

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
 Data File : BF083434.D
 Acq On : 2 Dec 2015 23:21
 Operator : UM/IZ
 Sample : G4582-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(0-6)

Quant Time: Dec 03 02:54:38 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	6.53	152	157720	20.00	ng	-0.01
21) Naphthalene-d8	7.82	136	638137	20.00	ng	-0.01
38) Acenaphthene-d10	9.57	164	318844	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	556278	20.00	ng	-0.02
75) Chrysene-d12	14.73	240	402059	20.00	ng	-0.03
86) Perylene-d12	16.79	264	357449	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.13	112	1436350	136.65	ng	0.00
7) Phenol-d6	6.21	99	1933021	134.36	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1364587	94.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	372711	116.45	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	1867657	83.47	ng	-0.01
78) Terphenyl-d14	13.20	244	1610674	95.54	ng	-0.02

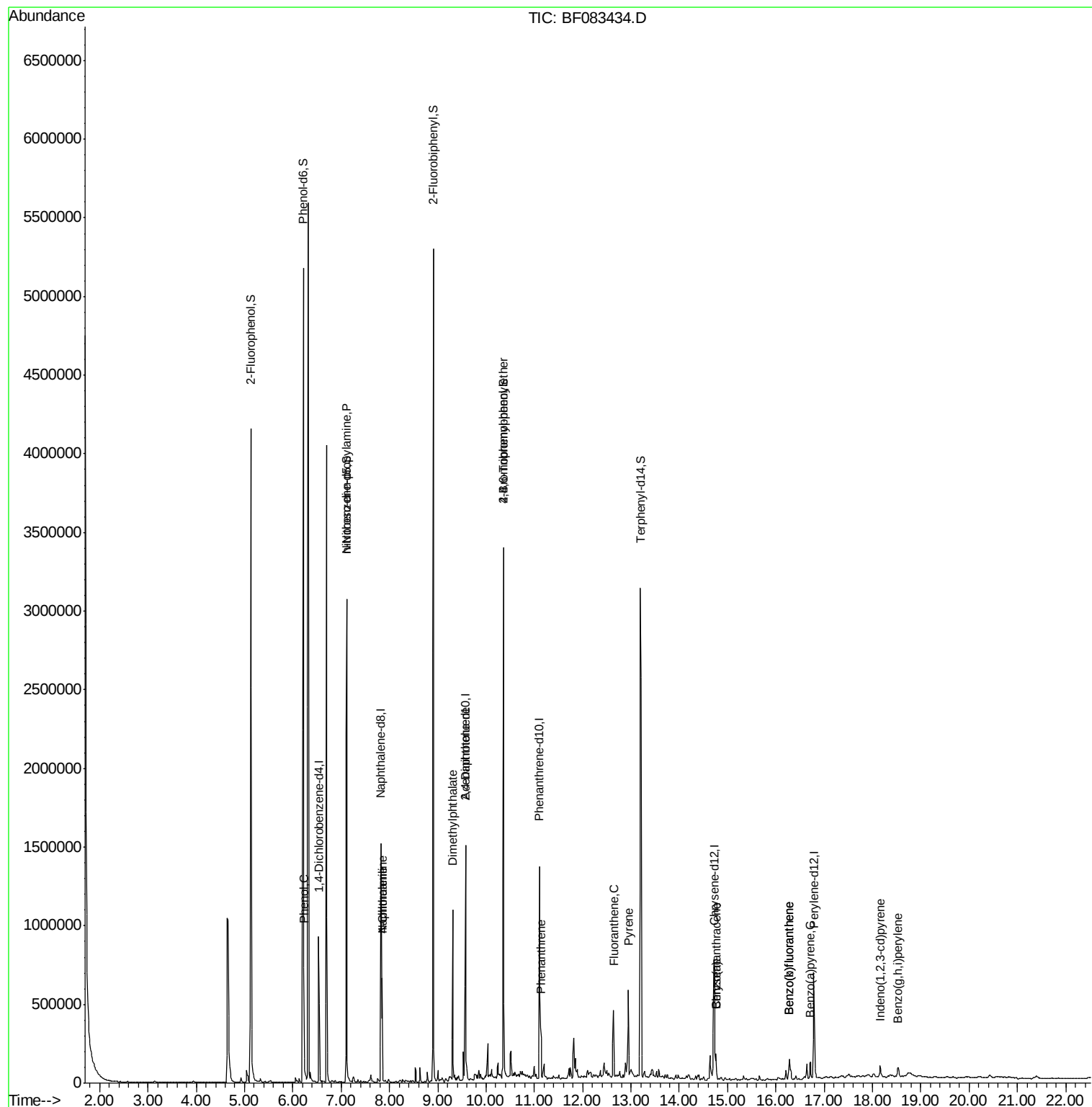
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.05	77	1565	Below Cal		# 1
10) Phenol	6.22	94	43569	2.52	ng	81
19) n-Nitroso-di-n-propylamine	7.12	70	184291	17.92	ng	# 79
31) Naphthalene	7.85	128	293157	8.47	ng	97
33) 4-Chloroaniline	7.85	127	36976	2.48	ng	# 35
49) Dimethylphthalate	9.31	163	426065	16.44	ng	99
56) 2,4-Dinitrotoluene	9.57	165	42538	6.06	ng	# 7
66) 4-Bromophenyl-phenylether	10.36	248	25746	4.23	ng	# 1
70) Phenanthrene	11.14	178	171341	5.20	ng	96
74) Fluoranthene	12.64	202	225152	6.60	ng	93
77) Pyrene	12.95	202	263918	9.40	ng	98
80) Benzo(a)anthracene	14.76	228	90468	3.67	ng	98
82) Chrysene	14.76	228	90468	3.80	ng	99
85) Indeno(1,2,3-cd)pyrene	18.16	276	47325	2.73	ng	95
87) Benzo(b)fluoranthene	16.27	252	118904	5.18	ng	99
88) Benzo(k)fluoranthene	16.27	252	118904	5.49	ng	# 95
89) Benzo(a)pyrene	16.72	252	64101	3.25	ng	99
91) Benzo(g,h,i)perylene	18.53	276	51352	3.05	ng	97

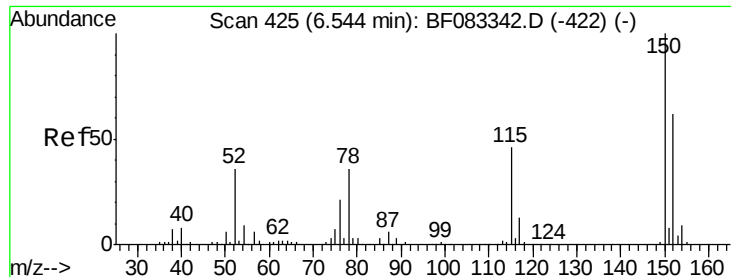
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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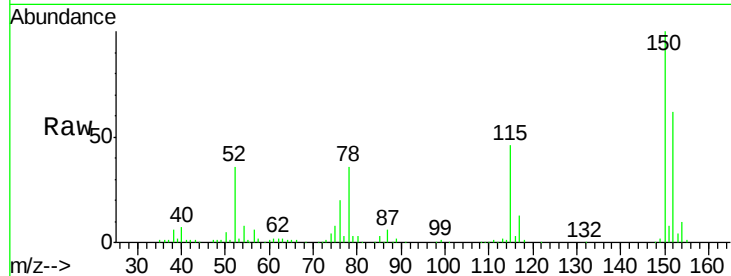


#1

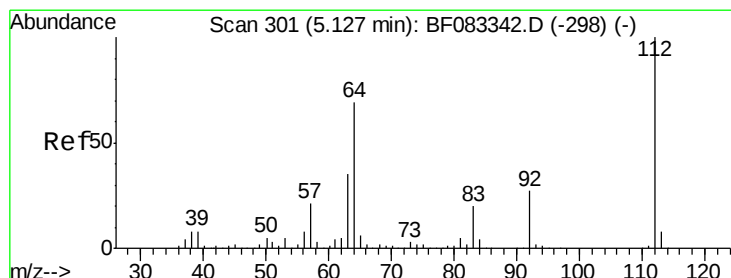
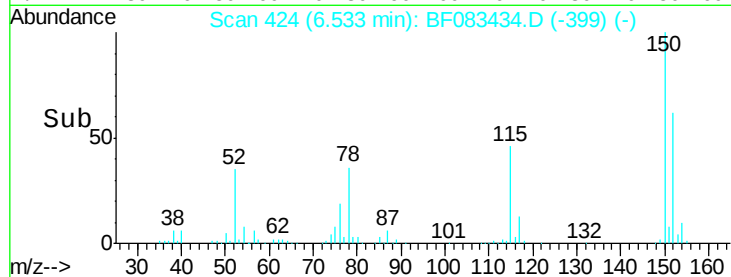
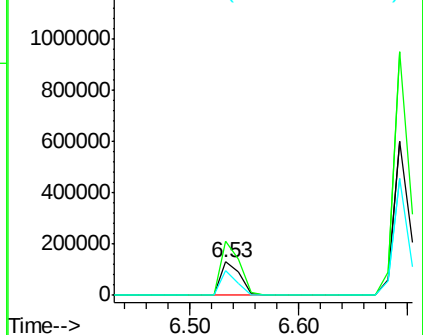
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.53 min Scan# 424
Delta R.T. -0.01 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

Tgt Ion:152 Resp: 157720
Ion Ratio Lower Upper
152 100
150 162.2 129.8 194.8
115 74.5 59.2 88.8



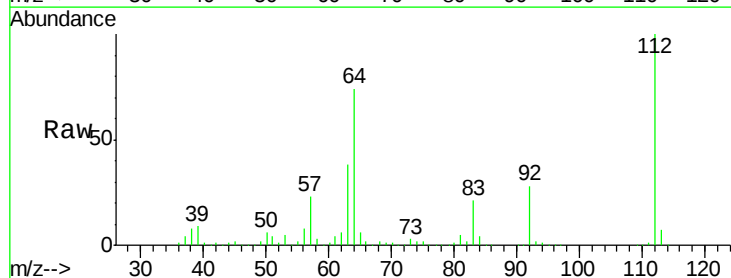
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



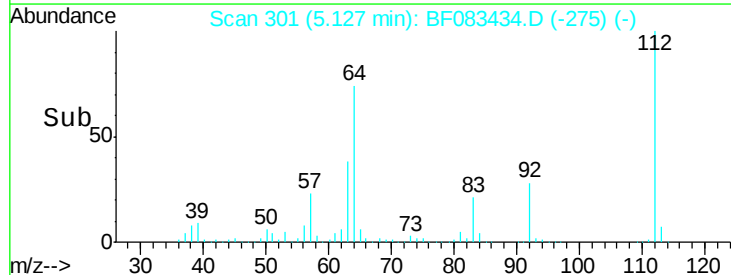
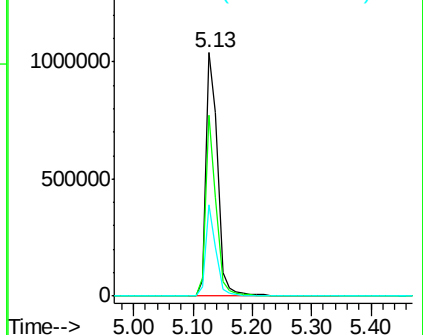
#5

