

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102780.D
 Acq On : 6 Feb 2018 13:30
 Operator : SJ/JU
 Sample : J1454-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-9-EW(4-6)

Manual Integrations
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Sohil
 2/7/2018 4:16:14 PM

Quant Time: Feb 06 19:13:23 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	187307	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	716504	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	266961	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	337246	20.00	ng	0.00
75) Chrysene-d12	14.07	240	232764	20.00	ng	0.02
86) Perylene-d12	15.57	264	274893	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1178054	95.52	ng	0.00
7) Phenol-d6	6.51	99	1386095	93.34	ng	0.00
23) Nitrobenzene-d5	7.45	82	687040	66.52	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	184728	85.97	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1098148	68.26	ng	0.00
78) Terphenyl-d14	13.01	244	563270	57.30	ng	0.01
Target Compounds						
10) Phenol	6.52	94	43862	2.756	ng	76
31) Naphthalene	8.19	128	90446	2.584	ng	# 86
37) 2-Methylnaphthalene	8.88	142	220716	9.630	ng	98
49) Dimethylphthalate	9.63	163	93988	4.515	ng	# 86
57) Fluorene	10.47	166	57094	3.387	ng	# 86
70) Phenanthrene	11.44	178	341246	18.168	ng	96
71) Anthracene	11.49	178	75633	3.959	ng	# 87
74) Fluoranthene	12.64	202	276819	14.649	ng	95
77) Pyrene	12.87	202	272575m	14.934	ng	
80) Benzo(a)anthracene	14.06	228	129917	8.875	ng	# 77
82) Chrysene	14.09	228	130015	8.811	ng	# 86
85) Indeno(1,2,3-cd)pyrene	17.05	276	67983	5.555	ng	95
87) Benzo(b)fluoranthene	15.12	252	146335m	8.211	ng	
88) Benzo(k)fluoranthene	15.14	252	55575m	3.264	ng	
89) Benzo(a)pyrene	15.50	252	107648	6.710	ng	# 52
91) Benzo(g,h,i)perylene	17.51	276	63461	4.979	ng	# 87

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

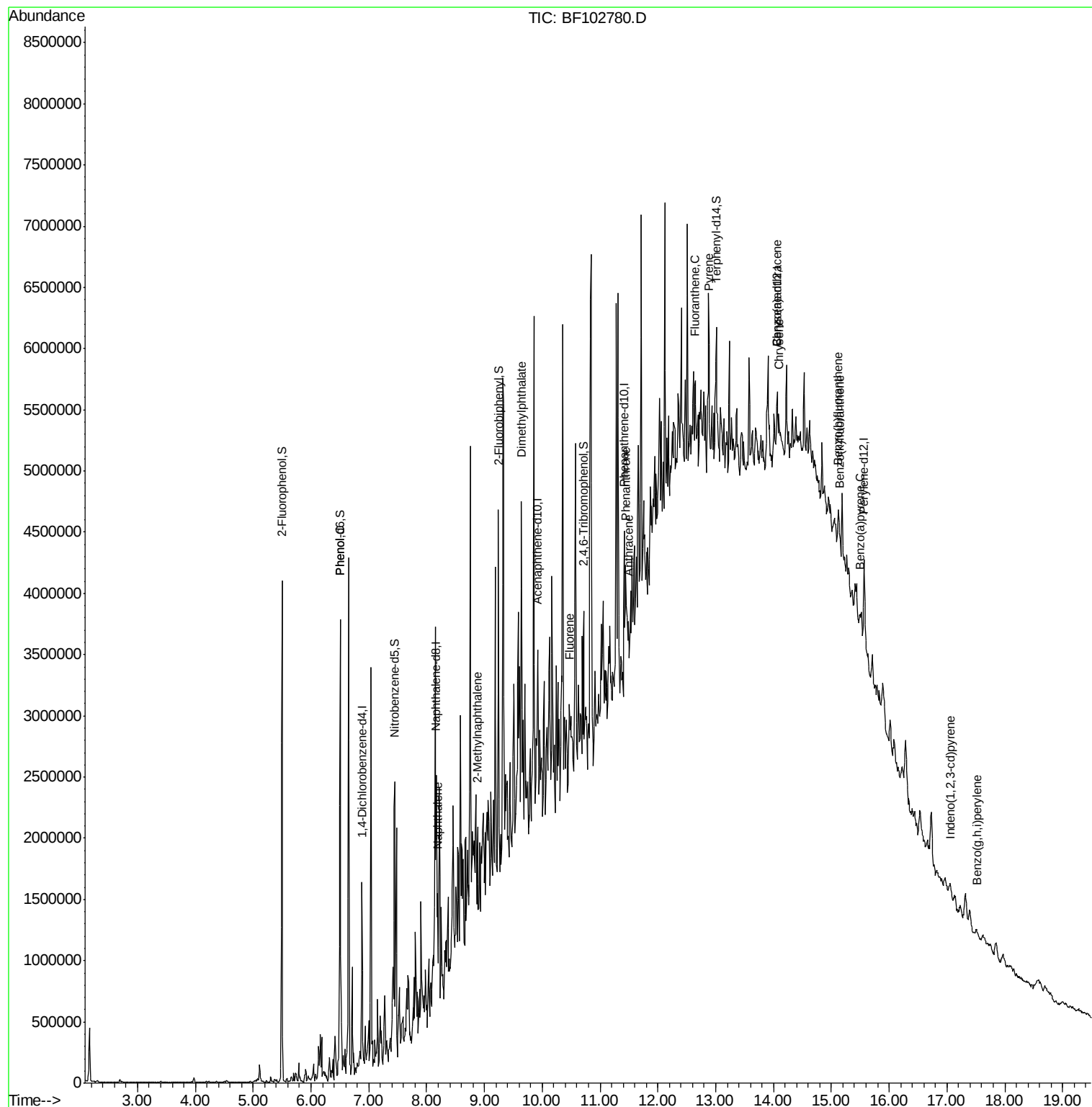
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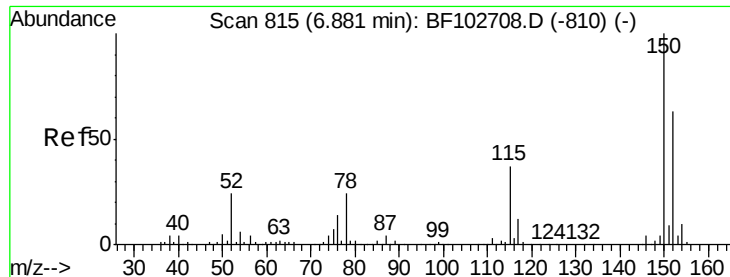
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#1

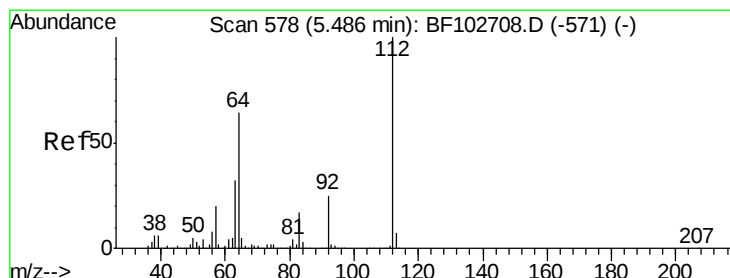
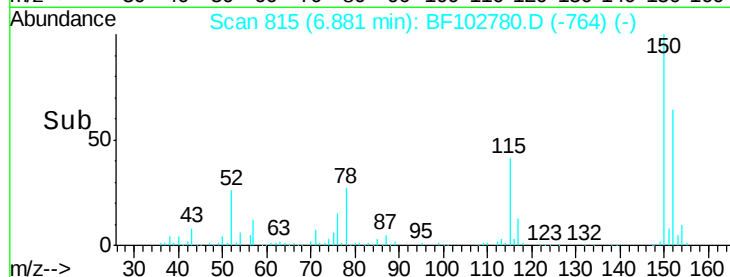
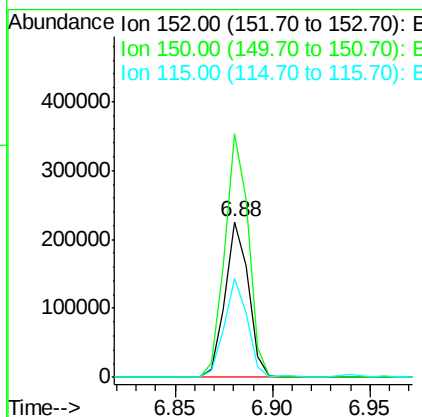
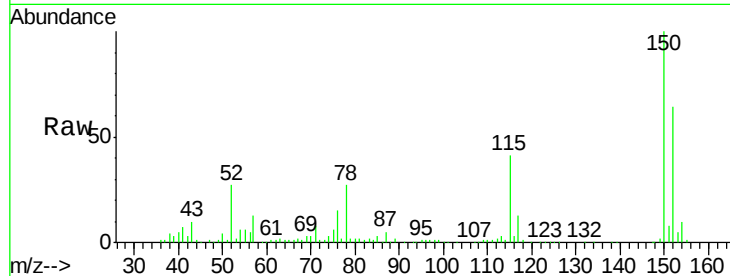
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102780.D
Acq: 6 Feb 2018 13:30

Instrument :
BNA_F
ClientSampleId :
8-SAN-9-EW(4-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	64.1	50.1	75.1

