

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120115\
 Data File : BF083388.D
 Acq On : 1 Dec 2015 22:58
 Operator : UM/IZ
 Sample : G4593-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S24-15.5

Quant Time: Dec 02 03:17:57 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	155313	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	596706	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	296909	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	538766	20.00	ng	0.00
75) Chrysene-d12	14.74	240	377824	20.00	ng	-0.02
86) Perylene-d12	16.81	264	333104	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.14	112	1355422	130.95	ng	0.01
7) Phenol-d6	6.22	99	1932494	136.41	ng	0.00
23) Nitrobenzene-d5	7.12	82	1151359	84.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	364638	122.34	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	1848446	88.72	ng	0.00
78) Terphenyl-d14	13.22	244	1550797	97.89	ng	0.00

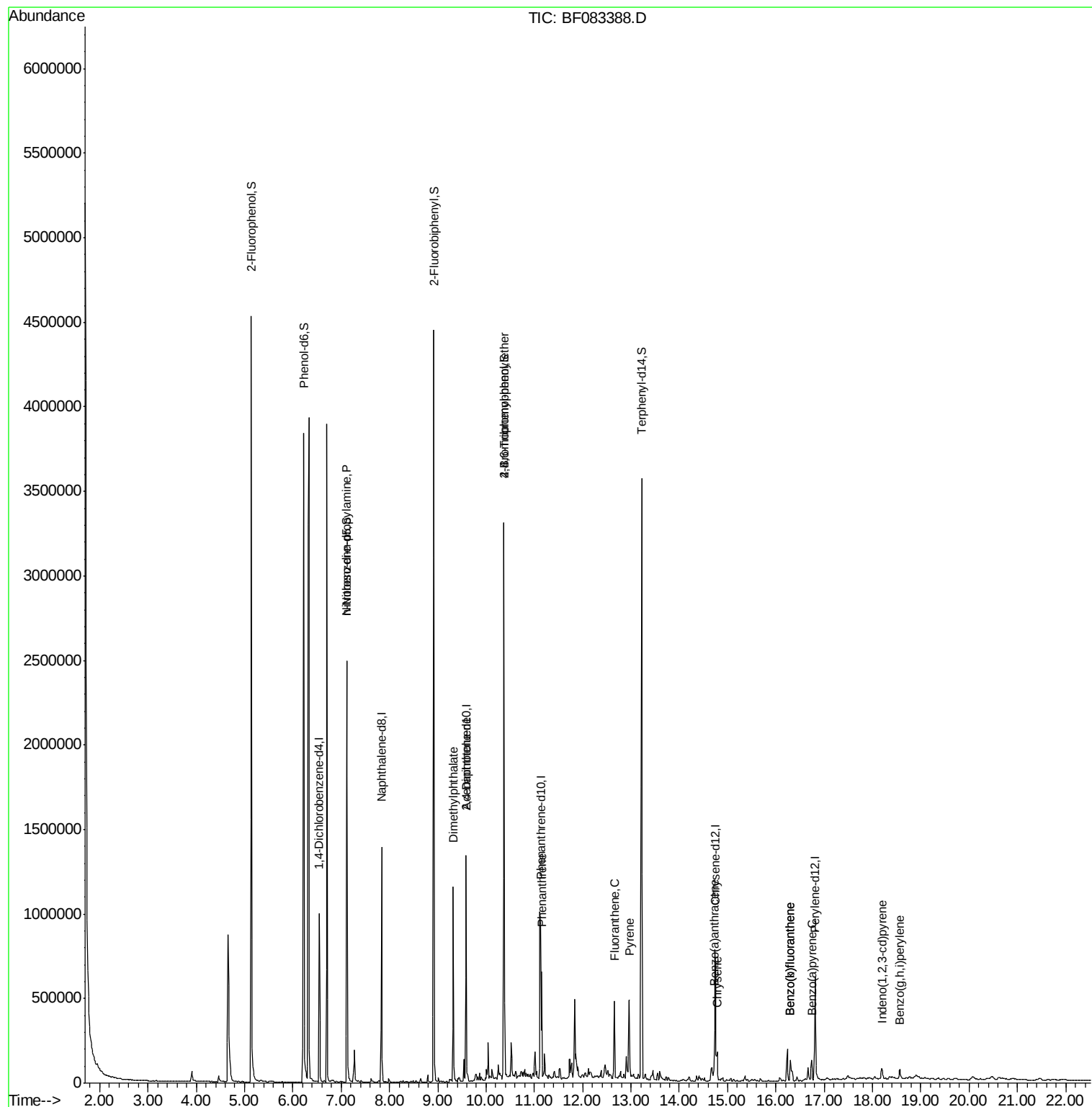
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.22	77	3086	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	7.12	70	154056	15.21	ng	82
49) Dimethylphthalate	9.32	163	474313	19.66	ng	98
56) 2,4-Dinitrotoluene	9.58	165	38523	5.89	ng	6
66) 4-Bromophenyl-phenylether	10.37	248	21372	3.63	ng	1
70) Phenanthrene	11.15	178	276927	8.69	ng	98
74) Fluoranthene	12.66	202	301279	9.12	ng	92
77) Pyrene	12.97	202	273566	10.37	ng	98
80) Benzo(a)anthracene	14.73	228	101039	4.37	ng	100
82) Chrysene	14.79	228	93493	4.18	ng	98
85) Indeno(1,2,3-cd)pyrene	18.19	276	43895	2.69	ng	# 91
87) Benzo(b)fluoranthene	16.29	252	123264	5.77	ng	99
88) Benzo(k)fluoranthene	16.29	252	123264	6.11	ng	# 97
89) Benzo(a)pyrene	16.74	252	69880	3.81	ng	98
91) Benzo(g,h,i)perylene	18.57	276	45942	2.93	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: 6.54 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

Instrument :

BNA_F

ClientSampleId :

S24-15.5

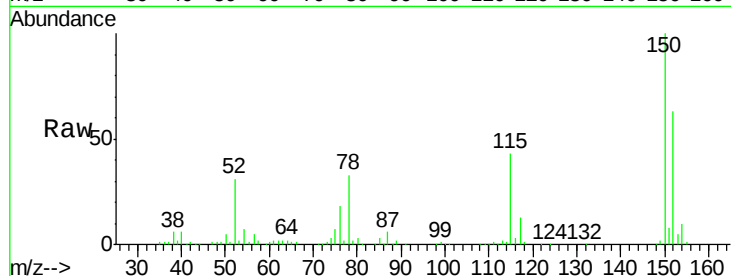
Tgt Ion:152 Resp: 155313

Ion Ratio Lower Upper

152 100

150 158.3 129.8 194.8

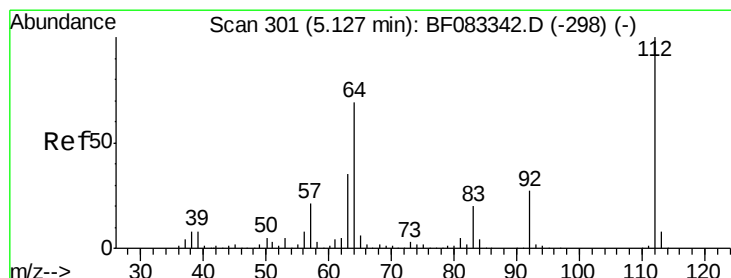
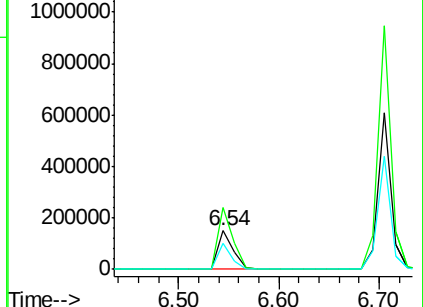
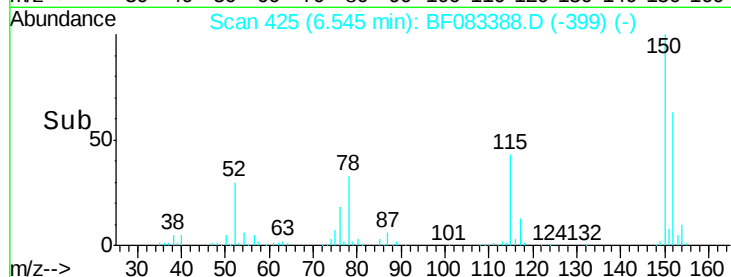
115 67.6 59.2 88.8