2-Fluorophenol
Concen: 136.65 ng
RT: 5.13 min Scan# 301
Delta R.T. 0.00 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion:112 Resp: 1436350
Ion Ratio Lower Upper
112 100
64 74.1 55.6 83.4
63 37.6 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: 134.36 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083434.D

Acq: 2 Dec 2015 23:21

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(0-6)

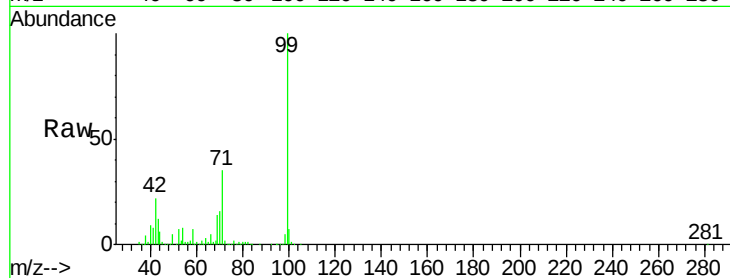
Tgt Ion: 99 Resp: 1933021

Ion Ratio Lower Upper

99 100

42 22.4 14.9 22.3#

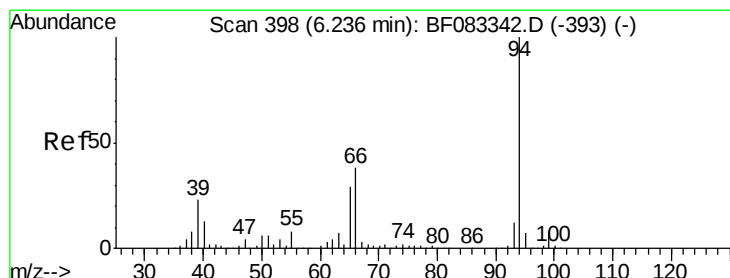
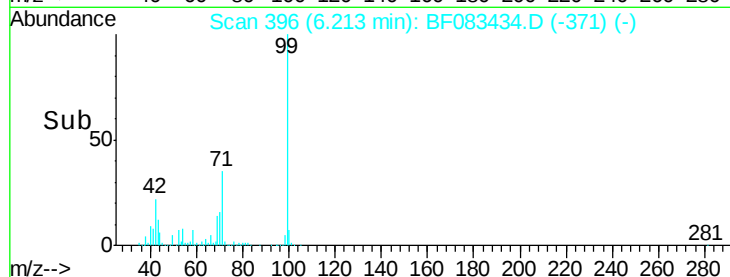
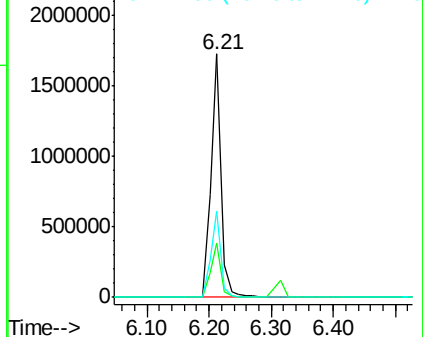
71 35.2 24.7 37.1



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



#10

Phenol

Concen: 2.52 ng

RT: 6.22 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF083434.D

Acq: 2 Dec 2015 23:21

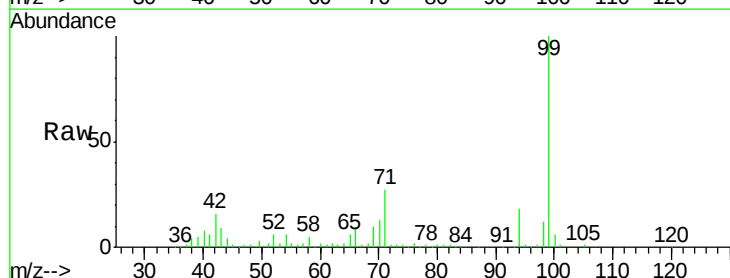
Tgt Ion: 94 Resp: 43569

Ion Ratio Lower Upper

94 100

65 32.1 9.5 49.5

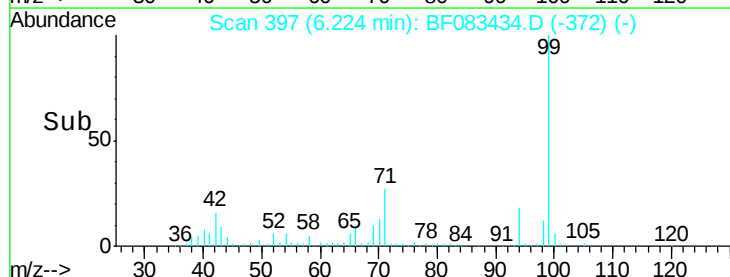
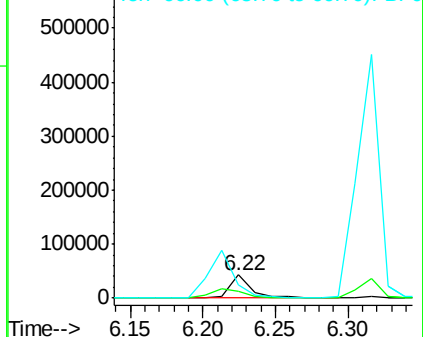
66 56.2 17.9 57.9

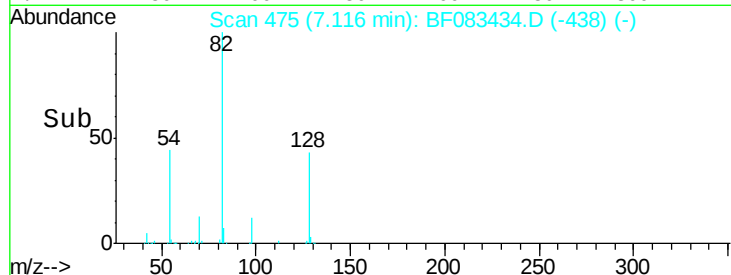
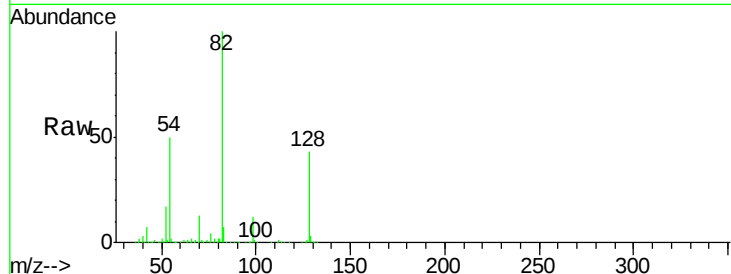
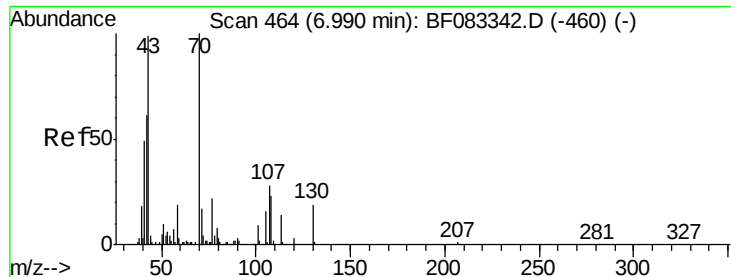


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

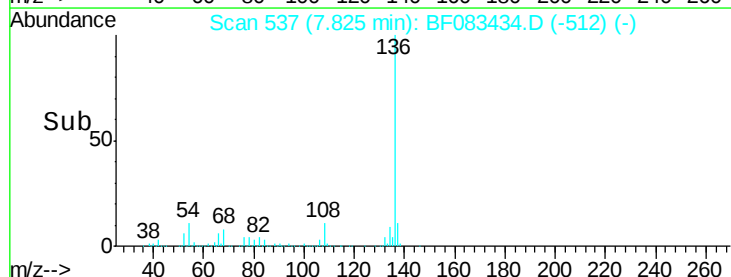
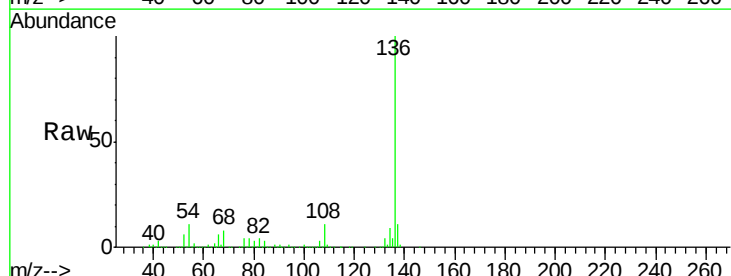
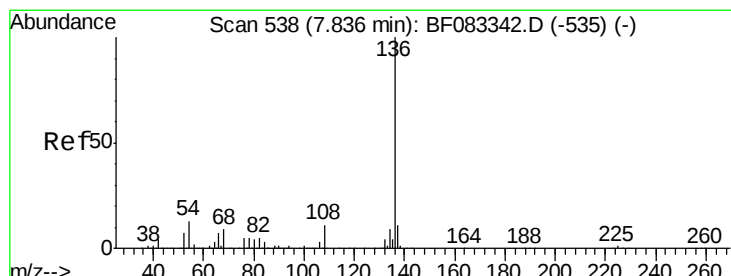
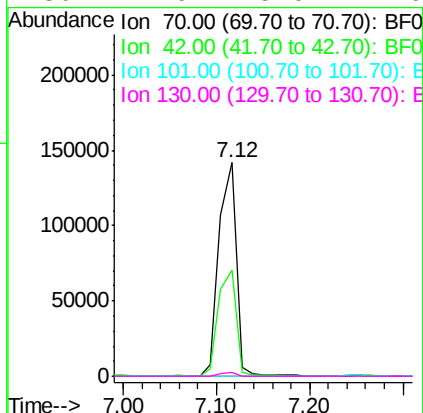




#19
n-Nitroso-di-n-propylamine
Concen: 17.92 ng
RT: 7.12 min Scan# 475
Delta R.T. 0.13 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