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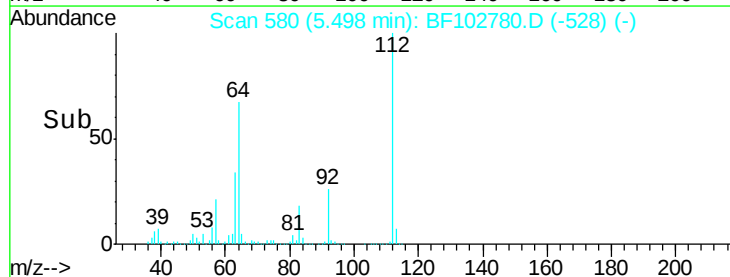
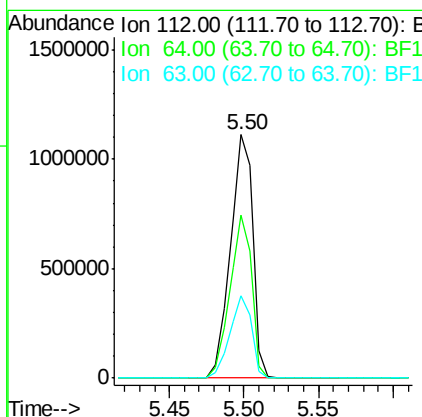
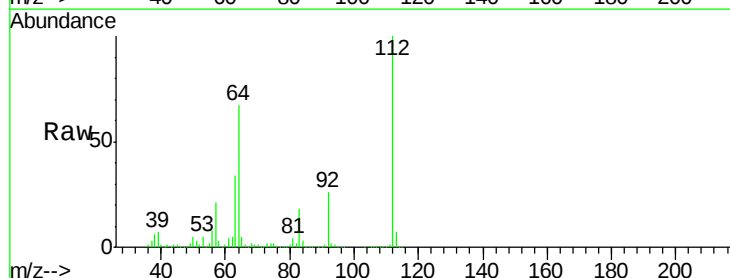
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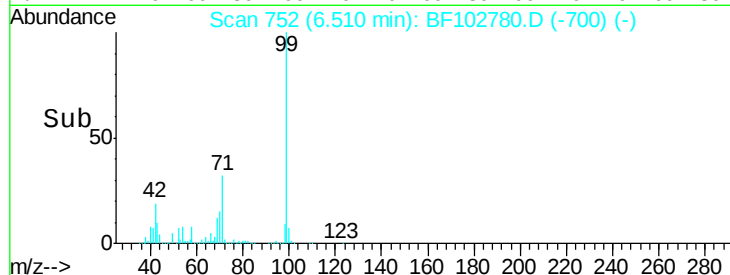
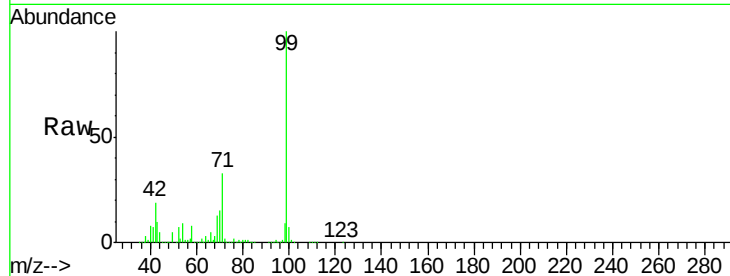


#5

2-Fluorophenol
Concen: 95.515 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102780.D
Acq: 6 Feb 2018 13:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	47.9	71.9
63	33.7	23.7	35.5





#7

Phenol-d6

Concen: 93.336 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102780.D

Acq: 6 Feb 2018 13:30

Tot Ion: 99 Resp: 1386095

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

71 32.5 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

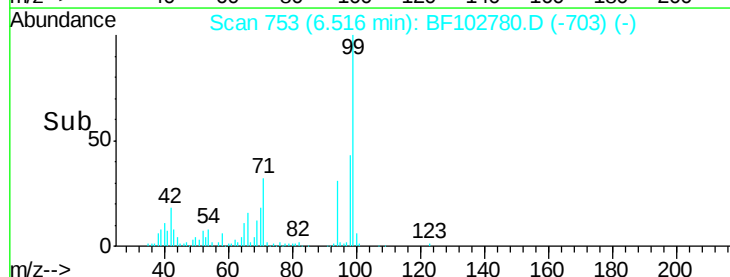
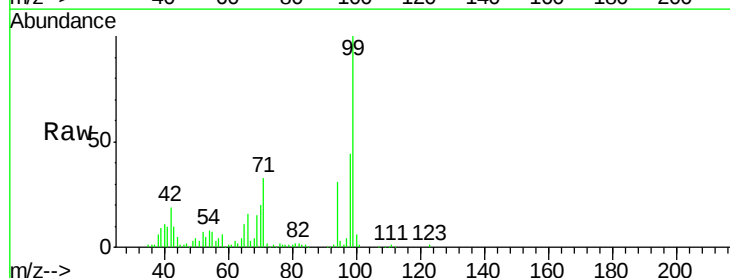
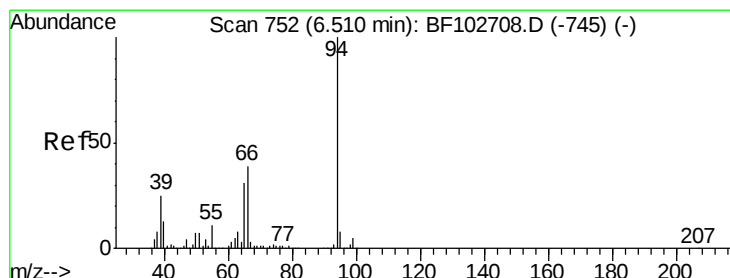
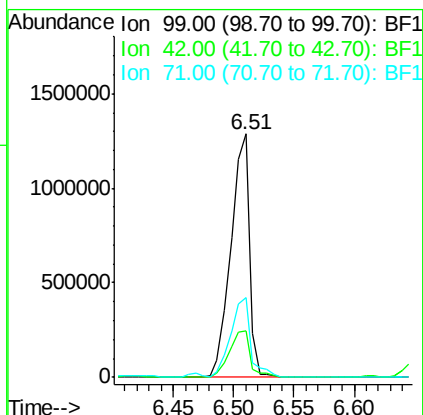
8-SAN-9-EW(4-6)

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#10

Phenol

Concen: 2.756 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102780.D

Acq: 6 Feb 2018 13:30

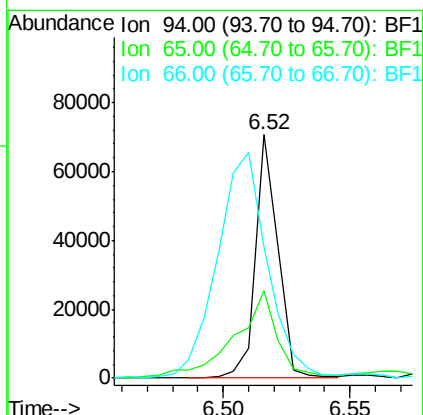
Tgt Ion: 94 Resp: 43862

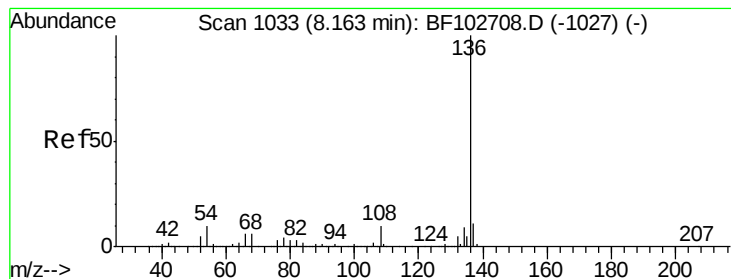
Ion Ratio Lower Upper

94 100

65 36.0 7.9 47.9

66 53.8 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102780.D

Acq: 6 Feb 2018 13:30

Instrument :

BNA_F

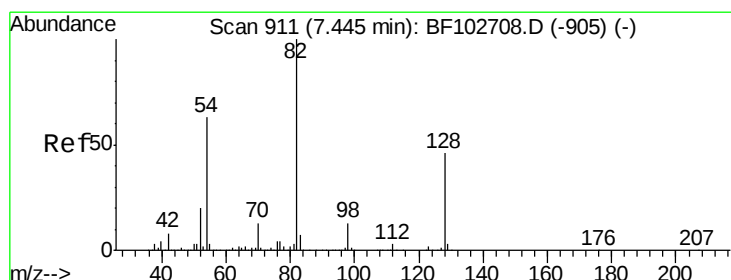
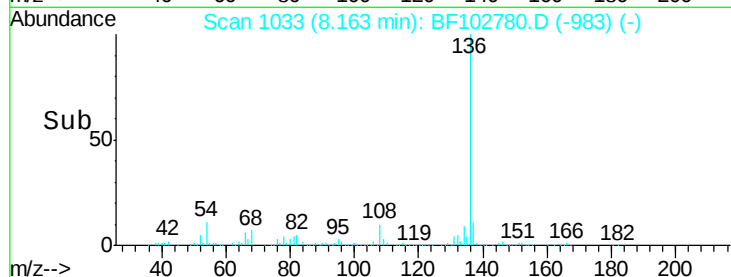
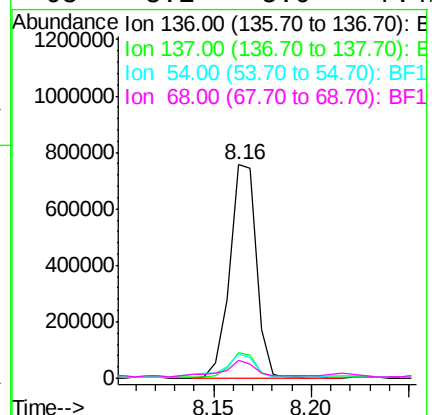
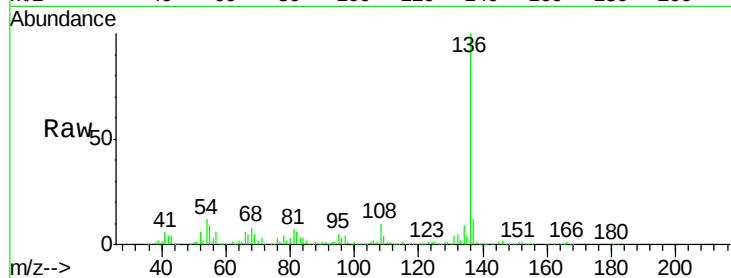
ClientSampleId :

8-SAN-9-EW(4-6)

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.8	8.9	13.3
54	11.6	6.6	9.8#
68	8.1	5.0	7.4#

