

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102748.D
 Acq On : 5 Feb 2018 19:54
 Operator : SJ/JU
 Sample : J1456-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-9-WW(1-4)

Manual Integrations
 APPROVED

Sohil
 2/6/2018 2:25:44 PM

Quant Time: Feb 06 11:31:23 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	199213	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	848324	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	359902	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	498085	20.00	ng	0.00
75) Chrysene-d12	14.06	240	265455	20.00	ng	0.00
86) Perylene-d12	15.54	264	286744	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1490129	113.60	ng	0.00
7) Phenol-d6	6.51	99	1756392	111.20	ng	0.00
23) Nitrobenzene-d5	7.45	82	908745	74.31	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	316521	109.27	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1501811	69.24	ng	0.00
78) Terphenyl-d14	13.00	244	847878	75.63	ng	0.00
Target Compounds						
10) Phenol	6.52	94	48213	2.848	ng	# 69
31) Naphthalene	8.19	128	86922	2.097	ng	# 96
32) Benzoic acid	7.93	122	9973	9.687	ng	# 78
37) 2-Methylnaphthalene	8.87	142	68838	2.537	ng	# 98
49) Dimethylphthalate	9.63	163	141895	5.056	ng	# 98
57) Fluorene	10.46	166	51361	2.260	ng	# 91
70) Phenanthrene	11.43	178	313504	11.301	ng	# 99
71) Anthracene	11.48	178	58841m	2.086	ng	
74) Fluoranthene	12.63	202	261015	9.352	ng	97
77) Pyrene	12.86	202	248160	11.922	ng	98
80) Benzo(a)anthracene	14.04	228	83565m	5.006	ng	
82) Chrysene	14.08	228	93547m	5.559	ng	
83) Bis(2-ethylhexyl)phthalate	14.03	149	35969	2.821	ng	# 76
85) Indeno(1,2,3-cd)pyrene	17.03	276	50460	3.615	ng	96
87) Benzo(b)fluoranthene	15.10	252	105418m	5.670	ng	
88) Benzo(k)fluoranthene	15.13	252	43370m	2.442	ng	
91) Benzo(a,h,i)perylene	17.49	276	50593	3.806	ng	# 93

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

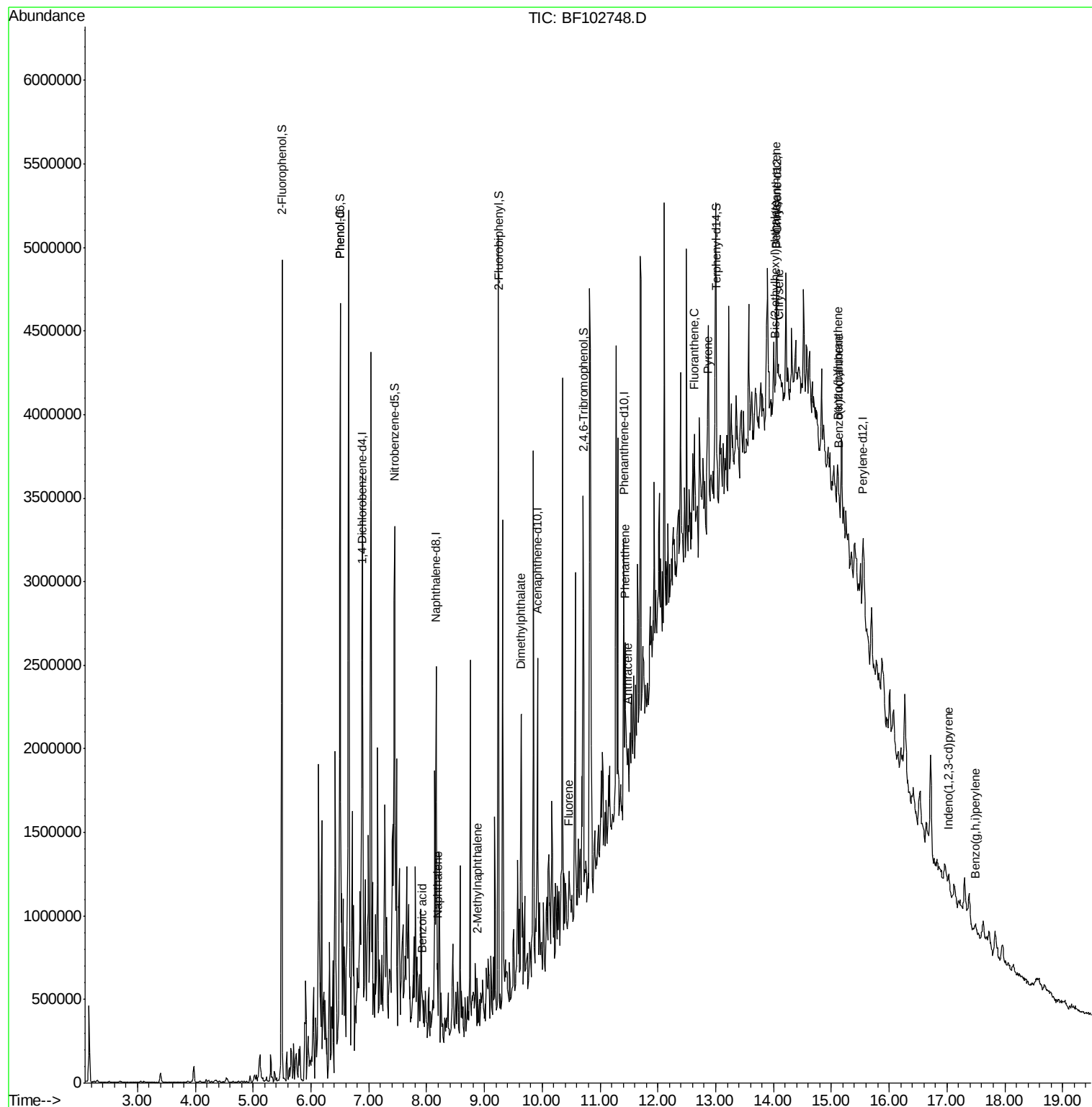
Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
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ALS Vial : 23 Sample Multiplier: 1

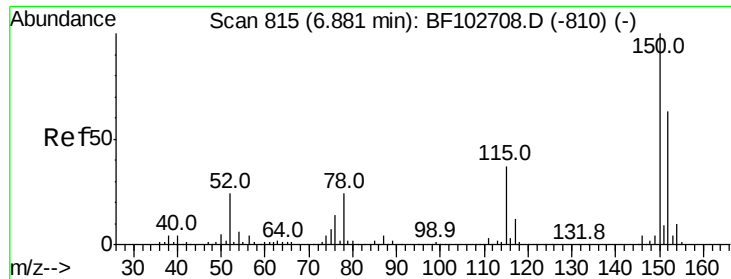
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ClientSampleId :
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#1

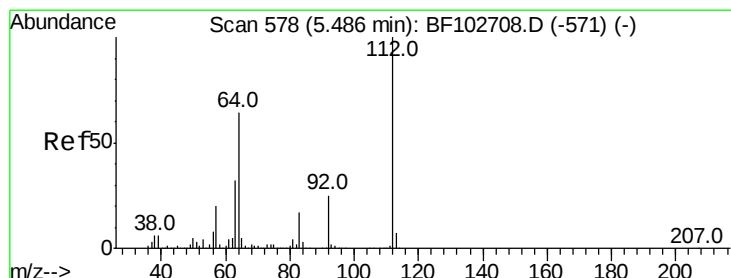
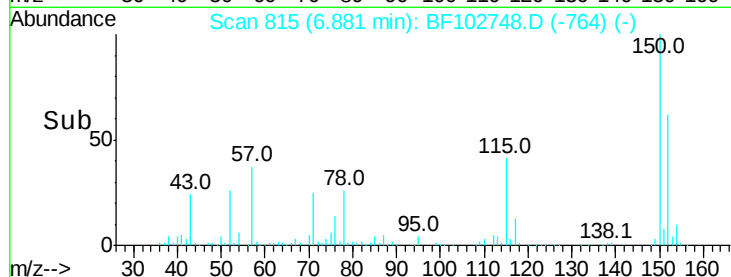
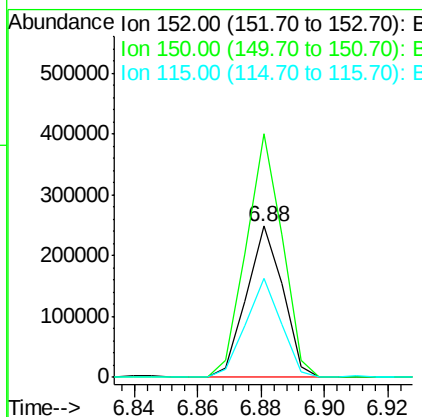
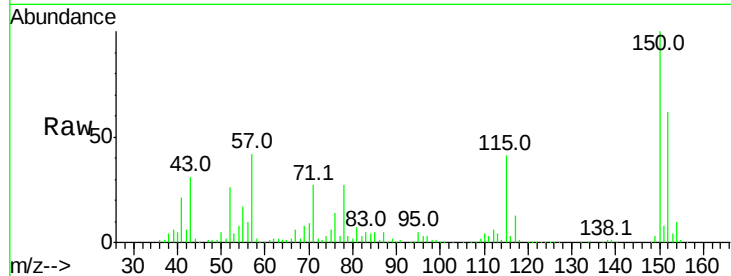
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102748.D
Acq: 5 Feb 2018 19:54

Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	124.6	186.8
115	65.2	50.1	75.1

