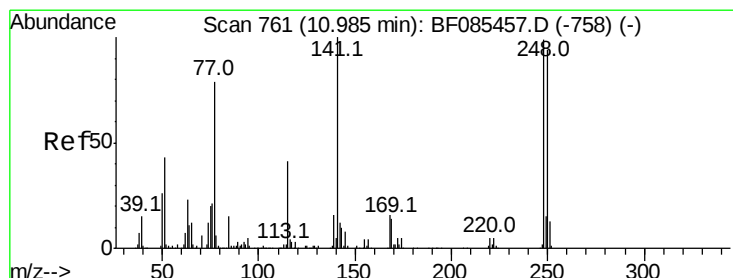
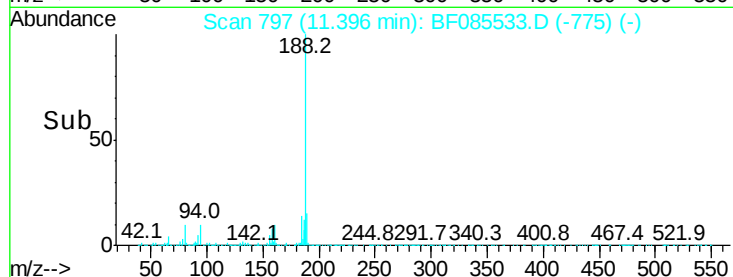
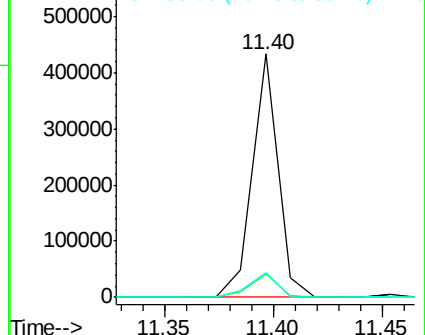
80 10.1 7.4 11.0



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: 4.86 ng

RT: 10.70 min Scan# 736

Delta R.T. -0.29 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

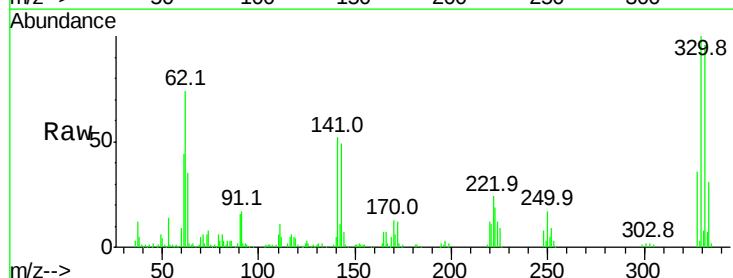
Tgt Ion:248 Resp: 17534

Ion Ratio Lower Upper

248 100

250 208.0 77.1 115.7#

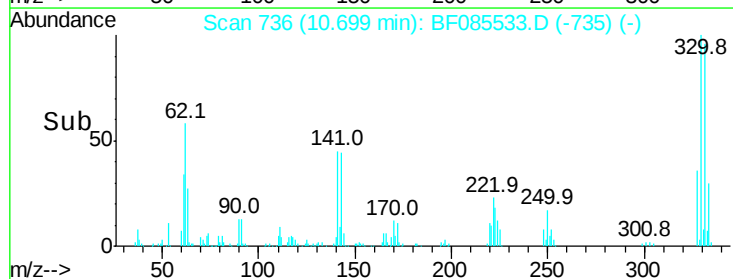
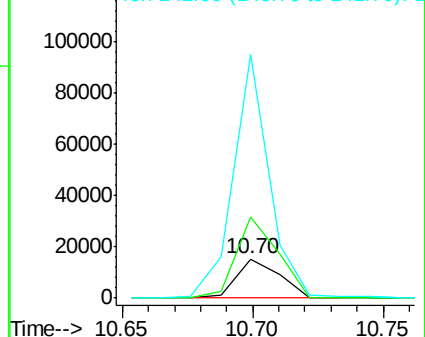
141 624.0 66.2 99.2#

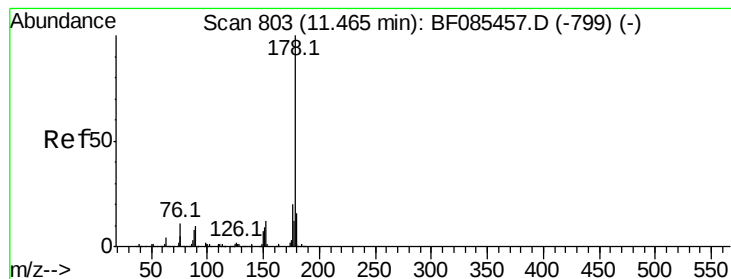


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 3.97 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

Instrument :

BNA_F

ClientSampleId :

