

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102751.D
 Acq On : 5 Feb 2018 21:15
 Operator : SJ/JU
 Sample : J1454-05 20X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-6-EW(2-4)

Manual Integrations
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 2/6/2018 2:25:46 PM

Quant Time: Feb 06 02:25:52 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	197400	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	770656	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	351205	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	517694	20.00	ng	0.00
75) Chrysene-d12	14.04	240	324728	20.00	ng	0.00
86) Perylene-d12	15.52	264	298050	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	79369	6.11	ng	-0.01
7) Phenol-d6	6.49	99	100190	6.40	ng	-0.01
23) Nitrobenzene-d5	7.44	82	57988	5.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	15513	5.49	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	99323	4.69	ng	-0.01
78) Terphenyl-d14	12.99	244	63805	4.65	ng	-0.01

Target Compounds				Qvalue		
22) Acetophenone	7.27	105	309271	16.399	ng	# 59
31) Naphthalene	8.19	128	461834	12.266	ng	# 94
37) 2-Methylnaphthalene	8.87	142	324374	13.158	ng	99
51) Acenaphthene	9.95	154	53181	2.459	ng	99
57) Fluorene	10.46	166	78265	3.529	ng	95
70) Phenanthrene	11.43	178	486618	16.878	ng	99
71) Anthracene	11.48	178	123318	4.205	ng	99
74) Fluoranthene	12.62	202	646357	22.282	ng	98
77) Pyrene	12.85	202	551691	21.666	ng	99
80) Benzo(a)anthracene	14.03	228	306368	15.002	ng	99
82) Chrysene	14.07	228	264912	12.868	ng	98
85) Indeno(1,2,3-cd)pyrene	17.01	276	151658	8.882	ng	95
87) Benzo(b)fluoranthene	15.09	252	374987m	19.406	ng	
88) Benzo(k)fluoranthene	15.12	252	140482m	7.609	ng	
89) Benzo(a)pyrene	15.46	252	258505	14.862	ng	# 95
90) Dibenzo(a,h)anthracene	17.02	278	37860	2.682	ng	# 82
91) Benzo(g,h,i)perylene	17.46	276	135379	9.797	ng	97

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

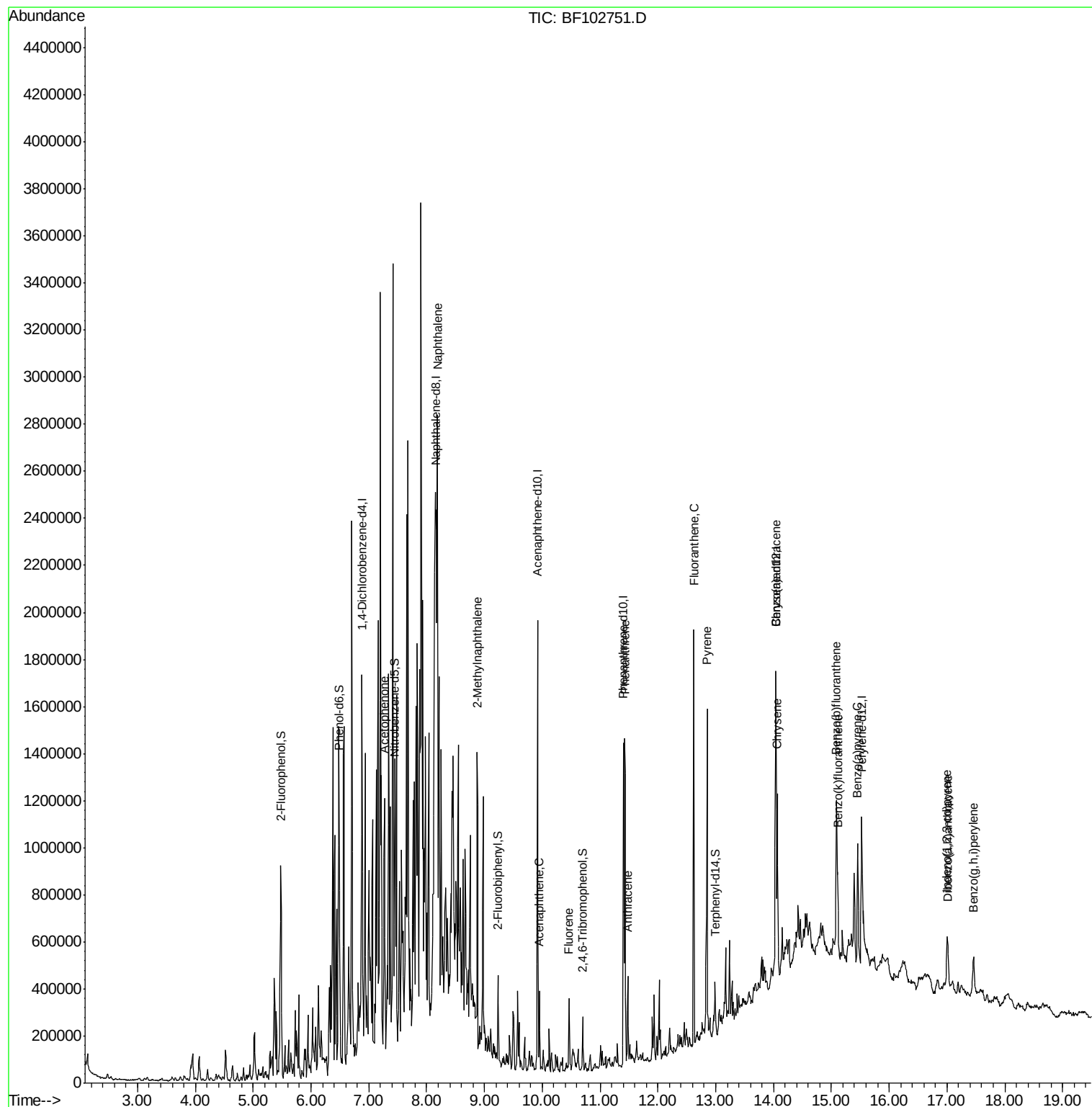
Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
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ALS Vial : 26 Sample Multiplier: 1

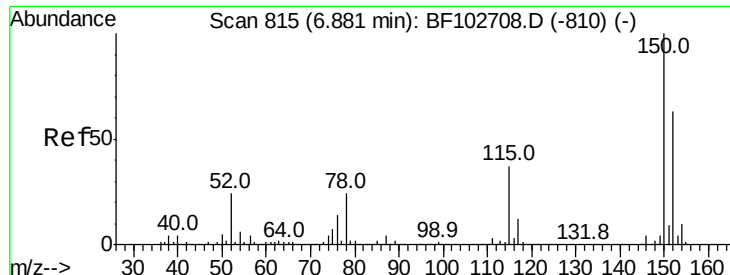
Instrument :
BNA_F
ClientSampleId :
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#1

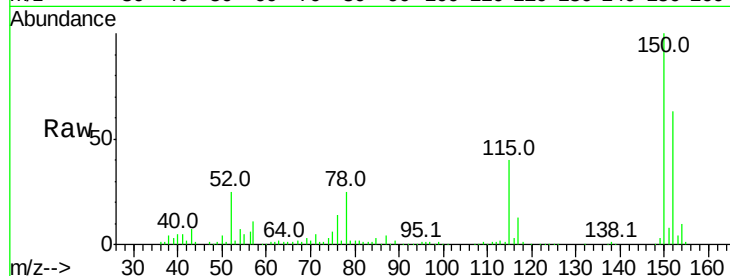
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Instrument :
BNA_F
ClientSampleId :
8-SAN-6-EW(2-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	63.2	50.1	75.1

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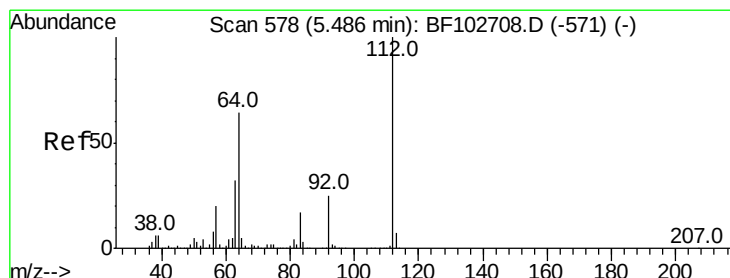
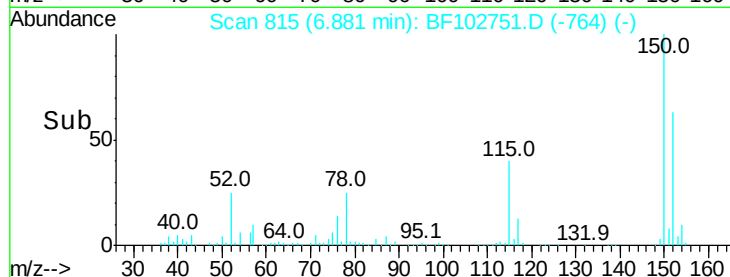
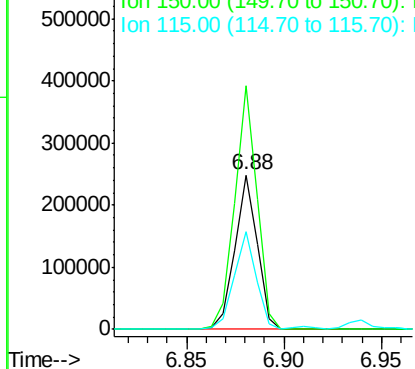


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

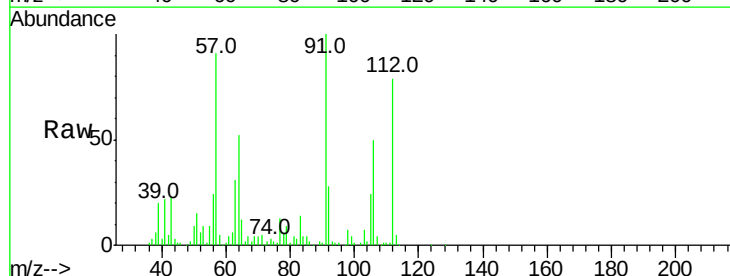
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 6.106 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	47.9	71.9
63	39.3	23.7	35.5

