

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120115\
 Data File : BF083385.D
 Acq On : 1 Dec 2015 21:27
 Operator : UM/IZ
 Sample : G4593-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-14.5

Quant Time: Dec 02 03:16:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	147775	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	578002	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	293450	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	530241	20.00	ng	0.00
75) Chrysene-d12	14.75	240	371156	20.00	ng	-0.01
86) Perylene-d12	16.82	264	321030	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.14	112	1320654	134.10	ng	0.01
7) Phenol-d6	6.22	99	1787762	132.63	ng	0.00
23) Nitrobenzene-d5	7.12	82	1115566	84.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	340017	115.42	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	1808512	87.82	ng	0.00
78) Terphenyl-d14	13.22	244	1606495	103.22	ng	0.00

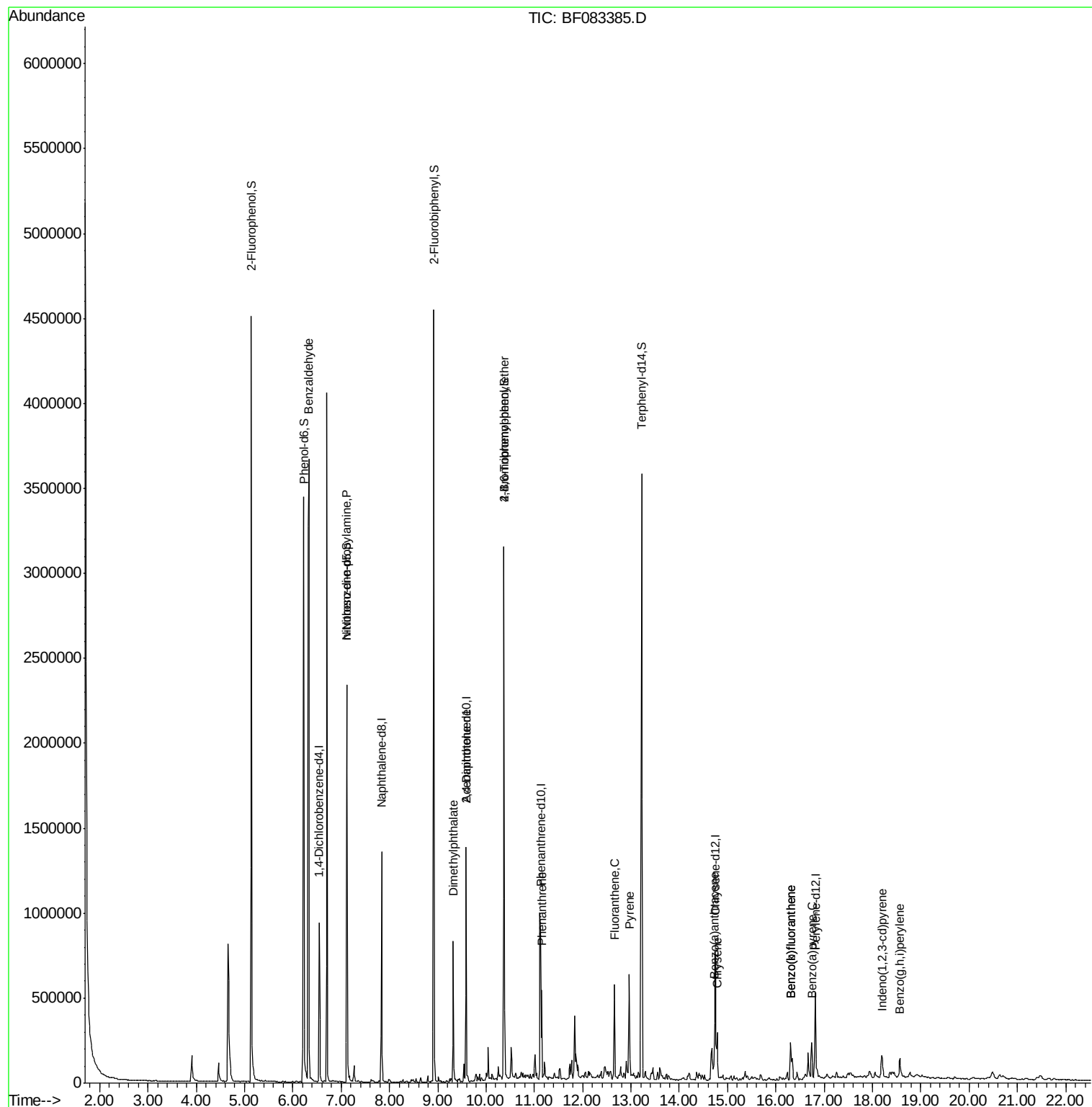
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	32367	3.08	ng	85
19) n-Nitroso-di-n-propylamine	7.12	70	147809	15.34	ng	# 86
49) Dimethylphthalate	9.32	163	342931	14.38	ng	98
56) 2,4-Dinitrotoluene	9.58	165	37658	5.83	ng	# 6
66) 4-Bromophenyl-phenylether	10.37	248	20725	3.57	ng	# 1
70) Phenanthrene	11.15	178	229643	7.32	ng	100
74) Fluoranthene	12.66	202	344593	10.59	ng	94
77) Pyrene	12.97	202	318239	12.28	ng	99
80) Benzo(a)anthracene	14.73	228	144558	6.36	ng	98
82) Chrysene	14.79	228	143178	6.52	ng	97
85) Indeno(1,2,3-cd)pyrene	18.19	276	90317	5.64	ng	97
87) Benzo(b)fluoranthene	16.31	252	215085	10.44	ng	99
88) Benzo(k)fluoranthene	16.31	252	215085	11.06	ng	# 97
89) Benzo(a)pyrene	16.74	252	121234	6.85	ng	99
91) Benzo(g,h,i)perylene	18.57	276	88608	5.86	ng	96

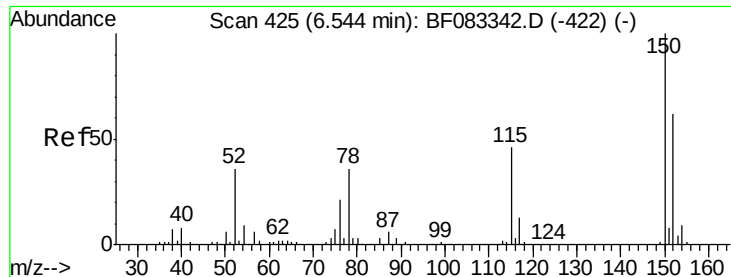
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.54 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

Instrument :

BNA_F

ClientSampleId :

S4-14.5

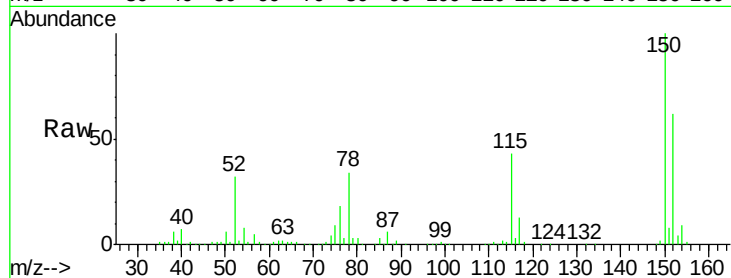
Tgt Ion:152 Resp: 147775

Ion Ratio Lower Upper

152 100

150 160.9 129.8 194.8

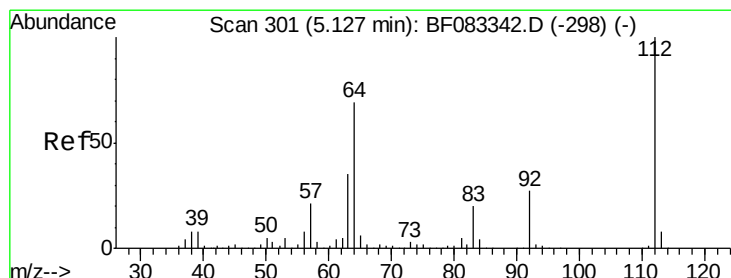
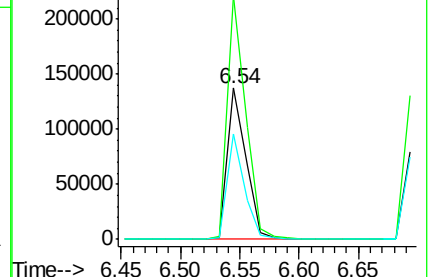
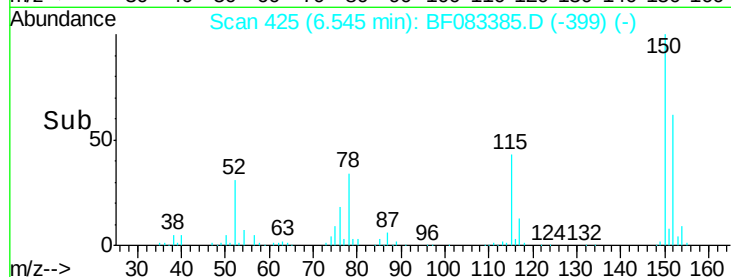
115 69.8 59.2 88.8



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: 134.10 ng

RT: 5.14 min Scan# 302

Delta R.T. 0.01 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

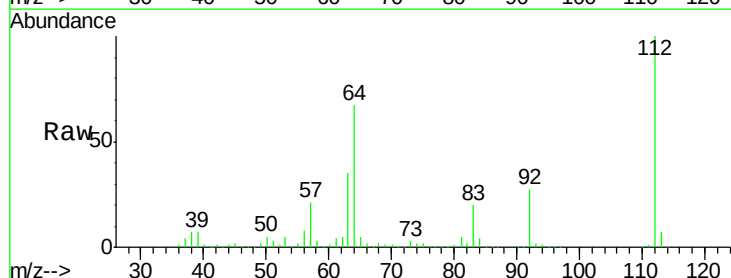
Tgt Ion:112 Resp: 1320654

Ion Ratio Lower Upper

112 100

64 67.4 55.6 83.4

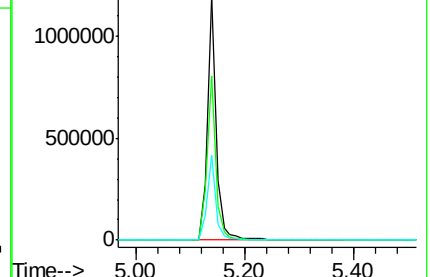
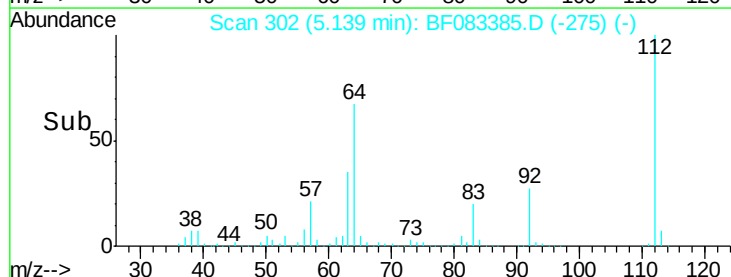
63 34.7 28.2 42.2

