

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
 Data File : BF084148.D
 Acq On : 26 Dec 2015 00:28
 Operator : UM/SJ
 Sample : G4954-04
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1SP-2(0-2)7E

Manual Integrations
 APPROVED

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Quant Time: Dec 26 06:03:30 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 24 16:48:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	57554	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	204857	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	86463	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	130590	20.00	ng	0.00
75) Chrysene-d12	13.96	240	115880	20.00	ng	0.00
86) Perylene-d12	15.38	264	90252	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	353872	104.24	ng	0.00
7) Phenol-d6	6.45	99	409572	97.50	ng	0.00
23) Nitrobenzene-d5	7.37	82	296235	84.64	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	91292	99.01	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	490546	77.63	ng	0.00
78) Terphenyl-d14	12.90	244	298837	46.66	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.55	163	79921	11.16	ng	Qvalue # 89
70) Phenanthrene	11.35	178	73552	9.50	ng	99
71) Anthracene	11.39	178	19693	2.43	ng	96
74) Fluoranthene	12.53	202	127586	12.10	ng	95
77) Pyrene	12.76	202	128867	12.89	ng	100
80) Benzo(a)anthracene	13.95	228	67183m	9.43	ng	
82) Chrysene	13.99	228	62907m	9.57	ng	
85) Indeno(1,2,3-cd)pyrene	16.79	276	26237	3.99	ng	96
87) Benzo(b)fluoranthene	14.98	252	63037m	9.41	ng	
88) Benzo(k)fluoranthene	14.99	252	26702m	5.88	ng	
89) Benzo(a)pyrene	15.32	252	48901	8.86	ng	# 86
91) Benzo(a,h,i)perylene	17.21	276	30042	5.46	ng	95

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

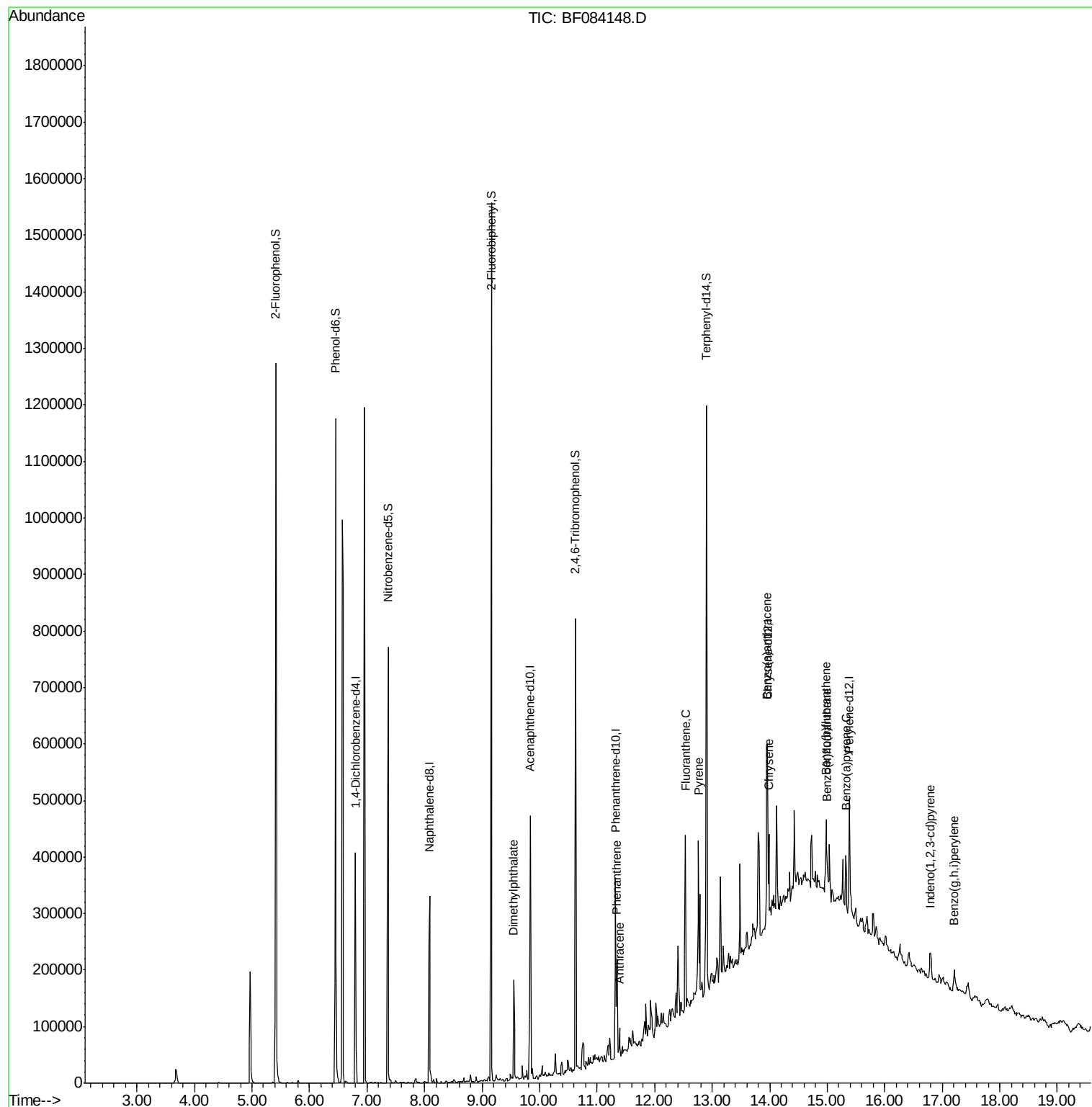
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084148.D
Acq On : 26 Dec 2015 00:28
Operator : UM/SJ
Sample : G4954-04
Misc :
ALS Vial : 65 Sample Multiplier: 1

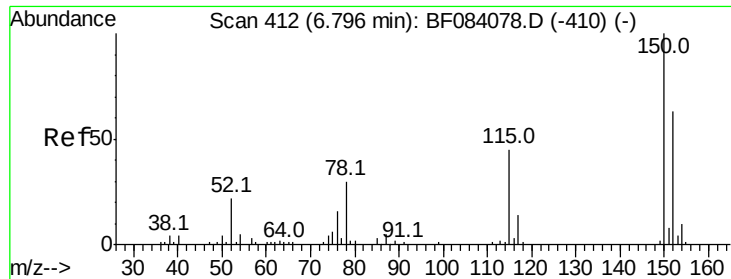
Instrument :
BNA_F
ClientSampleId :
1SP-2(0-2)7E

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

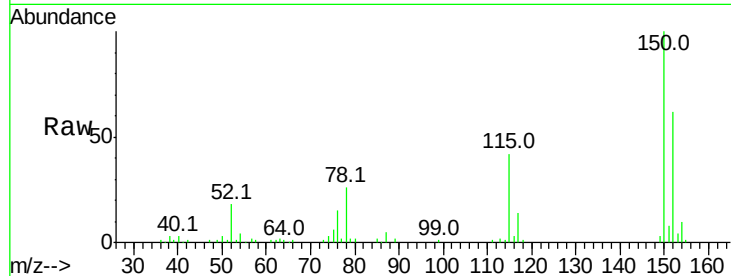
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. 0.00 min
Lab File: BF084148.D
Acq: 26 Dec 2015 00:28

Instrument :
BNA_F
ClientSampleId :
1SP-2(0-2)7E

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	123.0	184.4
115	67.3	51.4	77.2

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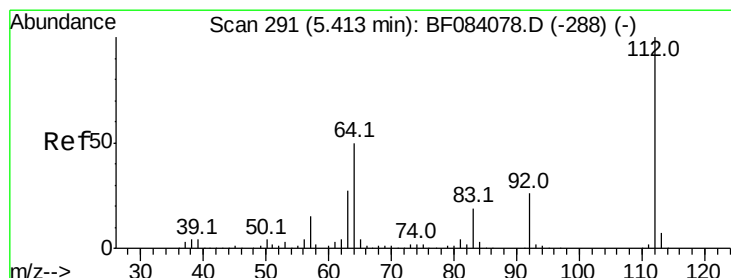
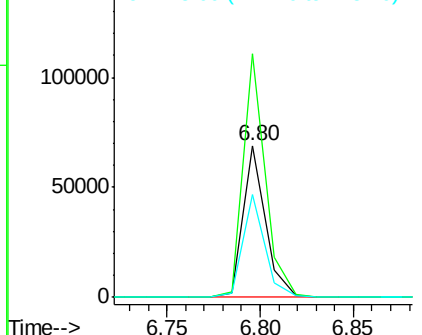
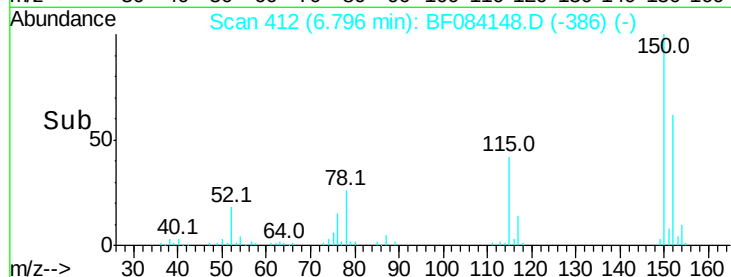


