

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098551.D
 Acq On : 15 Sep 2017 2:08
 Operator : SJ/JU
 Sample : I5222-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Manual Integrations
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Sohil

9/15/2017 5:44:29 PM

Quant Time: Sep 15 07:16:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	128428	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	520881	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	221502	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	346261	20.00	ng	-0.02
75) Chrysene-d12	13.79	240	281648	20.00	ng	-0.02
86) Perylene-d12	15.19	264	287438	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	528123	60.80	ng	-0.02
7) Phenol-d6	6.30	99	657664	59.63	ng	-0.02
23) Nitrobenzene-d5	7.22	82	384159	41.12	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	95888	64.86	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	647540	49.55	ng	-0.03
78) Terphenyl-d14	12.75	244	424391	32.52	ng	-0.02
Target Compounds						
10) Phenol	6.31	94	26812	2.093	ng	Qvalue 91
70) Phenanthrene	11.19	178	126473	6.890	ng	98
74) Fluoranthene	12.37	202	191906	10.443	ng	98
77) Pyrene	12.60	202	178533	8.035	ng	97
80) Benzo(a)anthracene	13.79	228	83243	5.041	ng	99
82) Chrysene	13.82	228	81857	4.904	ng	97
83) Bis(2-ethylhexyl)phthalate	13.78	149	40852	3.377	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.53	276	31235	2.667	ng	94
87) Benzo(b)fluoranthene	14.80	252	99038m	5.480	ng	
88) Benzo(k)fluoranthene	14.82	252	35525m	2.105	ng	
89) Benzo(a)pyrene	15.14	252	68160	4.233	ng	97
91) Benzo(a,h,i)perylene	16.93	276	30332	2.575	ng	94

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

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091417\
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Acq On : 15 Sep 2017 2:08
Operator : SJ/JU
Sample : I5222-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

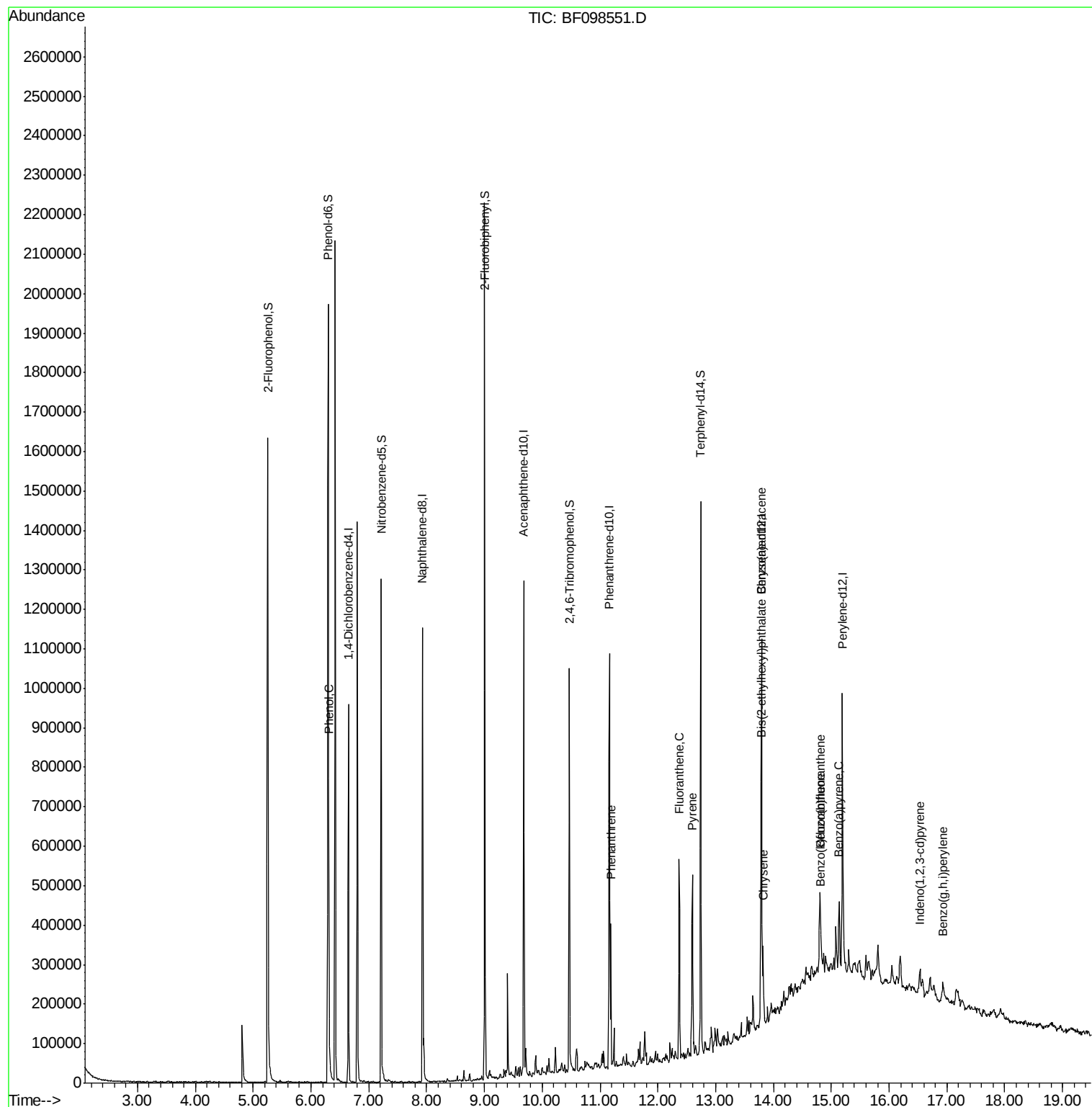
Instrument :
BNA_F
ClientSampleId :
SP-1

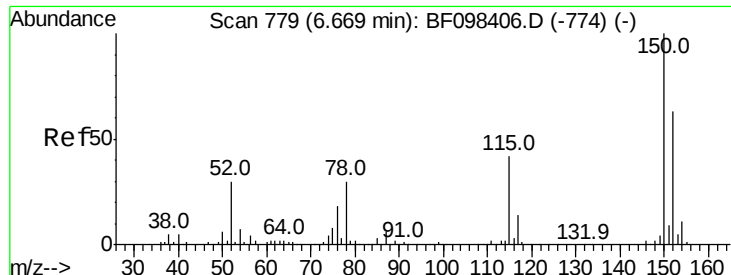
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Quant Time: Sep 15 07:16:55 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 02:14:50 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF098551.D
Acq: 15 Sep 2017 2:08

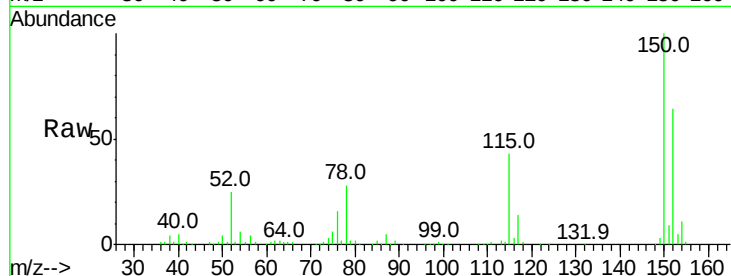
Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.2	189.2
115	67.5	52.2	78.2

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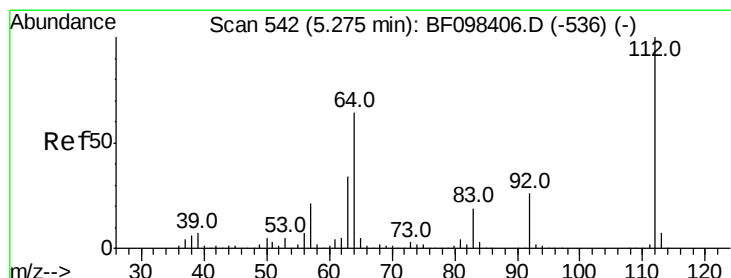
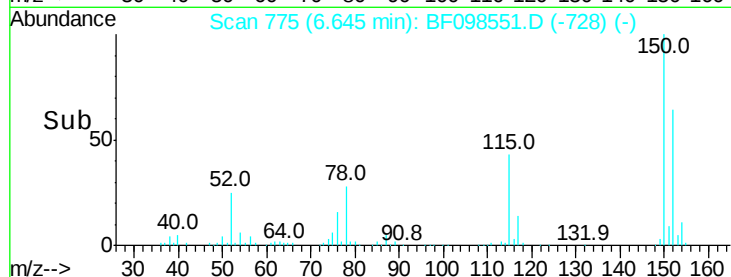
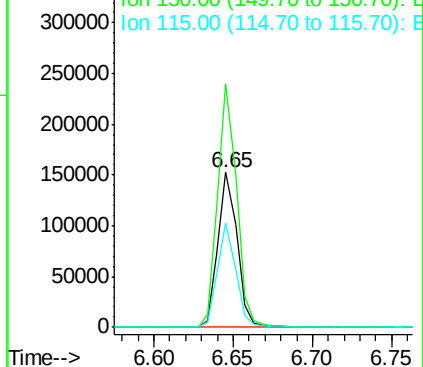