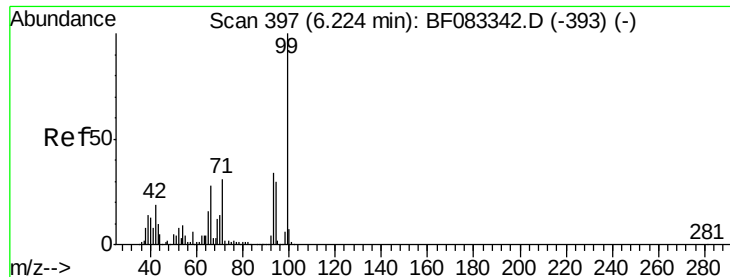


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.63 ng

RT: 6.22 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

Instrument :

BNA_F

ClientSampleId :

S4-14.5

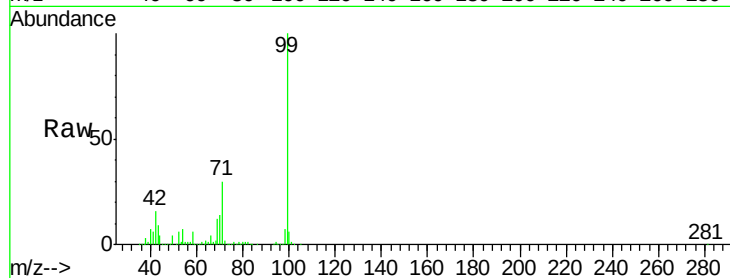
Tgt Ion: 99 Resp: 1787762

Ion Ratio Lower Upper

99 100

42 16.4 14.9 22.3

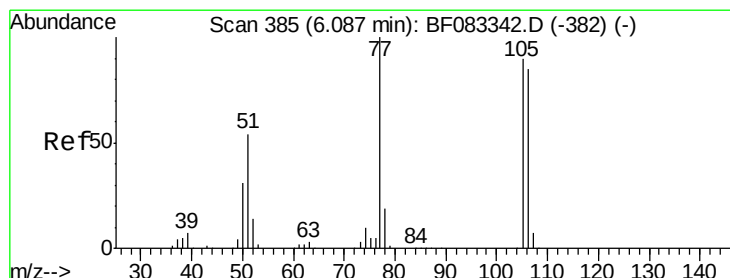
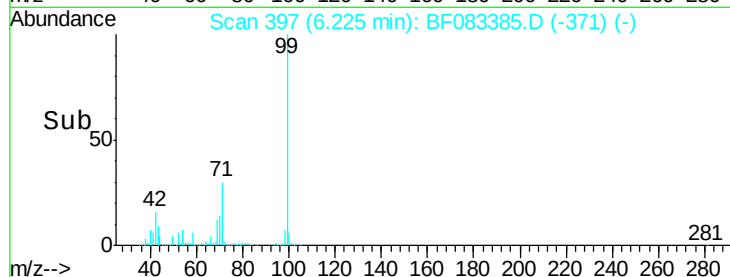
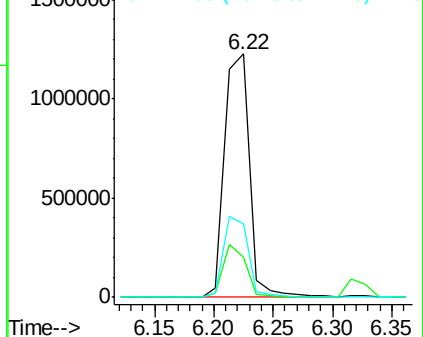
71 29.9 24.7 37.1



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: 3.08 ng

RT: 6.33 min Scan# 406

Delta R.T. 0.24 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

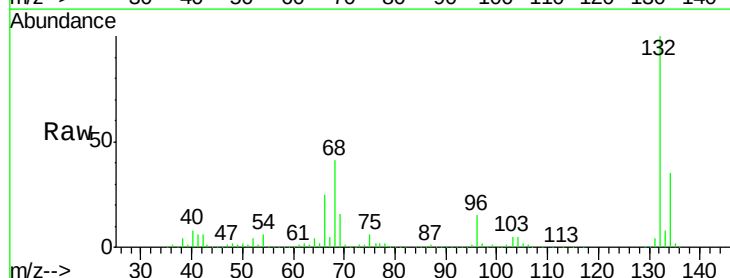
Tgt Ion: 77 Resp: 32367

Ion Ratio Lower Upper

77 100

105 81.0 70.0 110.0

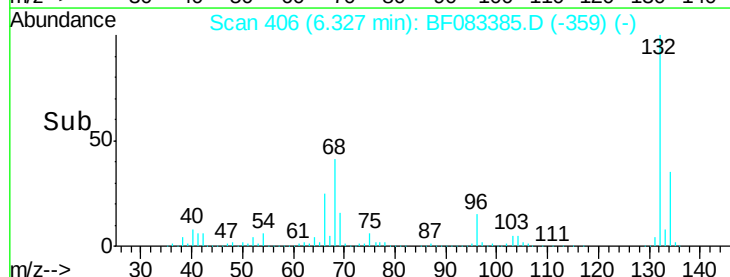
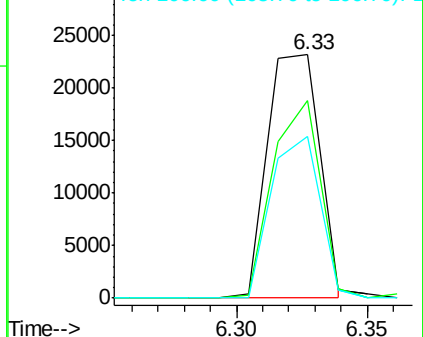
106 66.3 65.0 105.0

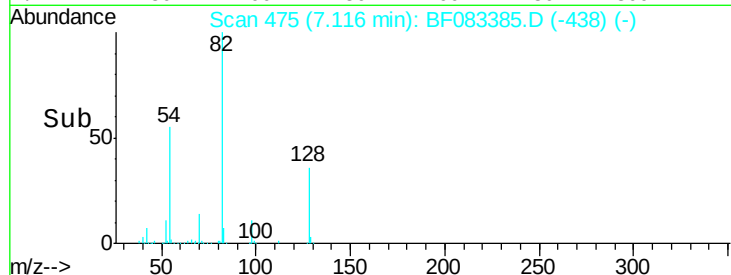
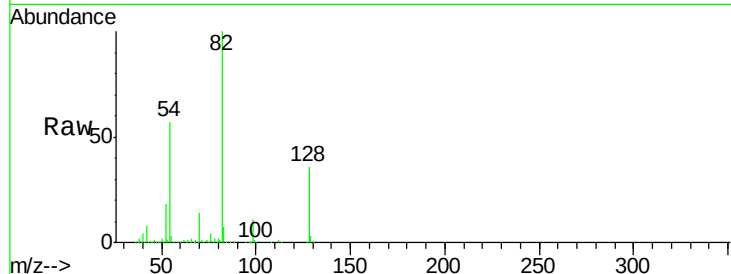
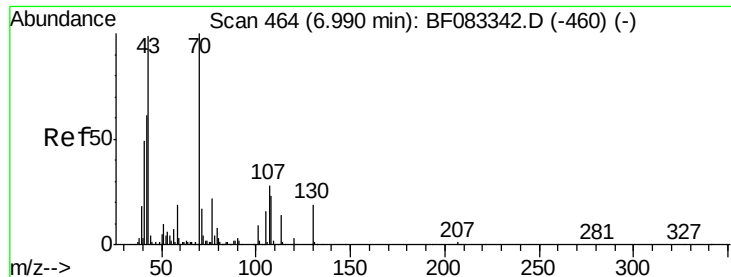


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

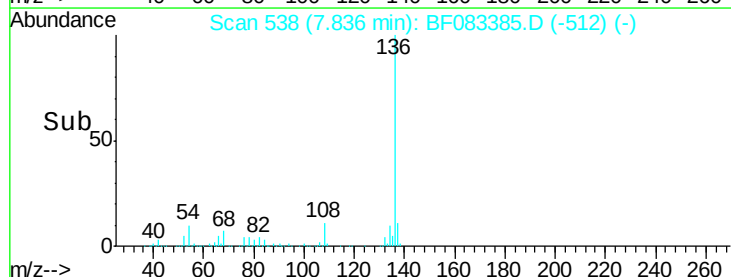
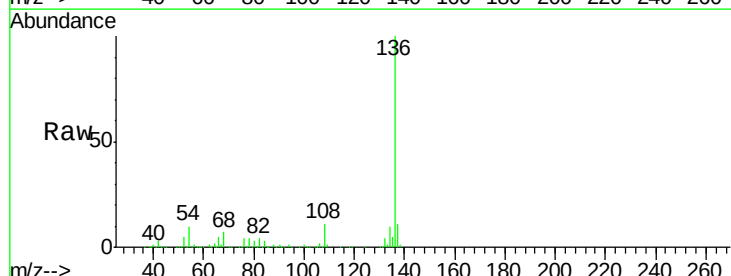
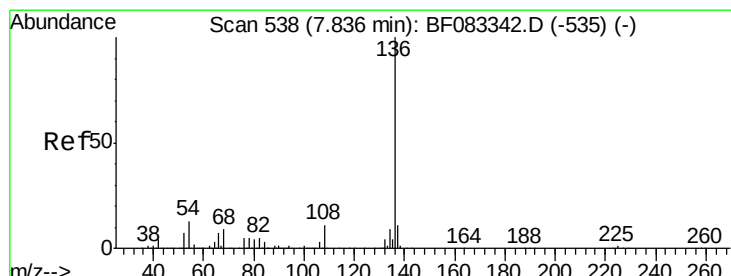
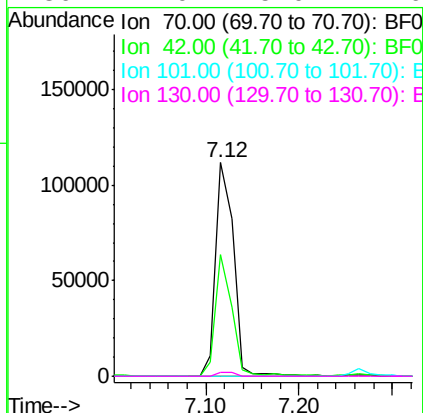




