

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
 Data File : BF084150.D
 Acq On : 26 Dec 2015 1:24
 Operator : UM/SJ
 Sample : G4954-07
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Dec 26 06:12:15 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	57722	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	205700	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	91360	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	141819	20.00	ng	0.00
75) Chrysene-d12	13.96	240	110899	20.00	ng	0.00
86) Perylene-d12	15.39	264	102551	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	480893	141.25	ng	0.01
7) Phenol-d6	6.46	99	606570	143.98	ng	0.01
23) Nitrobenzene-d5	7.37	82	363873	103.55	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	120678	123.87	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	571354	85.57	ng	0.00
78) Terphenyl-d14	12.90	244	382753	62.45	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.56	163	120826	15.97	ng	Qvalue # 91
70) Phenanthrene	11.34	178	98850	11.76	ng	100
71) Anthracene	11.39	178	24790m	2.82	ng	
74) Fluoranthene	12.53	202	145828	12.90	ng	98
77) Pyrene	12.76	202	154151	16.11	ng	99
80) Benzo(a)anthracene	13.95	228	91534	13.42	ng	96
82) Chrysene	13.99	228	67766m	10.77	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	35155	5.58	ng	98
87) Benzo(b)fluoranthene	14.98	252	97828m	12.85	ng	
88) Benzo(k)fluoranthene	15.00	252	22059m	4.27	ng	
89) Benzo(a)pyrene	15.33	252	65595	10.45	ng	# 89
91) Benzo(a,h,i)perylene	17.22	276	37246	5.96	ng	# 92

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

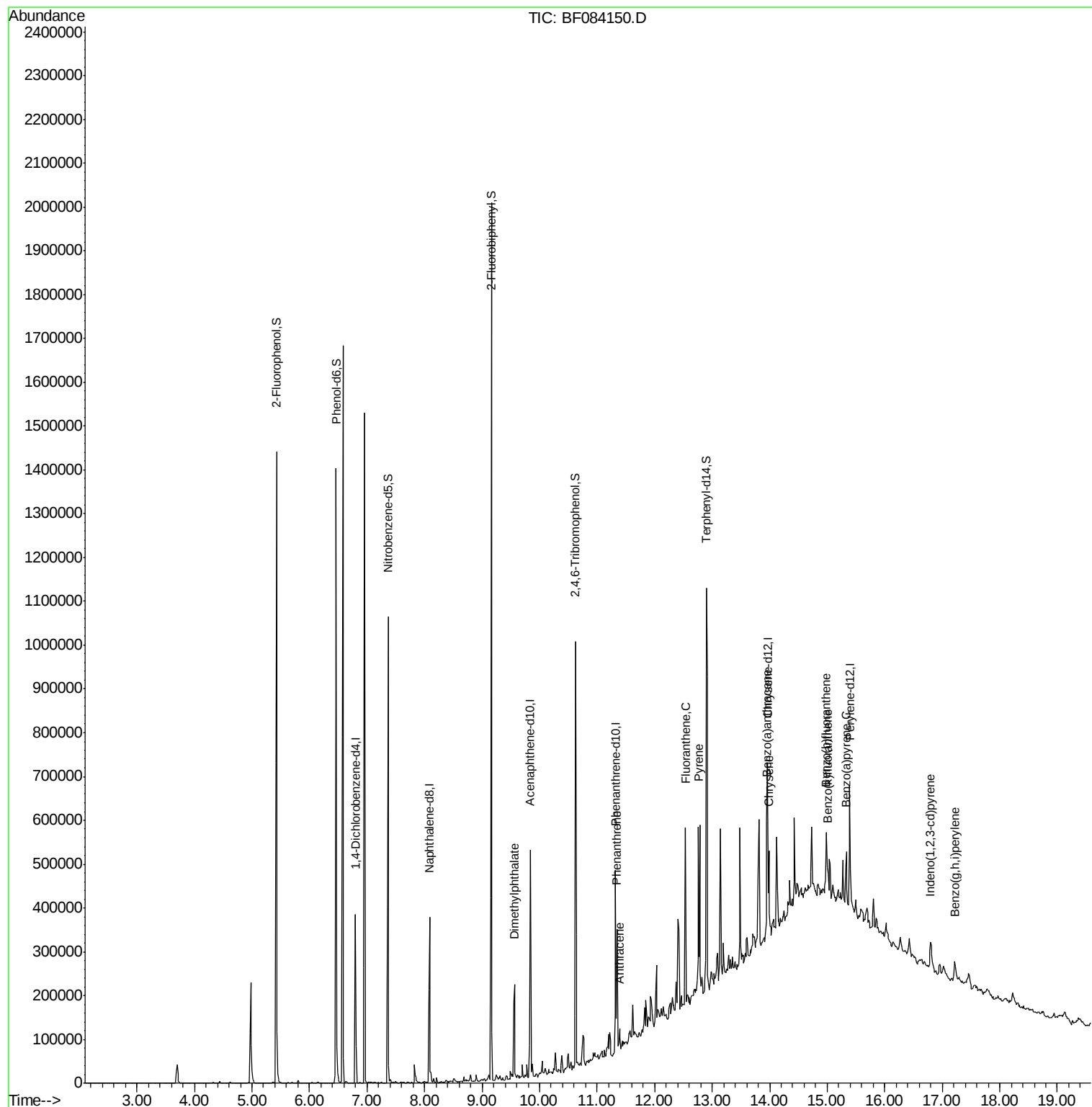
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
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Misc :
ALS Vial : 67 Sample Multiplier: 1

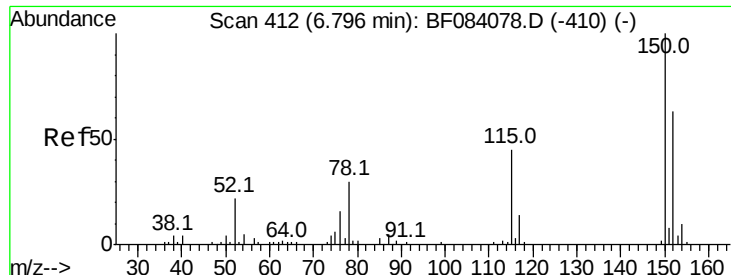
Instrument :
BNA_F
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2SP-2(0-2)7E

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M
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#1

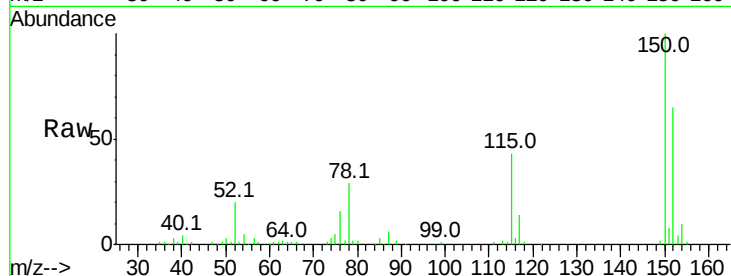
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. 0.00 min
Lab File: BF084150.D
Acq: 26 Dec 2015 1:24

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

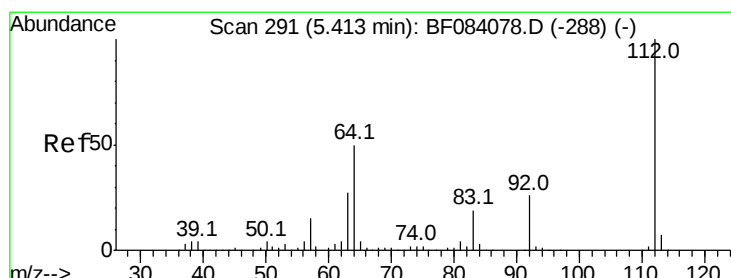
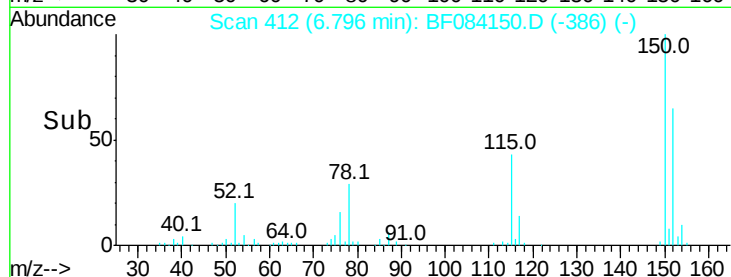
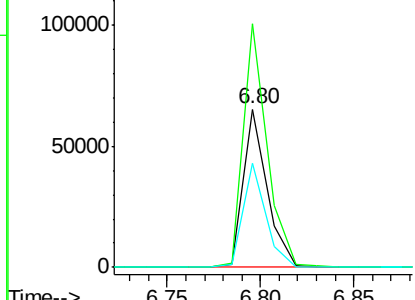
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.0	184.4
115	65.8	51.4	77.2