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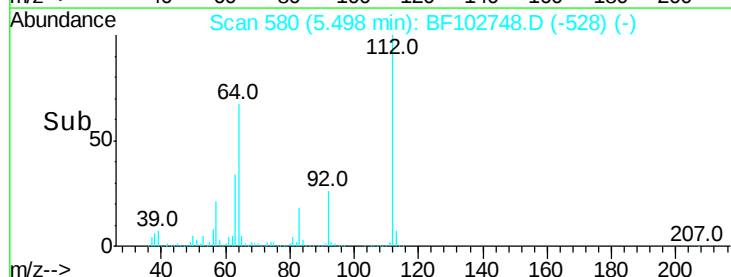
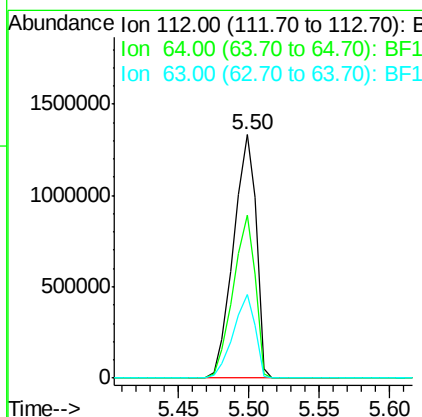
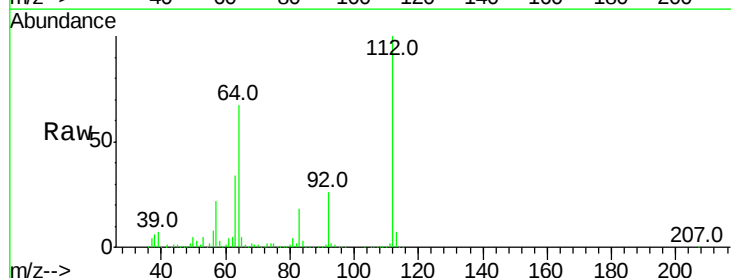
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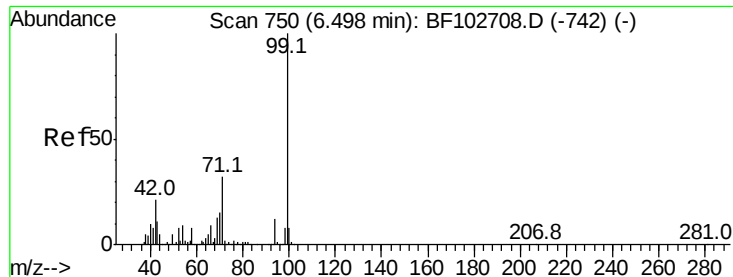


#5

2-Fluorophenol
Concen: 113.597 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102748.D
Acq: 5 Feb 2018 19:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	47.9	71.9
63	34.1	23.7	35.5





#7

Phenol-d6

Concen: 111.203 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102748.D

Acq: 5 Feb 2018 19:54

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)

Tot Ion: 99 Resp: 1756392

Ion Ratio Lower Upper

99 100

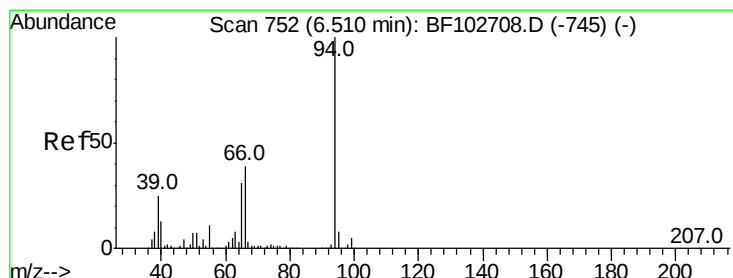
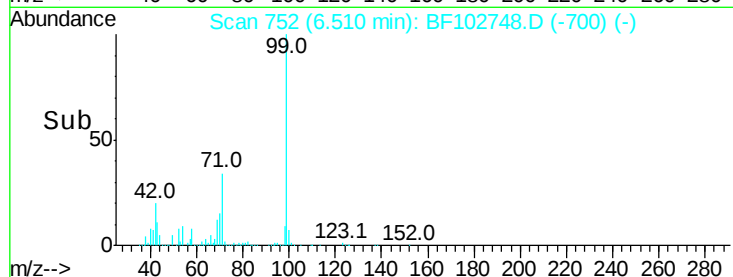
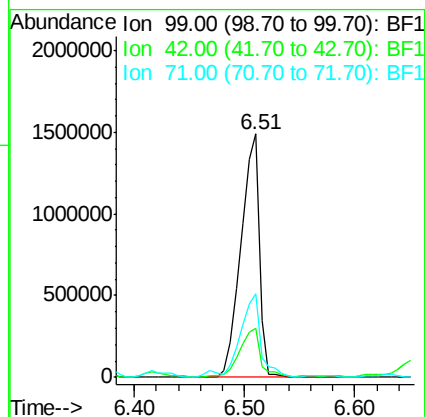
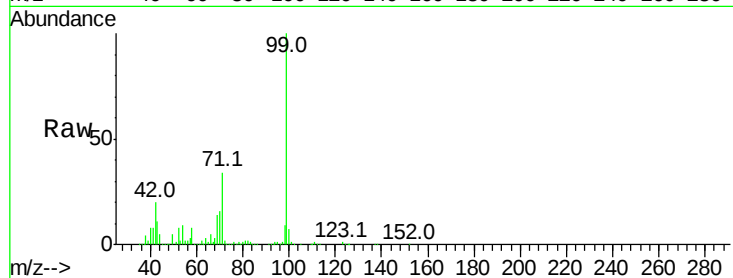
42 20.1 14.5 21.7

71 34.5 25.4 38.0

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#10

Phenol

Concen: 2.848 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102748.D

Acq: 5 Feb 2018 19:54

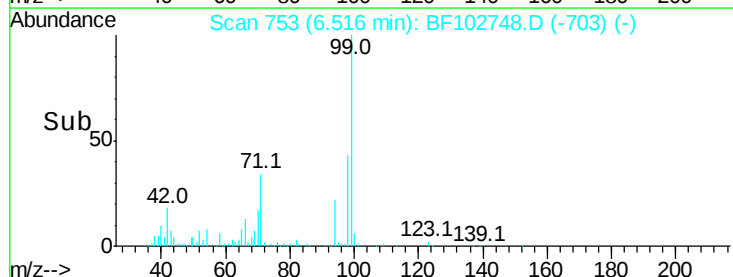
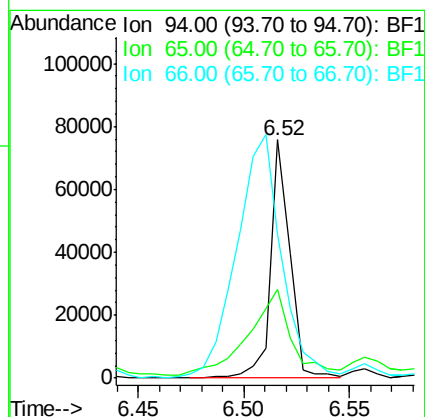
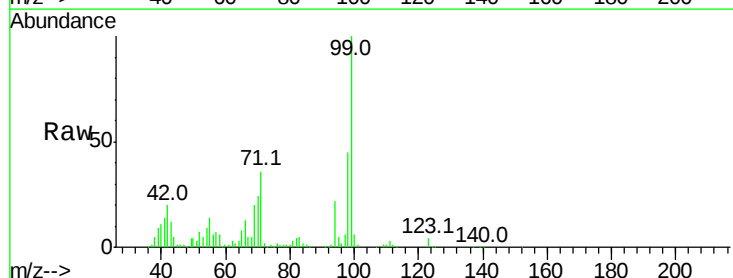
Tgt Ion: 94 Resp: 48213

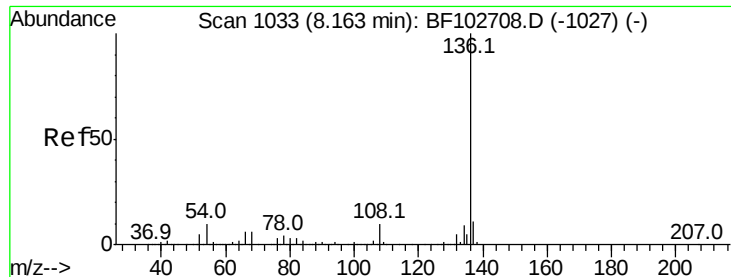
Ion Ratio Lower Upper

94 100

65 37.5 7.9 47.9

66 60.5 16.2 56.2#





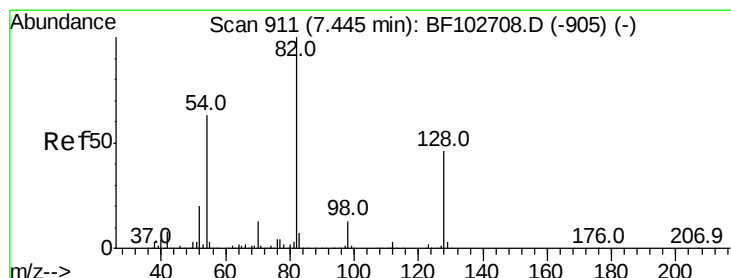
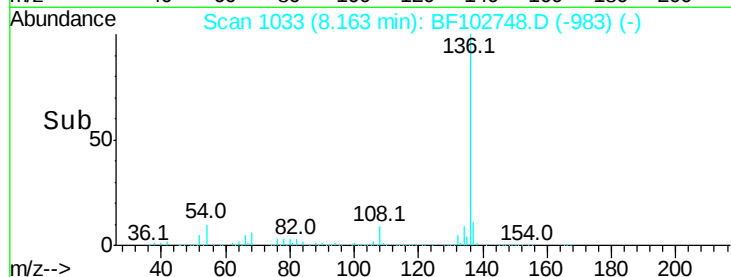
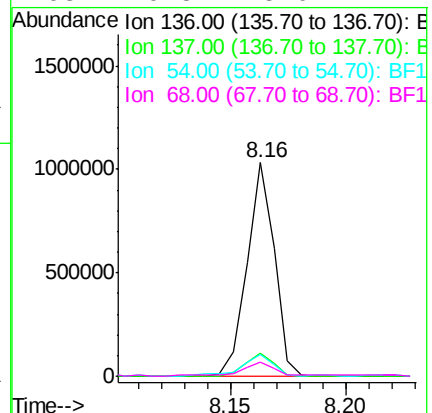
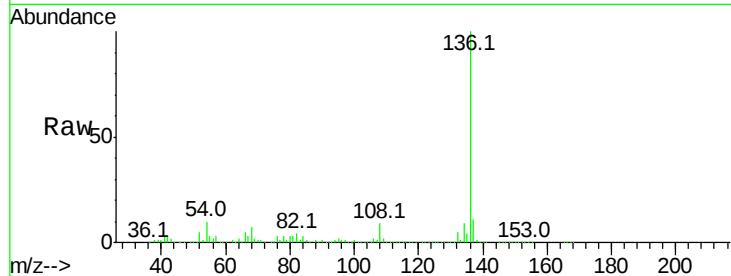
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102748.D
Acq: 5 Feb 2018 19:54

Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	10.2	6.6	9.8	
68	6.8	5.0	7.4	

