

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083259.D
 Acq On : 25 Nov 2015 2:05
 Operator : UM/IZ
 Sample : G4412-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 25 11:18:53 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

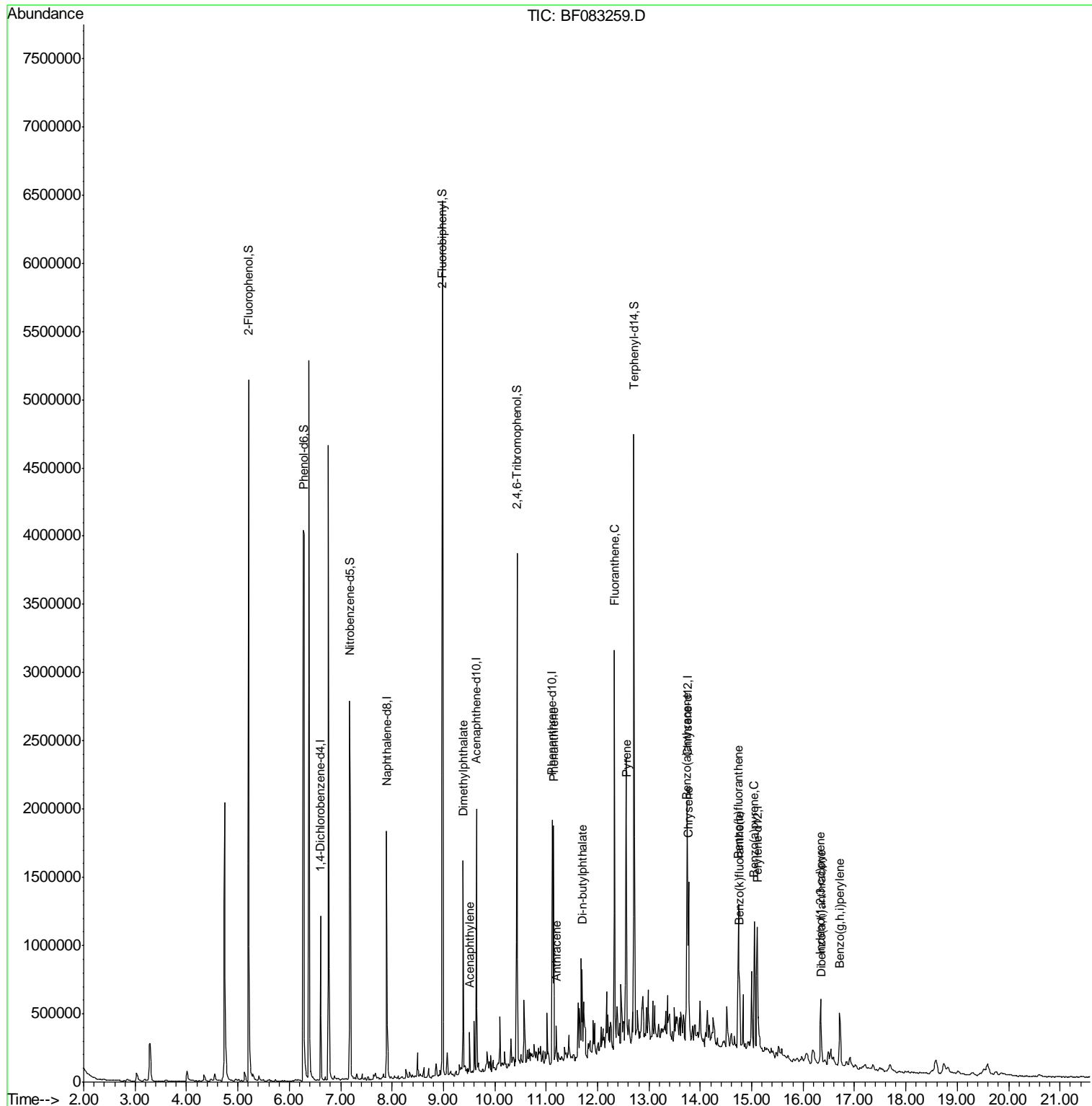
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	187621	20.00	ng	-0.06
21) Naphthalene-d8	7.90	136	754534	20.00	ng	-0.06
38) Acenaphthene-d10	9.64	164	379418	20.00	ng	-0.06
63) Phenanthrene-d10	11.12	188	662700	20.00	ng	-0.06
75) Chrysene-d12	13.75	240	449335	20.00	ng	-0.06
86) Perylene-d12	15.11	264	436142	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1501605	121.00	ng	-0.07
7) Phenol-d6	6.28	99	2146789	133.70	ng	-0.06
23) Nitrobenzene-d5	7.18	82	1274800	77.20	ng	-0.06
41) 2,4,6-Tribromophenol	10.43	330	402258	103.63	ng	-0.06
44) 2-Fluorobiphenyl	8.98	172	1973291	72.52	ng	-0.05
78) Terphenyl-d14	12.71	244	1499770	78.60	ng	-0.06
Target Compounds						
48) Acenaphthylene	9.51	152	116027	2.95	ng	99
49) Dimethylphthalate	9.38	163	577206	19.76	ng	98
70) Phenanthrene	11.14	178	662398	17.35	ng	99
71) Anthracene	11.20	178	115340	2.96	ng	97
73) Di-n-butylphthalate	11.70	149	245642	5.81	ng	98
74) Fluoranthene	12.33	202	1212670	31.03	ng	99
77) Pyrene	12.56	202	1094087	35.64	ng	96
80) Benzo(a)anthracene	13.74	228	538102	19.36	ng	94
82) Chrysene	13.77	228	396658	15.39	ng	98
85) Indeno(1,2,3-cd)pyrene	16.34	276	308692	13.17	ng	98
87) Benzo(b)fluoranthene	14.74	252	540848m	18.15	ng	
88) Benzo(k)fluoranthene	14.75	252	173087m	7.80	ng	
89) Benzo(a)pyrene	15.05	252	385000	15.65	ng	# 94
90) Dibenzo(a,h)anthracene	16.35	278	65362m	2.92	ng	
91) Benzo(g,h,i)perylene	16.71	276	303618	13.92	ng	# 92

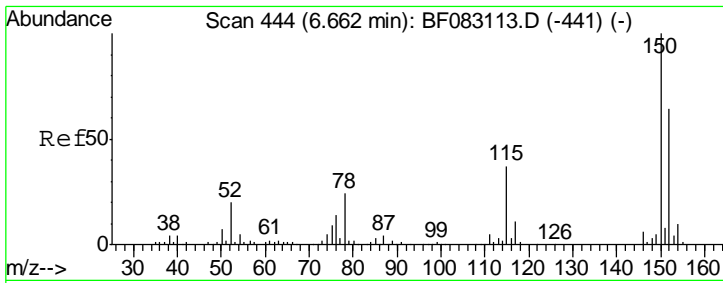
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083259.D
 Acq On : 25 Nov 2015 2:05
 Operator : UM/IZ
 Sample : G4412-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampled :

Quant Time: Nov 25 11:18:53 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration



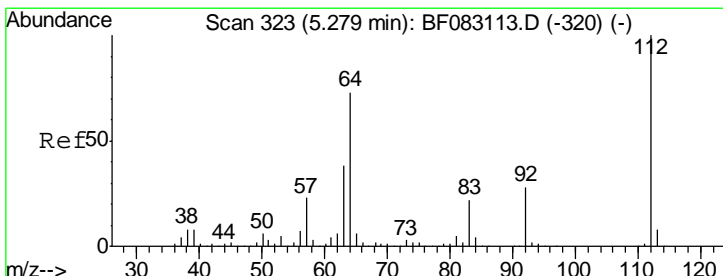
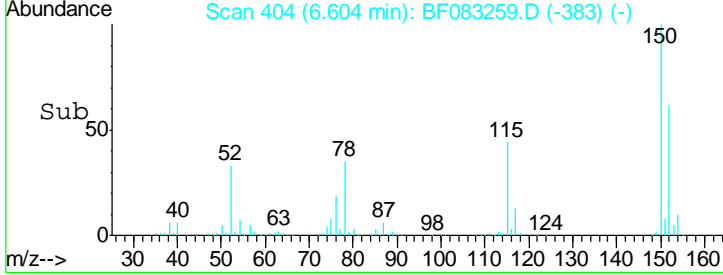
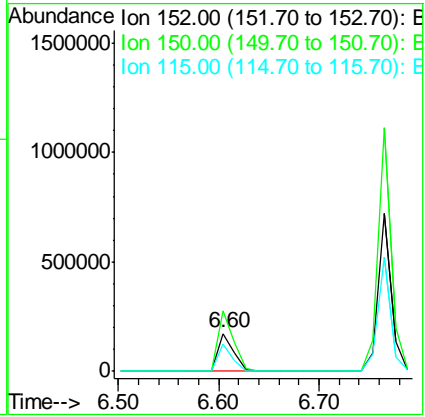
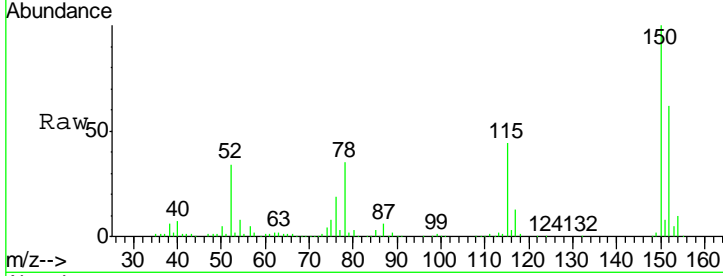


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.60 min Scan# 404
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion:152 Resp: 187621