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

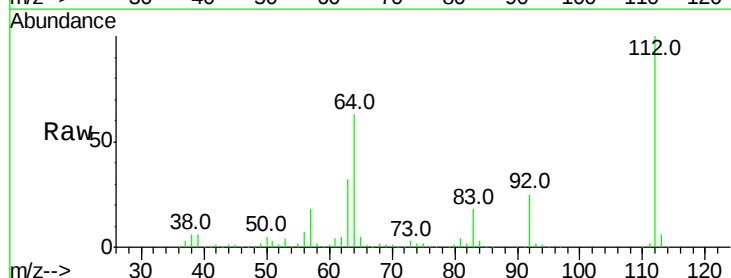
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 60.800 ng
RT: 5.25 min Scan# 538
Delta R.T. -0.02 min
Lab File: BF098551.D
Acq: 15 Sep 2017 2:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	46.0	69.0
63	32.0	23.4	35.0

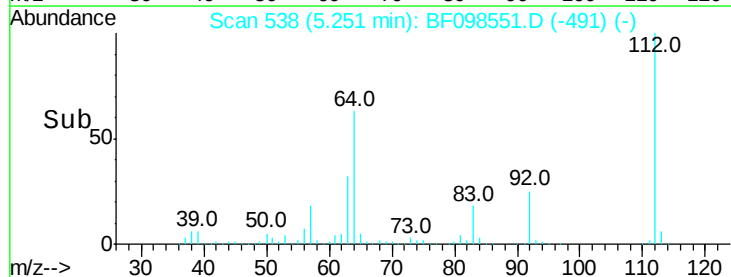
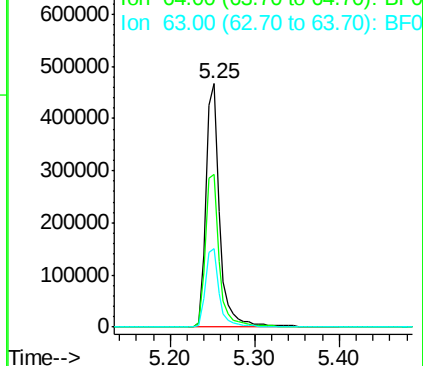


Abundance

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: 59.633 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF098551.D

Acq: 15 Sep 2017 2:08

Instrument :

BNA_F

ClientSampled :

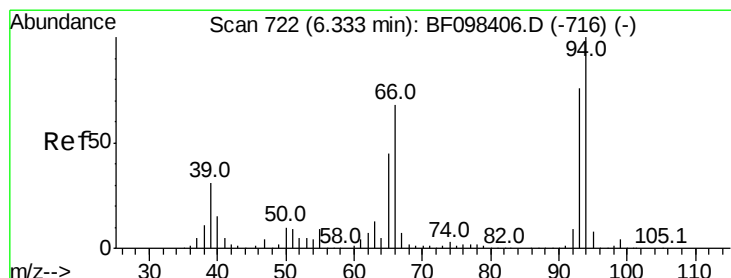
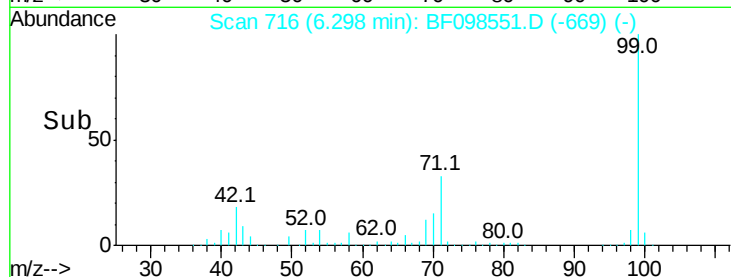
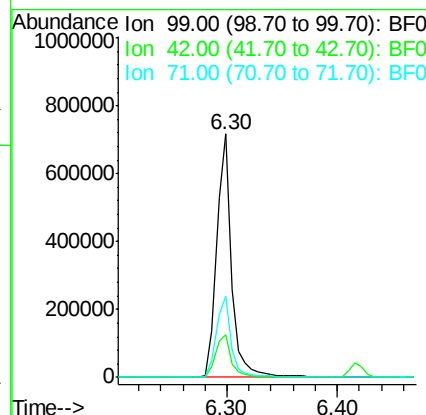
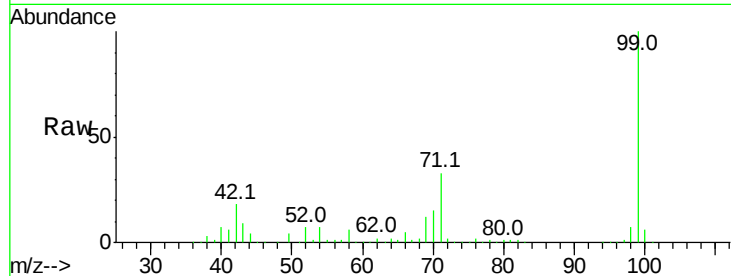
SP-1

Tot Ion:	99	Resp:	657664
Ion Ratio	Lower	Upper	
99	100		
42	17.7	13.5	20.3
71	33.4	24.5	36.7

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#10

Phenol

Concen: 2.093 ng

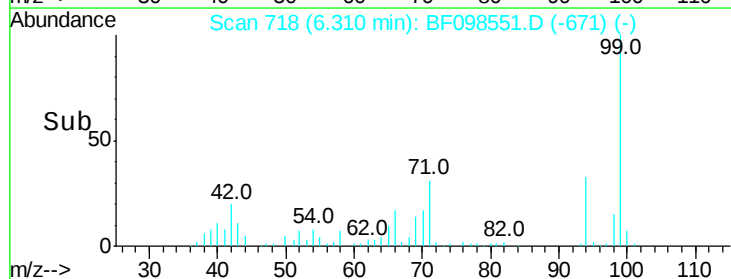
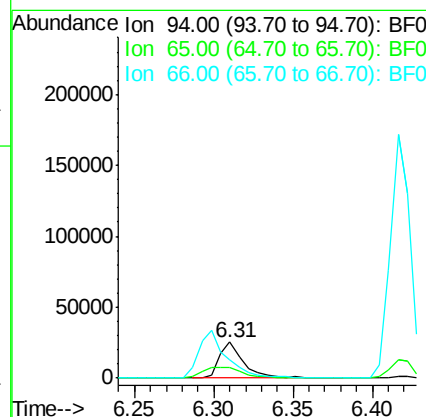
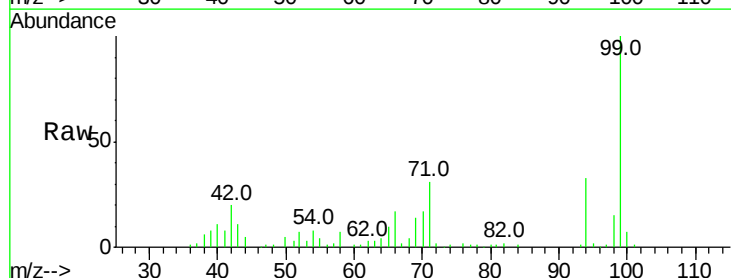
RT: 6.31 min Scan# 718

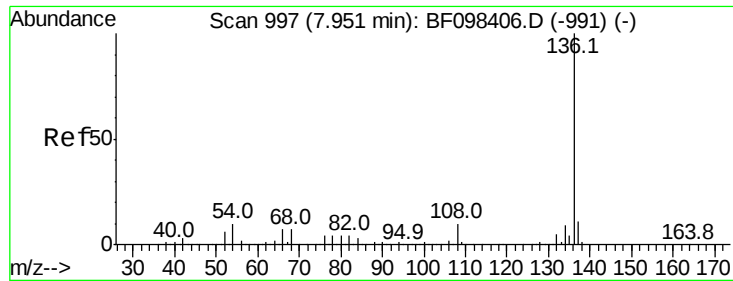
Delta R.T. -0.02 min

Lab File: BF098551.D

Acq: 15 Sep 2017 2:08

Tgt Ion:	94	Resp:	26812
Ion Ratio	Lower	Upper	
94	100		
65	29.6	9.9	49.9
66	52.5	23.1	63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF098551.D

Acq: 15 Sep 2017 2:08

Instrument :

BNA_F

ClientSampleId :

