

Data Path : Z:\HPCHEM1\BNA F\Data\BF031716\
 Data File : BF085531.D
 Acq On : 18 Mar 2016 11:33
 Operator : UM/SJ
 Sample : H1730-02RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 18 11:20:13 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

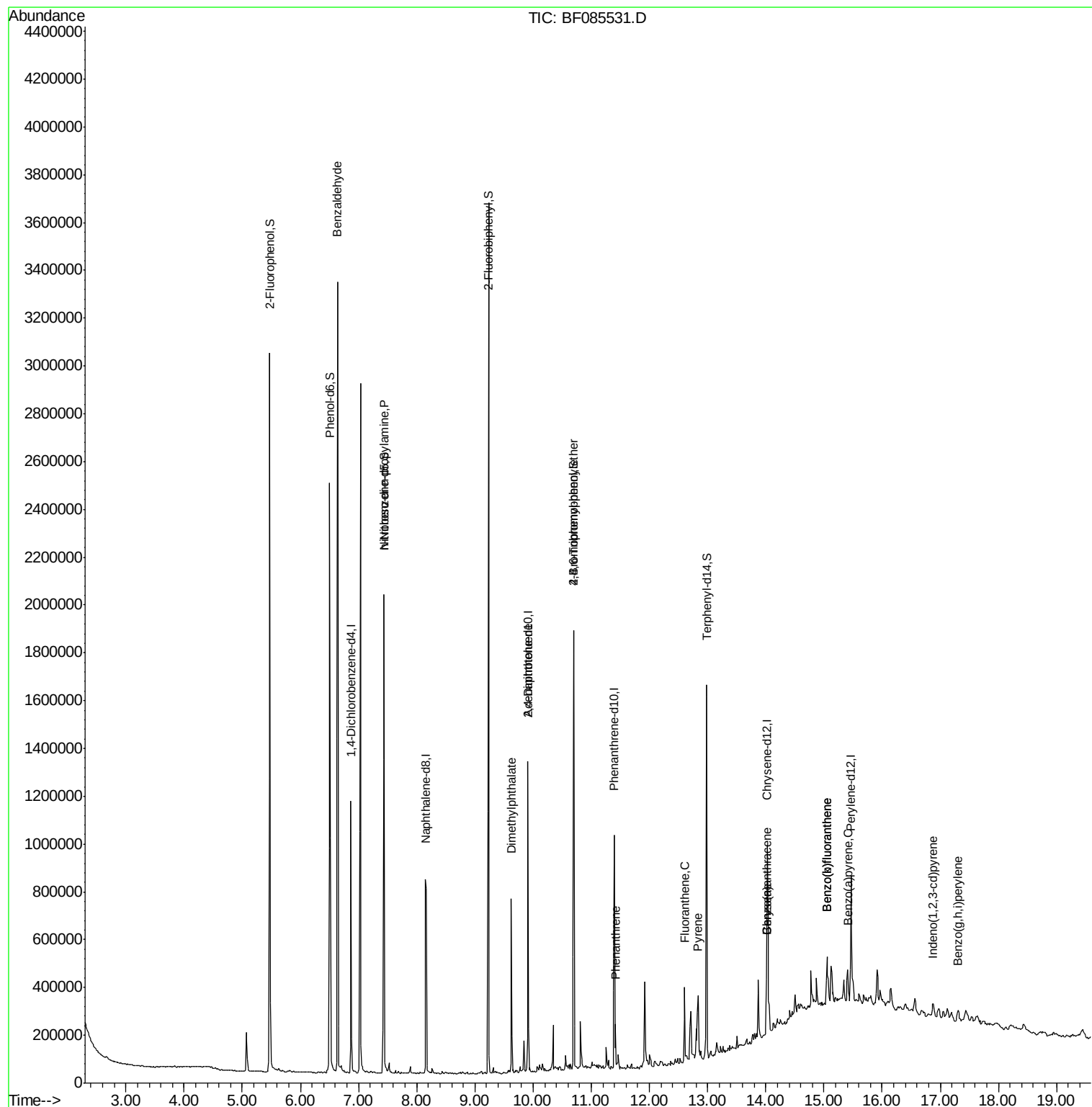
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	163666	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	570150	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	235768	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	369366	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	278078	20.00	ng	-0.06
86) Perylene-d12	15.47	264	258727	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	978641	102.79	ng	-0.03
7) Phenol-d6	6.50	99	1235928	100.07	ng	-0.05
23) Nitrobenzene-d5	7.44	82	888301	92.12	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	210930	97.13	ng	-0.06
44) 2-Fluorobiphenyl	9.24	172	1117325	82.22	ng	-0.05
78) Terphenyl-d14	12.98	244	723098	58.82	ng	-0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.64	77	22609	3.28	ng	85
19) n-Nitroso-di-n-propylamine	7.44	70	116077	15.69	ng	# 74
49) Dimethylphthalate	9.62	163	270859	15.75	ng	99
56) 2,4-Dinitrotoluene	9.91	165	30309	6.36	ng	# 22
66) 4-Bromophenyl-phenylether	10.70	248	14621	3.91	ng	# 1
70) Phenanthrene	11.42	178	68201	3.55	ng	96
74) Fluoranthene	12.61	202	150098	8.30	ng	94
77) Pyrene	12.84	202	138302	6.63	ng	97
80) Benzo(a)anthracene	14.01	228	88626	5.56	ng	97
82) Chrysene	14.01	228	88626	6.18	ng	96
85) Indeno(1,2,3-cd)pyrene	16.87	276	39848	2.93	ng	91
87) Benzo(b)fluoranthene	15.05	252	132673	7.85	ng	97
88) Benzo(k)fluoranthene	15.05	252	132673	10.02	ng	96
89) Benzo(a)pyrene	15.41	252	70901	4.86	ng	# 95
91) Benzo(a,h,i)perylene	17.31	276	39446	2.71	ng	97

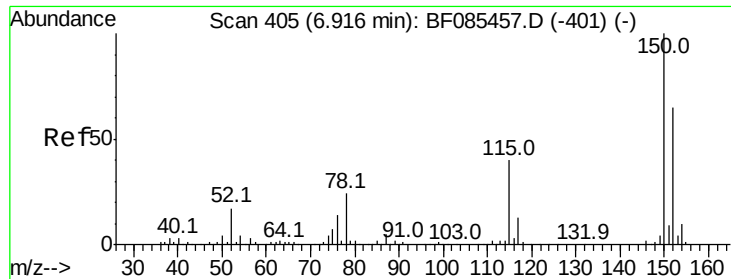
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Instrument :

BNA_F

ClientSampleId :

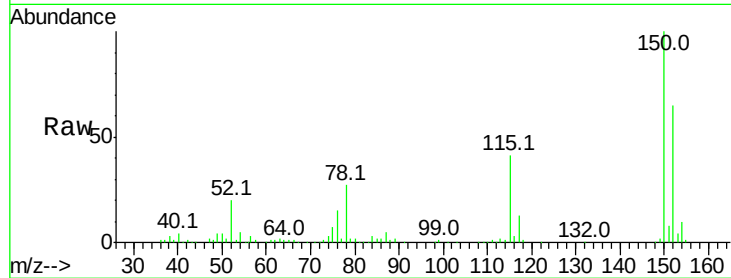
Tot Ion:152 Resp: 163666

Ion Ratio Lower Upper

152 100

150 154.8 124.6 186.8

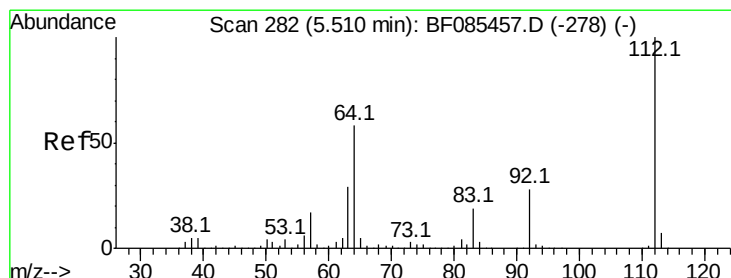
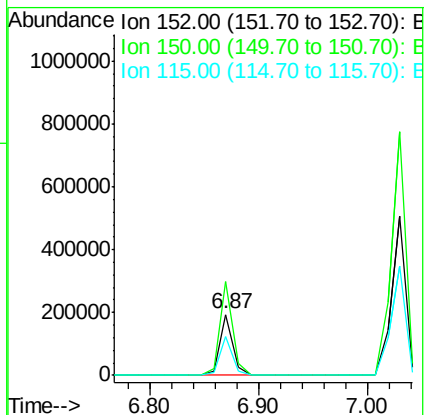
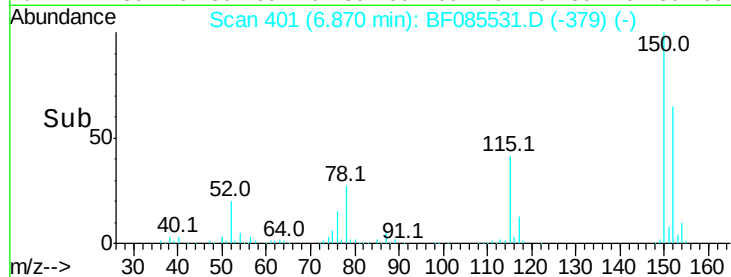
115 64.1 46.6 70.0