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: 130.95 ng

RT: 5.14 min Scan# 302

Delta R.T. 0.01 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

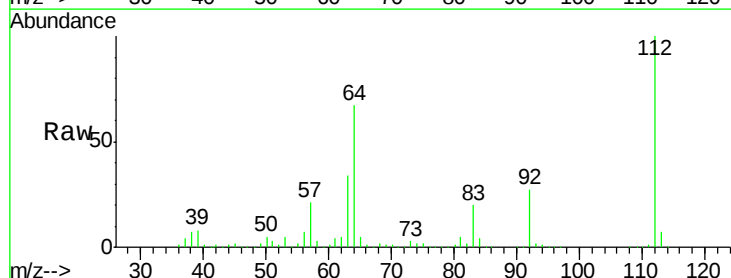
Tgt Ion:112 Resp: 1355422

Ion Ratio Lower Upper

112 100

64 67.3 55.6 83.4

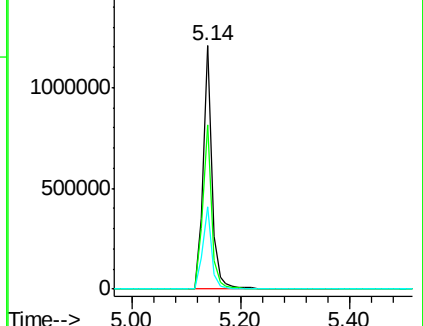
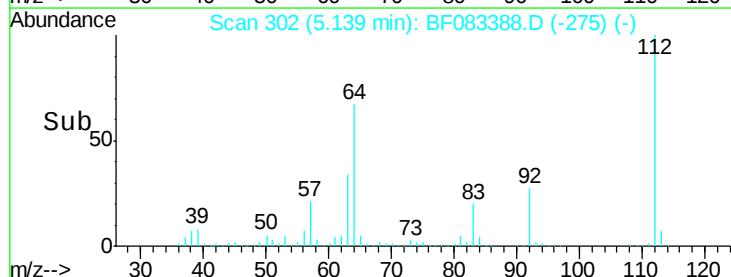
63 34.1 28.2 42.2



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: 136.41 ng

RT: 6.22 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

Instrument :

BNA_F

ClientSampleId :

S24-15.5

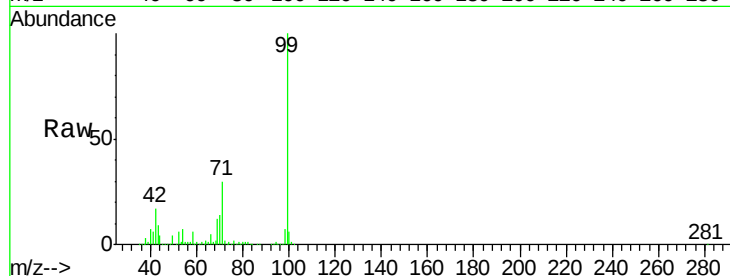
Tgt Ion: 99 Resp: 1932494

Ion Ratio Lower Upper

99 100

42 17.0 14.9 22.3

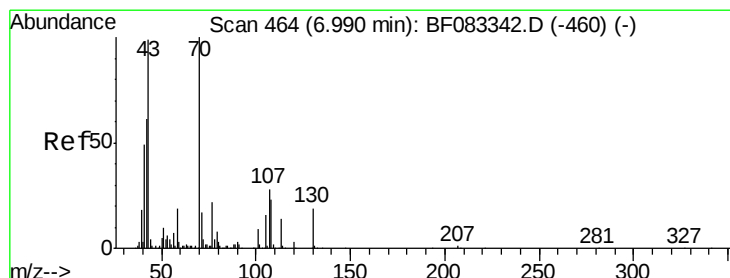
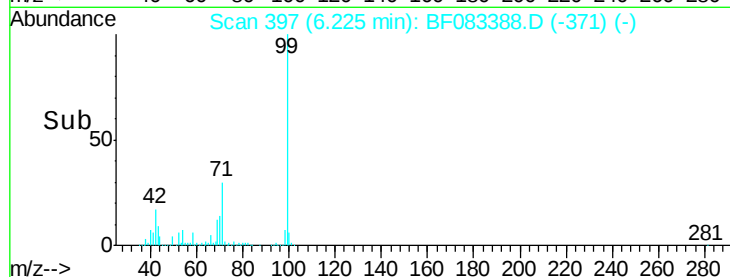
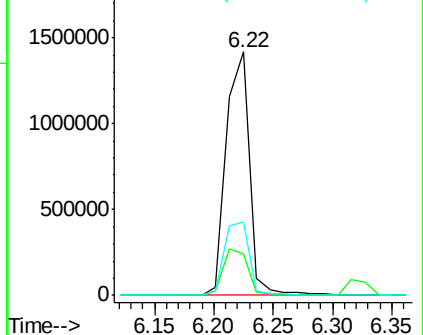
71 30.4 24.7 37.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.21 ng

RT: 7.12 min Scan# 475

Delta R.T. 0.13 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

Tgt Ion: 70 Resp: 154056

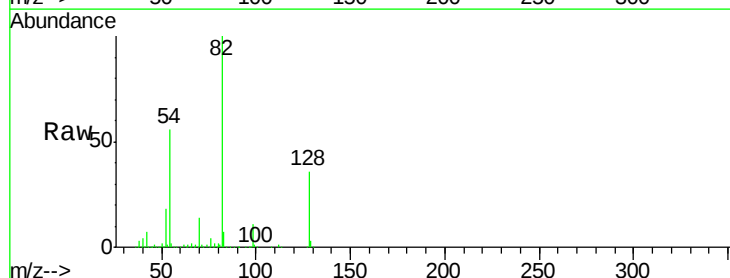
Ion Ratio Lower Upper

70 100

42 53.1 48.8 73.2

101 0.0 7.1 10.7#

130 1.7 15.0 22.6#

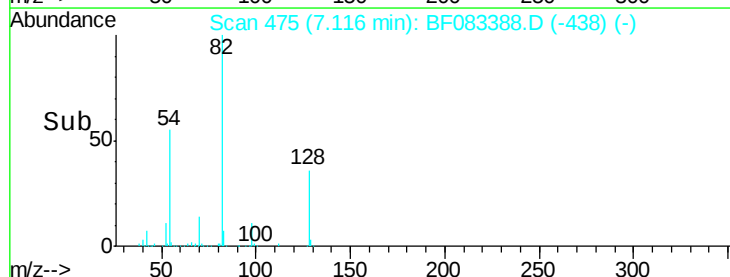
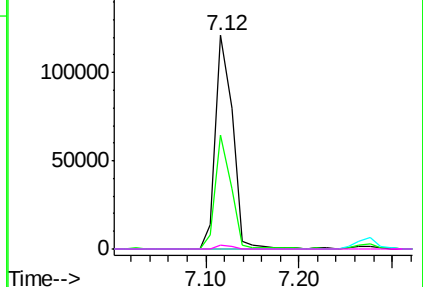


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

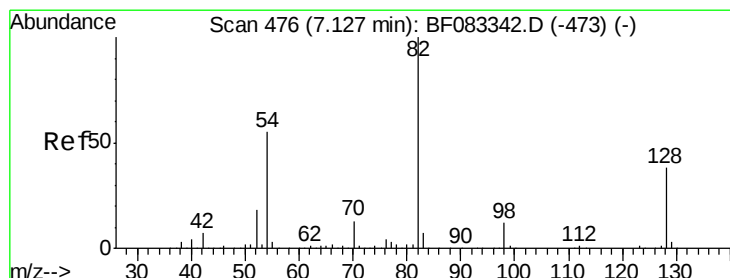
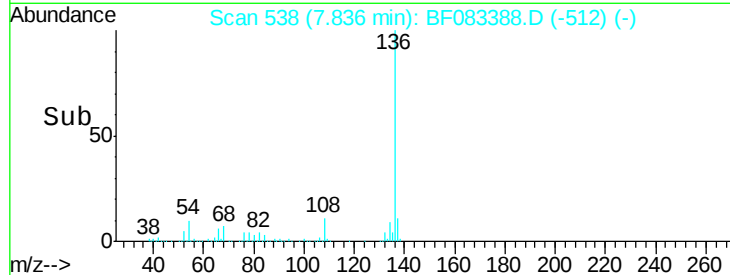
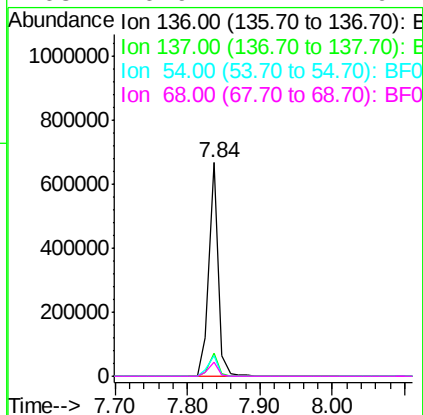
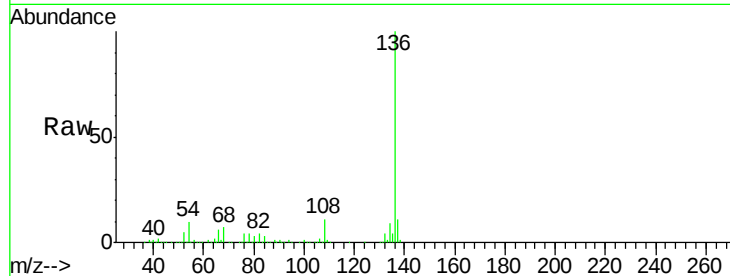