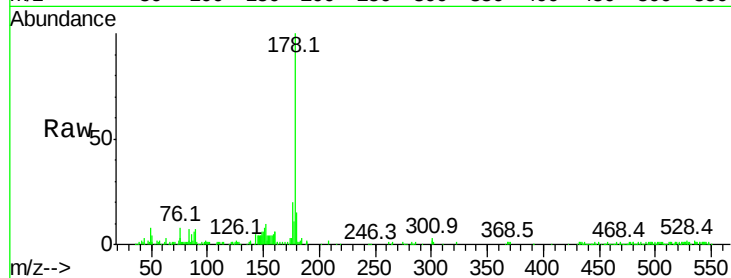
Tot Ion:178 Resp: 73658

Ion Ratio Lower Upper

178 100

176 19.6 16.8 25.2

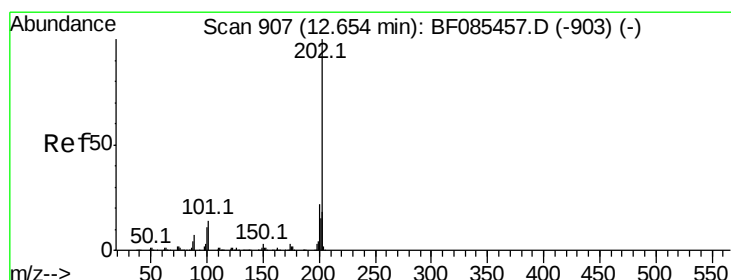
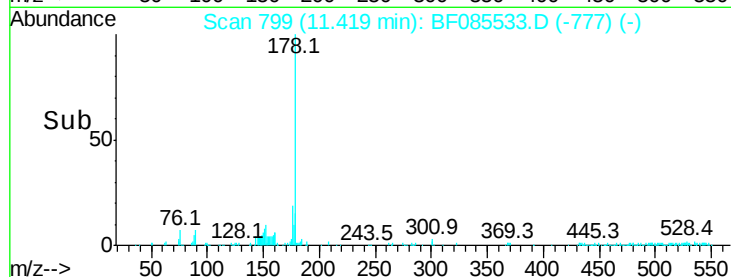
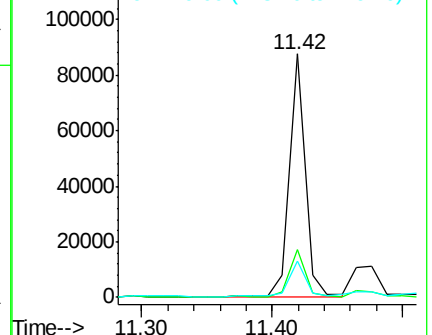
179 14.9 13.1 19.7



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: 10.85 ng

RT: 12.61 min Scan# 903

Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

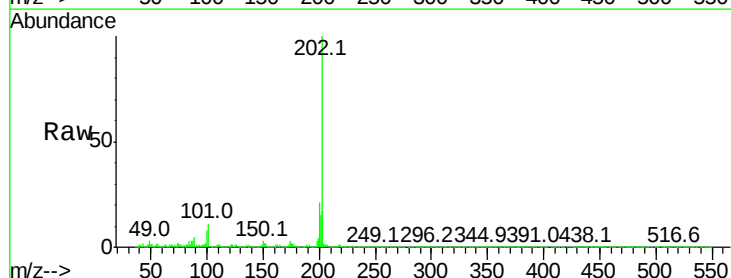
Tgt Ion:202 Resp: 189431

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.8

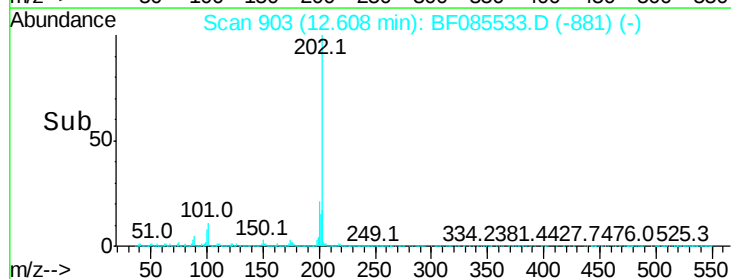
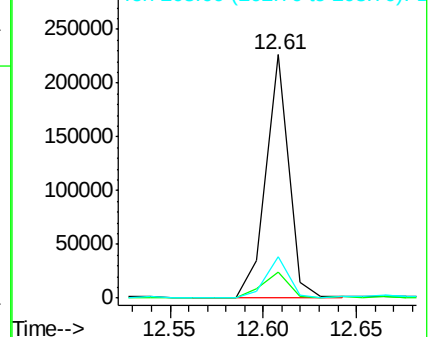
203 17.2 0.0 38.4