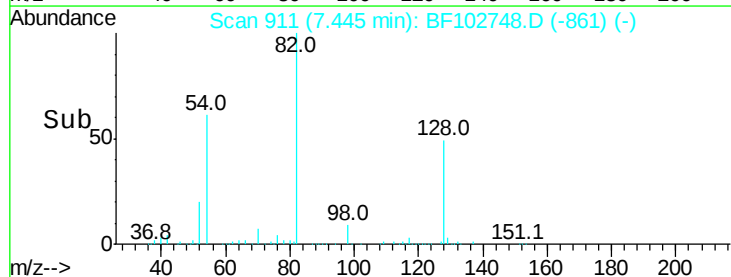
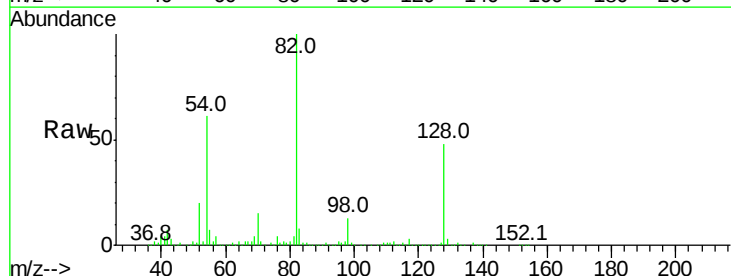
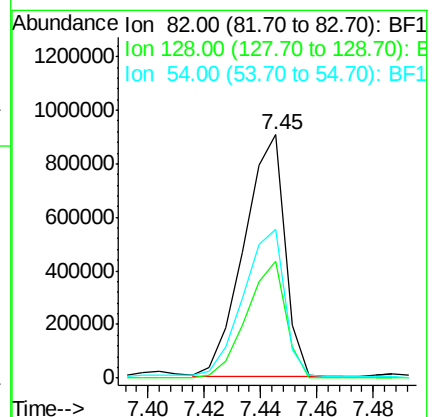
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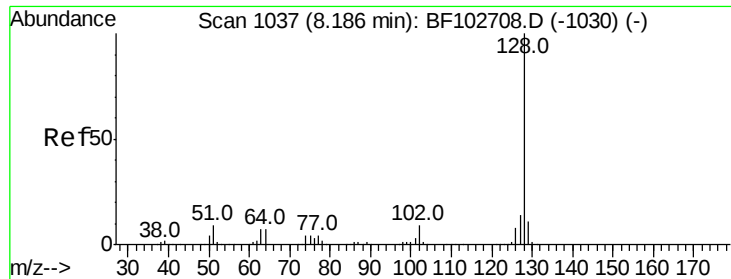
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#23
Nitrobenzene-d5
Concen: 74.311 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102748.D
Acq: 5 Feb 2018 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.1	36.1	54.1	
54	61.1	41.4	62.2	





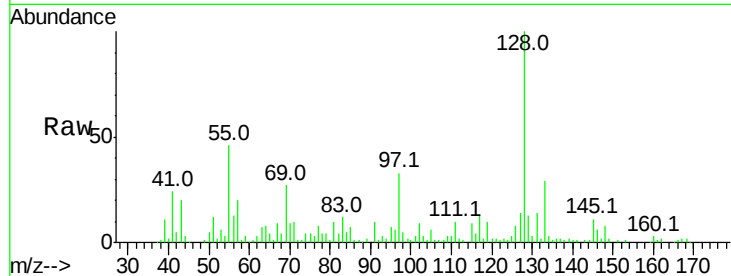
#31
Naphthalene
Concen: 2.097 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF102748.D
Acq: 5 Feb 2018 19:54

Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)

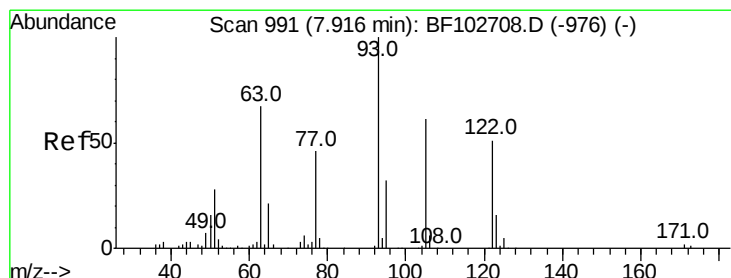
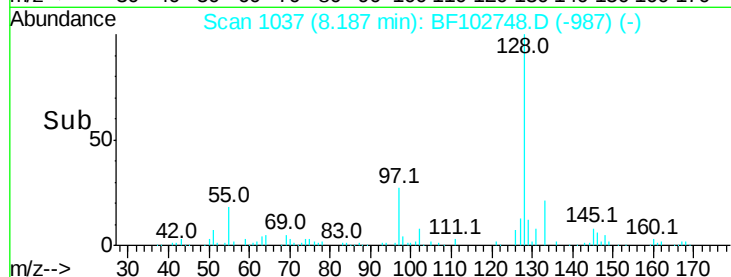
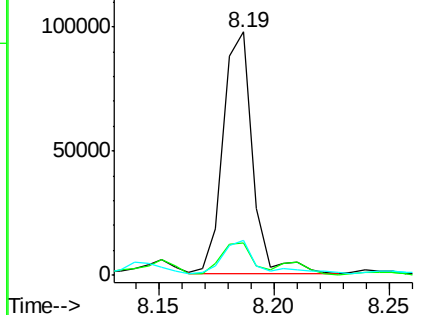
Tot Ion	Ratio	Lower	Upper
128	100		
129	13.5	8.8	13.2#
127	14.4	10.9	16.3

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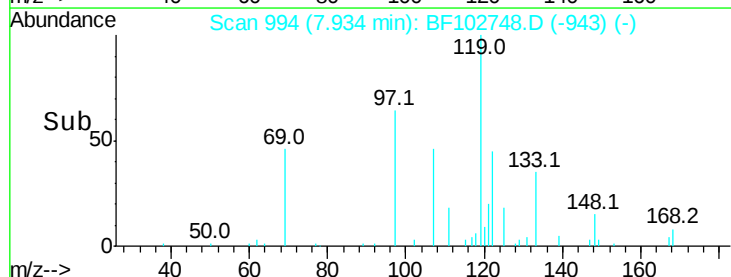
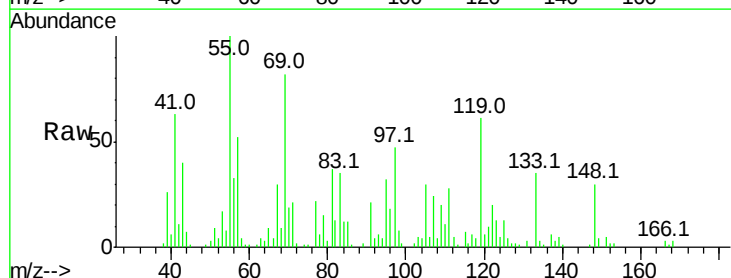
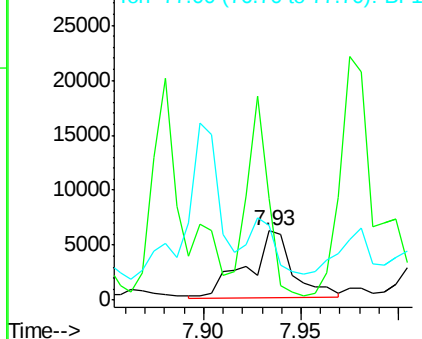
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Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

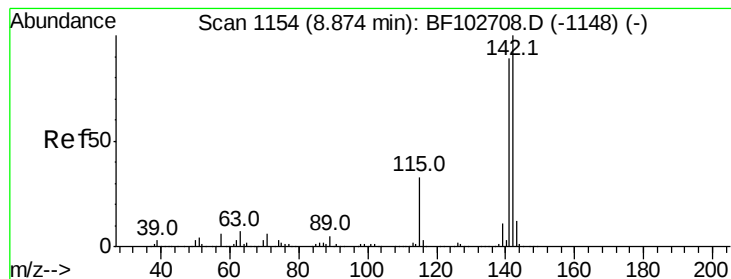


#32
Benzoic acid
Concen: 9.687 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.00 min
Lab File: BF102748.D
Acq: 5 Feb 2018 19:54

Tgt Ion	Ratio	Lower	Upper
122	100		
105	147.9	101.1	141.1#
77	108.2	70.7	110.7

Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





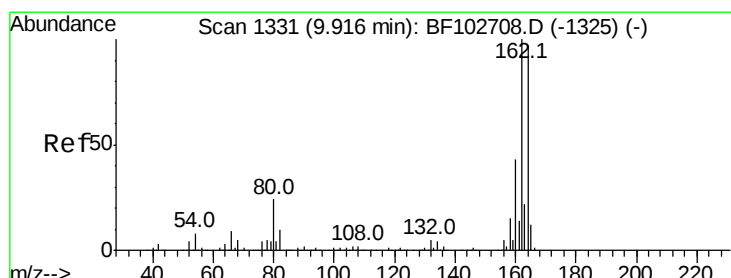
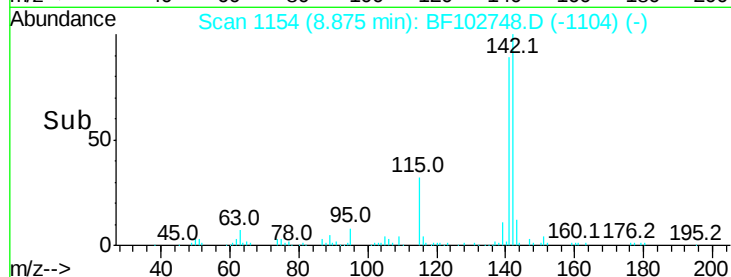
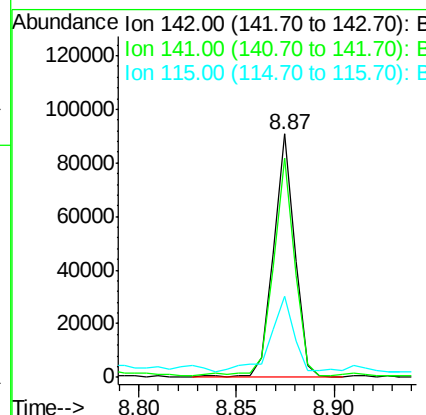
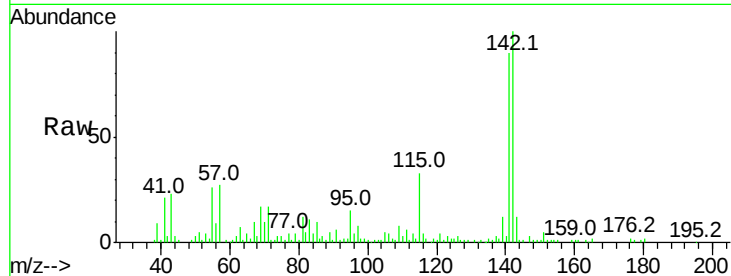
#37
2-Methylnaphthalene
Concen: 2.537 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF102748.D
Acq: 5 Feb 2018 19:54

Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.8	106.2
115	33.2	26.1	39.1

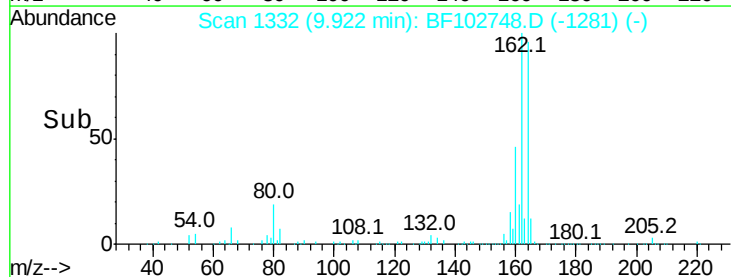
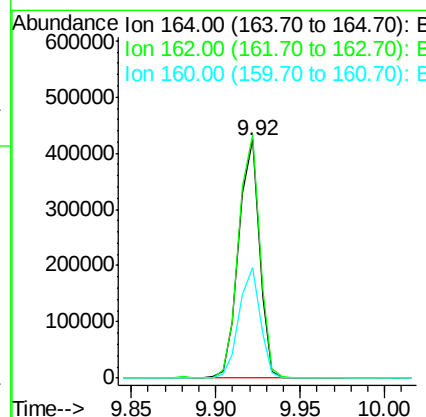
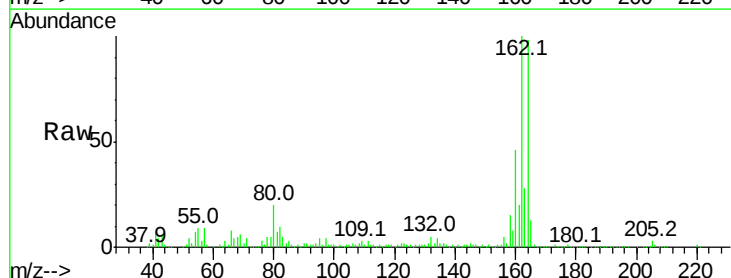
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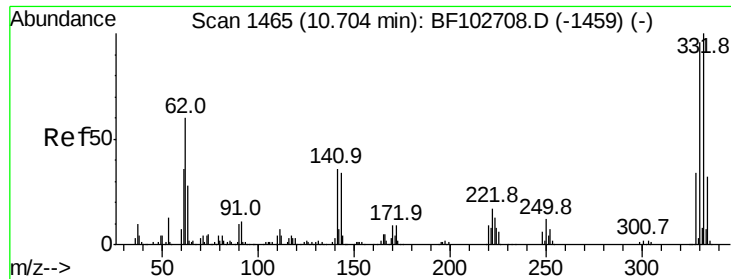
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF102748.D
Acq: 5 Feb 2018 19:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	86.1	129.1
160	46.5	38.3	57.5





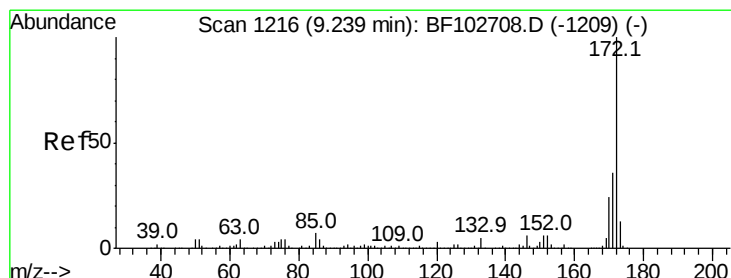
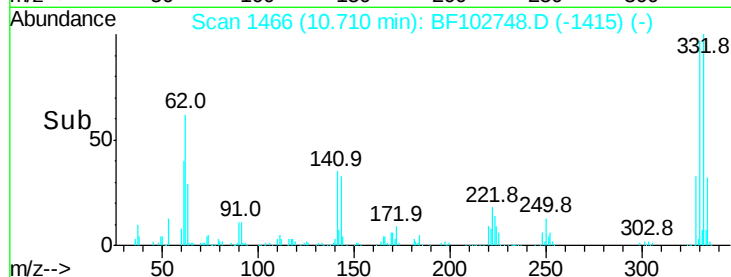
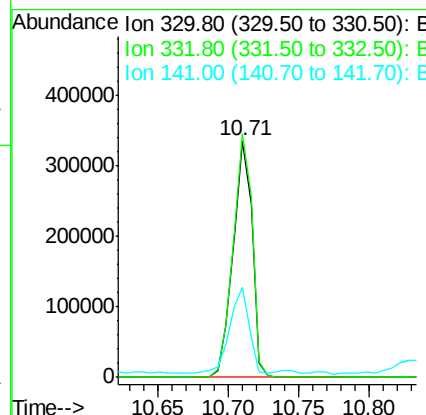
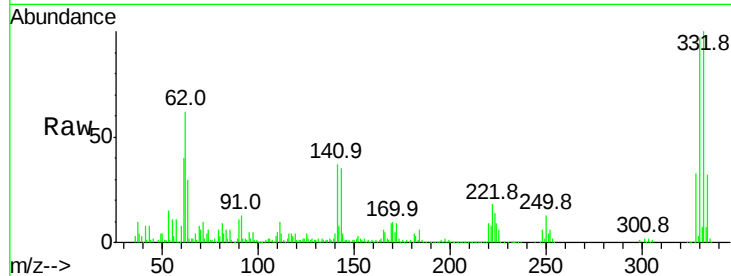
#41
 2,4,6-Tribromophenol
 Concen: 109.266 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF102748.D
 Acq: 5 Feb 2018 19:54

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-9-WW(1-4)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	103.3	77.0	115.6	
141	36.8	29.9	44.9	

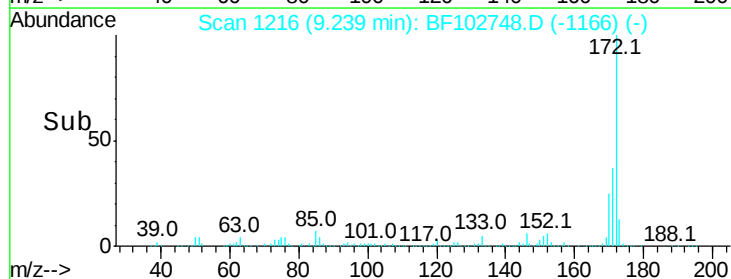
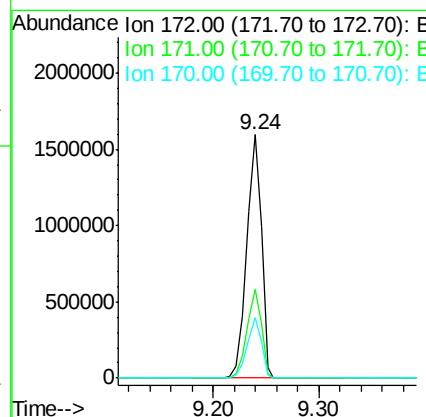
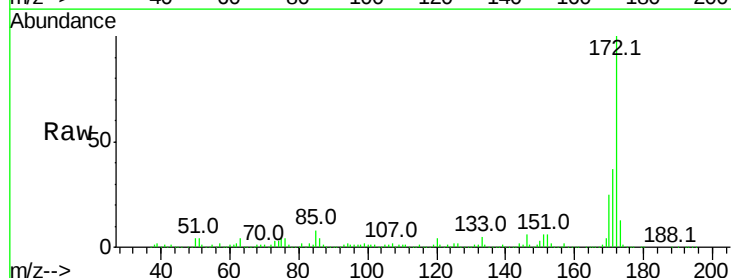
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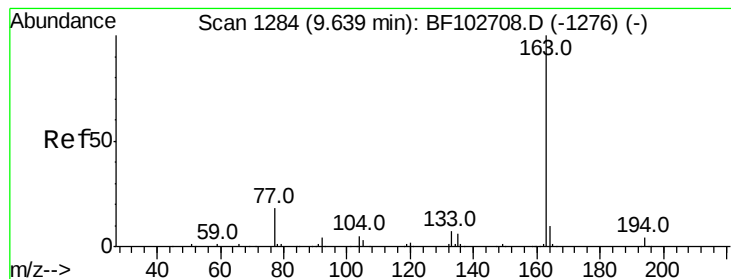
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#44
 2-Fluorobiphenyl
 Concen: 69.242 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102748.D
 Acq: 5 Feb 2018 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.7	29.7	44.5	
170	24.9	19.6	29.4	





#49

Dimethylphthalate

Concen: 5.056 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102748.D

Acq: 5 Feb 2018 19:54

Instrument :

BNA_F

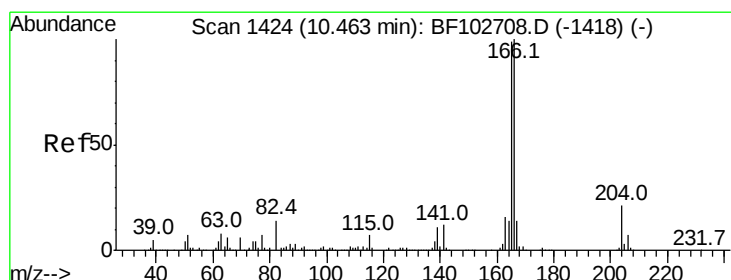
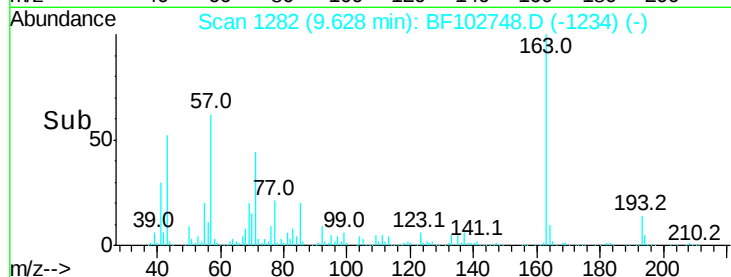
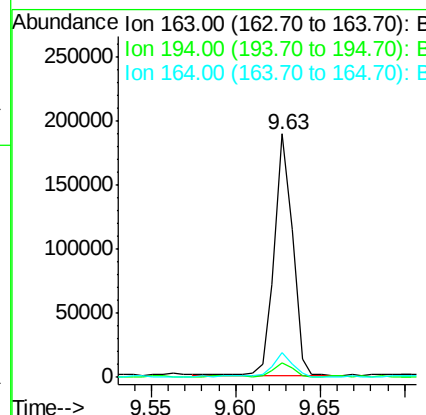
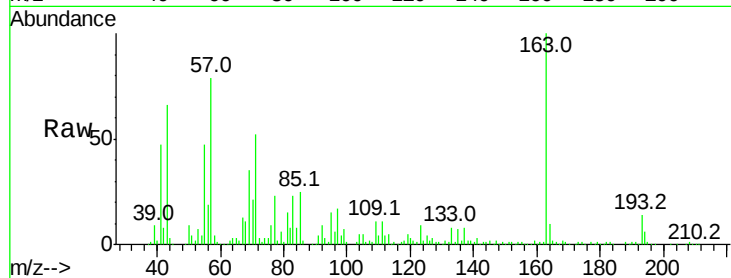
ClientSampleId :