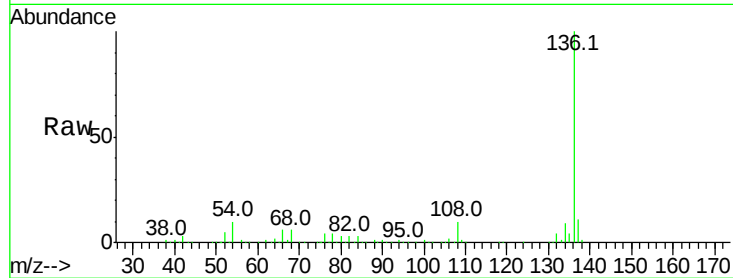
SP-1

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.1	4.9	7.3#
68	6.4	4.1	6.1#

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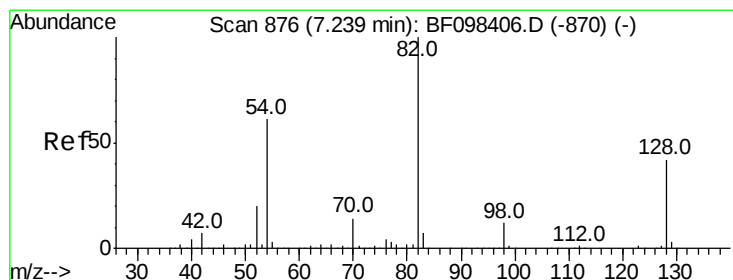
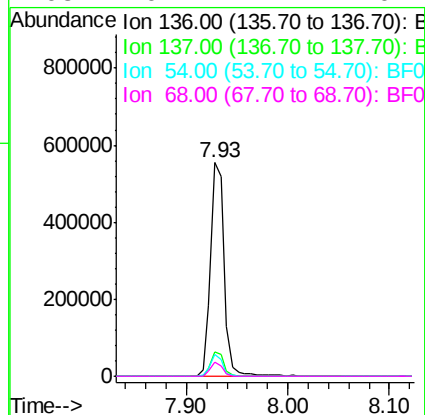
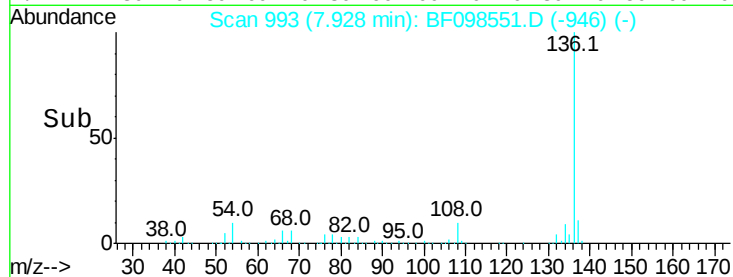


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 41.116 ng

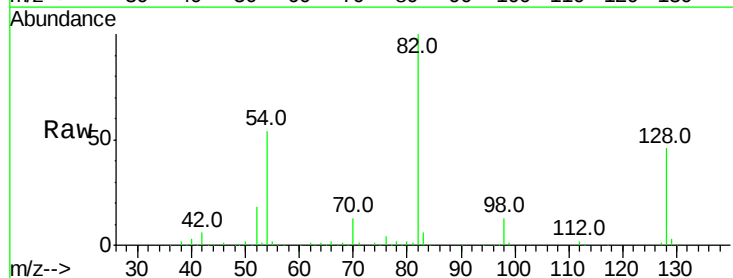
RT: 7.22 min Scan# 872

Delta R.T. -0.02 min

Lab File: BF098551.D

Acq: 15 Sep 2017 2:08

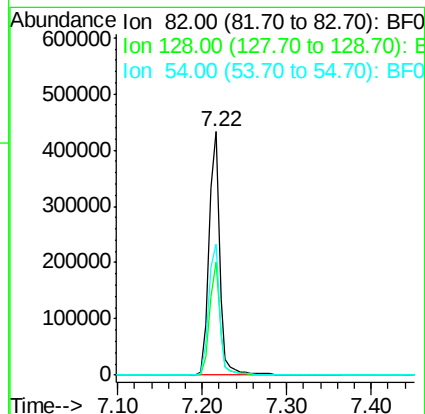
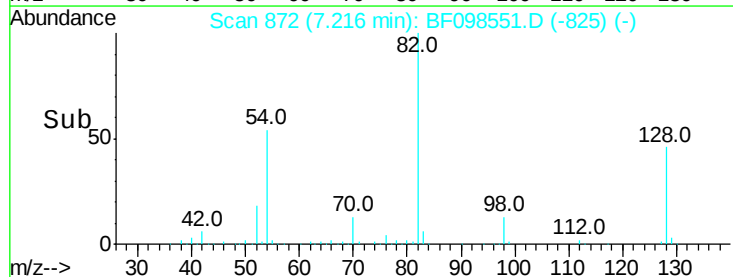
Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.3	34.0	51.0
54	53.7	42.2	63.2

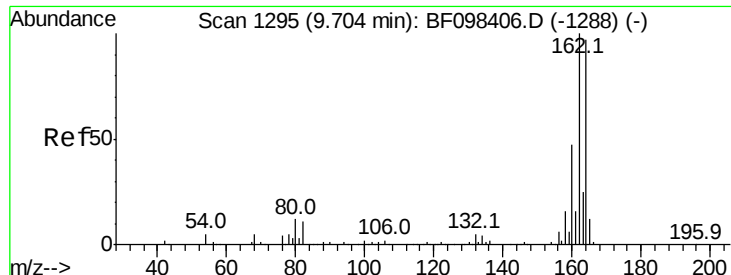


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF098551.D
 Acq: 15 Sep 2017 2:08

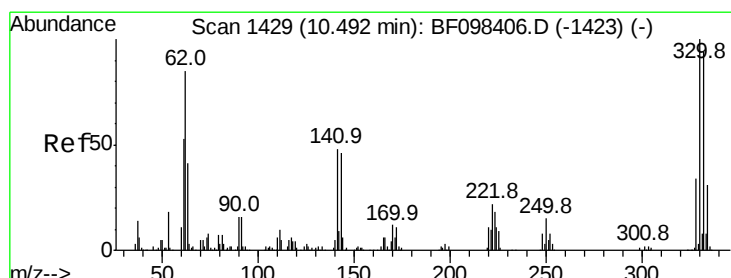
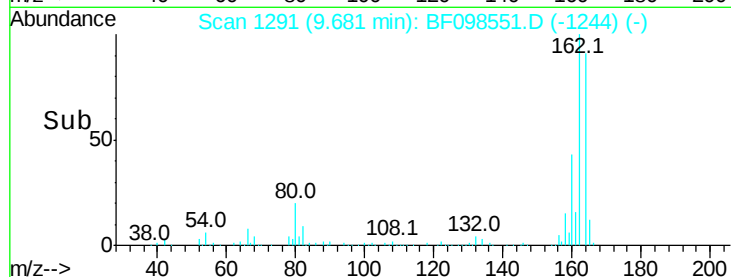
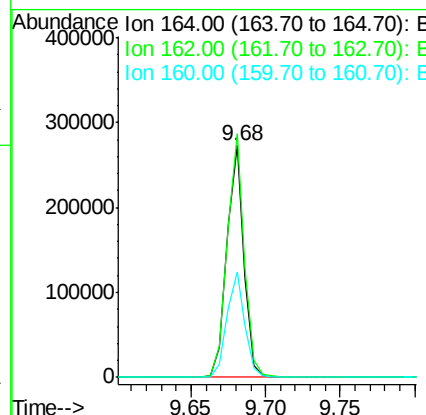
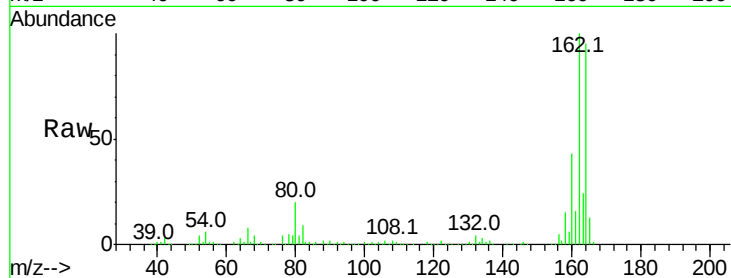
Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	221502		
162	104.9	82.6	123.8	
160	45.4	36.2	54.2	

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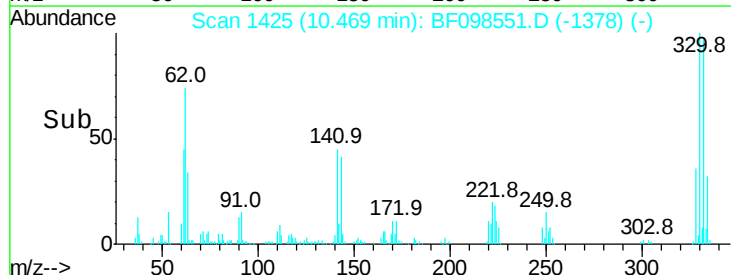
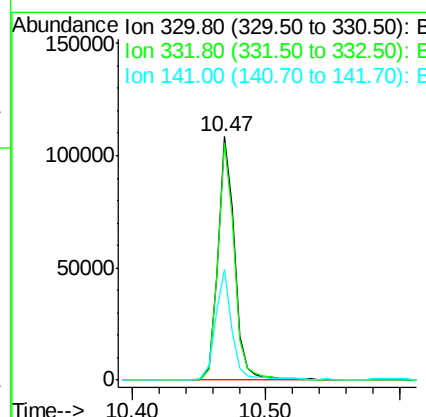
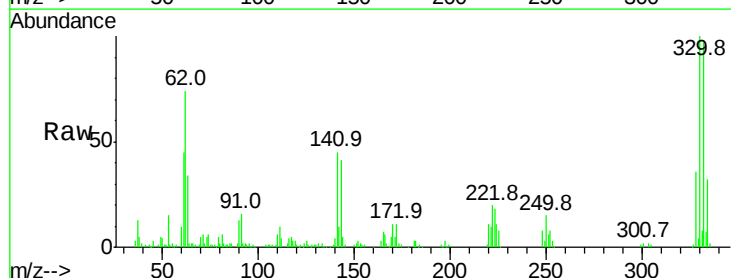
Sohil