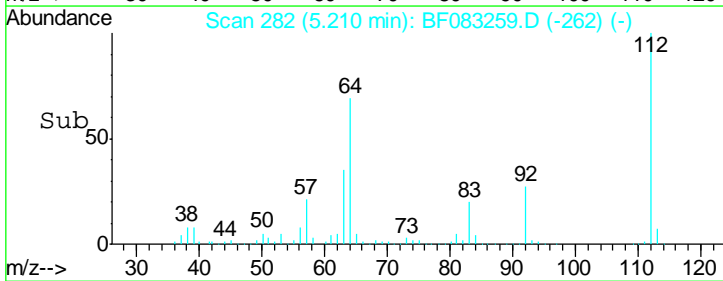
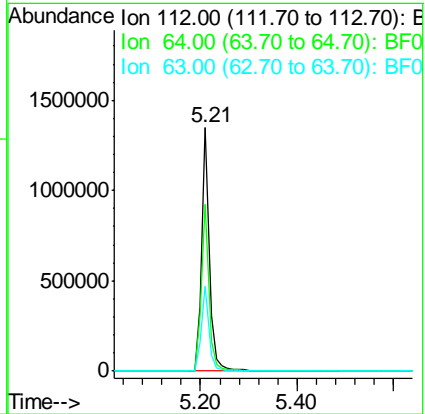
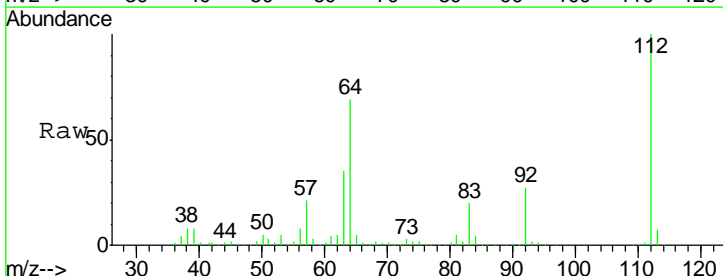
Ion	Ratio	Lower	Upper
152	100		
150	160.2	125.8	188.8
115	70.9	46.9	70.3#

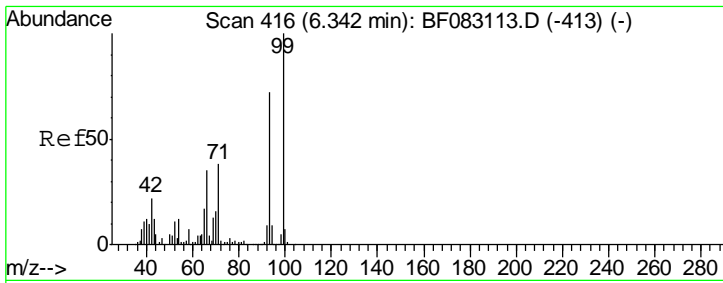


#5
 2-Fluorophenol
 Concen: 121.00 ng
 RT: 5.21 min Scan# 282
 Delta R.T. -0.07 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion:112 Resp: 1501605

Ion	Ratio	Lower	Upper
112	100		
64	68.7	58.4	87.6
63	34.9	30.0	45.0



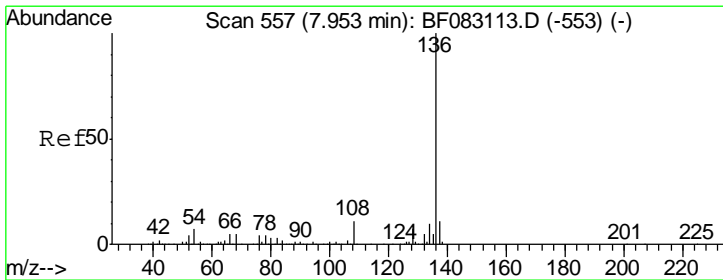
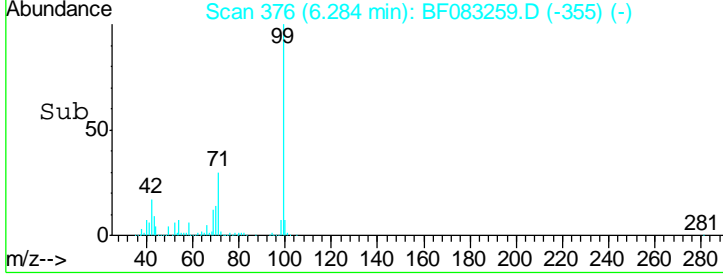
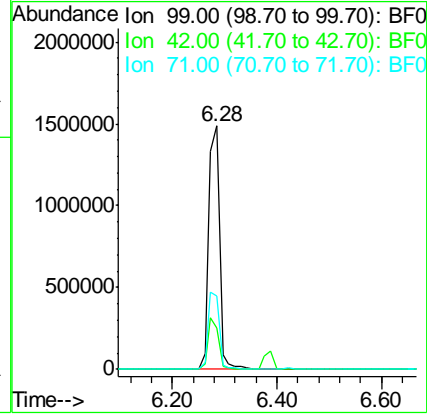
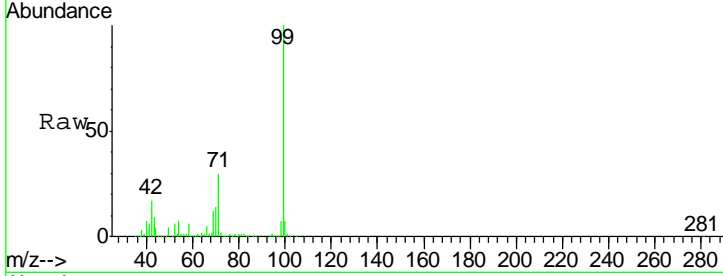


#7
 Phenol-d6
 Concen: 133.70 ng
 RT: 6.28 min Scan# 376
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 99 Resp: 2146789

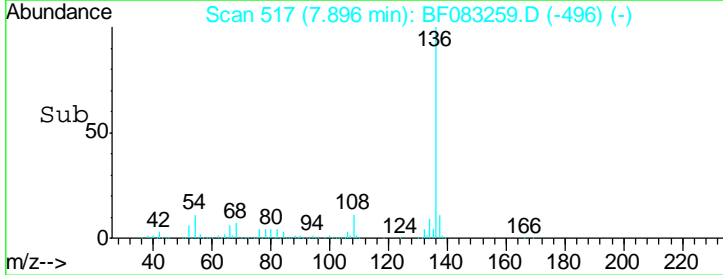
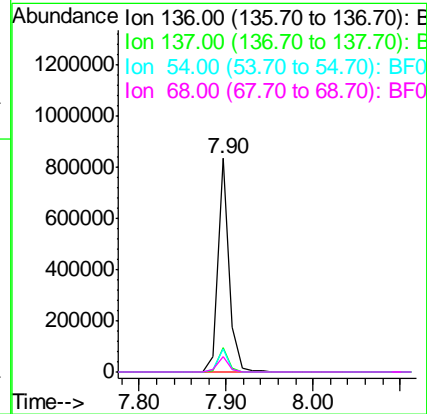
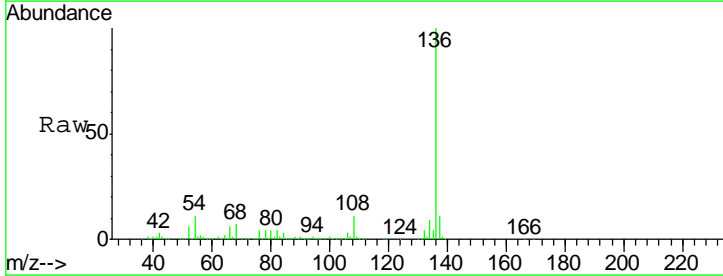
Ion	Ratio	Lower	Upper
99	100		
42	16.7	17.7	26.5#
71	30.1	30.2	45.4#

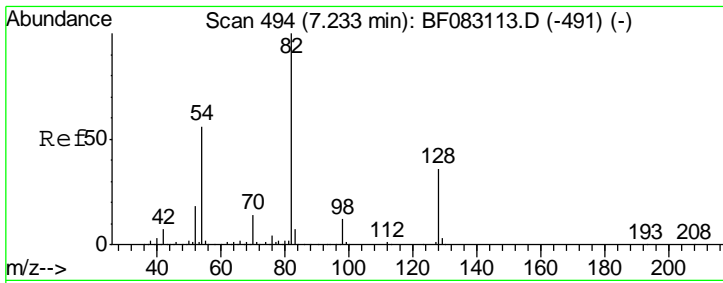


#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.90 min Scan# 517
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion: 136 Resp: 754534

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	11.0	5.8	8.6#
68	7.4	3.8	5.8#

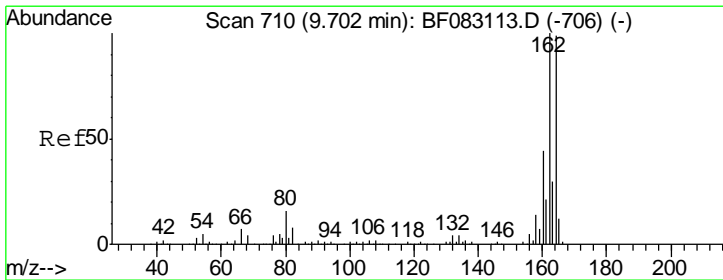
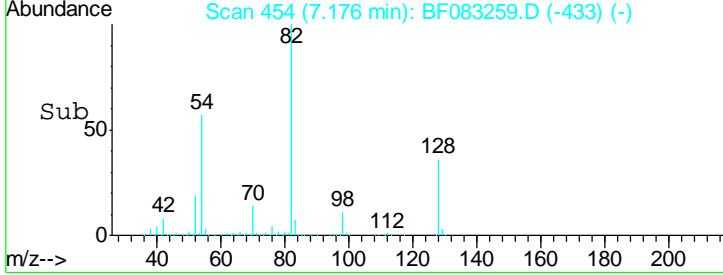
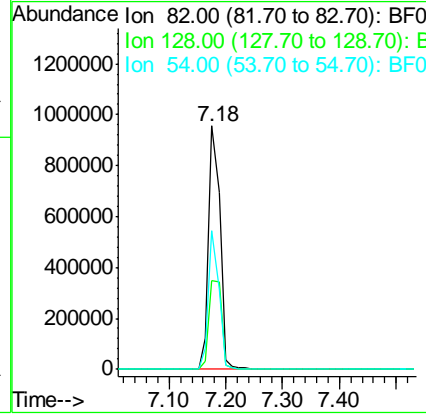
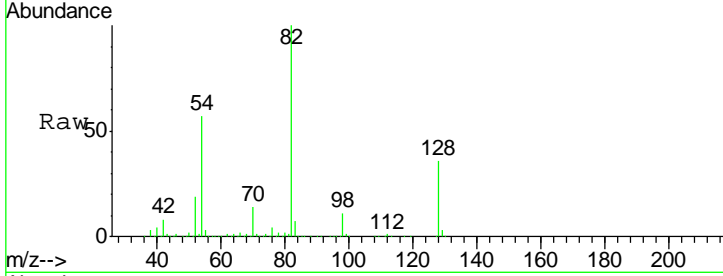