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

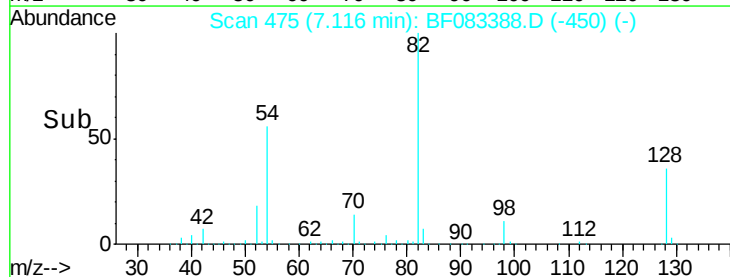
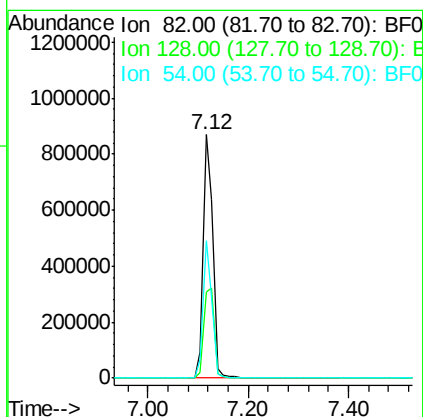
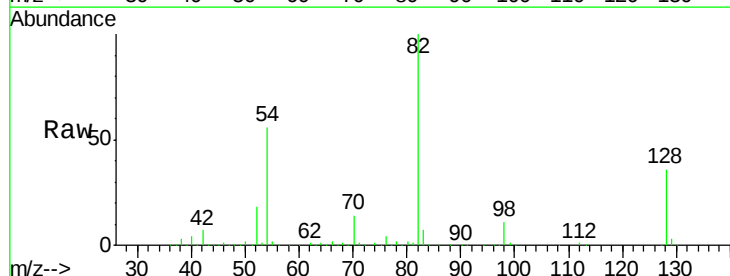
Instrument :
BNA_F
ClientSampleId :
S24-15.5

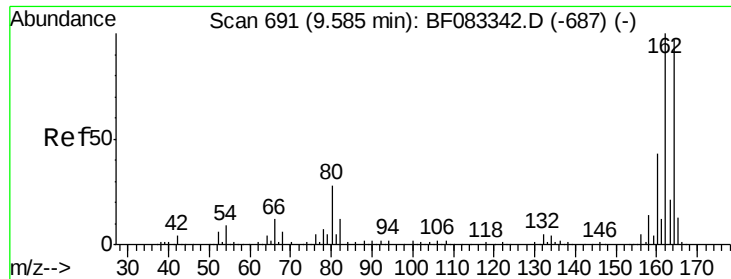
Tgt Ion:136 Resp: 596706
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.7 10.1 15.1#
68 6.9 7.1 10.7#



#23
Nitrobenzene-d5
Concen: 84.82 ng
RT: 7.12 min Scan# 475
Delta R.T. -0.01 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

Tgt Ion: 82 Resp: 1151359
Ion Ratio Lower Upper
82 100
128 35.6 30.6 46.0
54 56.4 43.8 65.6

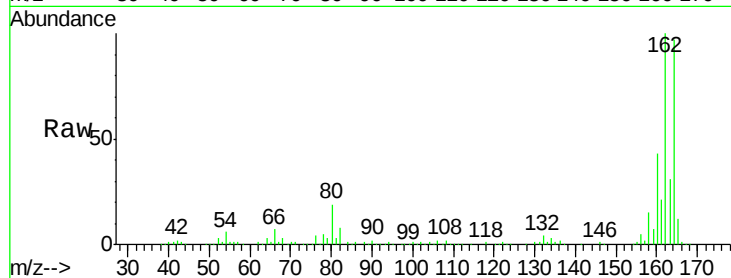




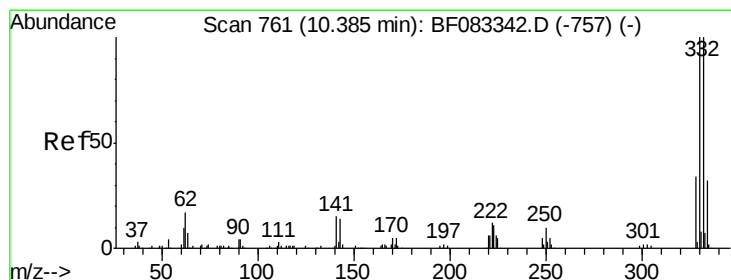
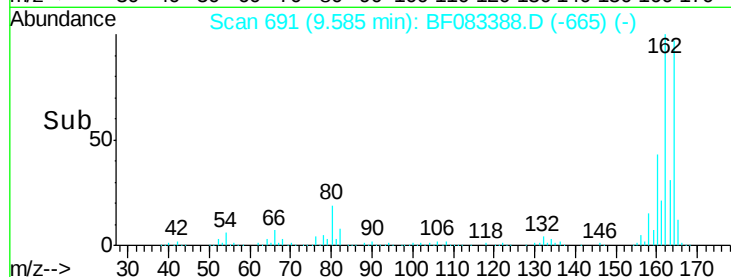
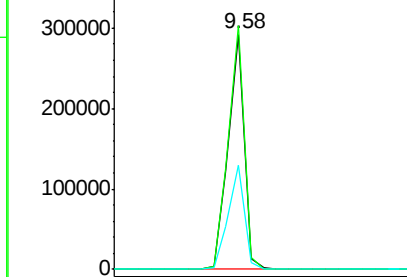
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 691
Delta R.T. 0.00 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

Instrument :
BNA_F
ClientSampleId :
S24-15.5

Tgt Ion:164 Resp: 296909
Ion Ratio Lower Upper
164 100
162 103.6 82.6 123.8
160 44.3 35.3 52.9

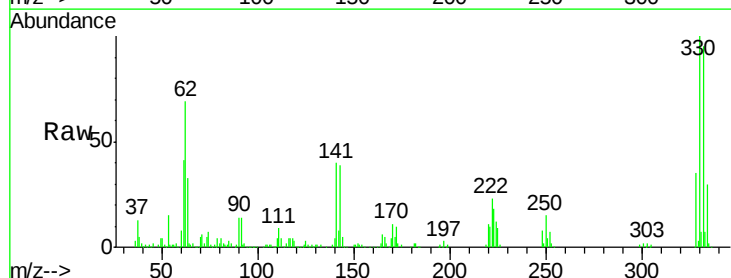


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

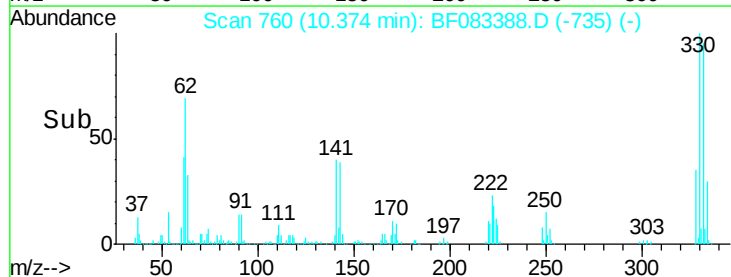
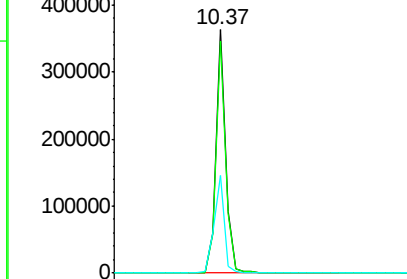


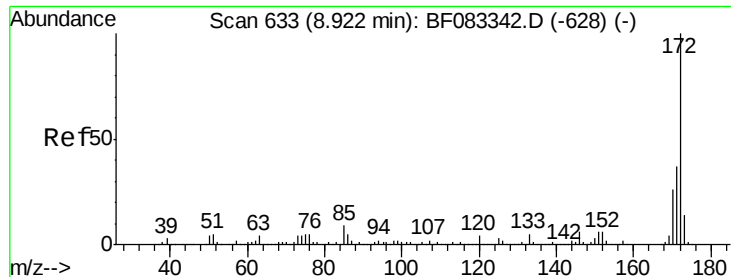
#41
2,4,6-Tribromophenol
Concen: 122.34 ng
RT: 10.37 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

Tgt Ion:330 Resp: 364638
Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.6
141 42.0 29.4 44.0



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

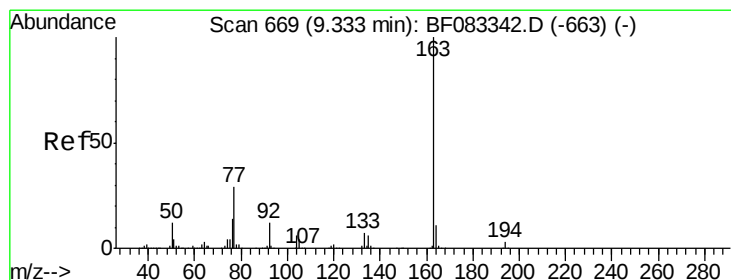
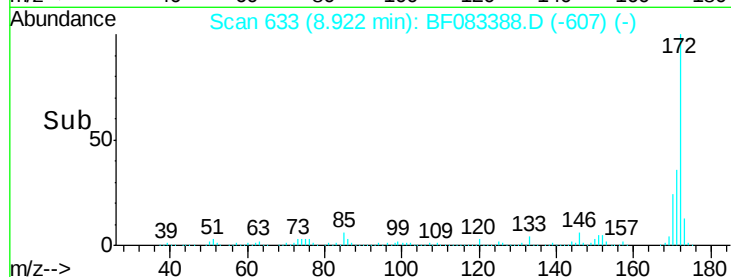
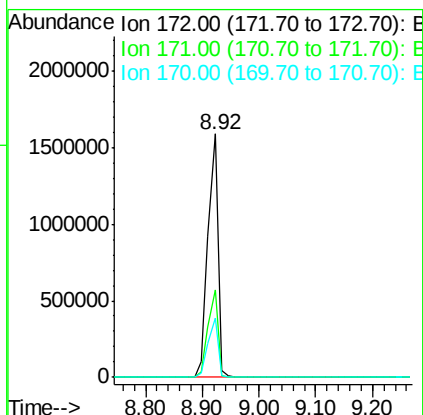
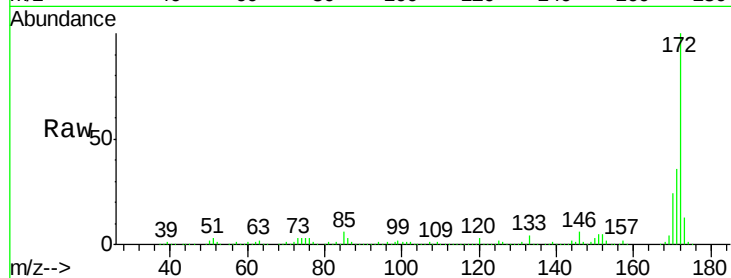