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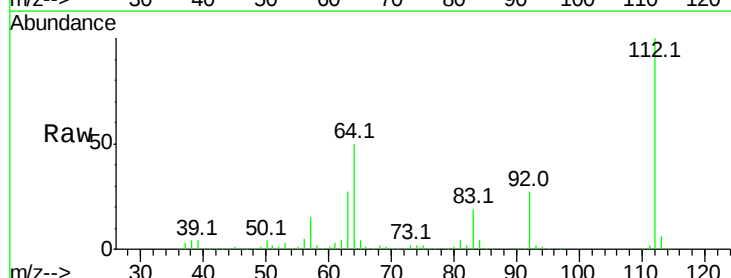
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



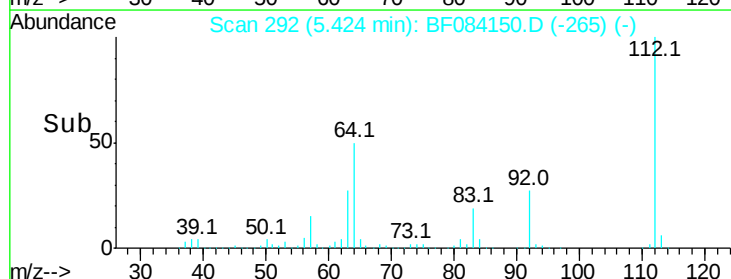
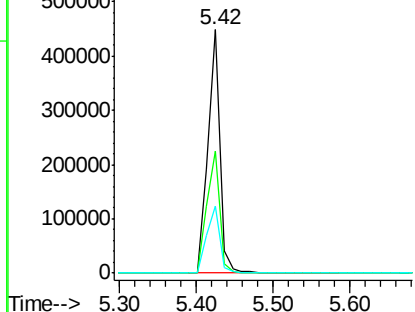
#5

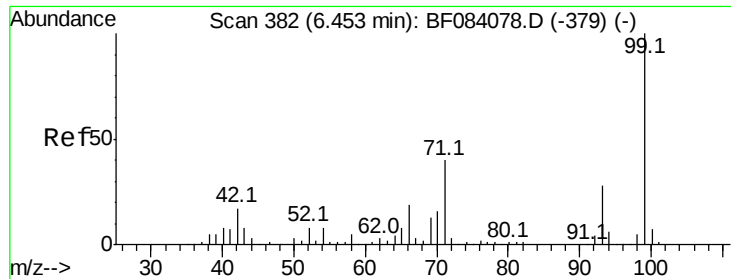
2-Fluorophenol
Concen: 141.25 ng
RT: 5.42 min Scan# 292
Delta R.T. 0.01 min
Lab File: BF084150.D
Acq: 26 Dec 2015 1:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.1	36.6	55.0
63	27.3	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: 143.98 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF084150.D

Acq: 26 Dec 2015 1:24

Instrument :

BNA_F

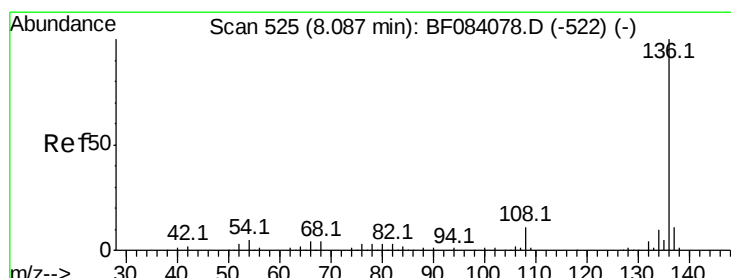
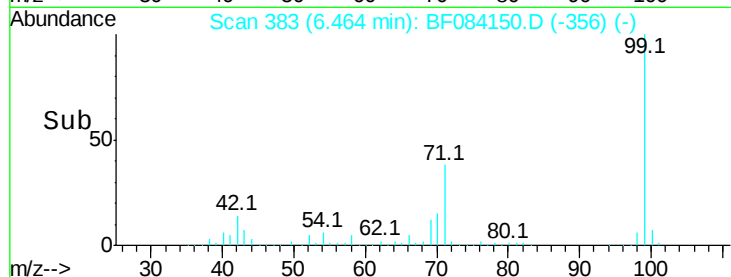
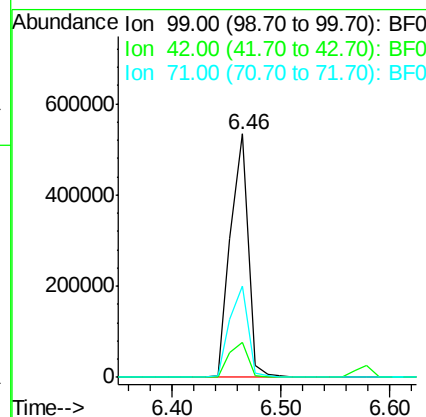
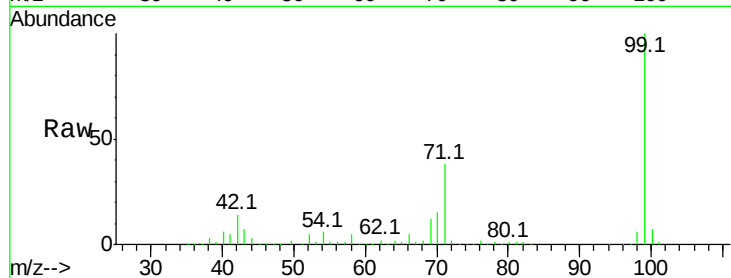
ClientSampleId :

2SP-2(0-2)7E

Tot Ion:	99	Resp:	606570
Ion Ratio	Lower	Upper	
99	100		
42	14.3	12.8	19.2
71	37.5	30.9	46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

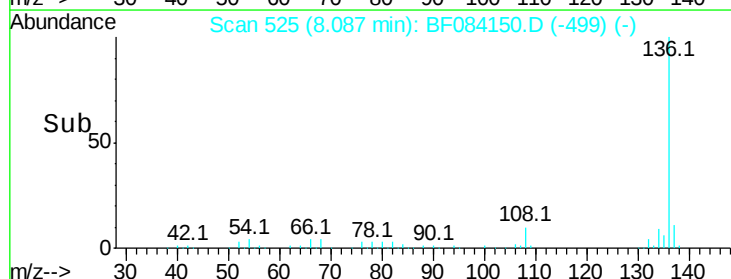
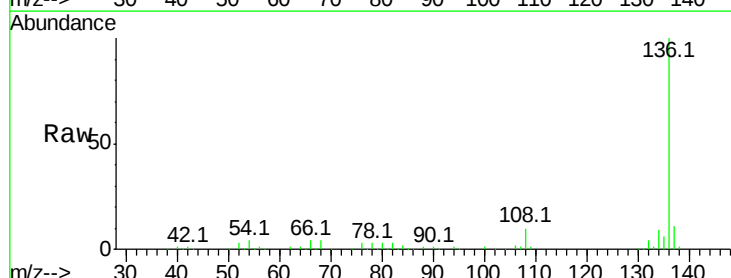
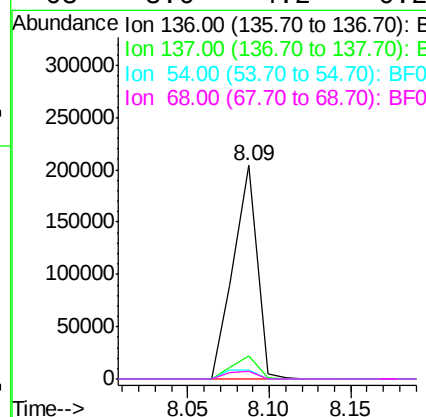
RT: 8.09 min Scan# 525

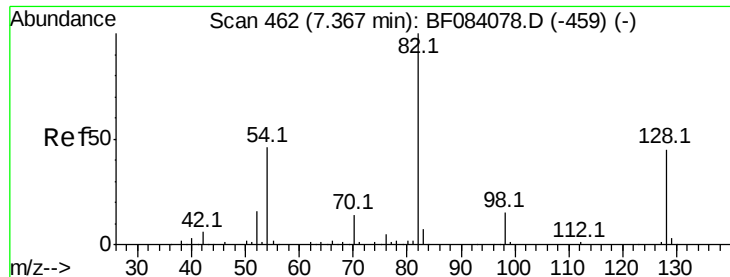
Delta R.T. 0.00 min

Lab File: BF084150.D

Acq: 26 Dec 2015 1:24

Tgt Ion:	136	Resp:	205700
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.7	13.1
54	4.2	5.8	8.8#
68	3.6	4.2	6.2#





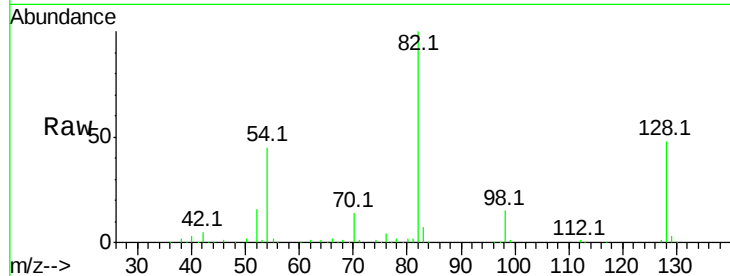
#23
 Nitrobenzene-d5
 Concen: 103.55 ng
 RT: 7.37 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: BF084150.D
 Acq: 26 Dec 2015 1:24