#19
n-Nitroso-di-n-propylamine
Concen: 15.34 ng
RT: 7.12 min Scan# 475
Delta R.T. 0.13 min
Lab File: BF083385.D
Acq: 1 Dec 2015 21:27

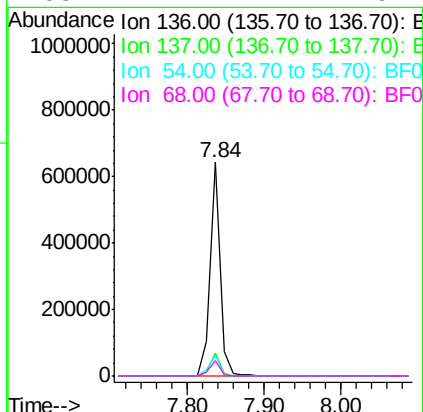
Instrument :
BNA_F
ClientSampleId :
S4-14.5

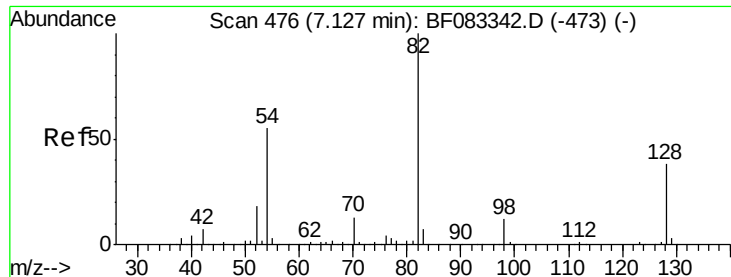
Tgt Ion:	70	Resp:	147809
Ion	Ratio	Lower	Upper
70	100		
42	56.7	48.8	73.2
101	0.0	7.1	10.7#
130	2.0	15.0	22.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF083385.D
Acq: 1 Dec 2015 21:27

Tgt Ion:	136	Resp:	578002
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.8	10.1	15.1#
68	7.1	7.1	10.7#

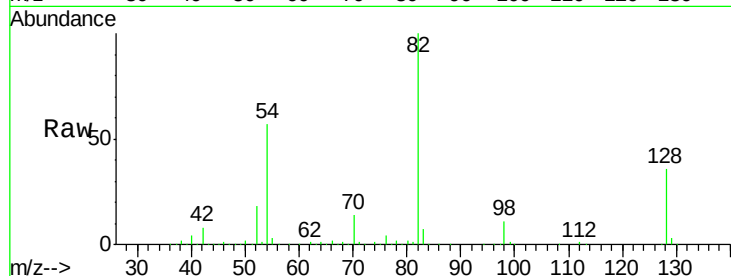




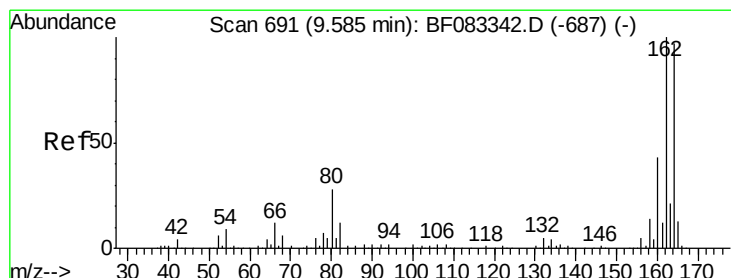
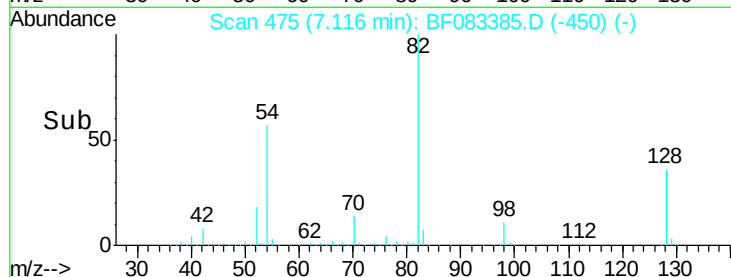
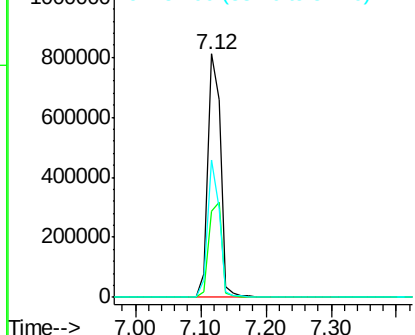
#23
 Nitrobenzene-d5
 Concen: 84.84 ng
 RT: 7.12 min Scan# 475
 Delta R.T. -0.01 min
 Lab File: BF083385.D
 Acq: 1 Dec 2015 21:27

Instrument :
 BNA_F
 ClientSampleId :
 S4-14.5

Tgt Ion: 82 Resp: 1115566
 Ion Ratio Lower Upper
 82 100
 128 35.6 30.6 46.0
 54 56.6 43.8 65.6

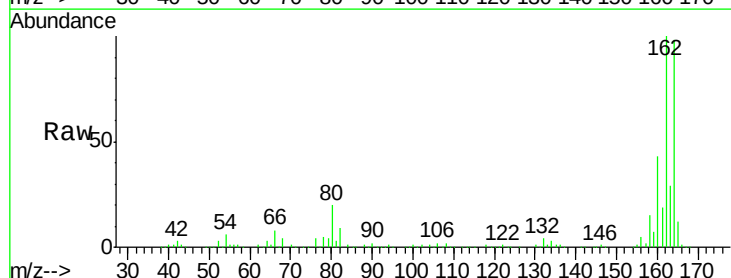


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

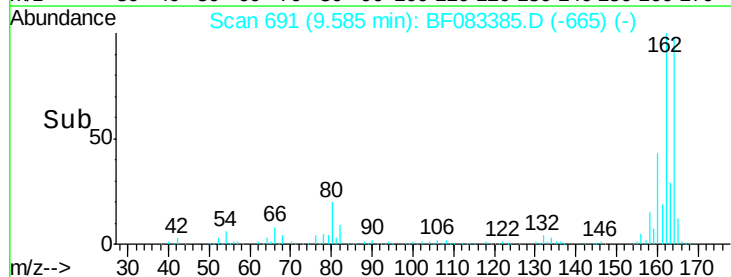
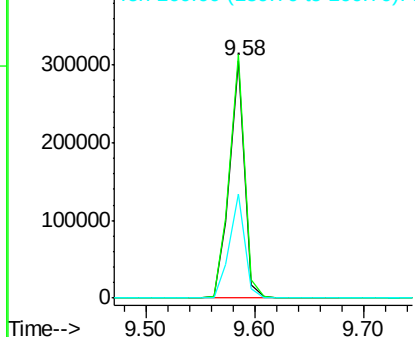


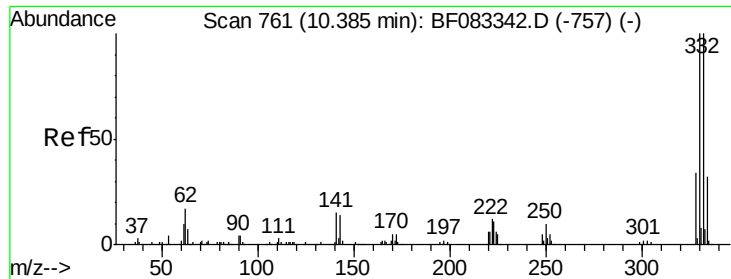
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: BF083385.D
 Acq: 1 Dec 2015 21:27

Tgt Ion: 164 Resp: 293450
 Ion Ratio Lower Upper
 164 100
 162 102.4 82.6 123.8
 160 44.0 35.3 52.9



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

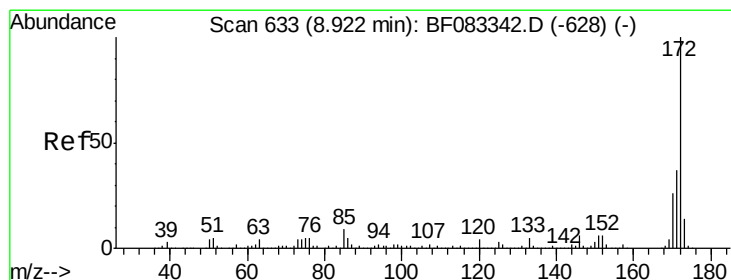
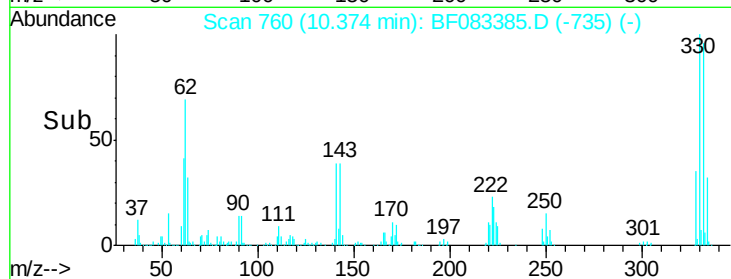
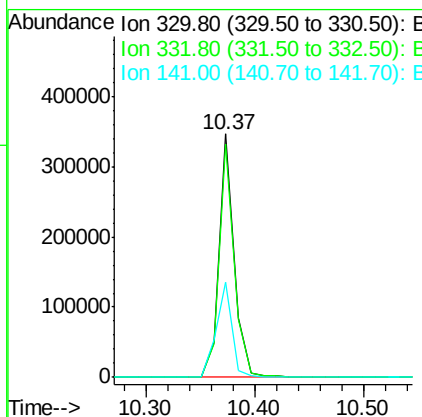
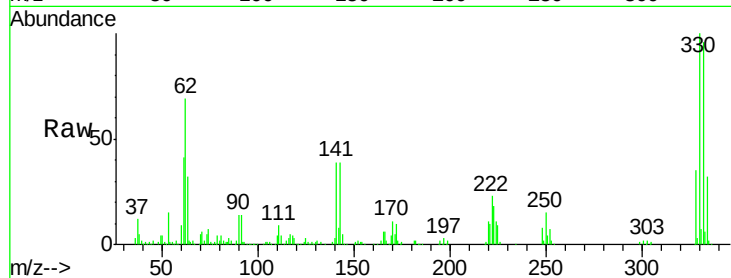