#44
2-Fluorobiphenyl
Concen: 88.72 ng
RT: 8.92 min Scan# 633
Delta R.T. 0.00 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

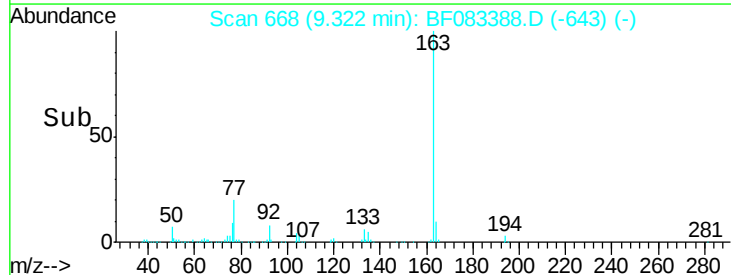
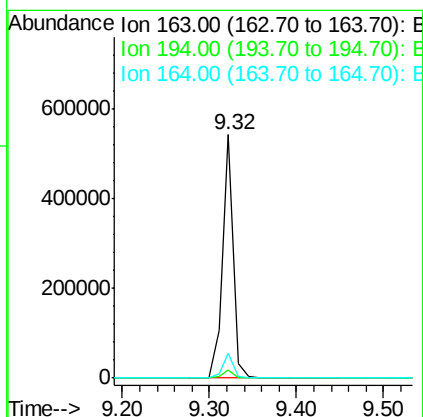
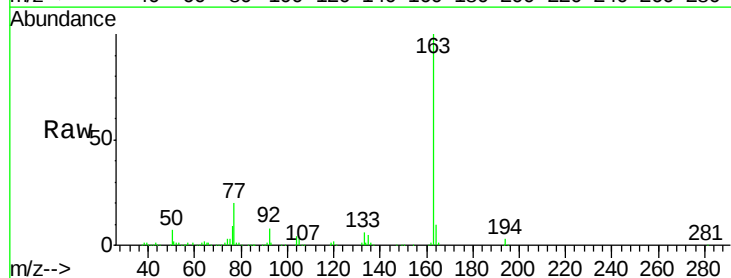
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S24-15.5

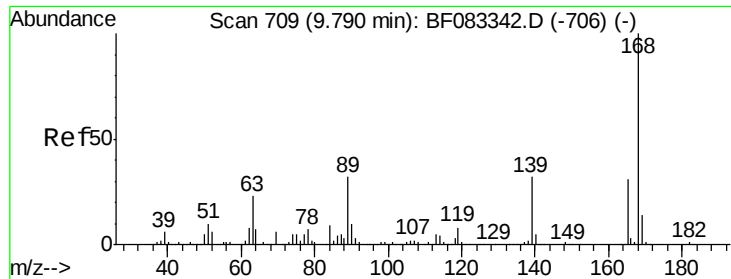
Tgt Ion:172 Resp: 1848446
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 24.4 20.4 30.6



#49
Dimethylphthalate
Concen: 19.66 ng
RT: 9.32 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

Tgt Ion:163 Resp: 474313
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.0 8.8 13.2

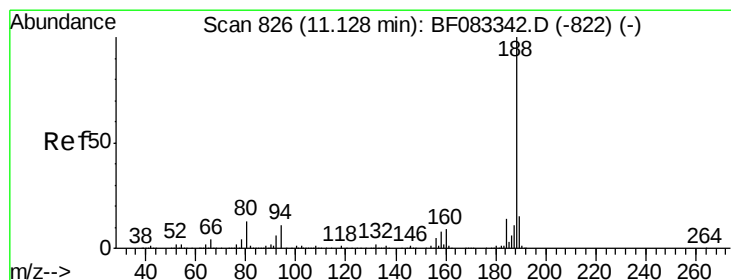
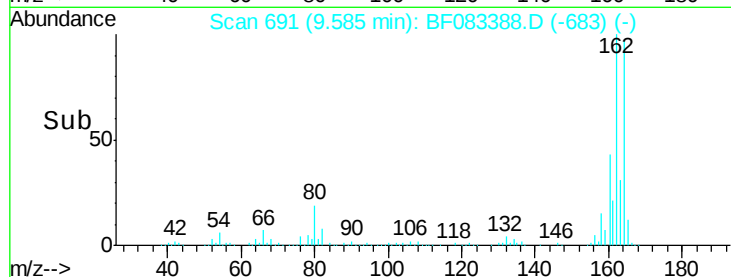
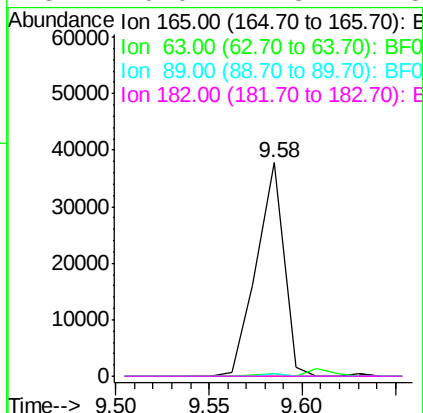
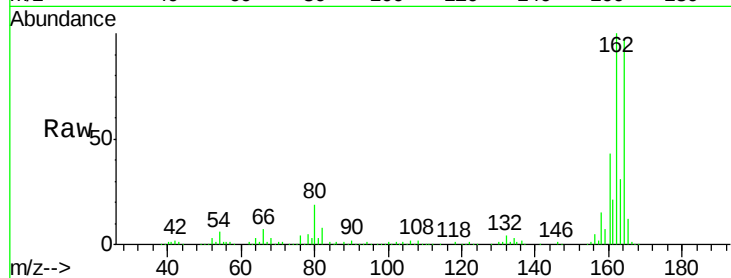




#56
 2,4-Dinitrotoluene
 Concen: 5.89 ng
 RT: 9.58 min Scan# 691
 Delta R.T. -0.21 min
 Lab File: BF083388.D
 Acq: 1 Dec 2015 22:58

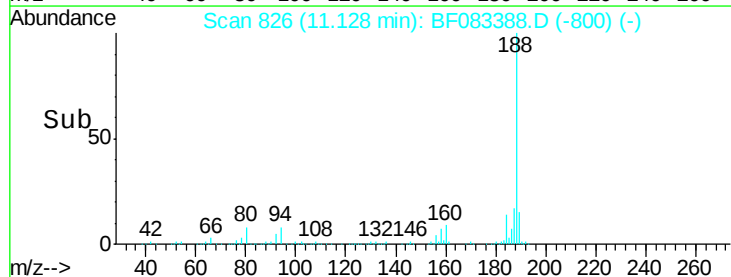
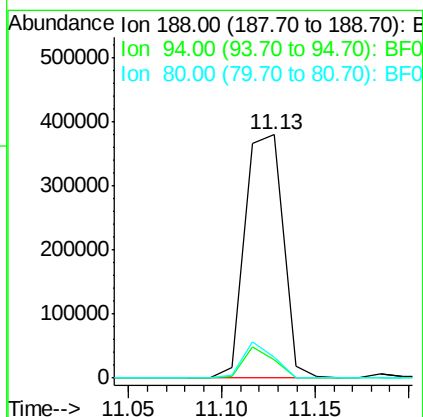
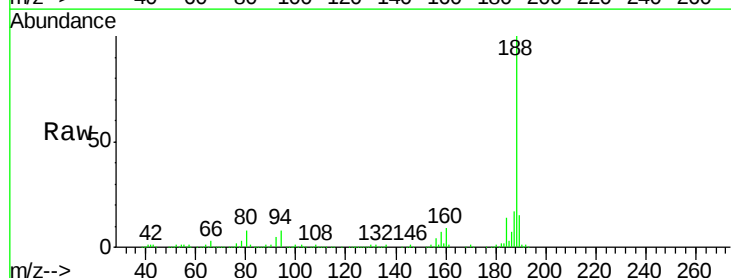
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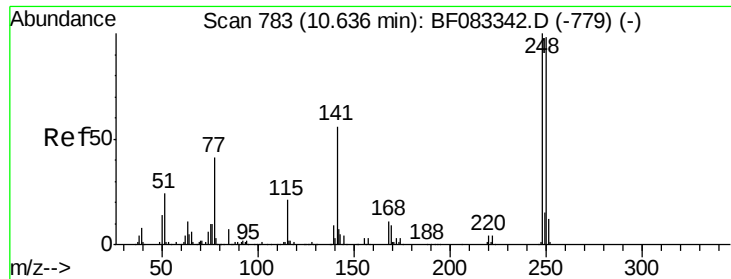
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	65.4	98.0#
89	1.5	81.2	121.8#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF083388.D
 Acq: 1 Dec 2015 22:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	8.7	13.1#
80	8.5	10.3	15.5#