#23
 Nitrobenzene-d5
 Concen: 77.20 ng
 RT: 7.18 min Scan# 454
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

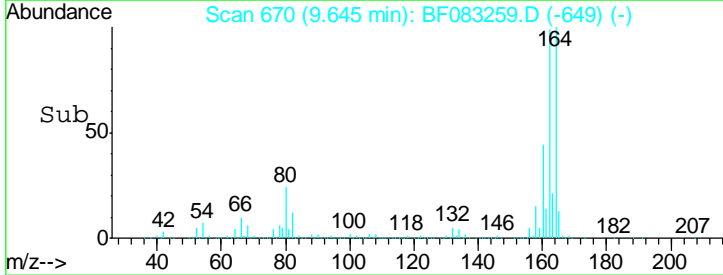
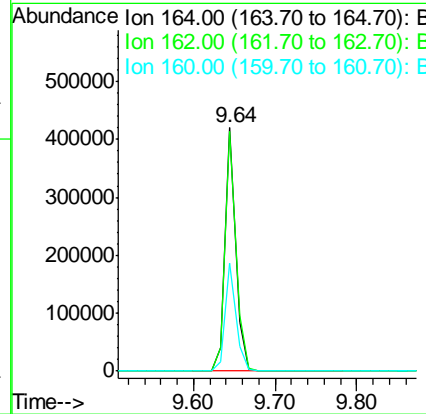
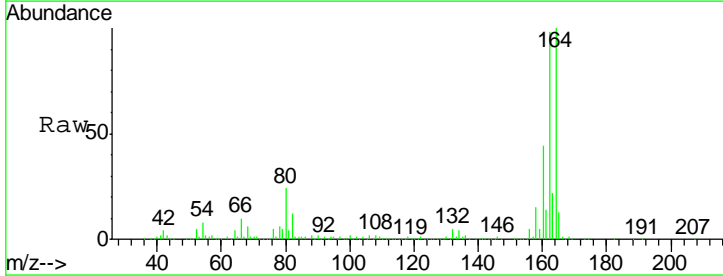
Instrument :
 BNA_F
 ClientSampleId :

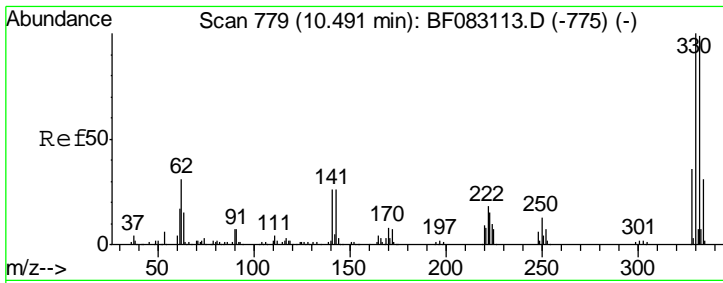
Tgt Ion	Resp	Lower	Upper
82	1274800		
128	36.3	28.5	42.7
54	57.2	44.6	67.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 670
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion	Resp	Lower	Upper
164	379418		
162	98.4	81.2	121.8
160	44.4	35.6	53.4

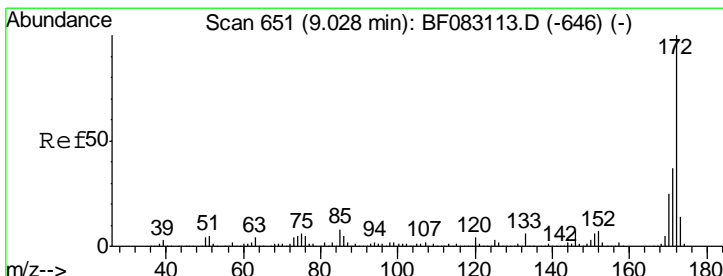
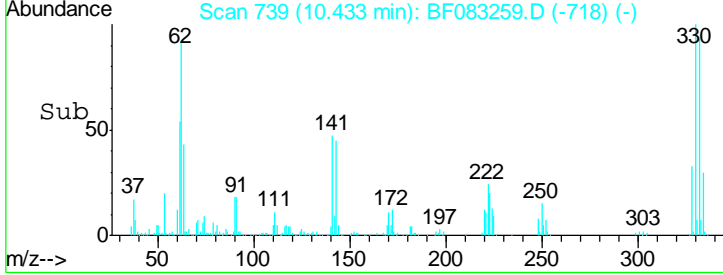
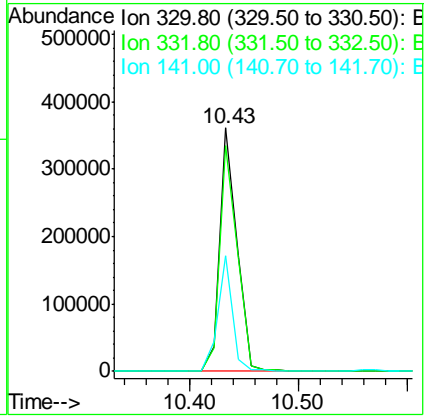
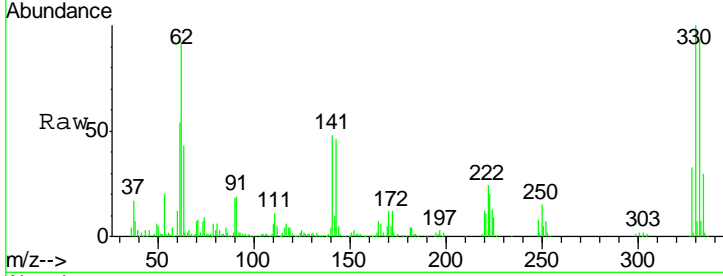




#41
 2,4,6-Tribromophenol
 Concen: 103.63 ng
 RT: 10.43 min Scan# 739
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

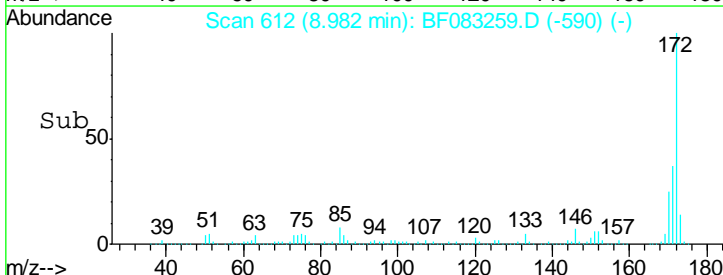
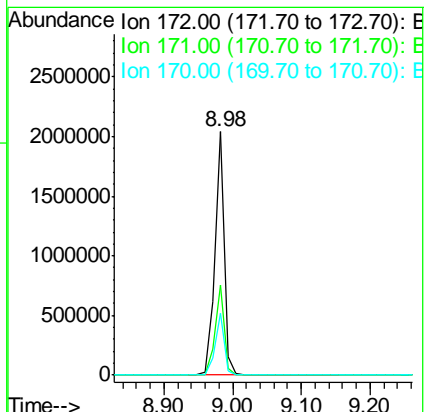
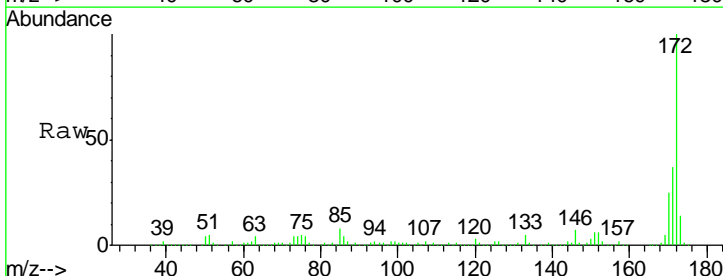
Instrument :
 BNA_F
 ClientSampled :

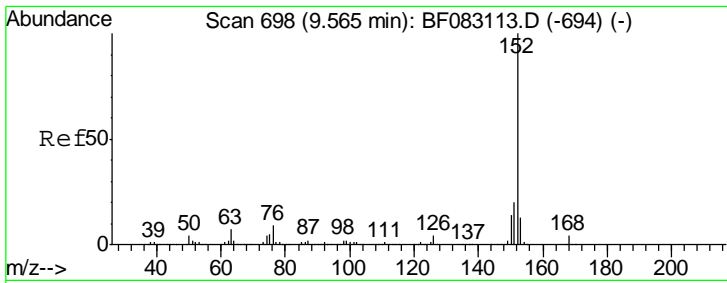
Tgt Ion	Resp	Lower	Upper
330	100		
332	94.3	77.7	116.5
141	40.5	29.7	44.5



#44
 2-Fluorobiphenyl
 Concen: 72.52 ng
 RT: 8.98 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion	Resp	Lower	Upper
172	100		
171	37.1	29.5	44.3
170	25.4	19.9	29.9