#41
 2,4,6-Tribromophenol
 Concen: 115.42 ng
 RT: 10.37 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF083385.D
 Acq: 1 Dec 2015 21:27

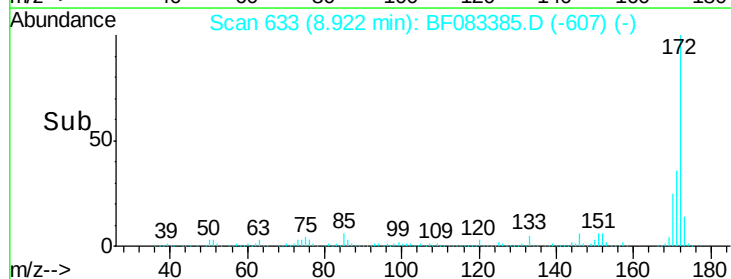
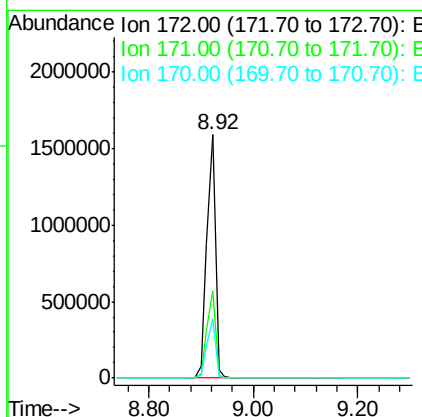
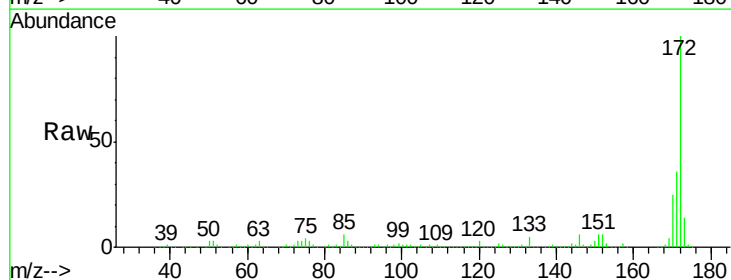
Instrument :
 BNA_F
 ClientSampleId :
 S4-14.5

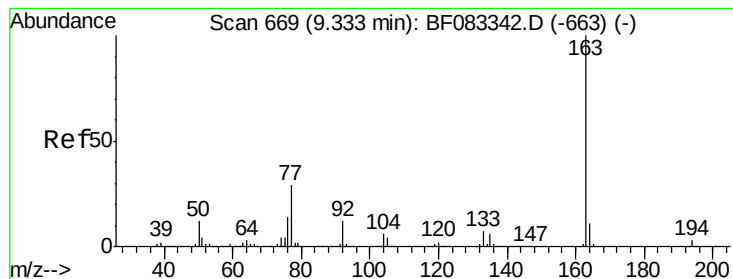
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.8	116.6
141	42.0	29.4	44.0



#44
 2-Fluorobiphenyl
 Concen: 87.82 ng
 RT: 8.92 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: BF083385.D
 Acq: 1 Dec 2015 21:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.6	20.4	30.6





#49

Dimethylphthalate

Concen: 14.38 ng

RT: 9.32 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

Instrument :

BNA_F

ClientSampleId :

S4-14.5

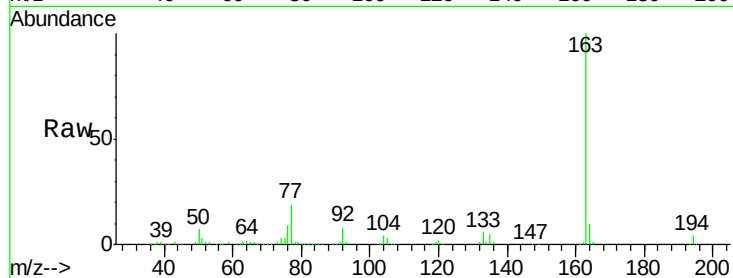
Tgt Ion:163 Resp: 342931

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

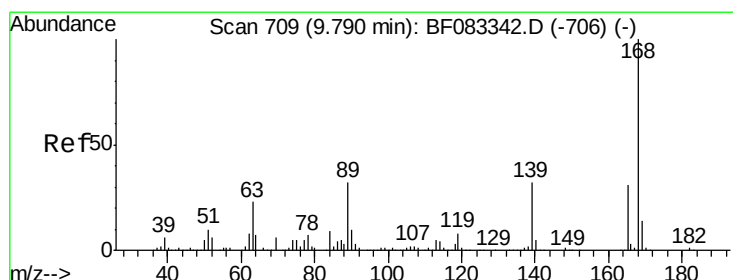
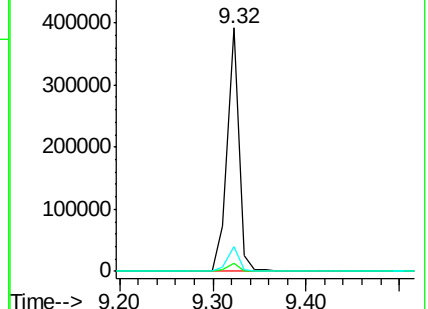
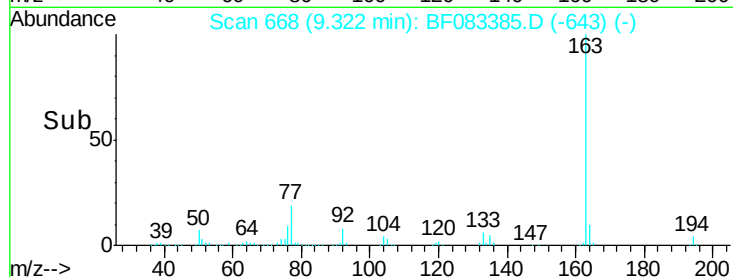
164 10.0 8.8 13.2



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: 5.83 ng

RT: 9.58 min Scan# 691

Delta R.T. -0.21 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

Tgt Ion:165 Resp: 37658

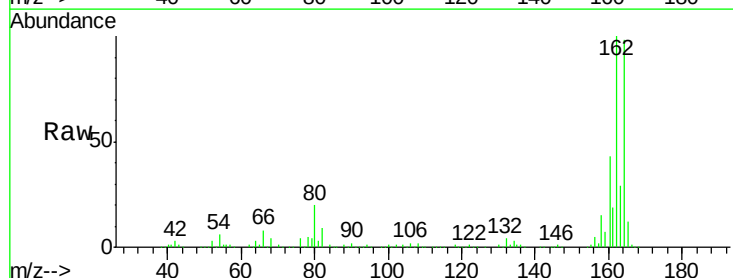
Ion Ratio Lower Upper

165 100

63 1.6 65.4 98.0#

89 1.7 81.2 121.8#

182 0.0 1.8 2.8#

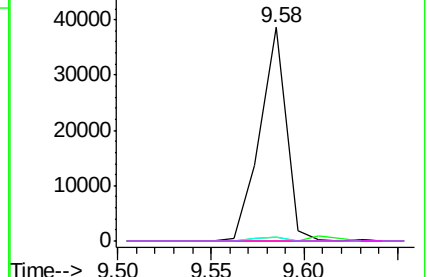
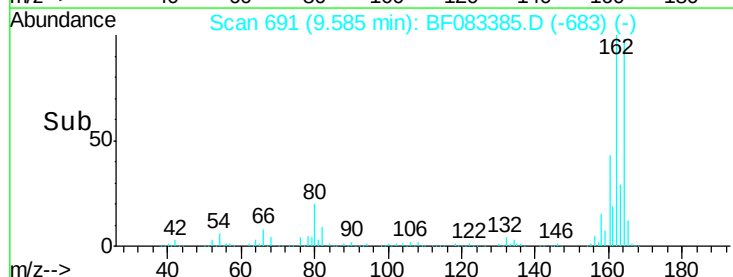


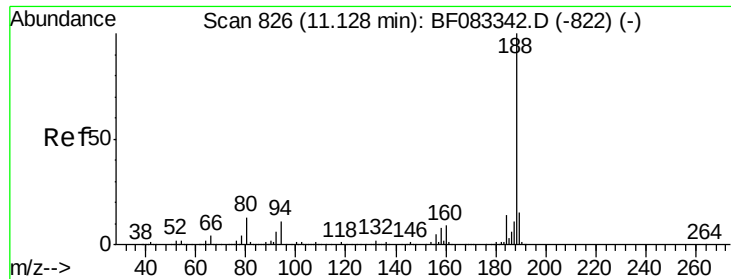
Abundance Ion 165.00 (164.70 to 165.70): E