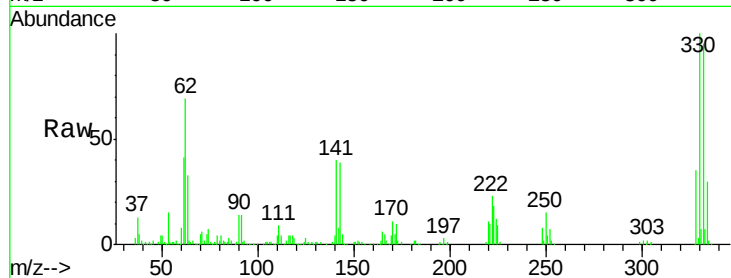




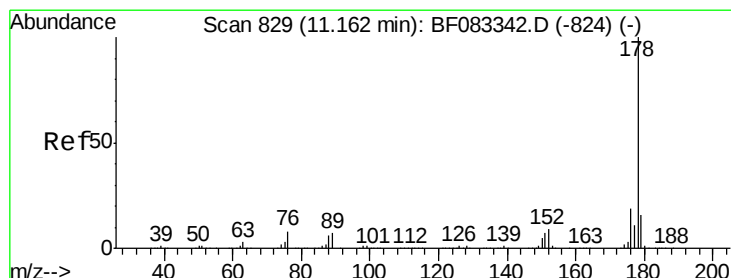
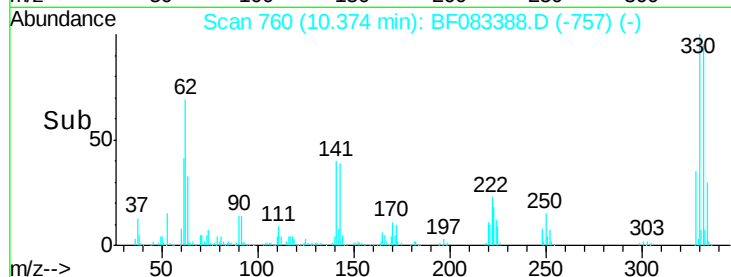
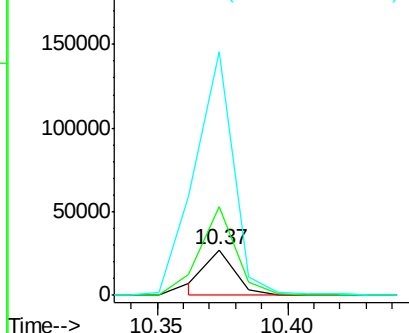
#66
4-Bromophenyl-phenylether
Concen: 3.63 ng
RT: 10.37 min Scan# 760
Delta R.T. -0.26 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

Instrument :
BNA_F
ClientSampleId :
S24-15.5

Tgt Ion:248 Resp: 21372
Ion Ratio Lower Upper
248 100
250 194.5 78.6 118.0#
141 532.6 44.4 66.6#

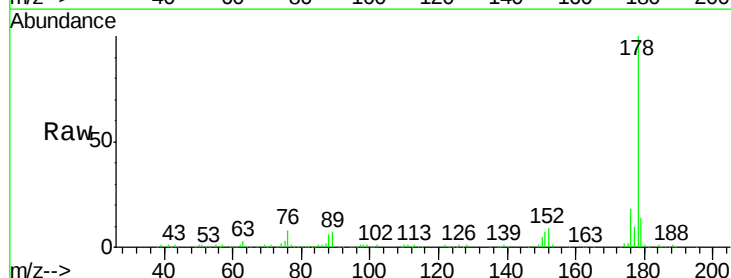


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

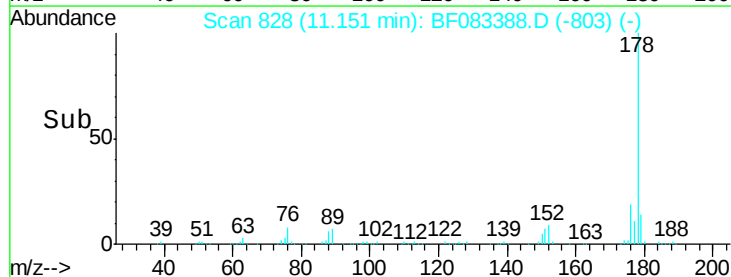
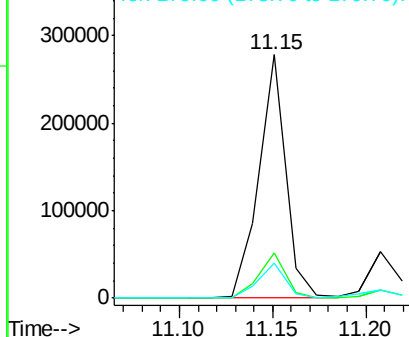


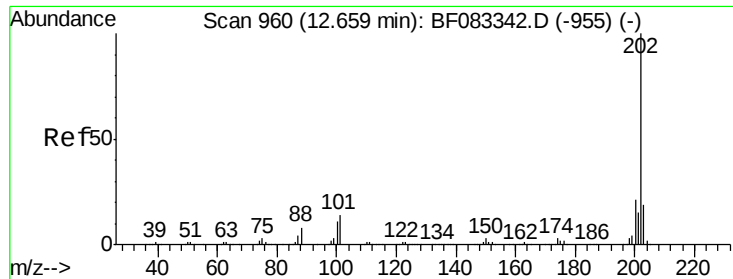
#70
Phenanthrene
Concen: 8.69 ng
RT: 11.15 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

Tgt Ion:178 Resp: 276927
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 14.5 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

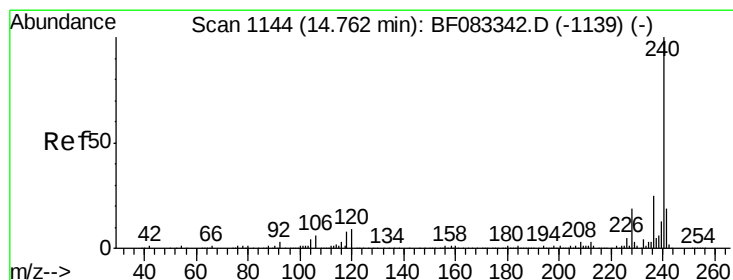
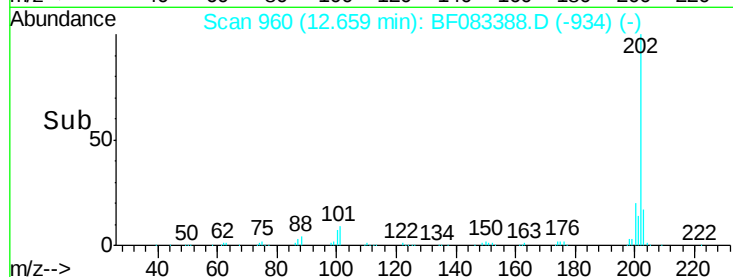
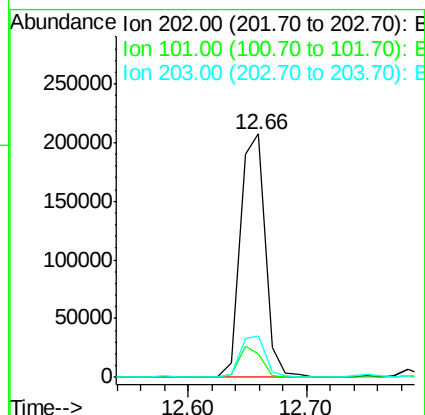
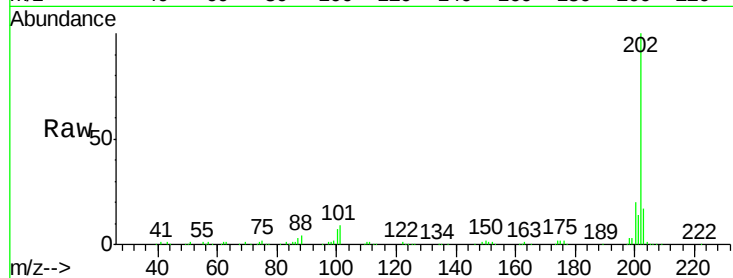




#74
 Fluoranthene
 Concen: 9.12 ng
 RT: 12.66 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: BF083388.D
 Acq: 1 Dec 2015 22:58