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

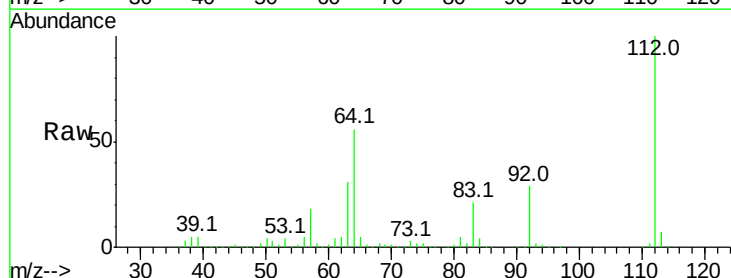
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.24 ng
RT: 5.41 min Scan# 291
Delta R.T. 0.00 min
Lab File: BF084148.D
Acq: 26 Dec 2015 00:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	36.6	55.0#
63	31.1	19.4	29.0#

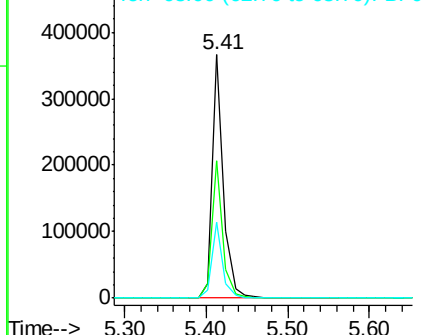
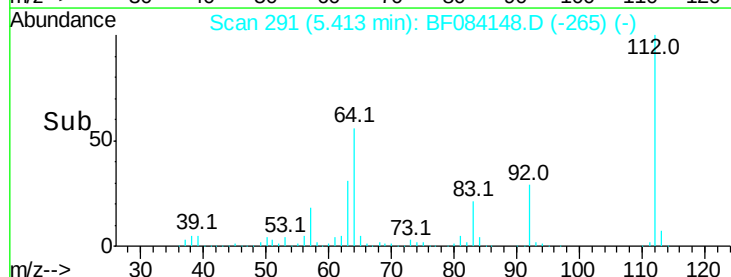


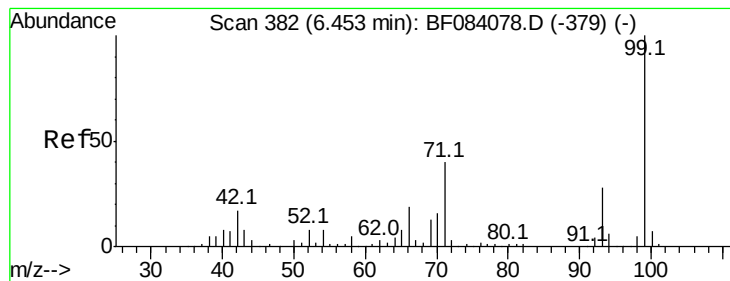
Abundance

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: 97.50 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.00 min

Lab File: BF084148.D

Acq: 26 Dec 2015 00:28

Instrument :

BNA_F

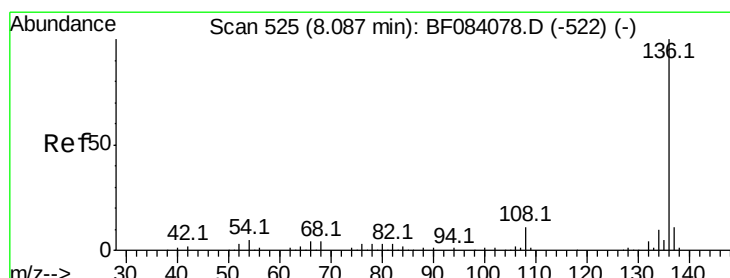
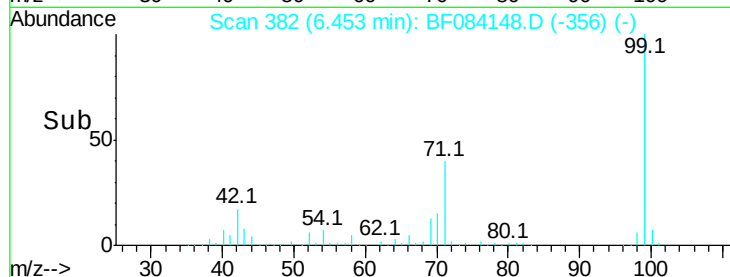
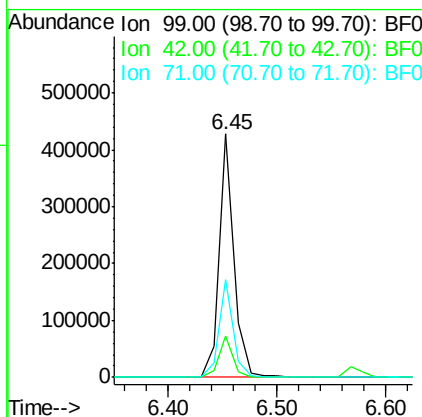
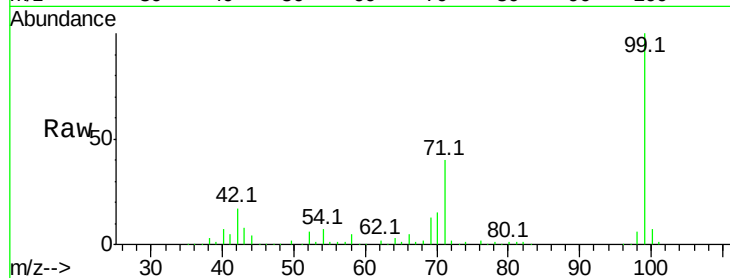
ClientSampleId :

1SP-2(0-2)7E

Tot Ion:	99	Resp:	409572
Ion Ratio	Lower	Upper	
99	100		
42	16.7	12.8	19.2
71	40.1	30.9	46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

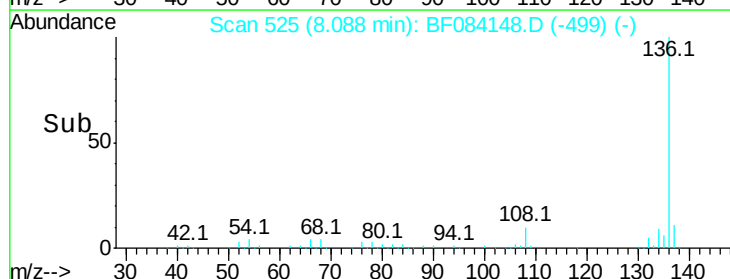
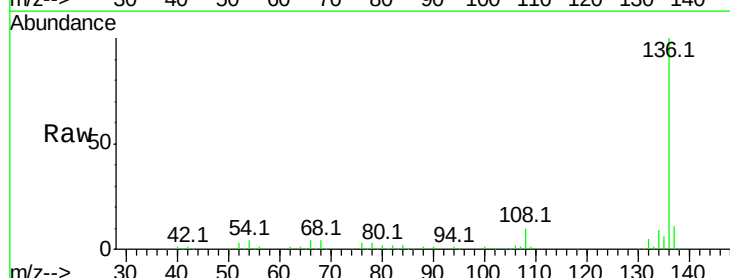
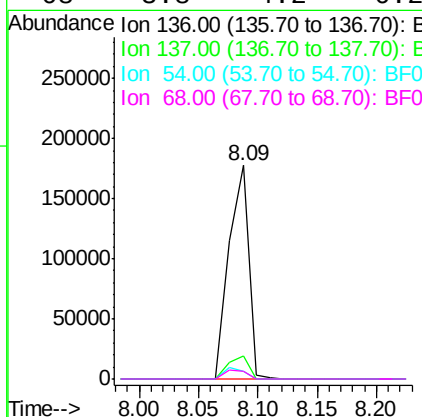
RT: 8.09 min Scan# 525

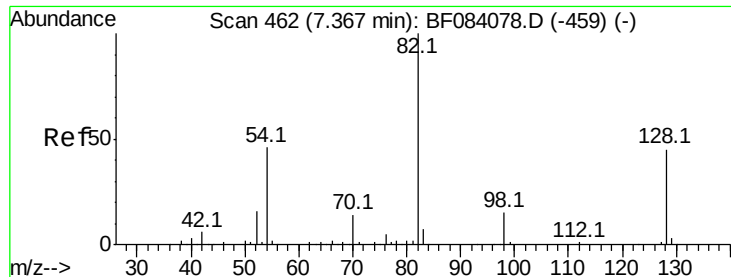
Delta R.T. 0.00 min

Lab File: BF084148.D

Acq: 26 Dec 2015 00:28

Tgt Ion:	136	Resp:	204857
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	3.9	5.8	8.8#
68	3.8	4.2	6.2#





#23

Nitrobenzene-d5

Concen: 84.64 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.00 min

Lab File: BF084148.D

Acq: 26 Dec 2015 00:28

Instrument :

BNA_F

ClientSampleId :