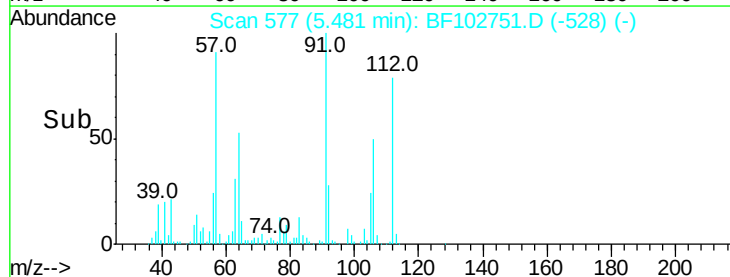
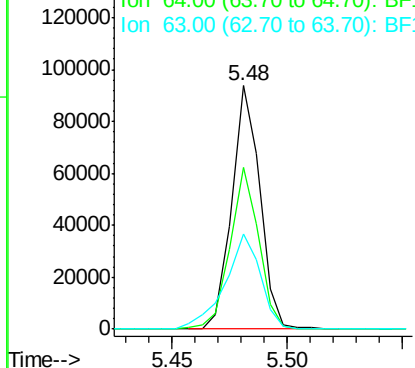


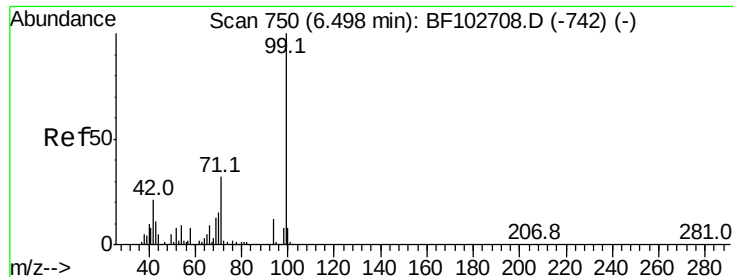
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 6.402 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

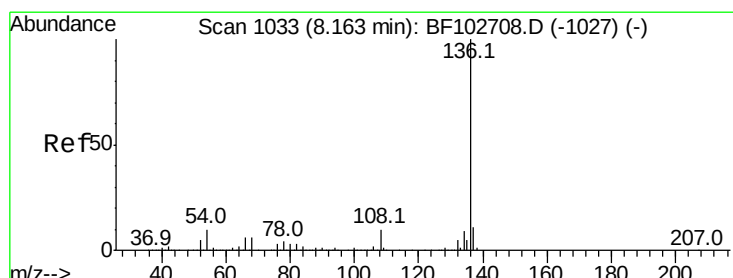
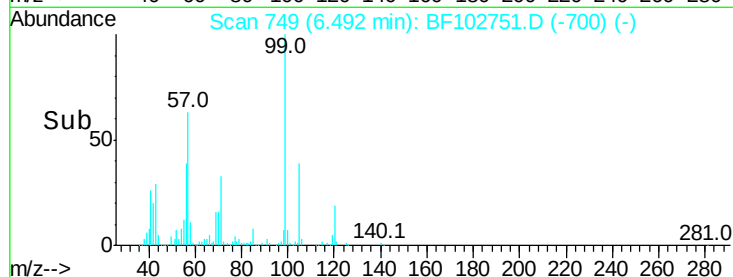
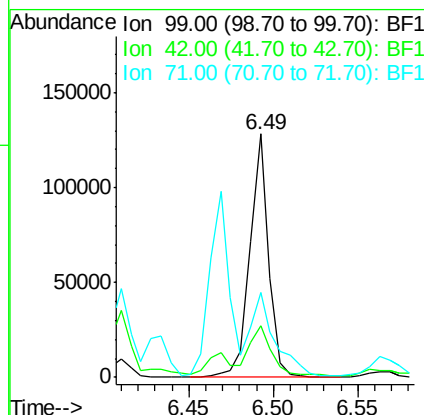
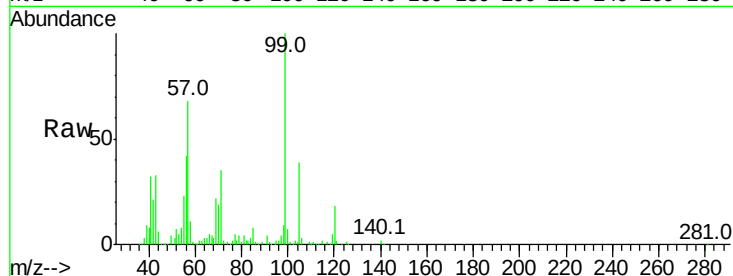
ClientSampleId :

8-SAN-6-EW(2-4)

Tot Ion	99	Resp	100190
Ion Ratio	Lower	Upper	
99	100		
42	21.1	14.5	21.7
71	34.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

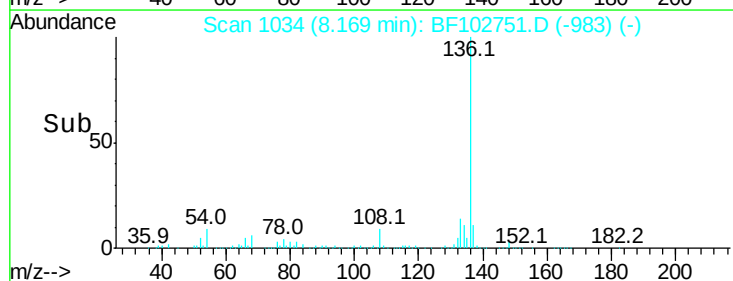
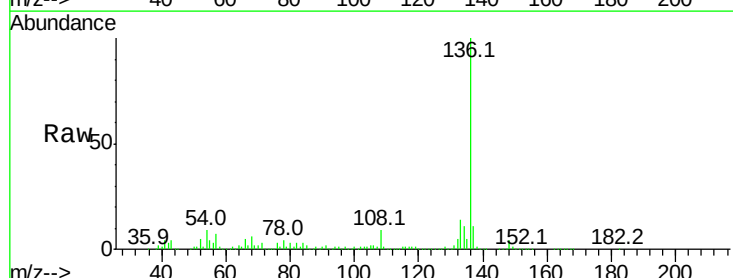
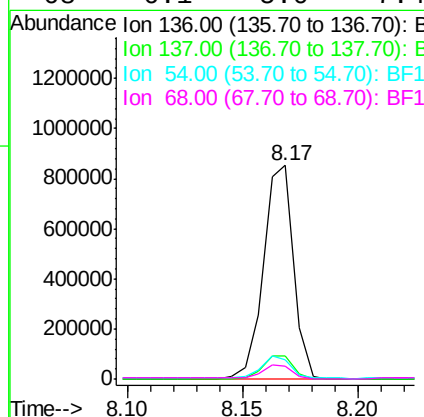
RT: 8.17 min Scan# 1034

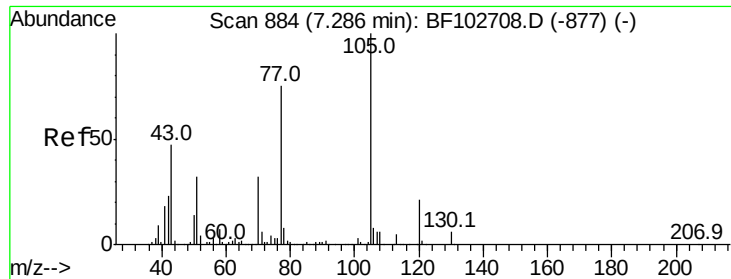
Delta R.T. -0.00 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Tgt Ion	136	Resp	770656
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	9.1	6.6	9.8
68	6.1	5.0	7.4





#22

Acetophenone

Concen: 16.399 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.02 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

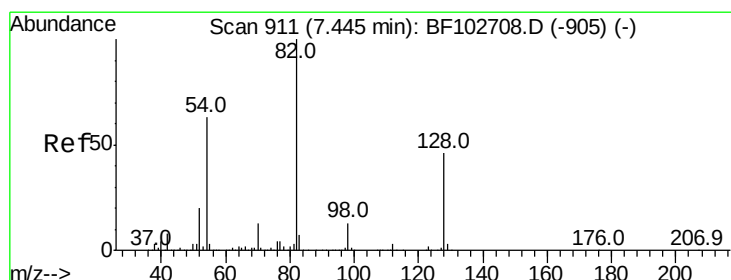
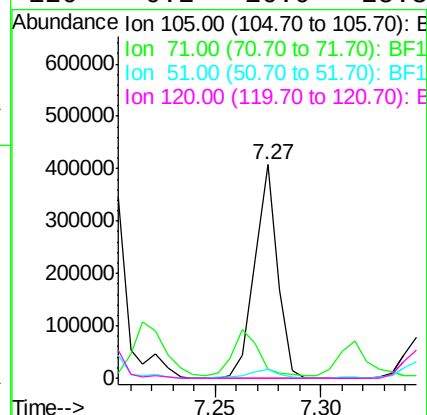
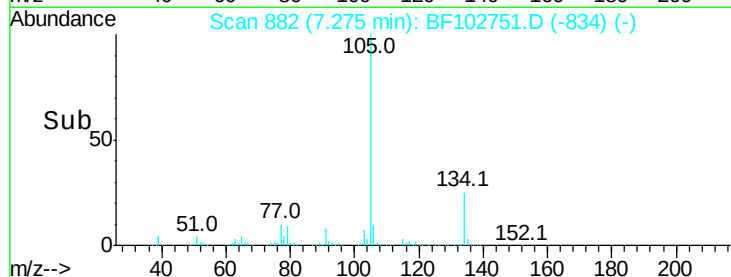
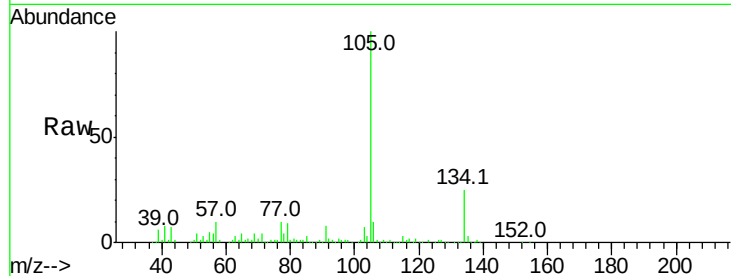
ClientSampleId :

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Tot Ion	Ratio	Resp Lower	Upper
105	100		
71	4.3	4.4	6.6#
51	4.3	22.3	33.5#
120	0.2	16.9	25.3#