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: 102.79 ng

RT: 5.48 min Scan# 279

Delta R.T. -0.03 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

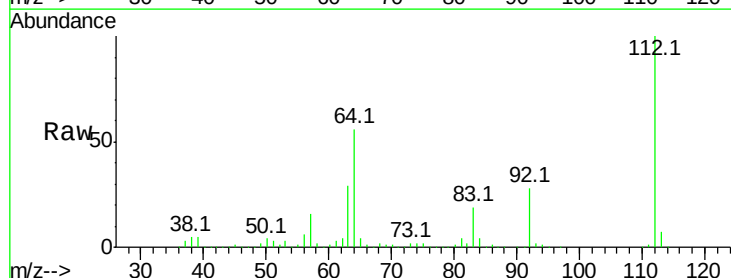
Tgt Ion:112 Resp: 978641

Ion Ratio Lower Upper

112 100

64 55.7 49.0 73.4

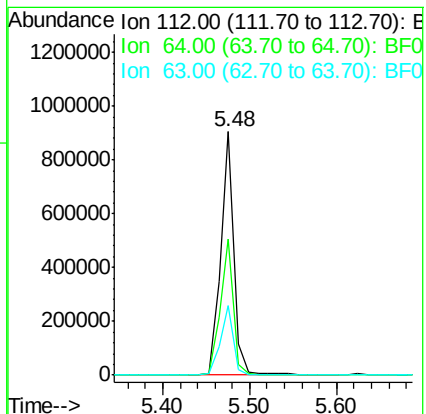
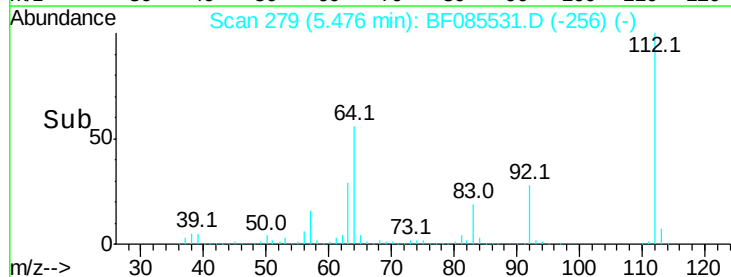
63 28.7 24.8 37.2

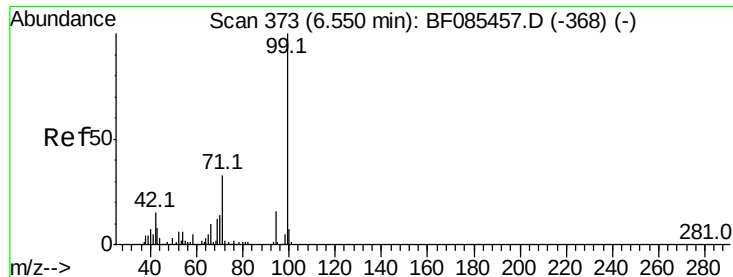


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 100.07 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.05 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Instrument :

BNA_F

ClientSampleId :

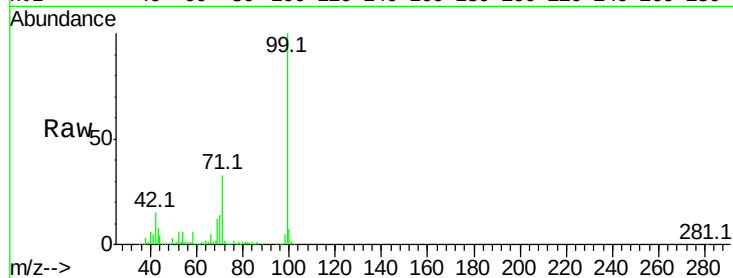
Tot Ion: 99 Resp: 1235928

Ion Ratio Lower Upper

99 100

42 15.5 13.6 20.4

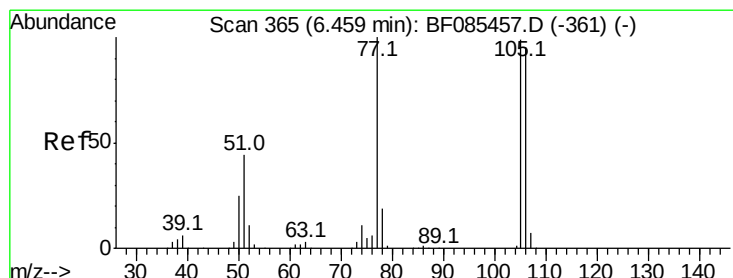
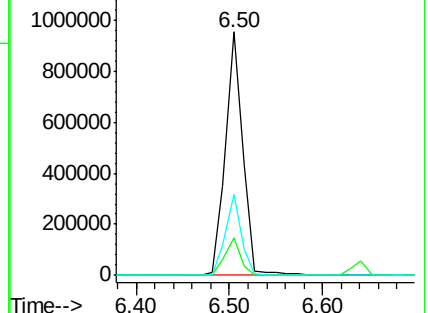
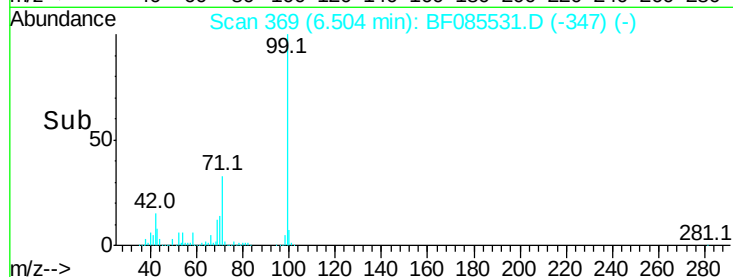
71 33.3 26.7 40.1



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: 3.28 ng

RT: 6.64 min Scan# 381

Delta R.T. 0.18 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

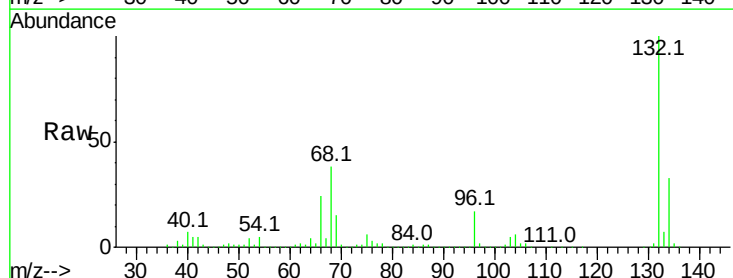
Tgt Ion: 77 Resp: 22609

Ion Ratio Lower Upper

77 100

105 81.9 78.2 118.2

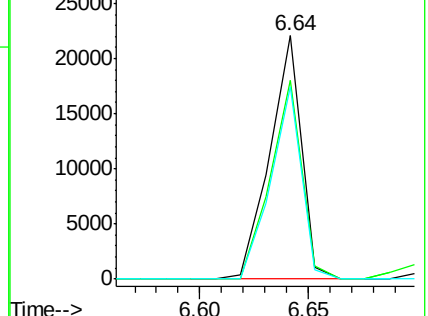
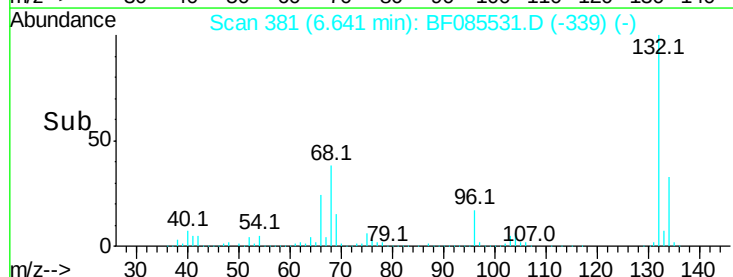
106 79.2 72.9 112.9

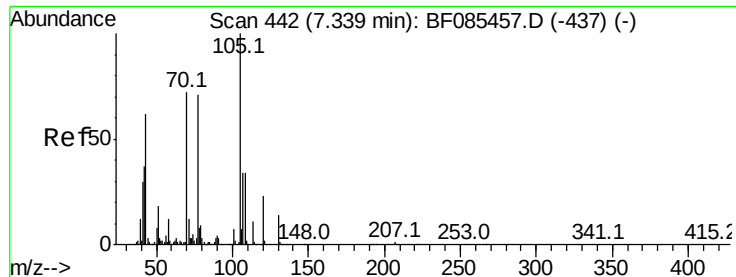


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

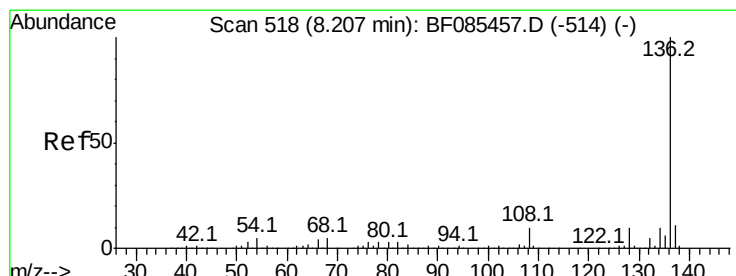
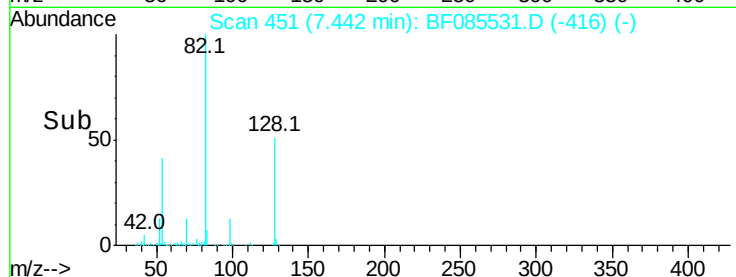
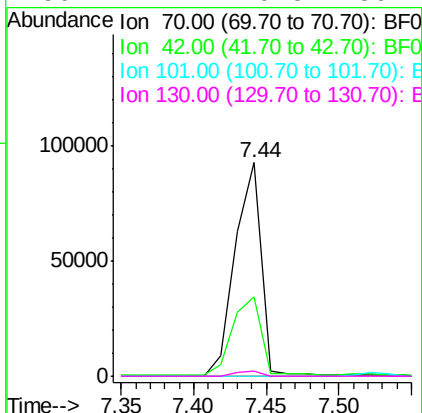
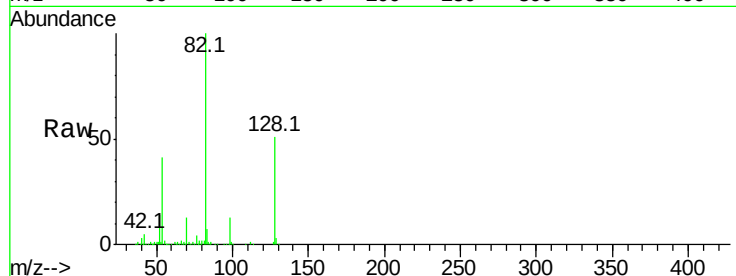