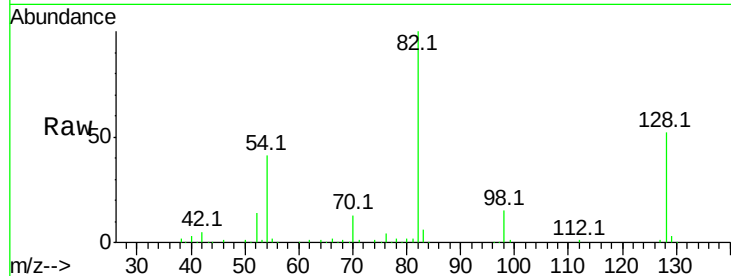
1SP-2(0-2)7E

Tot Ion: 82 Resp: 296235
Ion Ratio Lower Upper

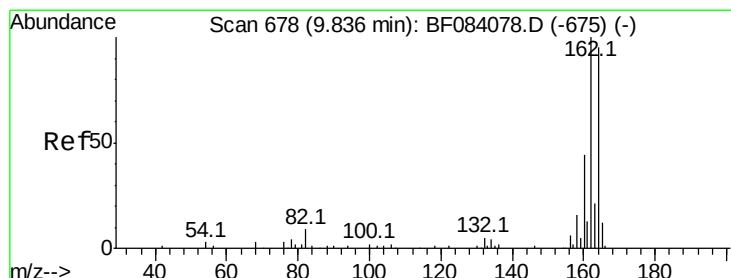
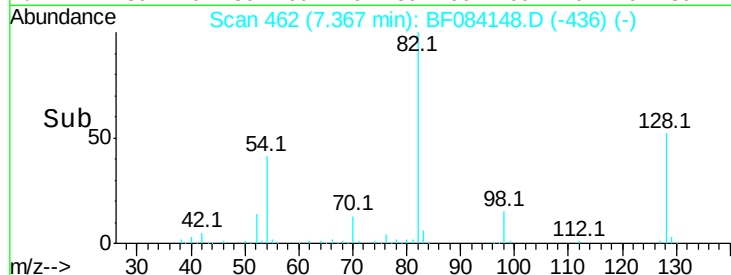
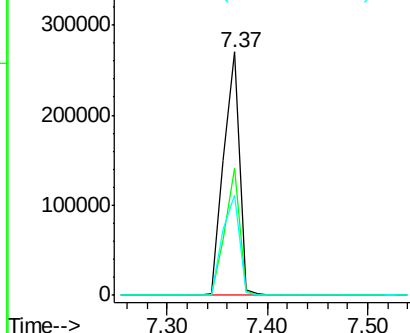
82	100		
128	52.4	34.6	51.8#
54	41.4	38.4	57.6

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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: 9.84 min Scan# 678

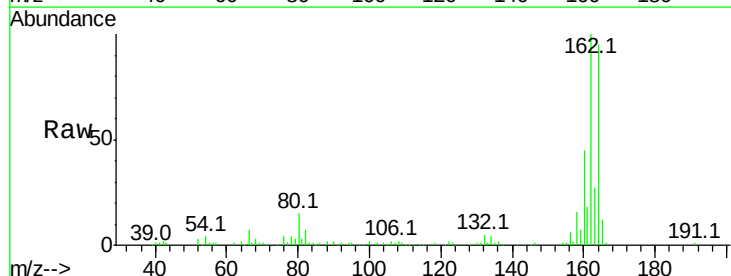
Delta R.T. 0.00 min

Lab File: BF084148.D

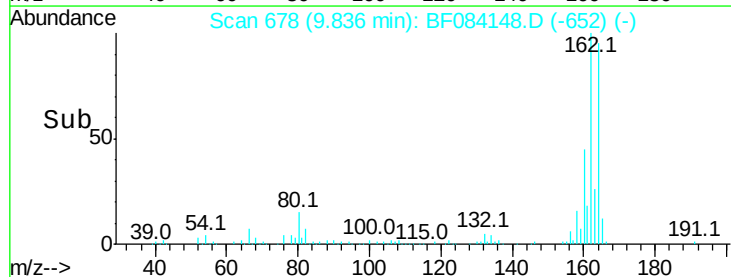
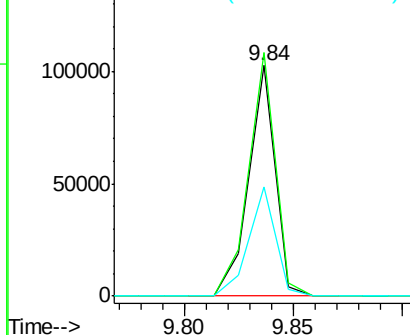
Acq: 26 Dec 2015 00:28

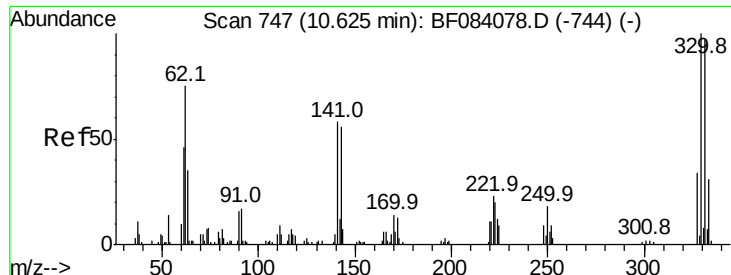
Tgt Ion: 164 Resp: 86463
Ion Ratio Lower Upper

164	100		
162	105.6	85.1	127.7
160	47.6	37.5	56.3



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





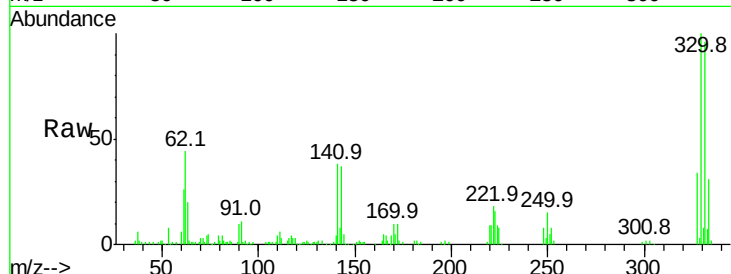
#41
 2,4,6-Tribromophenol
 Concen: 99.01 ng
 RT: 10.62 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF084148.D
 Acq: 26 Dec 2015 00:28

Instrument :
 BNA_F
 ClientSampleId :
 1SP-2(0-2)7E

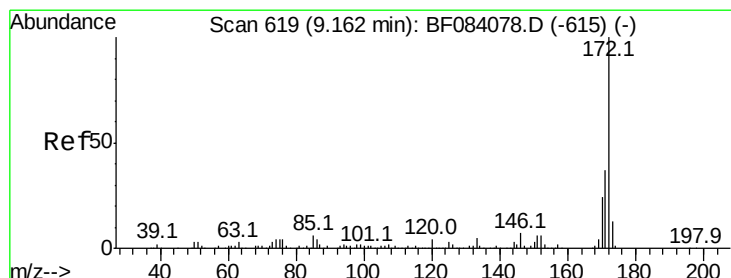
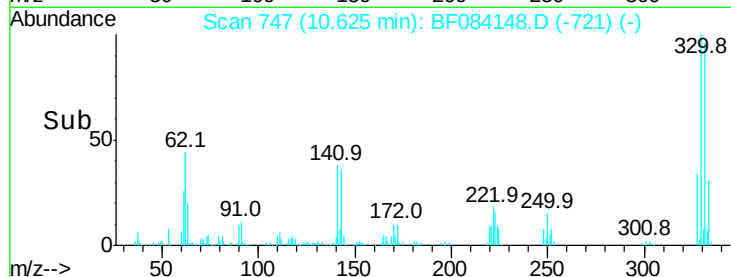
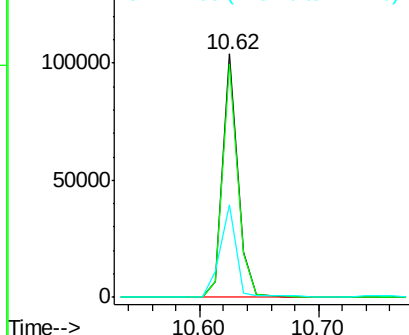
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	114.8
141	42.3	27.8	41.6

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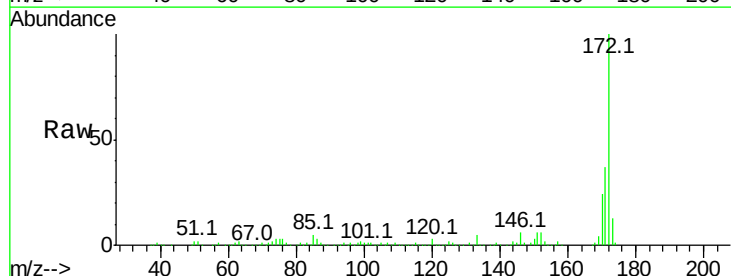