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

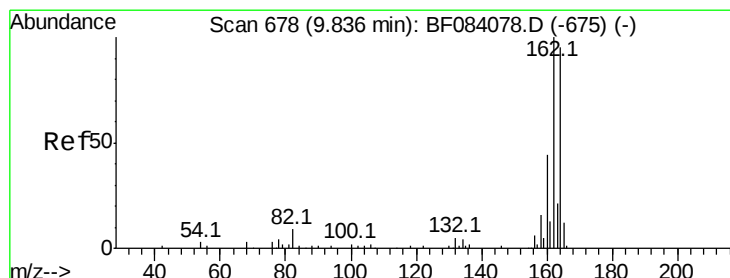
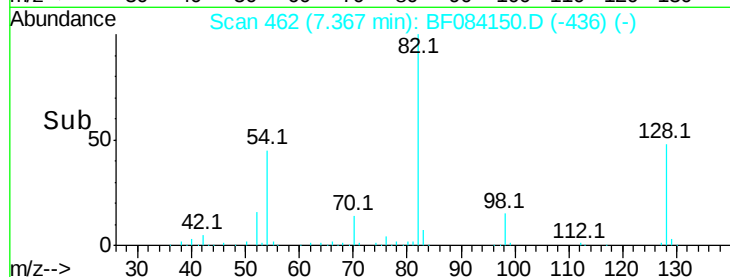
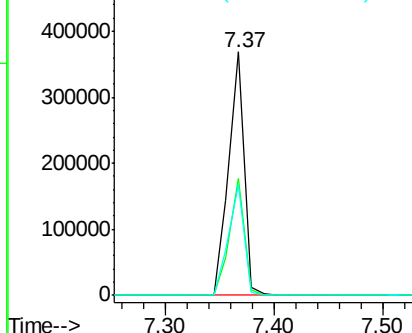
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.9	34.6	51.8	
54	45.1	38.4	57.6	

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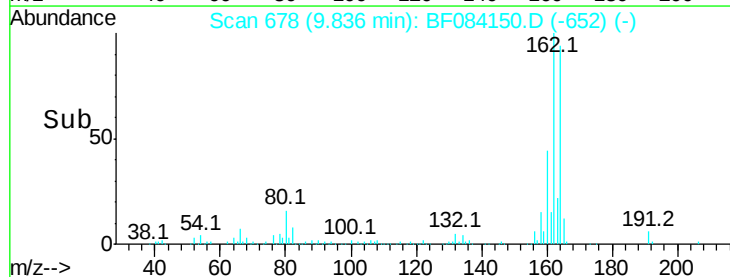
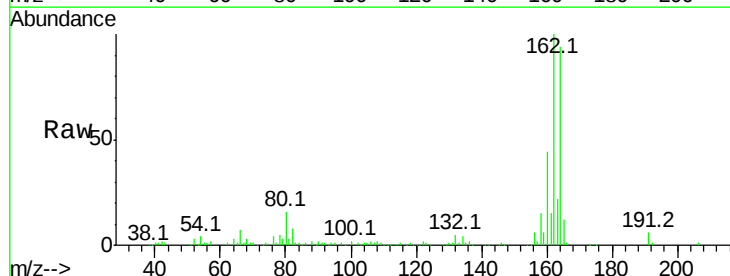
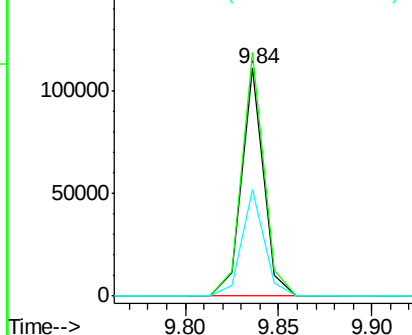
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

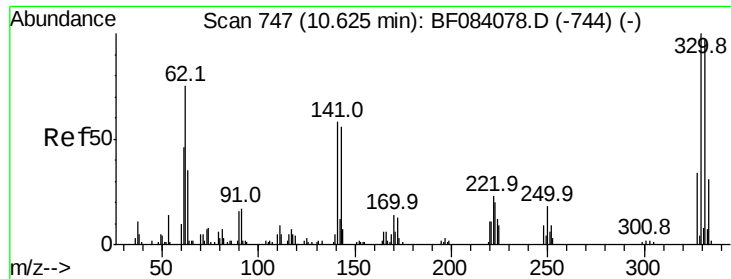


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: BF084150.D
 Acq: 26 Dec 2015 1:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.9	85.1	127.7	
160	46.7	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





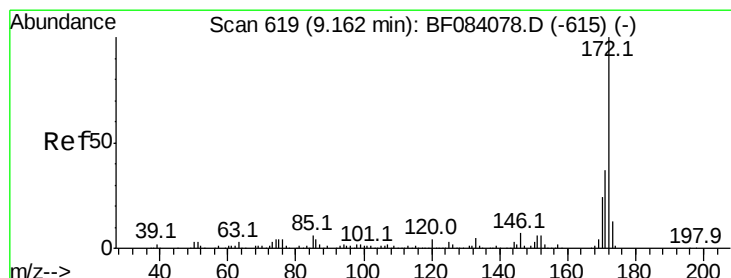
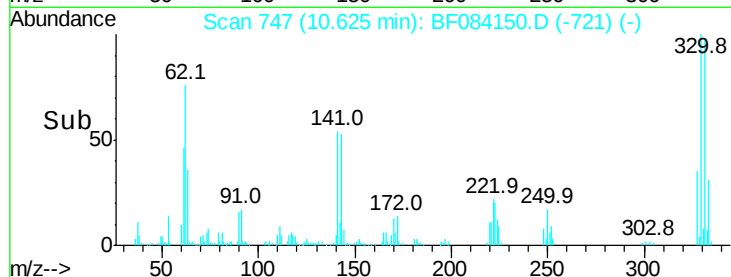
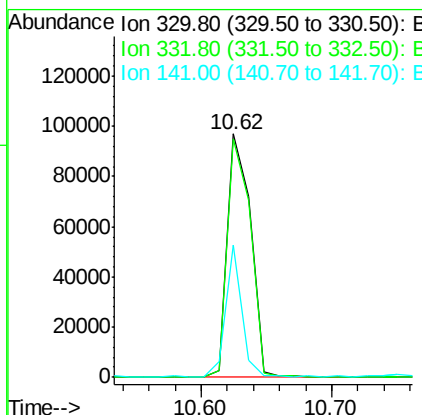
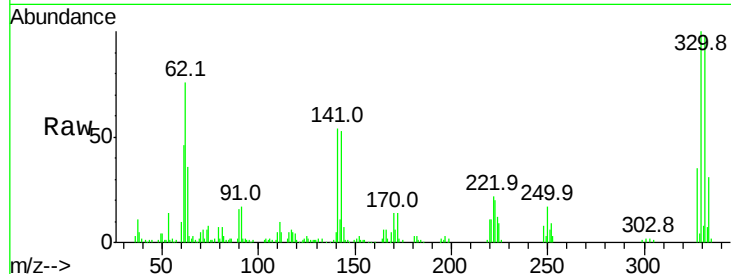
#41
 2,4,6-Tribromophenol
 Concen: 123.87 ng
 RT: 10.62 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF084150.D
 Acq: 26 Dec 2015 1:24

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	120678		
332	97.9	76.6	114.8	
141	37.5	27.8	41.6	