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#23

Nitrobenzene-d5

Concen: 5.220 ng

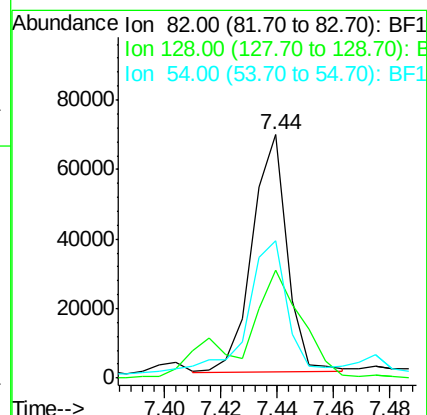
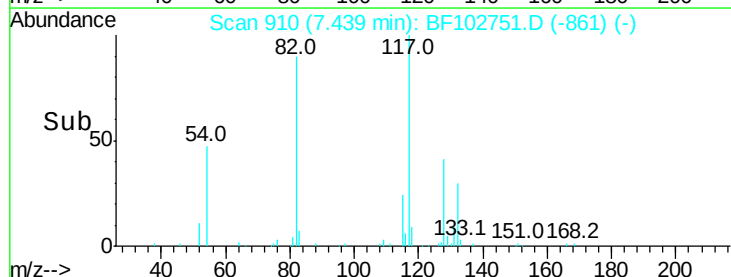
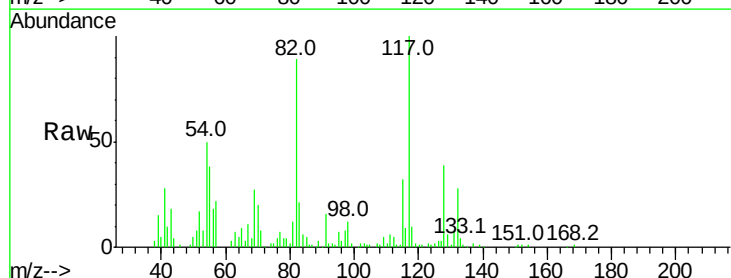
RT: 7.44 min Scan# 910

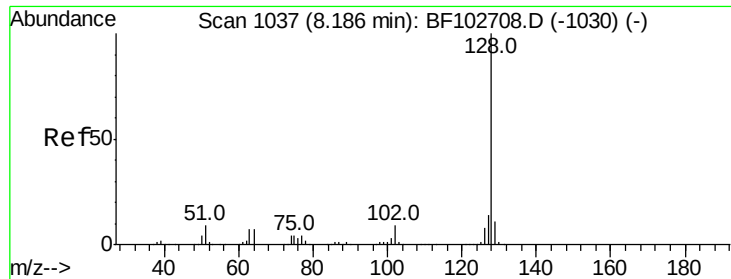
Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.3	36.1	54.1
54	56.4	41.4	62.2





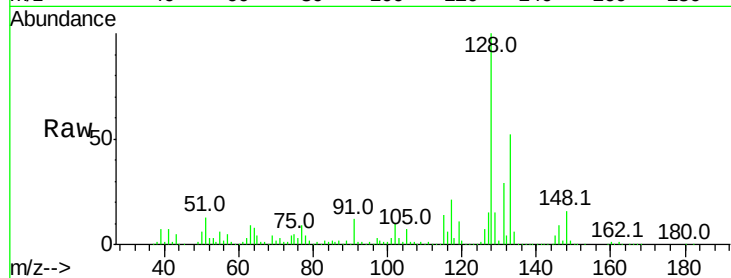
#31
Naphthalene
Concen: 12.266 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Instrument :
BNA_F
ClientSampleId :
8-SAN-6-EW(2-4)

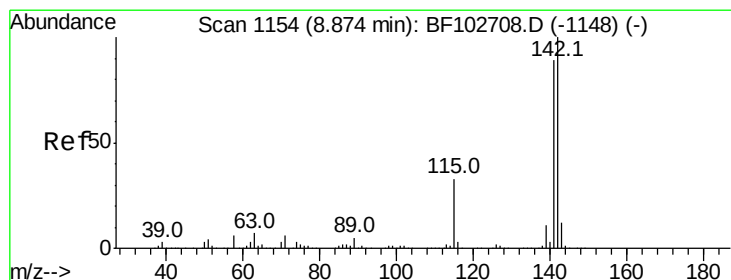
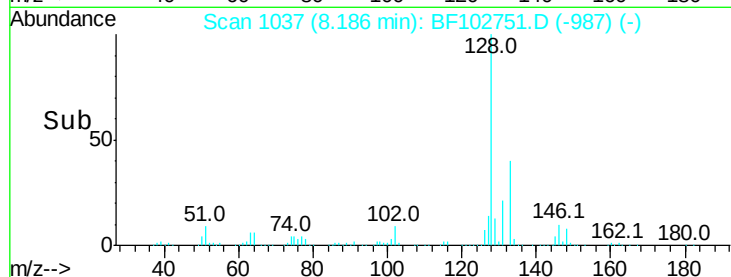
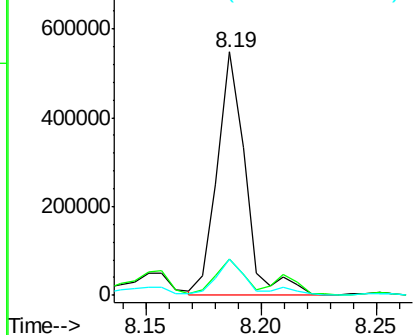
Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	14.7	8.8	13.2#	
127	14.9	10.9	16.3	

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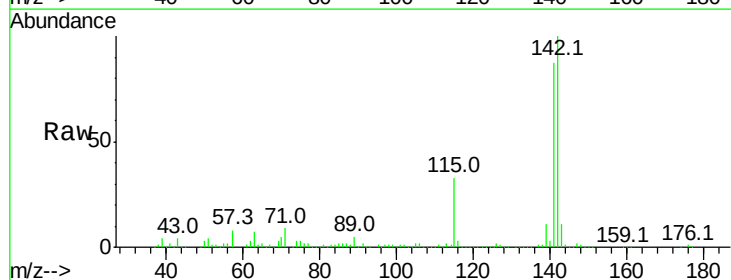


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

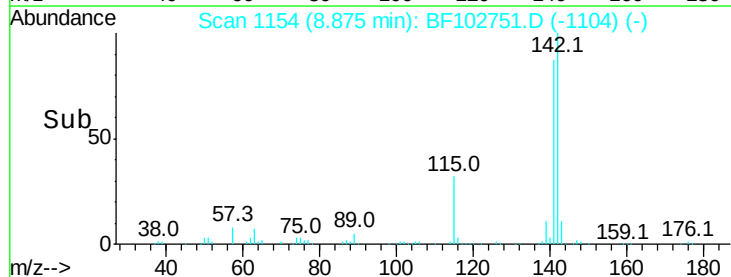
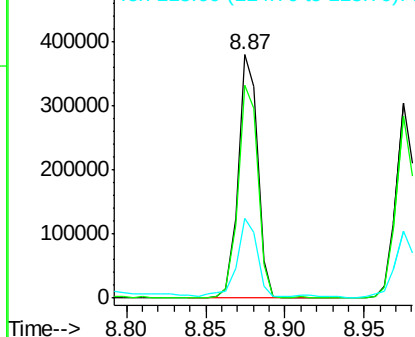


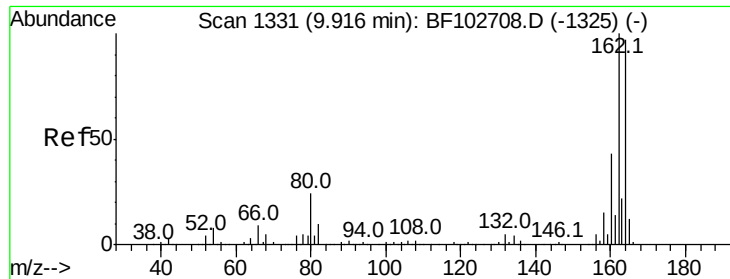
#37
2-Methylnaphthalene
Concen: 13.158 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	87.4	70.8	106.2	
115	32.6	26.1	39.1	



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





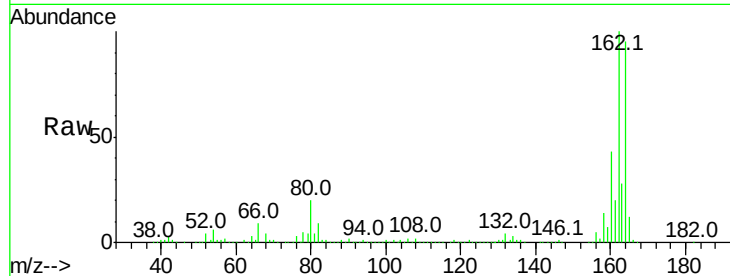
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Instrument :
BNA_F
ClientSampleId :
8-SAN-6-EW(2-4)

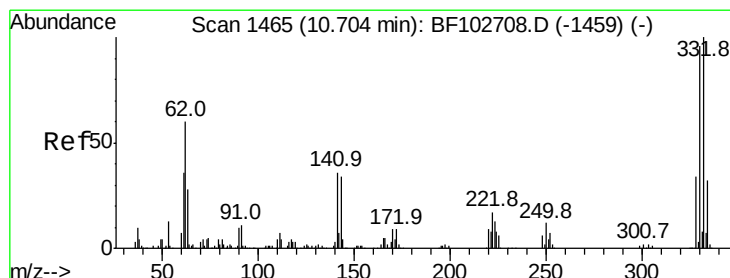
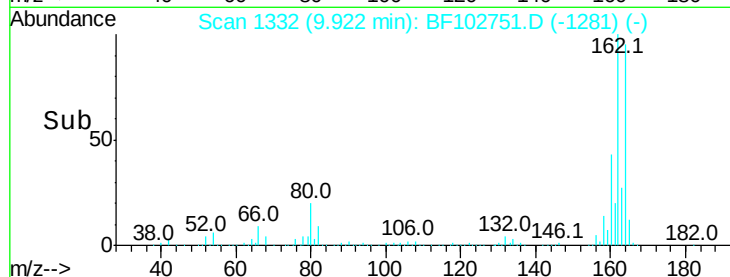
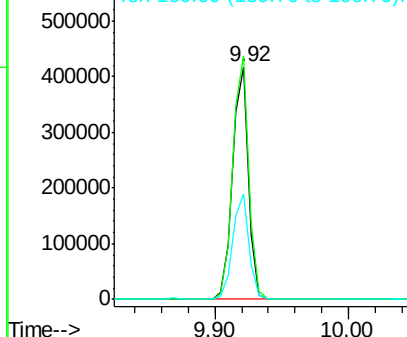
Tot Ion	Ratio	Resp	Lower	Upper
164	100	351205		
162	104.8	86.1	129.1	
160	45.5	38.3	57.5	