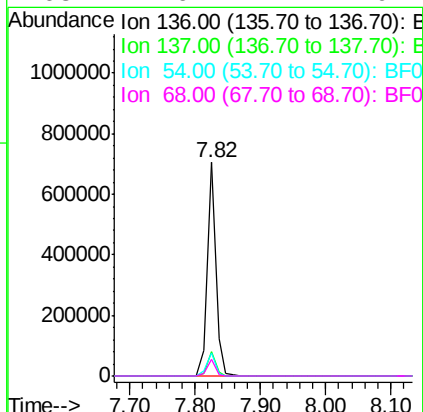
Instrument :
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SB-P3WC-05(0-6)

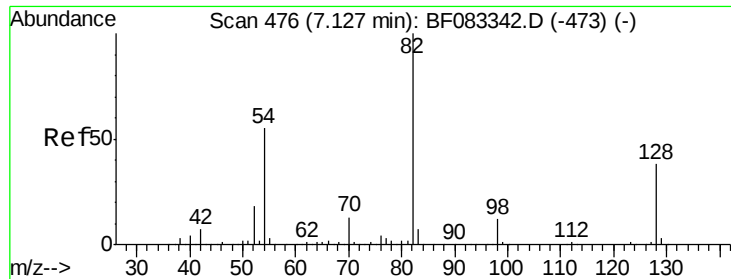
Tgt Ion:	70	Resp:	184291
Ion	Ratio	Lower	Upper
70	100		
42	49.5	48.8	73.2
101	0.0	7.1	10.7#
130	1.9	15.0	22.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.82 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion:	136	Resp:	638137
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	10.6	10.1	15.1
68	7.6	7.1	10.7

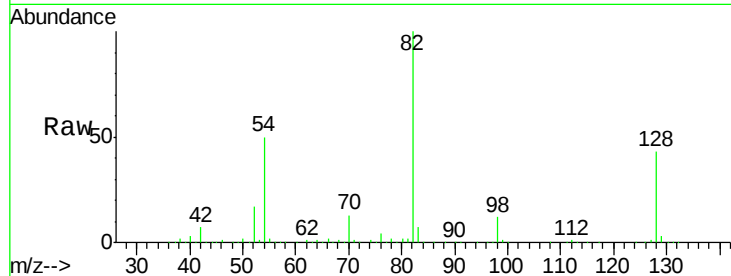




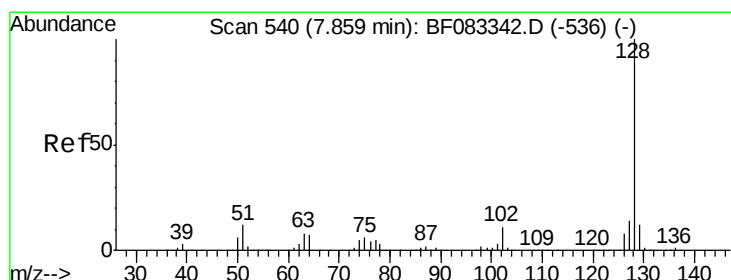
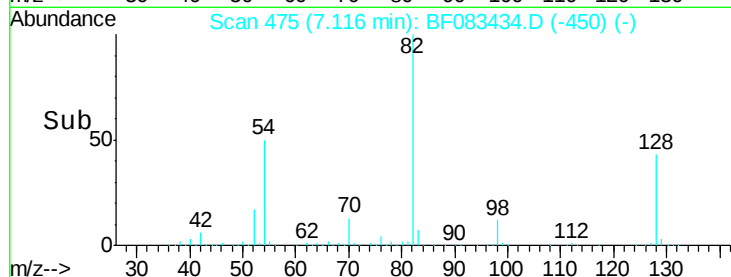
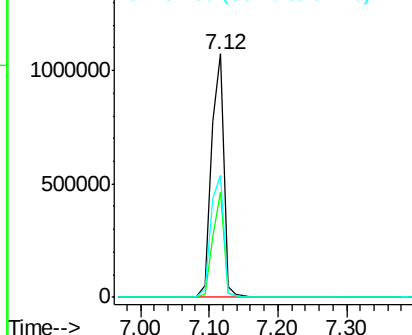
#23
Nitrobenzene-d5
Concen: 94.00 ng
RT: 7.12 min Scan# 475
Delta R.T. -0.01 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

Tgt Ion: 82 Resp: 1364587
Ion Ratio Lower Upper
82 100
128 43.3 30.6 46.0
54 50.1 43.8 65.6

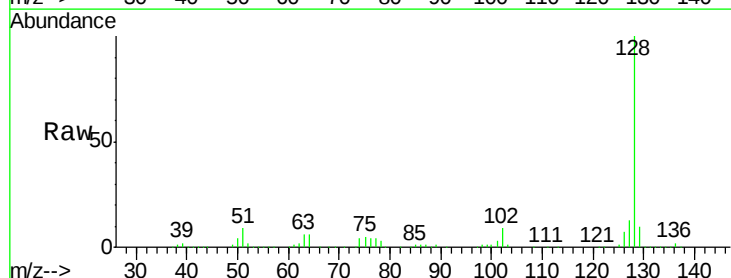


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

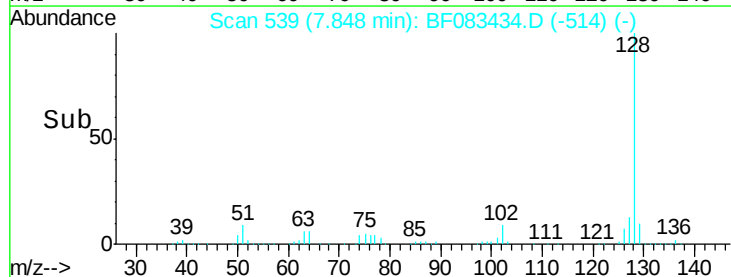
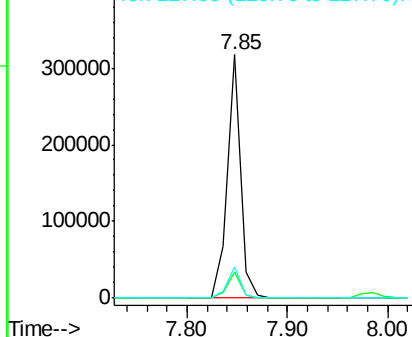


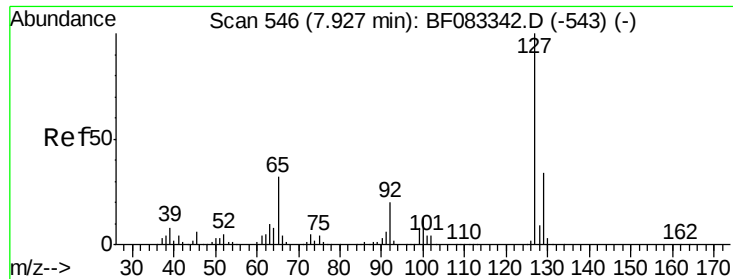
#31
Naphthalene
Concen: 8.47 ng
RT: 7.85 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion: 128 Resp: 293157
Ion Ratio Lower Upper
128 100
129 10.4 9.7 14.5
127 12.7 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

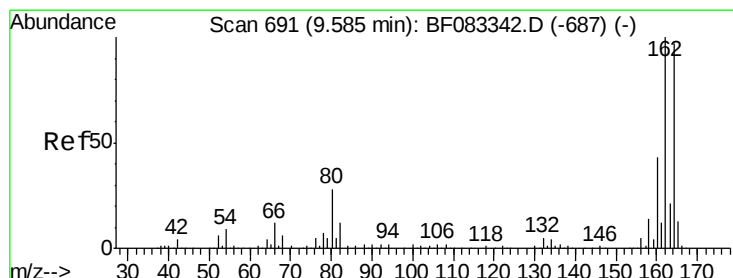
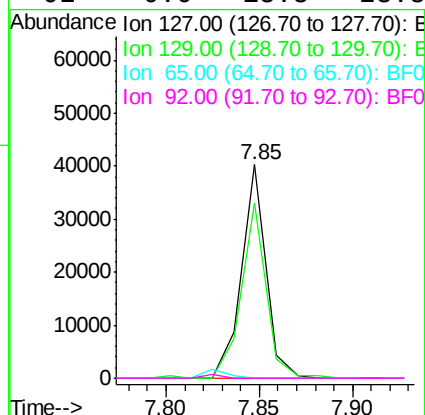
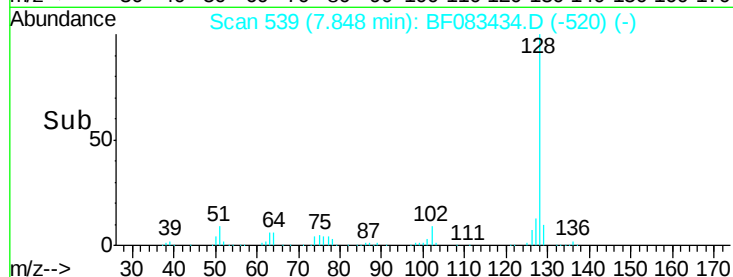
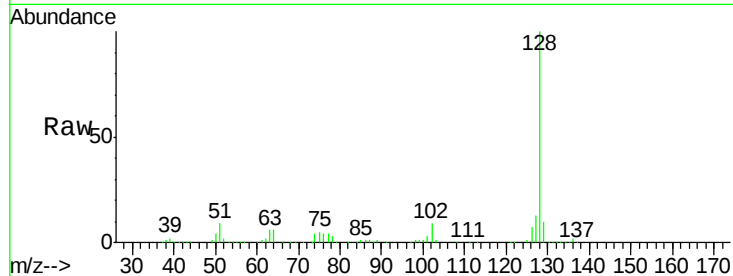




#33
4-Chloroaniline
Concen: 2.48 ng
RT: 7.85 min Scan# 539
Delta R.T. -0.08 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