8-SAN-9-WW(1-4)

Tot Ion:163	Resp:	141895
Ion Ratio	Lower	Upper
163 100		
194 5.8	2.7	4.1#
164 10.0	8.2	12.2

Manual Integrations
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#57

Fluorene

Concen: 2.260 ng

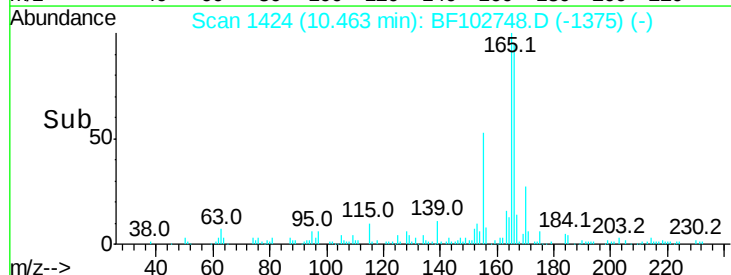
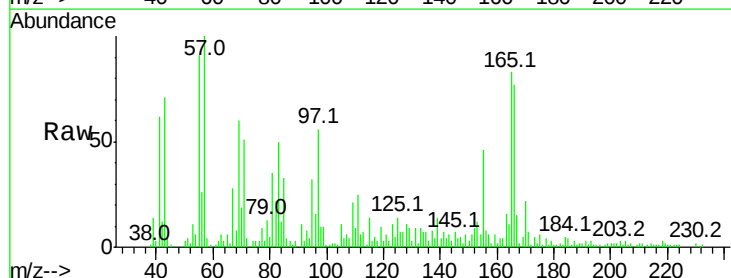
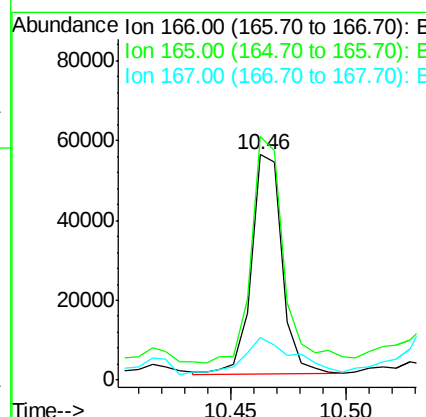
RT: 10.46 min Scan# 1424

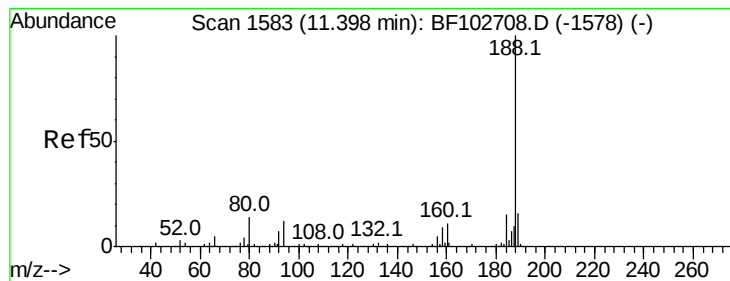
Delta R.T. -0.01 min

Lab File: BF102748.D

Acq: 5 Feb 2018 19:54

Tgt Ion:166	Resp:	51361
Ion Ratio	Lower	Upper
166 100		
165 108.0	79.8	119.8
167 18.9	10.6	16.0#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF102748.D

Acq: 5 Feb 2018 19:54

Instrument :

BNA_F

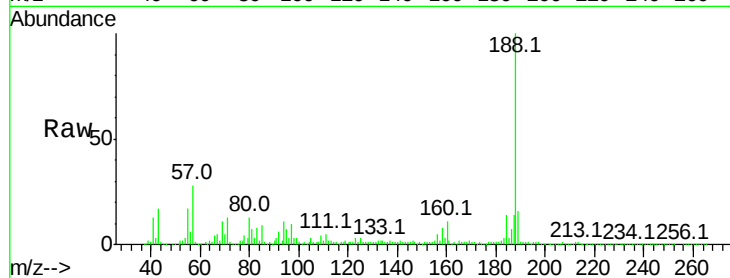
ClientSampleId :

8-SAN-9-WW(1-4)

Tot Ion:	188	Resp:	498085
Ion Ratio	Lower	Upper	
188	100		
94	10.6	8.5	12.7
80	12.6	9.2	13.8

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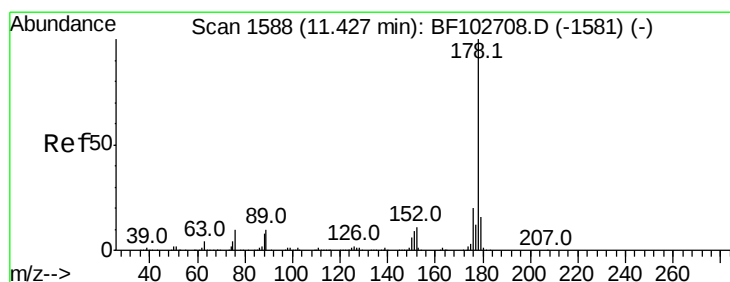
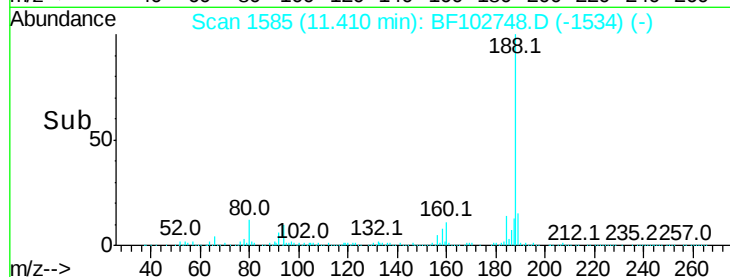
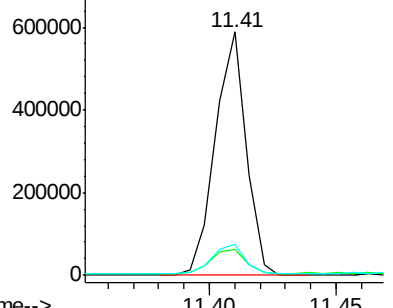
Sohil
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 11.301 ng

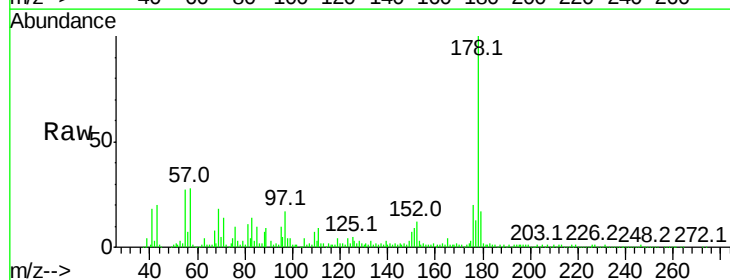
RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF102748.D

Acq: 5 Feb 2018 19:54

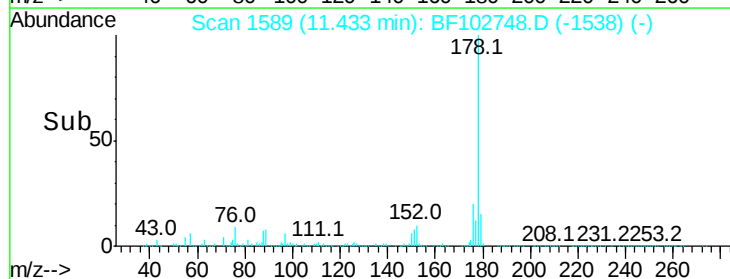
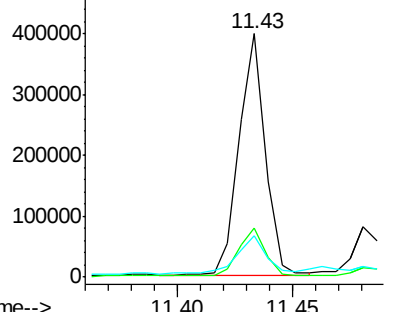
Tgt Ion:	178	Resp:	313504
Ion Ratio	Lower	Upper	
178	100		
176	20.2	15.8	23.8
179	17.0	13.0	19.6