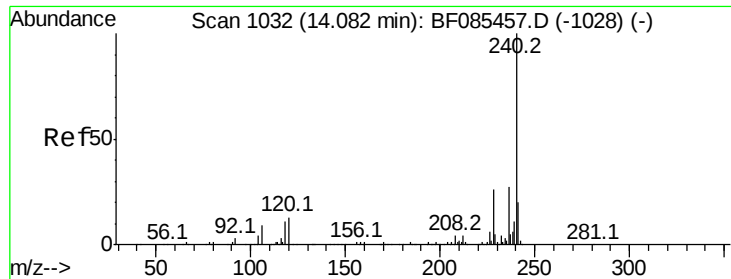


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.04 min Scan# 1028

Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

Instrument :

BNA_F

ClientSampleId :

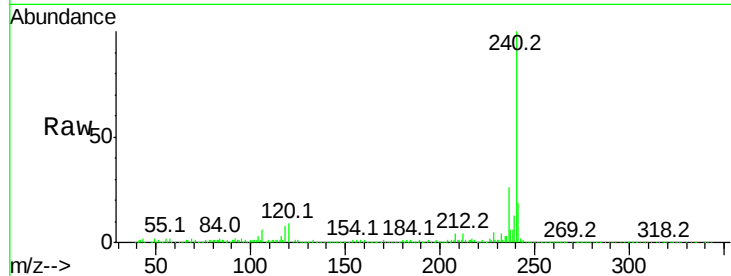
Tot Ion:240 Resp: 335915

Ion Ratio Lower Upper

240 100

120 9.3 5.3 7.9#

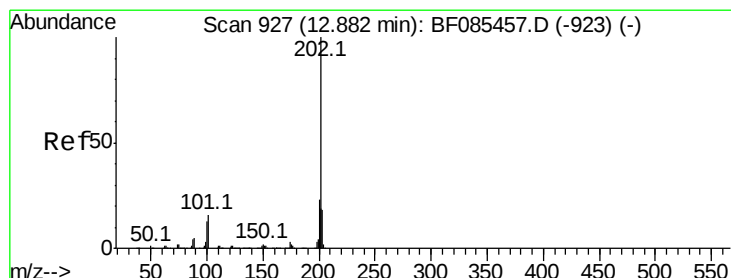
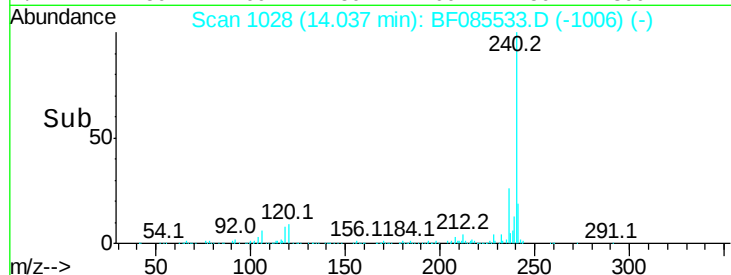
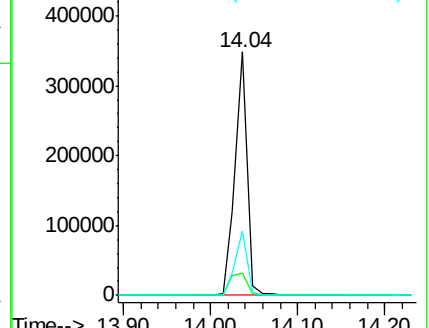
236 26.3 20.7 31.1



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: 7.47 ng

RT: 12.84 min Scan# 923

Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

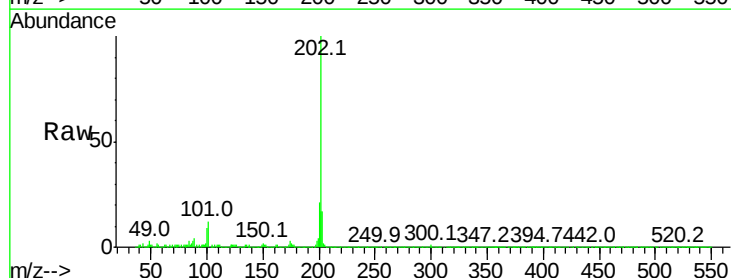
Tgt Ion:202 Resp: 188253

Ion Ratio Lower Upper

202 100

200 21.0 18.2 27.4

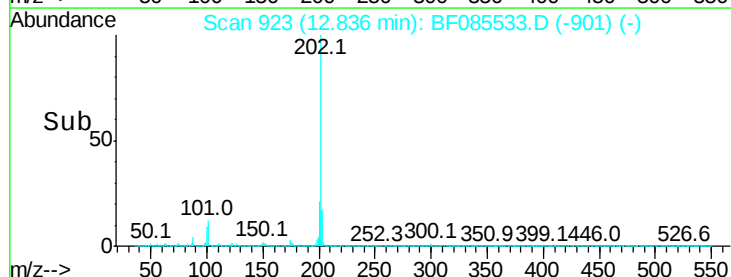
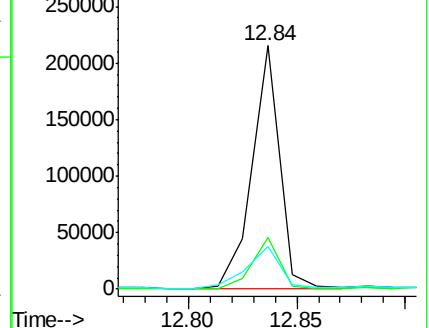
203 17.4 14.7 22.1