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

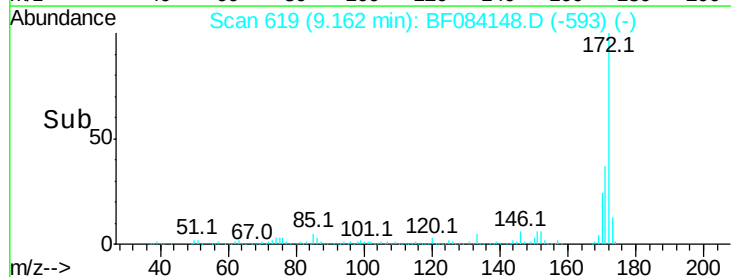
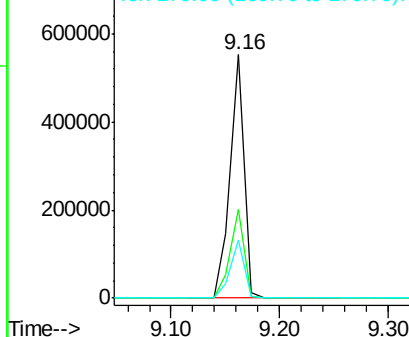


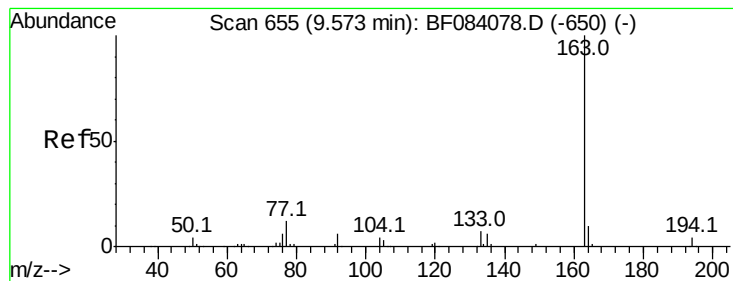
#44
 2-Fluorobiphenyl
 Concen: 77.63 ng
 RT: 9.16 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: BF084148.D
 Acq: 26 Dec 2015 00:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.9	43.3
170	23.9	18.6	27.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 11.16 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.02 min

Lab File: BF084148.D

Acq: 26 Dec 2015 00:28

Instrument :

BNA_F

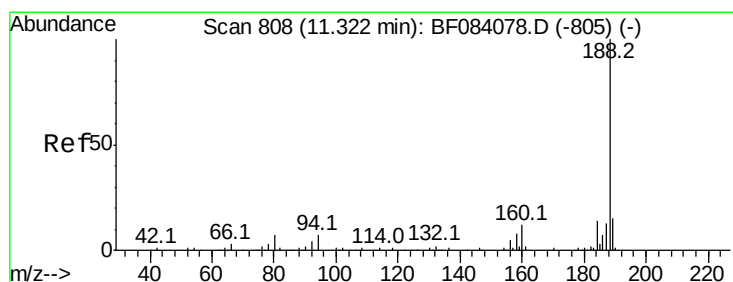
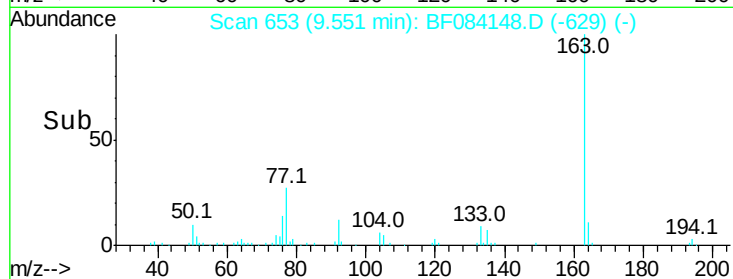
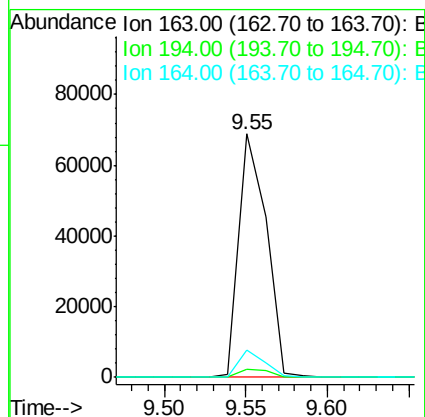
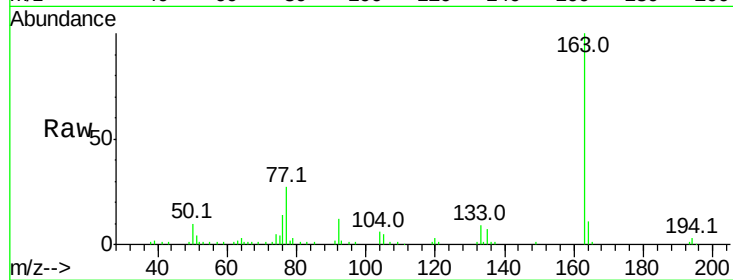
ClientSampleId :

1SP-2(0-2)7E

Tot Ion:	163	Resp:	79921
Ion Ratio	Lower	Upper	
163	100		
194	3.1	8.0	12.0#
164	11.1	8.0	12.0

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#63

Phenanthrene-d10

Concen: 20.00 ng

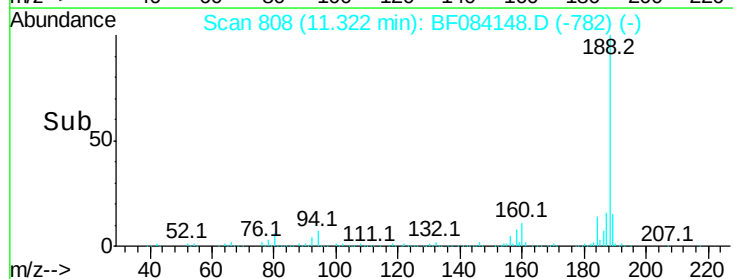
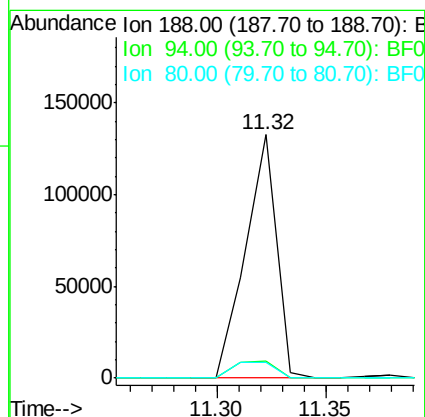
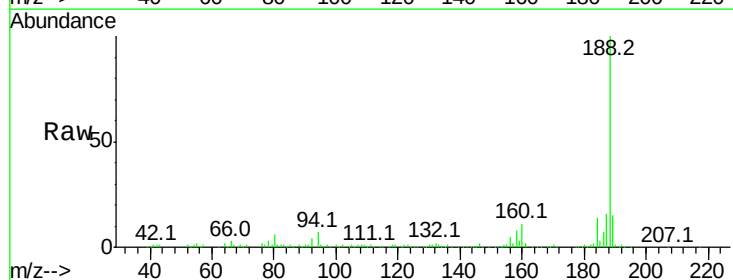
RT: 11.32 min Scan# 808

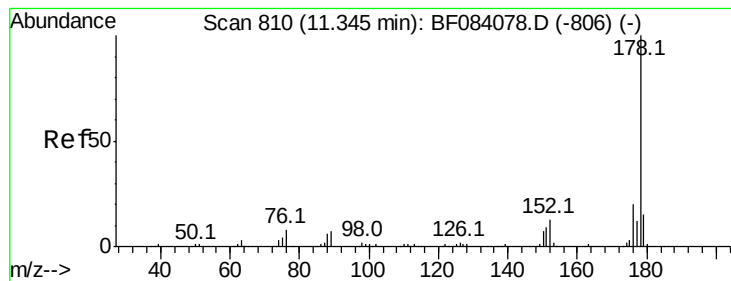
Delta R.T. 0.00 min

Lab File: BF084148.D

Acq: 26 Dec 2015 00:28

Tgt Ion:	188	Resp:	130590
Ion Ratio	Lower	Upper	
188	100		
94	7.0	9.0	13.4#
80	6.3	9.6	14.4#





#70

Phenanthrene

Concen: 9.50 ng

RT: 11.35 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF084148.D

Acq: 26 Dec 2015 00:28

Instrument :

BNA_F

ClientSampleId :