#19
n-Nitroso-di-n-propylamine
Concen: 15.69 ng
RT: 7.44 min Scan# 451
Delta R.T. 0.10 min
Lab File: BF085531.D
Acq: 18 Mar 2016 11:33

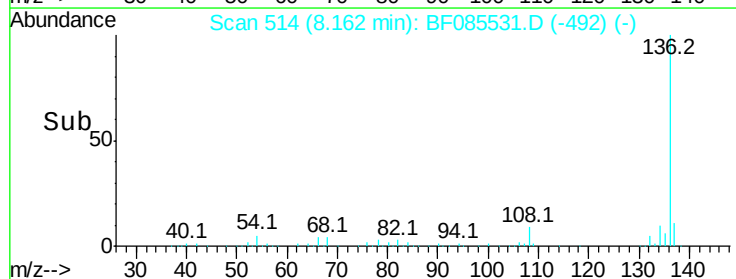
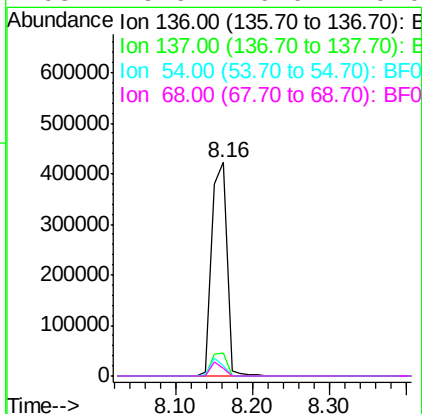
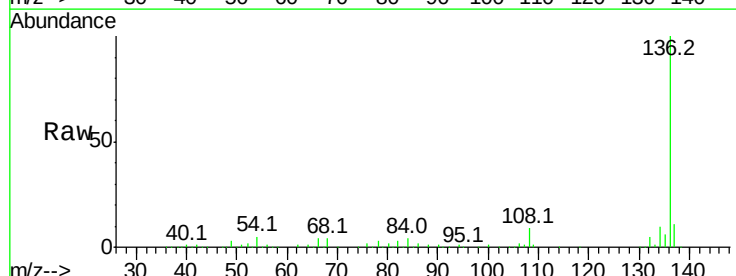
Instrument :
BNA_F
ClientSampled :

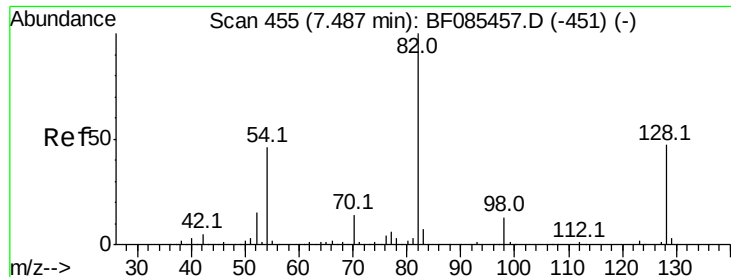
Tot Ion: 70 Resp: 116077
Ion Ratio Lower Upper
70 100
42 37.2 37.7 56.5#
101 0.0 8.2 12.4#
130 2.4 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.05 min
Lab File: BF085531.D
Acq: 18 Mar 2016 11:33

Tgt Ion: 136 Resp: 570150
Ion Ratio Lower Upper
136 100
137 10.5 9.3 13.9
54 4.6 7.4 11.2#
68 3.9 6.0 9.0#





#23

Nitrobenzene-d5

Concen: 92.12 ng

RT: 7.44 min Scan# 451

Delta R.T. -0.05 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Instrument :

BNA_F

ClientSampleId :

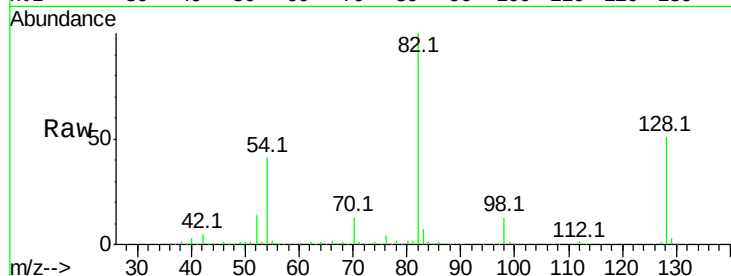
Tot Ion: 82 Resp: 888301

Ion Ratio Lower Upper

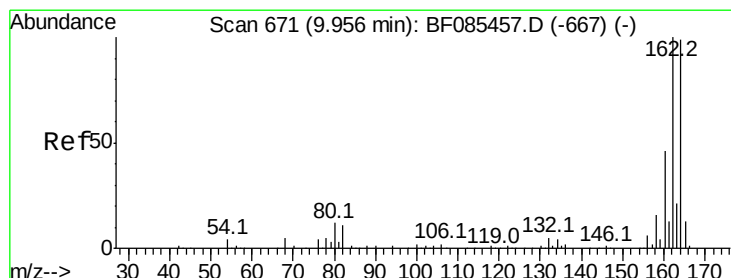
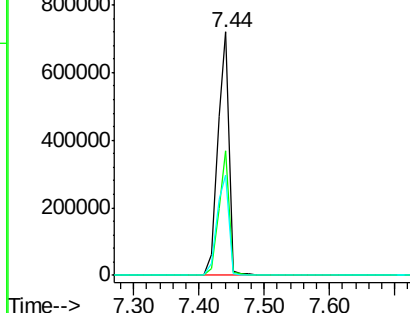
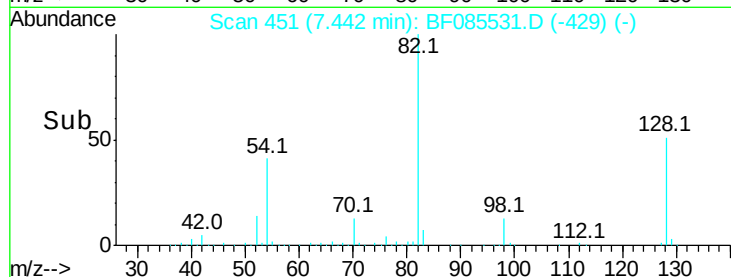
82 100

128 51.1 34.5 51.7

54 41.1 39.3 58.9



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 667

Delta R.T. -0.05 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

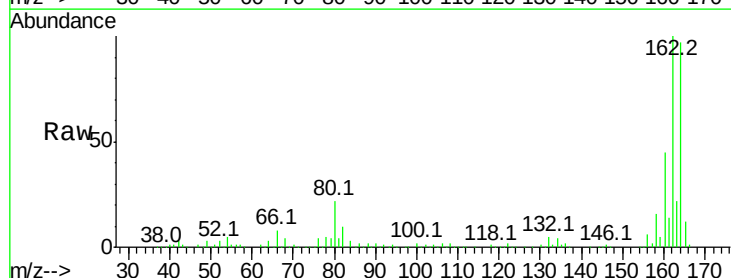
Tgt Ion: 164 Resp: 235768

Ion Ratio Lower Upper

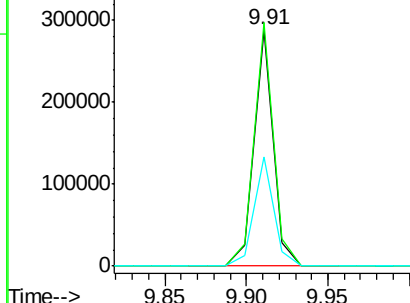
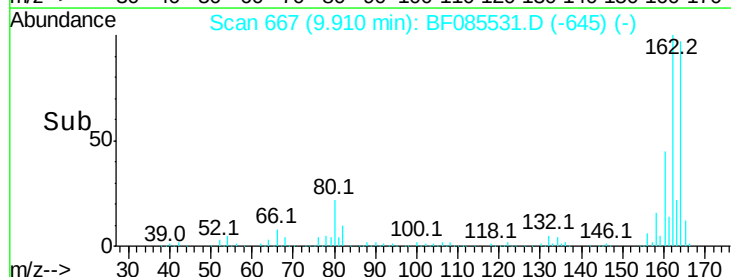
164 100