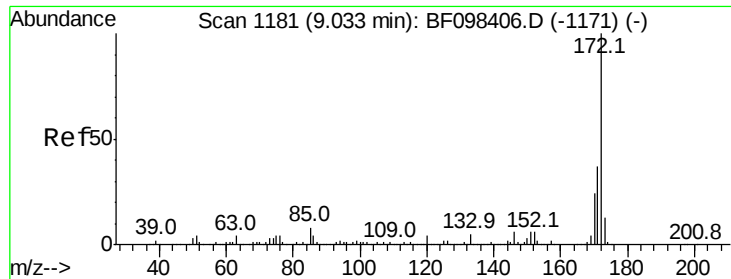
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#41
 2,4,6-Tribromophenol
 Concen: 64.862 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.02 min
 Lab File: BF098551.D
 Acq: 15 Sep 2017 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	95888		
332	96.5	76.6	115.0	
141	45.5	31.4	47.2	





#44

2-Fluorobiphenyl

Concen: 49.549 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.03 min

Lab File: BF098551.D

Acq: 15 Sep 2017 2:08

Instrument :

BNA_F

ClientSampled :

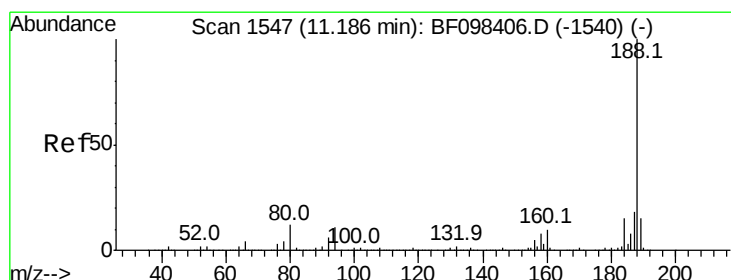
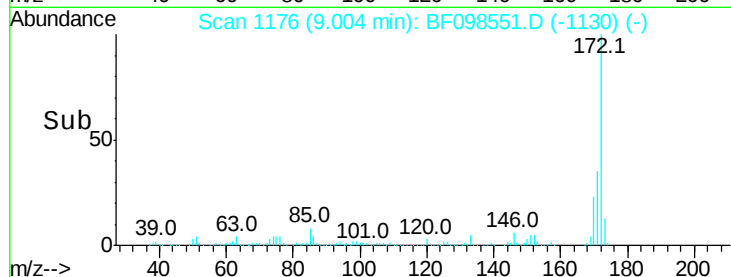
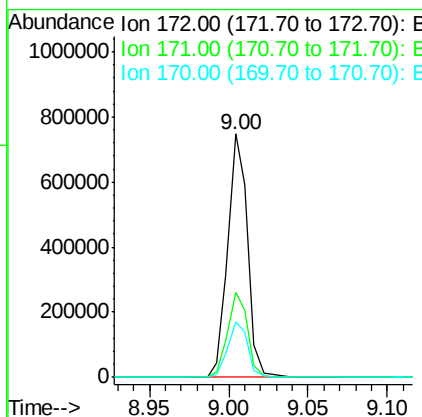
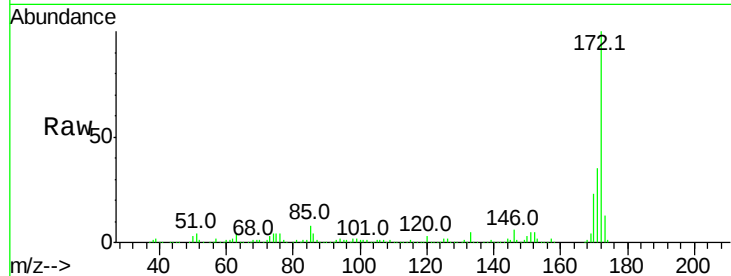
SP-1

Tot Ion:	172	Resp:	647540
Ion Ratio	Lower	Upper	
172	100		
171	34.9	29.6	44.4
170	22.7	19.8	29.8

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#63

Phenanthrene-d10

Concen: 20.000 ng

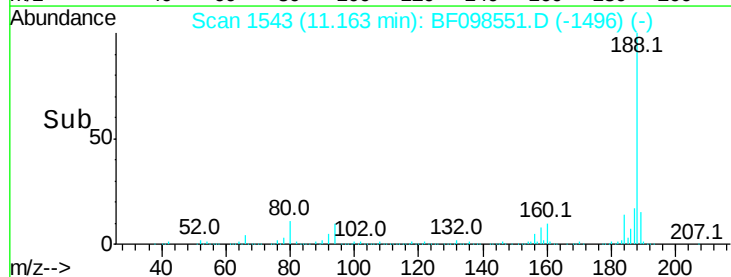
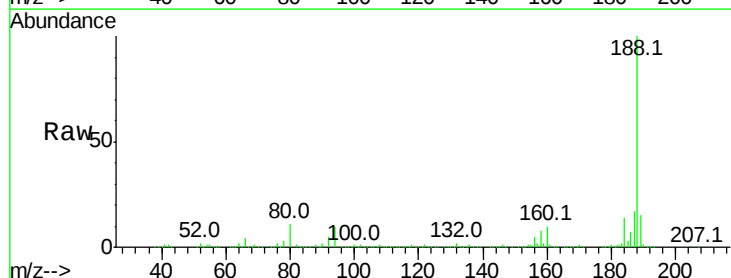
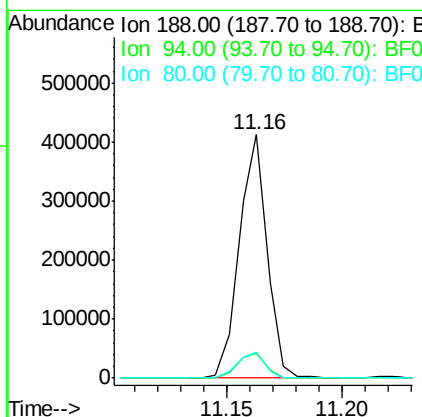
RT: 11.16 min Scan# 1543

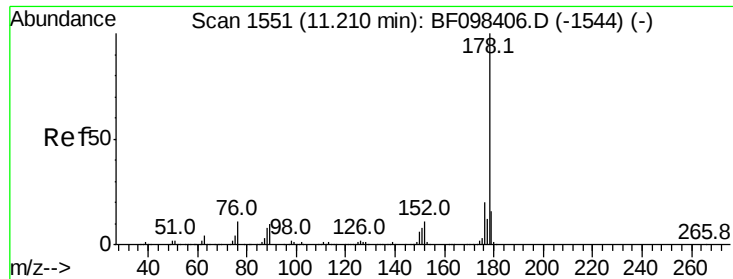
Delta R.T. -0.02 min

Lab File: BF098551.D

Acq: 15 Sep 2017 2:08

Tgt Ion:	188	Resp:	346261
Ion Ratio	Lower	Upper	
188	100		
94	10.3	9.4	14.2
80	10.5	10.2	15.2





#70

Phenanthrene

Concen: 6.890 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF098551.D

Acq: 15 Sep 2017 2:08

Instrument :

BNA_F

ClientSampled :