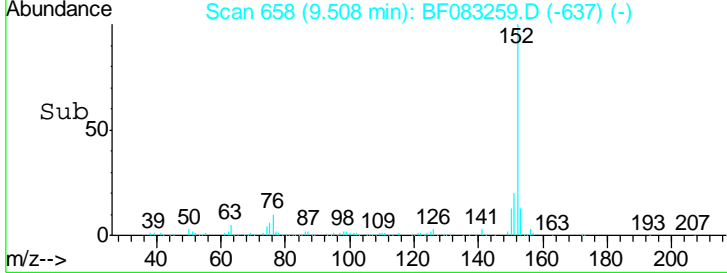
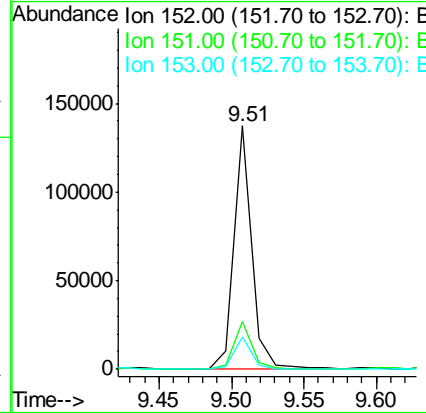
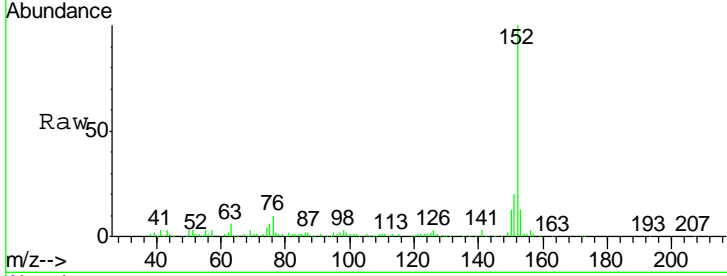




#48
 Acenaphthylene
 Concen: 2.95 ng
 RT: 9.51 min Scan# 658
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

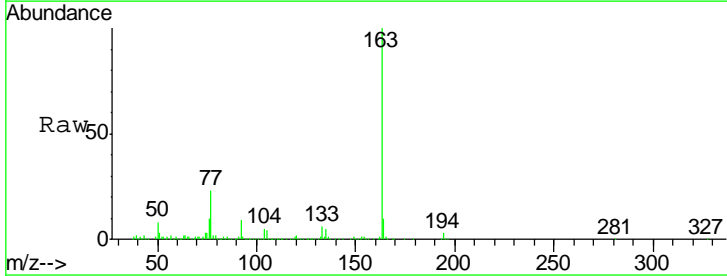
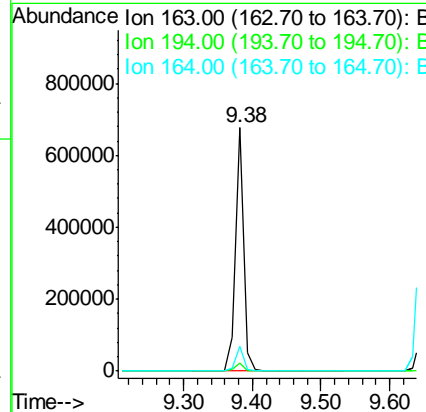
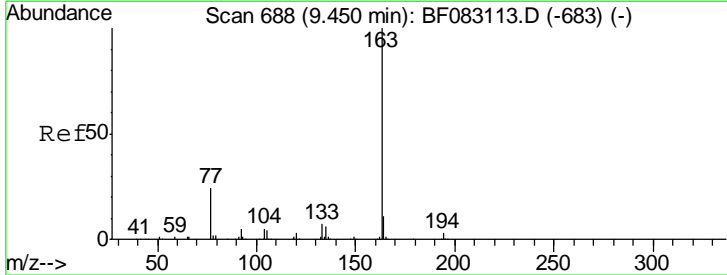
Instrument :
 BNA_F
 ClientSampled :

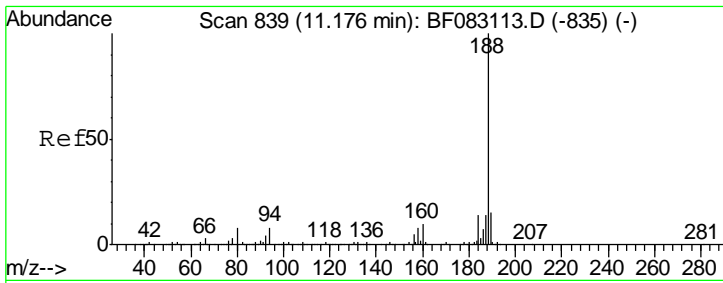
Tgt Ion	Resp	Lower	Upper
152	116027		
151	19.8	16.3	24.5
153	13.5	10.8	16.2



#49
 Dimethylphthalate
 Concen: 19.76 ng
 RT: 9.38 min Scan# 647
 Delta R.T. -0.07 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion	Resp	Lower	Upper
163	577206		
194	3.5	2.6	4.0
164	10.0	8.6	12.8

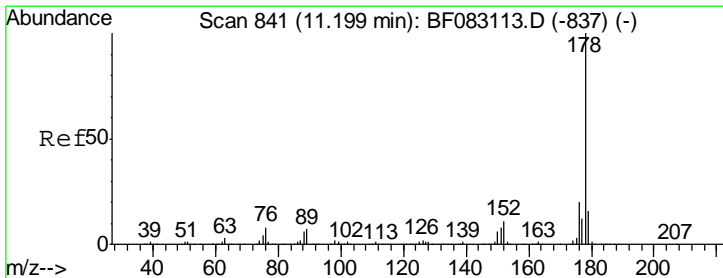
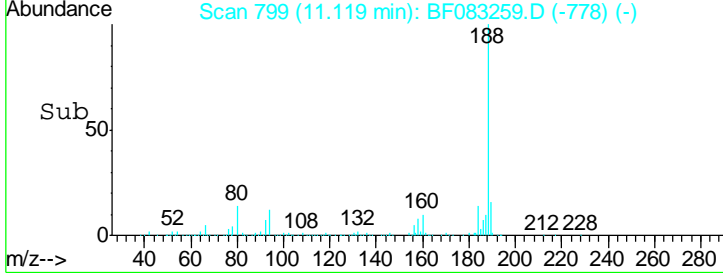
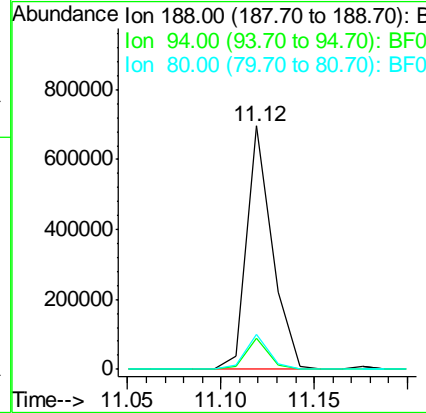
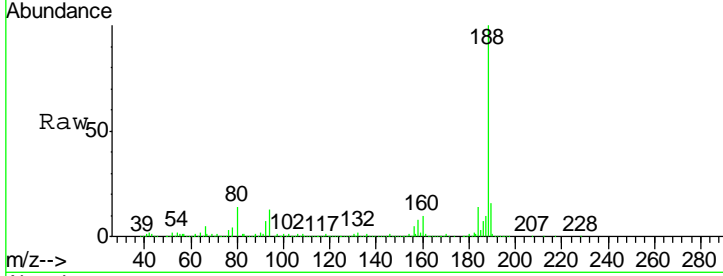




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 799
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

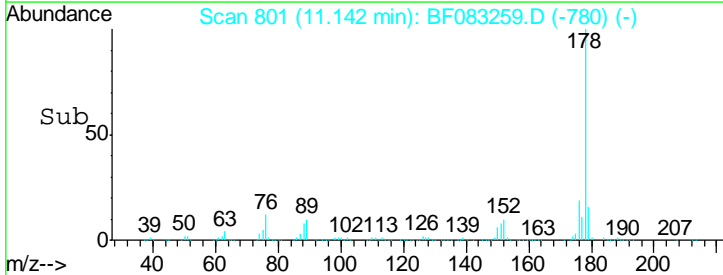
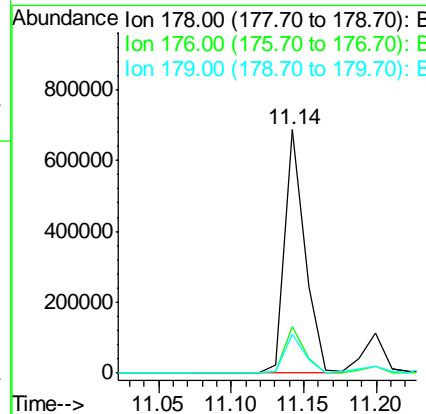
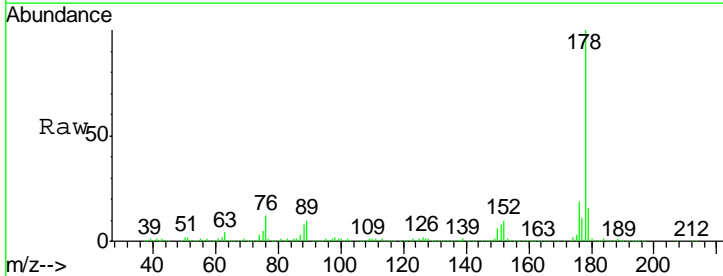
Instrument :
 BNA_F
 ClientSampleId :

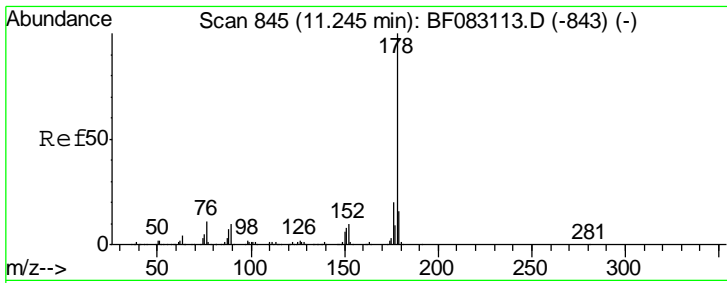
Tgt Ion	Resp	Lower	Upper
188	100		
94	12.5	6.0	9.0#
80	14.2	6.7	10.1#