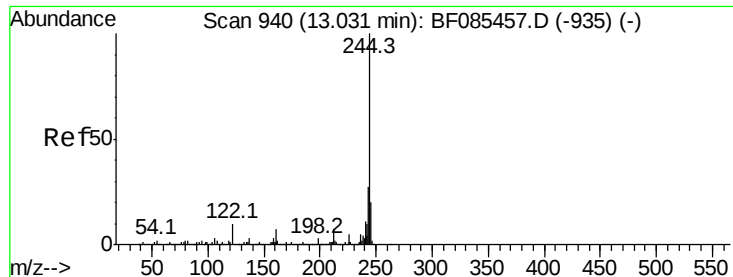


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.64 ng

RT: 12.99 min Scan# 936

Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

Instrument :

BNA_F

ClientSampleId :

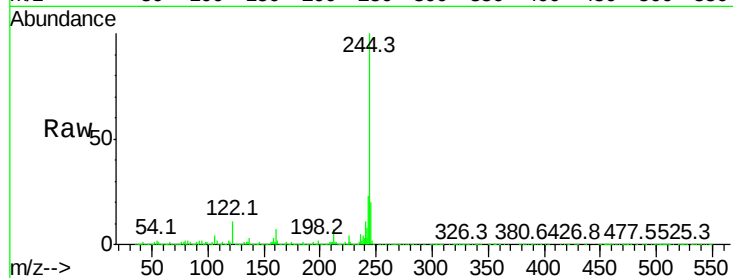
Tot Ion:244 Resp: 1019303

Ion Ratio Lower Upper

244 100

212 7.2 6.4 9.6

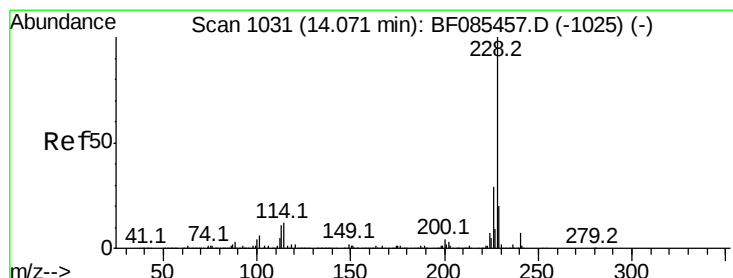
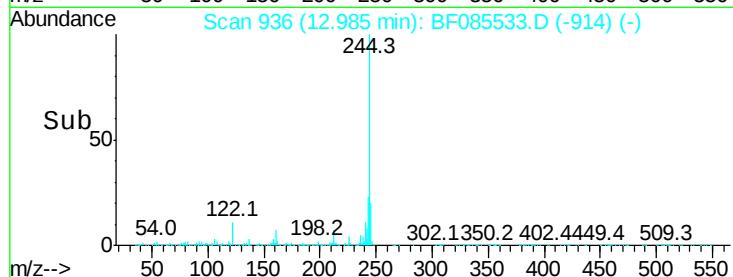
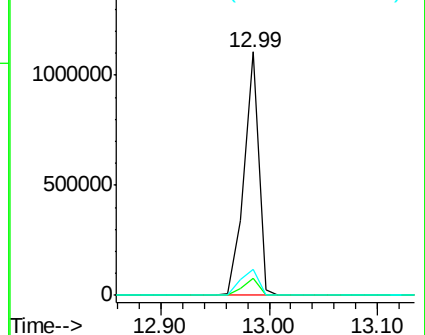
122 10.6 11.4 17.2#