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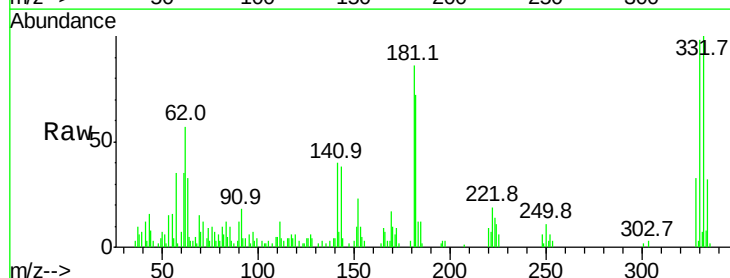


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

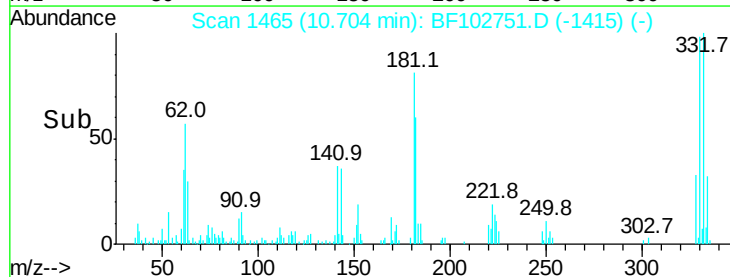
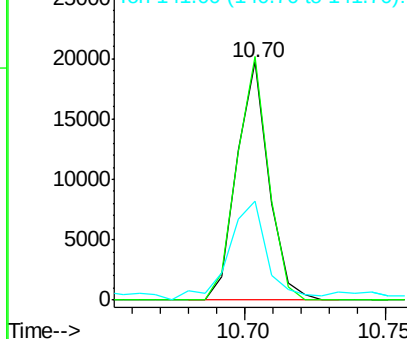


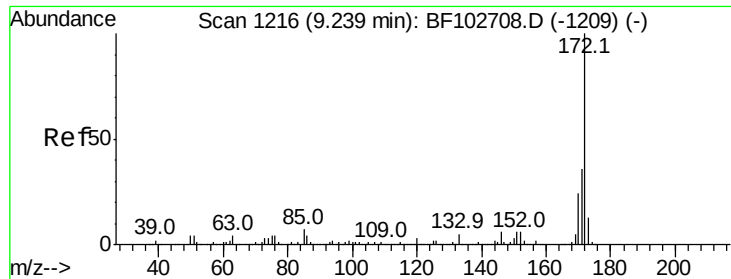
#41
2,4,6-Tribromophenol
Concen: 5.488 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	15513		
332	100.3	77.0	115.6	
141	50.4	29.9	44.9#	



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: 4.693 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

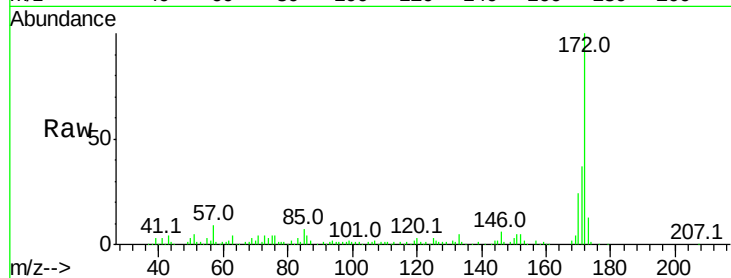
ClientSampleId :

8-SAN-6-EW(2-4)

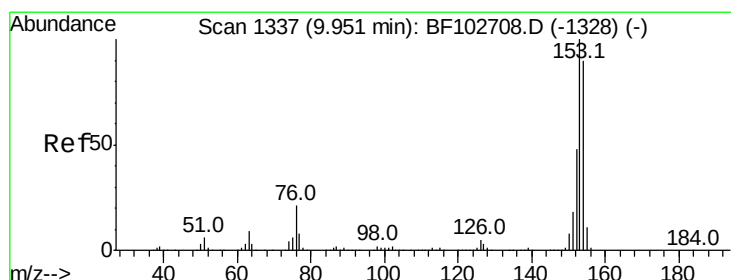
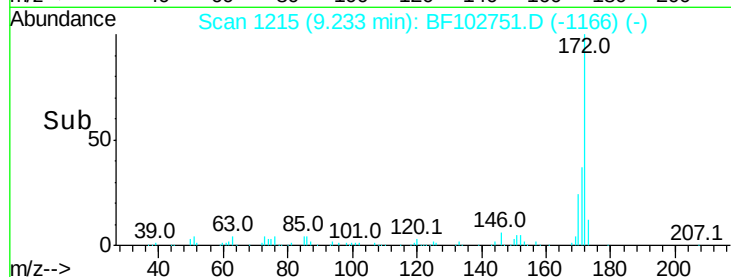
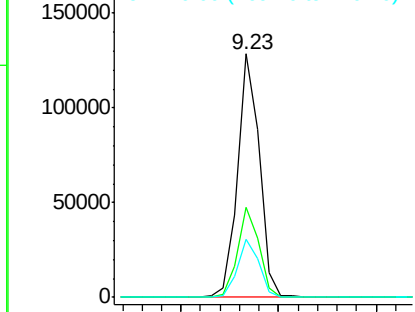
Tot Ion:	172	Resp:	99323
Ion Ratio	Lower	Upper	
172	100		
171	37.1	29.7	44.5
170	23.9	19.6	29.4

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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



#51

Acenaphthene

Concen: 2.459 ng

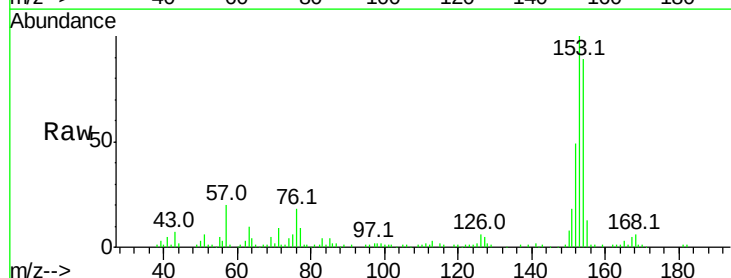
RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

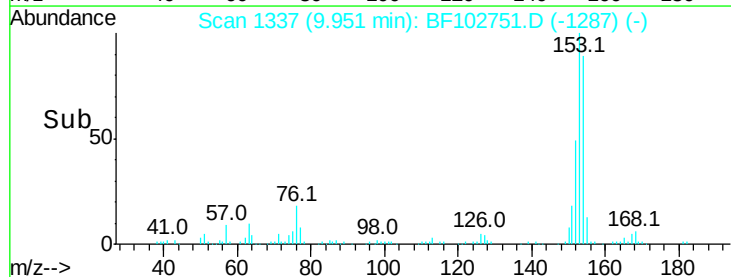
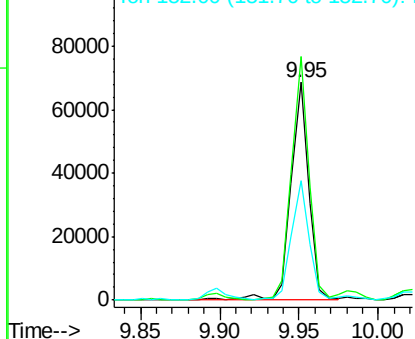
Lab File: BF102751.D

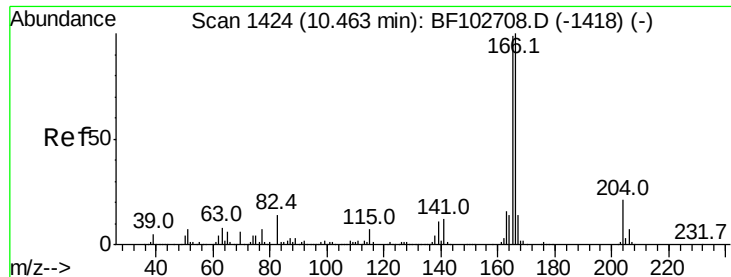
Acq: 5 Feb 2018 21:15

Tgt Ion:	154	Resp:	53181
Ion Ratio	Lower	Upper	
154	100		
153	111.8	91.2	136.8
152	54.7	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





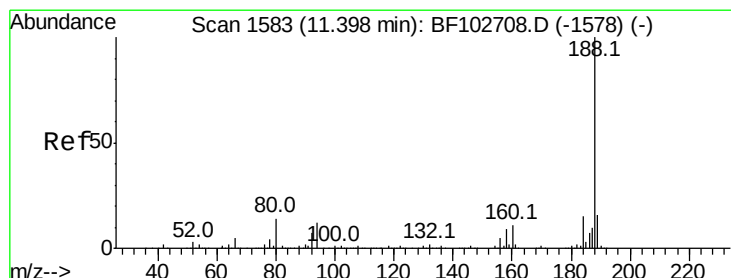
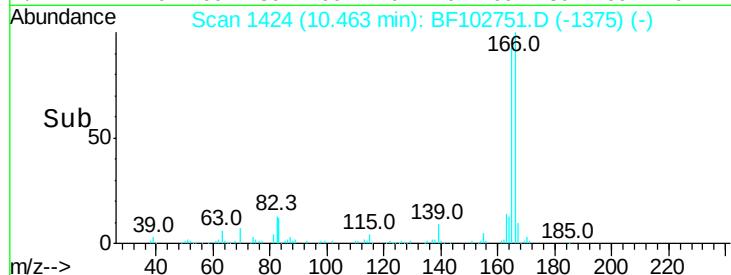
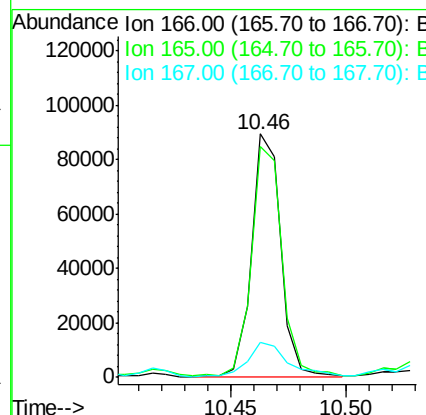
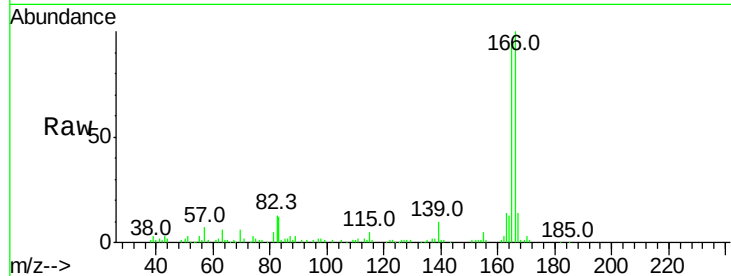
#57
Fluorene
 Concen: 3.529 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF102751.D
 Acq: 5 Feb 2018 21:15