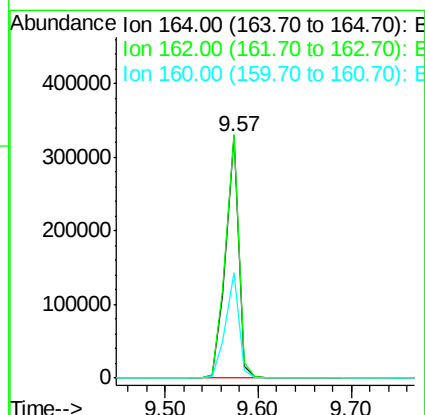
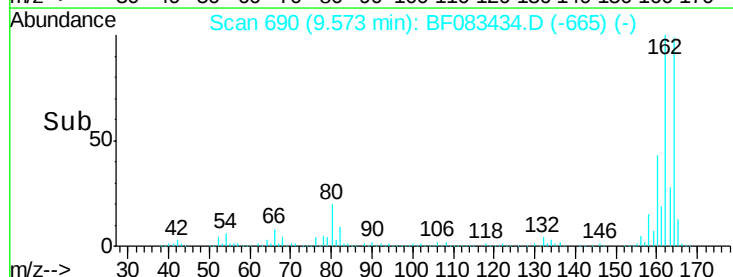
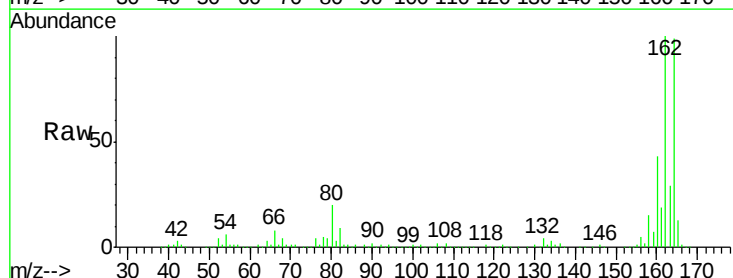
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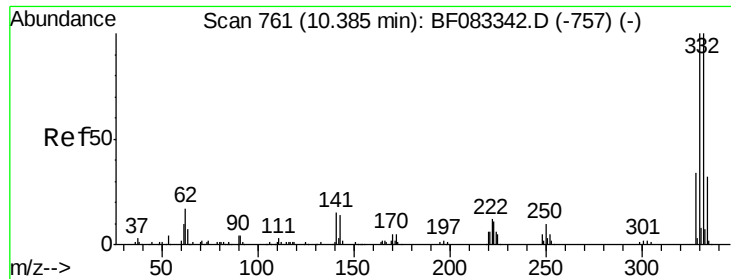
Tgt Ion:	127	Resp:	36976
Ion	Ratio	Lower	Upper
127	100		
129	82.3	27.0	40.4#
65	0.0	25.9	38.9#
92	0.0	15.8	23.8#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion:	164	Resp:	318844
Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.6	123.8
160	43.7	35.3	52.9

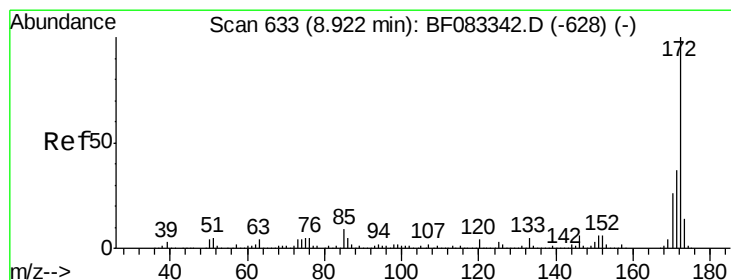
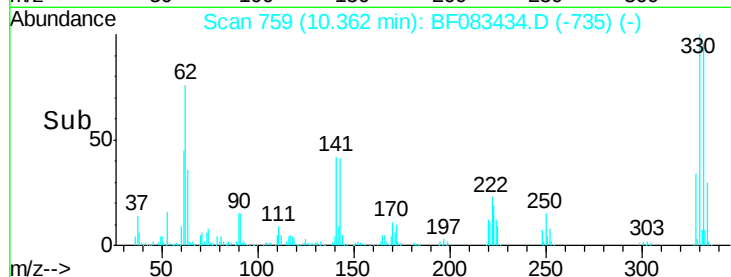
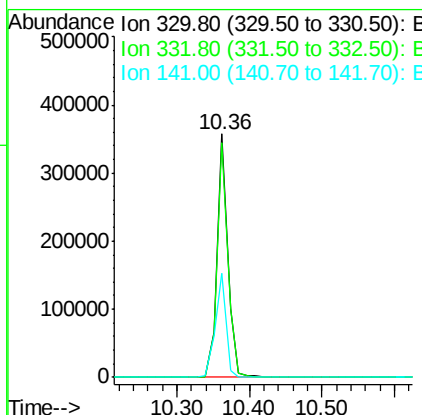
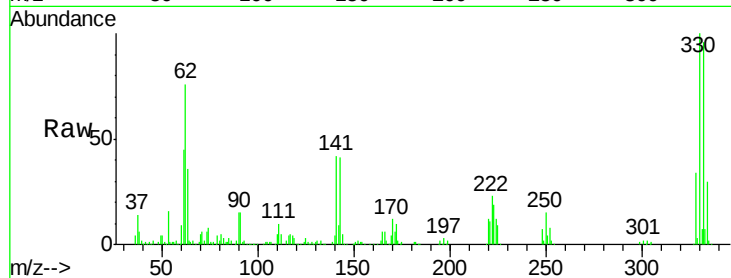




#41
 2,4,6-Tribromophenol
 Concen: 116.45 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF083434.D
 Acq: 2 Dec 2015 23:21

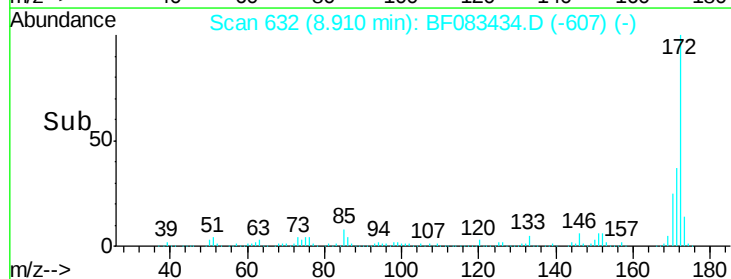
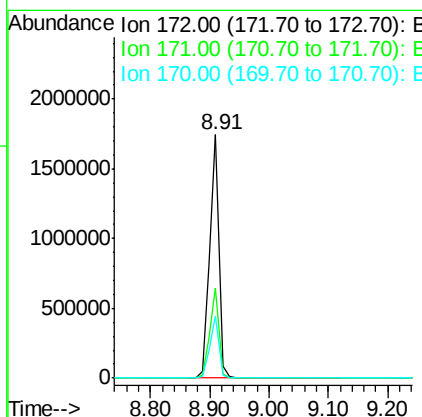
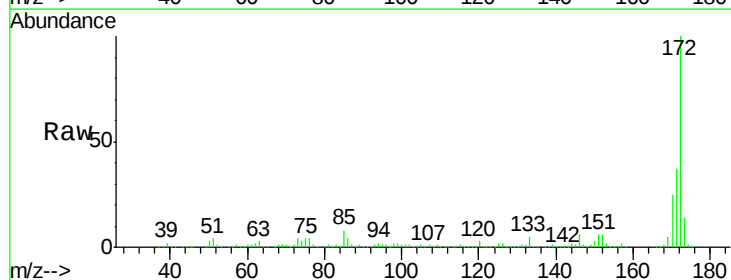
Instrument :
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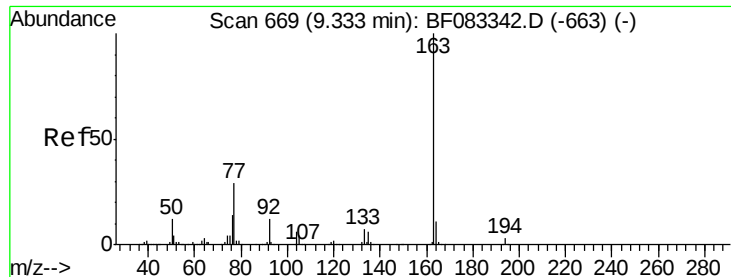
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.8	116.6
141	42.1	29.4	44.0



#44
 2-Fluorobiphenyl
 Concen: 83.47 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF083434.D
 Acq: 2 Dec 2015 23:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	25.3	20.4	30.6

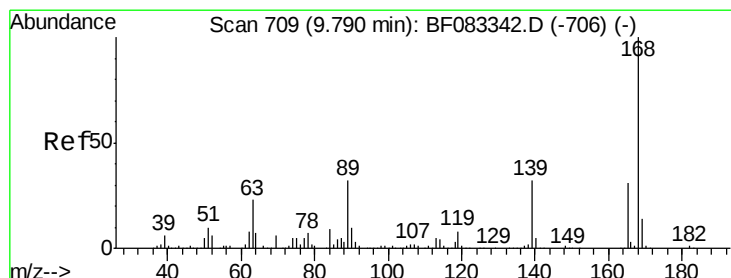
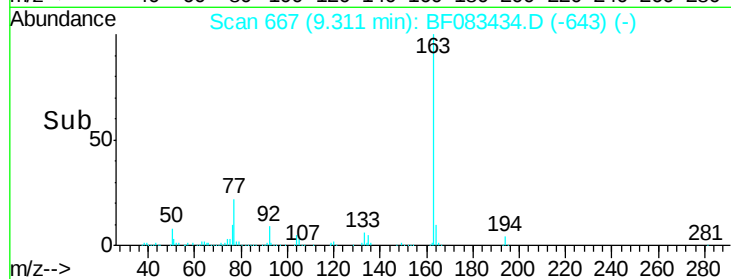
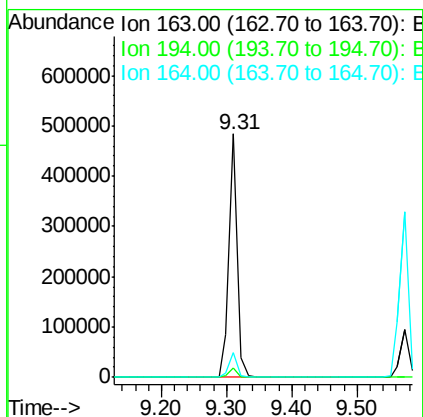
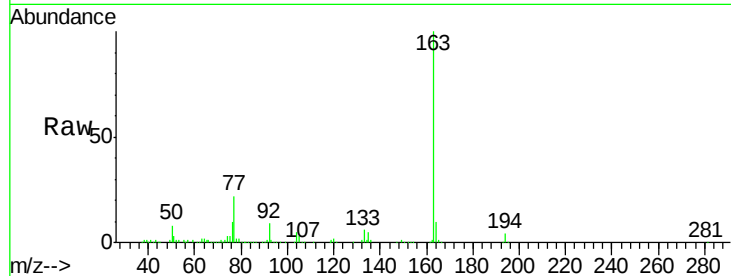




#49
Dimethylphthalate
Concen: 16.44 ng
RT: 9.31 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