1SP-2(0-2)7E

Tot Ion:178 Resp: 73552

Ion Ratio Lower Upper

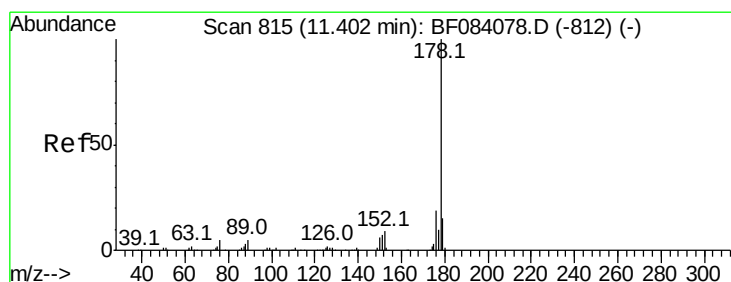
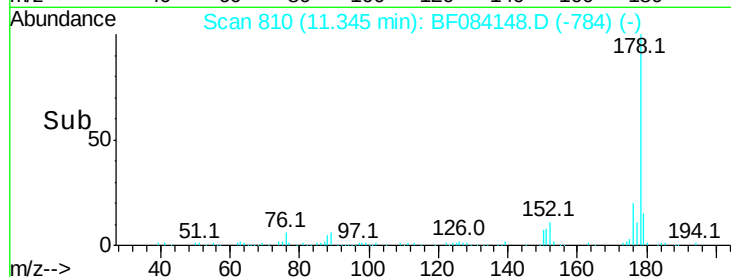
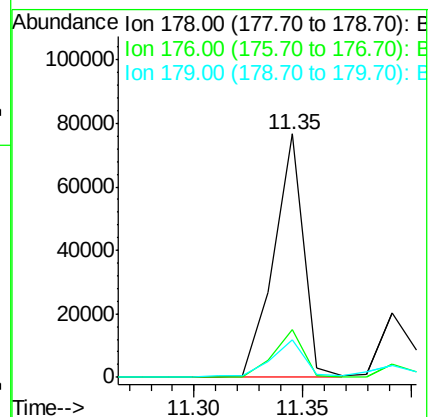
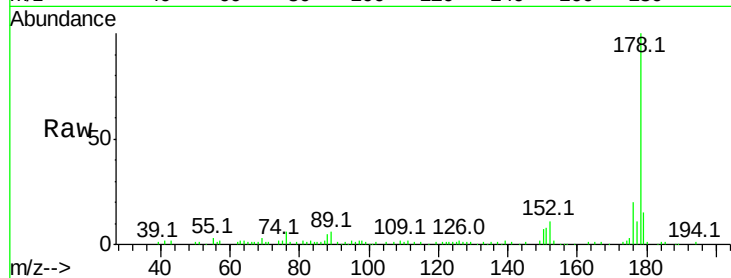
178 100

176 19.9 15.3 22.9

179 15.4 12.0 18.0

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#71

Anthracene

Concen: 2.43 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF084148.D

Acq: 26 Dec 2015 00:28

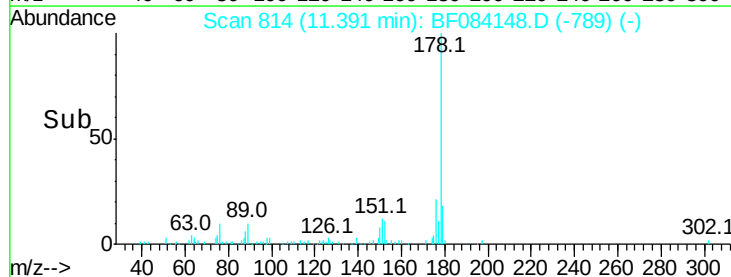
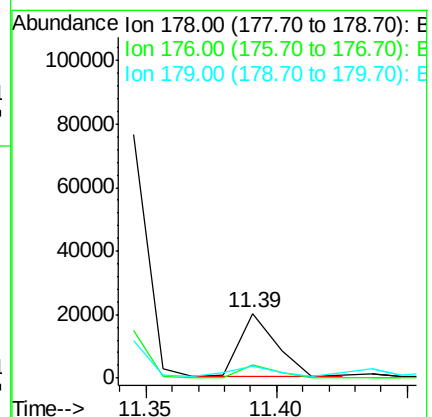
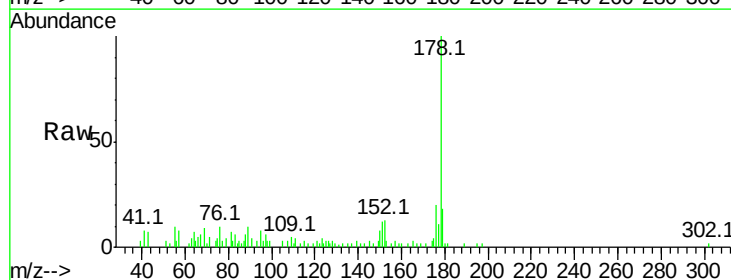
Tgt Ion:178 Resp: 19693

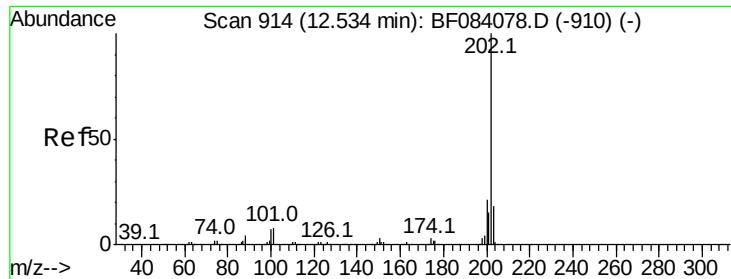
Ion Ratio Lower Upper

178 100

176 20.4 15.4 23.0

179 17.7 12.5 18.7





#74

Fluoranthene

Concen: 12.10 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF084148.D

Acq: 26 Dec 2015 00:28

Instrument :

BNA_F

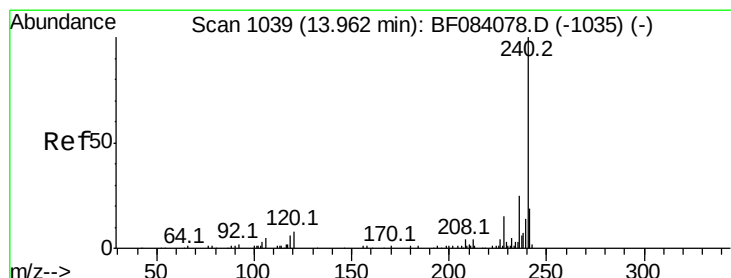
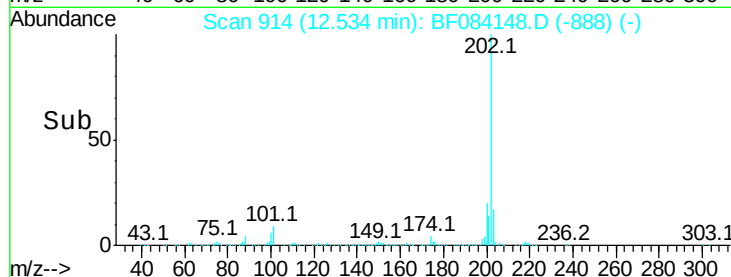
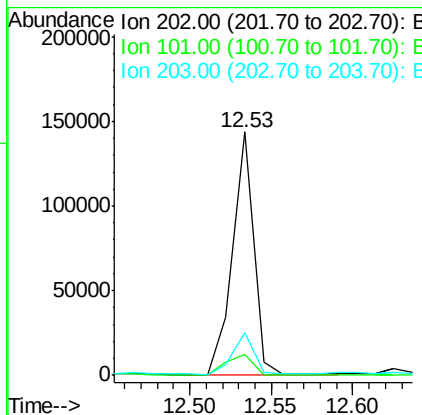
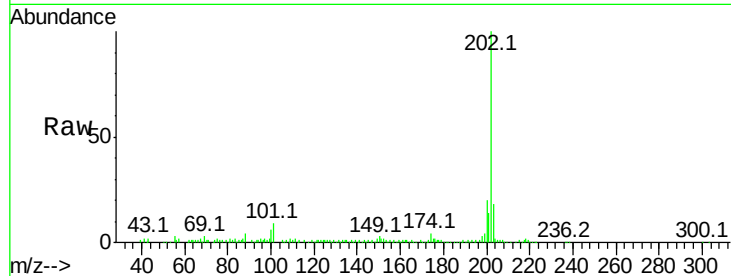
ClientSampleId :

1SP-2(0-2)7E

Tot Ion	Ion	Ratio	Resp Lower	Upper
202	100			
101	8.6	0.0	32.8	
203	17.6	0.0	37.9	

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#75

Chrysene-d12

Concen: 20.00 ng

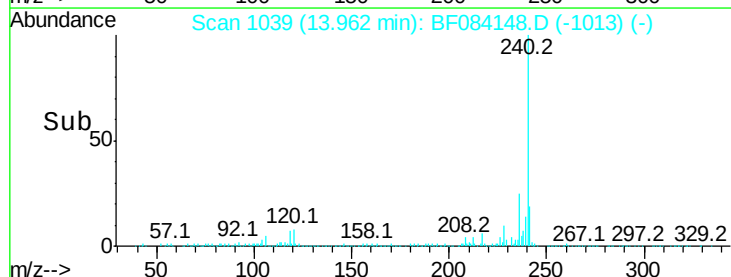
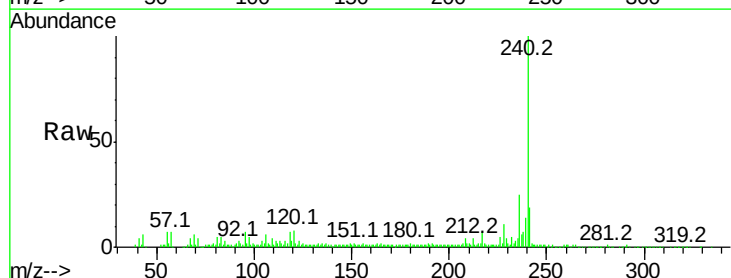
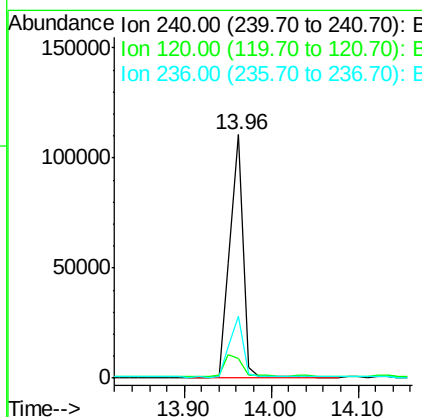
RT: 13.96 min Scan# 1039