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: 6.51 ng

RT: 14.03 min Scan# 1027

Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

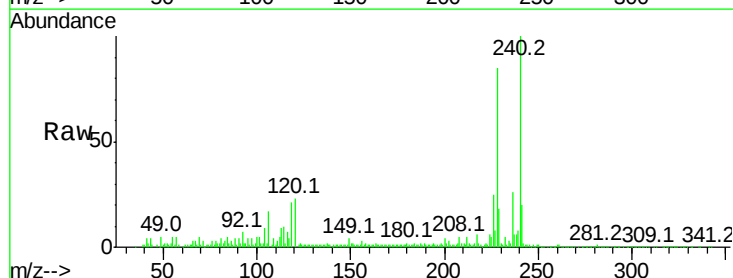
Tgt Ion:228 Resp: 125437

Ion Ratio Lower Upper

228 100

226 29.8 22.8 34.2

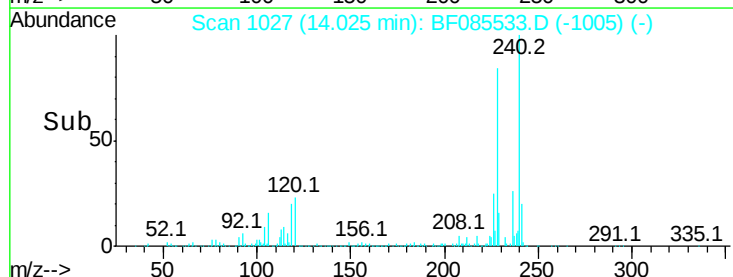
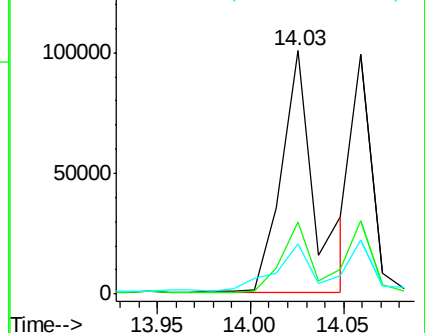
229 20.9 16.6 24.8

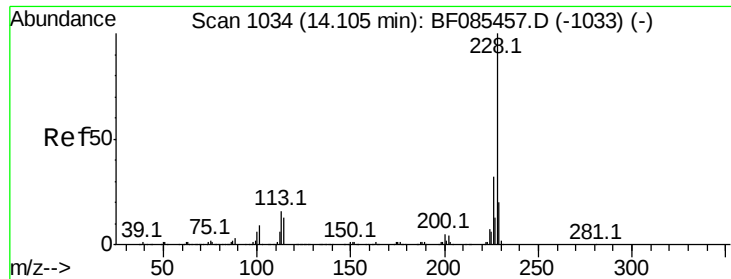


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

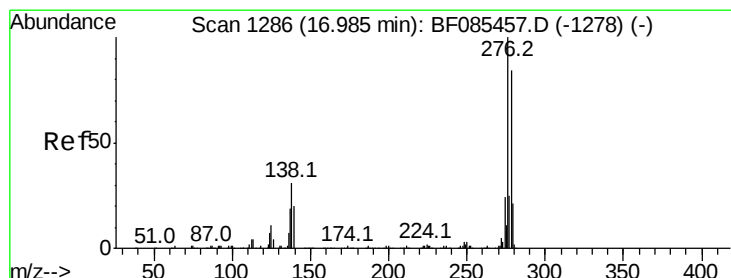
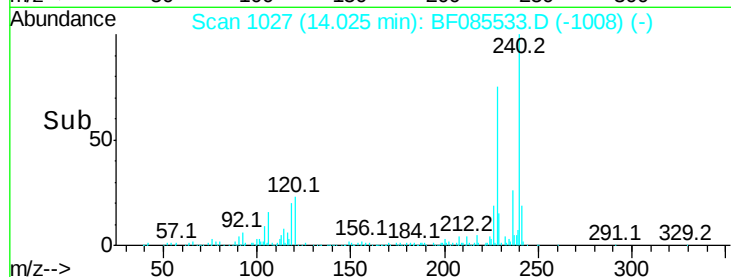
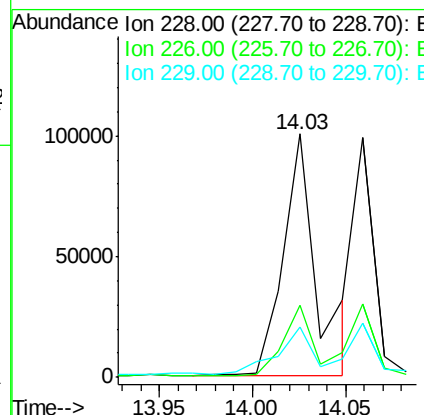
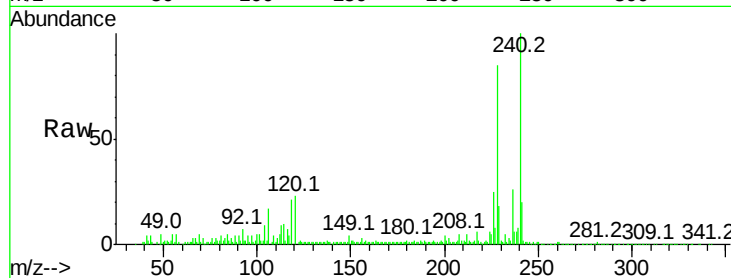




#82
Chrysene
Concen: 7.24 ng
RT: 14.03 min Scan# 1027
Delta R.T. -0.08 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