#70
 Phenanthrene
 Concen: 17.35 ng
 RT: 11.14 min Scan# 801
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion	Resp	Lower	Upper
178	100		
176	19.3	16.2	24.2
179	16.1	12.8	19.2



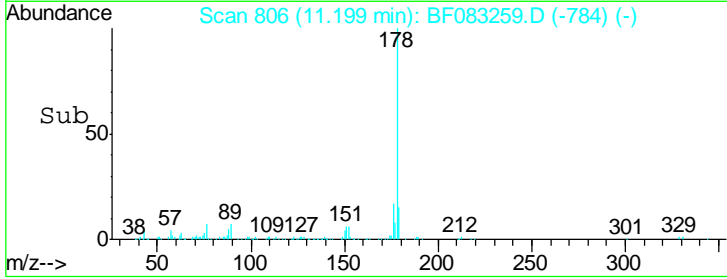
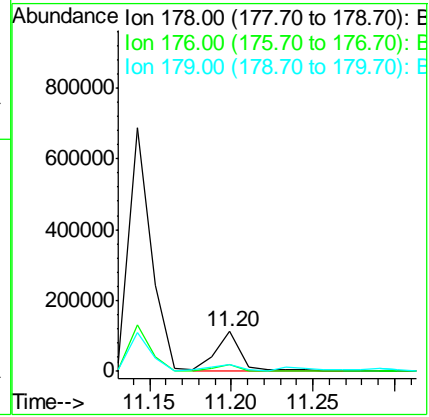
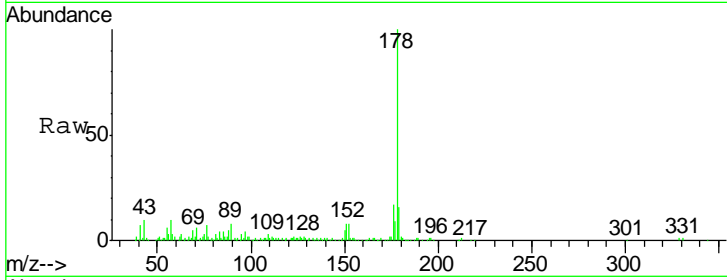


#71
 Anthracene
 Concen: 2.96 ng
 RT: 11.20 min Scan# 806
 Delta R.T. -0.05 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:178 Resp: 115340

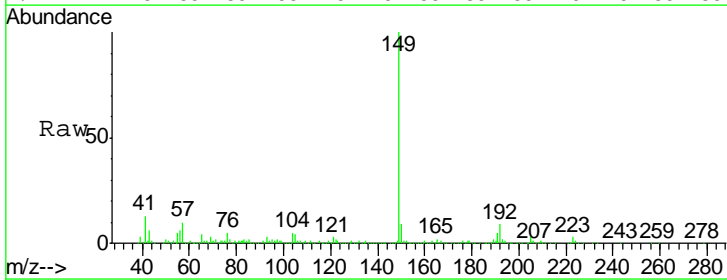
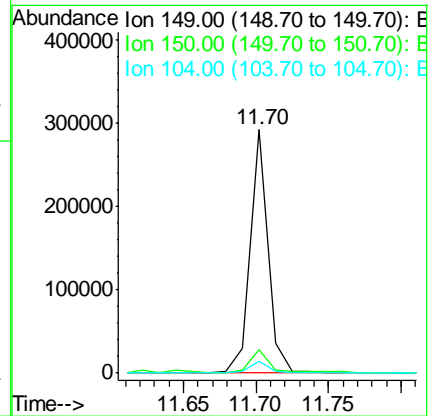
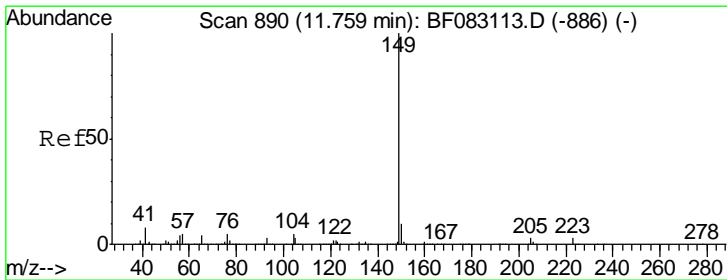
Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.6	23.4
179	15.9	13.2	19.8

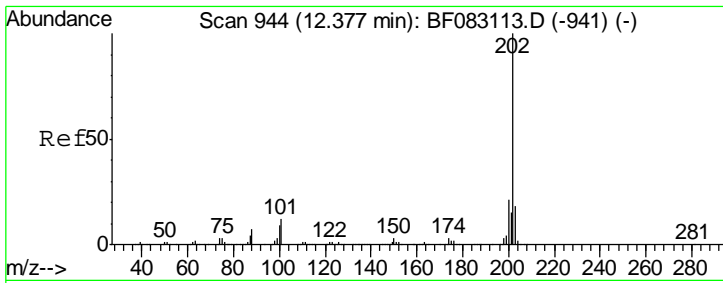


#73
 Di-n-butylphthalate
 Concen: 5.81 ng
 RT: 11.70 min Scan# 850
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion:149 Resp: 245642

Ion	Ratio	Lower	Upper
149	100		
150	9.4	8.0	12.0
104	5.0	4.4	6.6

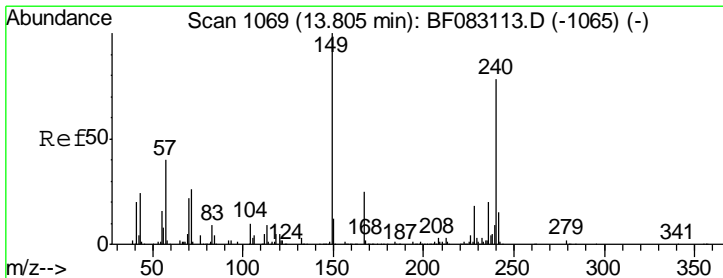
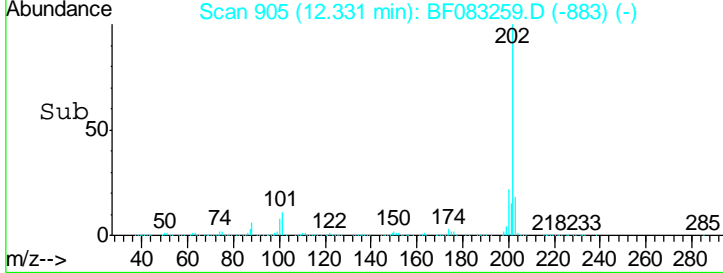
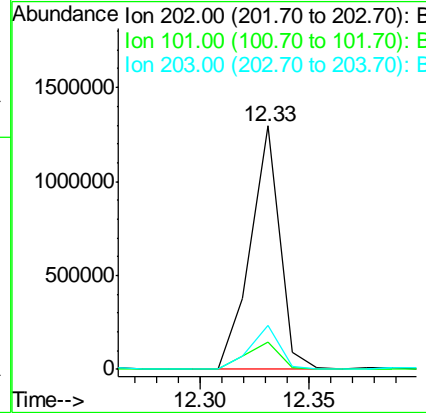
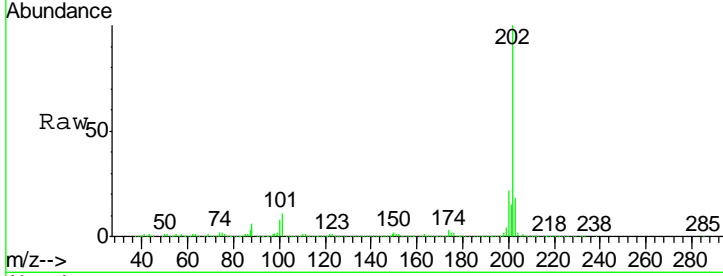




#74
 Fluoranthene
 Concen: 31.03 ng
 RT: 12.33 min Scan# 905
 Delta R.T. -0.05 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

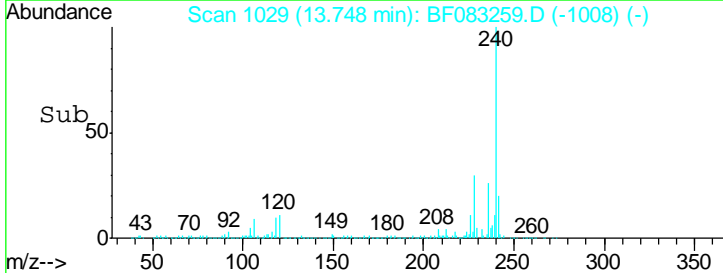
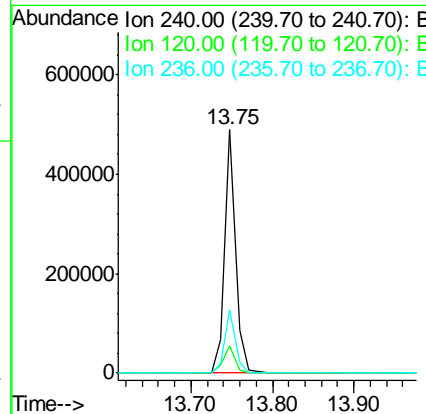
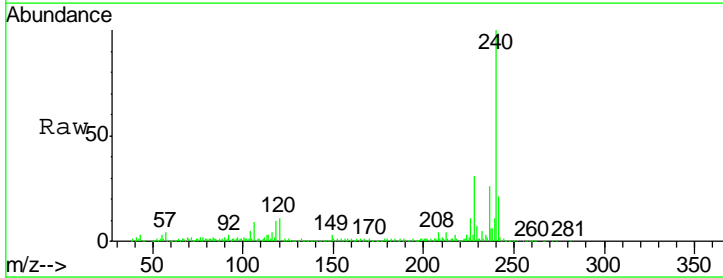
Instrument :
 BNA_F
 ClientSampled :