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#23

Nitrobenzene-d5

Concen: 66.518 ng

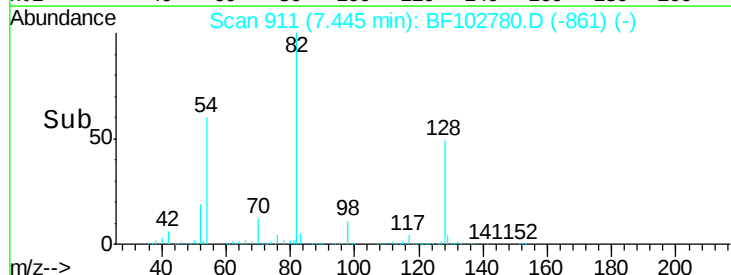
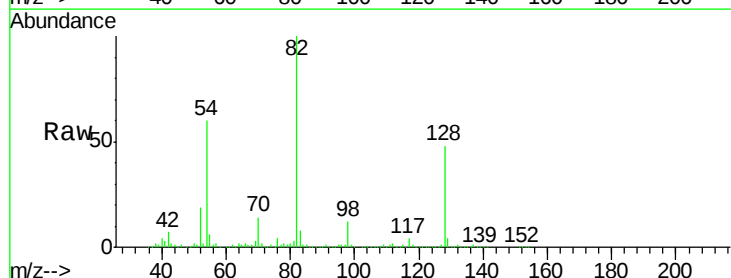
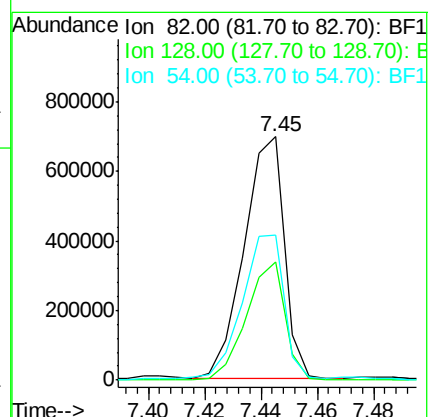
RT: 7.45 min Scan# 911

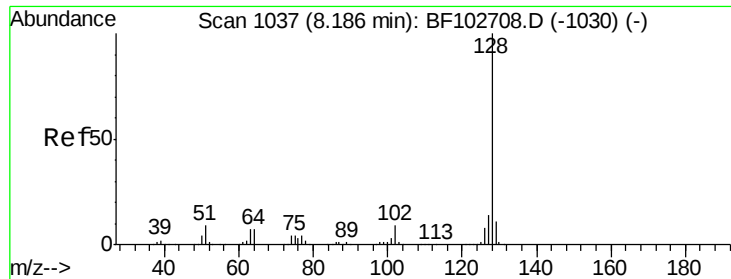
Delta R.T. -0.01 min

Lab File: BF102780.D

Acq: 6 Feb 2018 13:30

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	48.4	36.1	54.1
54	59.7	41.4	62.2





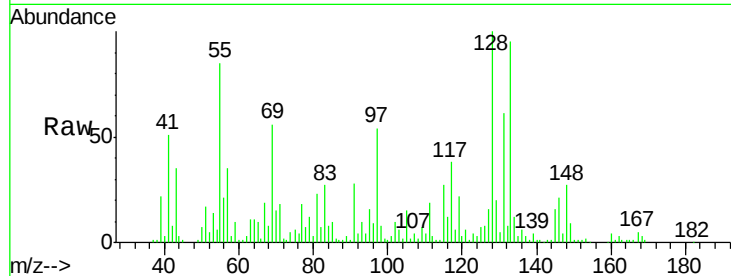
#31
Naphthalene
Concen: 2.584 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF102780.D
Acq: 6 Feb 2018 13:30

Instrument :
BNA_F
ClientSampleId :
8-SAN-9-EW(4-6)

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	20.4	8.8	13.2	
127	15.8	10.9	16.3	

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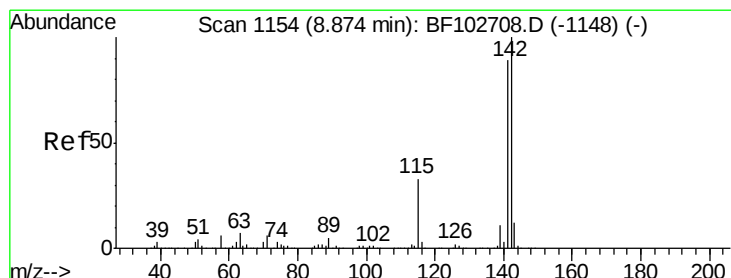
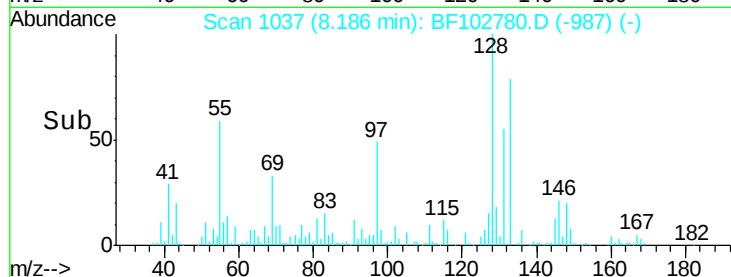
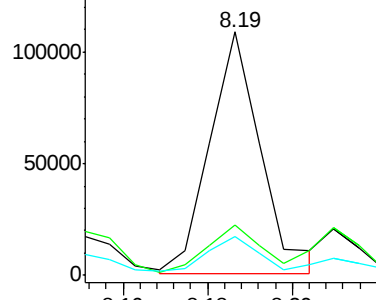


Abundance

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: 9.630 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF102780.D
Acq: 6 Feb 2018 13:30

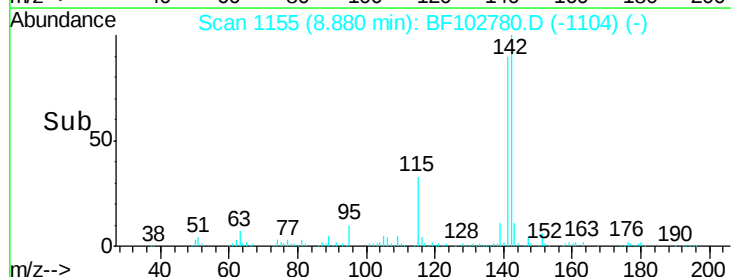
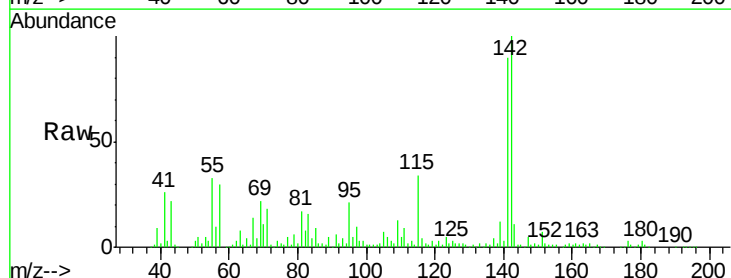
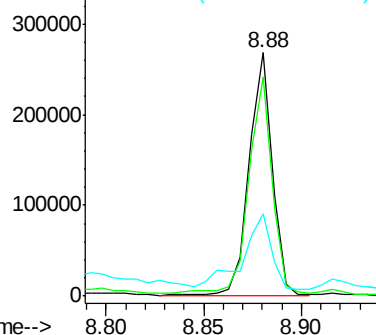
Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	90.3	70.8	106.2	
115	34.0	26.1	39.1	

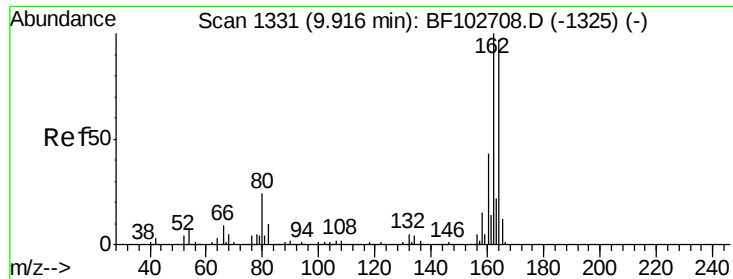
Abundance

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





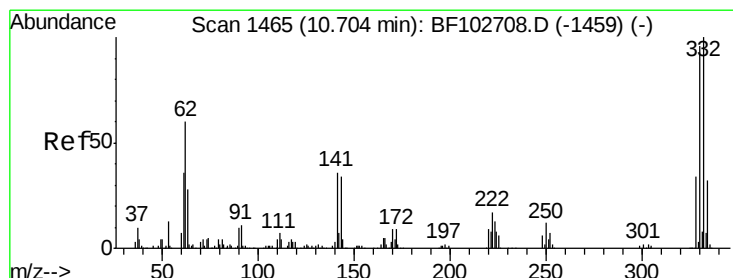
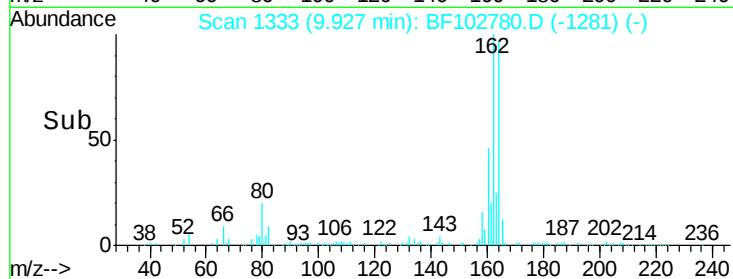
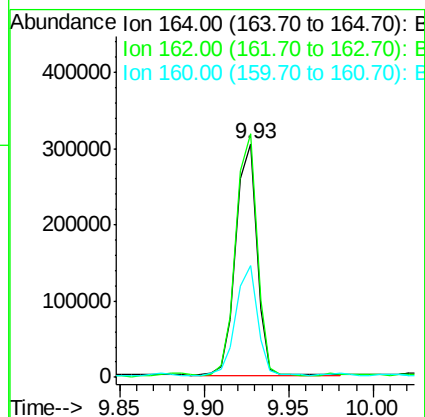
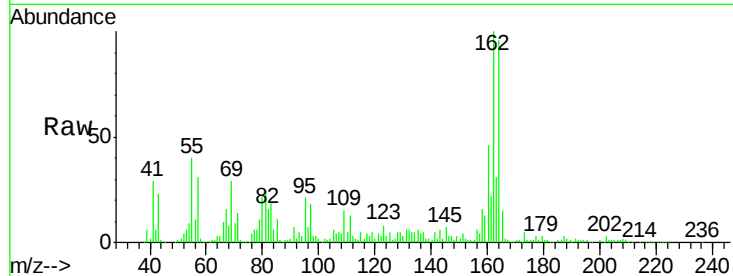
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF102780.D
Acq: 6 Feb 2018 13:30

Instrument :
BNA_F
ClientSampleId :
8-SAN-9-EW(4-6)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.3	86.1	129.1	
160	47.7	38.3	57.5	