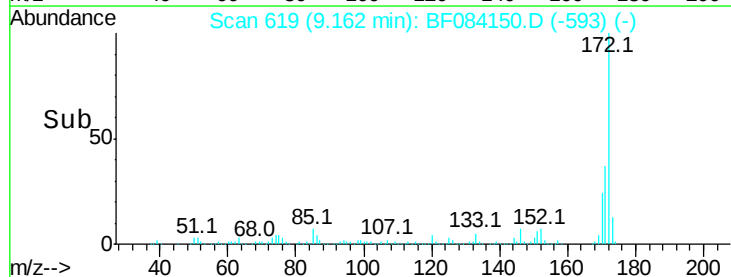
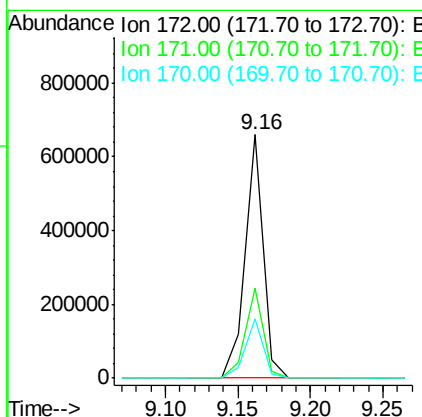
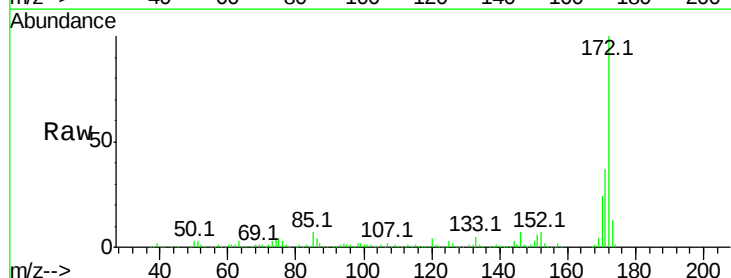
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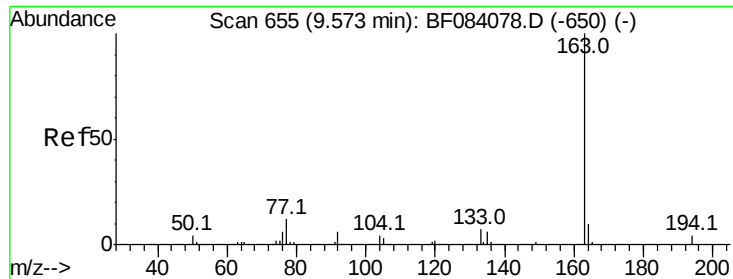
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#44
 2-Fluorobiphenyl
 Concen: 85.57 ng
 RT: 9.16 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: BF084150.D
 Acq: 26 Dec 2015 1:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	571354		
171	36.9	28.9	43.3	
170	24.3	18.6	27.8	





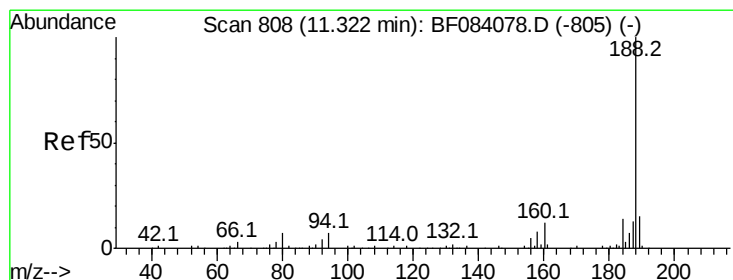
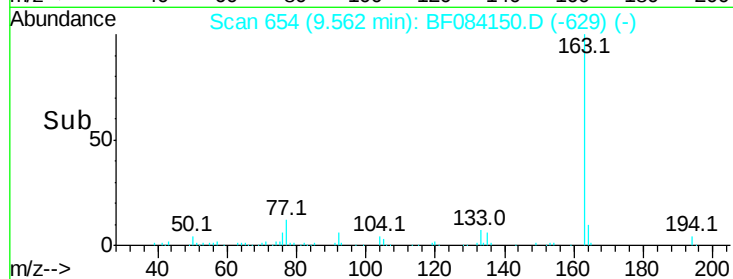
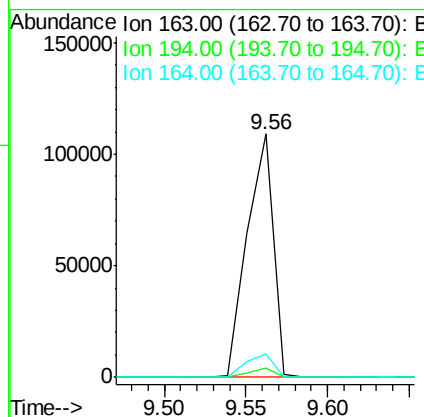
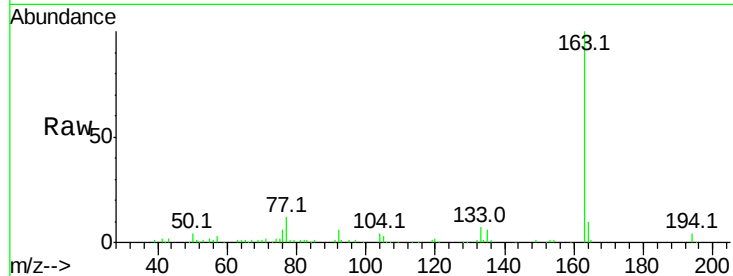
#49
Dimethylphthalate
Concen: 15.97 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF084150.D
Acq: 26 Dec 2015 1:24

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

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.6	8.0	12.0#
164	9.8	8.0	12.0

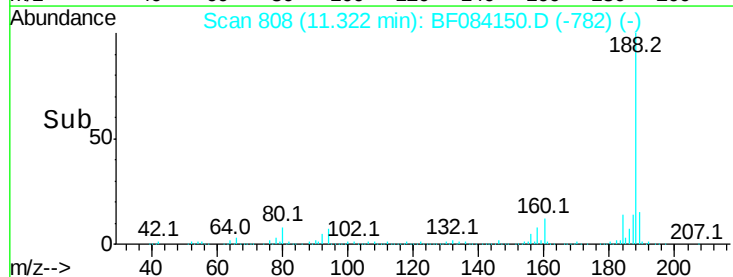
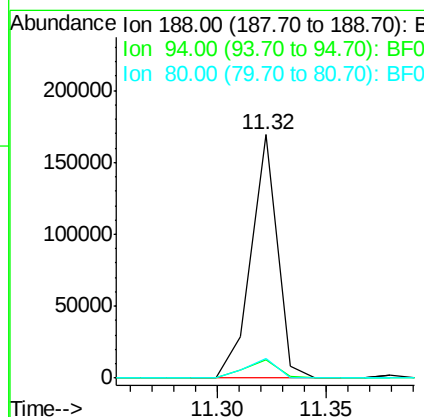
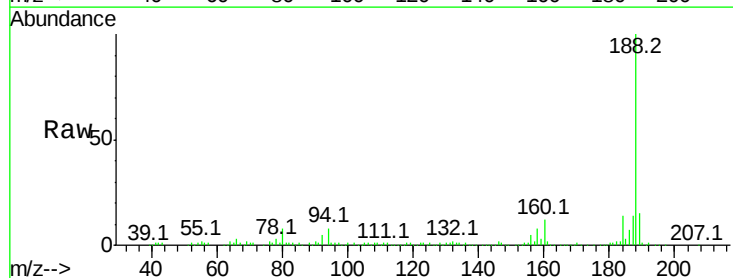
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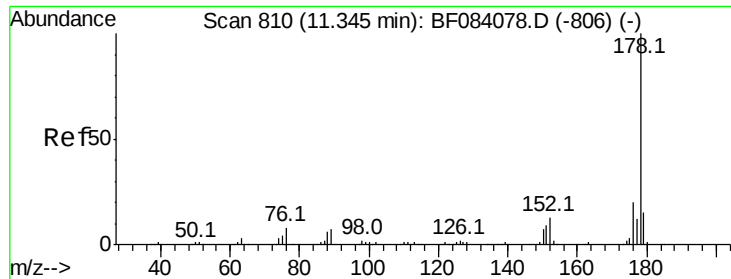
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF084150.D
Acq: 26 Dec 2015 1:24

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	7.7	9.0	13.4#
80	8.0	9.6	14.4#





#70

Phenanthrene

Concen: 11.76 ng

RT: 11.34 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF084150.D

Acq: 26 Dec 2015 1:24

Instrument :

BNA_F

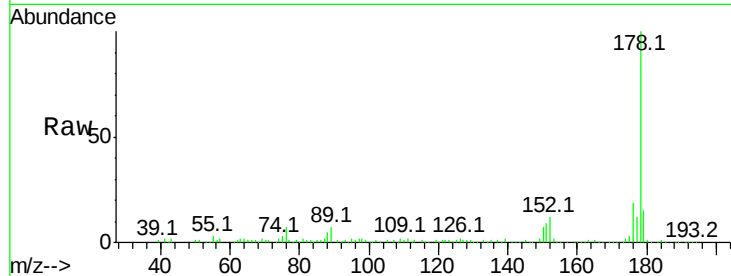
ClientSampleId :