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

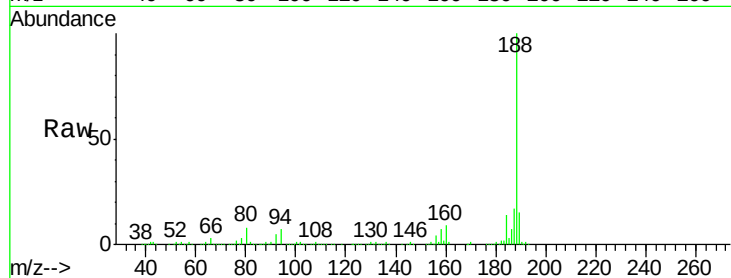




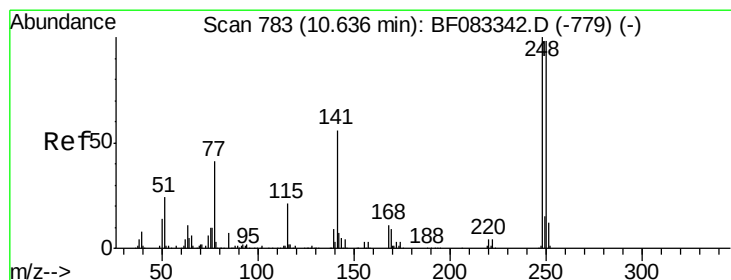
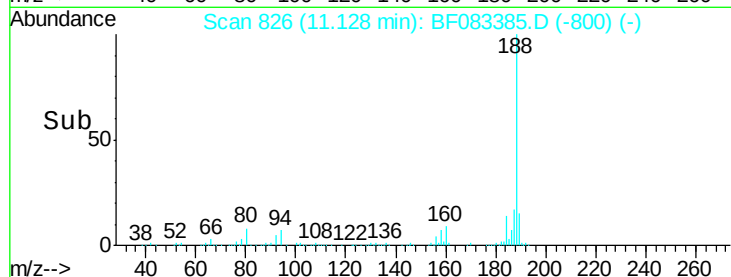
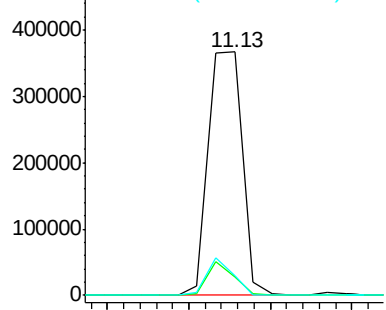
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF083385.D
Acq: 1 Dec 2015 21:27

Instrument :
BNA_F
ClientSampled :
S4-14.5

Tgt Ion:188 Resp: 530241
Ion Ratio Lower Upper
188 100
94 7.4 8.7 13.1#
80 8.2 10.3 15.5#

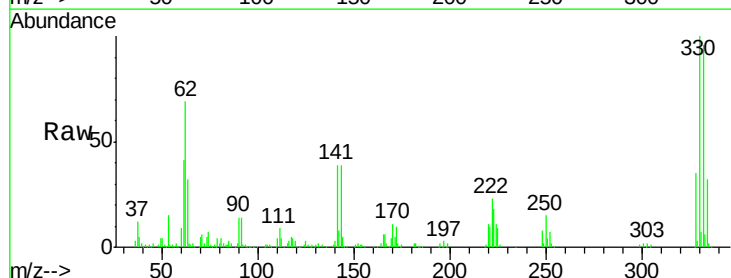


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

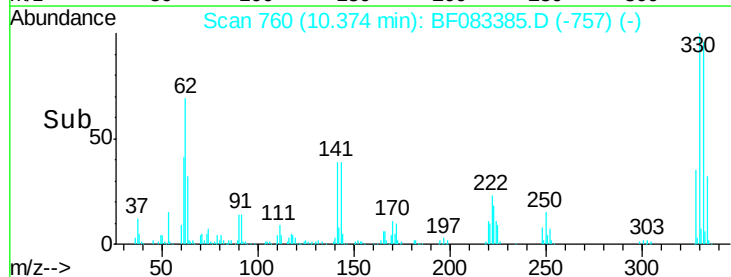
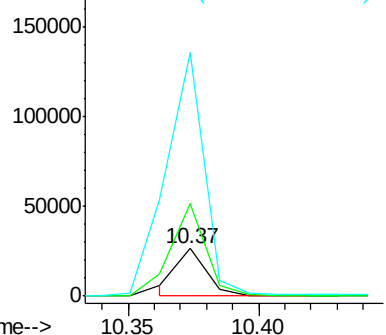


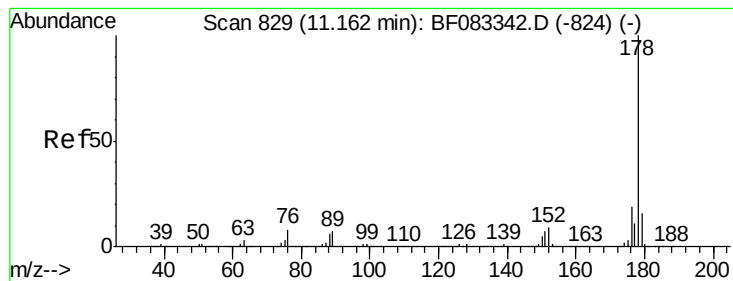
#66
4-Bromophenyl-phenylether
Concen: 3.57 ng
RT: 10.37 min Scan# 760
Delta R.T. -0.26 min
Lab File: BF083385.D
Acq: 1 Dec 2015 21:27

Tgt Ion:248 Resp: 20725
Ion Ratio Lower Upper
248 100
250 196.2 78.6 118.0#
141 516.1 44.4 66.6#



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: 7.32 ng

RT: 11.15 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

Instrument :

BNA_F

ClientSampleId :

S4-14.5

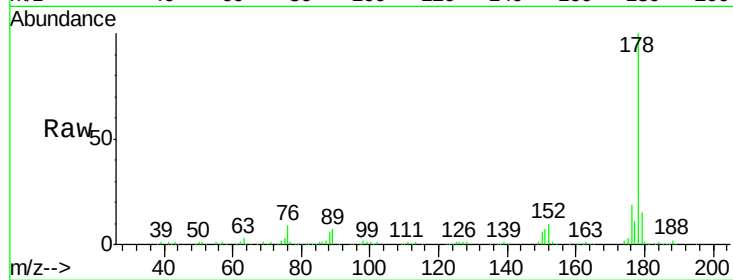
Tgt Ion:178 Resp: 229643

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

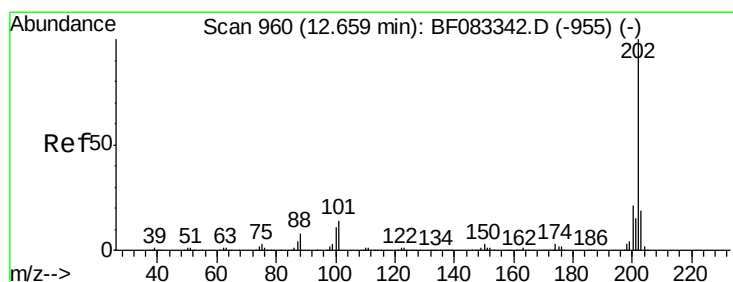
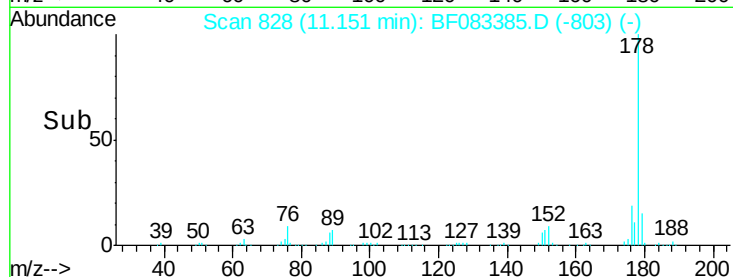
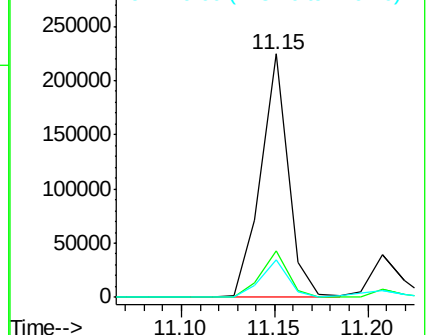
179 15.5 12.4 18.6



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: 10.59 ng

RT: 12.66 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

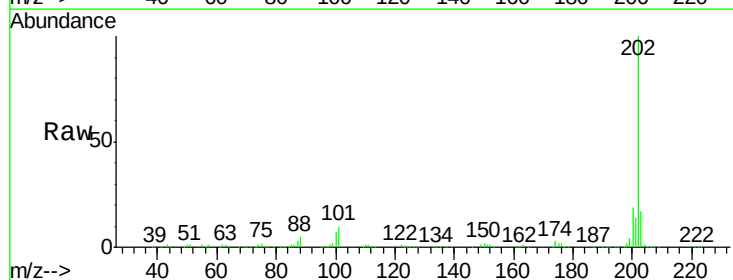
Tgt Ion:202 Resp: 344593

Ion Ratio Lower Upper

202 100

101 10.0 0.0 34.5

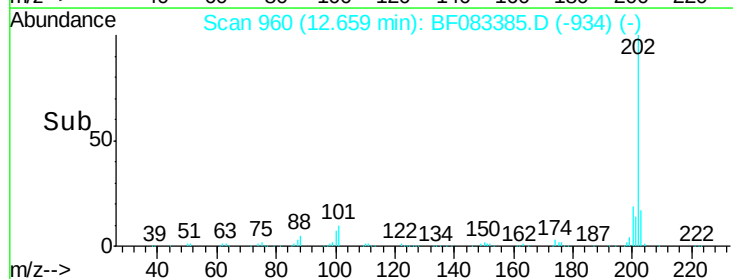
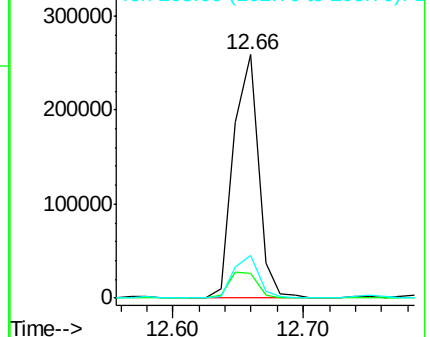
203 17.3 0.0 38.7