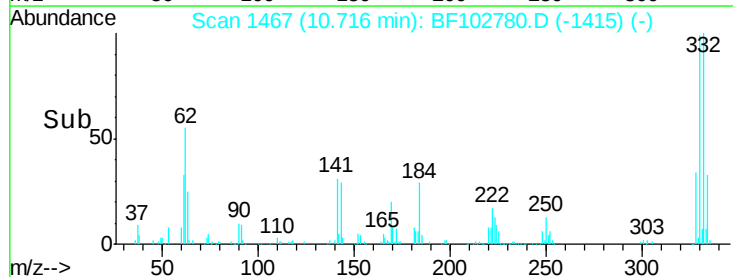
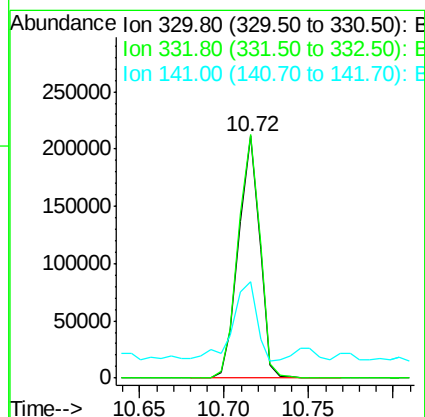
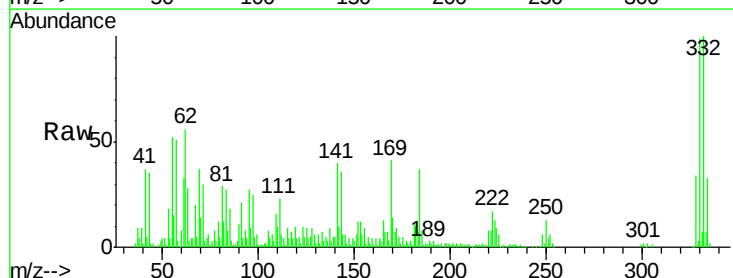
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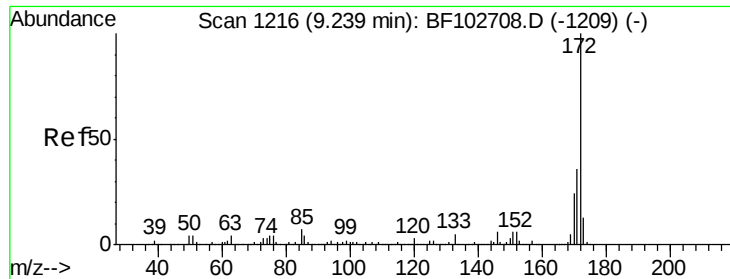
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#41
2,4,6-Tribromophenol
Concen: 85.971 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.01 min
Lab File: BF102780.D
Acq: 6 Feb 2018 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.9	77.0	115.6	
141	34.0	29.9	44.9	





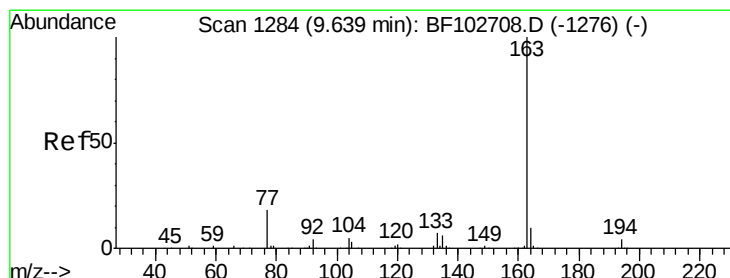
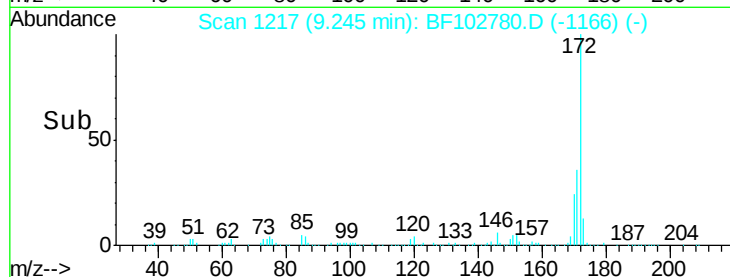
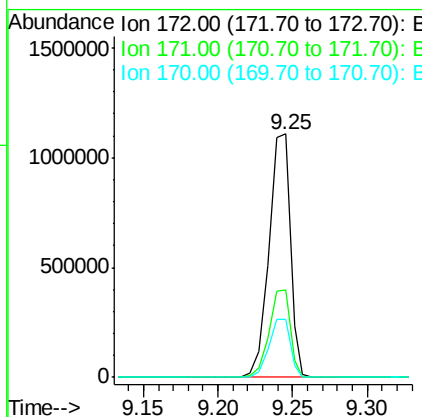
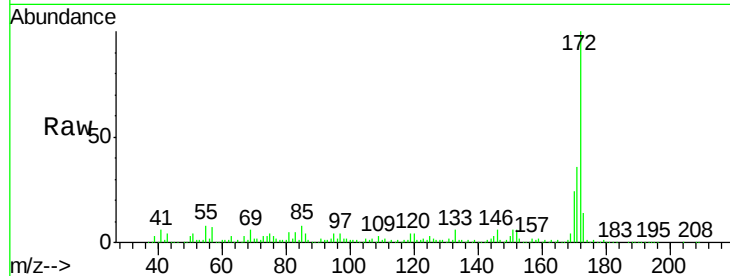
#44
2-Fluorobiphenyl
Concen: 68.258 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.00 min
Lab File: BF102780.D
Acq: 6 Feb 2018 13:30

Instrument :
BNA_F
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8-SAN-9-EW(4-6)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.9	19.6	29.4

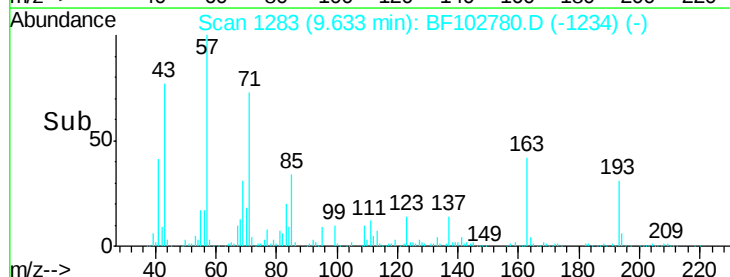
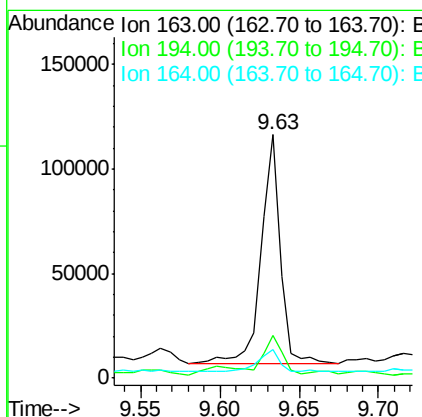
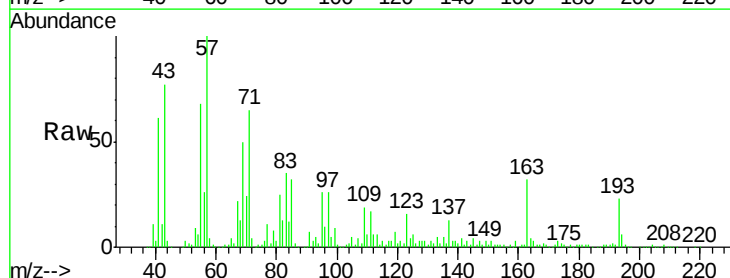
Manual Integrations
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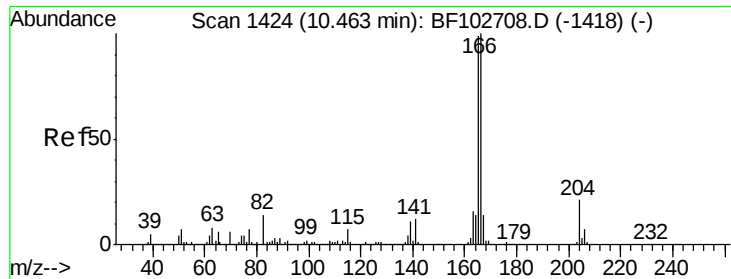
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#49
Dimethylphthalate
Concen: 4.515 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF102780.D
Acq: 6 Feb 2018 13:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	17.5	2.7	4.1#
164	11.9	8.2	12.2





#57

Fluorene

Concen: 3.387 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BF102780.D

Acq: 6 Feb 2018 13:30

Instrument :

BNA_F

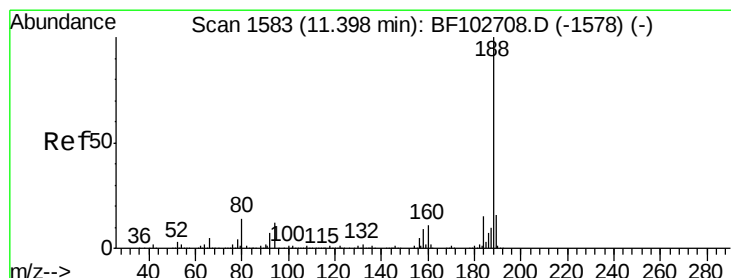
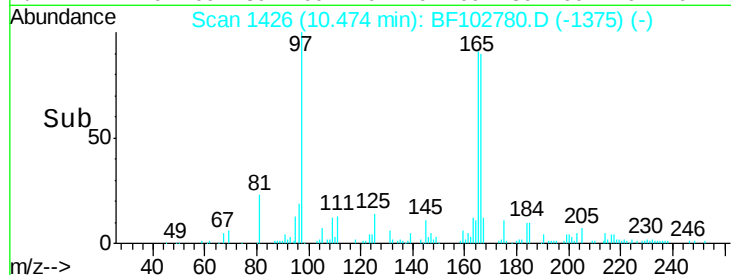
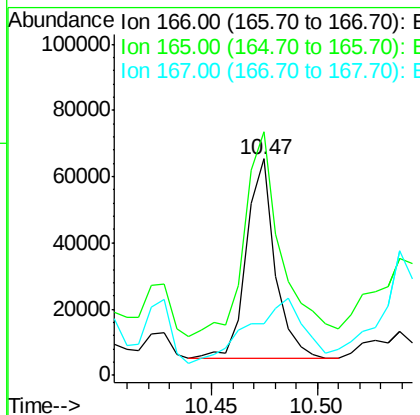
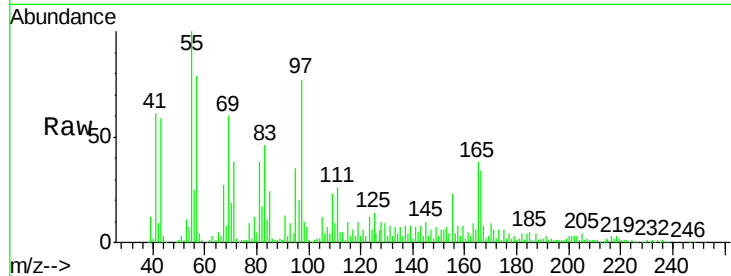
ClientSampleId :