2SP-2(0-2)7E

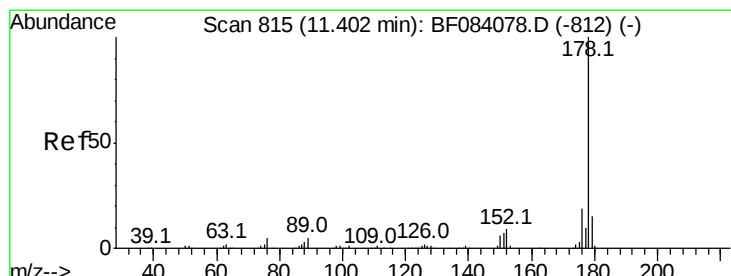
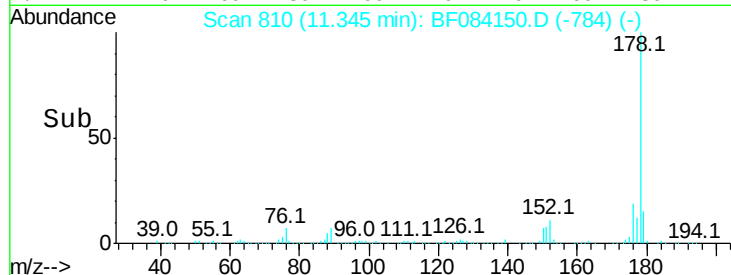
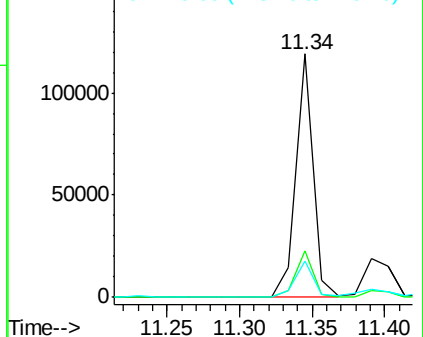
Tot Ion:178	Resp:	98850
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.3 22.9
179	15.0	12.0 18.0

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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



#71

Anthracene

Concen: 2.82 ng m

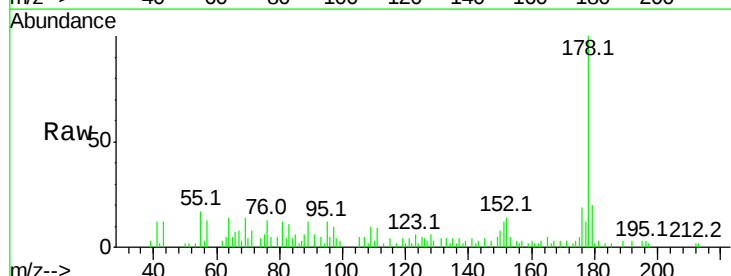
RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

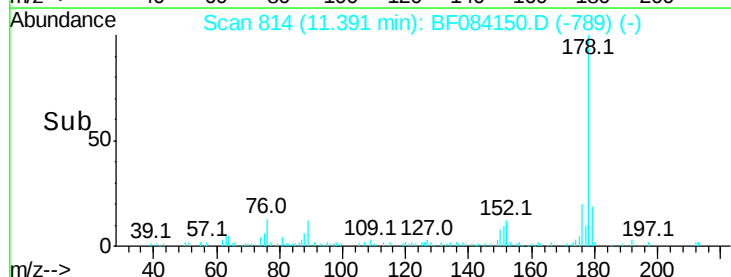
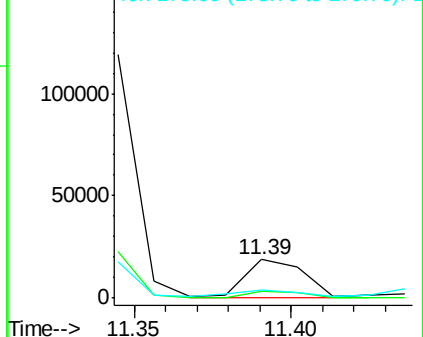
Lab File: BF084150.D

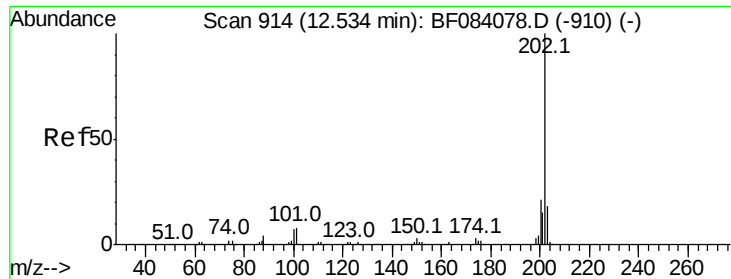
Acq: 26 Dec 2015 1:24

Tgt Ion:178	Resp:	24790
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.4 23.0
179	20.0	12.5 18.7#



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: 12.90 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF084150.D

Acq: 26 Dec 2015 1:24

Instrument :

BNA_F

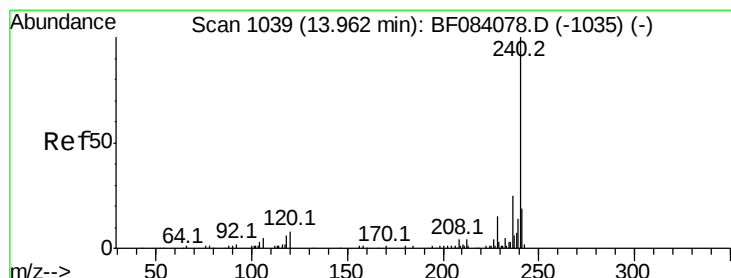
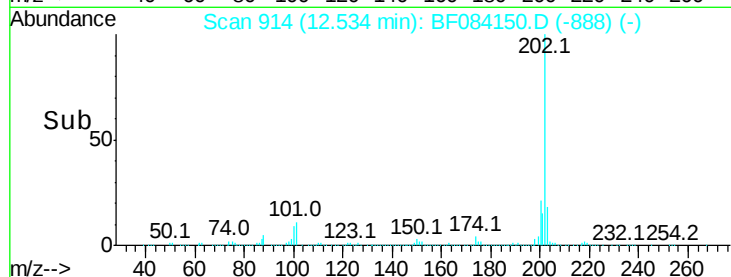
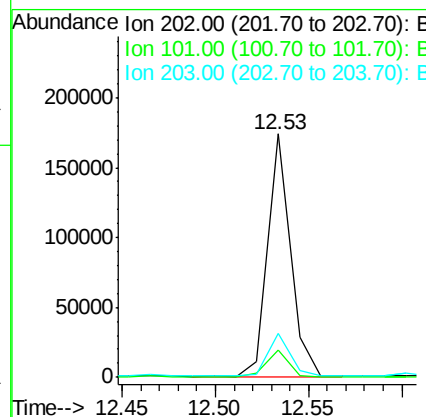
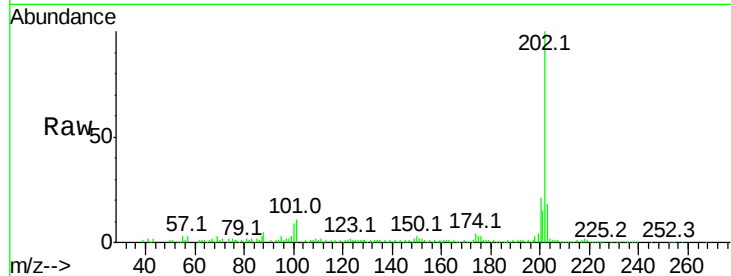
ClientSampleId :

2SP-2(0-2)7E

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.5	0.0	32.8
203	18.2	0.0	37.9

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#75

Chrysene-d12

Concen: 20.00 ng

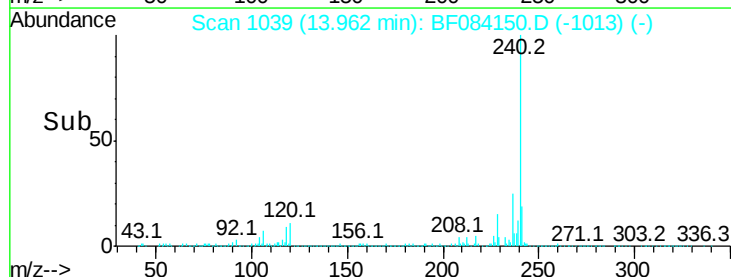
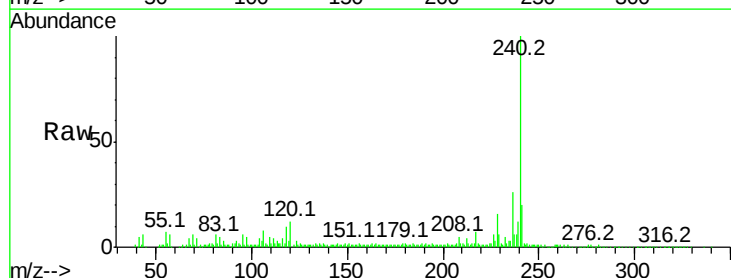
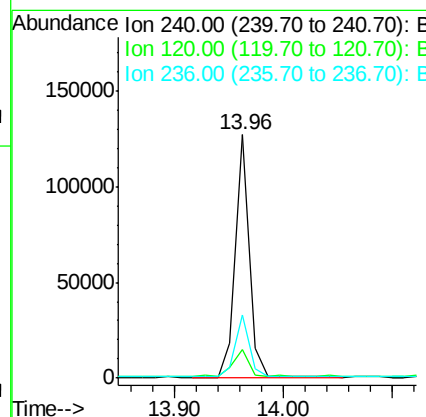
RT: 13.96 min Scan# 1039