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-6-EW(2-4)

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.7	79.8	119.8
167	14.5	10.6	16.0

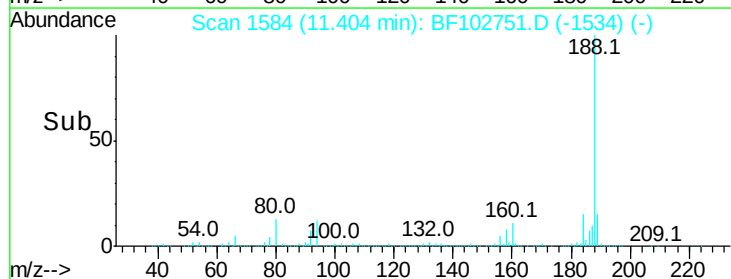
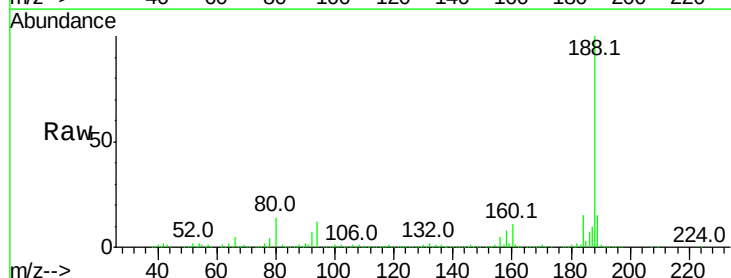
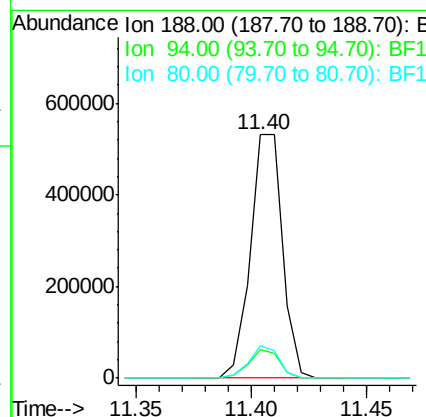
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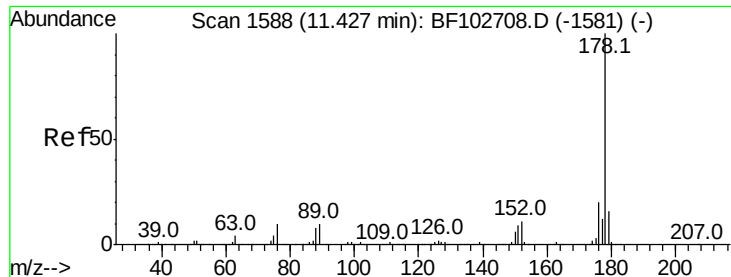
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102751.D
 Acq: 5 Feb 2018 21:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	8.5	12.7
80	13.5	9.2	13.8





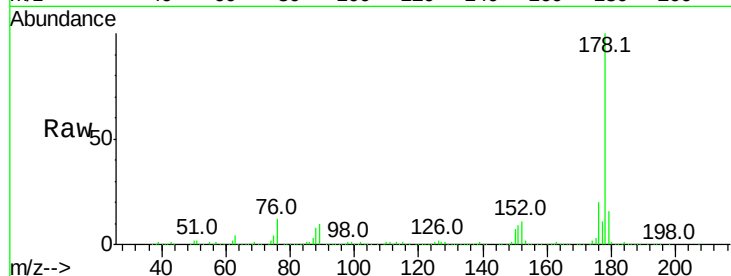
#70
Phenanthrene
Concen: 16.878 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Instrument :
BNA_F
ClientSampleId :
8-SAN-6-EW(2-4)

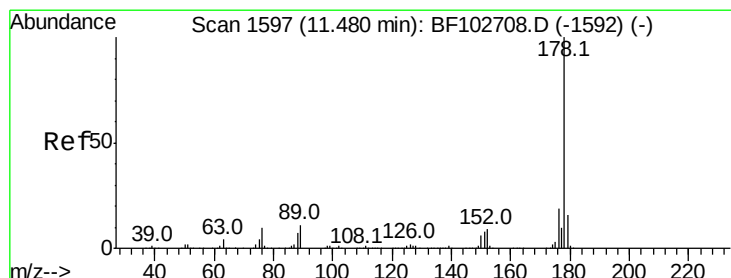
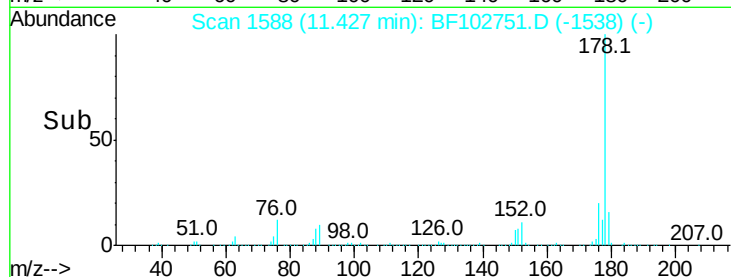
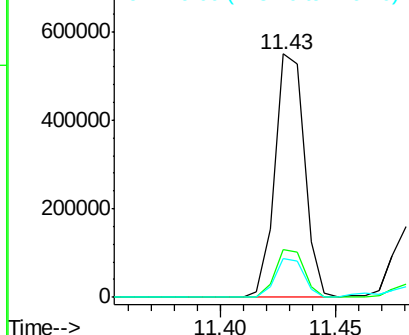
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.0	13.0	19.6

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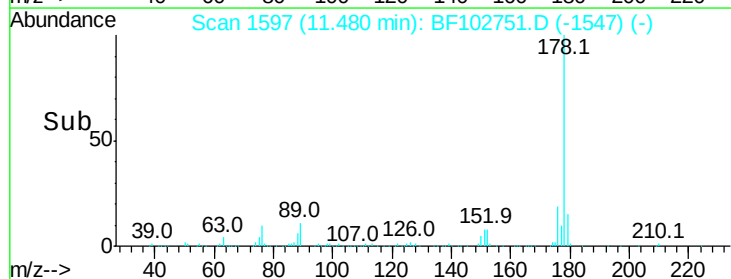
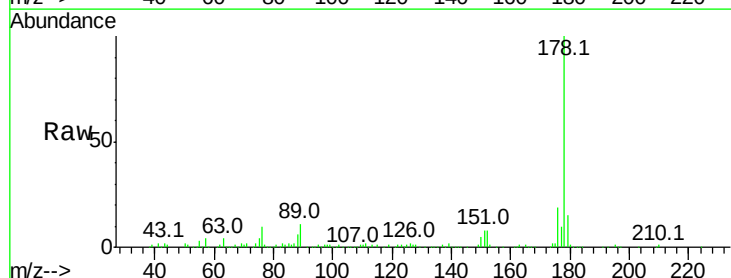
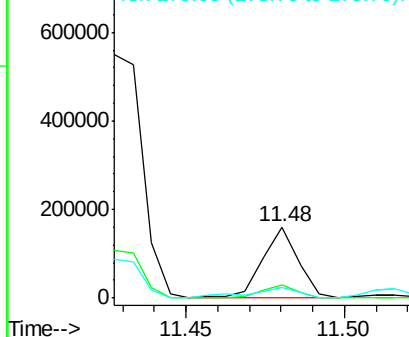
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

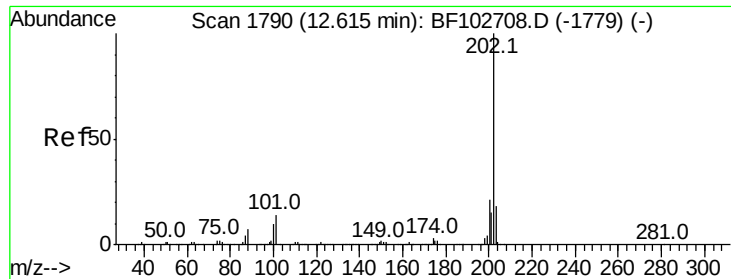


#71
Anthracene
Concen: 4.205 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.4	12.6	19.0

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: 22.282 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

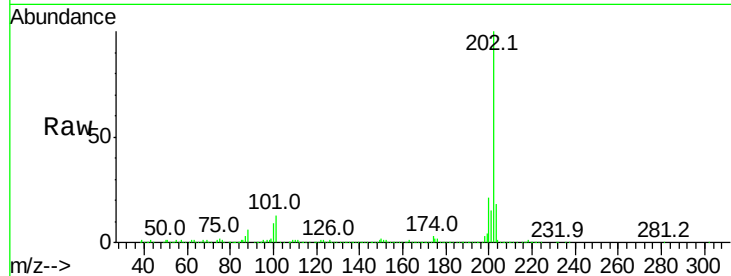
ClientSampleId :

8-SAN-6-EW(2-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		646357		
101	13.0	0.0	34.1		
203	17.7	0.0	38.1		

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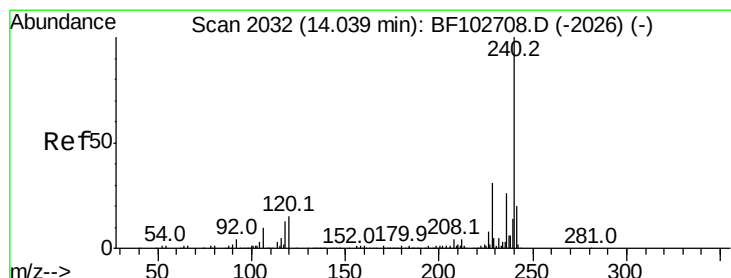
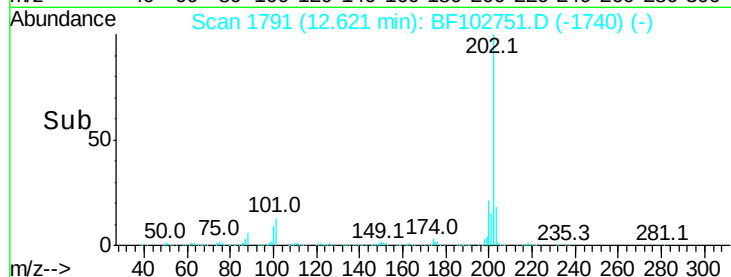
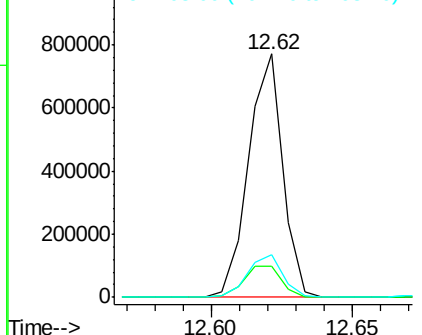