8-SAN-9-EW(4-6)

Tot Ion	Ratio	Lower	Upper
166	100		
165	112.4	79.8	119.8
167	23.7	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

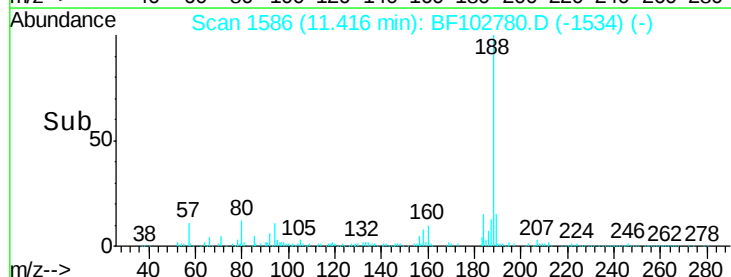
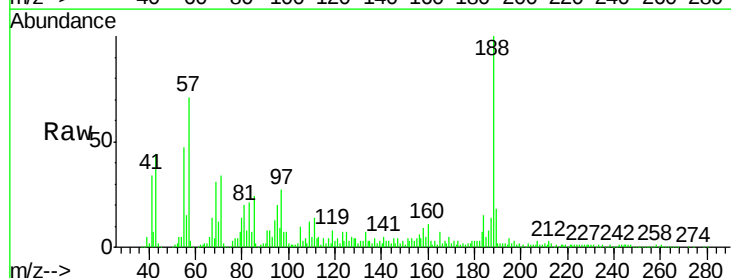
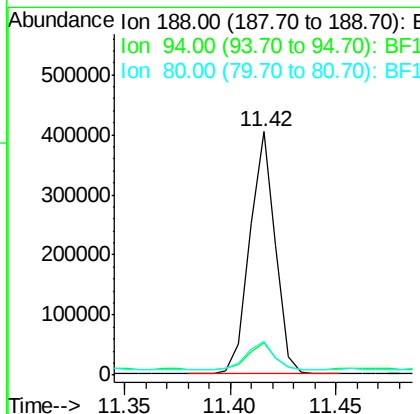
RT: 11.42 min Scan# 1586

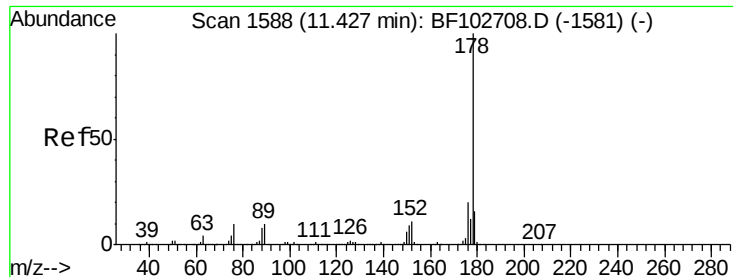
Delta R.T. 0.01 min

Lab File: BF102780.D

Acq: 6 Feb 2018 13:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.3	8.5	12.7
80	13.7	9.2	13.8





#70

Phenanthrene

Concen: 18.168 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.01 min

Lab File: BF102780.D

Acq: 6 Feb 2018 13:30

Instrument :

BNA_F

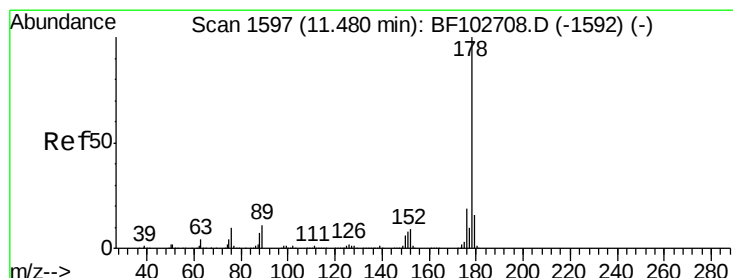
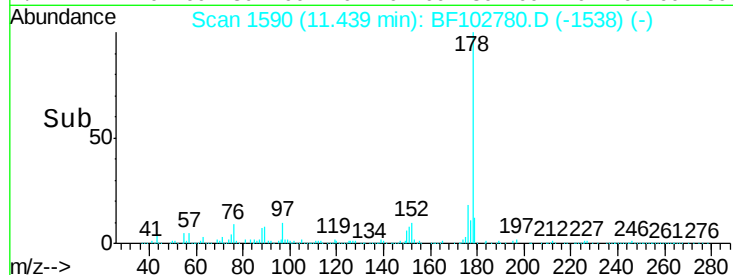
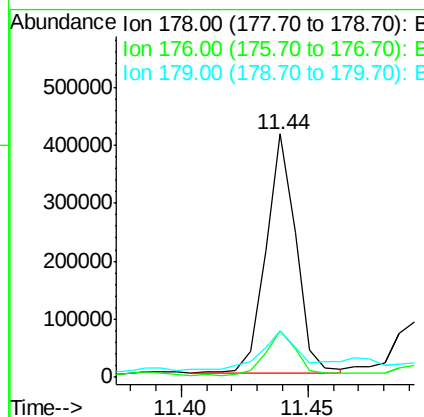
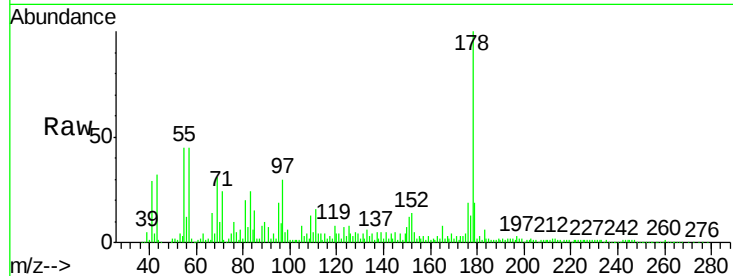
ClientSampleId :

8-SAN-9-EW(4-6)

Tot Ion:178	Resp:	341246
Ion Ratio	Lower	Upper
178	100	
176	19.3	15.8 23.8
179	19.3	13.0 19.6

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#71

Anthracene

Concen: 3.959 ng

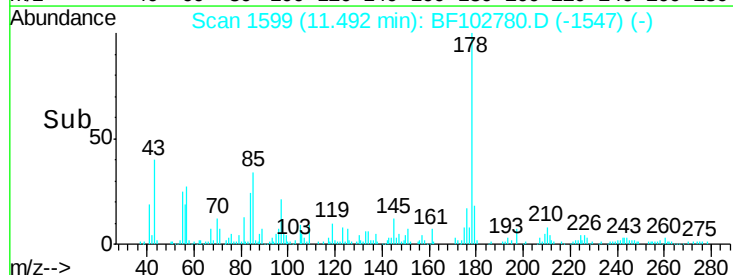
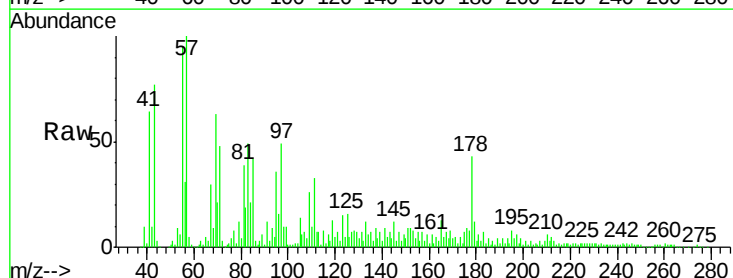
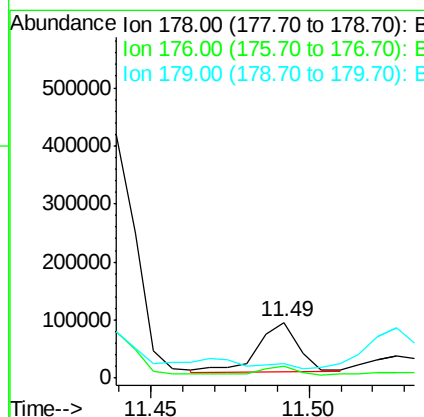
RT: 11.49 min Scan# 1599

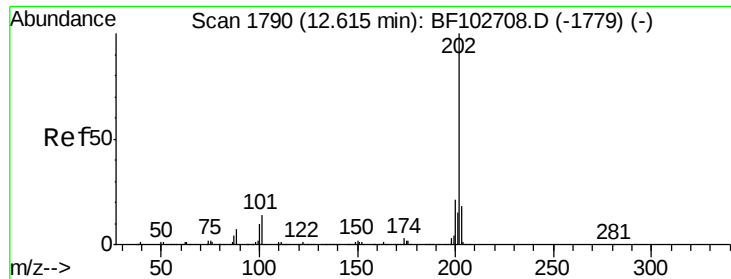
Delta R.T. 0.01 min

Lab File: BF102780.D

Acq: 6 Feb 2018 13:30

Tgt Ion:178	Resp:	75633
Ion Ratio	Lower	Upper
178	100	
176	20.4	15.4 23.2
179	27.0	12.6 19.0#





#74

Fluoranthene

Concen: 14.649 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.02 min

Lab File: BF102780.D

Acq: 6 Feb 2018 13:30

Instrument :