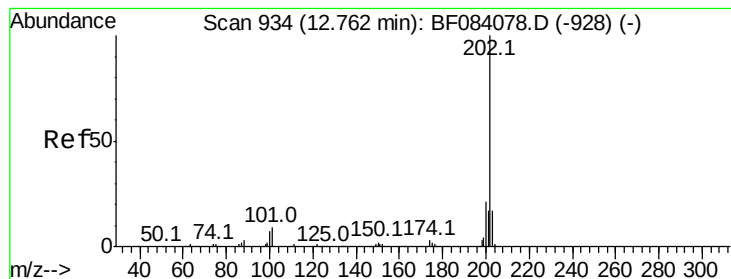
Delta R.T. 0.00 min

Lab File: BF084148.D

Acq: 26 Dec 2015 00:28

Tgt Ion	Ion	Ratio	Resp Lower	Upper
240	100			
120	8.3	9.5	14.3#	
236	25.2	20.6	31.0	





#77

Pvrene

Concen: 12.89 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF084148.D

Acq: 26 Dec 2015 00:28

Instrument :

BNA_F

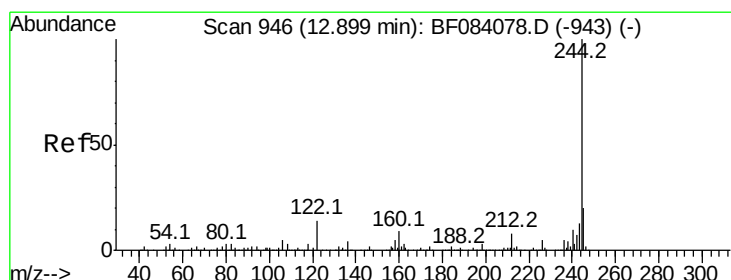
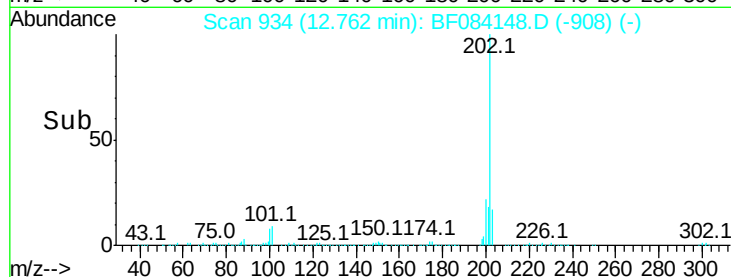
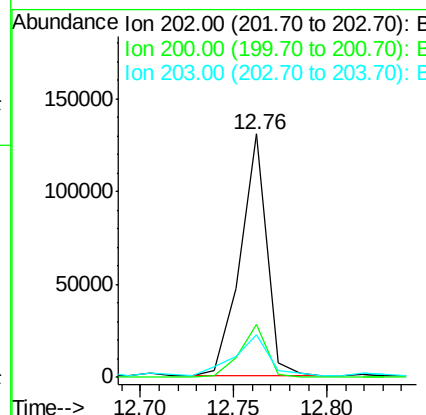
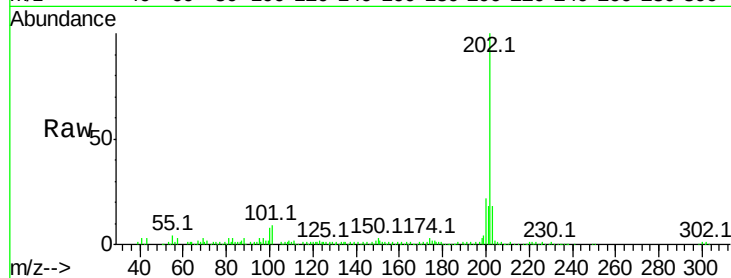
ClientSampleId :

1SP-2(0-2)7E

Tot Ion:	202	Resp:	128867
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.2	25.8
203	17.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 46.66 ng

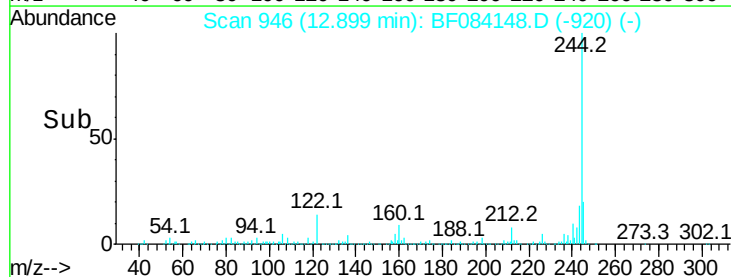
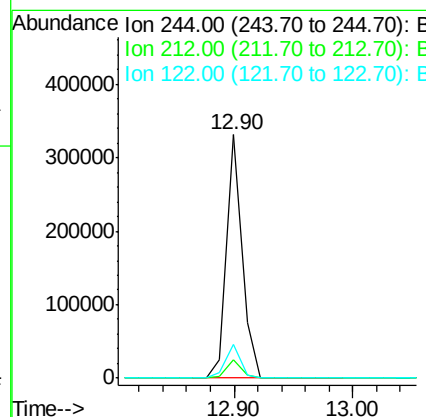
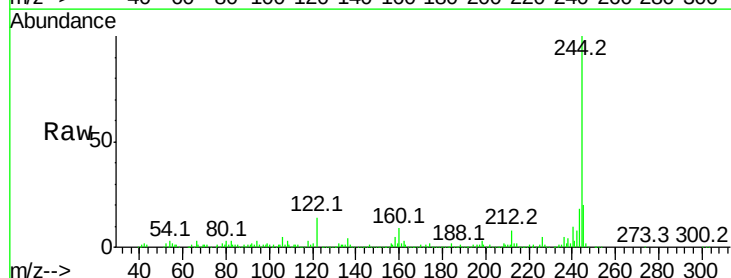
RT: 12.90 min Scan# 946

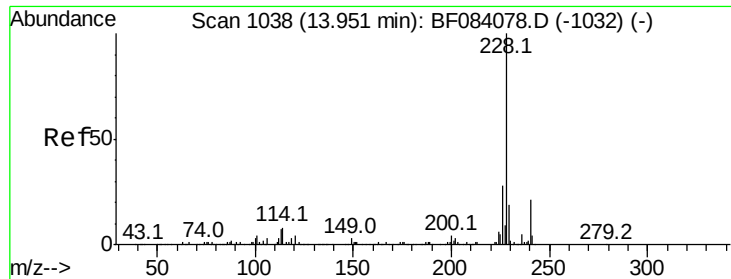
Delta R.T. 0.00 min

Lab File: BF084148.D

Acq: 26 Dec 2015 00:28

Tgt Ion:	244	Resp:	298837
Ion Ratio	Lower	Upper	
244	100		
212	7.8	5.7	8.5
122	13.8	7.4	11.0#





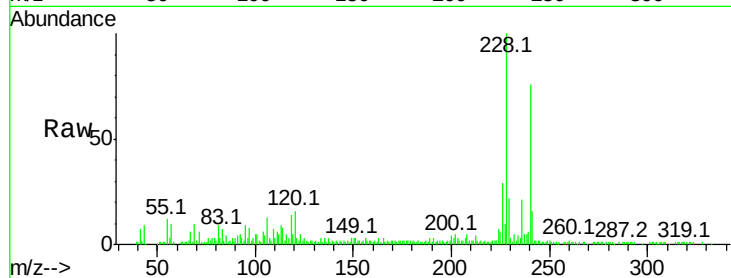
#80
Benzo(a)anthracene
Concen: 9.43 ng m
RT: 13.95 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF084148.D
Acq: 26 Dec 2015 00:28