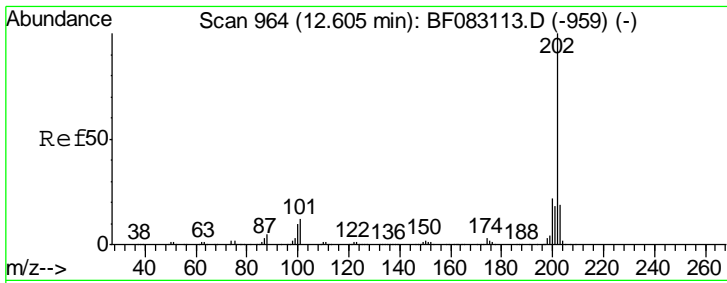
Tgt Ion	Resp	Lower	Upper
202	1212670		
101	11.4	0.0	32.3
203	18.2	0.0	38.4



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.75 min Scan# 1029
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion	Resp	Lower	Upper
240	449335		
120	11.5	5.4	8.2#
236	25.9	20.6	31.0



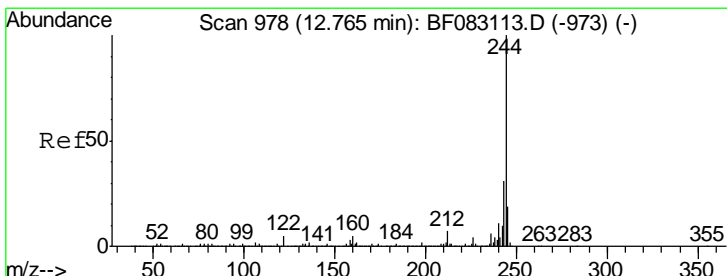
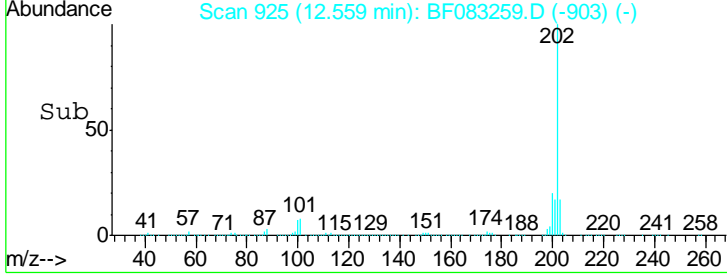
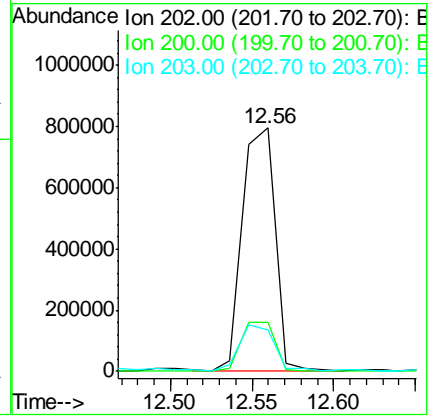
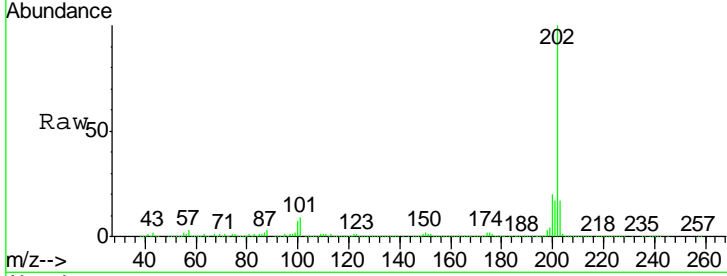


#77
 Pyrene
 Concen: 35.64 ng
 RT: 12.56 min Scan# 925
 Delta R.T. -0.05 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 202 Resp: 1094087

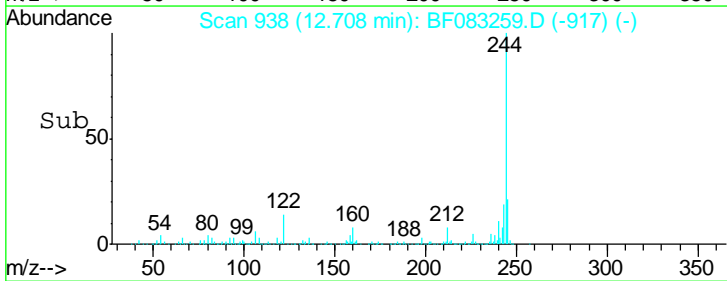
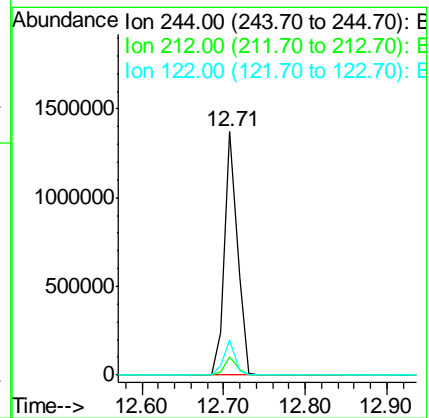
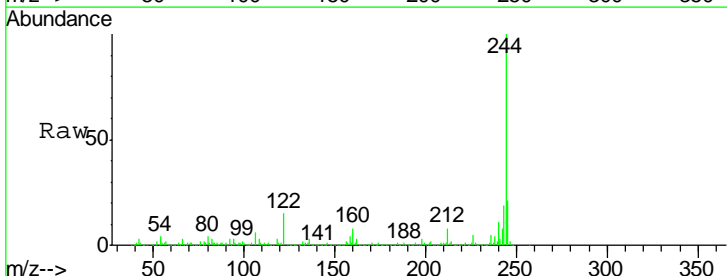
Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.8	26.6
203	17.0	15.0	22.4

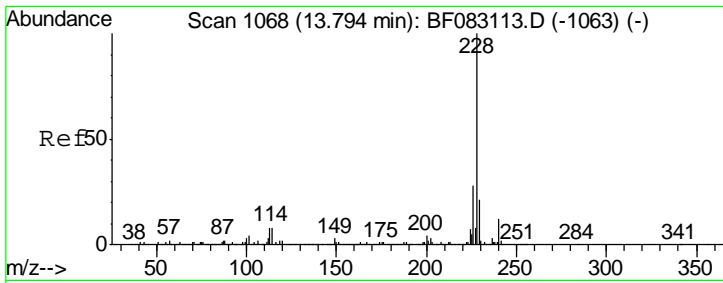


#78
 Terphenyl-d14
 Concen: 78.60 ng
 RT: 12.71 min Scan# 938
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion: 244 Resp: 1499770

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.4	8.2
122	14.5	4.3	6.5#

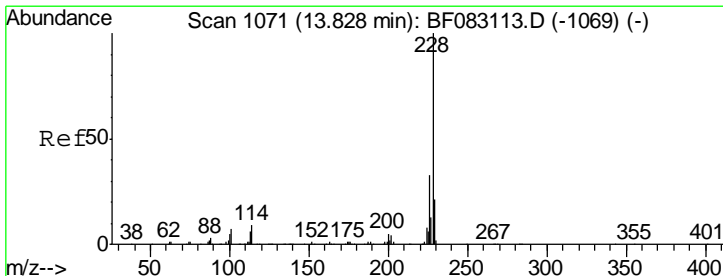
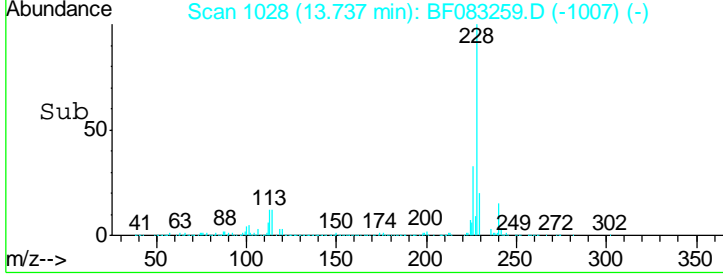
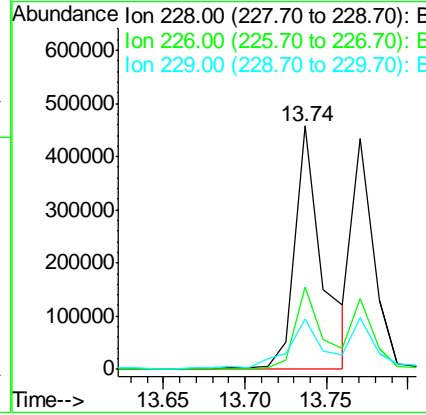
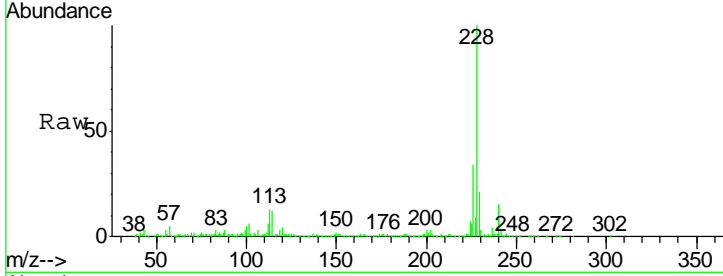




#80
 Benzo(a)anthracene
 Concen: 19.36 ng
 RT: 13.74 min Scan# 1028
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