BNA_F

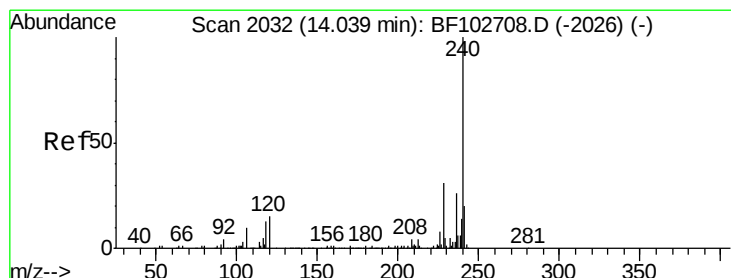
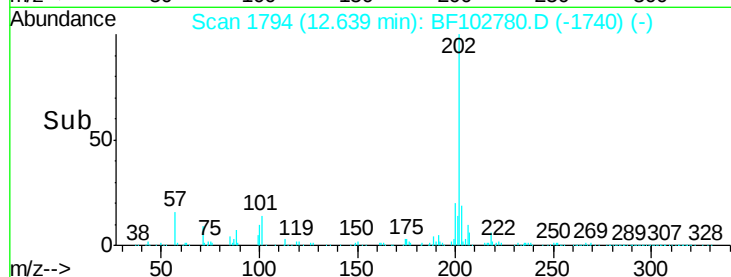
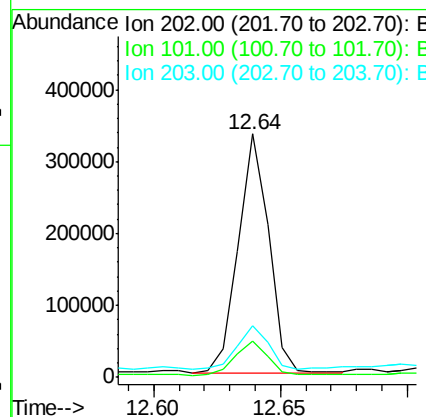
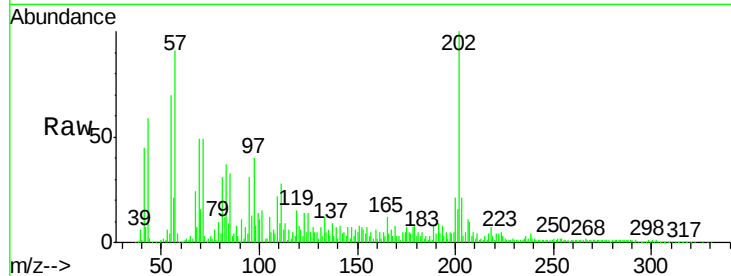
ClientSampleId :

8-SAN-9-EW(4-6)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.0	0.0	34.1
203	21.2	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

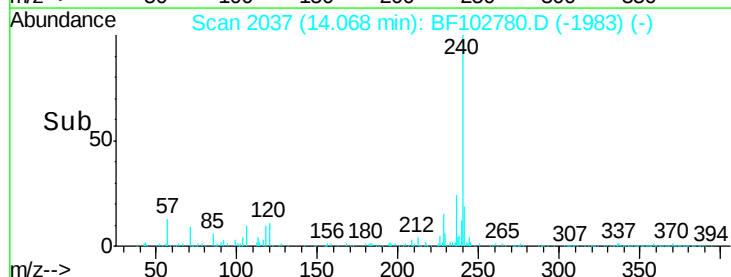
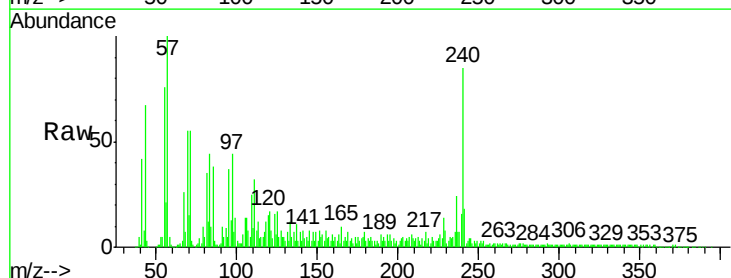
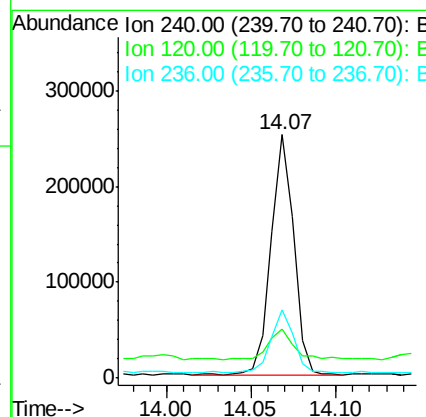
RT: 14.07 min Scan# 2037

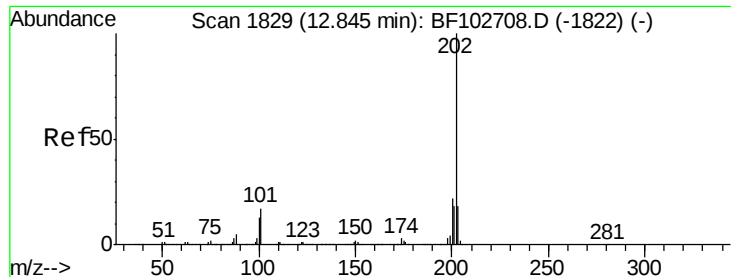
Delta R.T. 0.02 min

Lab File: BF102780.D

Acq: 6 Feb 2018 13:30

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	20.3	9.5	14.3#
236	27.8	20.7	31.1





#77

Pvrene

Concen: 14.934 ng/mL

RT: 12.87 min Scan# 1833

Delta R.T. 0.02 min

Lab File: BF102780.D

Acq: 6 Feb 2018 13:30

Instrument :

BNA_F

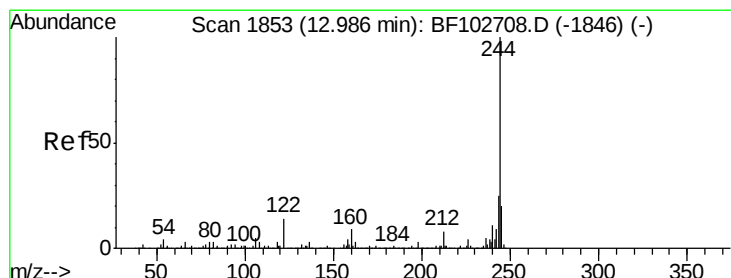
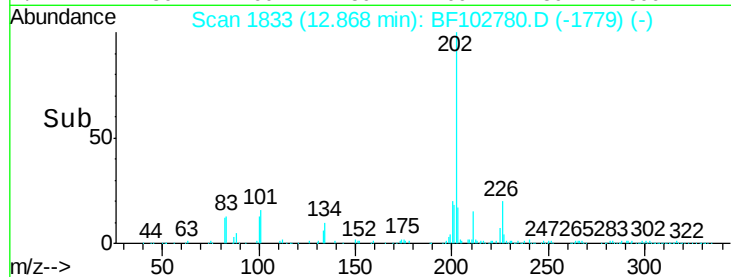
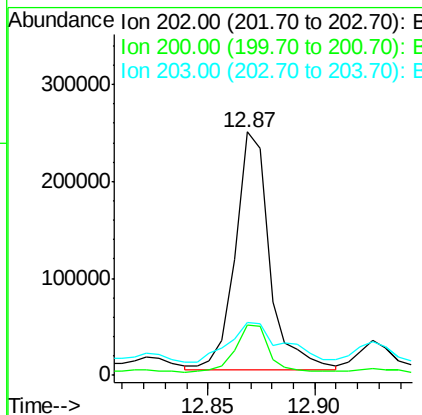
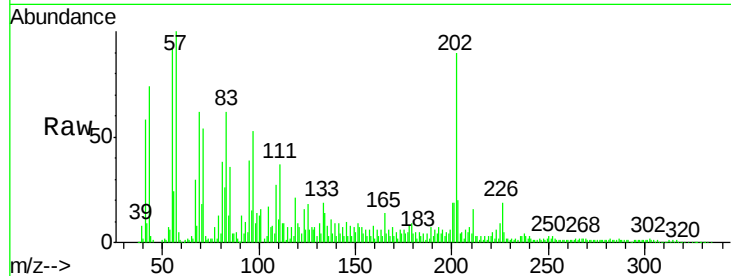
ClientSampleId :

8-SAN-9-EW(4-6)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	17.4	26.2
203	21.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 57.298 ng/mL

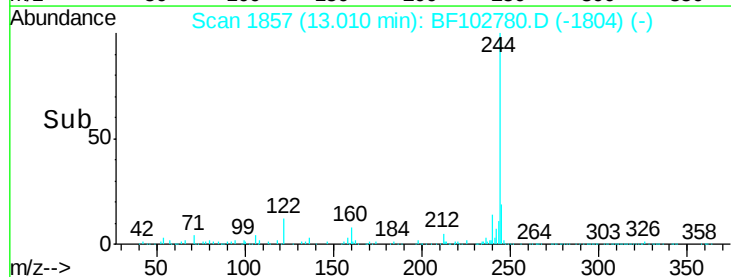
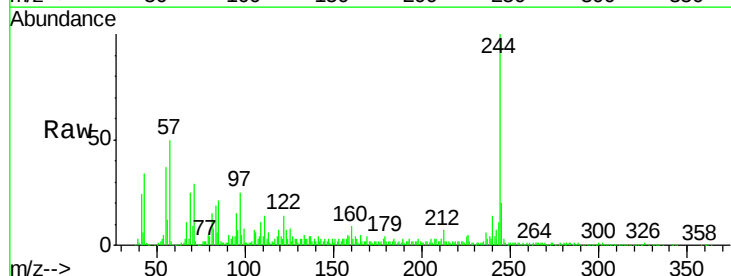
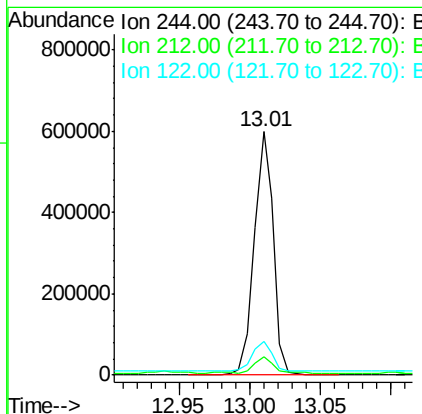
RT: 13.01 min Scan# 1857