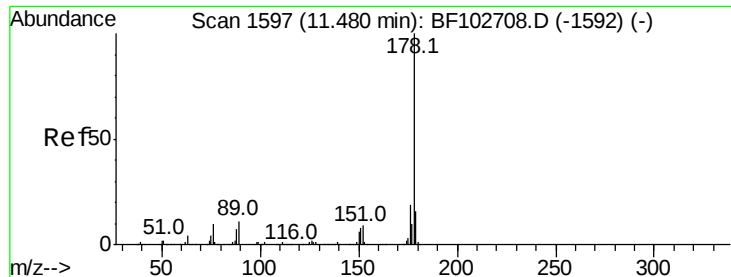


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





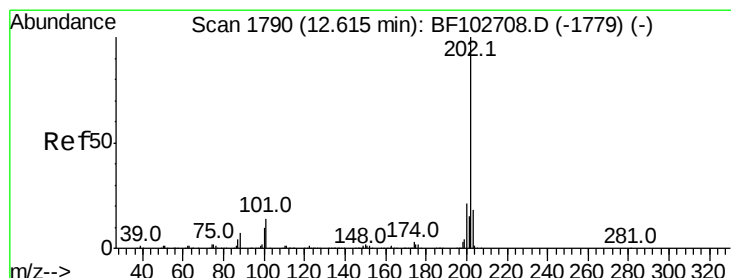
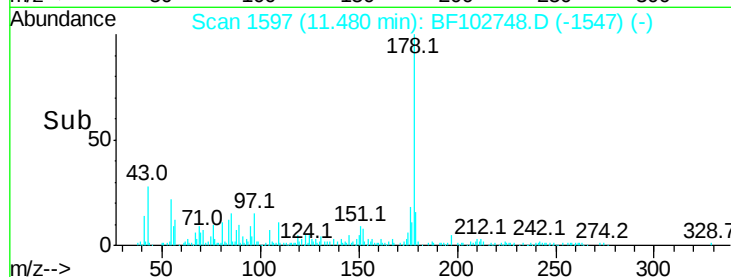
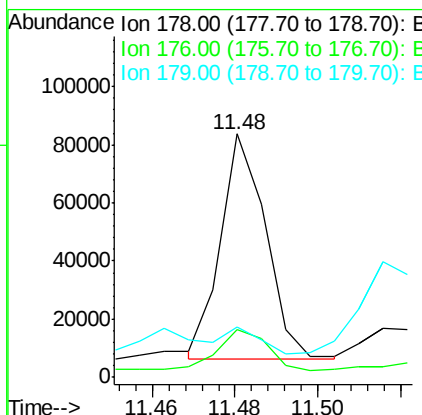
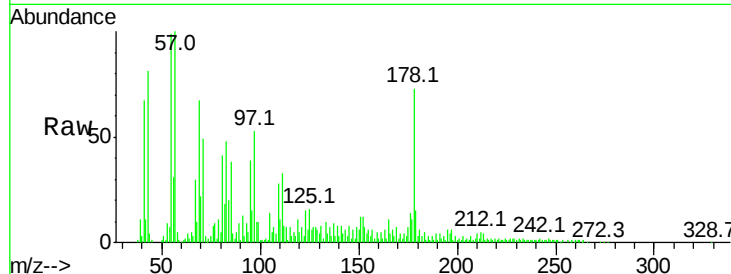
#71
 Anthracene
 Concen: 2.086 ng/mL
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF102748.D
 Acq: 5 Feb 2018 19:54

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-9-WW(1-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	20.6	12.6	19.0

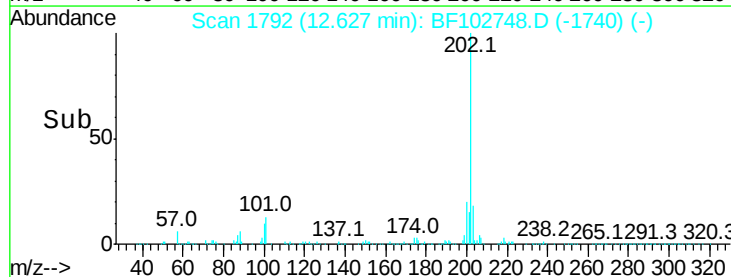
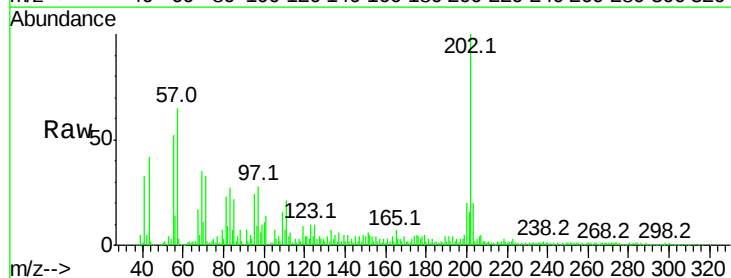
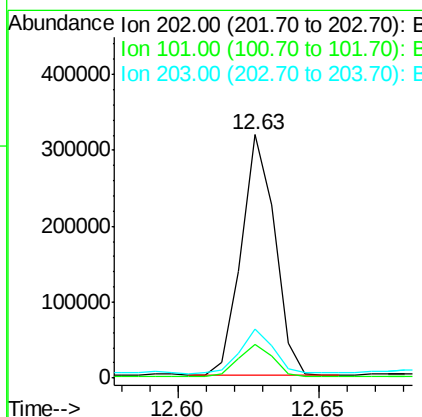
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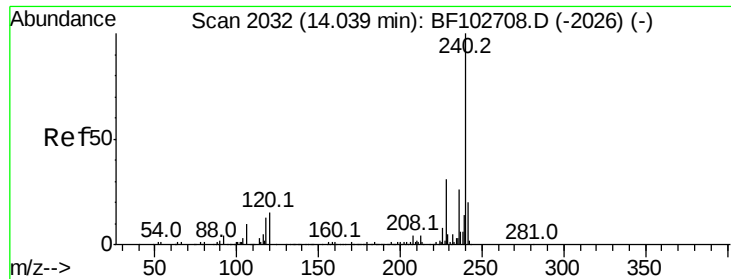
Sohil
 2/6/2018 2:25:44 PM



#74
 Fluoranthene
 Concen: 9.352 ng/mL
 RT: 12.63 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: BF102748.D
 Acq: 5 Feb 2018 19:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.1
203	19.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF102748.D

Acq: 5 Feb 2018 19:54

Instrument :

BNA_F

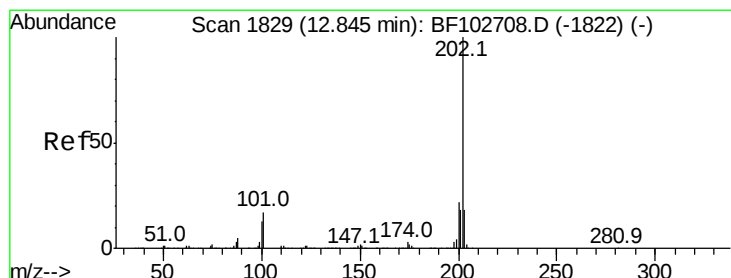
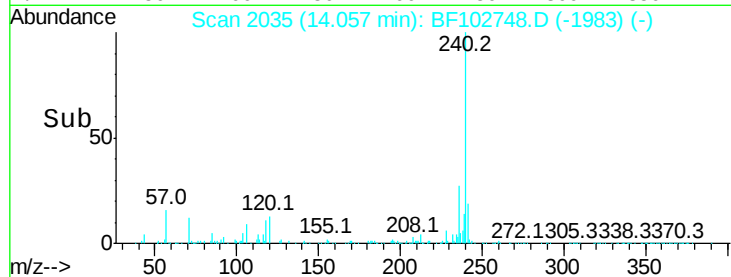
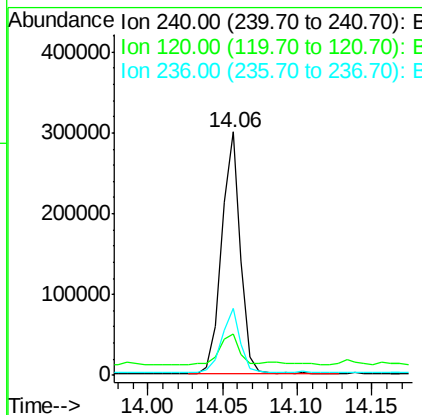
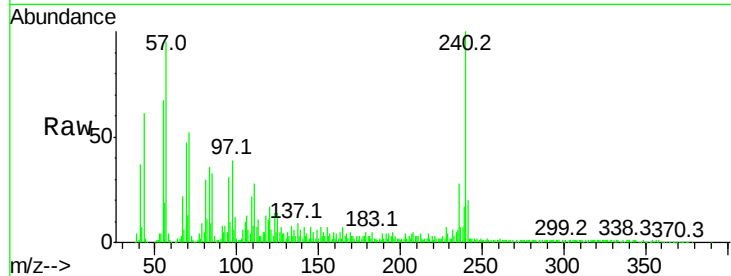
ClientSampleId :

8-SAN-9-WW(1-4)

Tot Ion:	240	Resp:	265455
Ion Ratio	Lower	Upper	
240	100		
120	17.0	9.5	14.3#
236	27.6	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 11.922 ng

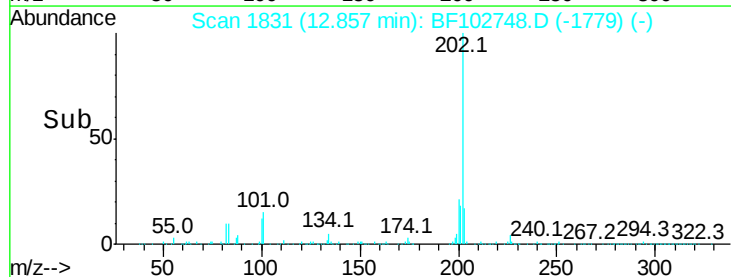
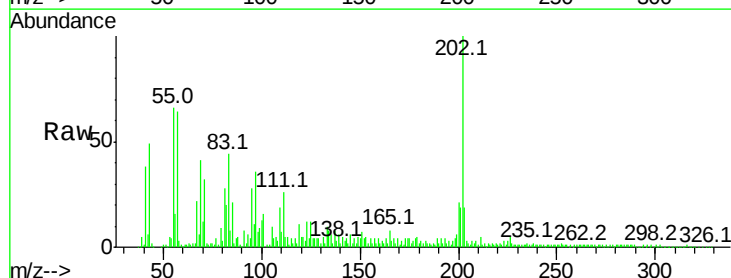
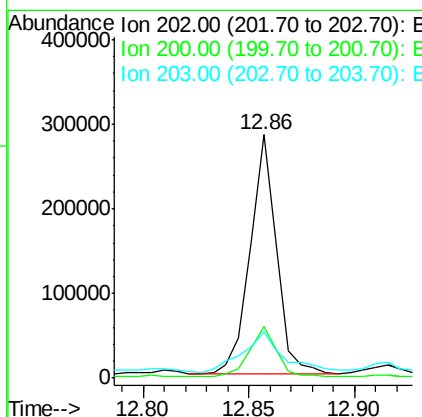
RT: 12.86 min Scan# 1831