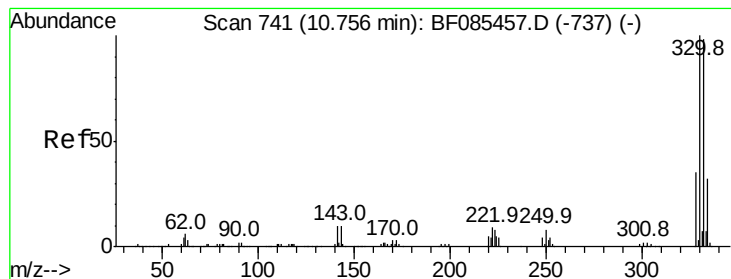
162 103.1 83.3 124.9

160 46.2 37.9 56.9



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

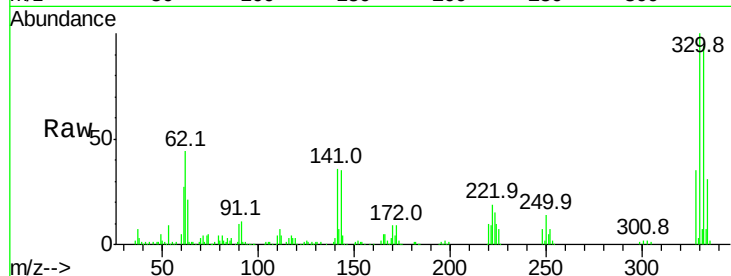




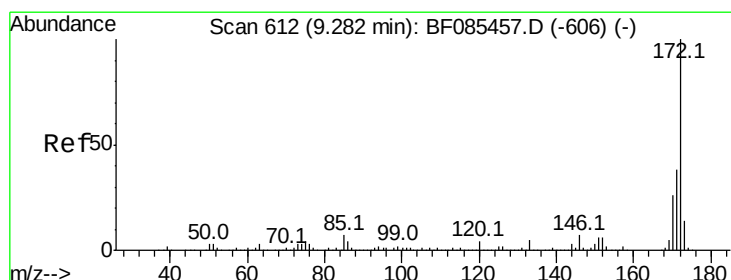
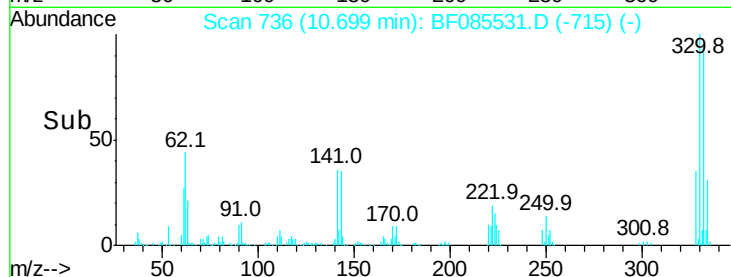
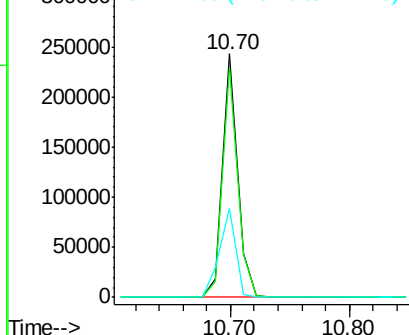
#41
 2,4,6-Tribromophenol
 Concen: 97.13 ng
 RT: 10.70 min Scan# 736
 Delta R.T. -0.06 min
 Lab File: BF085531.D
 Acq: 18 Mar 2016 11:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 210930
 Ion Ratio Lower Upper
 330 100
 332 94.5 77.1 115.7
 141 40.4 35.0 52.6

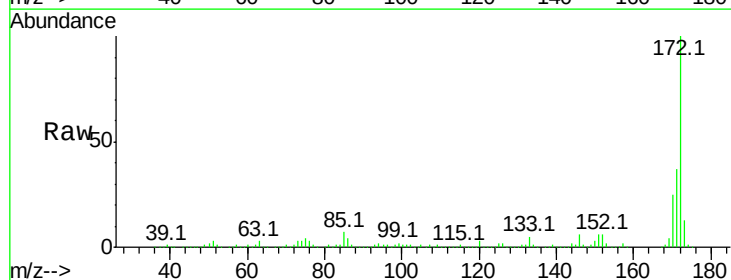


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

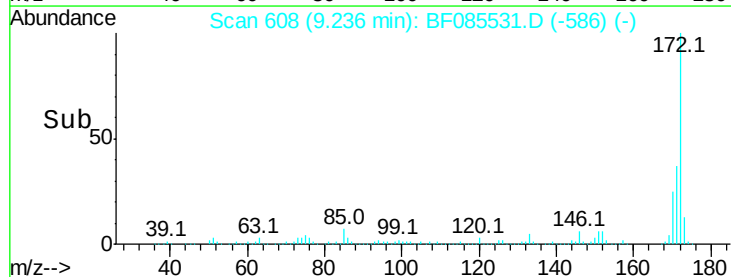
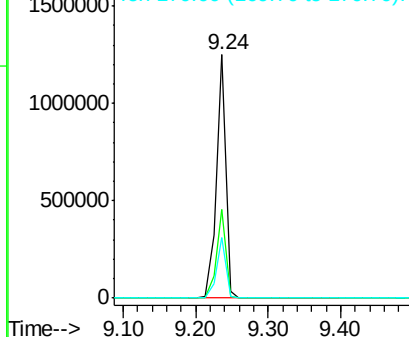


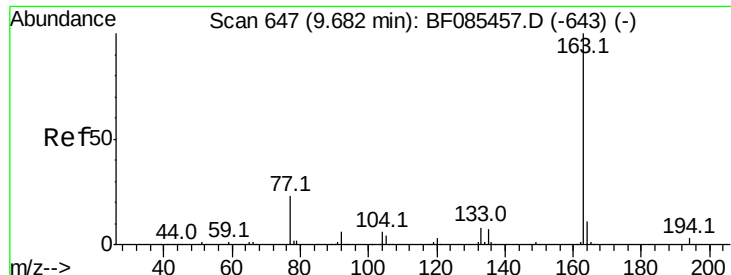
#44
 2-Fluorobiphenyl
 Concen: 82.22 ng
 RT: 9.24 min Scan# 608
 Delta R.T. -0.05 min
 Lab File: BF085531.D
 Acq: 18 Mar 2016 11:33

Tgt Ion:172 Resp: 1117325
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.3 43.9
 170 24.8 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

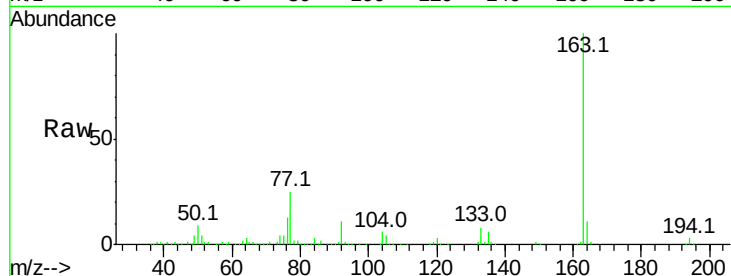




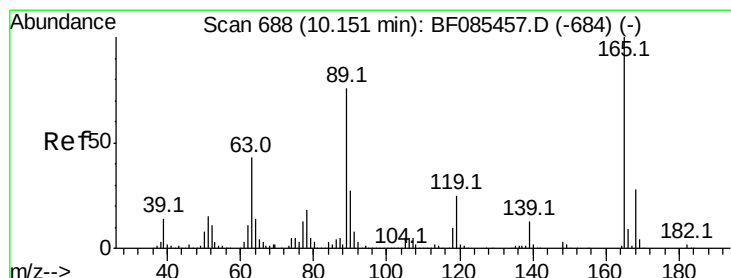
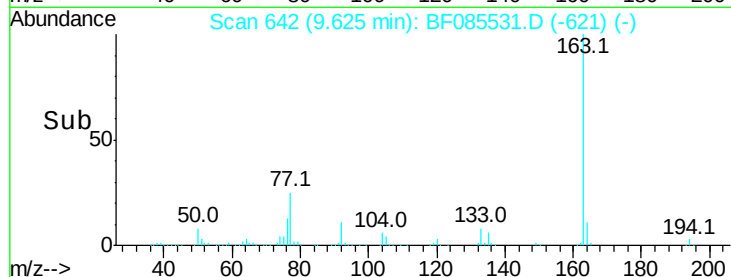
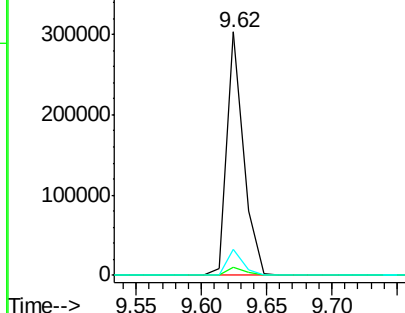
#49
Dimethylphthalate
Concen: 15.75 ng
RT: 9.62 min Scan# 642
Delta R.T. -0.06 min
Lab File: BF085531.D
Acq: 18 Mar 2016 11:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 270859
Ion Ratio Lower Upper
163 100
194 3.2 3.1 4.7
164 10.6 8.2 12.4



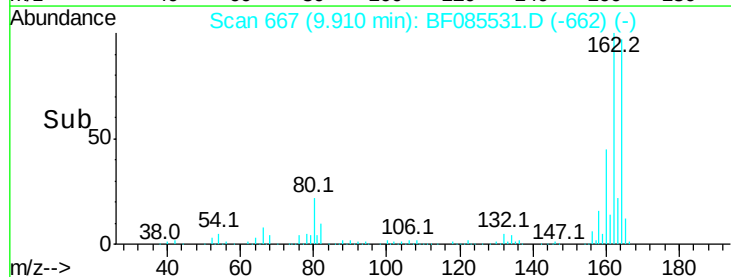
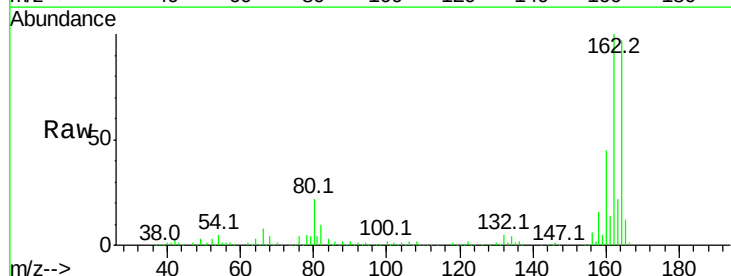
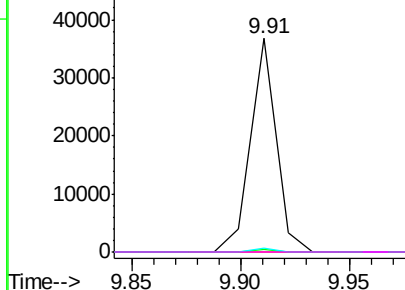
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

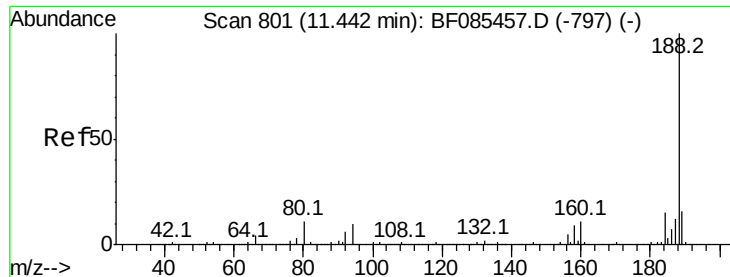


#56
2,4-Dinitrotoluene
Concen: 6.36 ng
RT: 9.91 min Scan# 667
Delta R.T. -0.24 min
Lab File: BF085531.D
Acq: 18 Mar 2016 11:33