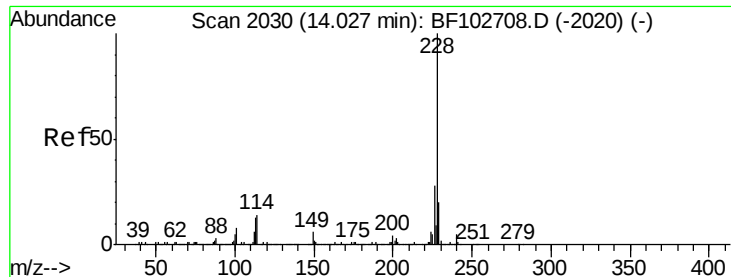
Delta R.T. 0.01 min

Lab File: BF102780.D

Acq: 6 Feb 2018 13:30

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	5.4	8.0
122	14.0	11.0	16.4





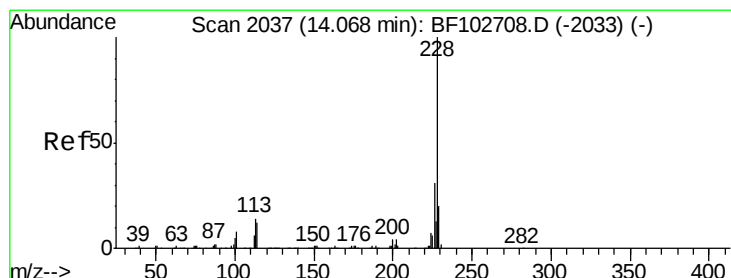
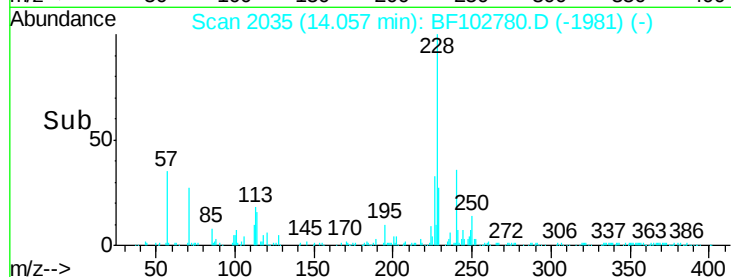
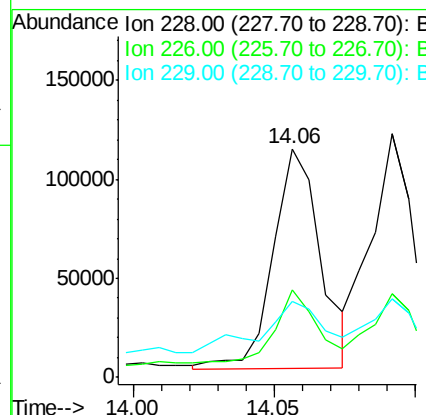
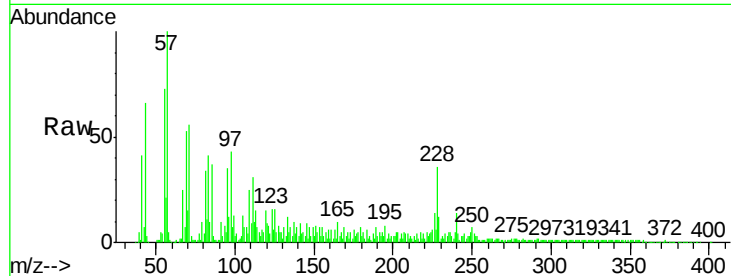
#80
Benzo(a)anthracene
Concen: 8.875 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.02 min
Lab File: BF102780.D
Acq: 6 Feb 2018 13:30

Instrument :
BNA_F
ClientSampleId :
8-SAN-9-EW(4-6)

Tot Ion	Ratio	Lower	Upper
228	100		
226	38.4	22.6	33.8#
229	33.0	15.8	23.6#

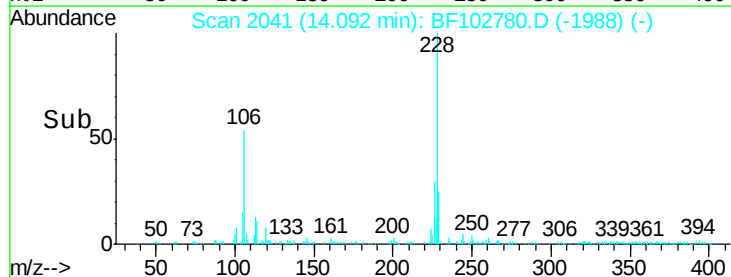
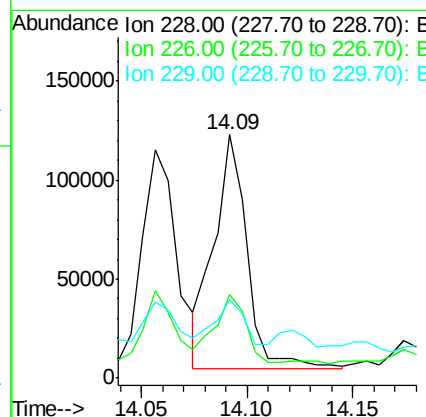
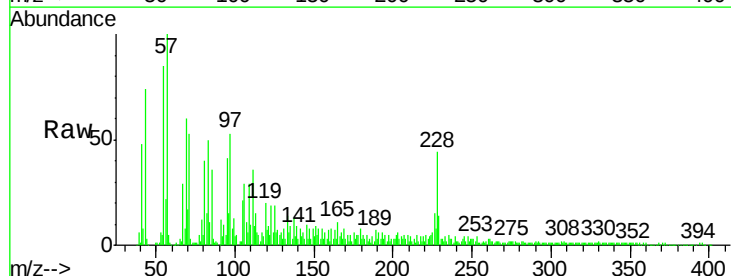
Manual Integrations
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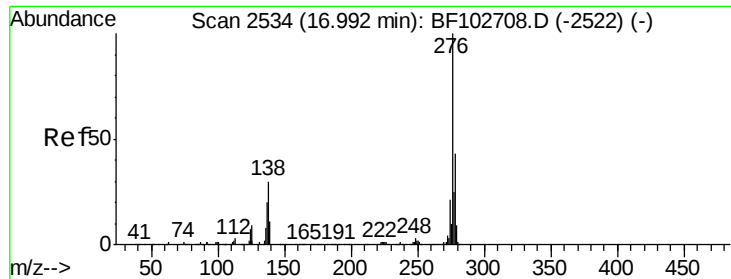
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#82
Chrysene
Concen: 8.811 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BF102780.D
Acq: 6 Feb 2018 13:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.4	25.0	37.6
229	32.3	16.2	24.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.555 ng

RT: 17.05 min Scan# 2544

Delta R.T. 0.04 min

Lab File: BF102780.D

Acq: 6 Feb 2018 13:30

Instrument :

BNA_F

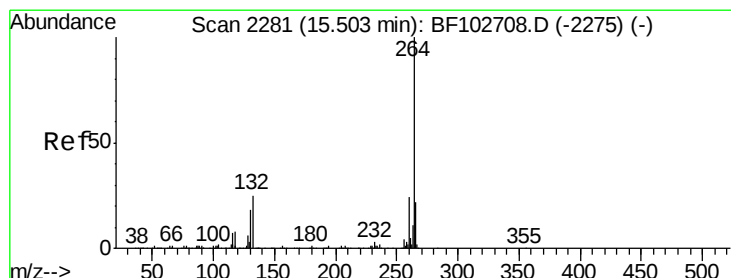
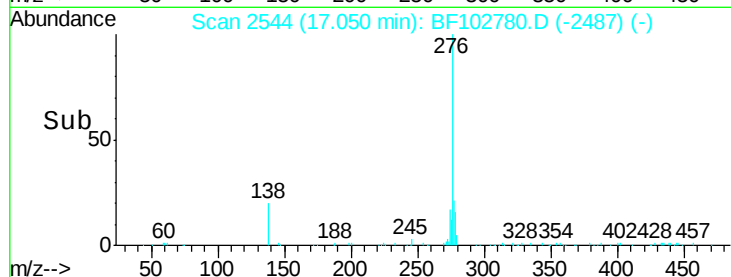
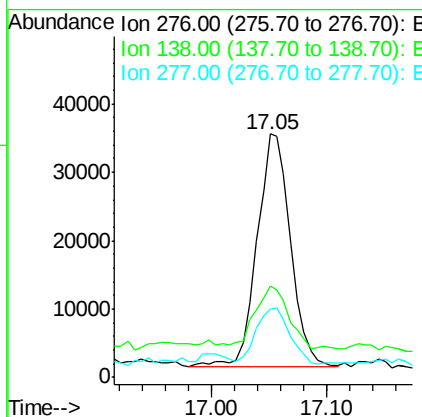
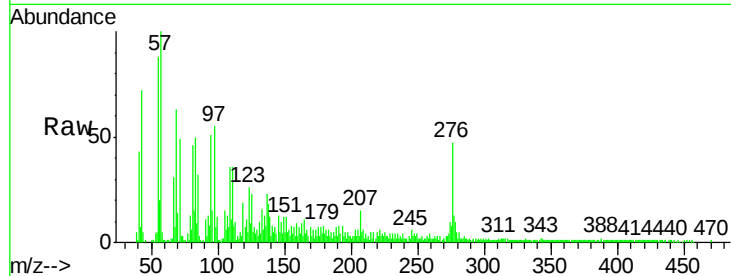
ClientSampleId :

8-SAN-9-EW(4-6)

Tot Ion:	276	Resp:	67983
Ion Ratio	Lower	Upper	
276	100		
138	27.3	25.0	37.6
277	24.0	20.1	30.1

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

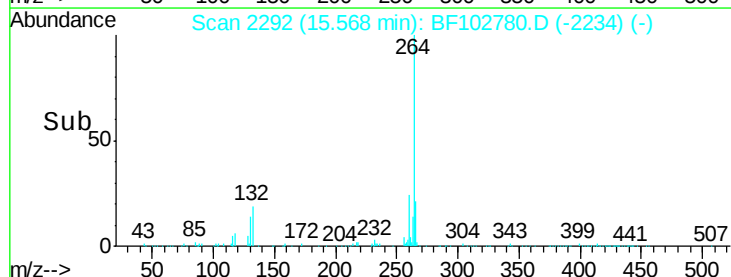
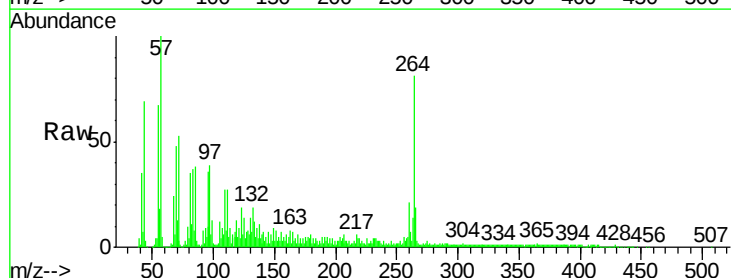
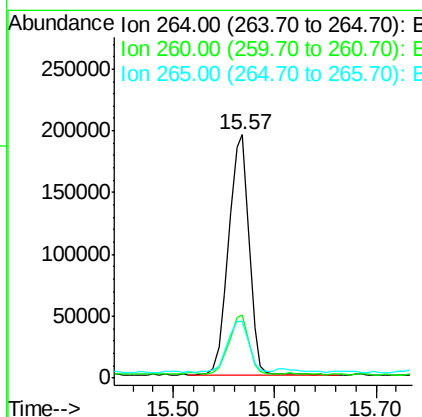
RT: 15.57 min Scan# 2292