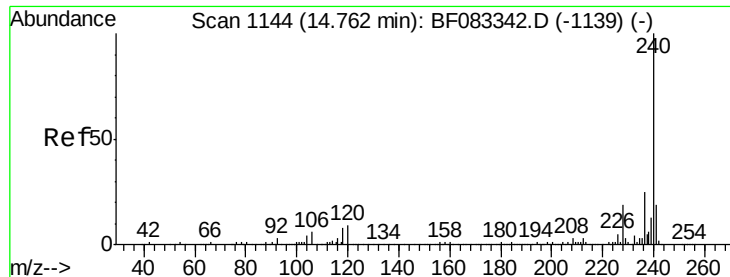


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.75 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

Instrument :

BNA_F

ClientSampleId :

S4-14.5

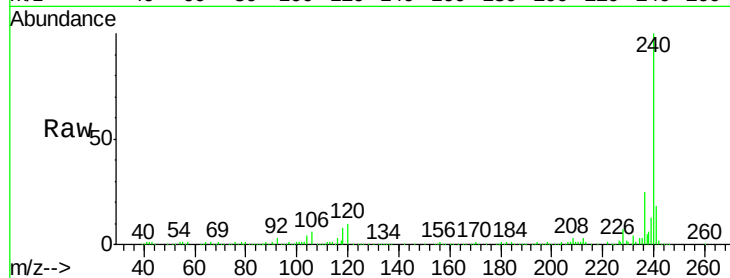
Tgt Ion:240 Resp: 371156

Ion Ratio Lower Upper

240 100

120 9.7 6.9 10.3

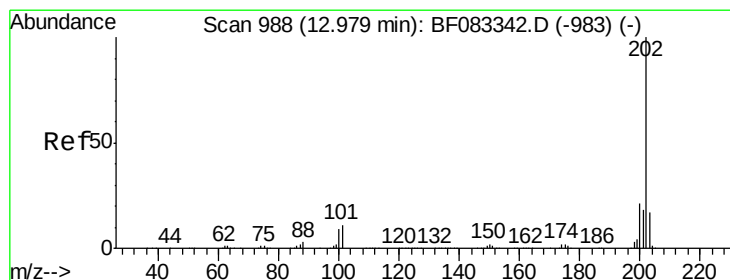
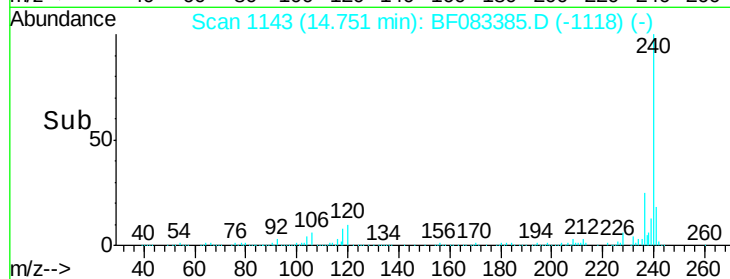
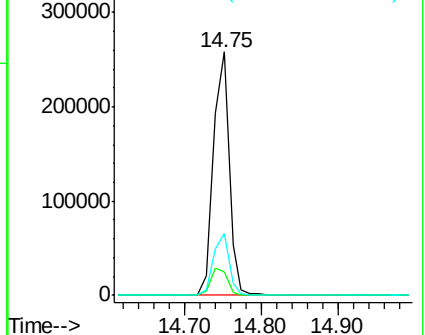
236 25.3 19.8 29.6



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: 12.28 ng

RT: 12.97 min Scan# 987

Delta R.T. -0.01 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

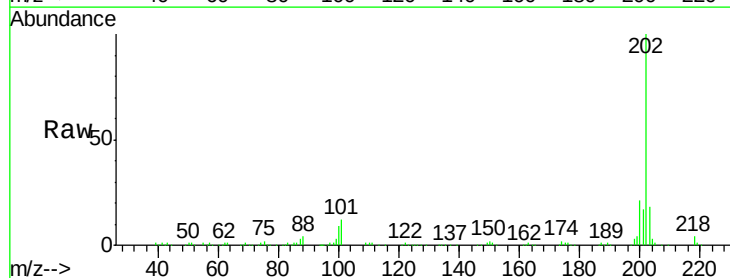
Tgt Ion:202 Resp: 318239

Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

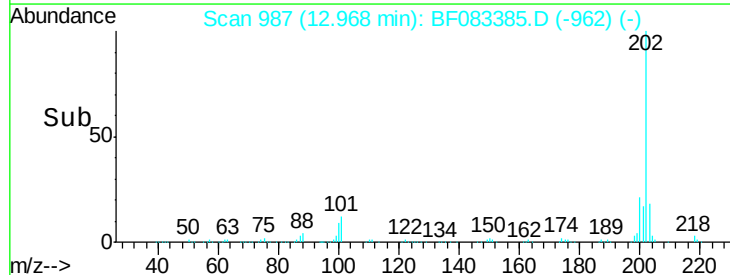
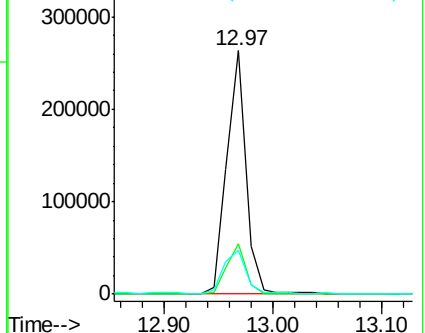
203 18.1 13.9 20.9

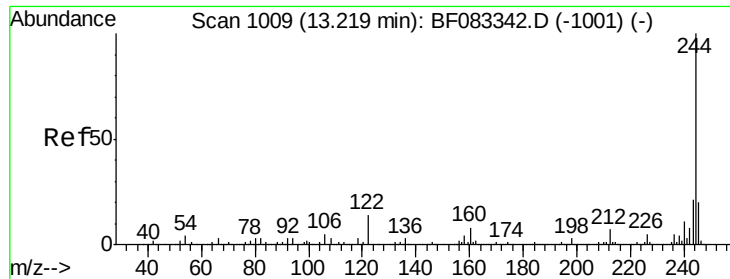


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

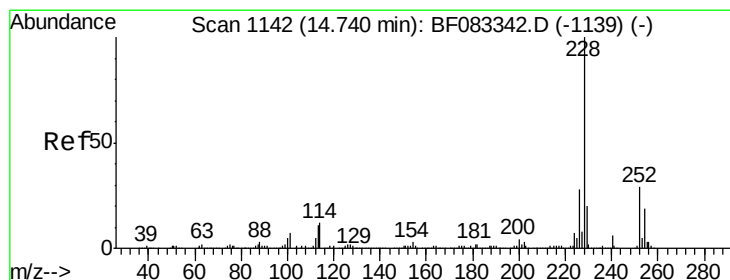
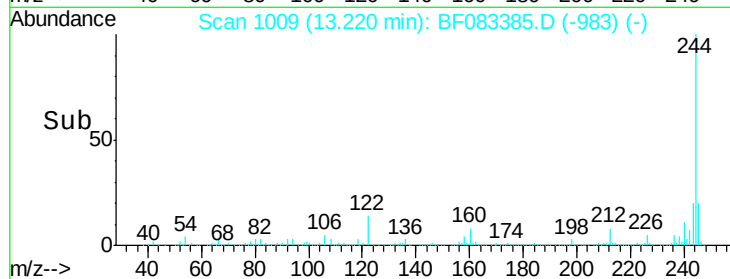
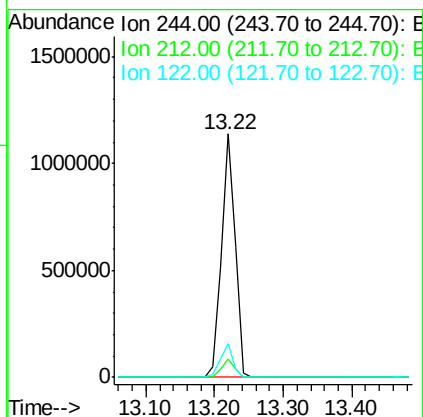
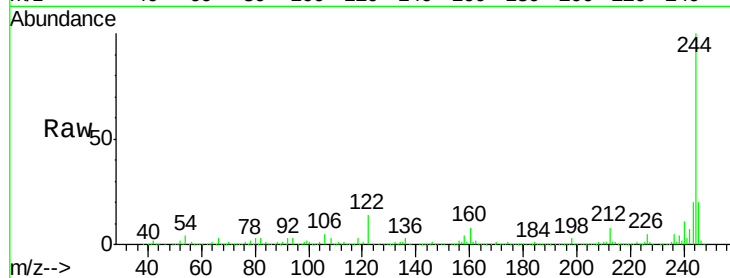




#78
 Terphenyl-d14
 Concen: 103.22 ng
 RT: 13.22 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BF083385.D
 Acq: 1 Dec 2015 21:27

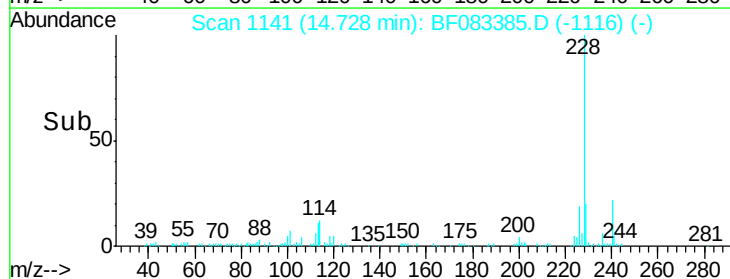
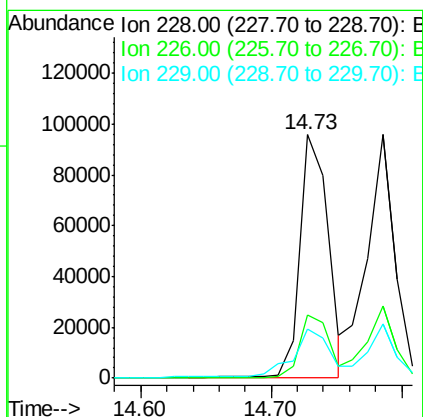
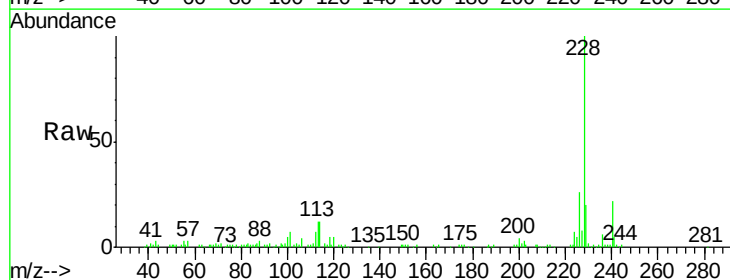
Instrument :
 BNA_F
 ClientSampleId :
 S4-14.5