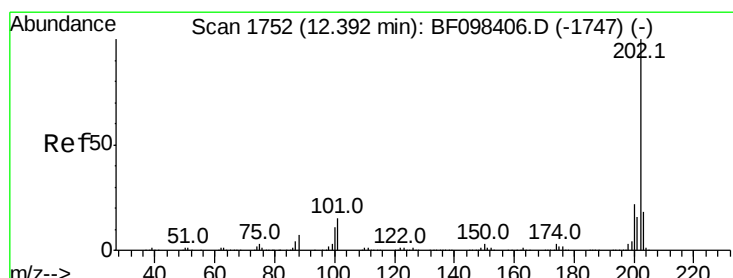
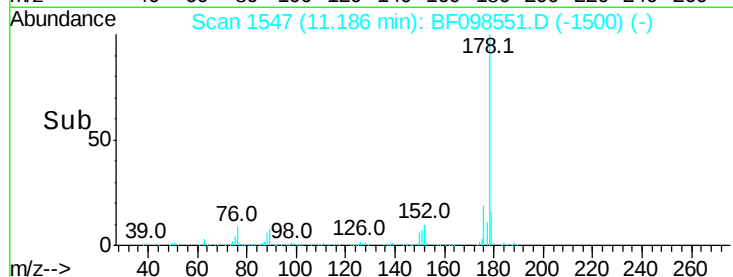
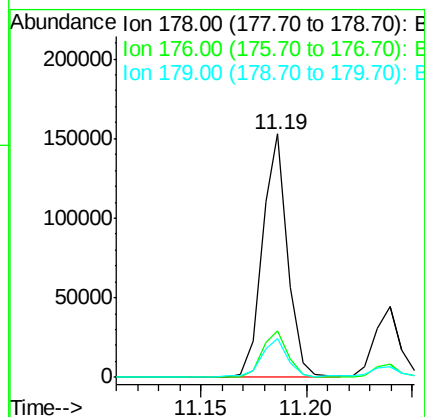
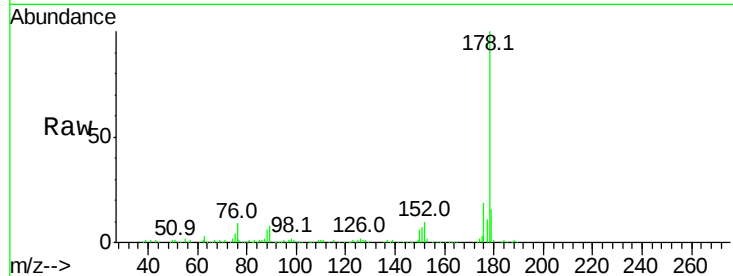
SP-1

Tot Ion:	178	Resp:	126473
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.2	24.4
179	15.9	12.6	19.0

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#74

Fluoranthene

Concen: 10.443 ng

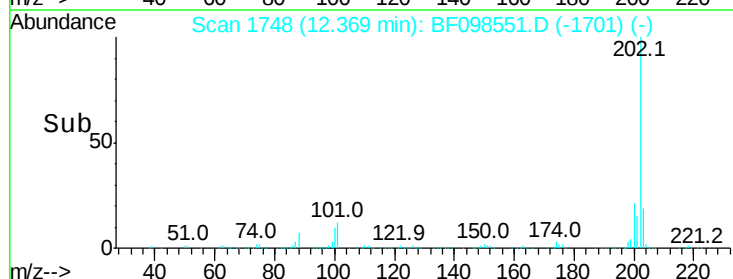
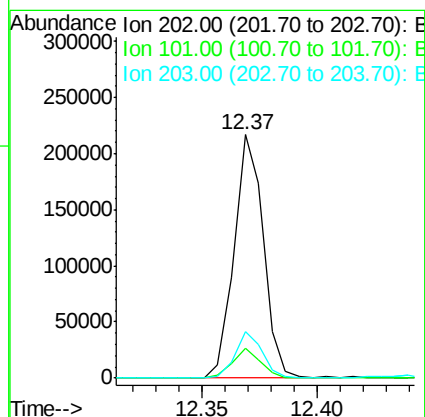
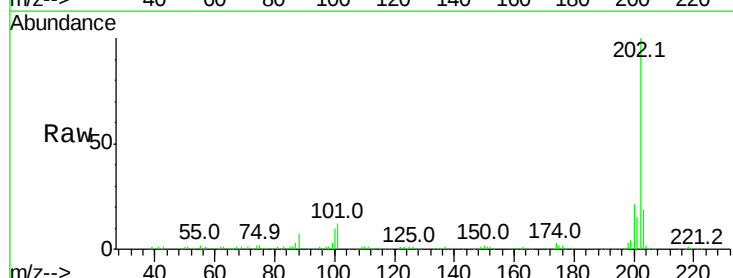
RT: 12.37 min Scan# 1748

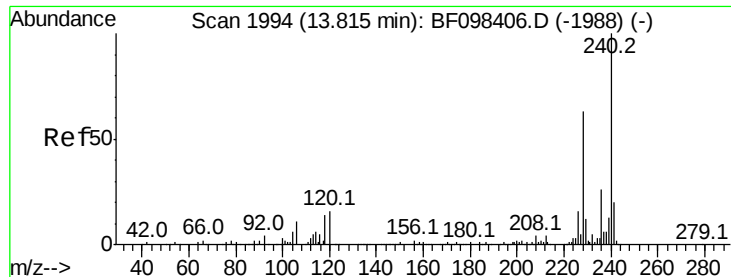
Delta R.T. -0.02 min

Lab File: BF098551.D

Acq: 15 Sep 2017 2:08

Tgt Ion:	202	Resp:	191906
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	33.2
203	18.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.02 min

Lab File: BF098551.D

Acq: 15 Sep 2017 2:08

Instrument :

BNA_F

ClientSampled :

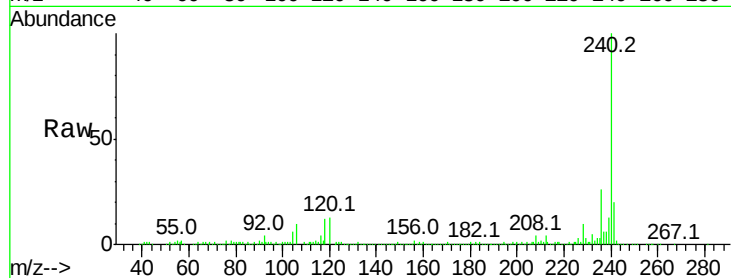
SP-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.3	5.8	8.8#
236	26.5	20.5	30.7

Manual Integrations
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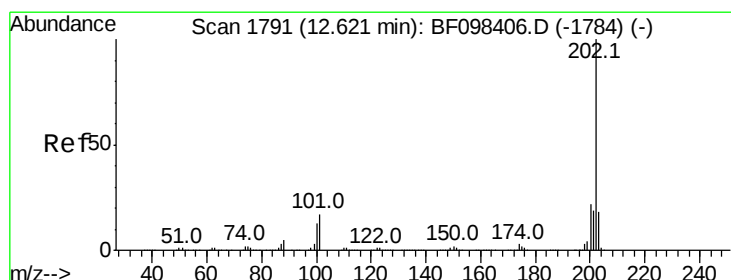
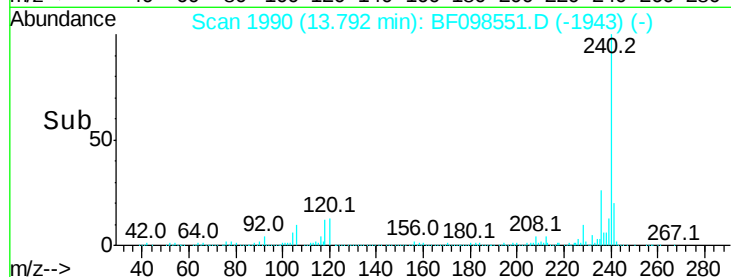
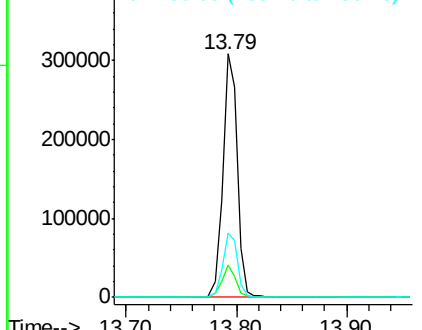
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.035 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF098551.D

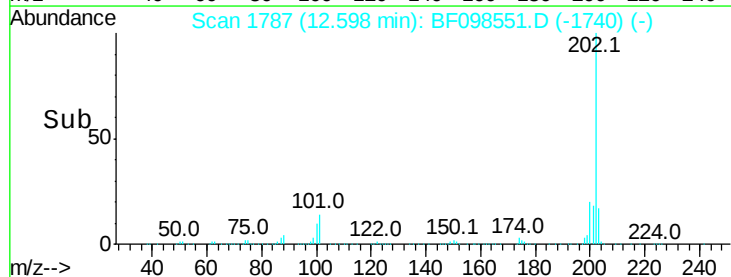
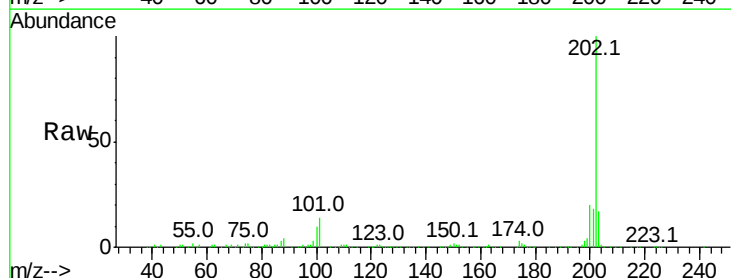
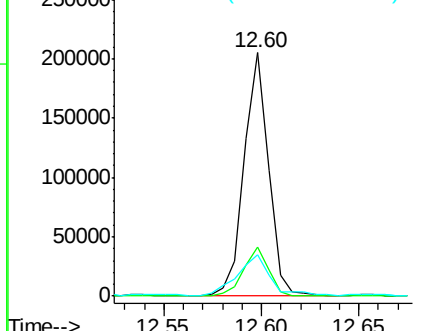
Acq: 15 Sep 2017 2:08