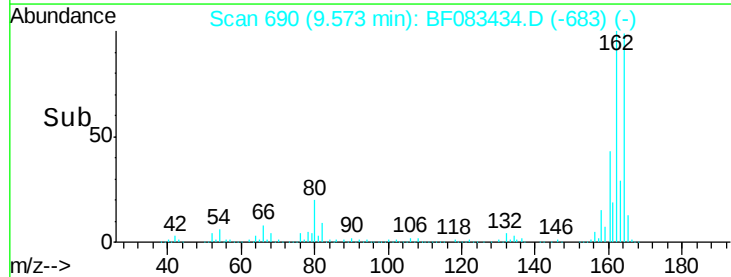
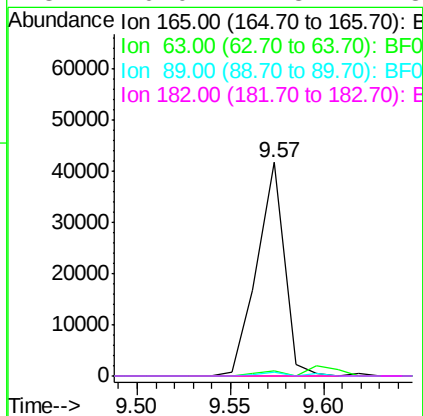
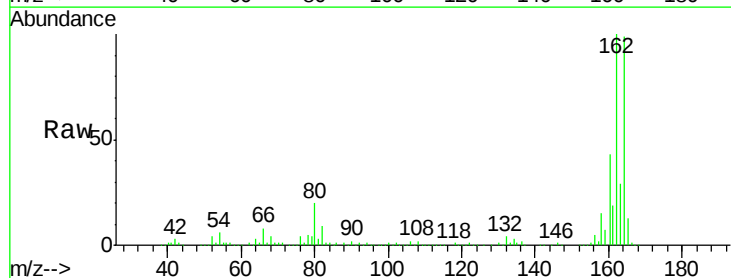
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

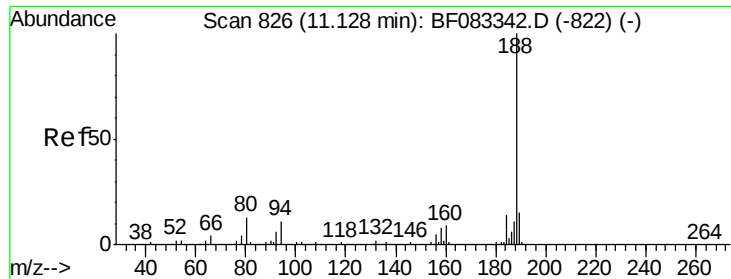
Tgt Ion:163 Resp: 426065
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.4 8.8 13.2



#56
2,4-Dinitrotoluene
Concen: 6.06 ng
RT: 9.57 min Scan# 690
Delta R.T. -0.22 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion:165 Resp: 42538
Ion Ratio Lower Upper
165 100
63 2.2 65.4 98.0#
89 1.9 81.2 121.8#
182 0.0 1.8 2.8#

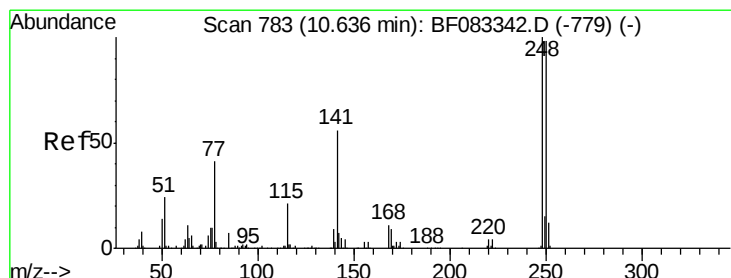
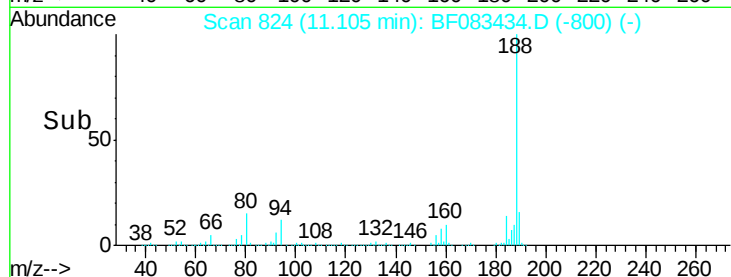
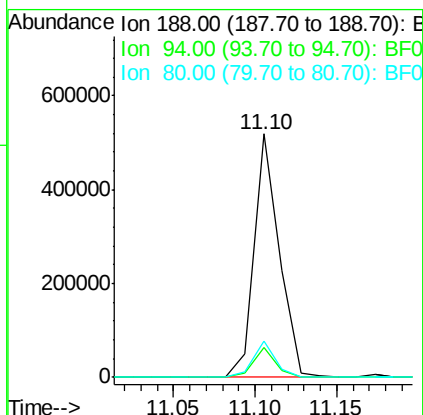
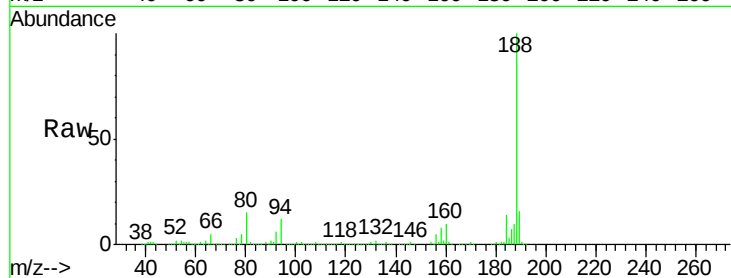




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

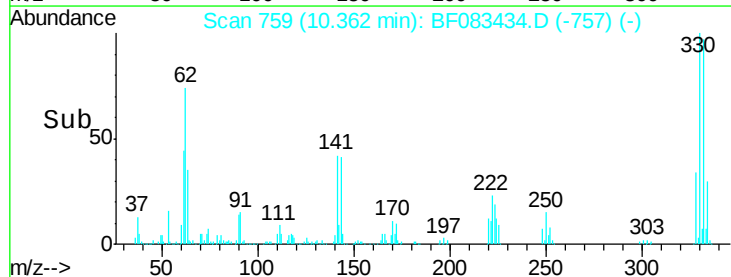
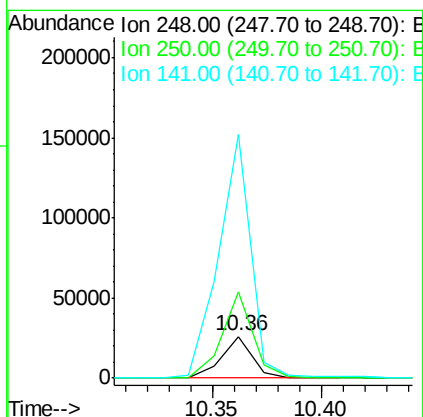
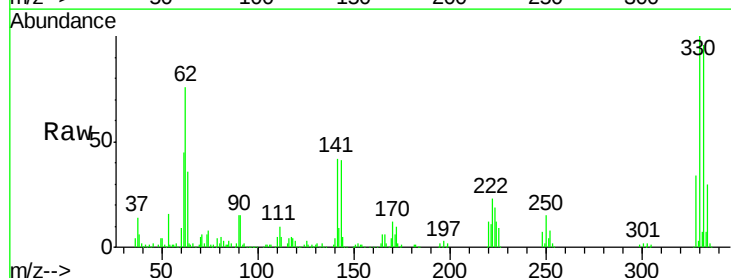
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

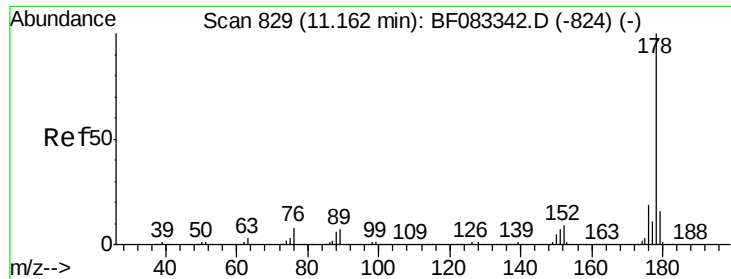
Tgt Ion:188 Resp: 556278
Ion Ratio Lower Upper
188 100
94 12.1 8.7 13.1
80 14.7 10.3 15.5



#66
4-Bromophenyl-phenylether
Concen: 4.23 ng
RT: 10.36 min Scan# 759
Delta R.T. -0.27 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion:248 Resp: 25746
Ion Ratio Lower Upper
248 100
250 207.6 78.6 118.0#
141 582.2 44.4 66.6#

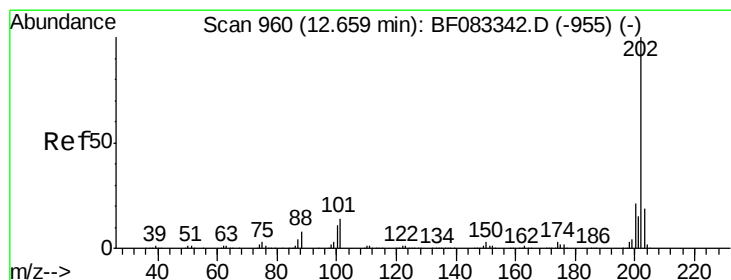
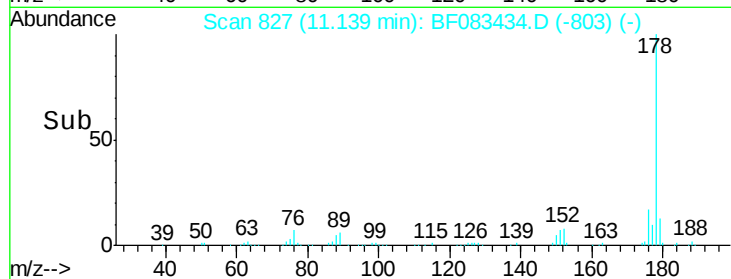
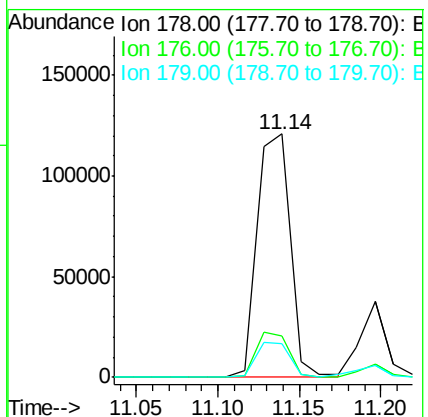
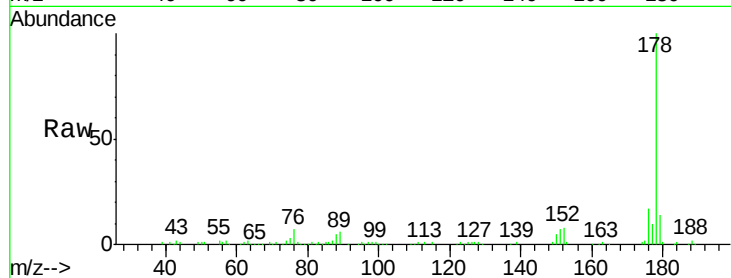




#70
Phenanthrene
Concen: 5.20 ng
RT: 11.14 min Scan# 827
Delta R.T. -0.02 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