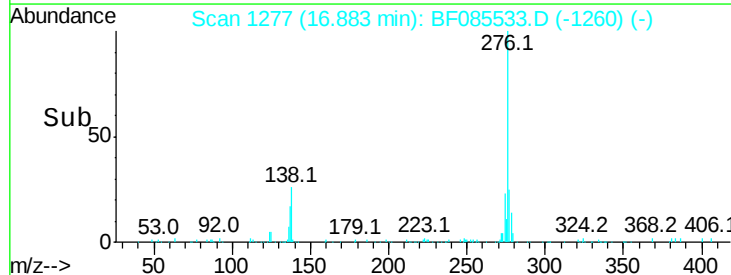
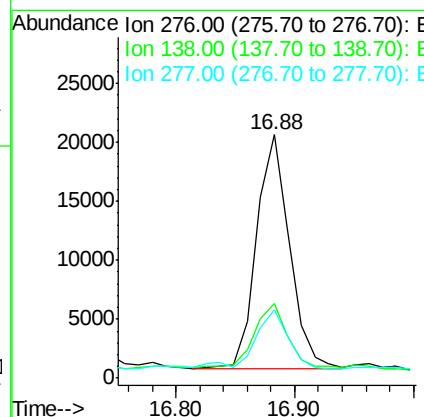
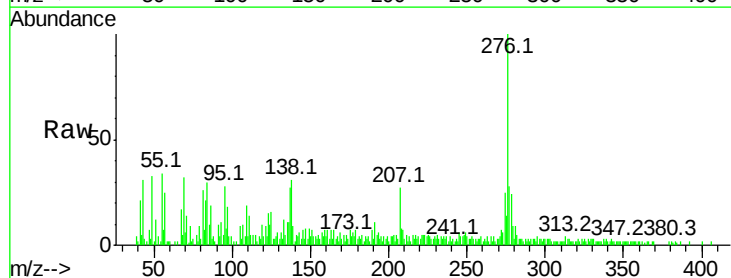
Instrument :
BNA_F
ClientSampleId :

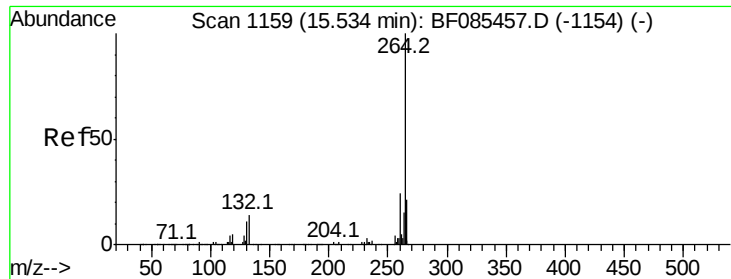
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.2	37.8
229	20.9	16.0	24.0



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.35 ng
RT: 16.88 min Scan# 1277
Delta R.T. -0.10 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.6	26.4	39.6
277	30.2	20.2	30.2

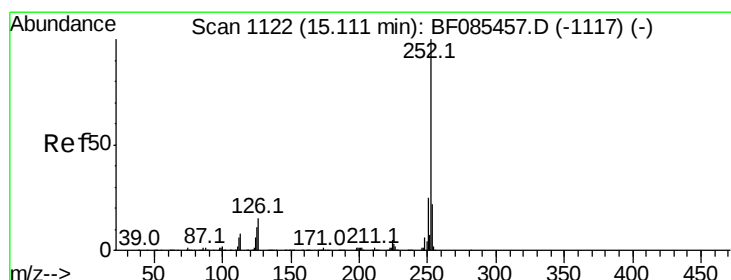
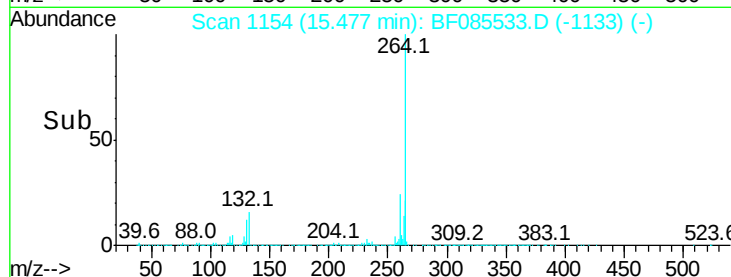
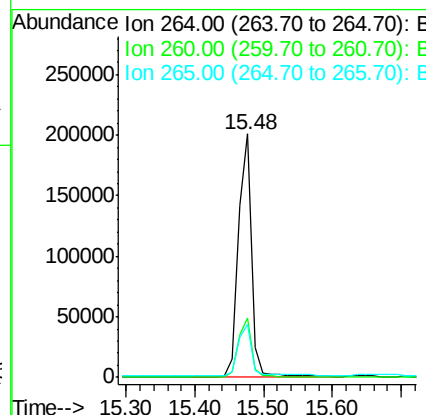
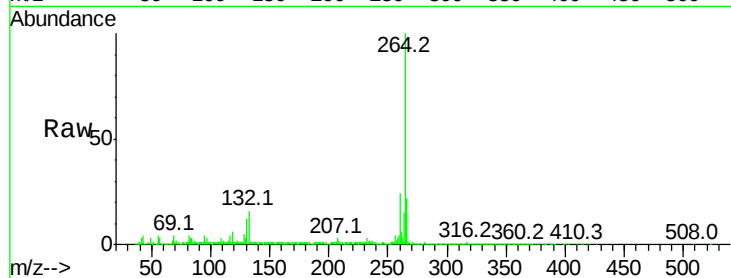