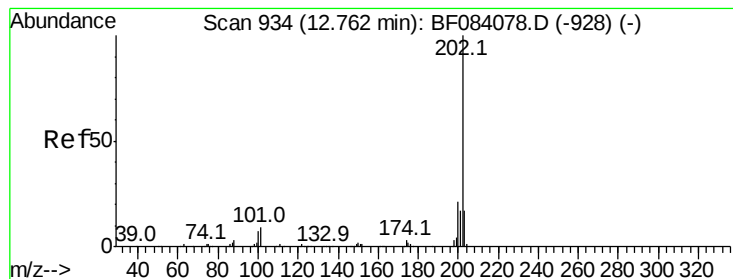
Delta R.T. 0.00 min

Lab File: BF084150.D

Acq: 26 Dec 2015 1:24

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.6	9.5	14.3
236	25.7	20.6	31.0





#77

Pvrene

Concen: 16.11 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF084150.D

Acq: 26 Dec 2015 1:24

Instrument :

BNA_F

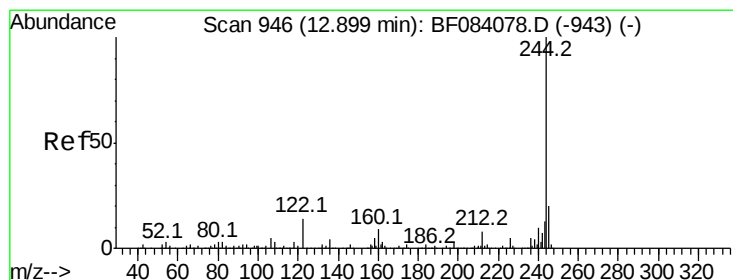
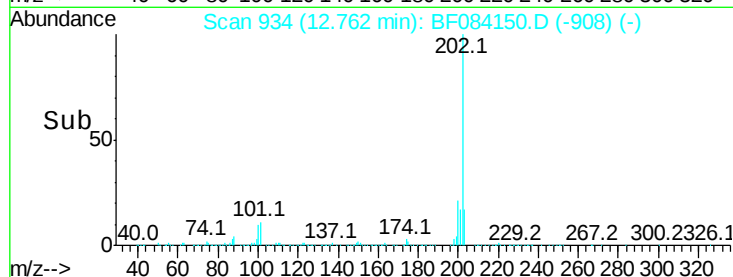
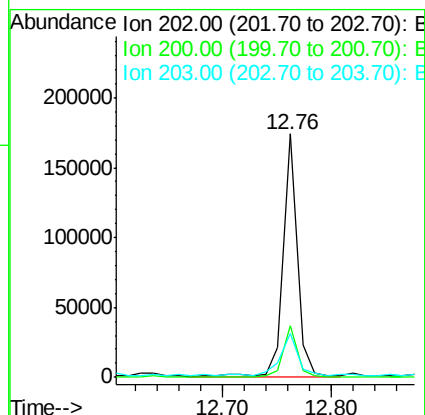
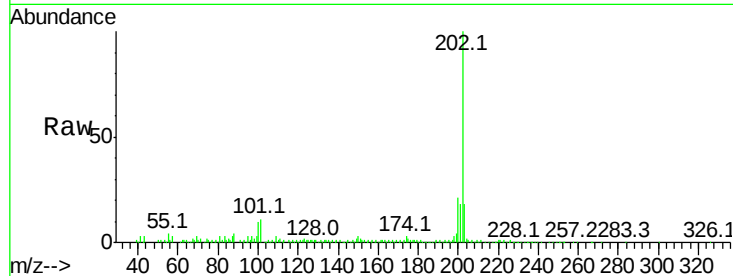
ClientSampleId :

2SP-2(0-2)7E

Tot Ion:	202	Resp:	154151
Ion Ratio		Lower	Upper
202	100		
200	21.2	17.2	25.8
203	18.3	14.3	21.5

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12/28/2015 5:58:37 PM



#78

Terphenyl-d14

Concen: 62.45 ng

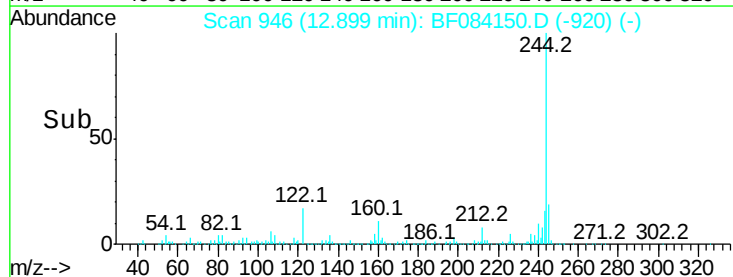
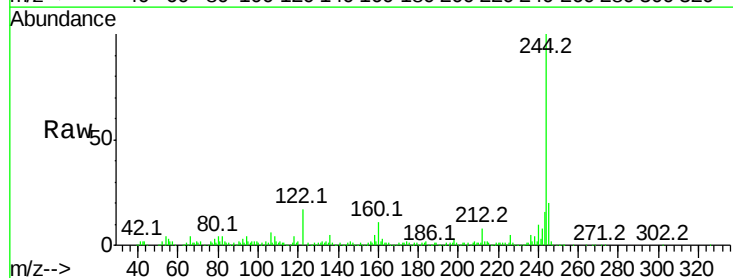
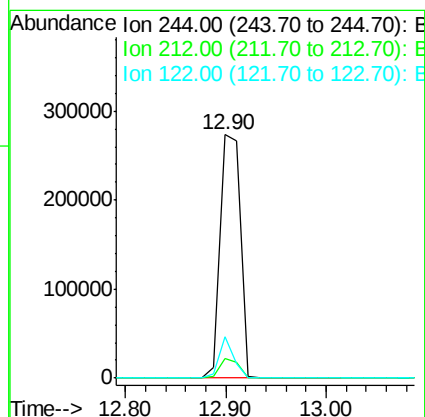
RT: 12.90 min Scan# 946

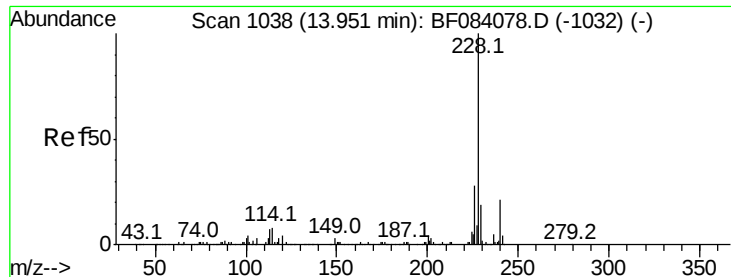
Delta R.T. 0.00 min

Lab File: BF084150.D

Acq: 26 Dec 2015 1:24

Tgt Ion:	244	Resp:	382753
Ion Ratio		Lower	Upper
244	100		
212	8.3	5.7	8.5
122	17.2	7.4	11.0#





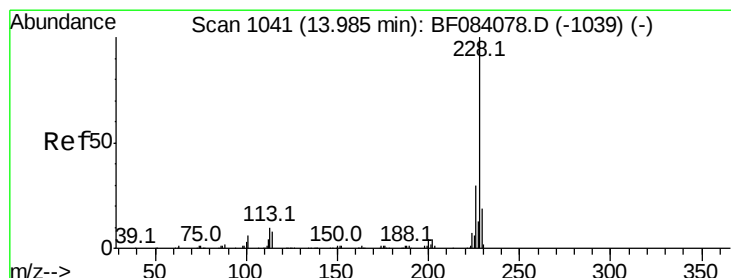
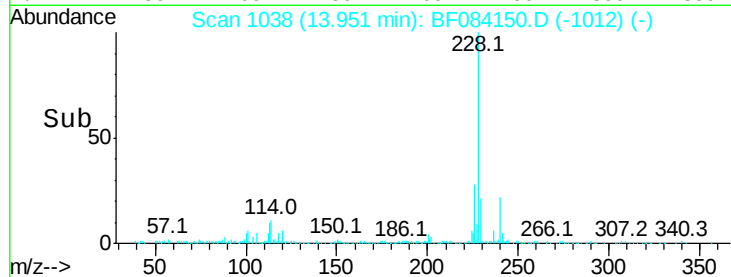
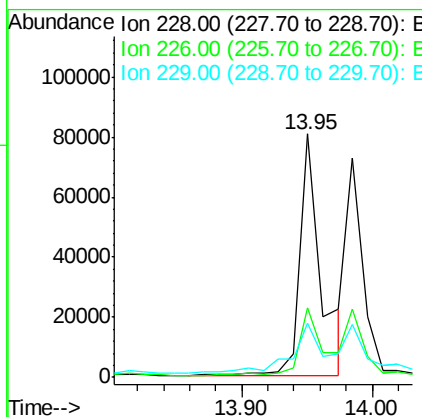
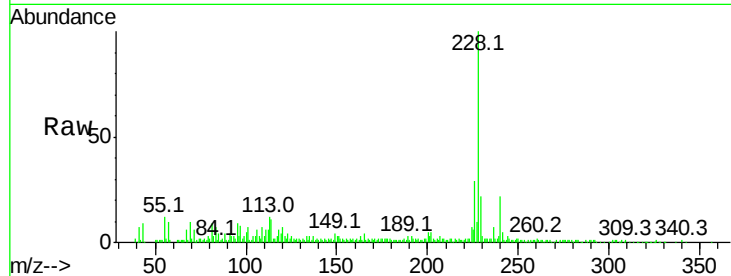
#80
Benzo(a)anthracene
Concen: 13.42 ng
RT: 13.95 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF084150.D
Acq: 26 Dec 2015 1:24