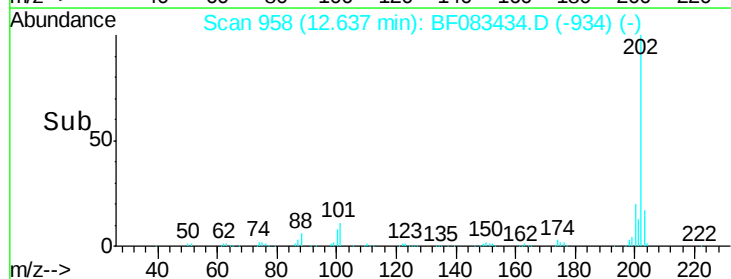
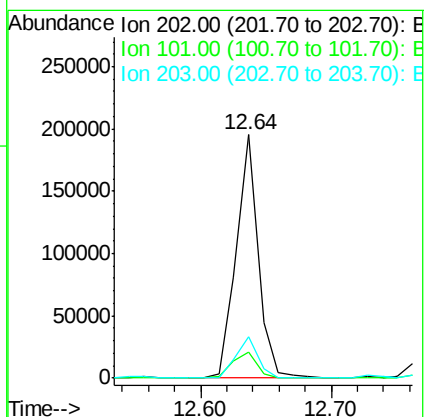
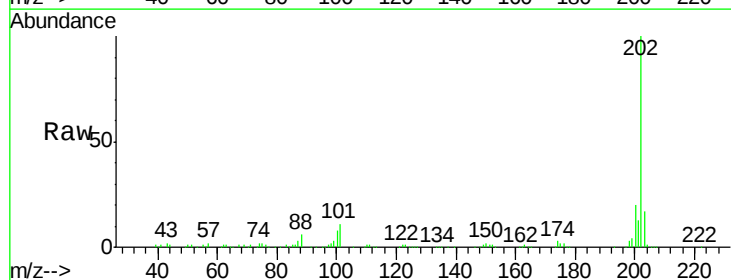
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

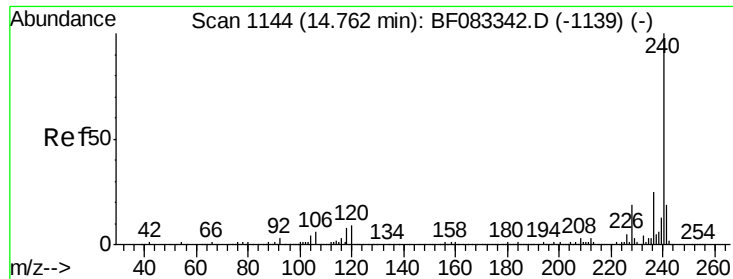
Tgt Ion:178 Resp: 171341
Ion Ratio Lower Upper
178 100
176 17.1 15.3 22.9
179 13.8 12.4 18.6



#74
Fluoranthene
Concen: 6.60 ng
RT: 12.64 min Scan# 958
Delta R.T. -0.02 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion:202 Resp: 225152
Ion Ratio Lower Upper
202 100
101 10.7 0.0 34.5
203 16.8 0.0 38.7

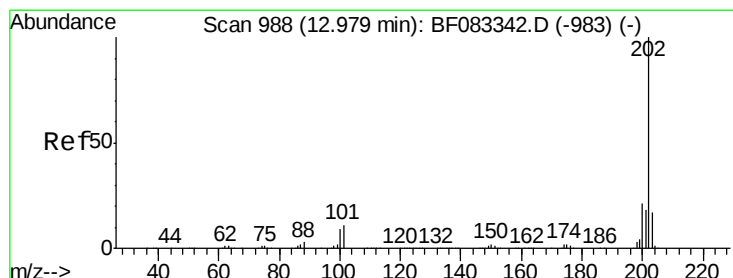
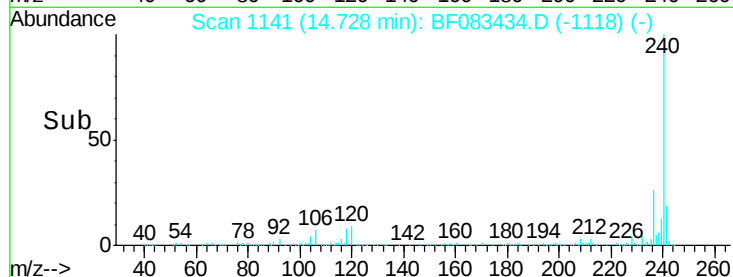
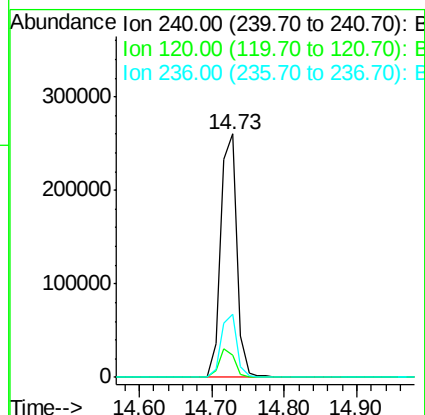
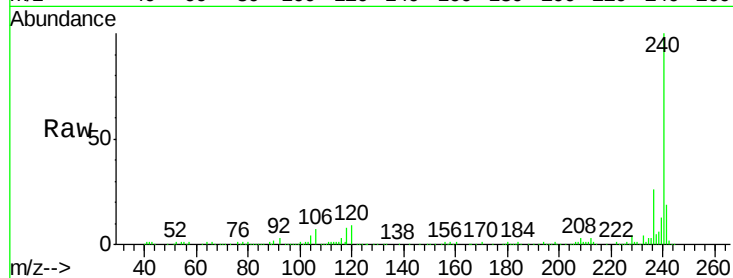




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.73 min Scan# 1141
Delta R.T. -0.03 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

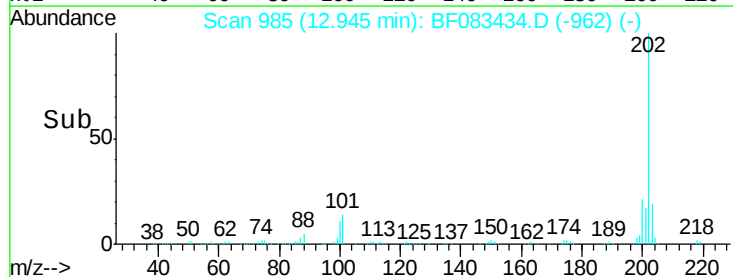
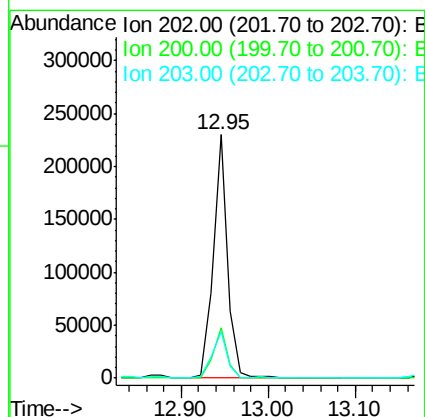
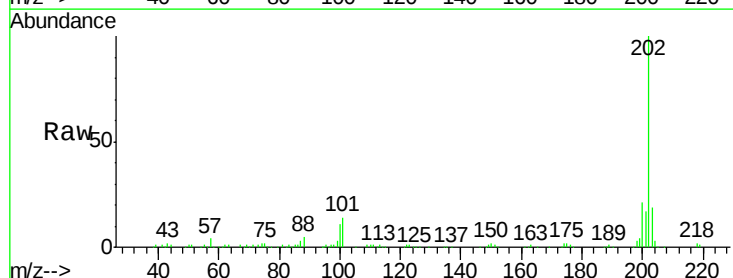
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

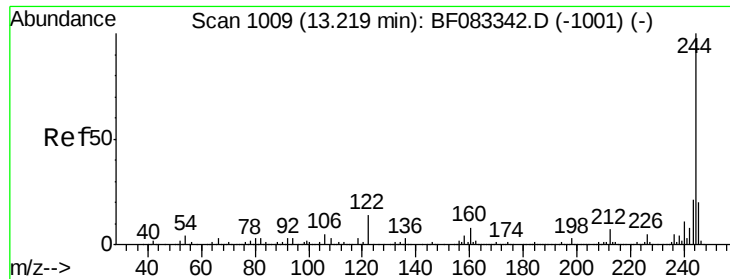
Tgt Ion:240 Resp: 402059
Ion Ratio Lower Upper
240 100
120 9.2 6.9 10.3
236 26.1 19.8 29.6



#77
Pyrene
Concen: 9.40 ng
RT: 12.95 min Scan# 985
Delta R.T. -0.03 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion:202 Resp: 263918
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 18.9 13.9 20.9

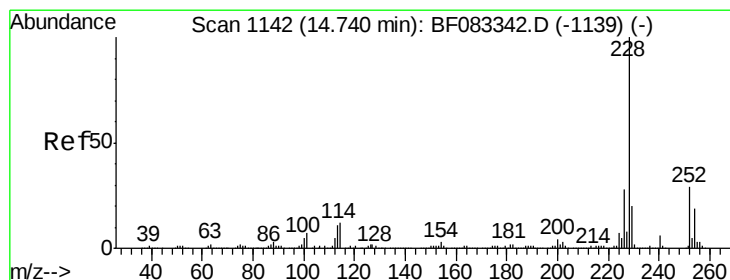
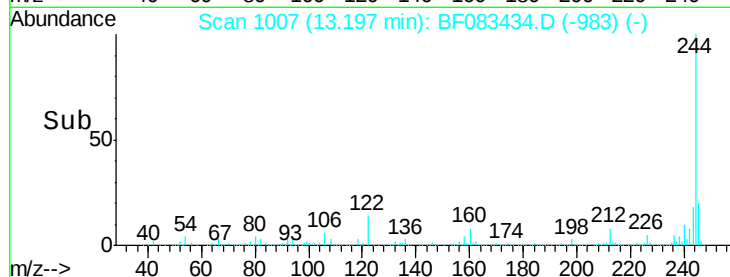
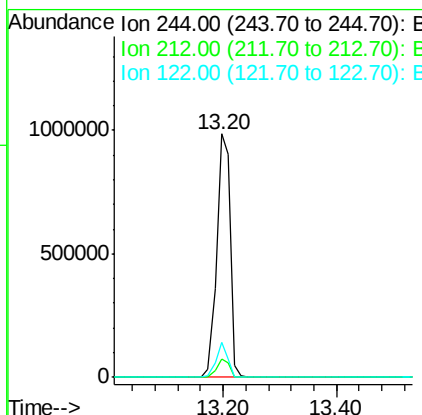
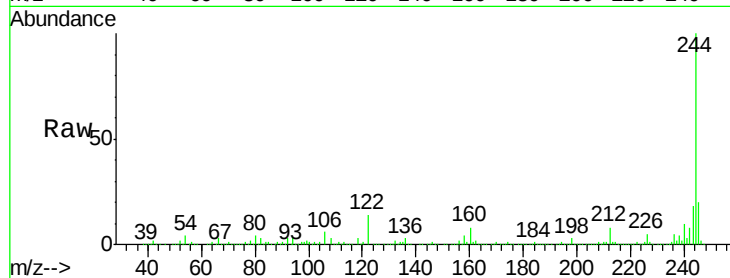