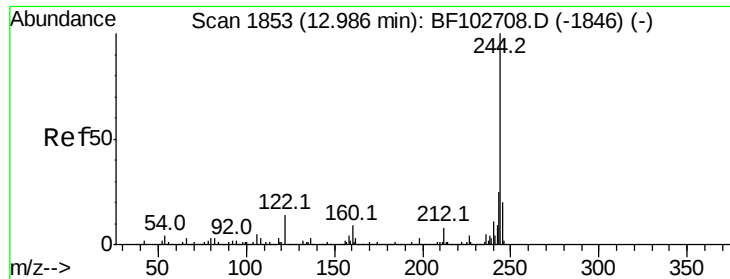
Delta R.T. 0.01 min

Lab File: BF102748.D

Acq: 5 Feb 2018 19:54

Tgt Ion:	202	Resp:	248160
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	19.3	14.3	21.5





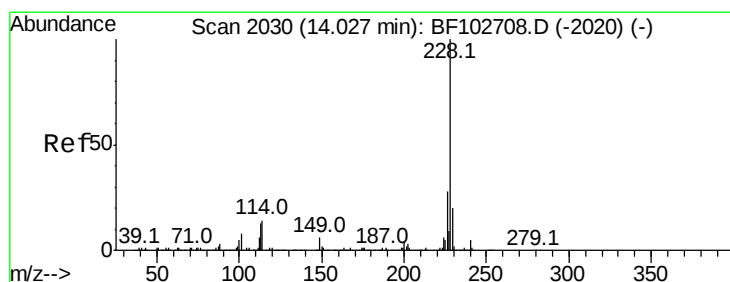
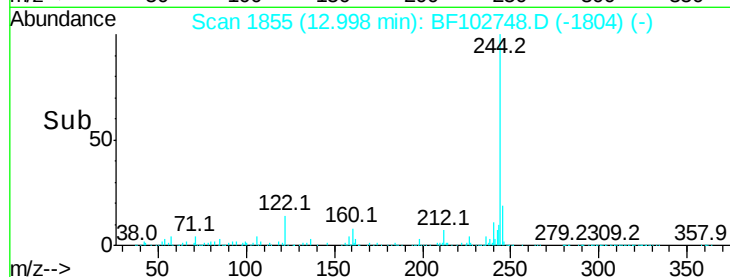
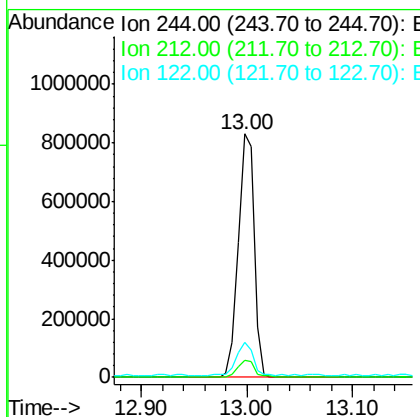
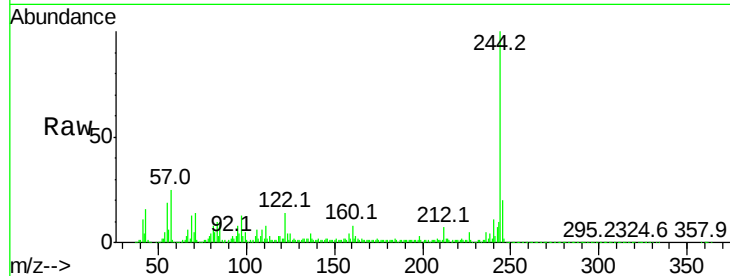
#78
 Terphenyl-d14
 Concen: 75.628 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: BF102748.D
 Acq: 5 Feb 2018 19:54

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-9-WW(1-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	14.5	11.0	16.4

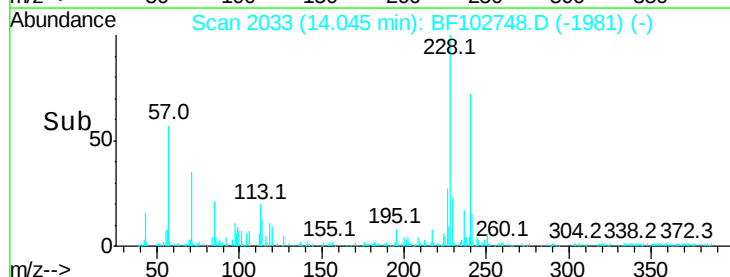
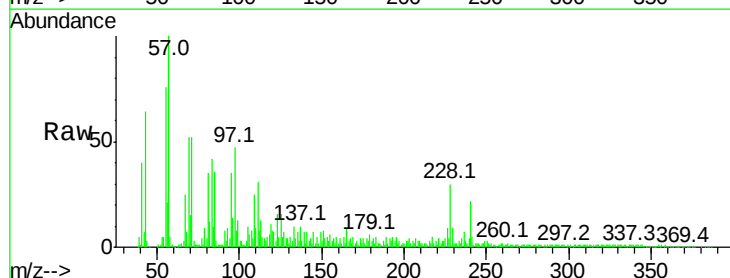
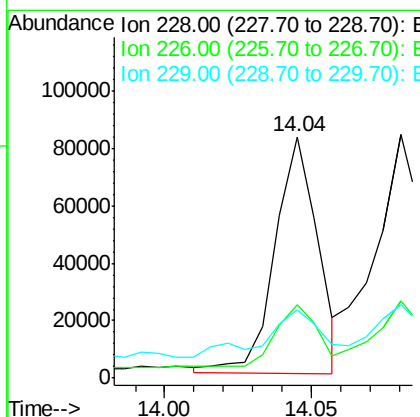
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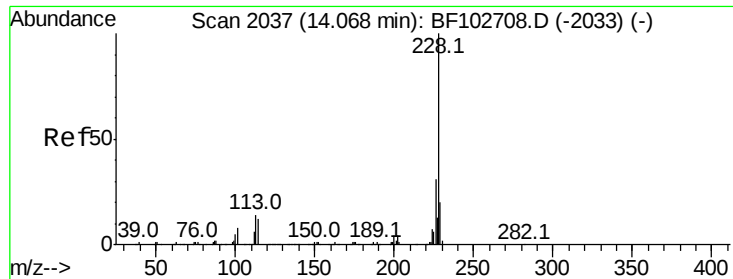
Sohil
 2/6/2018 2:25:44 PM



#80
 Benzo(a)anthracene
 Concen: 5.006 ng m
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.01 min
 Lab File: BF102748.D
 Acq: 5 Feb 2018 19:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.6	33.8
229	28.4	15.8	23.6





#82

Chrysene

Concen: 5.559 ng/mL

RT: 14.08 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BF102748.D

Acq: 5 Feb 2018 19:54

Instrument :

BNA_F

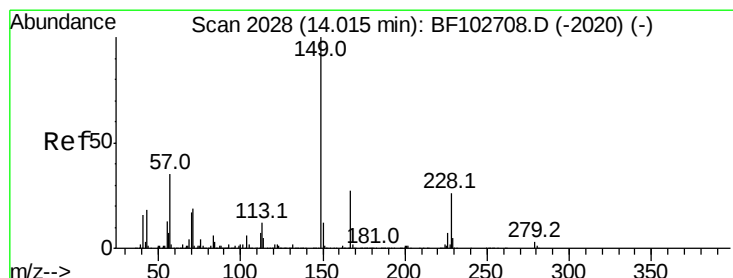
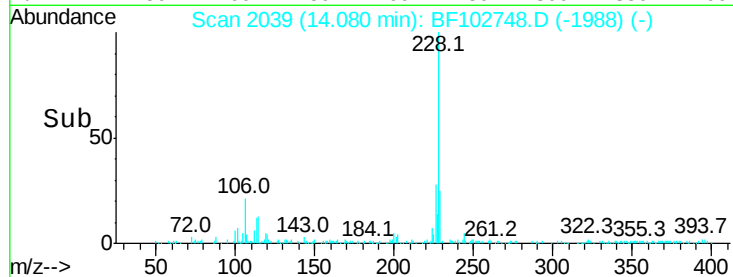
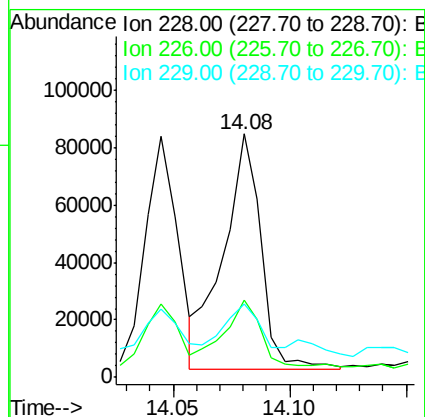
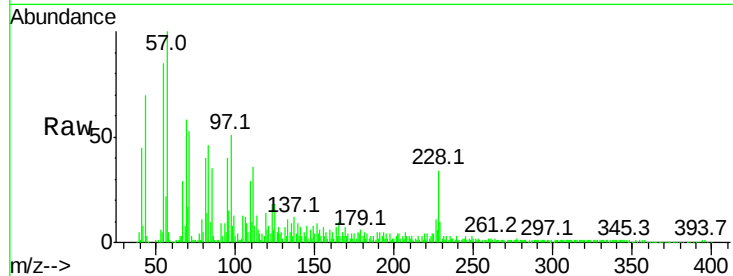
ClientSampleId :

8-SAN-9-WW(1-4)

Tot Ion:	228	Resp:	93547
Ion Ratio	Lower	Upper	
228	100		
226	31.5	25.0	37.6
229	29.9	16.2	24.4#

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.821 ng/mL

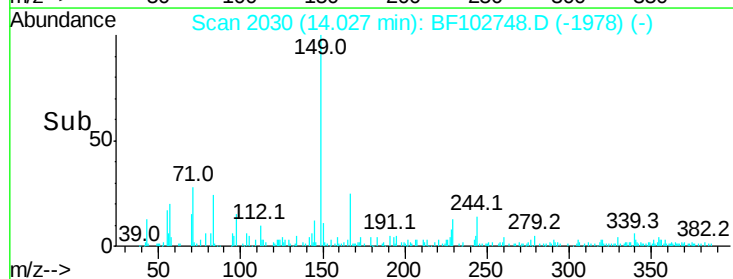
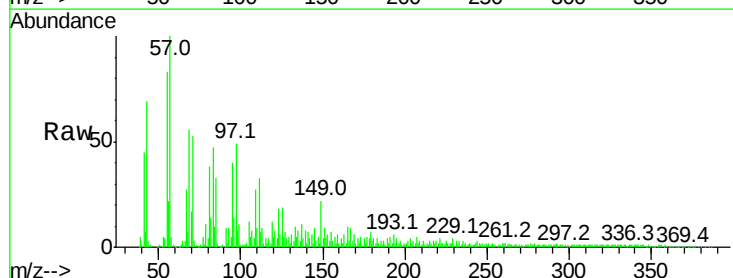
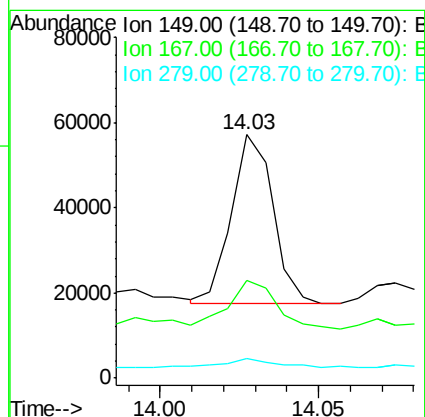
RT: 14.03 min Scan# 2030