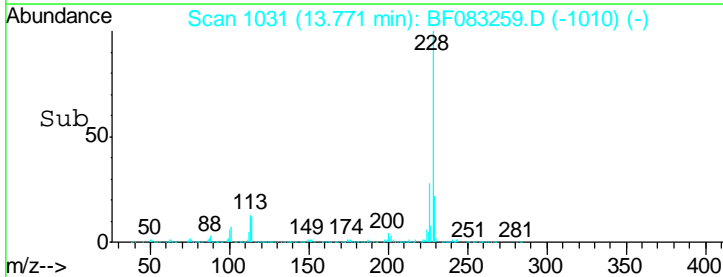
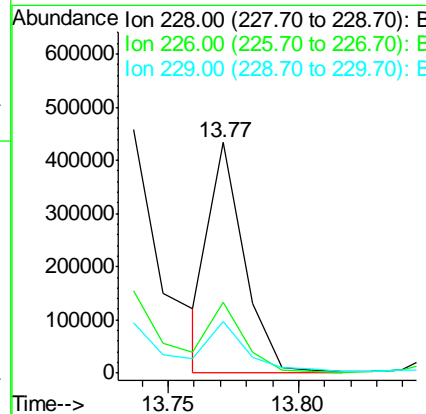
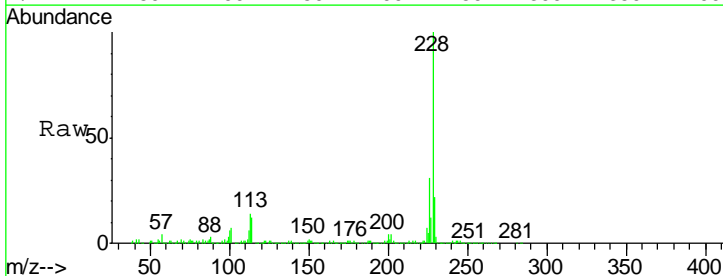
Instrument :
 BNA_F
 ClientSampled :

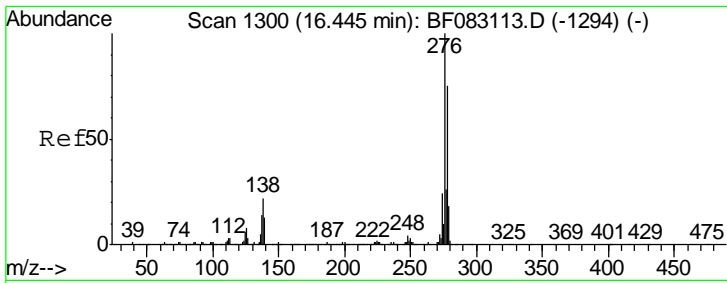
Tgt Ion	Resp	Lower	Upper
228	100		
226	33.7	22.6	33.8
229	20.6	16.6	24.8



#82
 Chrysene
 Concen: 15.39 ng
 RT: 13.77 min Scan# 1031
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion	Resp	Lower	Upper
228	100		
226	30.7	25.5	38.3
229	22.1	16.6	25.0

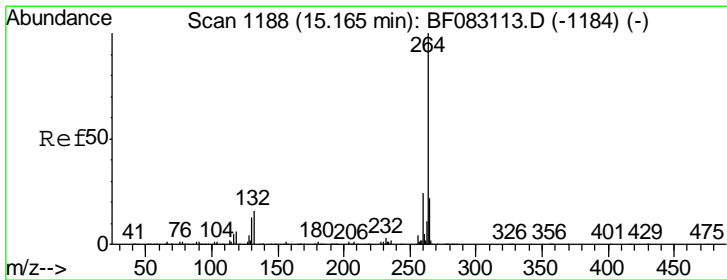
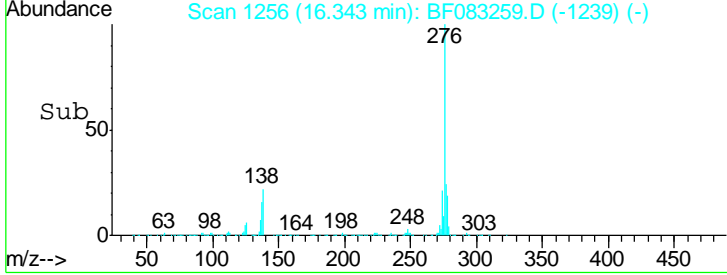
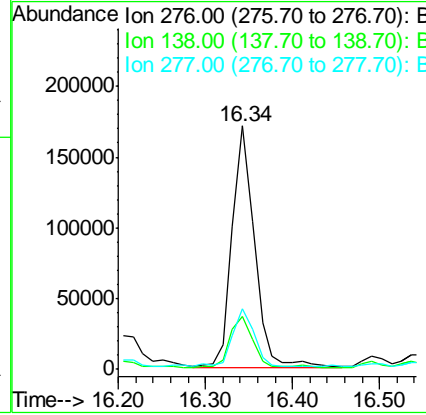
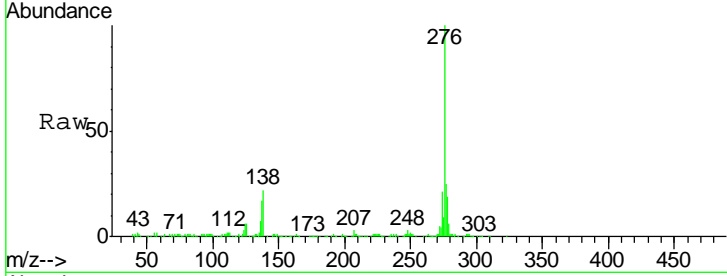




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.17 ng
 RT: 16.34 min Scan# 1256
 Delta R.T. -0.10 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

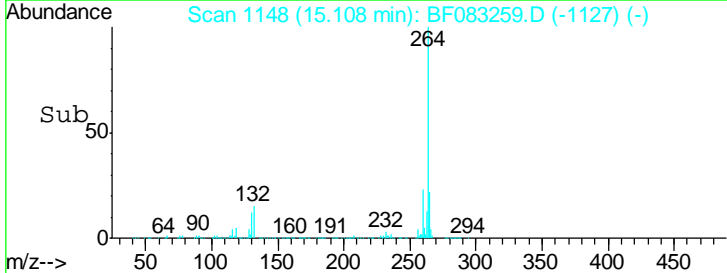
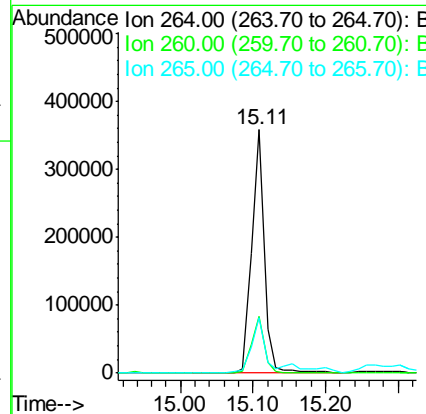
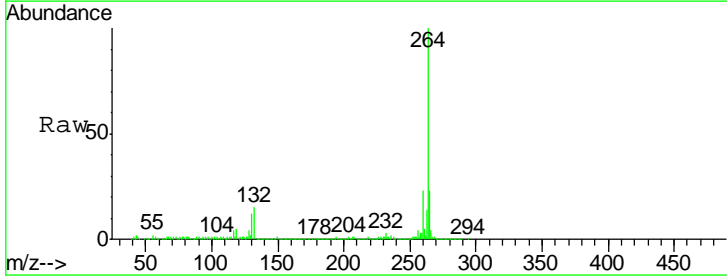
Instrument :
 BNA_F
 ClientSampled :

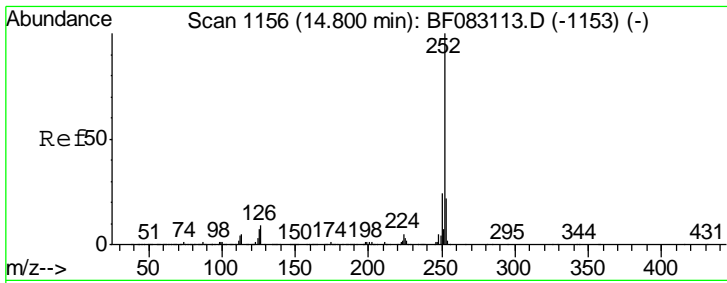
Tgt Ion	Resp	Lower	Upper
276	308692		
138	21.0	18.0	27.0
277	26.0	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1148
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion	Resp	Lower	Upper
264	436142		
260	23.1	19.1	28.7
265	22.5	18.2	27.4

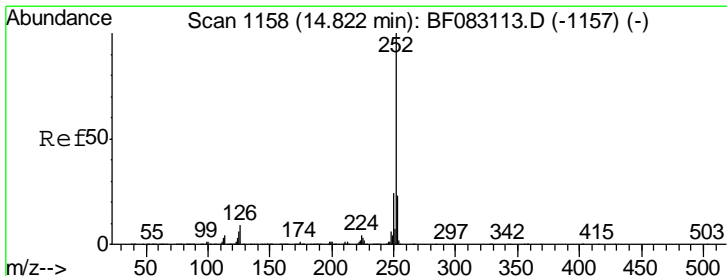
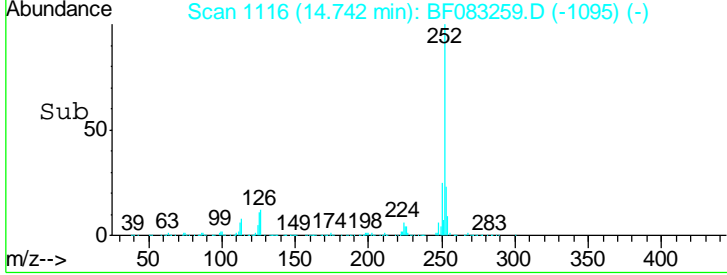
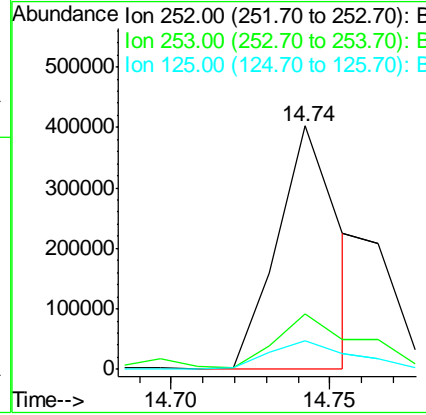
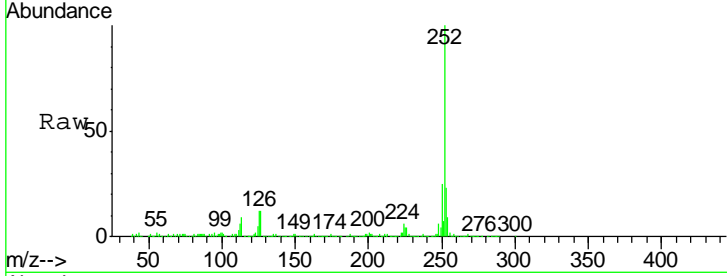