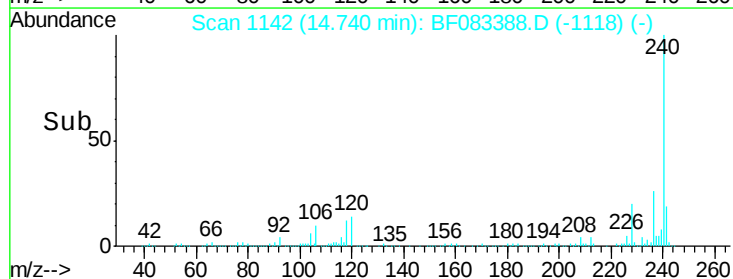
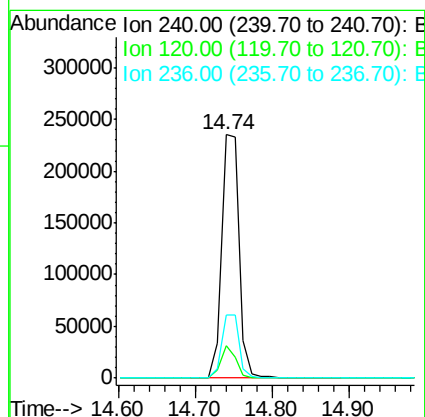
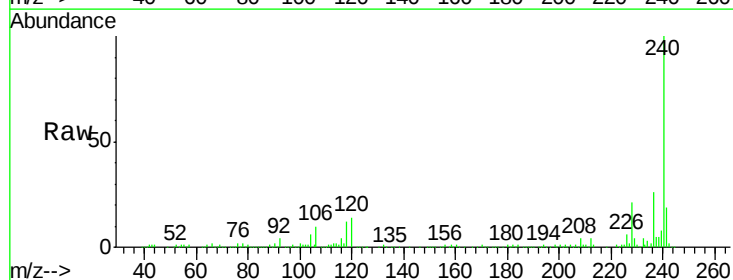
Instrument :
 BNA_F
 ClientSampleId :
 S24-15.5

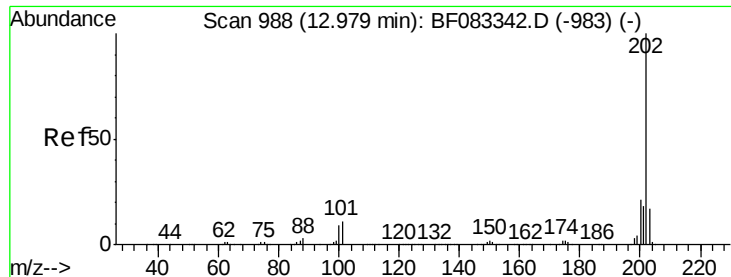
Tgt Ion:202 Resp: 301279
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 34.5
 203 16.9 0.0 38.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.74 min Scan# 1142
 Delta R.T. -0.02 min
 Lab File: BF083388.D
 Acq: 1 Dec 2015 22:58

Tgt Ion:240 Resp: 377824
 Ion Ratio Lower Upper
 240 100
 120 13.6 6.9 10.3#
 236 25.9 19.8 29.6





#77

Pyrene

Concen: 10.37 ng

RT: 12.97 min Scan# 987

Delta R.T. -0.01 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

Instrument :

BNA_F

ClientSampleId :

S24-15.5

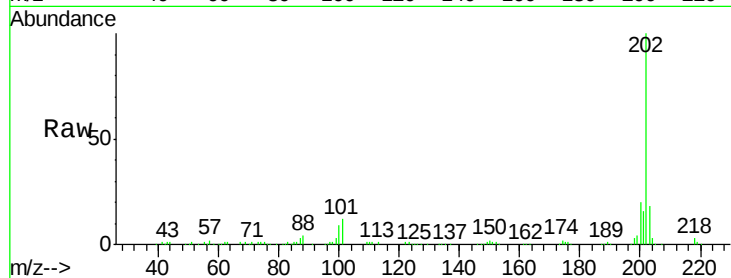
Tgt Ion:202 Resp: 273566

Ion Ratio Lower Upper

202 100

200 20.0 16.9 25.3

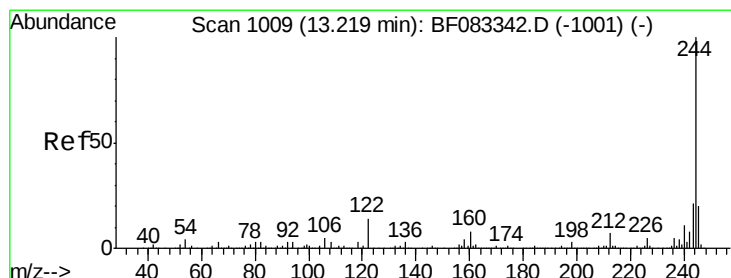
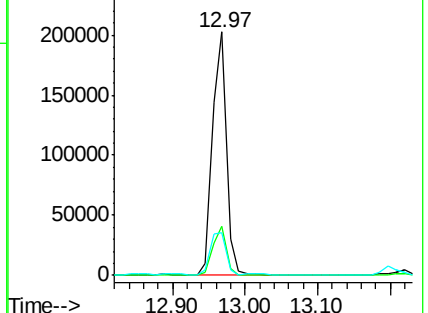
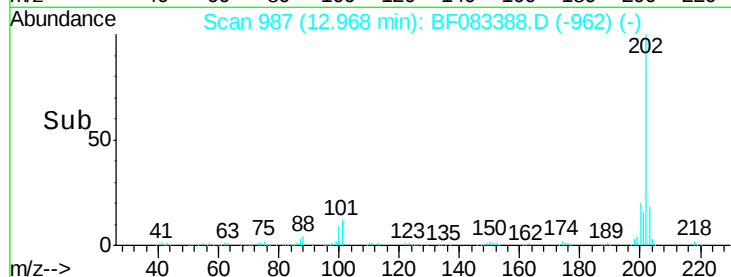
203 17.7 13.9 20.9



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: 97.89 ng

RT: 13.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

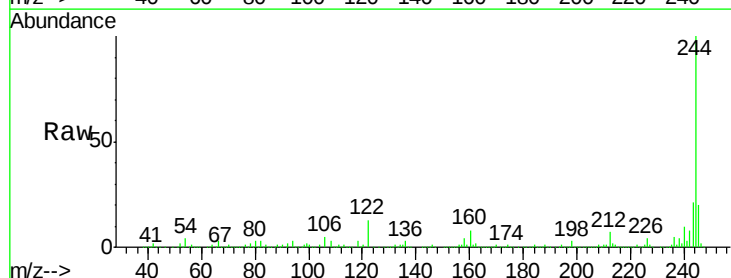
Tgt Ion:244 Resp: 1550797

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

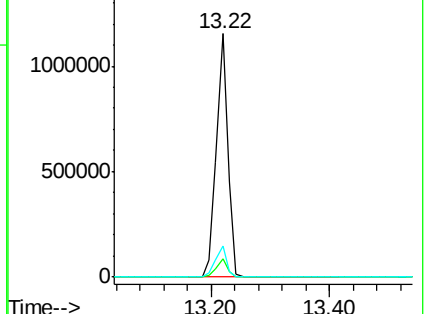
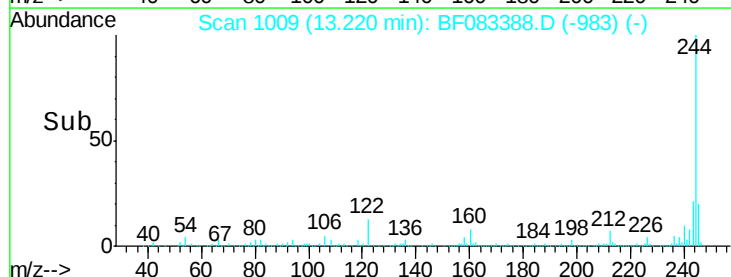
122 13.0 11.0 16.4

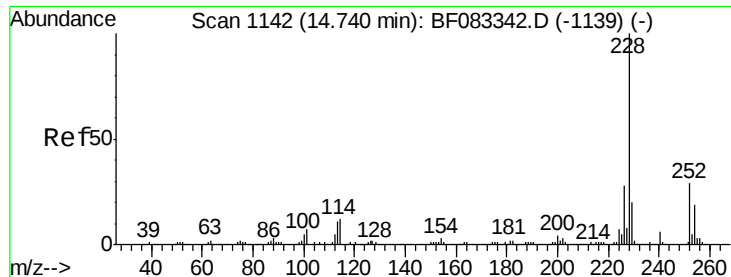


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.37 ng

RT: 14.73 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

Instrument :

BNA_F

ClientSampleId :