#78
 Terphenyl-d14
 Concen: 95.54 ng
 RT: 13.20 min Scan# 1007
 Delta R.T. -0.02 min
 Lab File: BF083434.D
 Acq: 2 Dec 2015 23:21

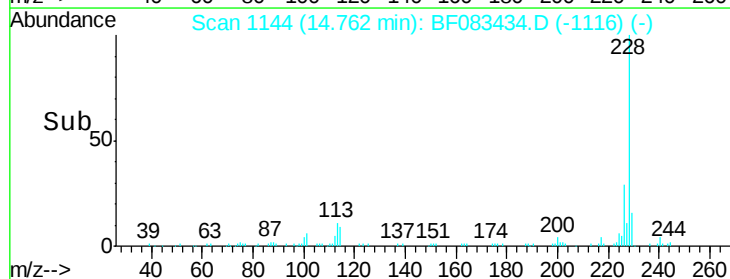
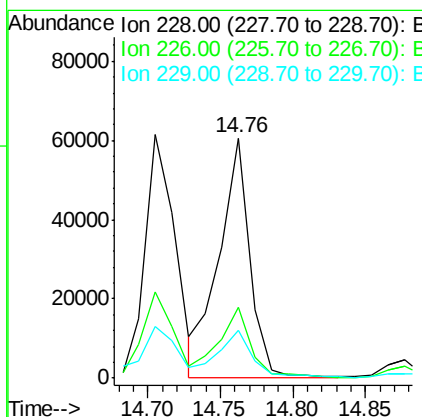
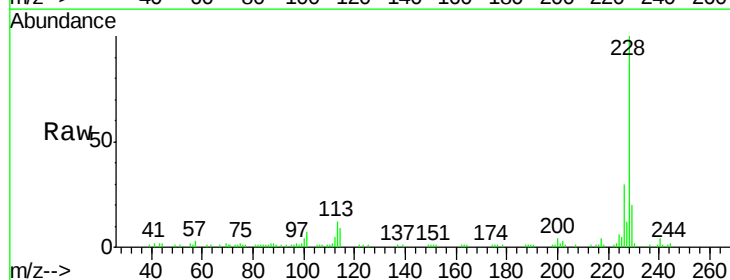
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(0-6)

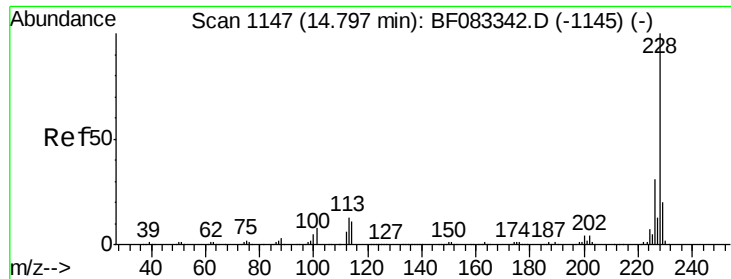
Tgt Ion:244 Resp: 1610674
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.8
 122 14.2 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.67 ng
 RT: 14.76 min Scan# 1144
 Delta R.T. 0.02 min
 Lab File: BF083434.D
 Acq: 2 Dec 2015 23:21

Tgt Ion:228 Resp: 90468
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.2 33.4
 229 20.0 16.1 24.1





#82

Chrysene

Concen: 3.80 ng

RT: 14.76 min Scan# 1144

Delta R.T. -0.03 min

Lab File: BF083434.D

Acq: 2 Dec 2015 23:21

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(0-6)

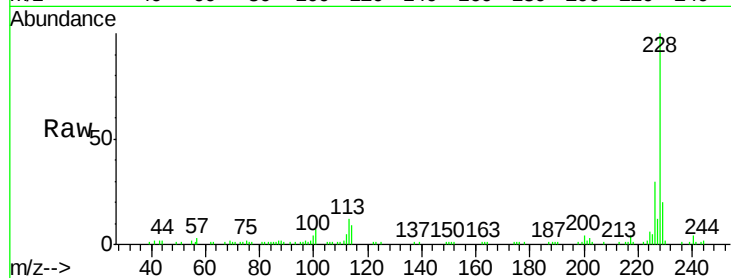
Tgt Ion:228 Resp: 90468

Ion Ratio Lower Upper

228 100

226 29.7 24.6 37.0

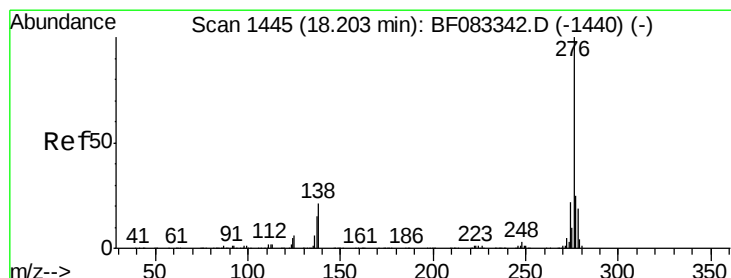
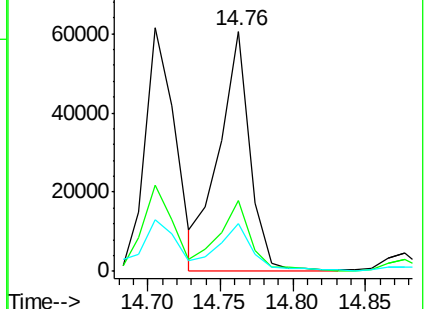
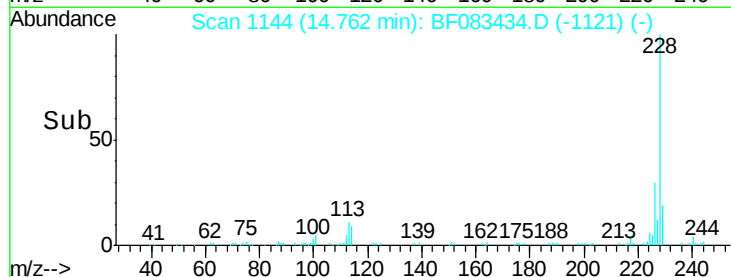
229 20.0 16.2 24.2



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: 2.73 ng

RT: 18.16 min Scan# 1441

Delta R.T. -0.05 min

Lab File: BF083434.D

Acq: 2 Dec 2015 23:21

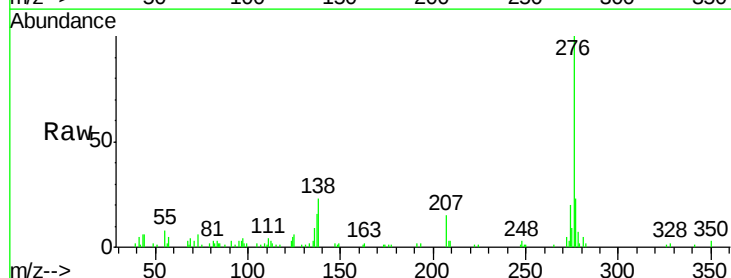
Tgt Ion:276 Resp: 47325

Ion Ratio Lower Upper

276 100

138 23.6 21.2 31.8

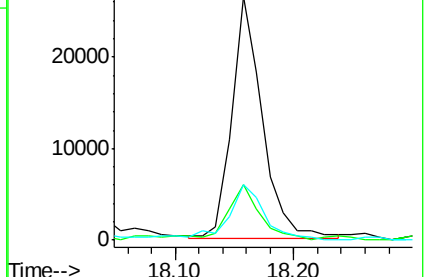
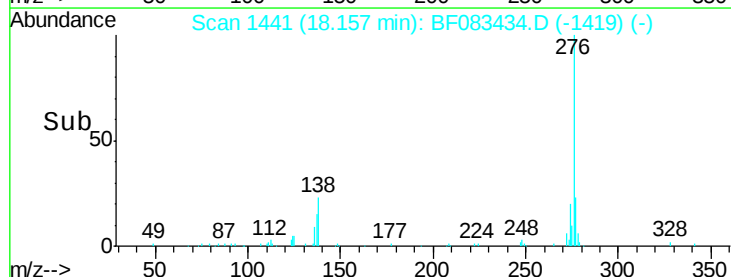
277 27.0 20.0 30.0

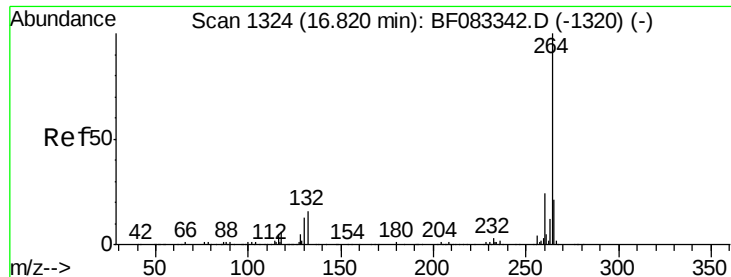


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

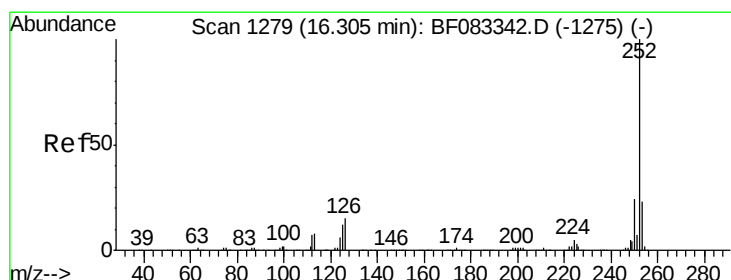
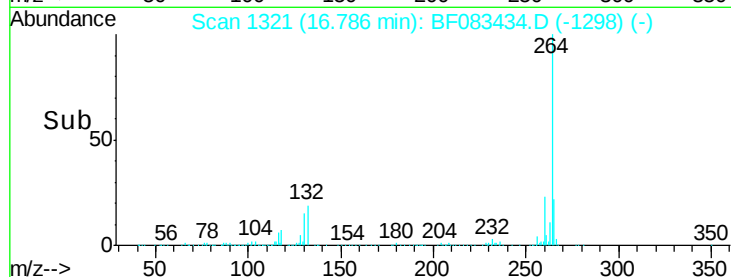
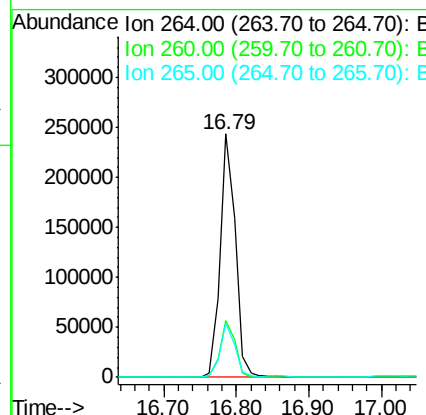
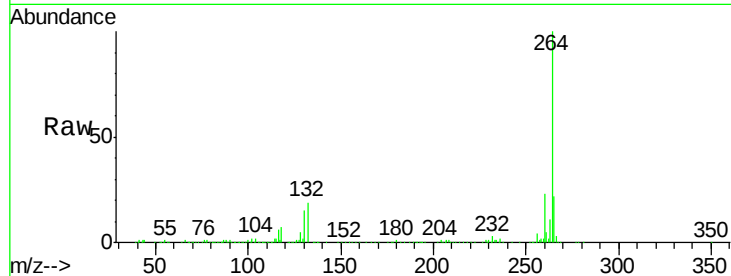