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1154
Delta R.T. -0.06 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

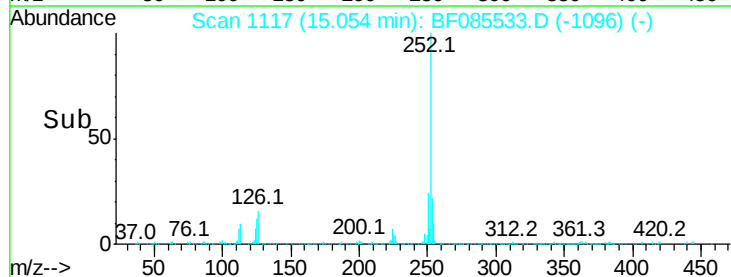
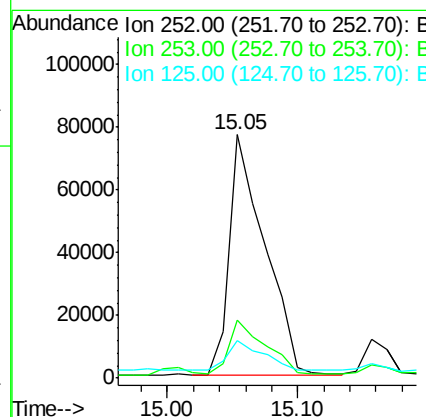
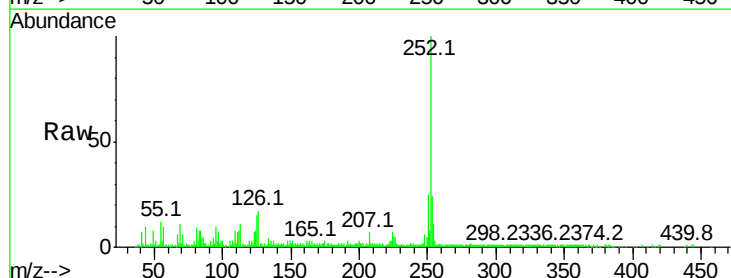
Instrument :
BNA_F
ClientSampleId :

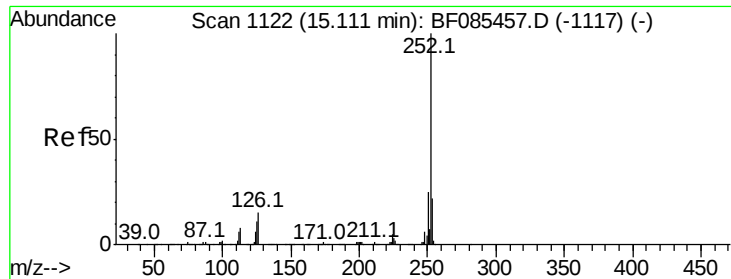
Tot Ion:264 Resp: 269331
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.7 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 8.34 ng
RT: 15.05 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Tgt Ion:252 Resp: 146751
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 15.3 11.3 16.9

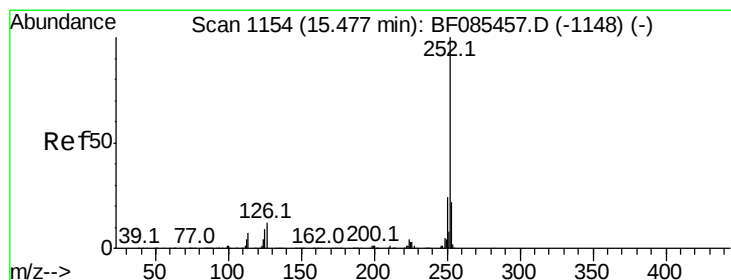
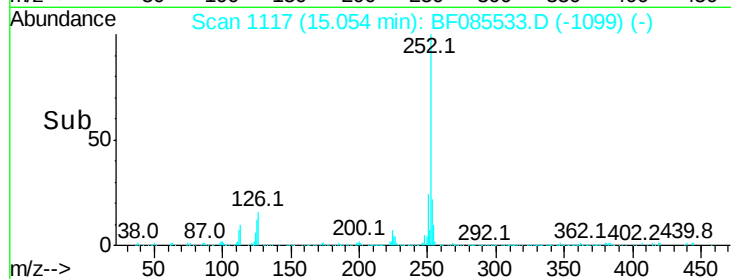
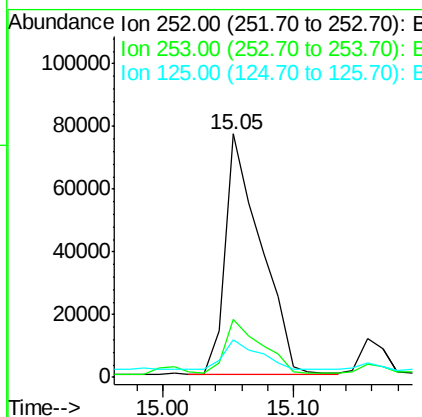
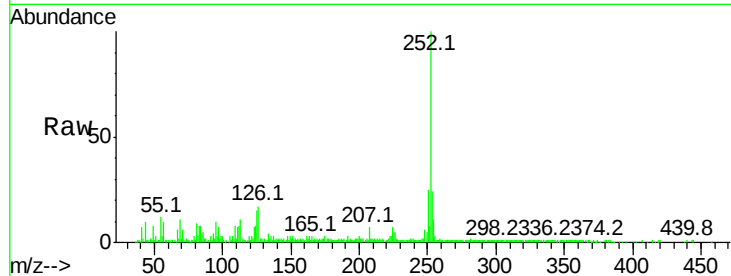