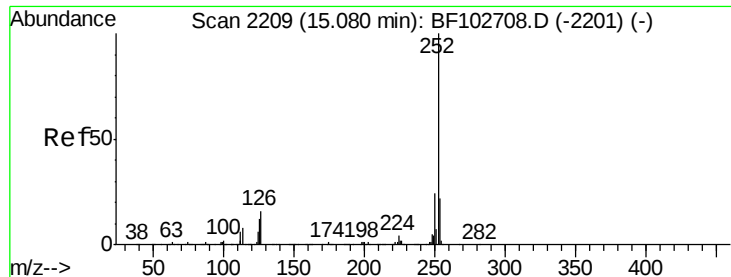
Delta R.T. 0.04 min

Lab File: BF102780.D

Acq: 6 Feb 2018 13:30

Tgt Ion:	264	Resp:	274893
Ion Ratio	Lower	Upper	
264	100		
260	26.0	19.2	28.8
265	23.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 8.211 ng m

RT: 15.12 min Scan# 2216

Delta R.T. 0.03 min

Lab File: BF102780.D

Acq: 6 Feb 2018 13:30

Instrument :

BNA_F

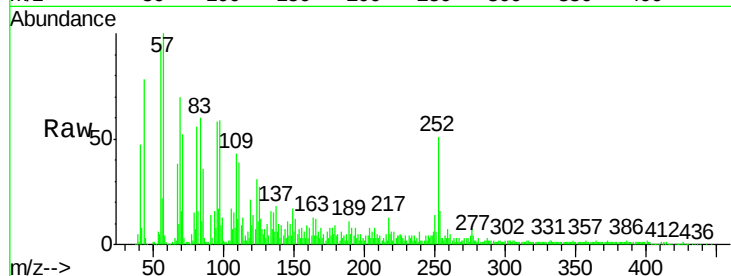
ClientSampleId :

8-SAN-9-EW(4-6)

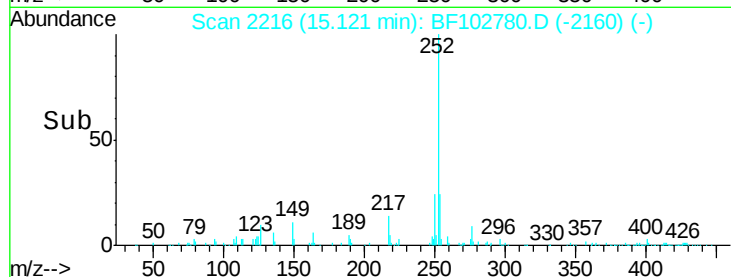
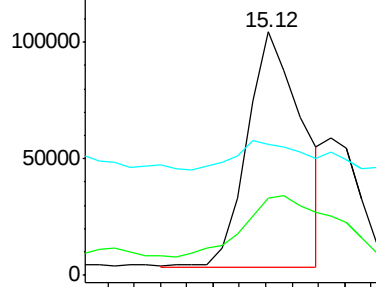
Tot Ion:	252	Resp:	146335
Ion Ratio	Lower	Upper	
252	100		
253	31.7	17.0	25.6#
125	53.9	9.0	13.6#

Manual Integrations
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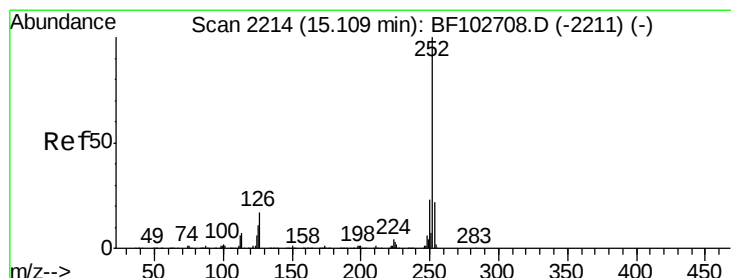
Sohil
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->



#88

Benzo(k)fluoranthene

Concen: 3.264 ng m

RT: 15.14 min Scan# 2220

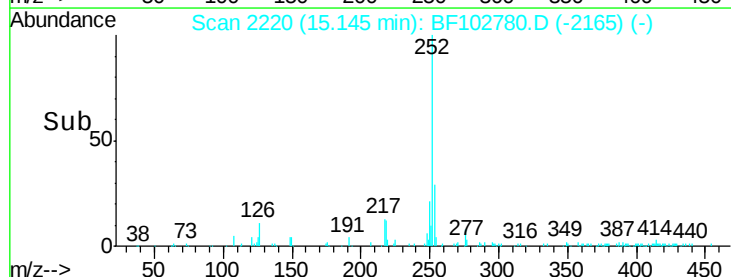
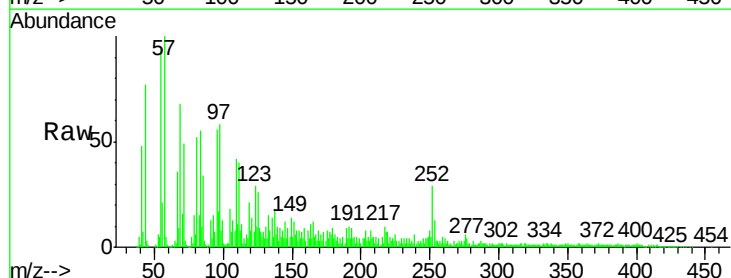
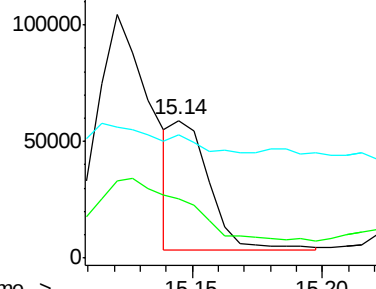
Delta R.T. 0.02 min

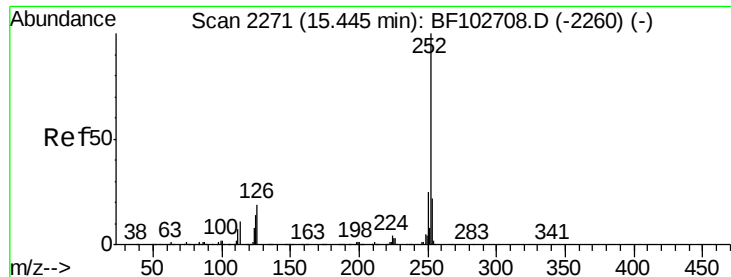
Lab File: BF102780.D

Acq: 6 Feb 2018 13:30

Tgt Ion:	252	Resp:	55575
Ion Ratio	Lower	Upper	
252	100		
253	43.2	17.9	26.9#
125	89.9	10.2	15.2#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





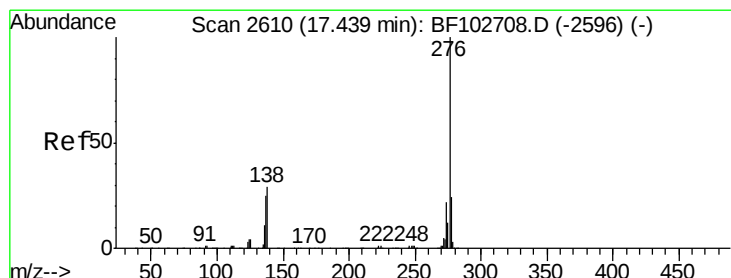
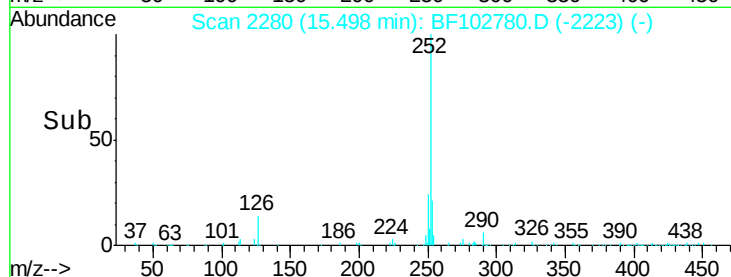
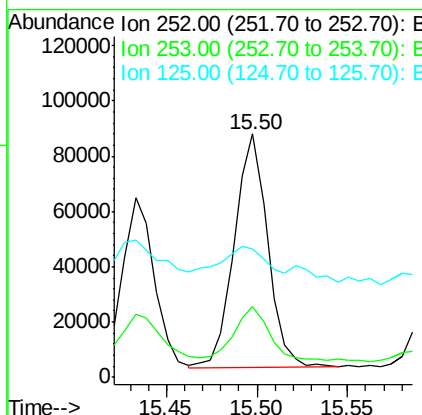
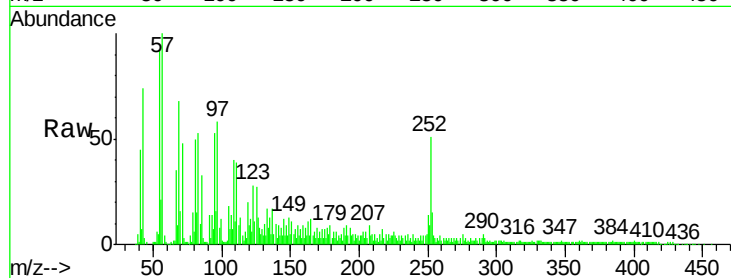
#89
Benzo(a)pyrene
Concen: 6.710 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.04 min
Lab File: BF102780.D
Acq: 6 Feb 2018 13:30

Instrument :
BNA_F
ClientSampleId :
8-SAN-9-EW(4-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.1	17.1	25.7#
125	52.8	9.8	14.6#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.979 ng
RT: 17.51 min Scan# 2622
Delta R.T. 0.04 min
Lab File: BF102780.D
Acq: 6 Feb 2018 13:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.4	17.9	26.9#
138	34.7	21.8	32.8#