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

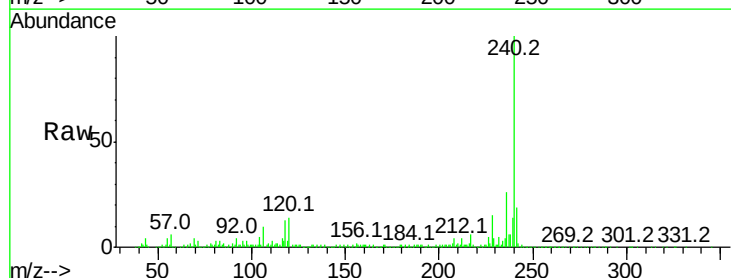
RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		324728		
120	14.0	9.5	14.3		
236	26.2	20.7	31.1		

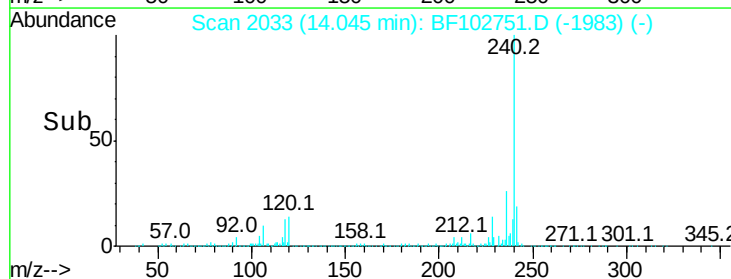
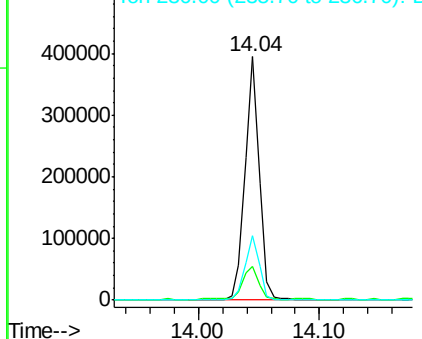


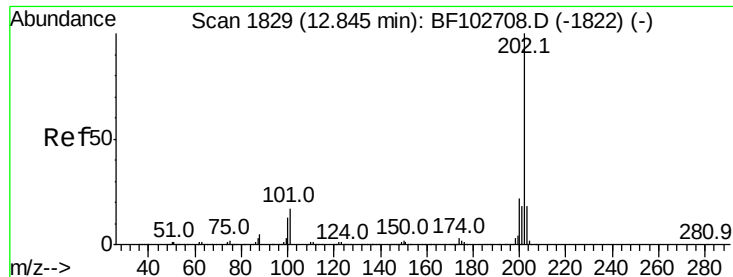
Abundance

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

Pvrene

Concen: 21.666 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

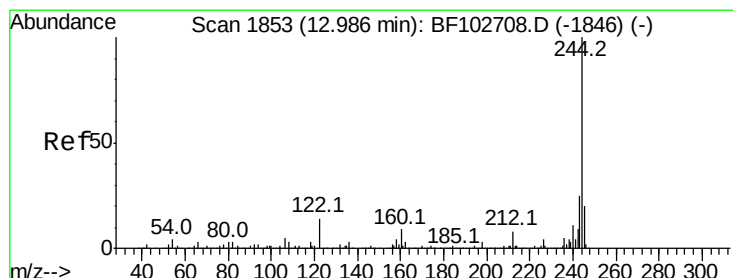
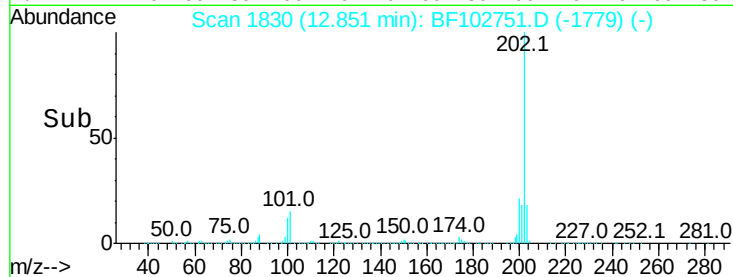
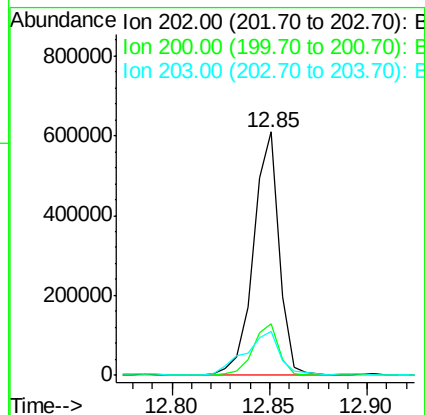
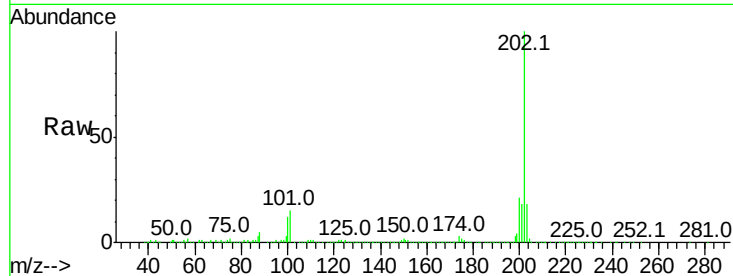
ClientSampleId :

8-SAN-6-EW(2-4)

Tot Ion:	202	Resp:	551691
Ion Ratio		Lower	Upper
202	100		
200	21.0	17.4	26.2
203	18.2	14.3	21.5

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#78

Terphenyl-d14

Concen: 4.652 ng

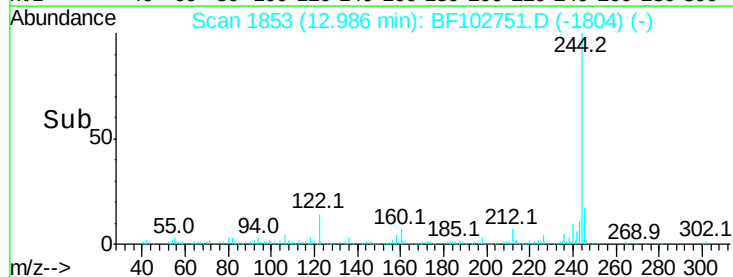
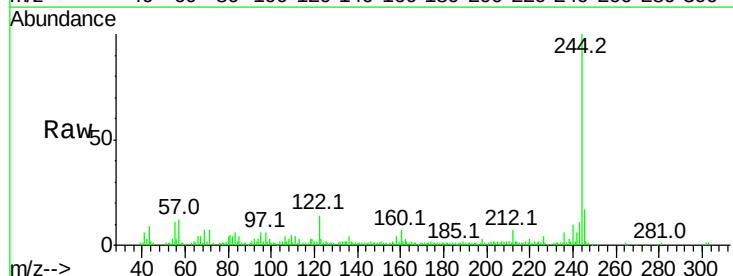
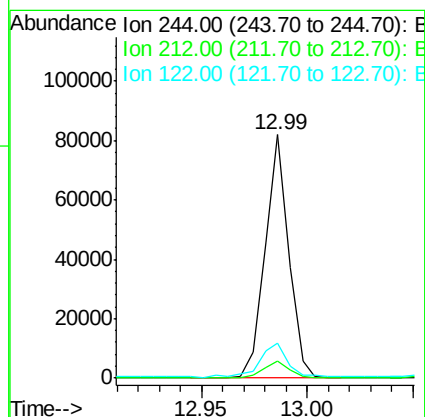
RT: 12.99 min Scan# 1853

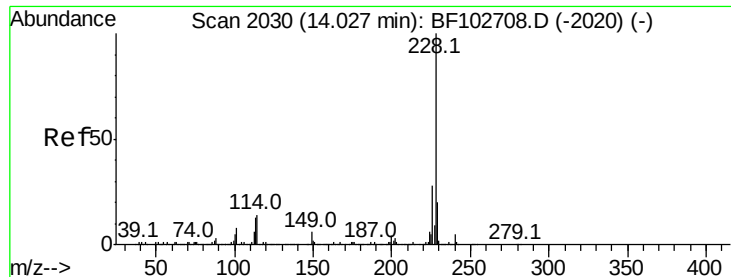
Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Tgt Ion:	244	Resp:	63805
Ion Ratio		Lower	Upper
244	100		
212	7.1	5.4	8.0
122	14.5	11.0	16.4





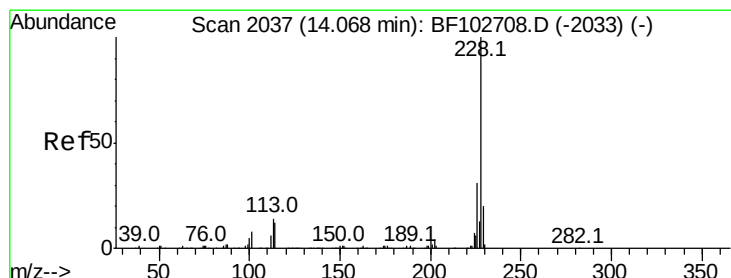
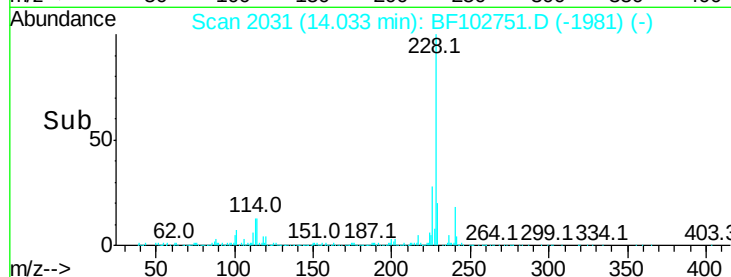
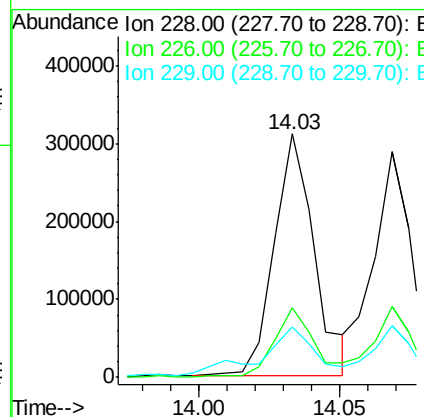
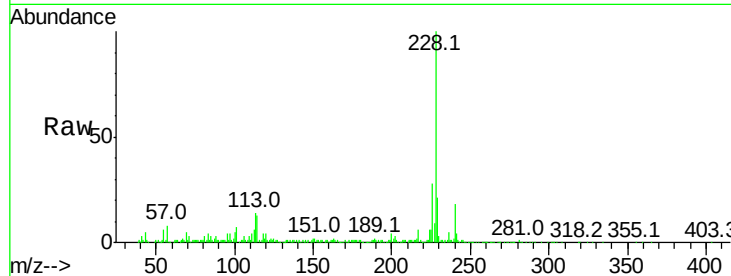
#80
Benzo(a)anthracene
Concen: 15.002 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Instrument :
BNA_F
ClientSampleId :
8-SAN-6-EW(2-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.7	15.8	23.6