S24-15.5

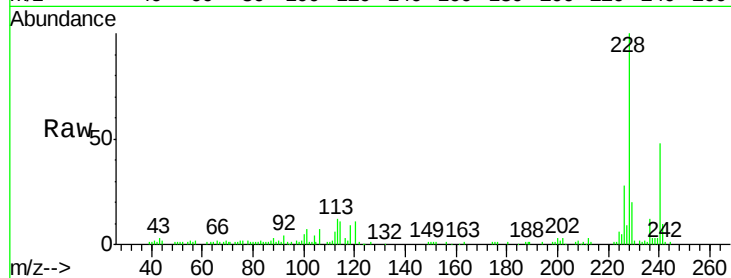
Tgt Ion:228 Resp: 101039

Ion Ratio Lower Upper

228 100

226 27.8 22.2 33.4

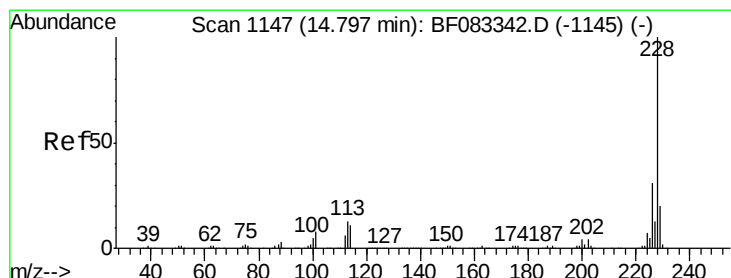
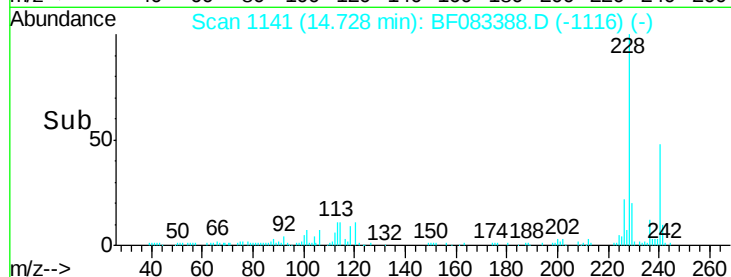
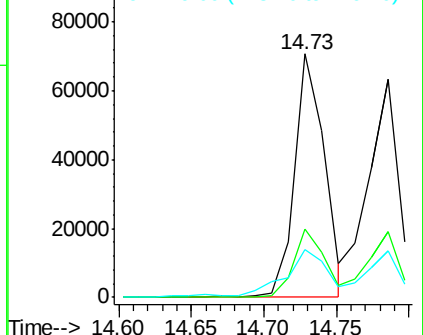
229 19.9 16.1 24.1



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



#82

Chrysene

Concen: 4.18 ng

RT: 14.79 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

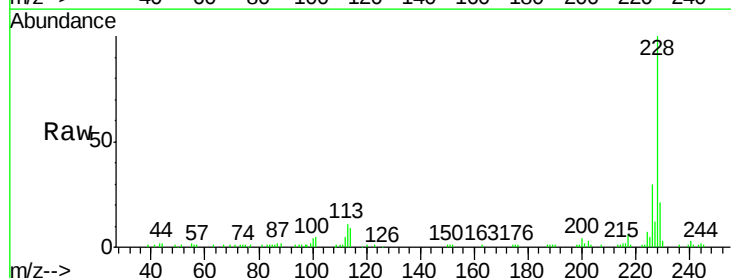
Tgt Ion:228 Resp: 93493

Ion Ratio Lower Upper

228 100

226 30.1 24.6 37.0

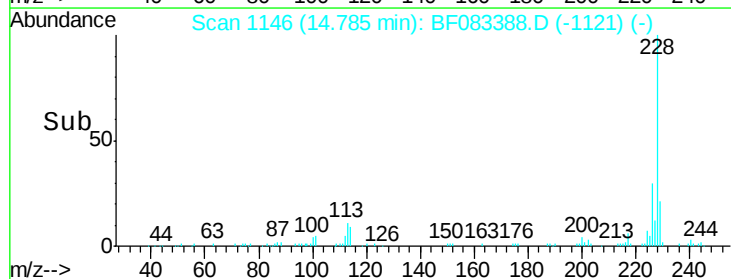
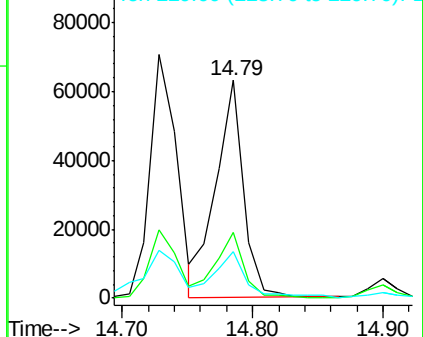
229 21.4 16.2 24.2

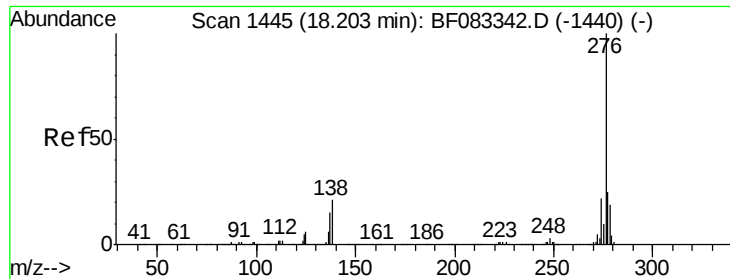


Abundance Ion 228.00 (227.70 to 228.70): E

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: 2.69 ng

RT: 18.19 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

Instrument :

BNA_F

ClientSampleId :

S24-15.5

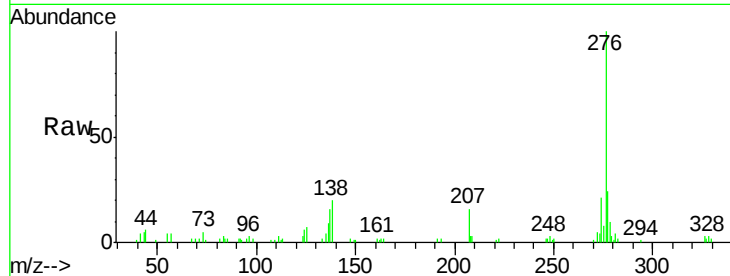
Tgt Ion:276 Resp: 43895

Ion Ratio Lower Upper

276 100

138 29.1 21.2 31.8

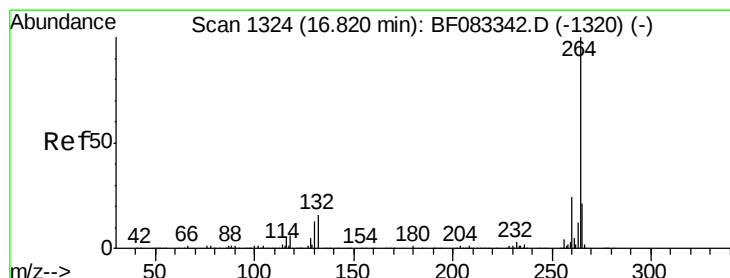
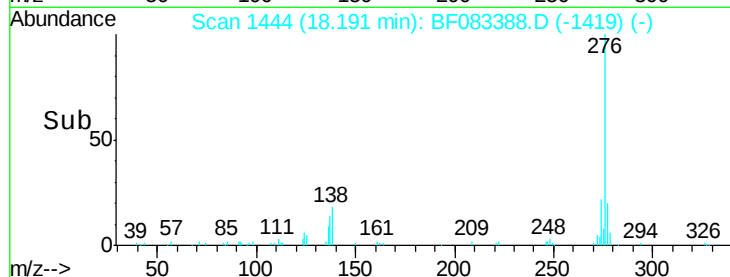
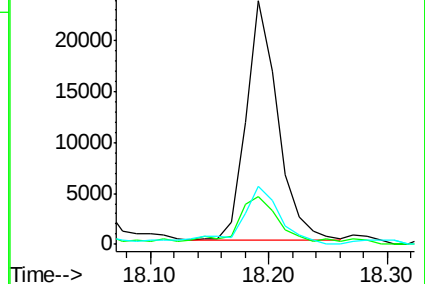
277 31.7 20.0 30.0#



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: 16.81 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

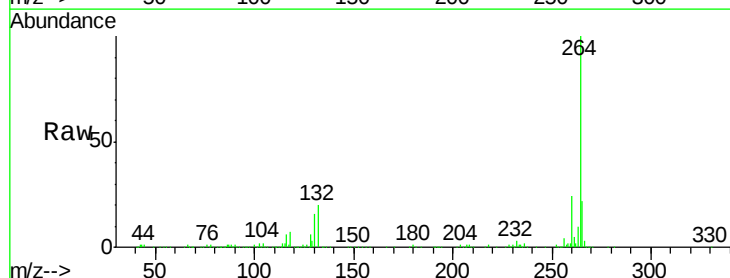
Tgt Ion:264 Resp: 333104

Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.4

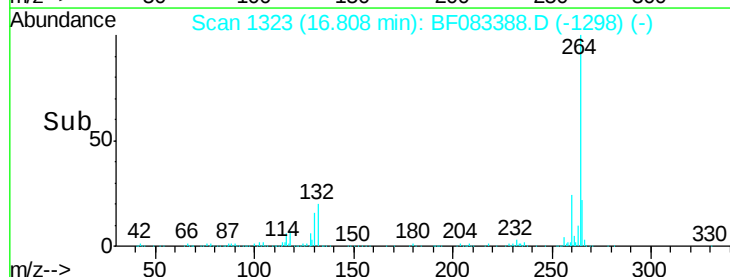
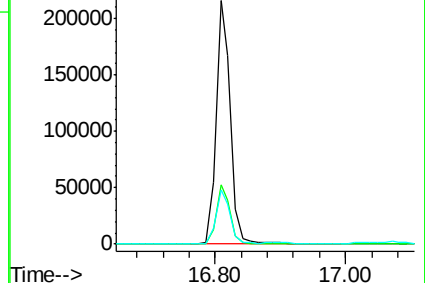
265 22.2 16.8 25.2