Tgt Ion:165 Resp: 30309
Ion Ratio Lower Upper
165 100
63 1.4 35.4 53.0#
89 1.7 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

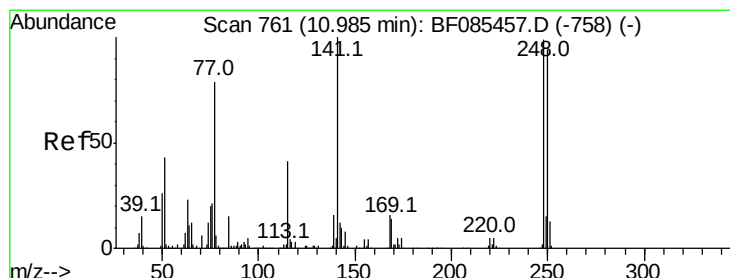
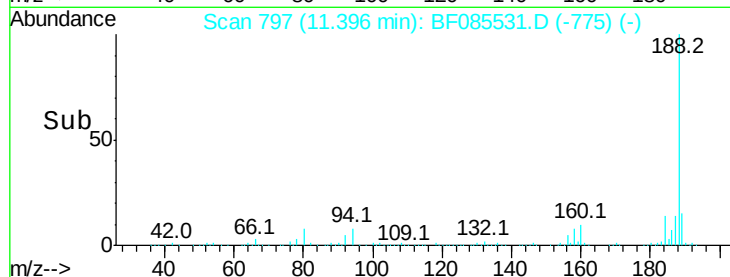
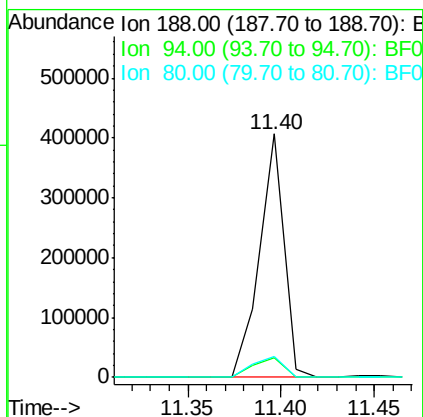
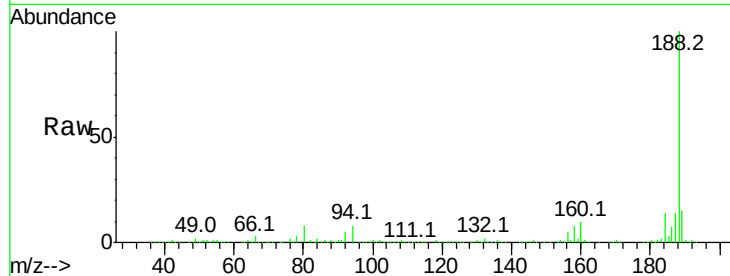




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 797
 Delta R.T. -0.05 min
 Lab File: BF085531.D
 Acq: 18 Mar 2016 11:33

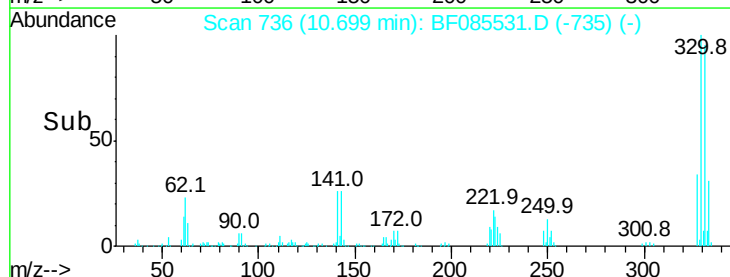
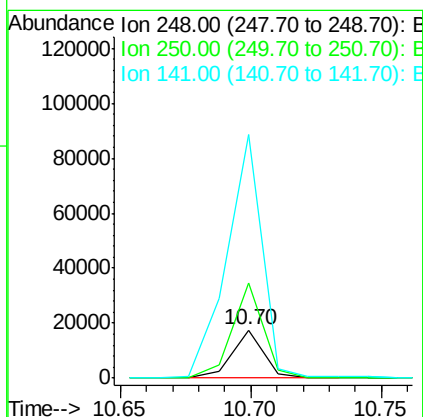
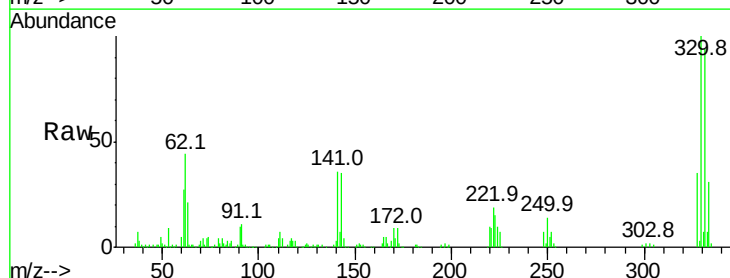
Instrument :
 BNA_F
 ClientSampled :

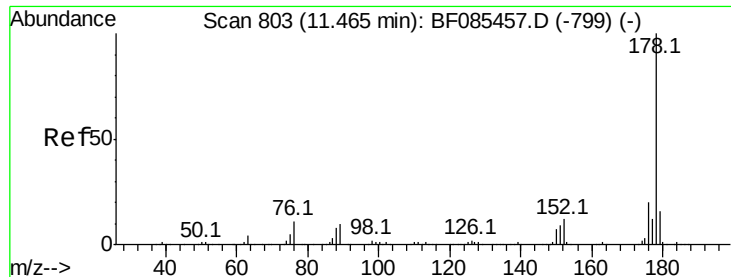
Tot Ion:188 Resp: 369366
 Ion Ratio Lower Upper
 188 100
 94 8.2 7.0 10.6
 80 8.5 7.4 11.0



#66
 4-Bromophenyl-phenylether
 Concen: 3.91 ng
 RT: 10.70 min Scan# 736
 Delta R.T. -0.29 min
 Lab File: BF085531.D
 Acq: 18 Mar 2016 11:33

Tgt Ion:248 Resp: 14621
 Ion Ratio Lower Upper
 248 100
 250 197.8 77.1 115.7#
 141 507.5 66.2 99.2#

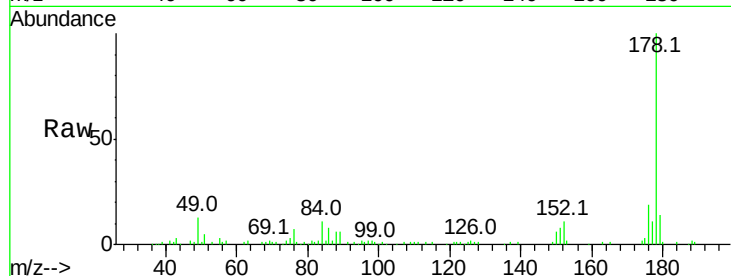




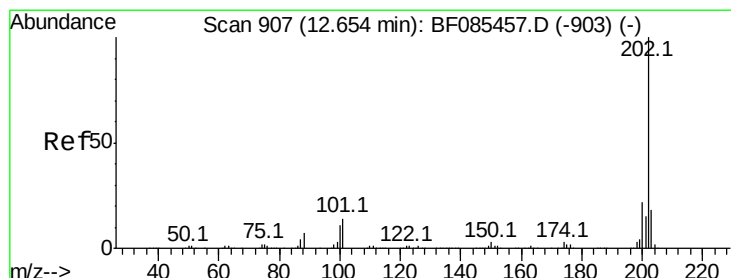
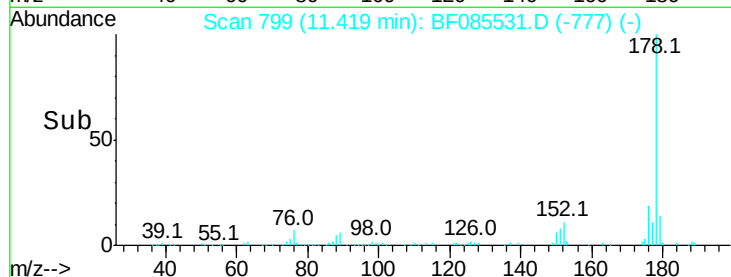
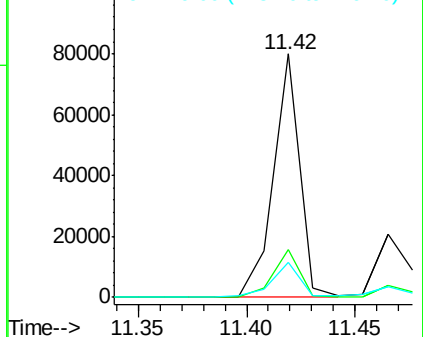
#70
Phenanthrene
Concen: 3.55 ng
RT: 11.42 min Scan# 799
Delta R.T. -0.05 min
Lab File: BF085531.D
Acq: 18 Mar 2016 11:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 68201
Ion Ratio Lower Upper
178 100
176 19.4 16.8 25.2
179 14.5 13.1 19.7

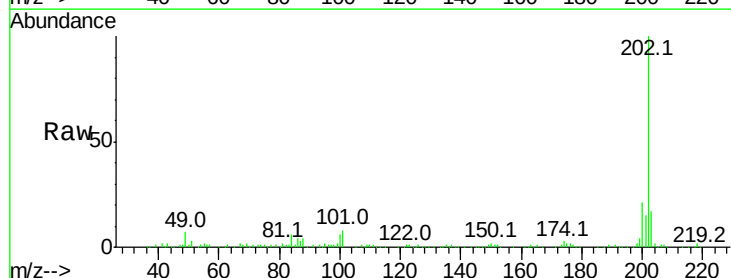


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

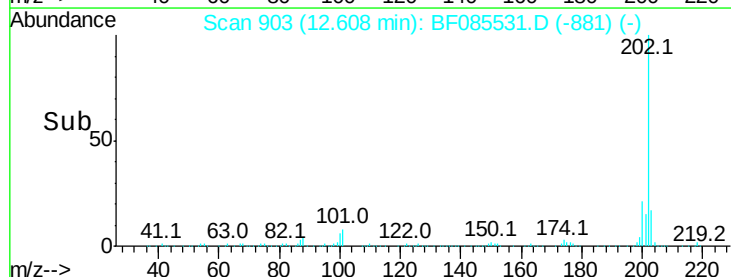
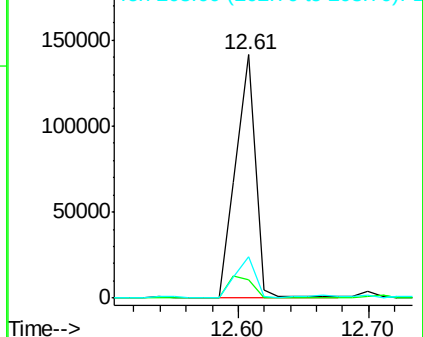