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.8	32.6
229	22.2	15.8	23.8

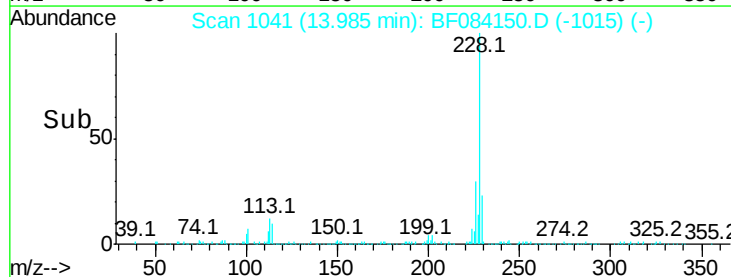
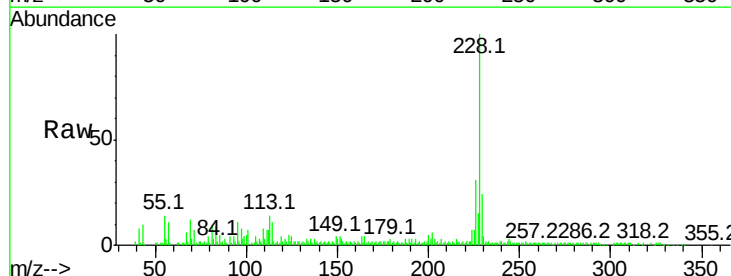
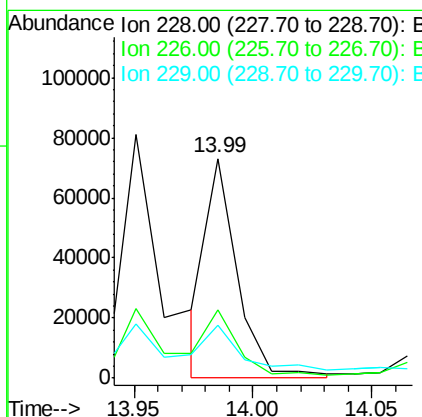
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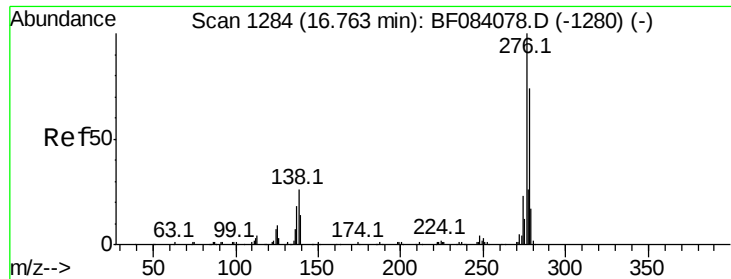
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#82
Chrysene
Concen: 10.77 ng m
RT: 13.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF084150.D
Acq: 26 Dec 2015 1:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.3	36.5
229	24.3	16.1	24.1#





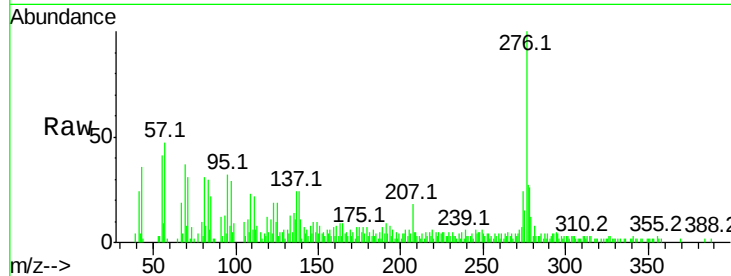
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.58 ng
RT: 16.80 min Scan# 1287
Delta R.T. 0.03 min
Lab File: BF084150.D
Acq: 26 Dec 2015 1:24

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

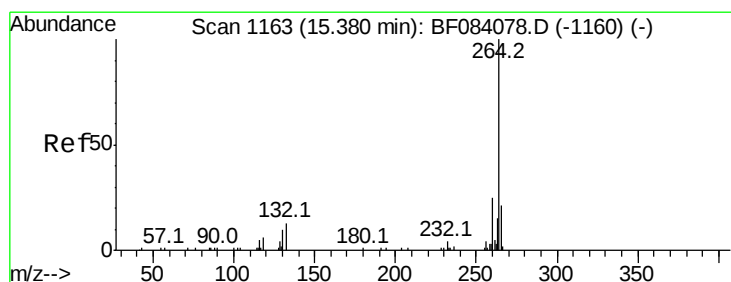
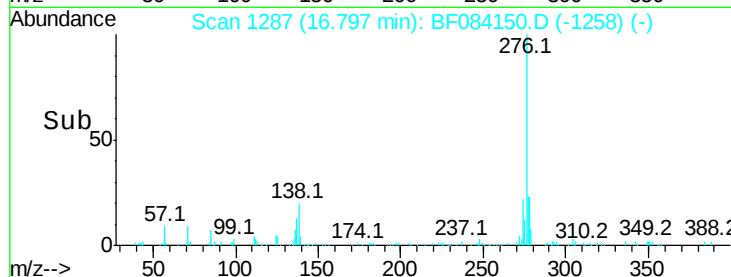
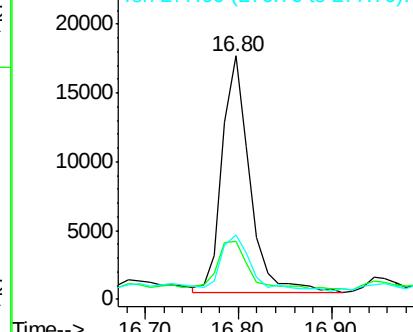
Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	24.7	20.6	30.8	
277	26.4	20.1	30.1	

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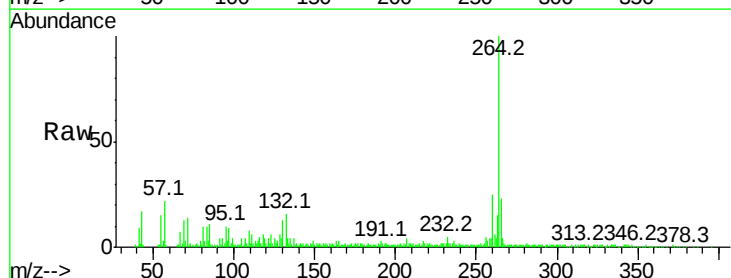


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

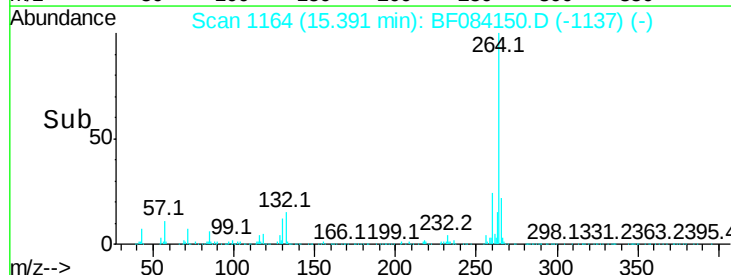
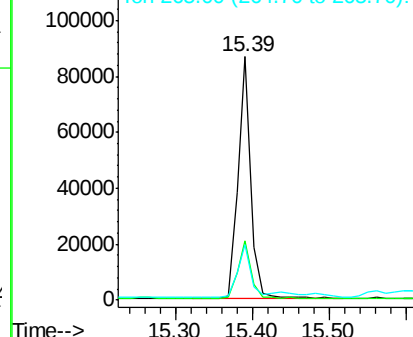


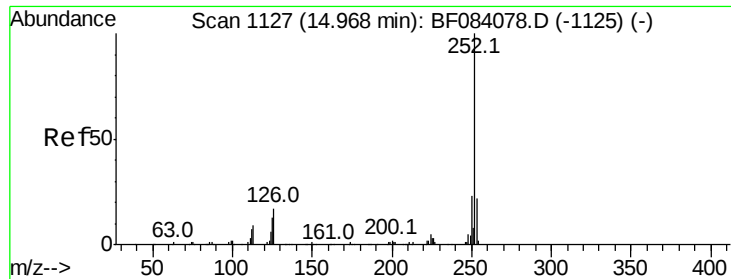
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. 0.01 min
Lab File: BF084150.D
Acq: 26 Dec 2015 1:24

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.5	19.4	29.2	
265	22.6	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: 12.85 ng m