#87
 Benzo(b)fluoranthene
 Concen: 18.15 ng m
 RT: 14.74 min Scan# 1116
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

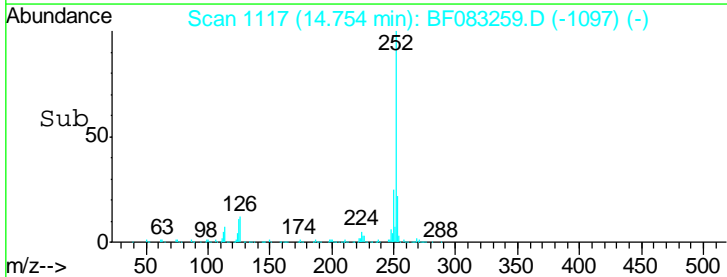
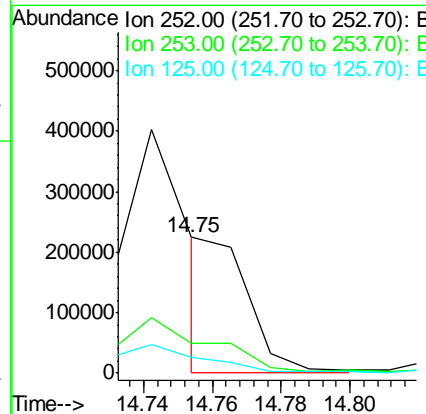
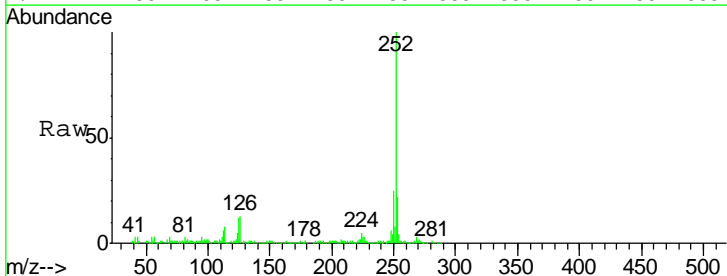
Instrument :
 BNA_F
 ClientSampled :

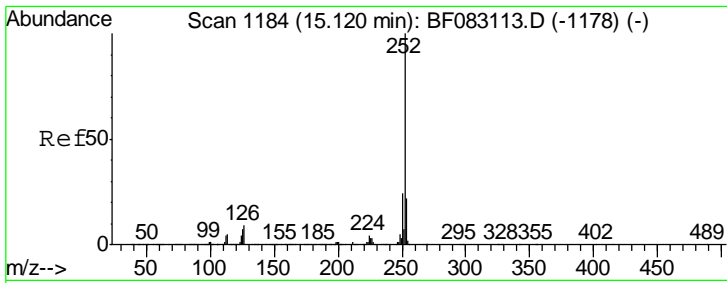
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	11.6	5.6	8.4#



#88
 Benzo(k)fluoranthene
 Concen: 7.80 ng m
 RT: 14.75 min Scan# 1117
 Delta R.T. -0.07 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	11.7	6.8	10.2#

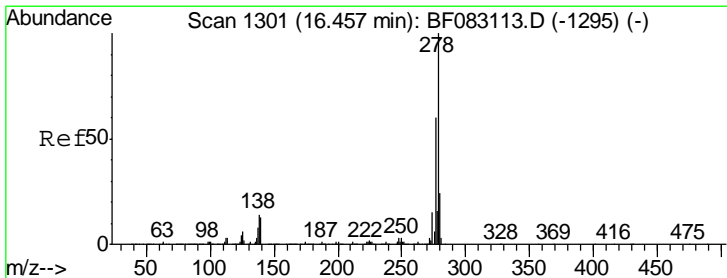
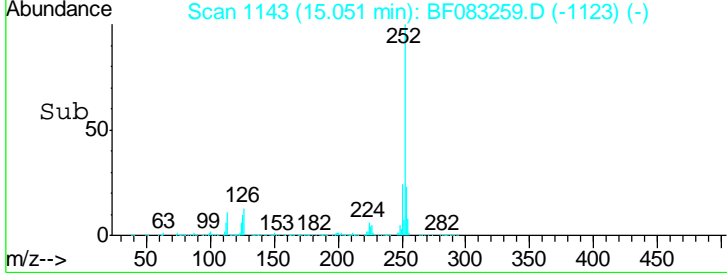
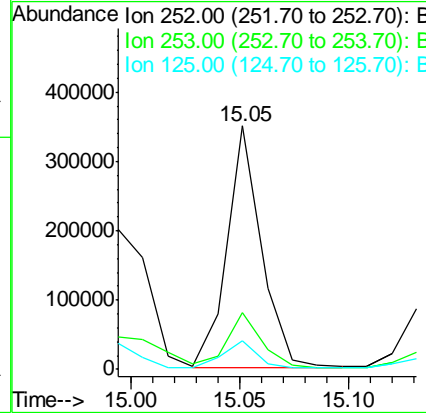
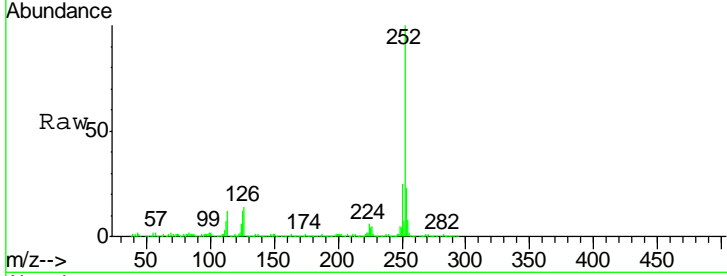




#89
 Benzo(a)pyrene
 Concen: 15.65 ng
 RT: 15.05 min Scan# 1143
 Delta R.T. -0.07 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

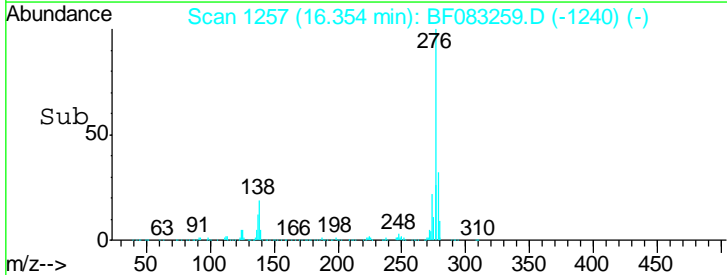
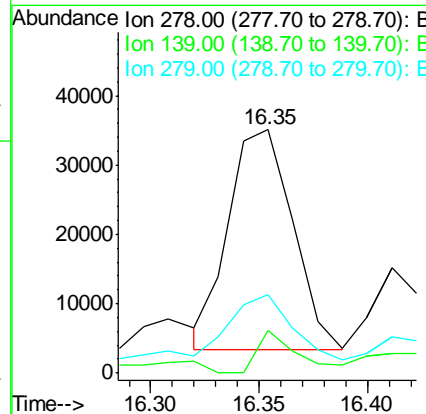
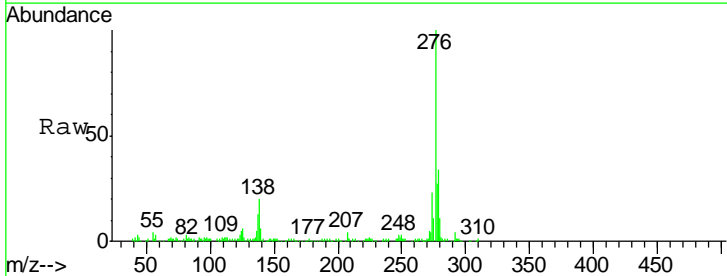
Instrument :
 BNA_F
 ClientSampled :

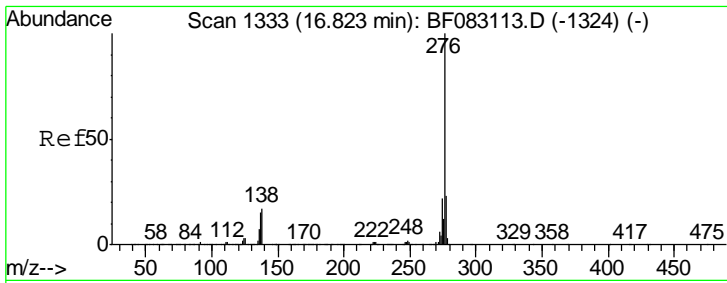
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	11.7	5.4	8.0#



#90
 Dibenzo(a,h)anthracene
 Concen: 2.92 ng m
 RT: 16.35 min Scan# 1257
 Delta R.T. -0.10 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion	Resp	Lower	Upper
278	100		
139	17.6	10.7	16.1#
279	32.4	19.3	28.9#





#91
 Benzo(g,h,i)perylene
 Concen: 13.92 ng
 RT: 16.71 min Scan# 1288
 Delta R.T. -0.11 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 276 Resp: 303618

Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.7	28.1
138	23.3	13.9	20.9