#88
Benzo(k)fluoranthene
Concen: 10.65 ng
RT: 15.05 min Scan# 1117
Delta R.T. -0.09 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

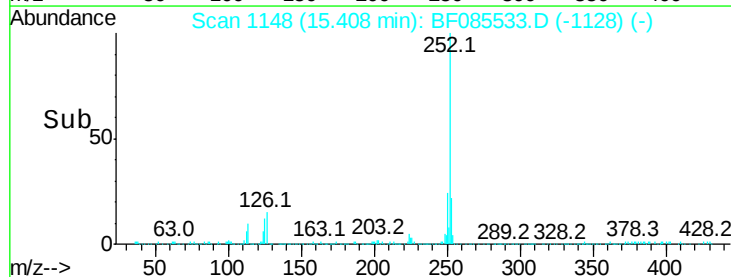
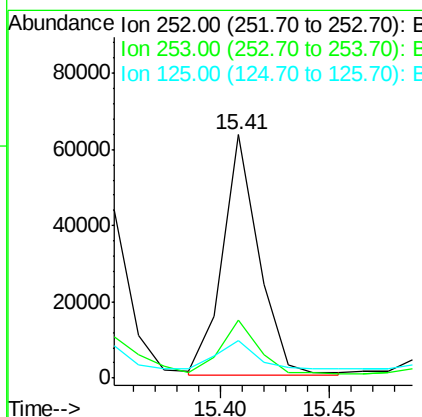
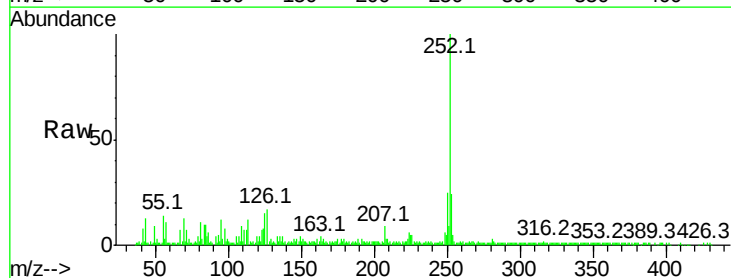
Instrument :
BNA_F
ClientSampleId :

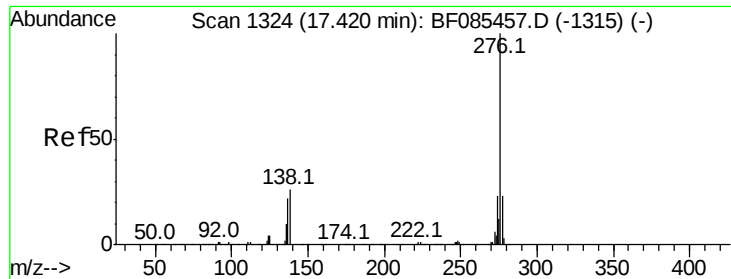
Tot Ion:252 Resp: 146751
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 15.3 10.4 15.6



#89
Benzo(a)pyrene
Concen: 4.77 ng
RT: 15.41 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Tgt Ion:252 Resp: 72494
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 15.5 8.2 12.4#

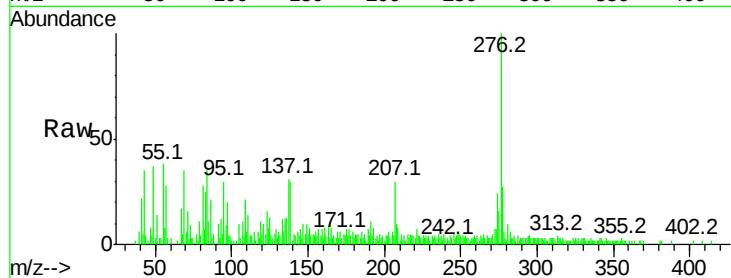




#91
 Benzo(a,h,i)perylene
 Concen: 2.48 ng
 RT: 17.31 min Scan# 1314
 Delta R.T. -0.11 min
 Lab File: BF085533.D
 Acq: 18 Mar 2016 12:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.2	19.0	28.4
138	30.1	22.5	33.7



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