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.79 min Scan# 1321
Delta R.T. -0.03 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

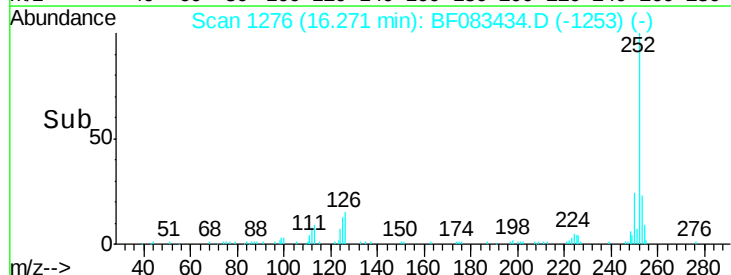
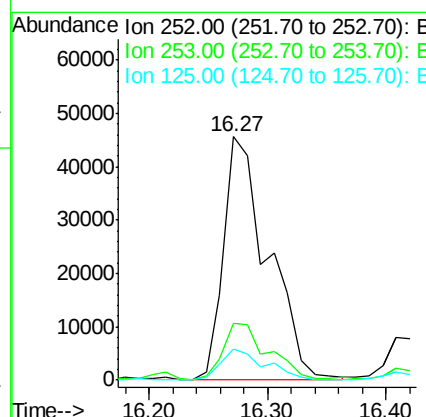
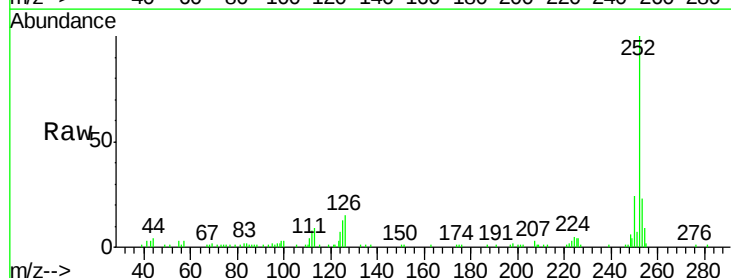
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

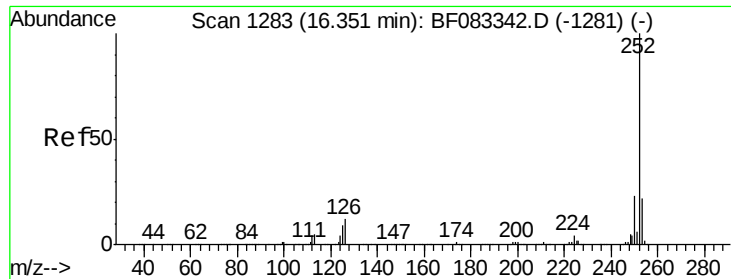
Tgt Ion:264 Resp: 357449
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.4
265 22.1 16.8 25.2



#87
Benzo(b)fluoranthene
Concen: 5.18 ng
RT: 16.27 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion:252 Resp: 118904
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 13.0 9.6 14.4

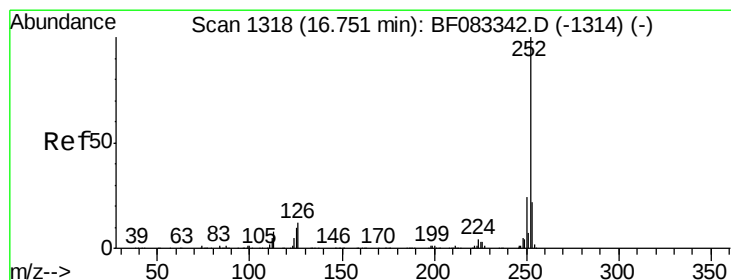
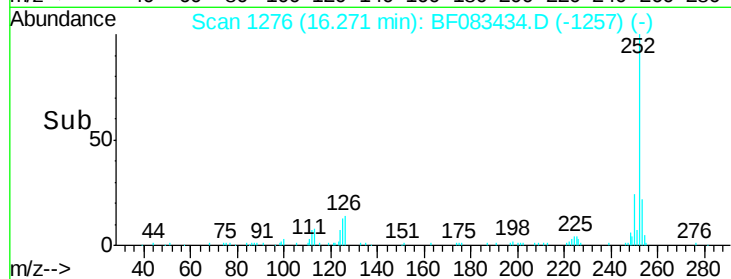
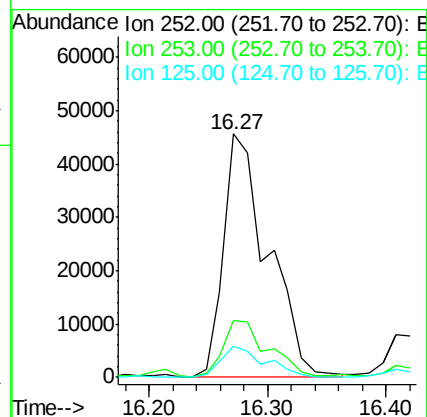
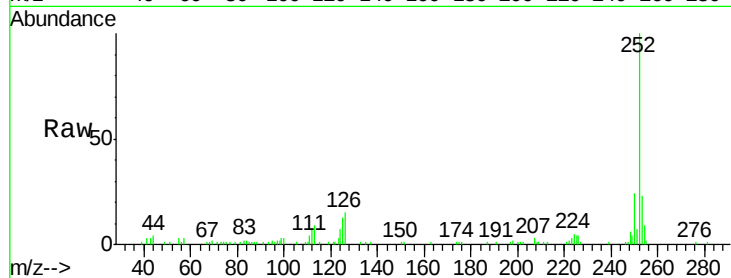




#88
Benzo(k)fluoranthene
Concen: 5.49 ng
RT: 16.27 min Scan# 1276
Delta R.T. -0.08 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

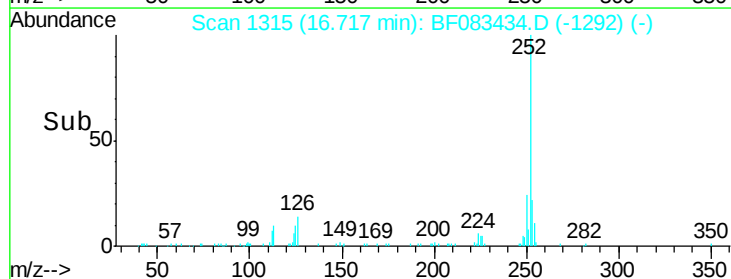
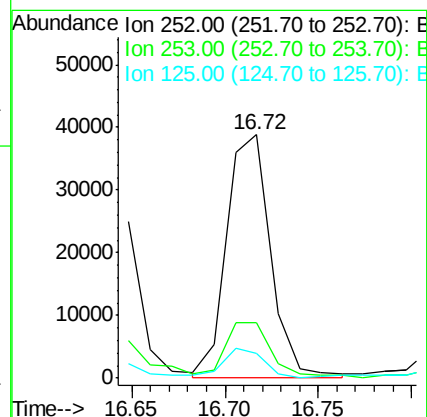
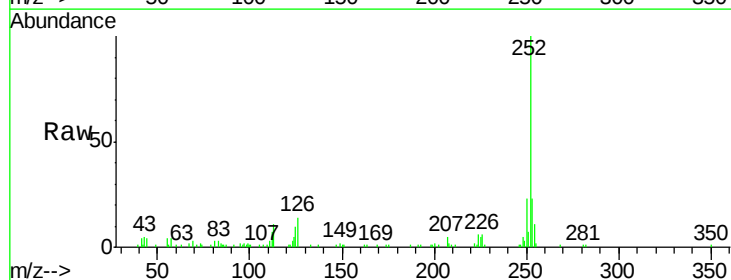
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

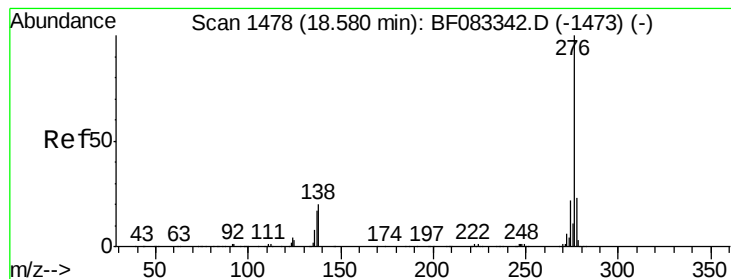
Tgt Ion:252 Resp: 118904
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 13.0 7.5 11.3#



#89
Benzo(a)pyrene
Concen: 3.25 ng
RT: 16.72 min Scan# 1315
Delta R.T. -0.03 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion:252 Resp: 64101
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 10.1 7.8 11.8





#91

Benzo(g,h,i)perylene

Concen: 3.05 ng

RT: 18.53 min Scan# 1474

Delta R.T. -0.05 min

Lab File: BF083434.D

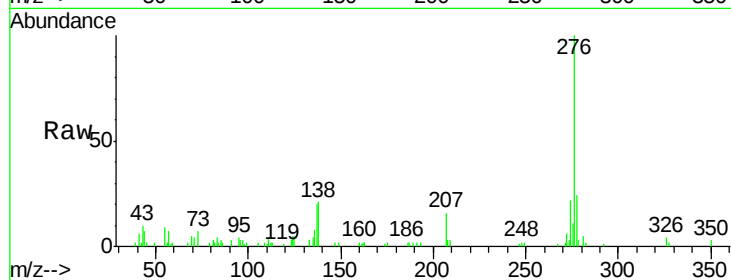
Acq: 2 Dec 2015 23:21

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(0-6)



Tgt Ion: 276 Resp: 51352

Ion Ratio Lower Upper

276 100

277 24.4 18.6 28.0

138 21.5 16.1 24.1