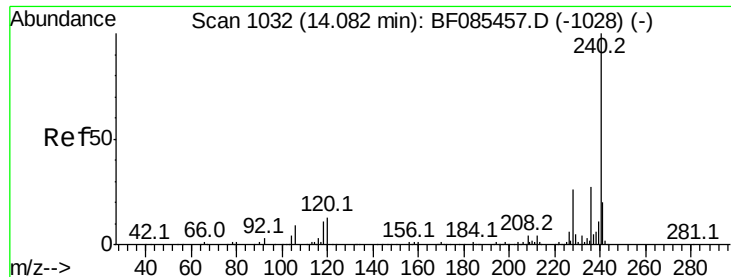
#74
Fluoranthene
Concen: 8.30 ng
RT: 12.61 min Scan# 903
Delta R.T. -0.05 min
Lab File: BF085531.D
Acq: 18 Mar 2016 11:33

Tgt Ion:202 Resp: 150098
Ion Ratio Lower Upper
202 100
101 7.8 0.0 31.8
203 16.9 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: 14.03 min Scan# 1027

Delta R.T. -0.06 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Instrument :

BNA_F

ClientSampleId :

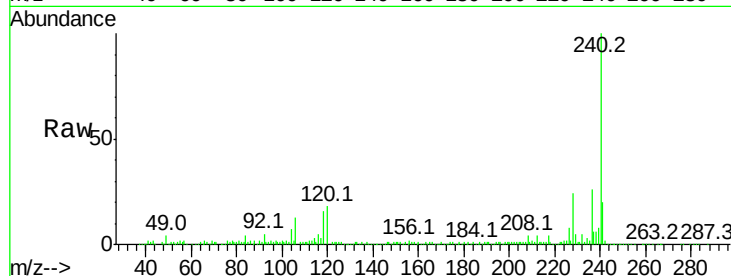
Tot Ion:240 Resp: 278078

Ion Ratio Lower Upper

240 100

120 18.0 5.3 7.9#

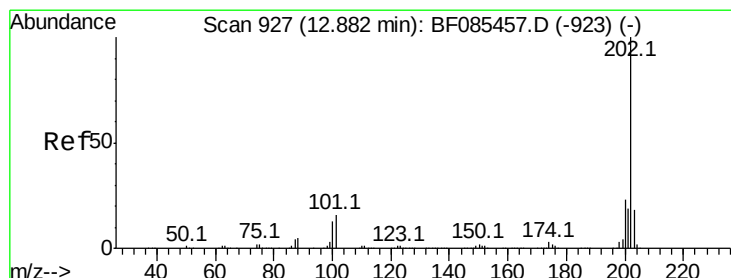
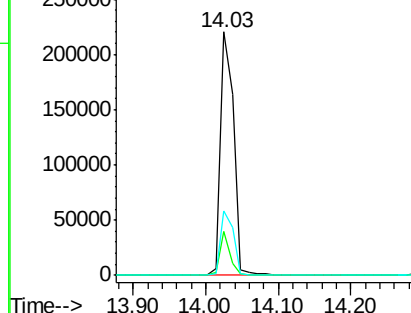
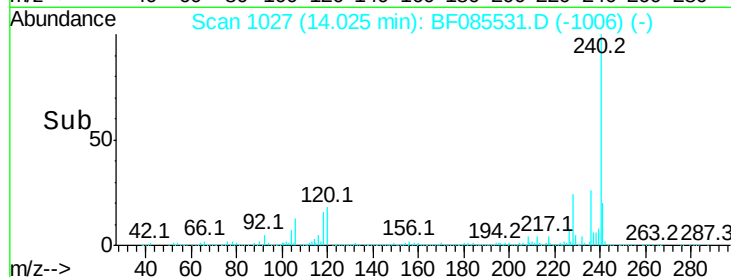
236 26.4 20.7 31.1



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: 6.63 ng

RT: 12.84 min Scan# 923

Delta R.T. -0.05 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

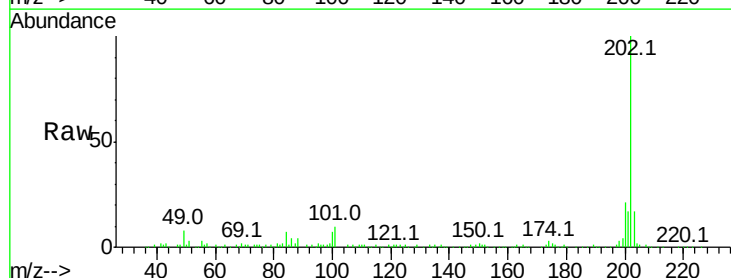
Tgt Ion:202 Resp: 138302

Ion Ratio Lower Upper

202 100

200 20.9 18.2 27.4

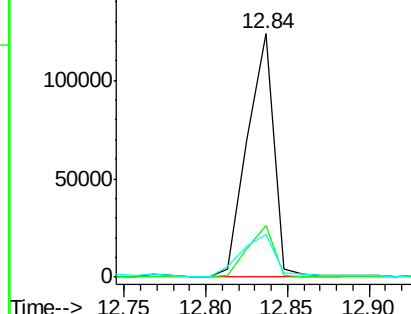
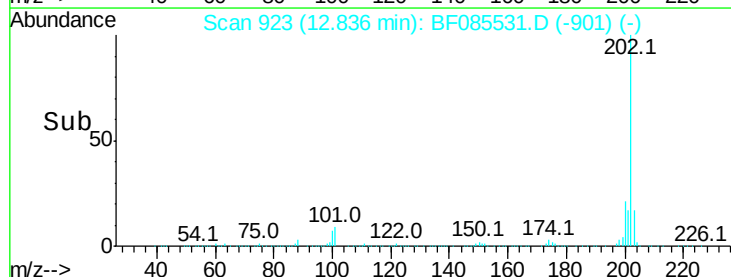
203 17.3 14.7 22.1

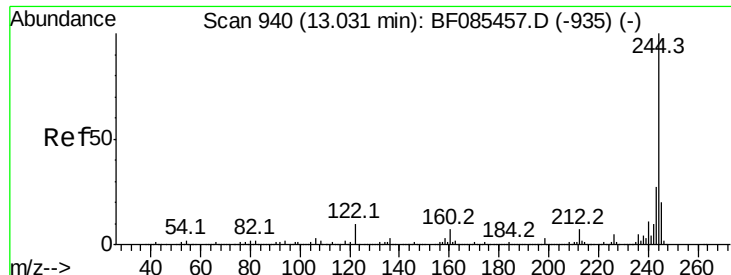


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.82 ng

RT: 12.98 min Scan# 936

Delta R.T. -0.05 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Instrument :

BNA_F

ClientSampleId :

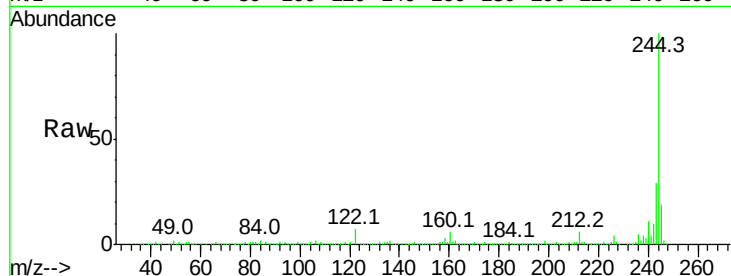
Tot Ion:244 Resp: 723098

Ion Ratio Lower Upper

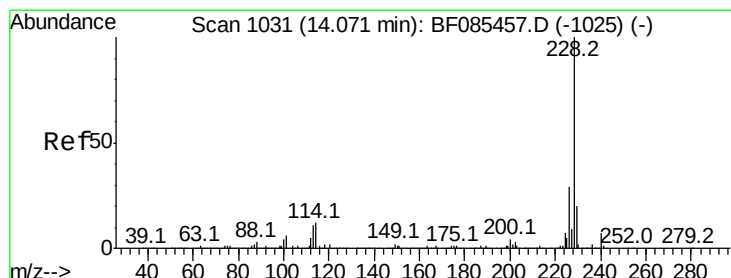
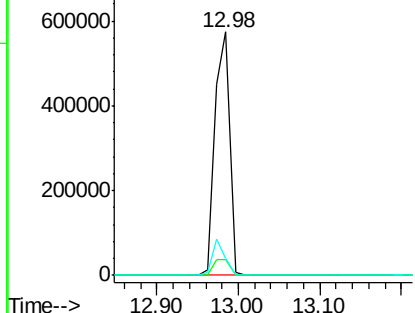
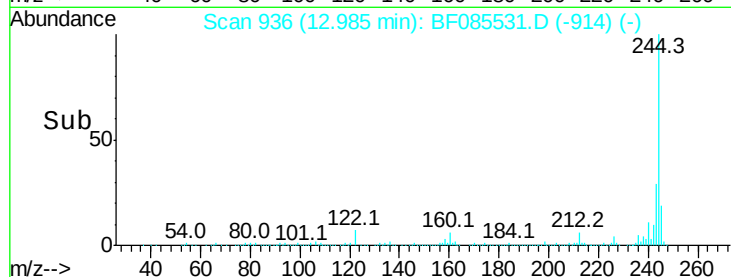
244 100