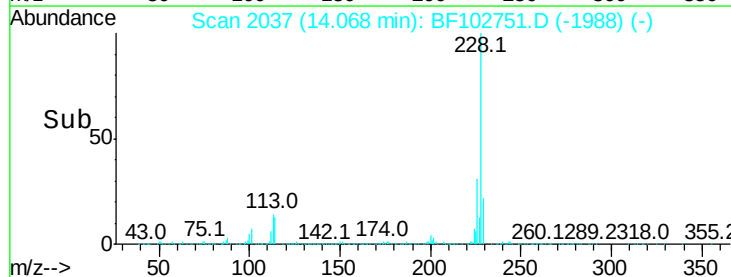
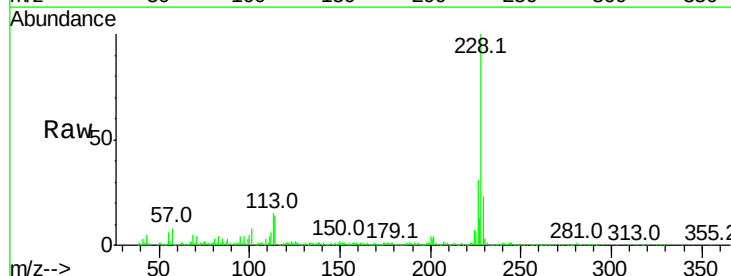
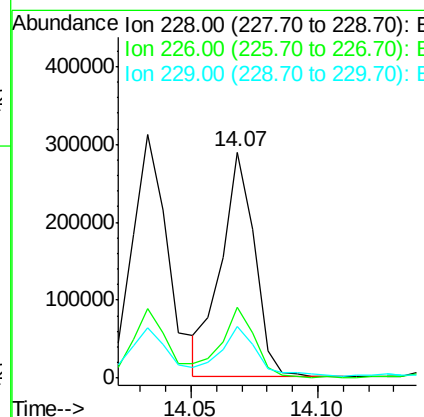
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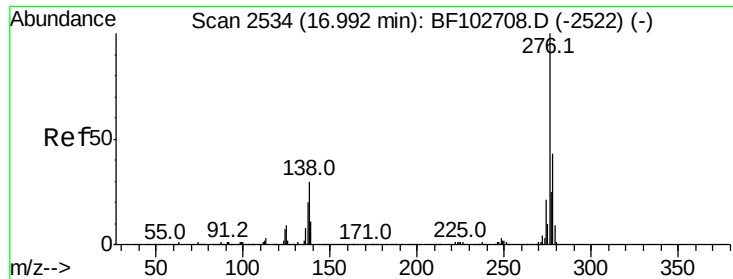
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#82
Chrysene
Concen: 12.868 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	22.8	16.2	24.4





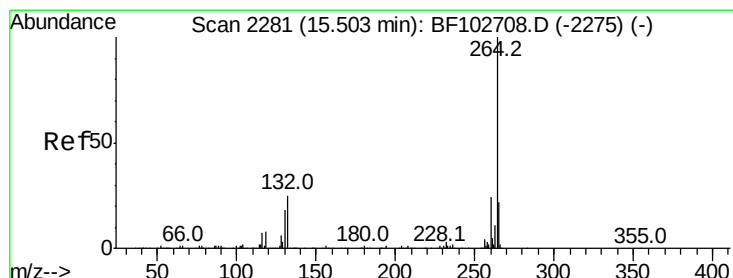
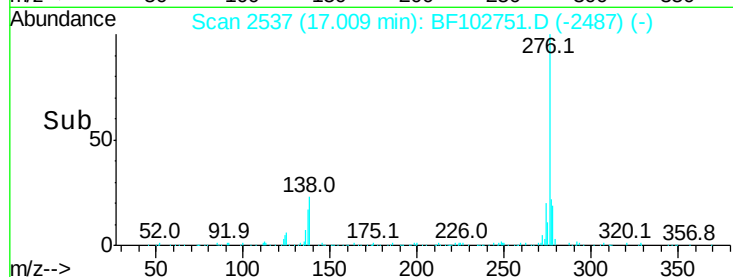
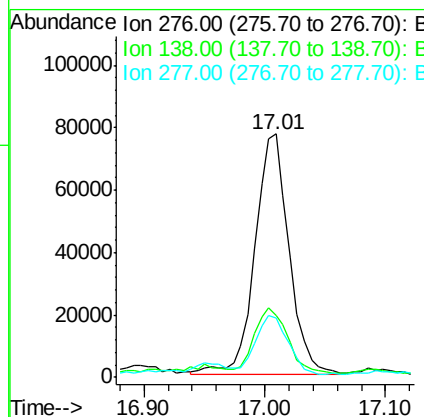
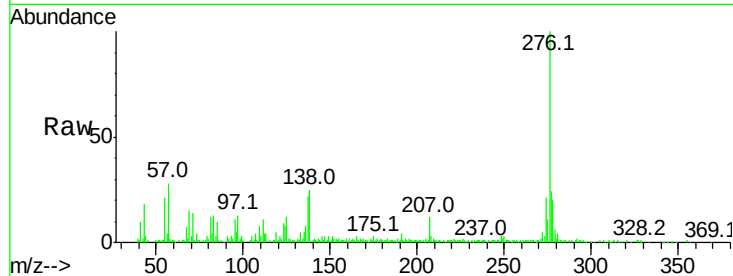
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.882 ng
 RT: 17.01 min Scan# 2537
 Delta R.T. -0.01 min
 Lab File: BF102751.D
 Acq: 5 Feb 2018 21:15

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-6-EW(2-4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.3	25.0	37.6
277	23.5	20.1	30.1

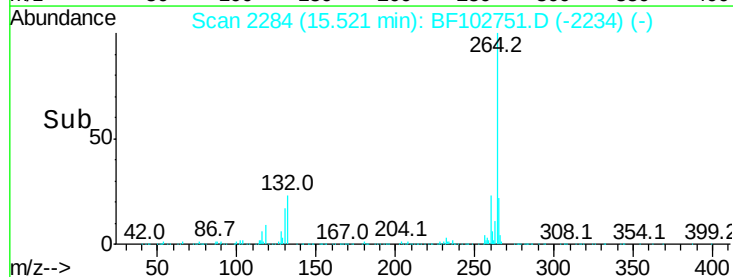
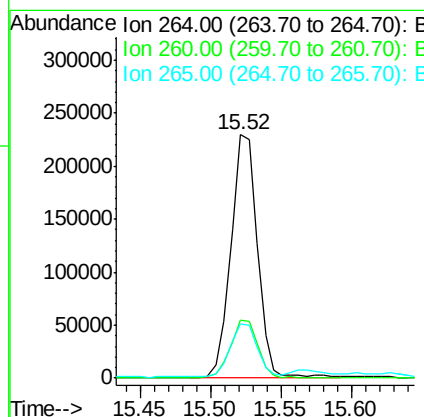
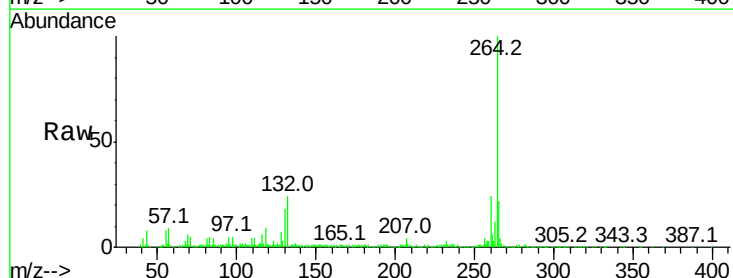
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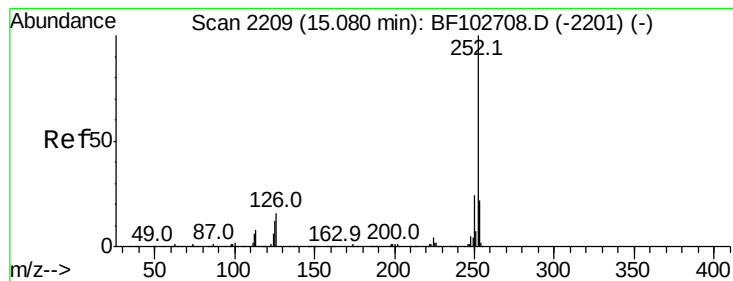
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF102751.D
 Acq: 5 Feb 2018 21:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.3	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 19.406 ng m