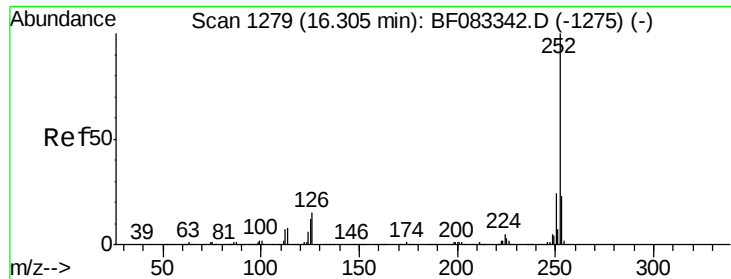


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

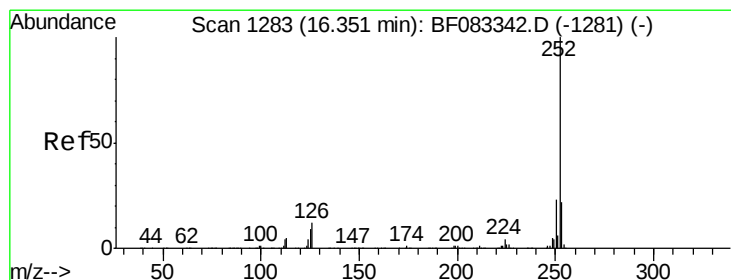
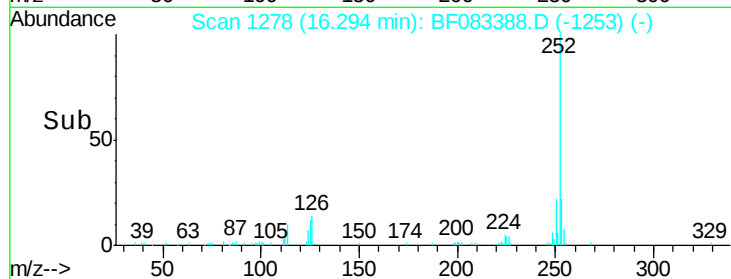
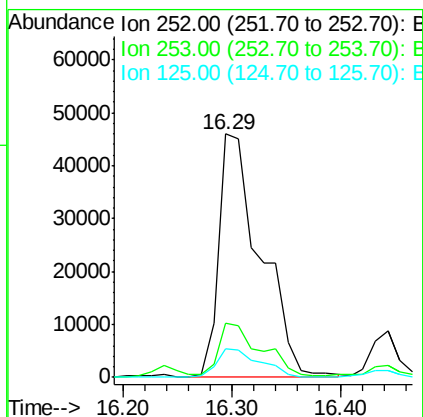
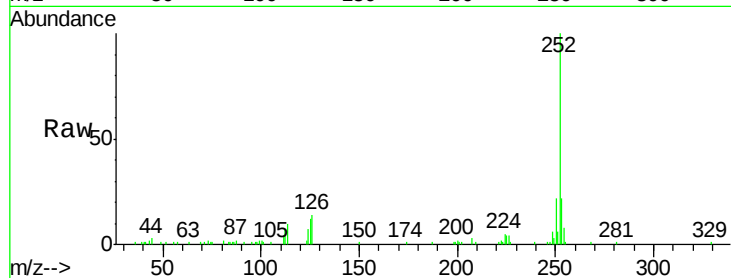




#87
Benzo(b)fluoranthene
Concen: 5.77 ng
RT: 16.29 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

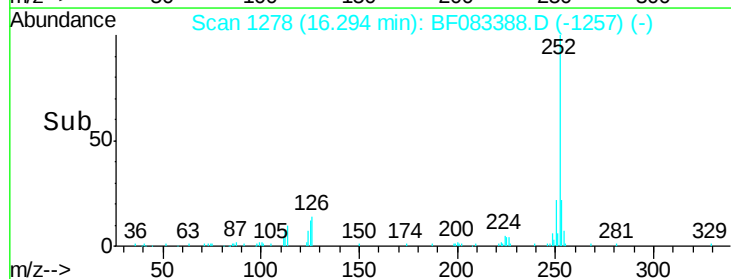
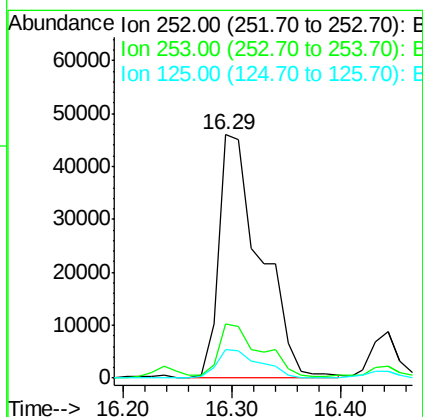
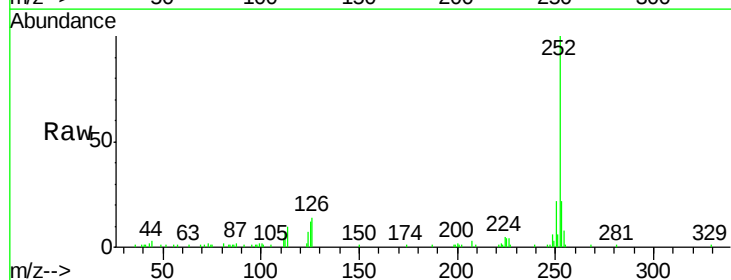
Instrument :
BNA_F
ClientSampleId :
S24-15.5

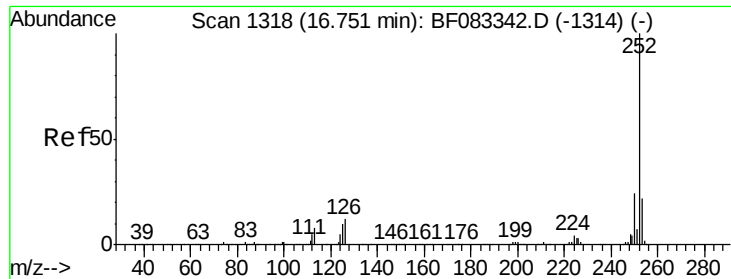
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.4	27.6
125	11.9	9.6	14.4



#88
Benzo(k)fluoranthene
Concen: 6.11 ng
RT: 16.29 min Scan# 1278
Delta R.T. -0.06 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	11.9	7.5	11.3#





#89

Benzo(a)pyrene

Concen: 3.81 ng

RT: 16.74 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

Instrument :

BNA_F

ClientSampleId :

S24-15.5

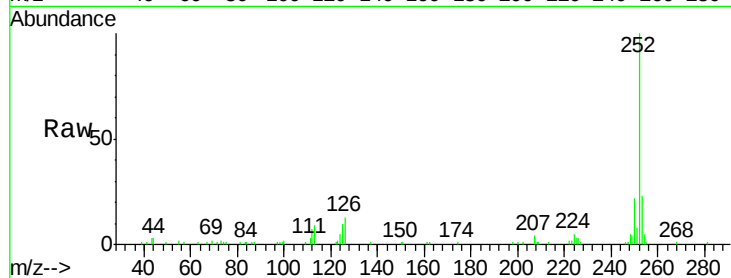
Tgt Ion:252 Resp: 69880

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

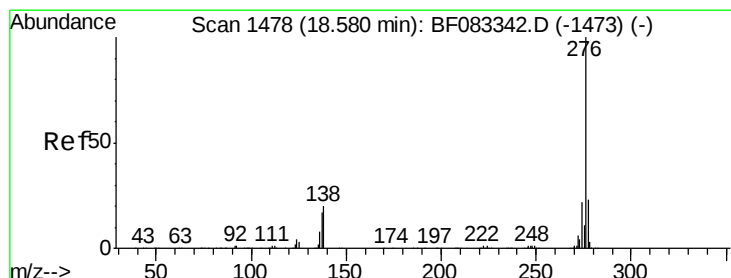
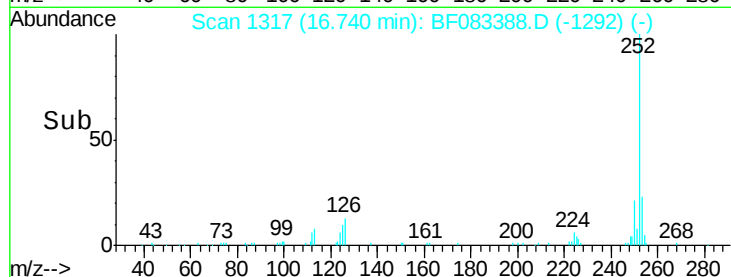
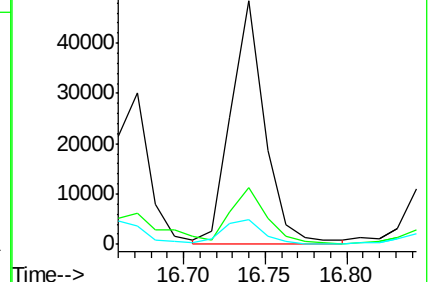
125 10.2 7.8 11.8



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: 2.93 ng

RT: 18.57 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

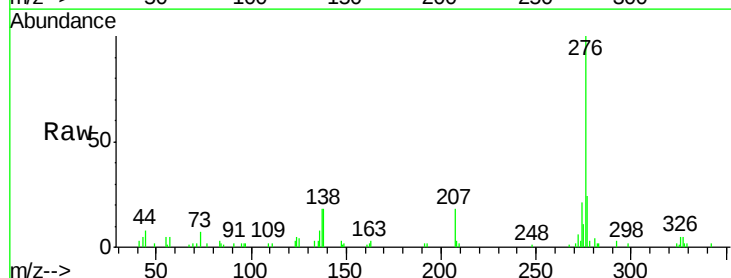
Tgt Ion:276 Resp: 45942

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 17.5 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