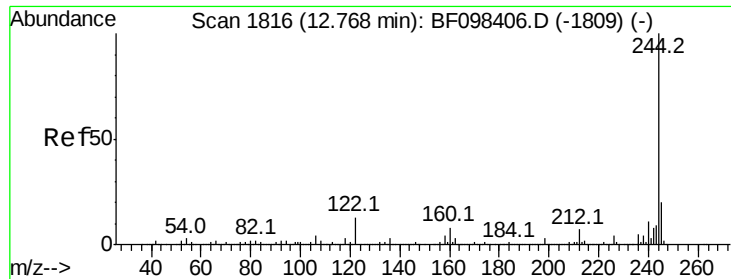
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.6	26.4
203	17.2	14.4	21.6

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78
 Terphenyl-d14
 Concen: 32.524 ng
 RT: 12.75 min Scan# 1812
 Delta R.T. -0.02 min
 Lab File: BF098551.D
 Acq: 15 Sep 2017 2:08

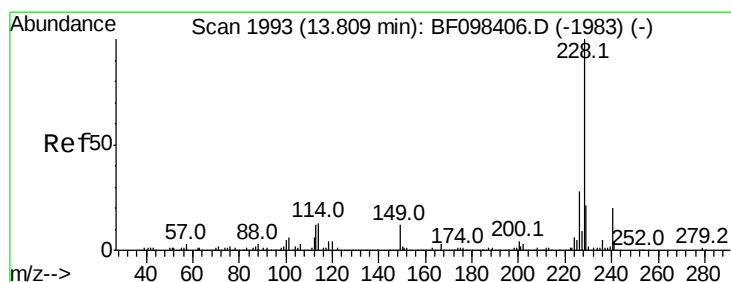
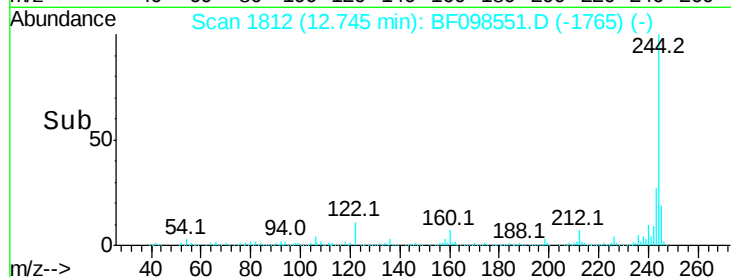
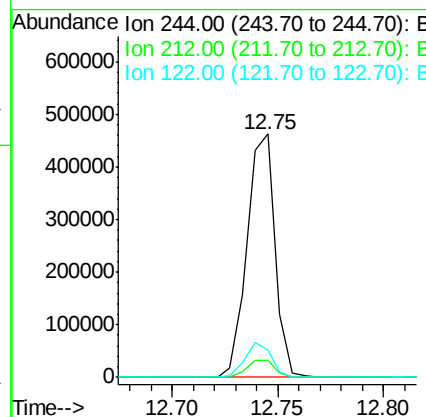
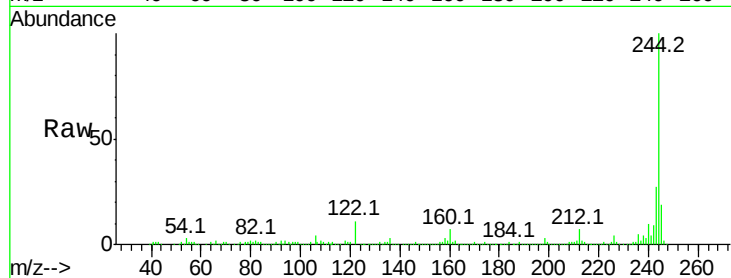
Instrument :
 BNA_F
 ClientSampled :
 SP-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	11.4	10.3	15.5

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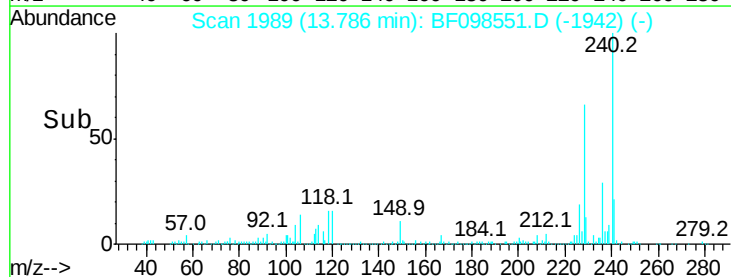
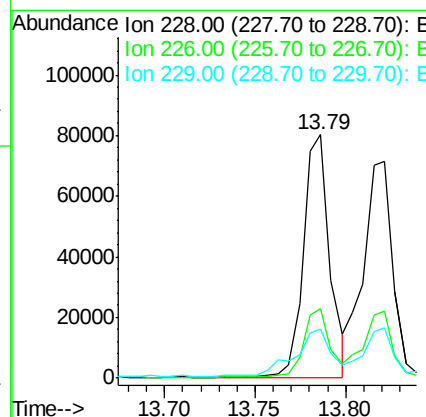
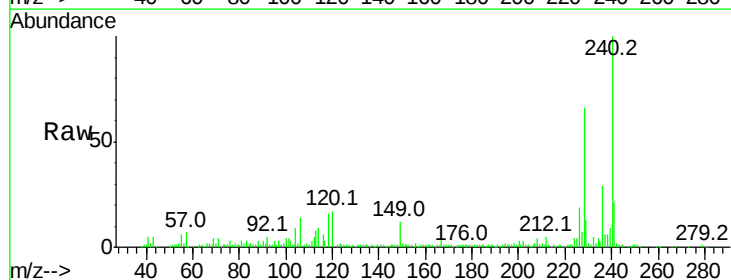
Sohil

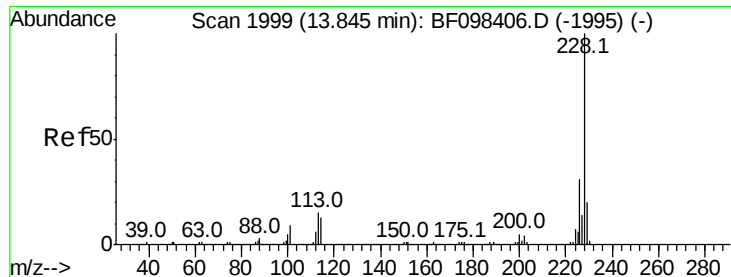
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#80
 Benzo(a)anthracene
 Concen: 5.041 ng
 RT: 13.79 min Scan# 1989
 Delta R.T. -0.02 min
 Lab File: BF098551.D
 Acq: 15 Sep 2017 2:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	20.0	16.3	24.5





#82

Chrysene

Concen: 4.904 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF098551.D

Acq: 15 Sep 2017 2:08

Instrument :

BNA_F

ClientSampled :

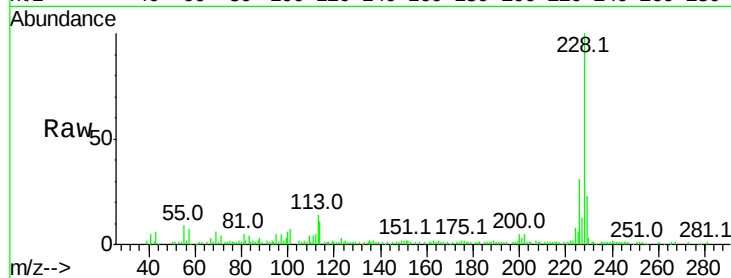
SP-1

Tot Ion:	228	Resp:	81857
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.9	37.3
229	23.5	15.8	23.6

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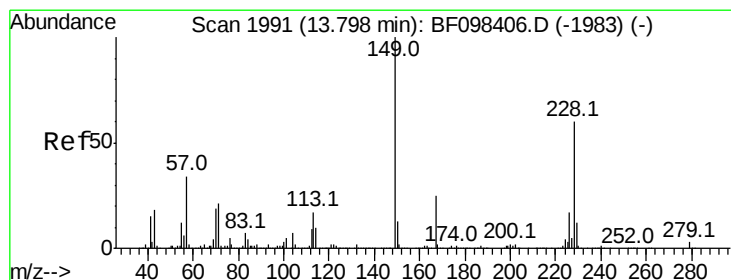
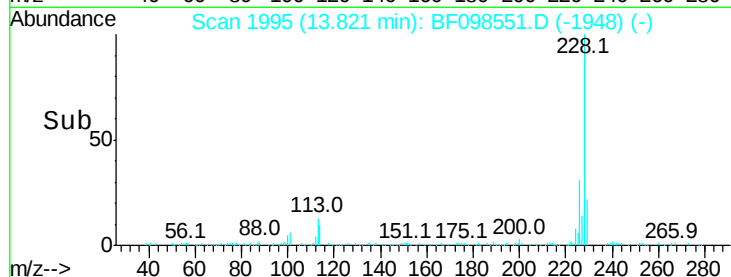
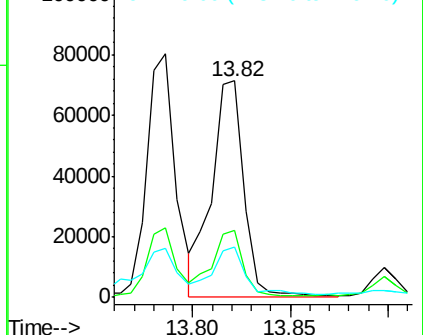
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.377 ng