RT: 14.98 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BF084150.D

Acq: 26 Dec 2015 1:24

Instrument :

BNA_F

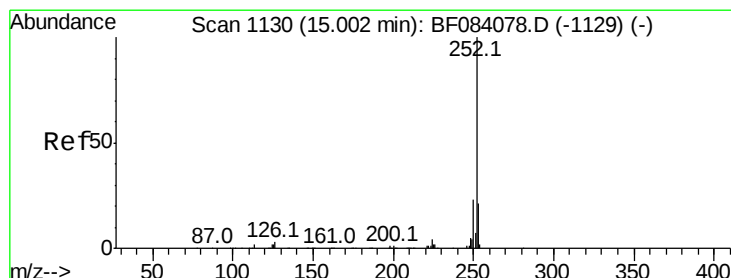
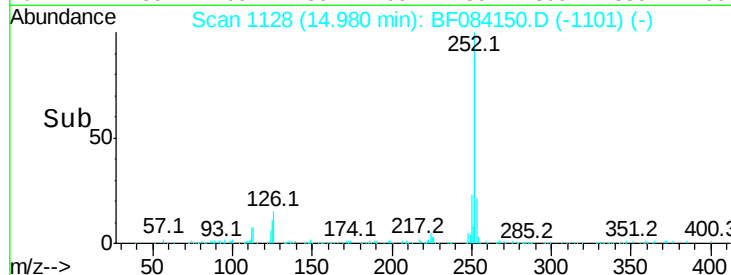
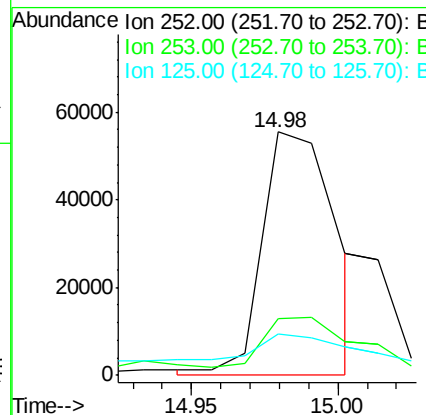
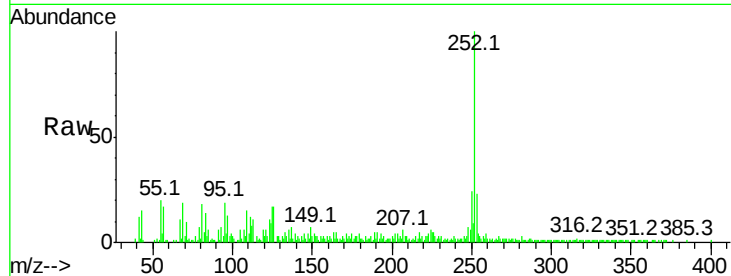
ClientSampleId :

2SP-2(0-2)7E

Tot Ion:	252	Resp:	97828
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.3	25.9
125	16.9	6.5	9.7#

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#88

Benzo(k)fluoranthene

Concen: 4.27 ng m

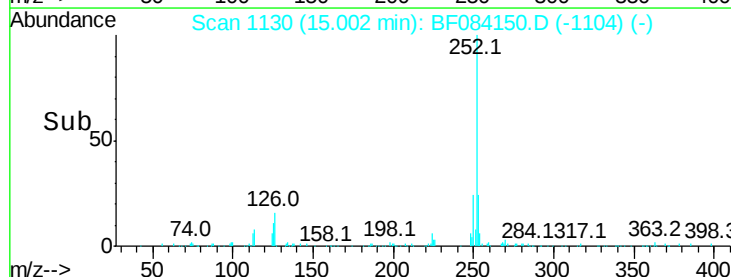
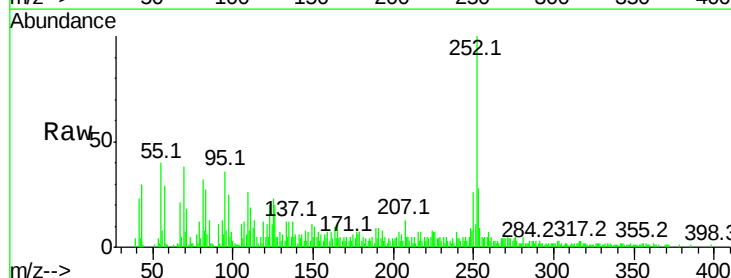
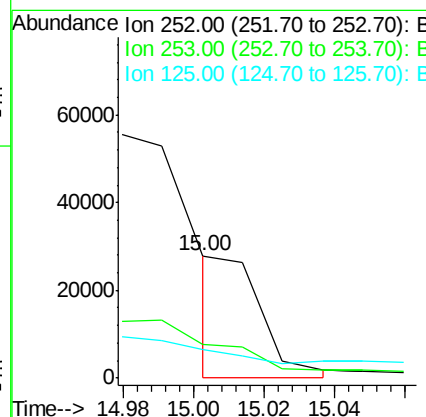
RT: 15.00 min Scan# 1130

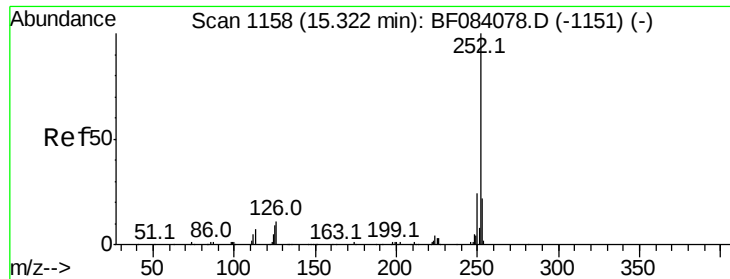
Delta R.T. 0.00 min

Lab File: BF084150.D

Acq: 26 Dec 2015 1:24

Tgt Ion:	252	Resp:	22059
Ion Ratio	Lower	Upper	
252	100		
253	27.8	18.1	27.1#
125	23.2	9.0	13.6#





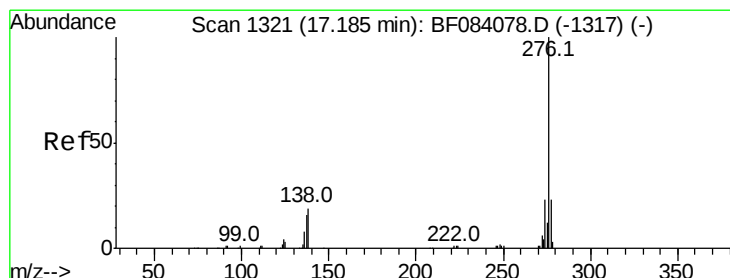
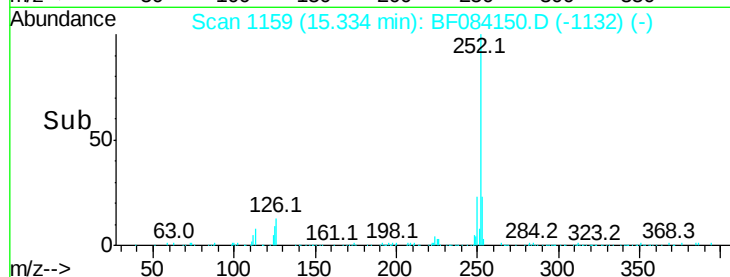
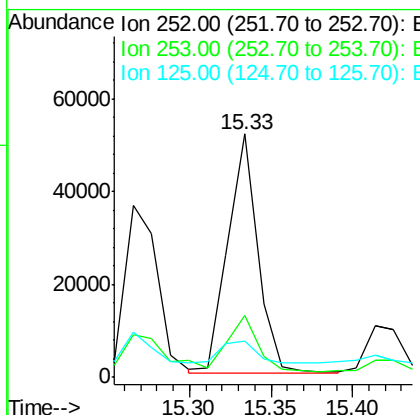
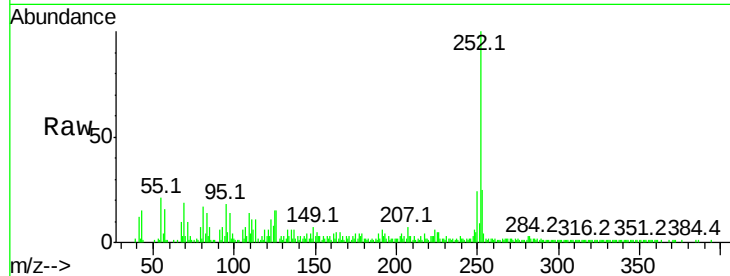
#89
Benzo(a)pyrene
Concen: 10.45 ng
RT: 15.33 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF084150.D
Acq: 26 Dec 2015 1:24

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

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.5	17.3	25.9
125	15.0	7.0	10.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.96 ng
RT: 17.22 min Scan# 1324
Delta R.T. 0.03 min
Lab File: BF084150.D
Acq: 26 Dec 2015 1:24

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	28.5	18.8	28.2
138	25.1	17.8	26.6