212 6.4 6.4 9.6#

122 7.0 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: 5.56 ng

RT: 14.01 min Scan# 1026

Delta R.T. -0.06 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

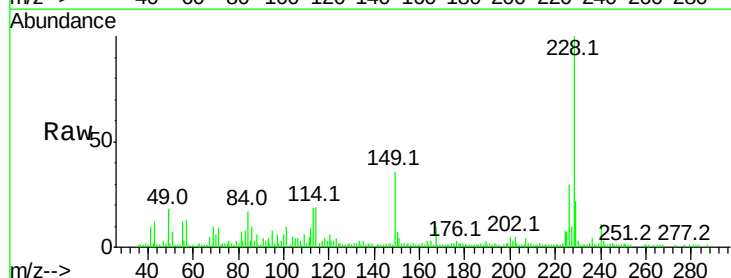
Tgt Ion:228 Resp: 88626

Ion Ratio Lower Upper

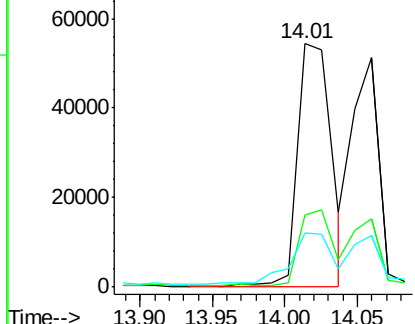
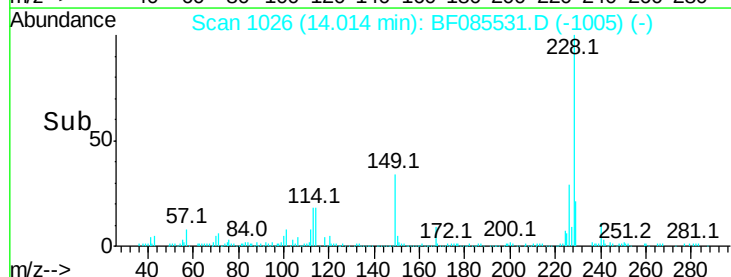
228 100

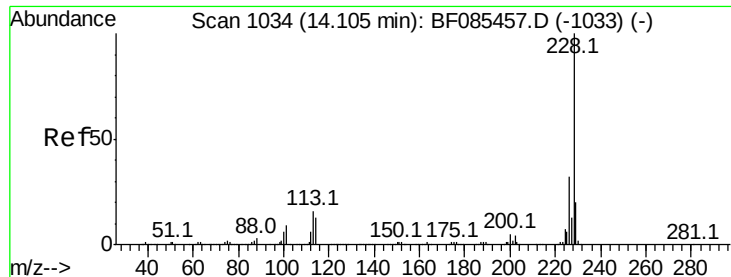
226 29.8 22.8 34.2

229 22.5 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: 6.18 ng

RT: 14.01 min Scan# 1026

Delta R.T. -0.09 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

Instrument :

BNA_F

ClientSampleId :

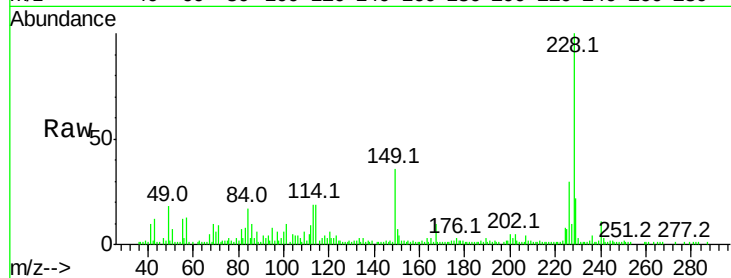
Tot Ion:228 Resp: 88626

Ion Ratio Lower Upper

228 100

226 29.8 25.2 37.8

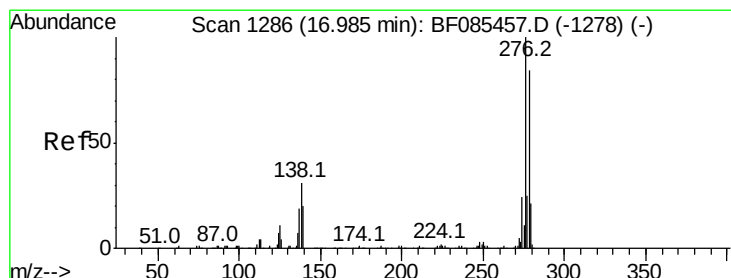
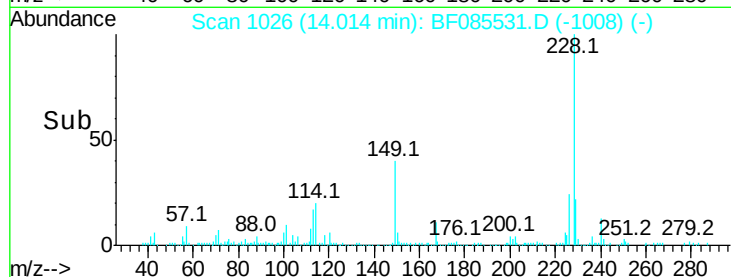
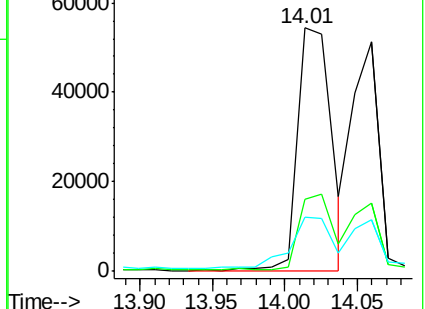
229 22.5 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.93 ng

RT: 16.87 min Scan# 1276

Delta R.T. -0.11 min

Lab File: BF085531.D

Acq: 18 Mar 2016 11:33

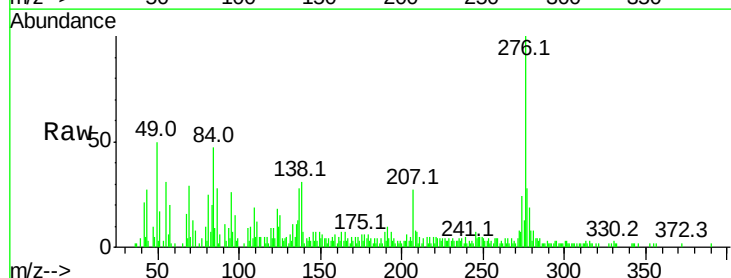
Tgt Ion:276 Resp: 39848

Ion Ratio Lower Upper

276 100

138 28.5 26.4 39.6

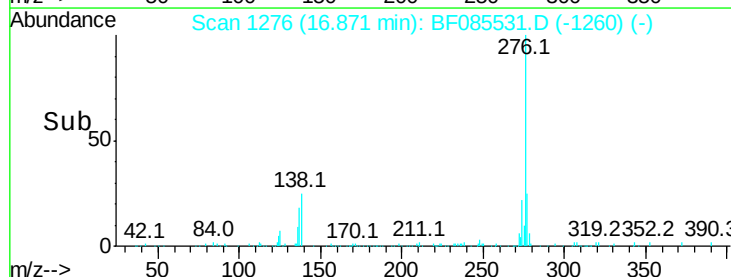
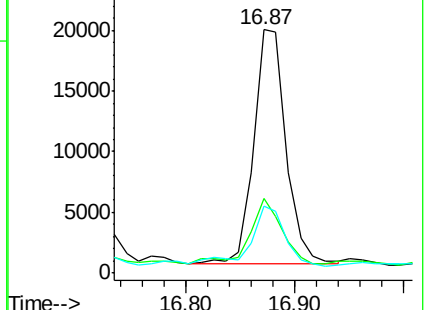
277 30.0 20.2 30.2

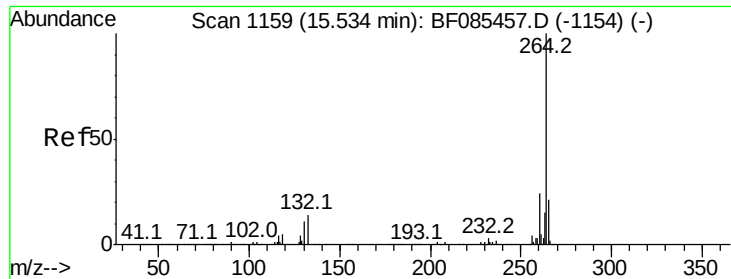


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

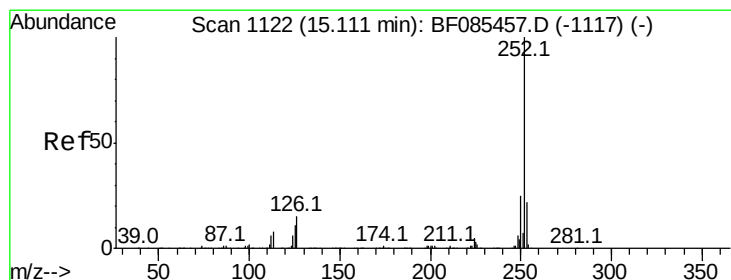
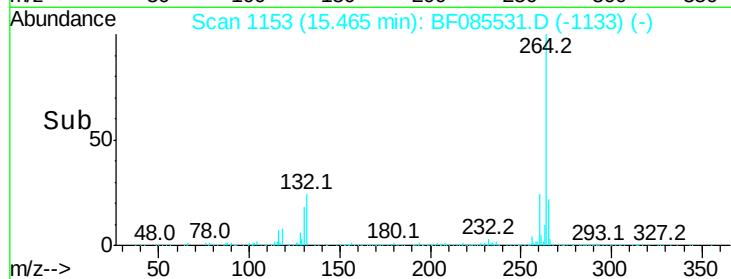
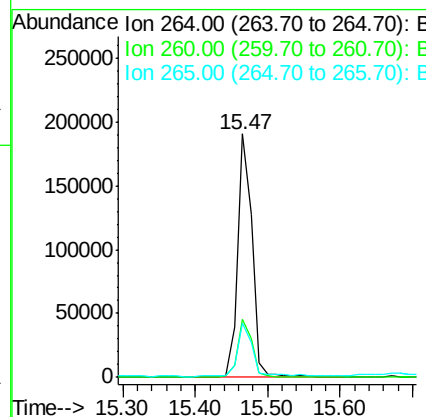
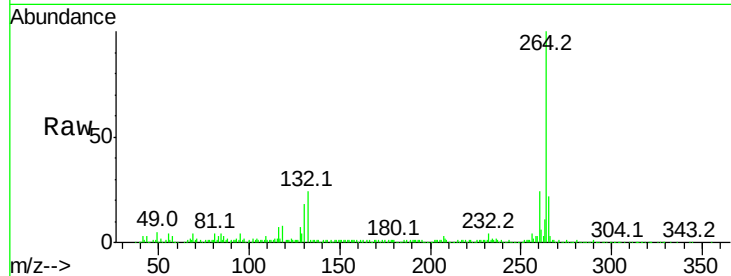