Instrument :
BNA_F
ClientSampleId :
1SP-2(0-2)7E

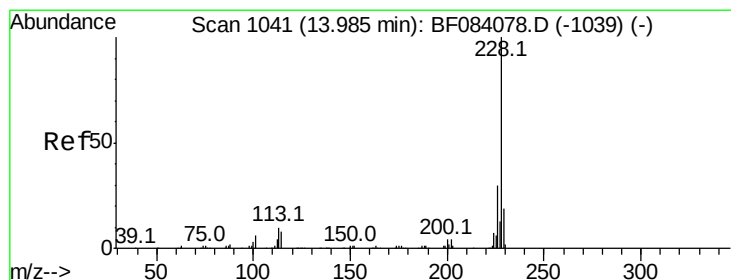
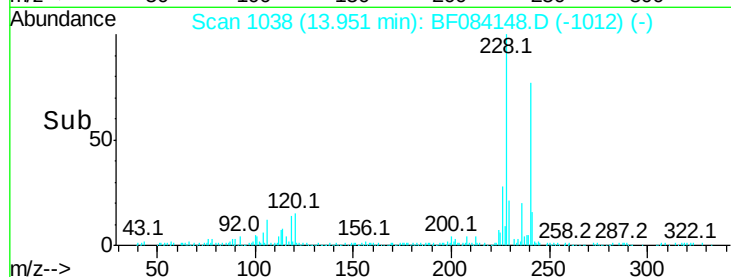
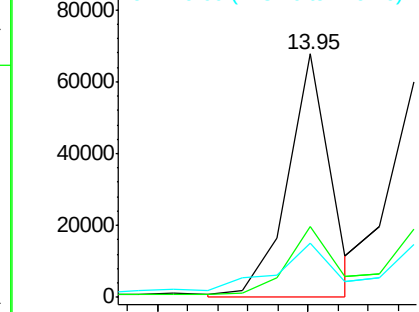
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.8	32.6
229	22.3	15.8	23.8

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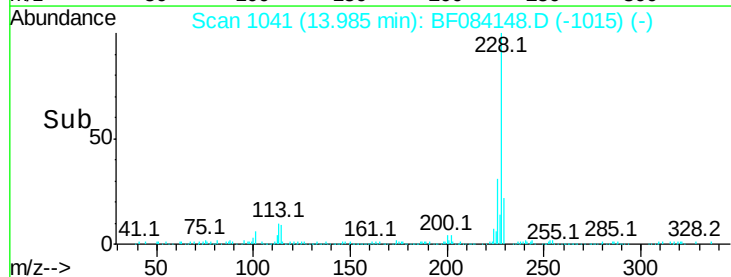
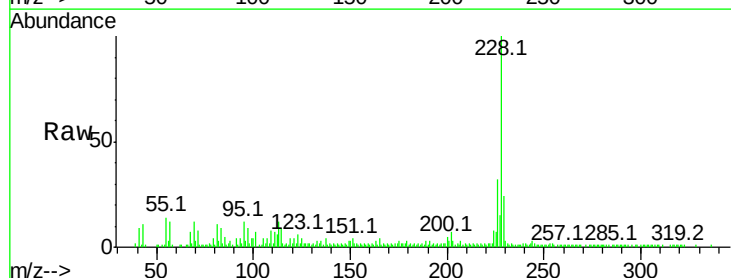
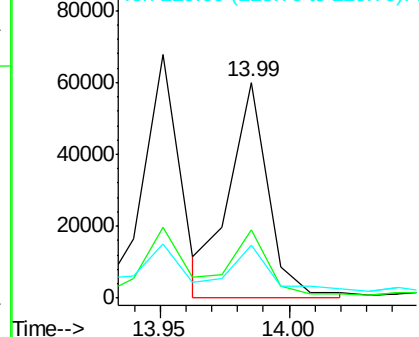
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

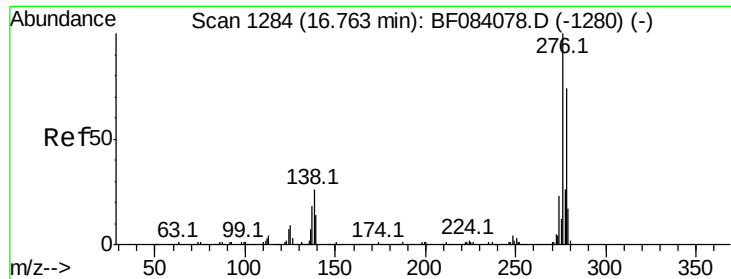


#82
Chrysene
Concen: 9.57 ng m
RT: 13.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF084148.D
Acq: 26 Dec 2015 00:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.3	36.5
229	24.2	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





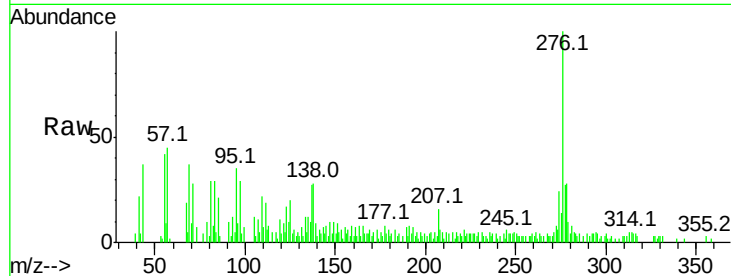
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.99 ng
RT: 16.79 min Scan# 1286
Delta R.T. 0.02 min
Lab File: BF084148.D
Acq: 26 Dec 2015 00:28

Instrument :
BNA_F
ClientSampleId :
1SP-2(0-2)7E

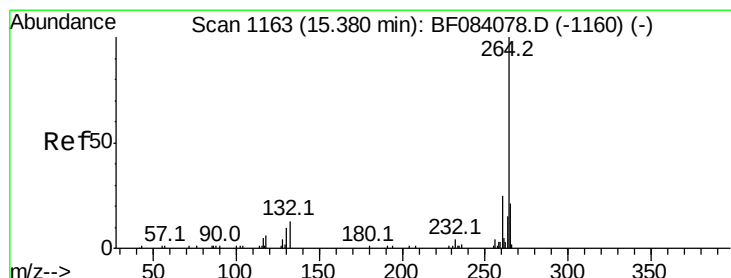
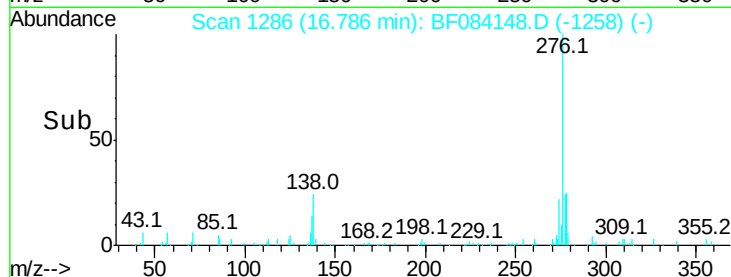
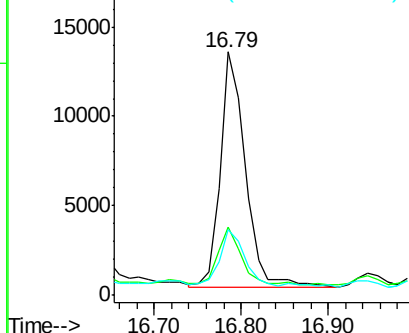
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.6	20.6	30.8
277	23.2	20.1	30.1

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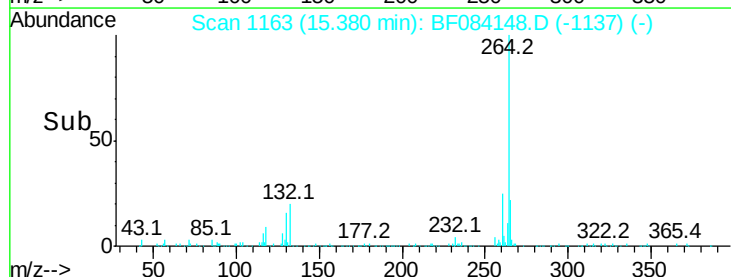
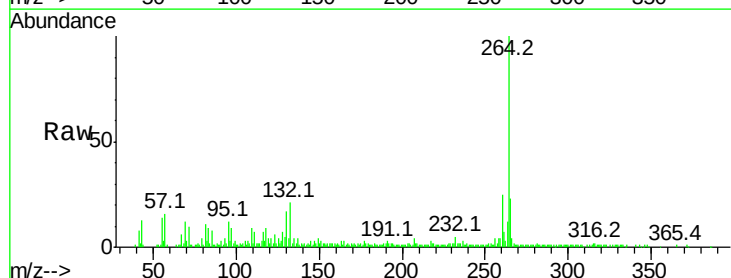
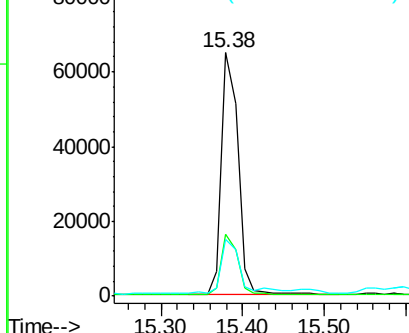
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

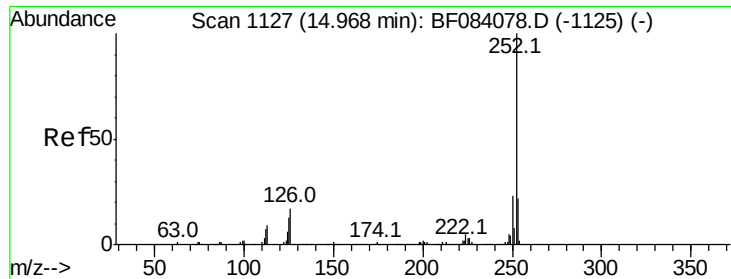


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BF084148.D
Acq: 26 Dec 2015 00:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.4	29.2
265	23.3	17.8	26.6