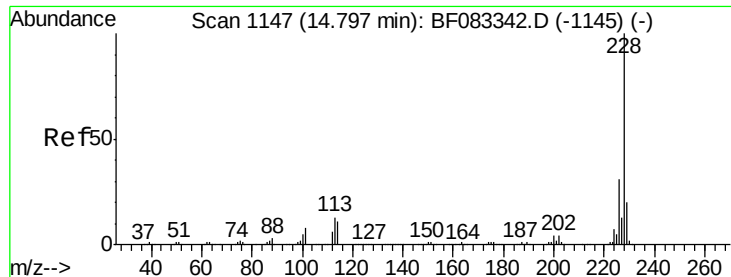
Tgt Ion:244 Resp: 1606495
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 13.6 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 6.36 ng
 RT: 14.73 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: BF083385.D
 Acq: 1 Dec 2015 21:27

Tgt Ion:228 Resp: 144558
 Ion Ratio Lower Upper
 228 100
 226 25.7 22.2 33.4
 229 20.0 16.1 24.1





#82

Chrysene

Concen: 6.52 ng

RT: 14.79 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

Instrument :

BNA_F

ClientSampleId :

S4-14.5

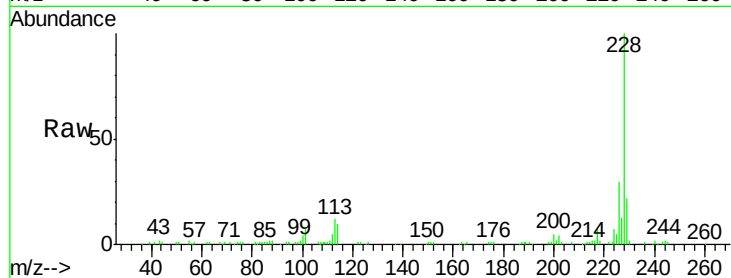
Tgt Ion:228 Resp: 143178

Ion Ratio Lower Upper

228 100

226 29.7 24.6 37.0

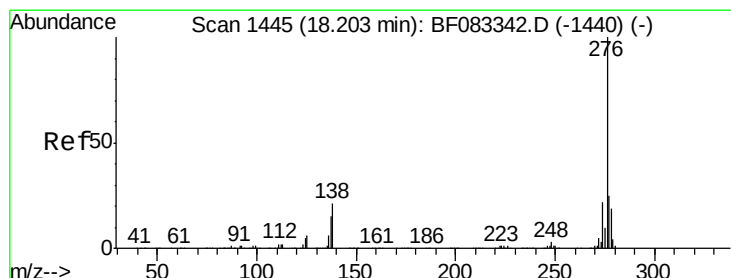
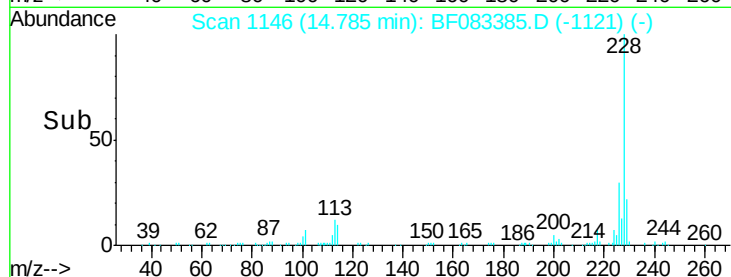
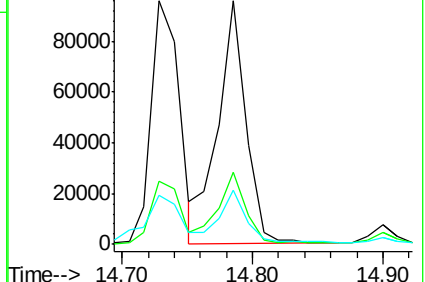
229 22.3 16.2 24.2



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: 5.64 ng

RT: 18.19 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

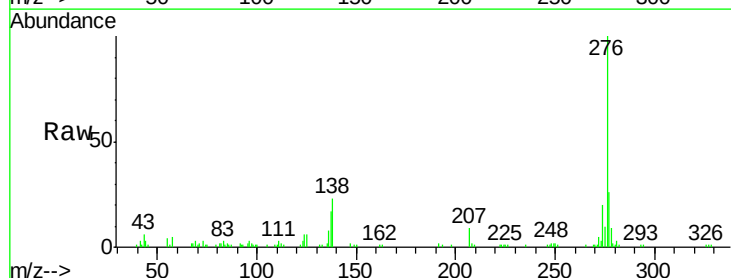
Tgt Ion:276 Resp: 90317

Ion Ratio Lower Upper

276 100

138 24.4 21.2 31.8

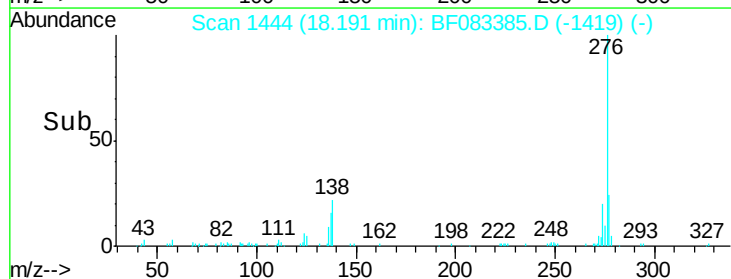
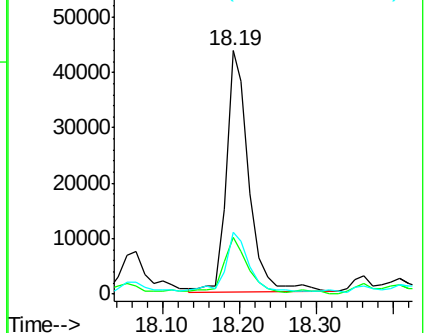
277 25.6 20.0 30.0

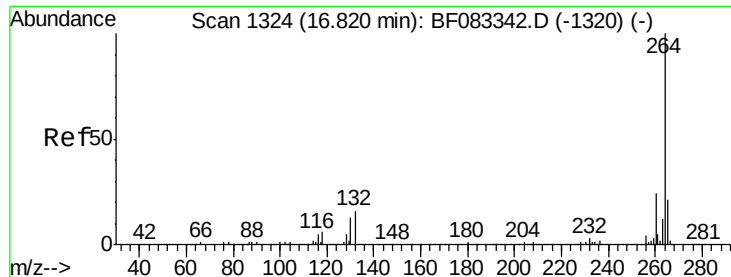


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

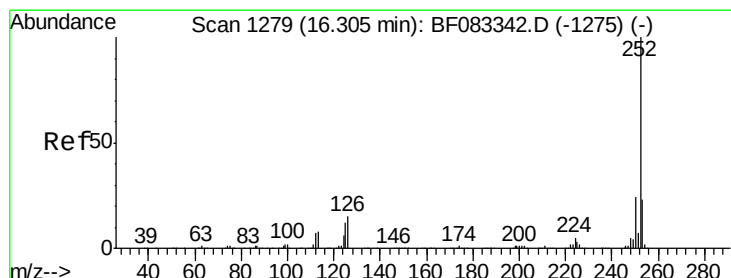
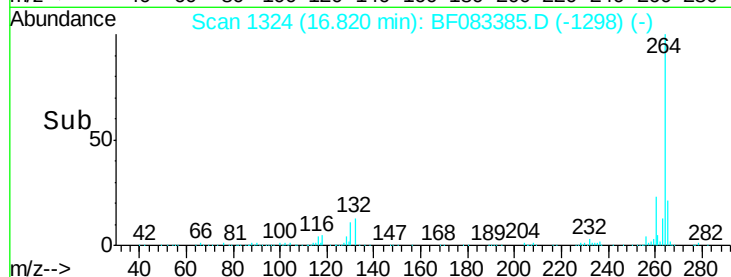
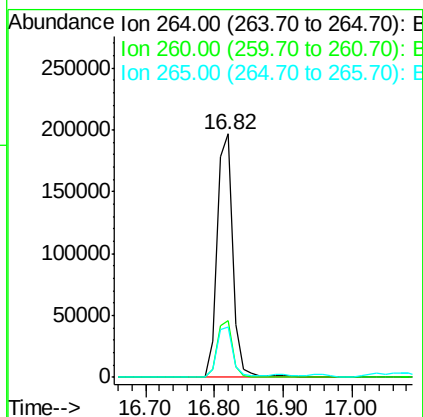
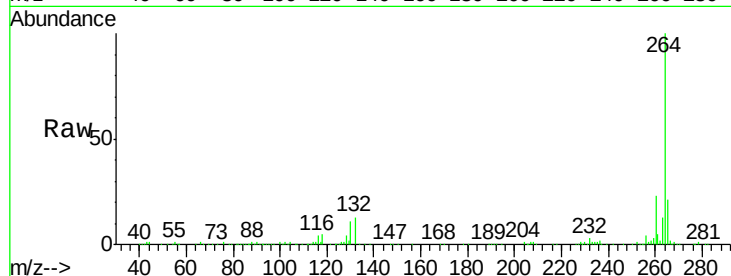




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.82 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BF083385.D
Acq: 1 Dec 2015 21:27