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF085531.D
Acq: 18 Mar 2016 11:33

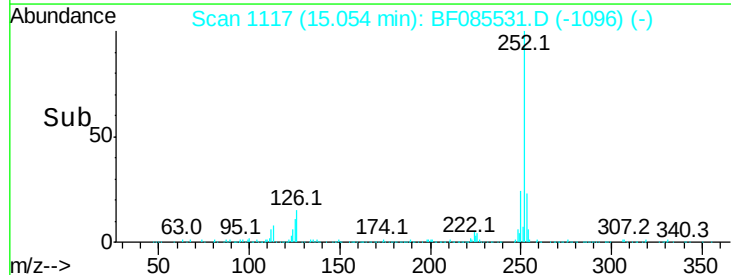
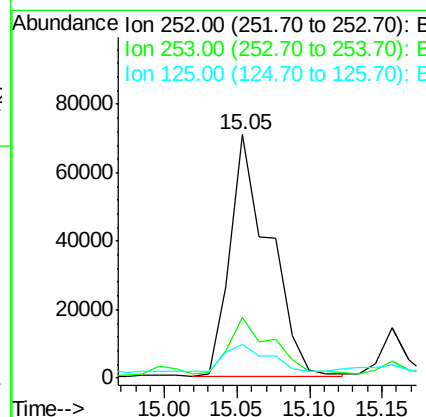
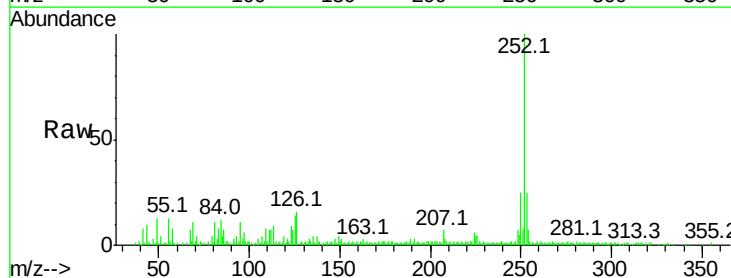
Instrument :
BNA_F
ClientSampleId :

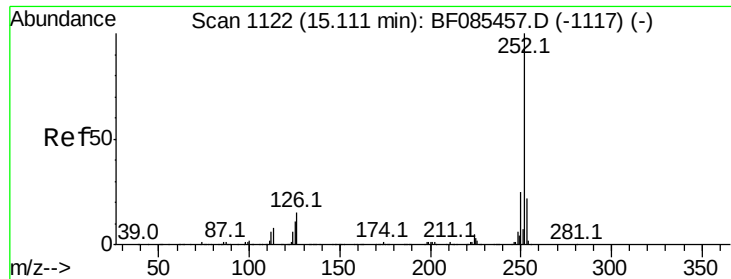
Tot Ion:264 Resp: 258727
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.4 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 7.85 ng
RT: 15.05 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF085531.D
Acq: 18 Mar 2016 11:33

Tgt Ion:252 Resp: 132673
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 14.0 11.3 16.9

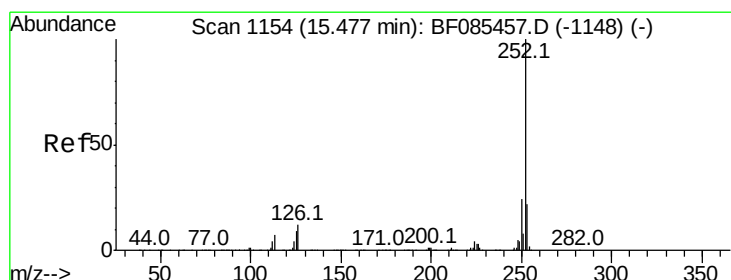
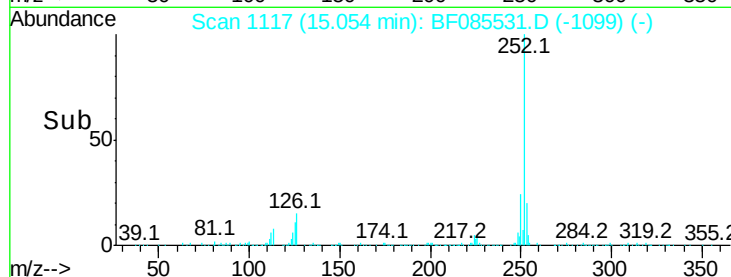
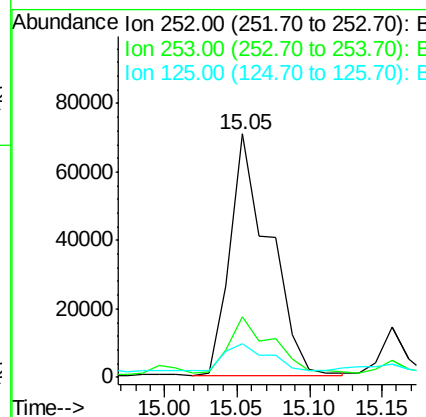
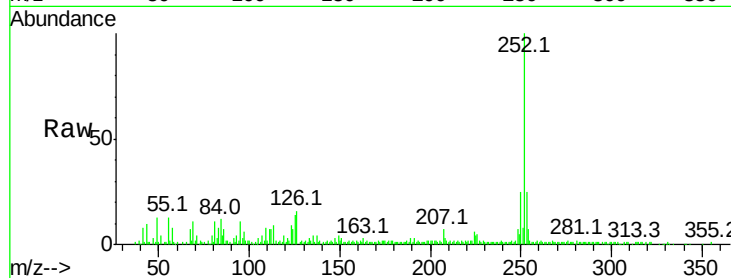




#88
Benzo(k)fluoranthene
Concen: 10.02 ng
RT: 15.05 min Scan# 1117
Delta R.T. -0.09 min
Lab File: BF085531.D
Acq: 18 Mar 2016 11:33

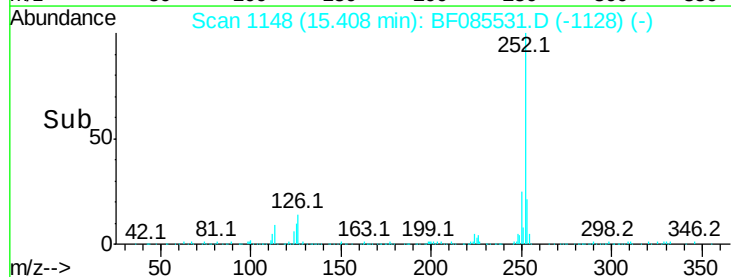
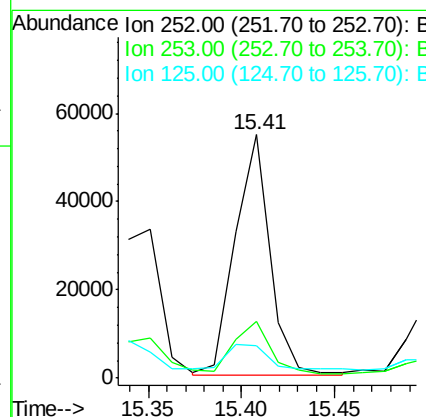
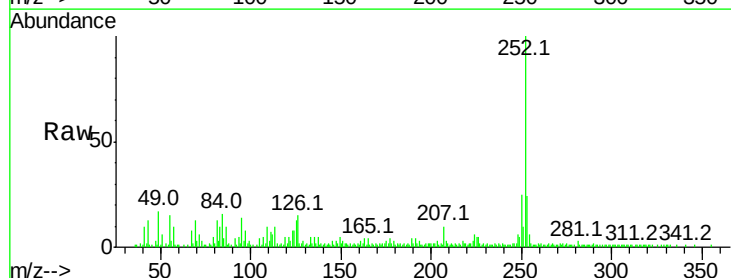
Instrument :
BNA_F
ClientSampleId :

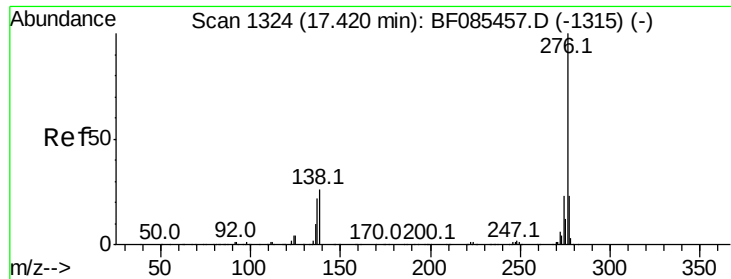
Tot Ion:252 Resp: 132673
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 14.0 10.4 15.6



#89
Benzo(a)pyrene
Concen: 4.86 ng
RT: 15.41 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF085531.D
Acq: 18 Mar 2016 11:33

Tgt Ion:252 Resp: 70901
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 13.3 8.2 12.4#





#91
 Benzo(a,h,i)perylene
 Concen: 2.71 ng
 RT: 17.31 min Scan# 1314
 Delta R.T. -0.11 min
 Lab File: BF085531.D
 Acq: 18 Mar 2016 11:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 39446
 Ion Ratio Lower Upper
 276 100
 277 25.4 19.0 28.4
 138 26.6 22.5 33.7