RT: 13.78 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BF098551.D

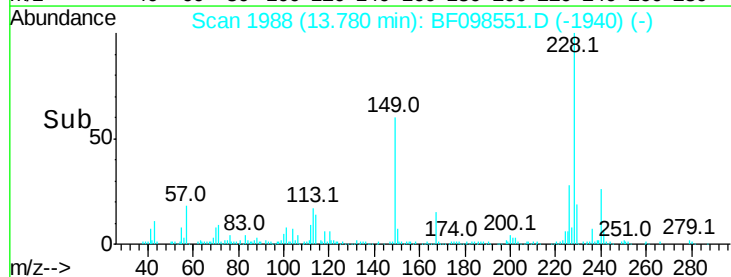
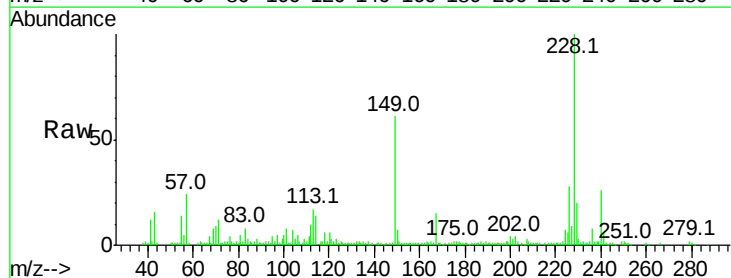
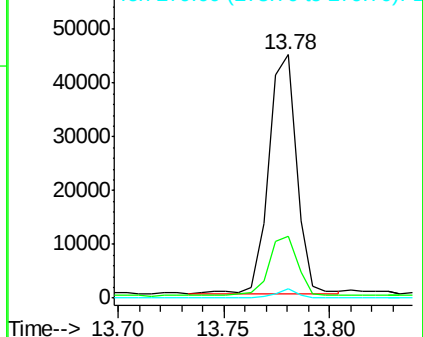
Acq: 15 Sep 2017 2:08

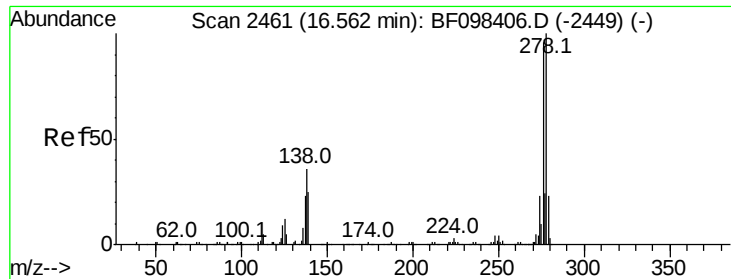
Tgt Ion:	149	Resp:	40852
Ion Ratio	Lower	Upper	
149	100		
167	25.2	21.0	31.4
279	3.7	1.9	2.9#

Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85
Indeno(1,2,3-cd)pyrene
Concen: 2.667 ng
RT: 16.53 min Scan# 2456
Delta R.T. -0.03 min
Lab File: BF098551.D
Acq: 15 Sep 2017 2:08

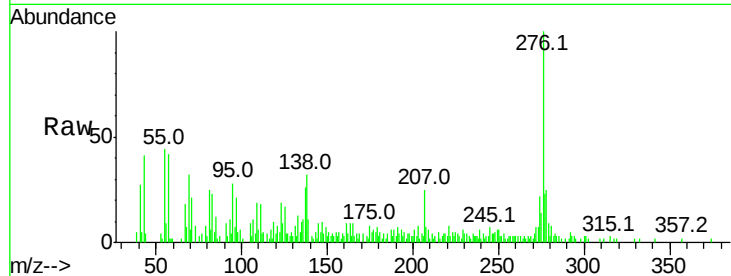
Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion:	276	Resp:	31235
Ion Ratio	Lower	Upper	
276	100		
138	30.8	27.8	41.6
277	28.0	20.2	30.4

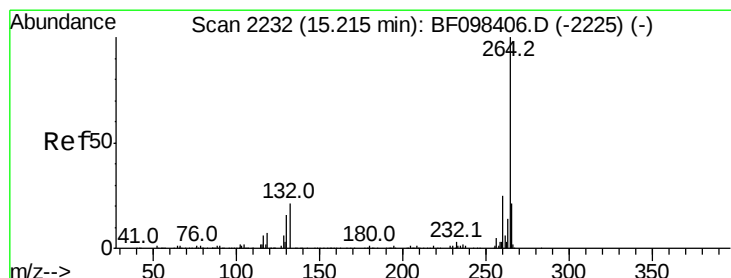
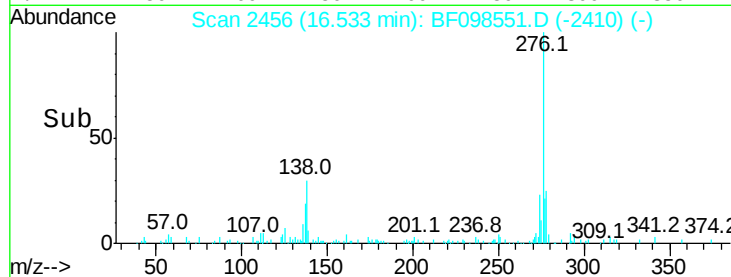
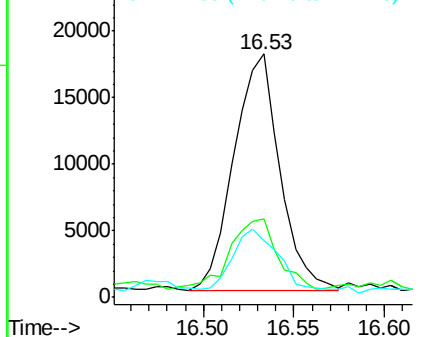
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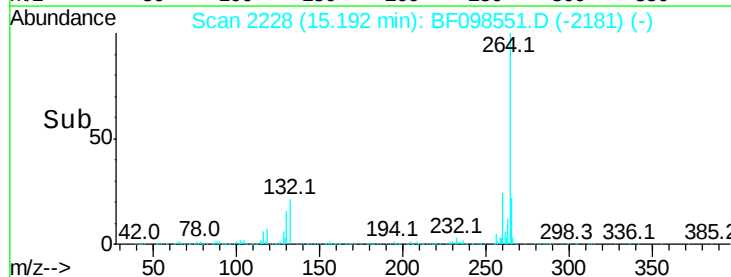
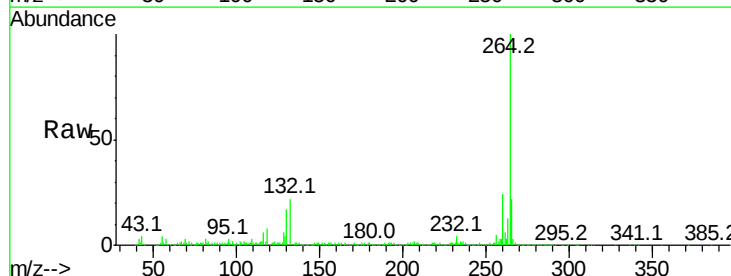
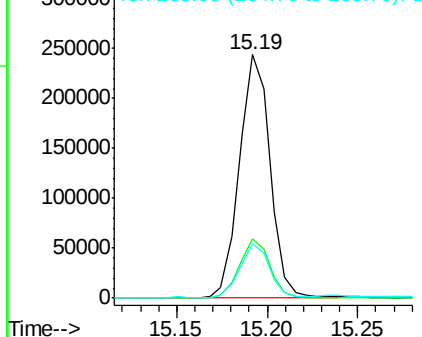
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

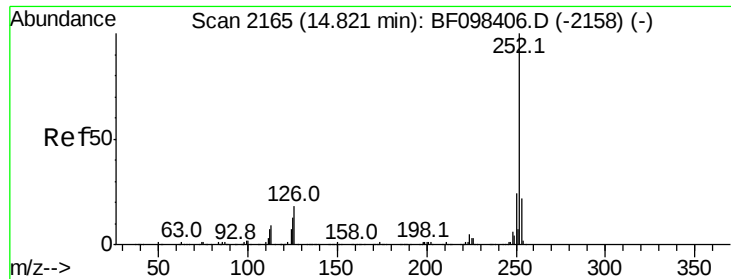


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF098551.D
Acq: 15 Sep 2017 2:08