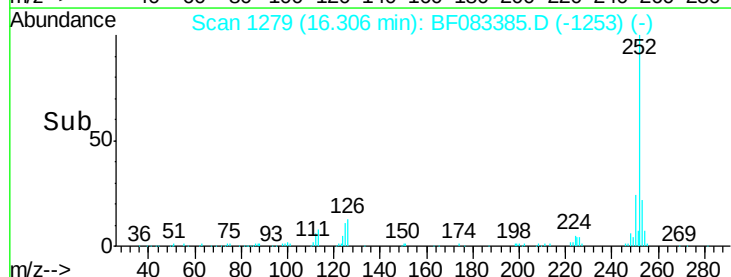
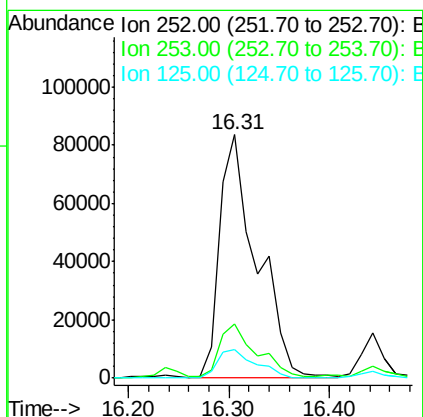
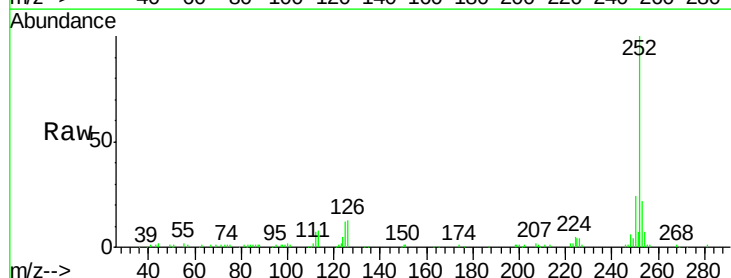
Instrument :
BNA_F
ClientSampleId :
S4-14.5

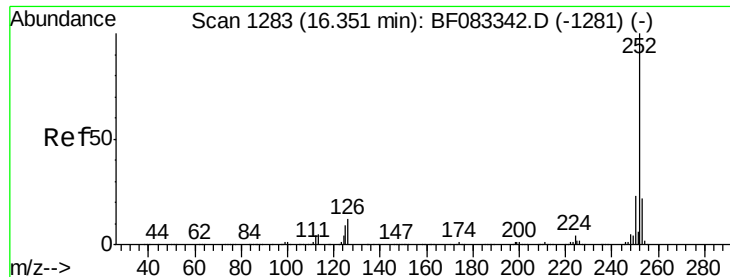
Tgt Ion:264 Resp: 321030
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.4
265 20.6 16.8 25.2



#87
Benzo(b)fluoranthene
Concen: 10.44 ng
RT: 16.31 min Scan# 1279
Delta R.T. 0.00 min
Lab File: BF083385.D
Acq: 1 Dec 2015 21:27

Tgt Ion:252 Resp: 215085
Ion Ratio Lower Upper
252 100
253 22.2 18.4 27.6
125 11.6 9.6 14.4

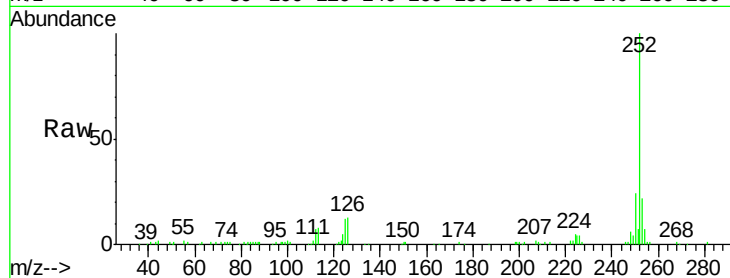




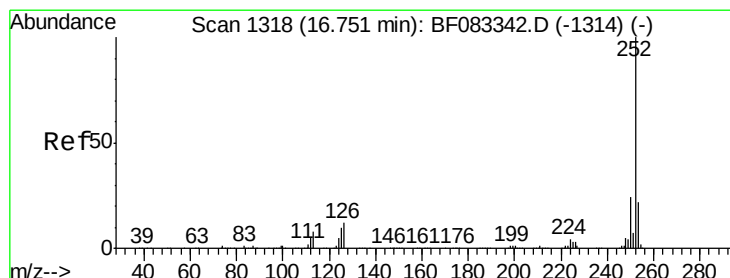
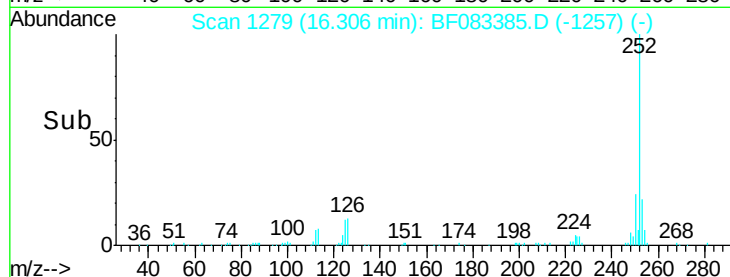
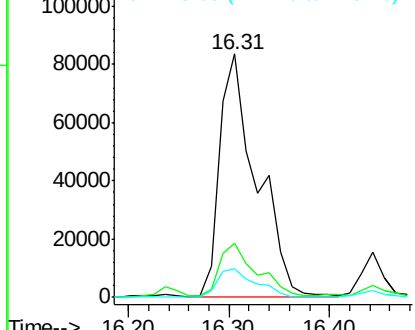
#88
Benzo(k)fluoranthene
Concen: 11.06 ng
RT: 16.31 min Scan# 1279
Delta R.T. -0.05 min
Lab File: BF083385.D
Acq: 1 Dec 2015 21:27

Instrument :
BNA_F
ClientSampleId :
S4-14.5

Tgt Ion:252 Resp: 215085
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 11.6 7.5 11.3#

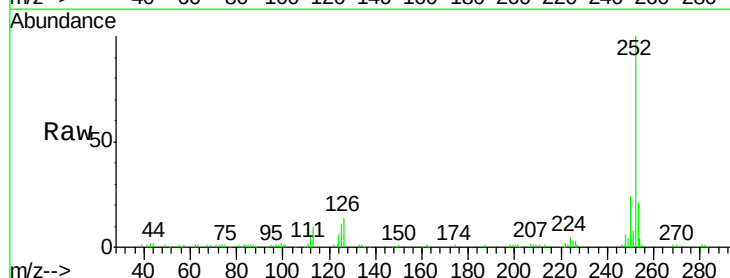


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

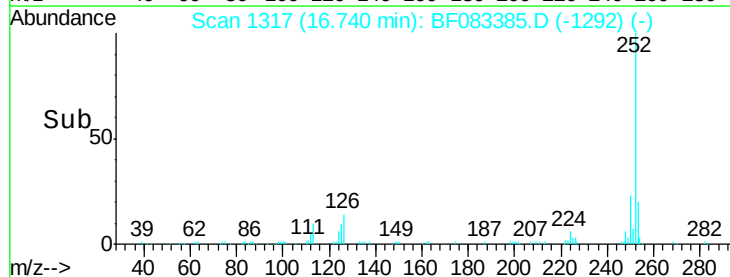
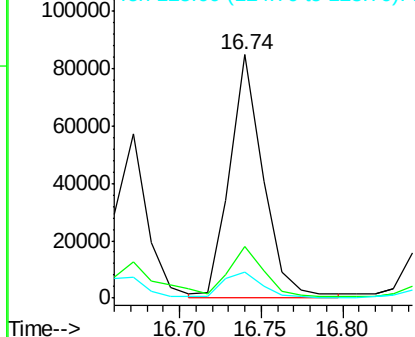


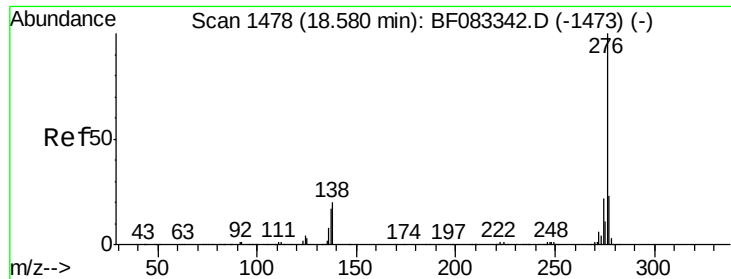
#89
Benzo(a)pyrene
Concen: 6.85 ng
RT: 16.74 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF083385.D
Acq: 1 Dec 2015 21:27

Tgt Ion:252 Resp: 121234
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 10.6 7.8 11.8



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: 5.86 ng

RT: 18.57 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF083385.D

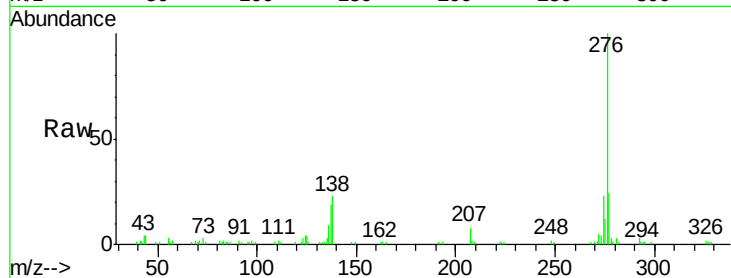
Acq: 1 Dec 2015 21:27

Instrument :

BNA_F

ClientSampleId :

S4-14.5



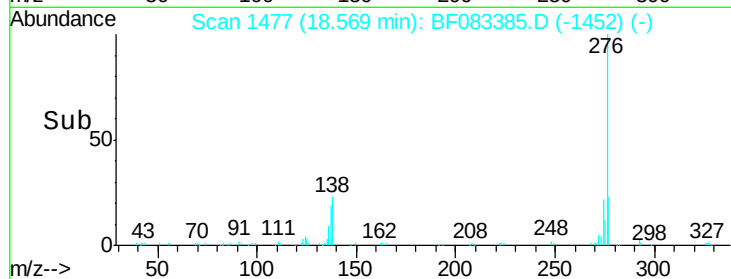
Tgt Ion: 276 Resp: 88608

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 23.2 16.1 24.1



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