RT: 15.09 min Scan# 2211

Delta R.T. -0.00 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

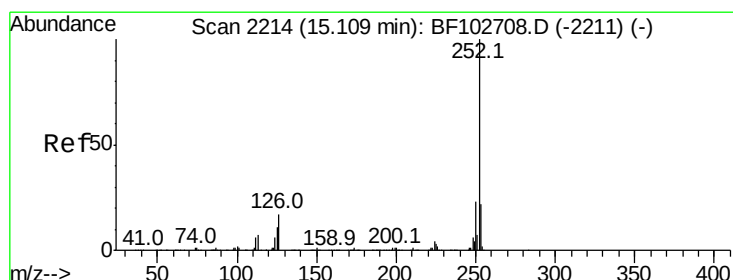
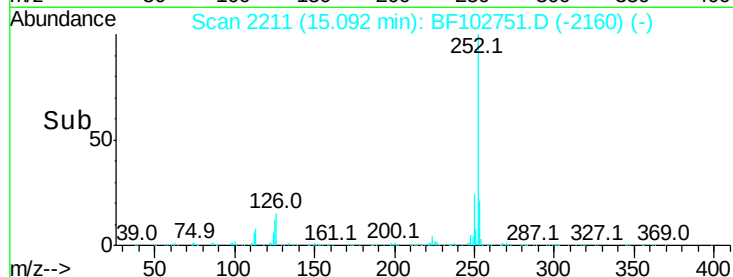
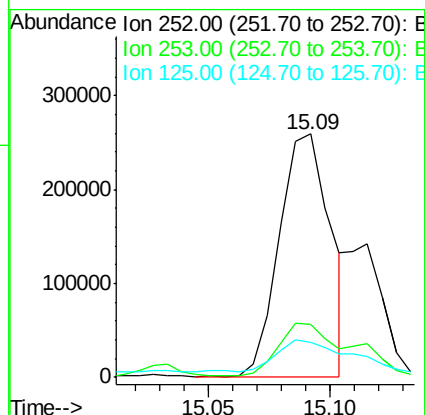
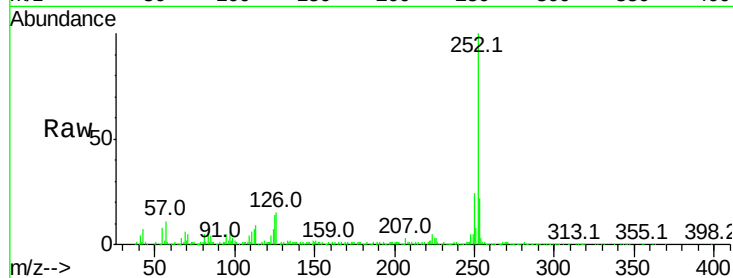
ClientSampleId :

8-SAN-6-EW(2-4)

Tot Ion:	252	Resp:	374987
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.0	25.6
125	14.2	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 7.609 ng m

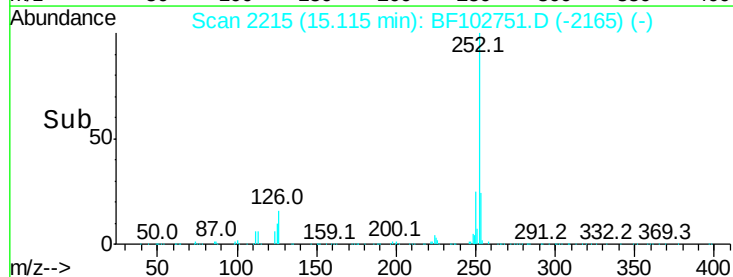
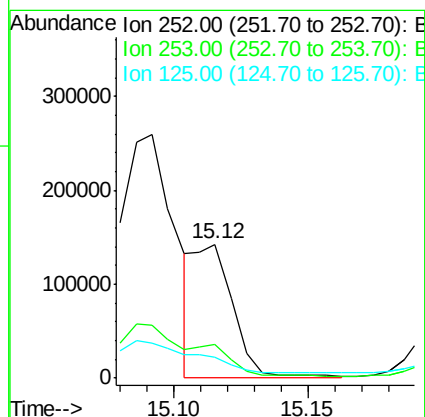
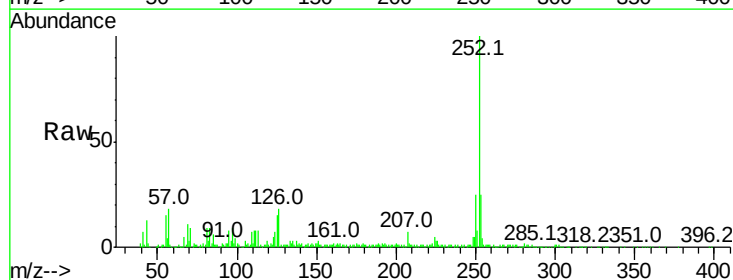
RT: 15.12 min Scan# 2215

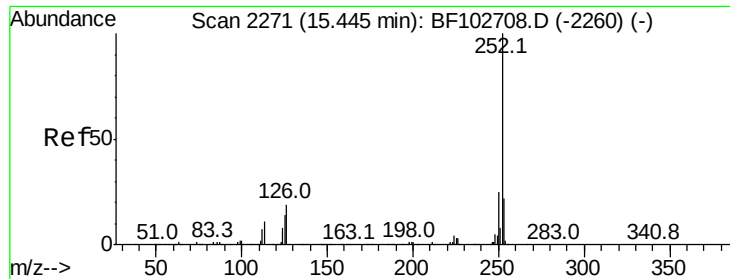
Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Tgt Ion:	252	Resp:	140482
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.9	26.9
125	15.4	10.2	15.2#





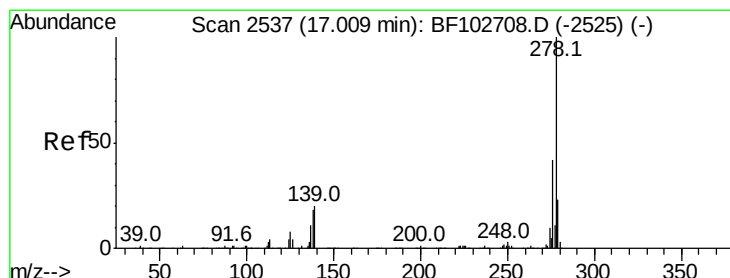
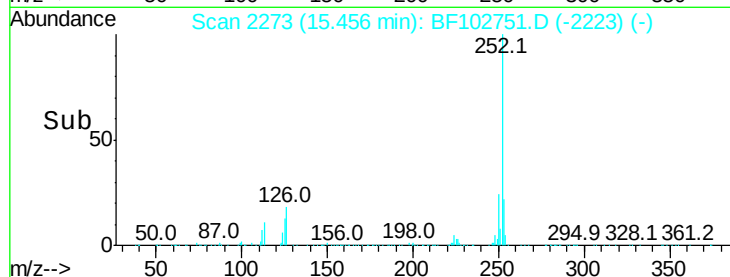
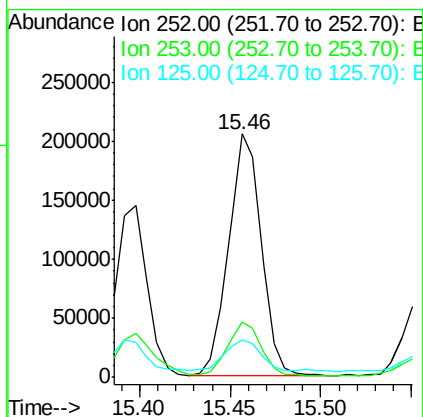
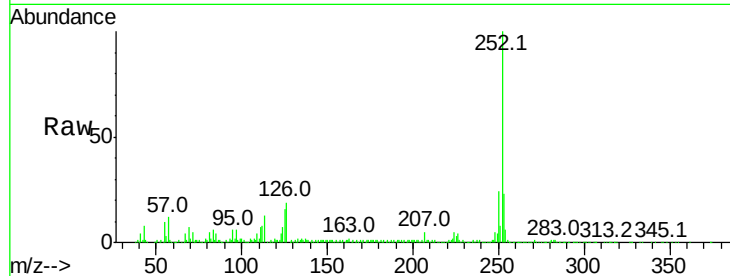
#89
Benzo(a)pyrene
Concen: 14.862 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Instrument :
BNA_F
ClientSampleId :
8-SAN-6-EW(2-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	15.5	9.8	14.6

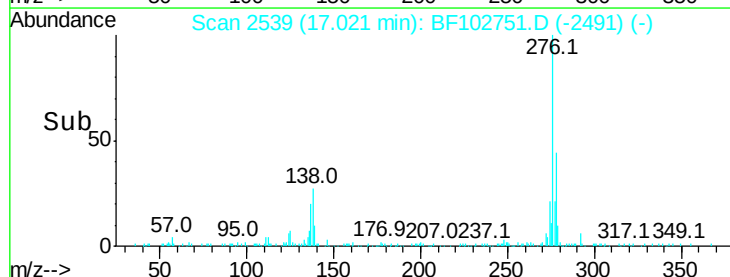
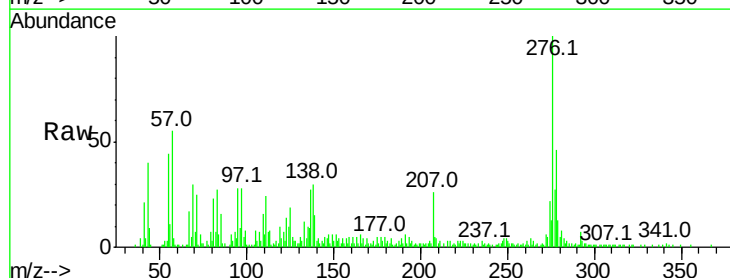
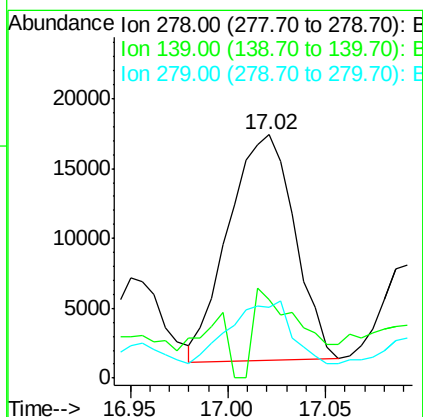
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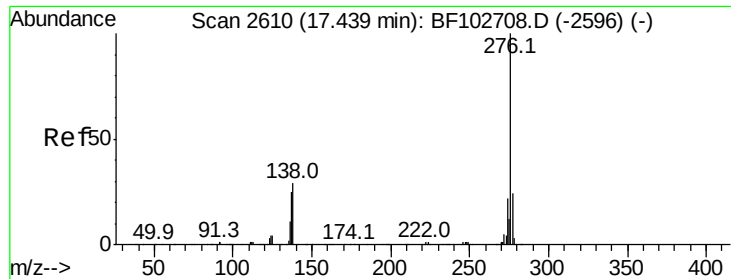
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.682 ng
RT: 17.02 min Scan# 2539
Delta R.T. -0.02 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.2	15.9	23.9
279	29.3	19.0	28.4





#91
Benzo(a,h,i)perylene
Concen: 9.797 ng
RT: 17.46 min Scan# 2614
Delta R.T. -0.01 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Instrument :
BNA_F
ClientSampleId :
8-SAN-6-EW(2-4)

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.0	17.9	26.9
138	29.3	21.8	32.8

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