Tgt Ion:	264	Resp:	287438
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.5	29.3
265	22.4	17.2	25.8

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.480 ng m

RT: 14.80 min Scan# 2162

Delta R.T. -0.02 min

Lab File: BF098551.D

Acq: 15 Sep 2017 2:08

Instrument :

BNA_F

ClientSampleId :

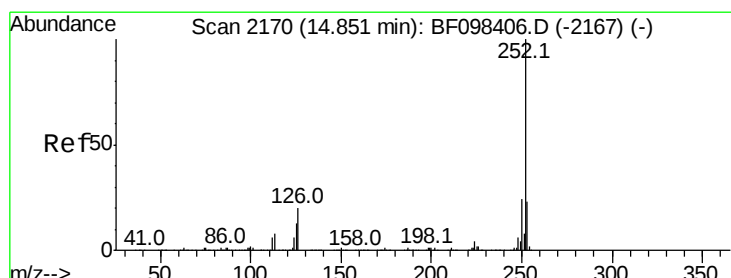
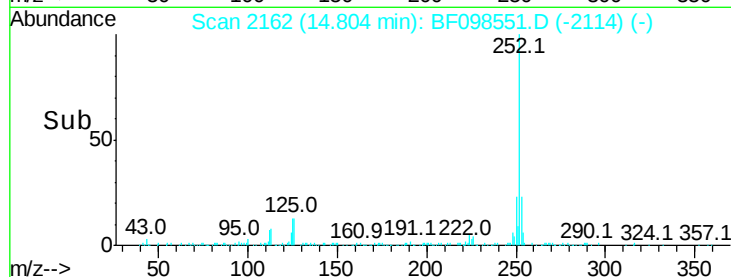
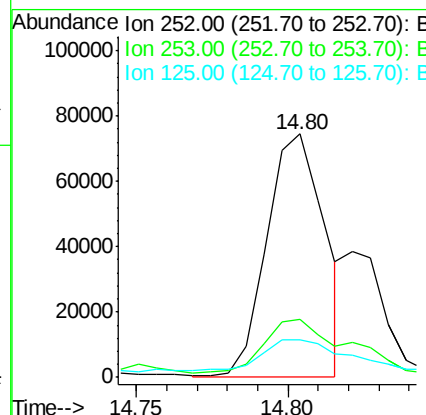
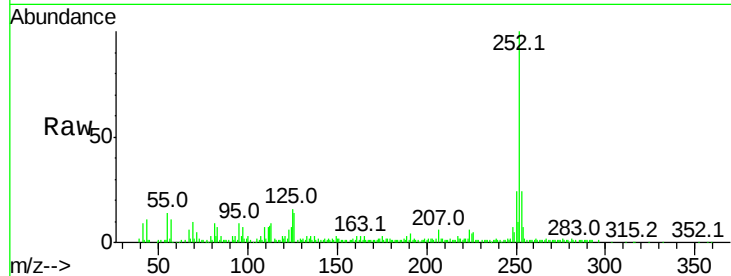
SP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	15.6	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 2.105 ng m

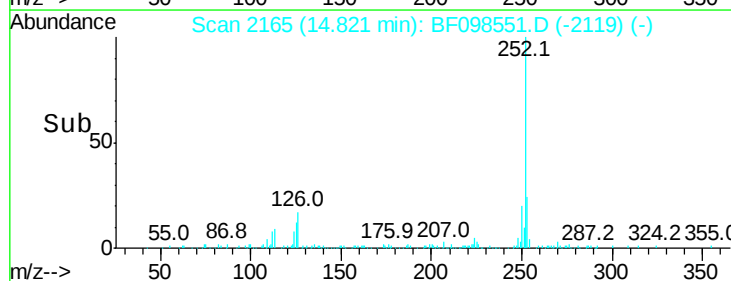
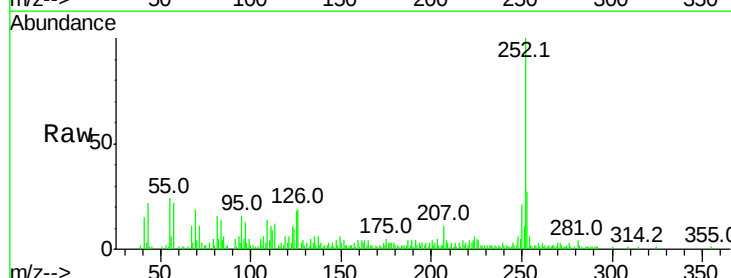
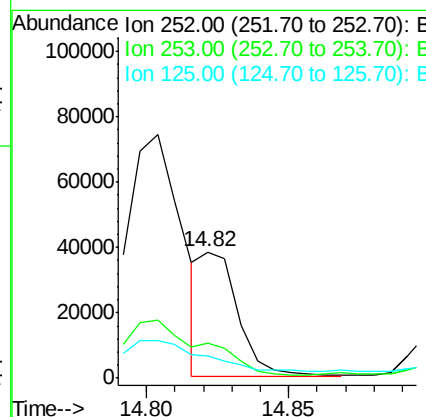
RT: 14.82 min Scan# 2165

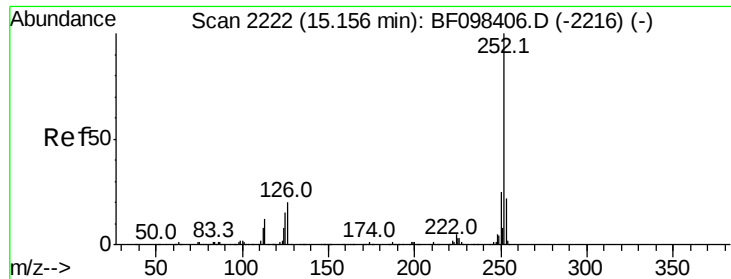
Delta R.T. -0.03 min

Lab File: BF098551.D

Acq: 15 Sep 2017 2:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.4	27.6
125	17.8	13.1	19.7





#89
Benzo(a)pyrene
Concen: 4.233 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.02 min
Lab File: BF098551.D
Acq: 15 Sep 2017 2:08

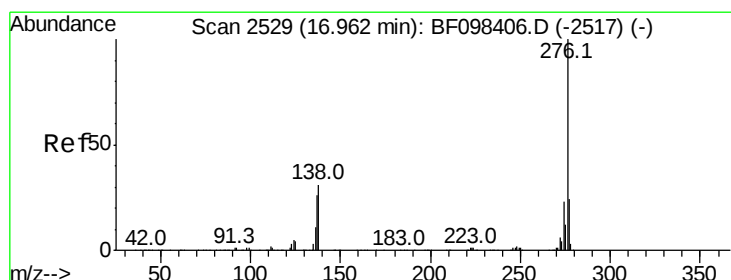
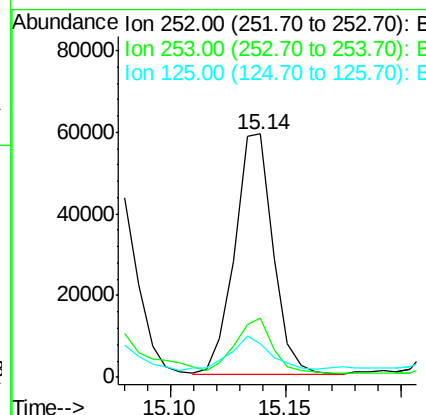
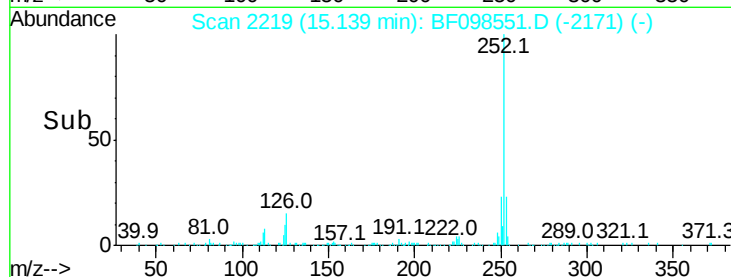
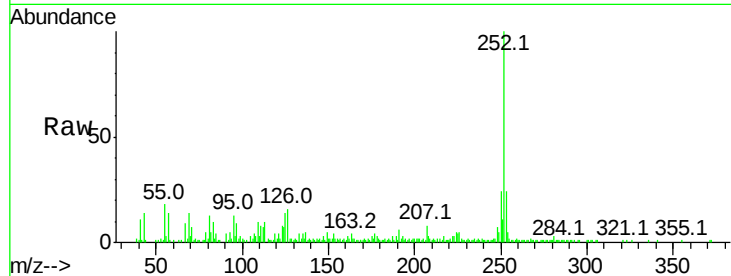
Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion:	252	Resp:	68160
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.5	26.3
125	13.9	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.575 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.03 min
Lab File: BF098551.D
Acq: 15 Sep 2017 2:08

Tgt Ion:	276	Resp:	30332
Ion Ratio	Lower	Upper	
276	100		
277	25.8	18.6	28.0
138	28.4	25.4	38.0