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: 9.41 ng m

RT: 14.98 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BF084148.D

Acq: 26 Dec 2015 00:28

Instrument :

BNA_F

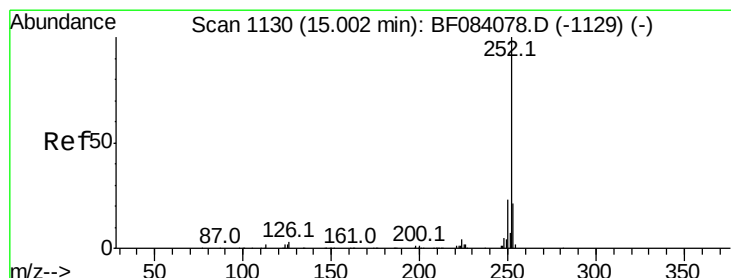
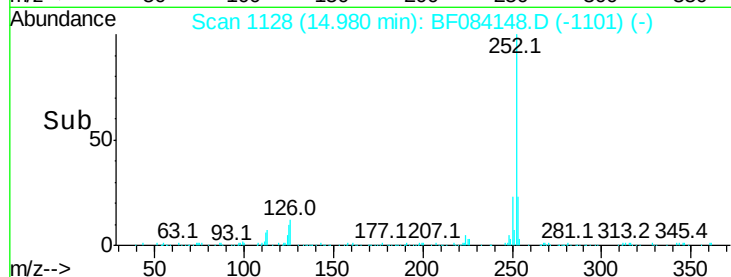
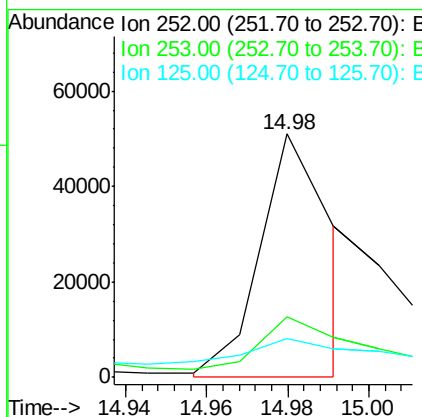
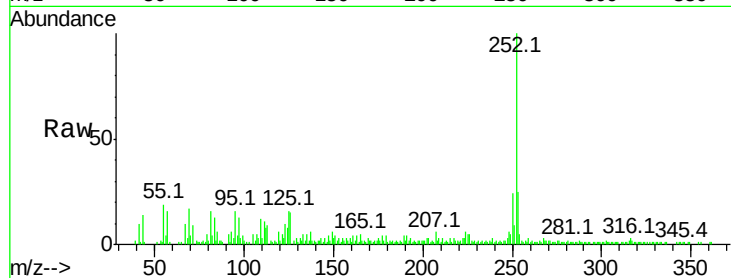
ClientSampleId :

1SP-2(0-2)7E

Tot Ion:	252	Resp:	63037
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.3	25.9
125	16.1	6.5	9.7#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 5.88 ng m

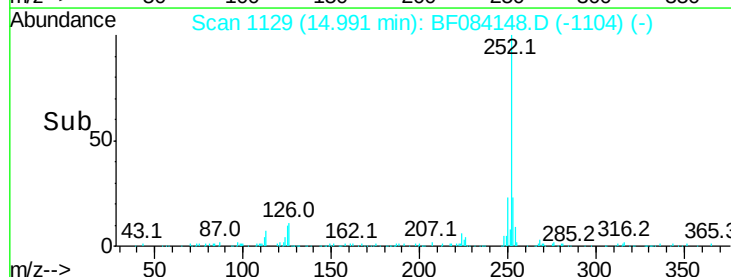
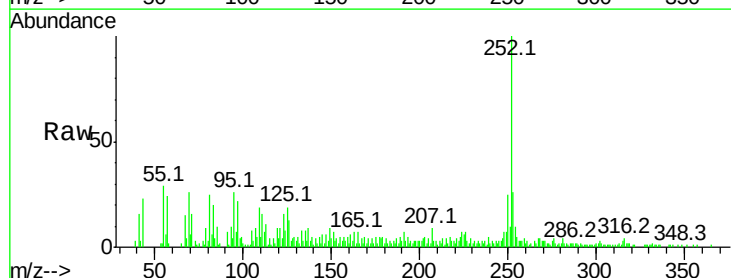
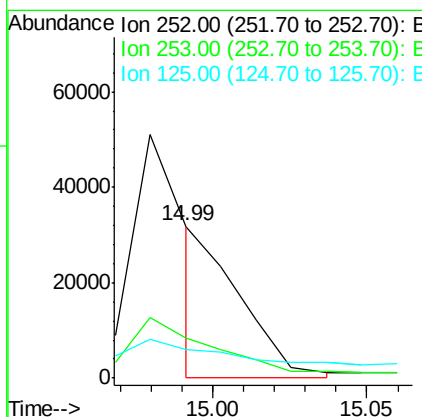
RT: 14.99 min Scan# 1129

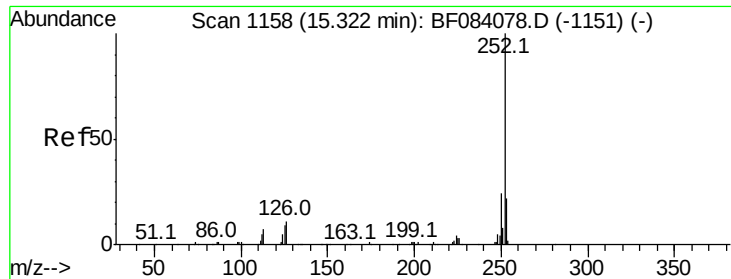
Delta R.T. -0.01 min

Lab File: BF084148.D

Acq: 26 Dec 2015 00:28

Tgt Ion:	252	Resp:	26702
Ion Ratio	Lower	Upper	
252	100		
253	26.1	18.1	27.1
125	18.6	9.0	13.6#





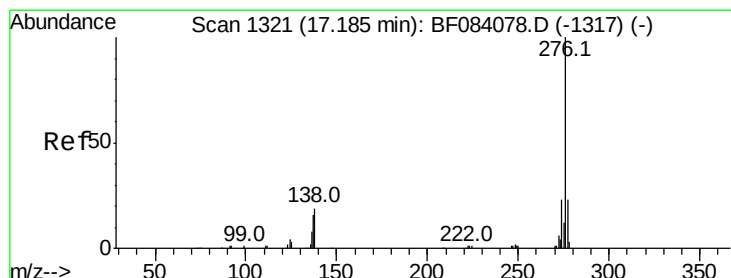
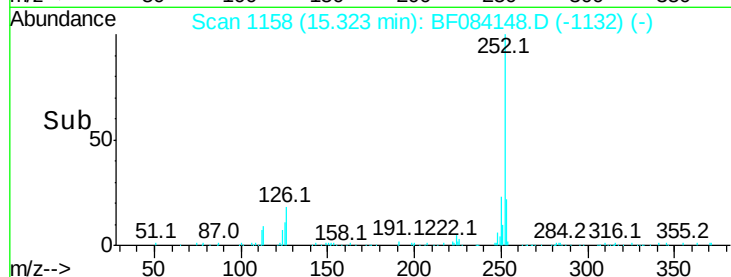
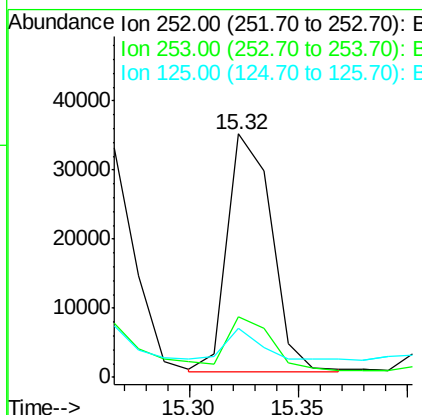
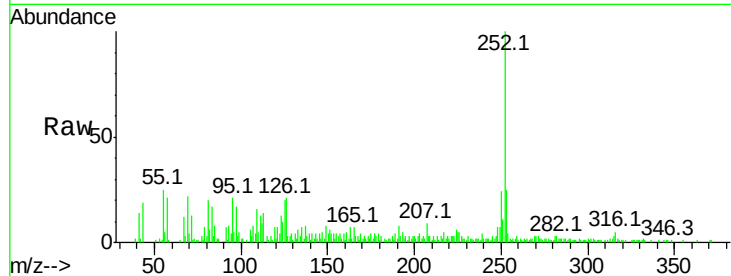
#89
Benzo(a)pyrene
Concen: 8.86 ng
RT: 15.32 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BF084148.D
Acq: 26 Dec 2015 00:28

Instrument :
BNA_F
ClientSampleId :
1SP-2(0-2)7E

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.3	25.9
125	20.0	7.0	10.4

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#91
Benzo(g,h,i)perylene
Concen: 5.46 ng
RT: 17.21 min Scan# 1323
Delta R.T. 0.02 min
Lab File: BF084148.D
Acq: 26 Dec 2015 00:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.8	28.2
138	25.2	17.8	26.6