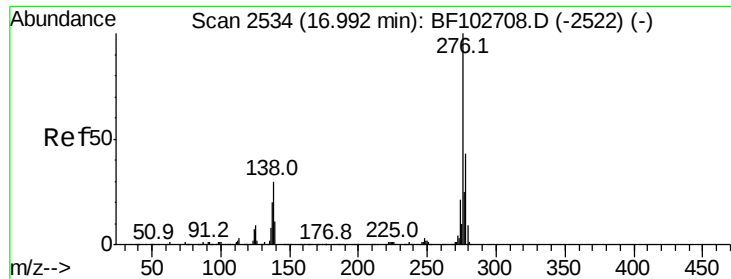
Delta R.T. 0.01 min

Lab File: BF102748.D

Acq: 5 Feb 2018 19:54

Tgt Ion:	149	Resp:	35969
Ion Ratio	Lower	Upper	
149	100		
167	40.0	21.3	31.9#
279	8.2	3.0	4.4#





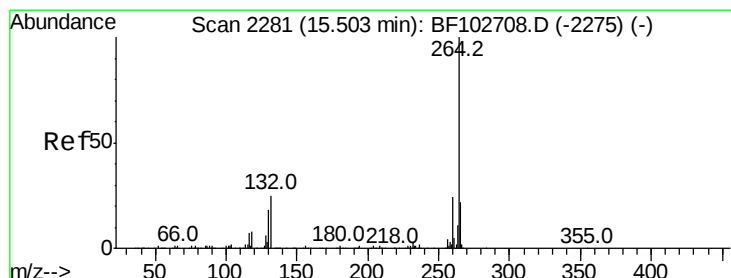
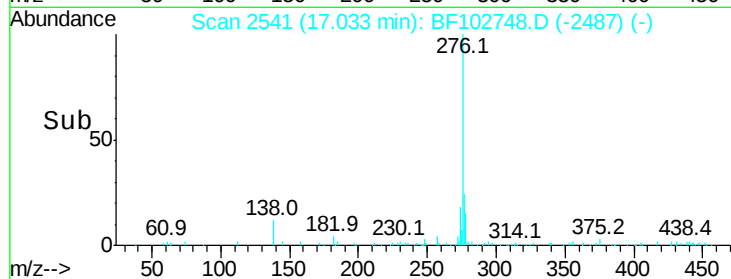
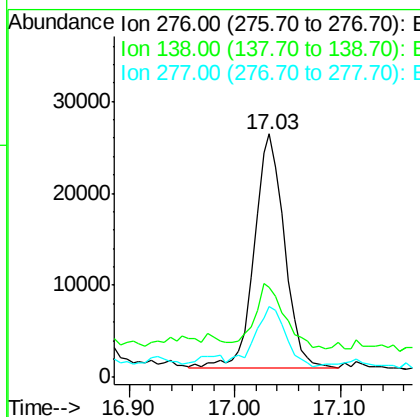
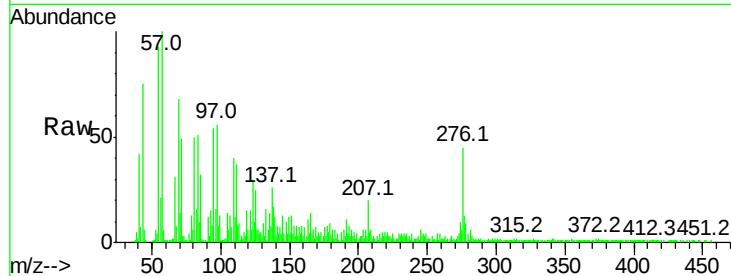
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.615 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.02 min
Lab File: BF102748.D
Acq: 5 Feb 2018 19:54

Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.5	25.0	37.6
277	25.3	20.1	30.1

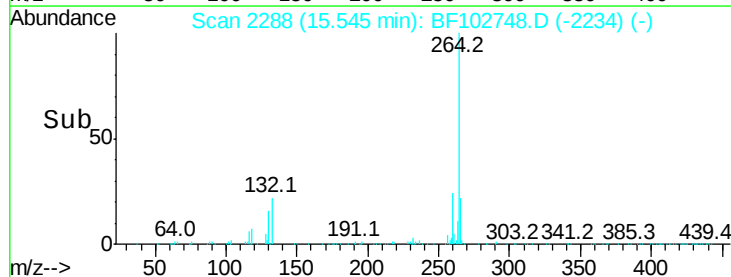
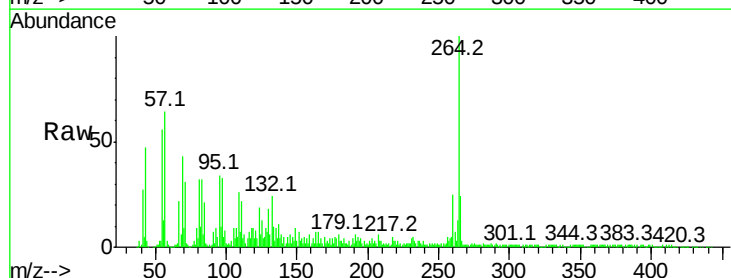
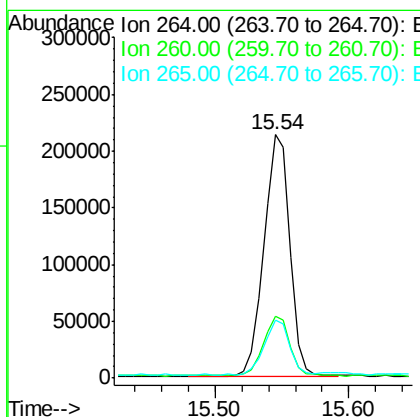
Manual Integrations
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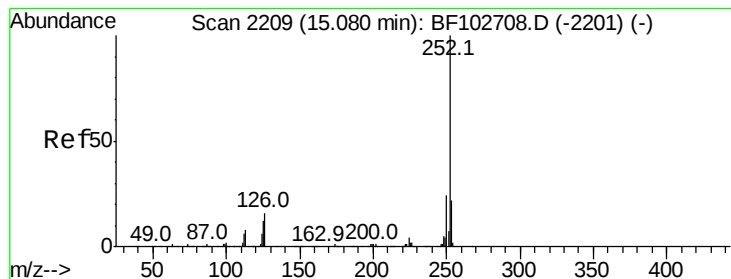
Sohil
2/6/2018 2:25:44 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.02 min
Lab File: BF102748.D
Acq: 5 Feb 2018 19:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	23.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 5.670 ng m

RT: 15.10 min Scan# 2213

Delta R.T. 0.01 min

Lab File: BF102748.D

Acq: 5 Feb 2018 19:54

Instrument :

BNA_F

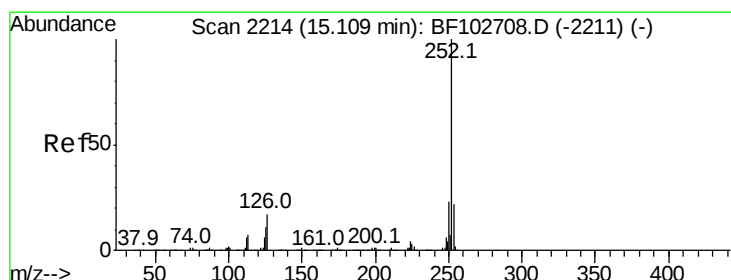
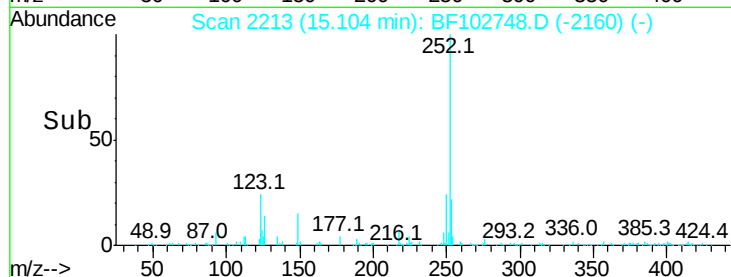
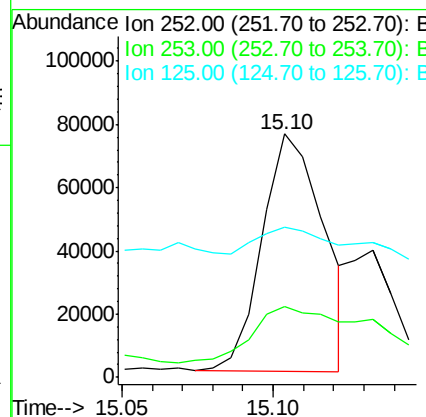
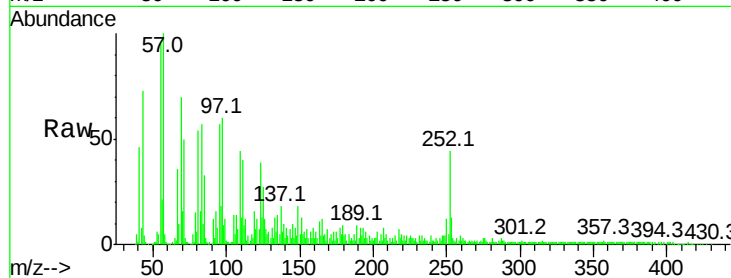
ClientSampleId :

8-SAN-9-WW(1-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.1	17.0	25.6#
125	61.5	9.0	13.6#

Manual Integrations
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2/6/2018 2:25:44 PM



#88

Benzo(k)fluoranthene

Concen: 2.442 ng m

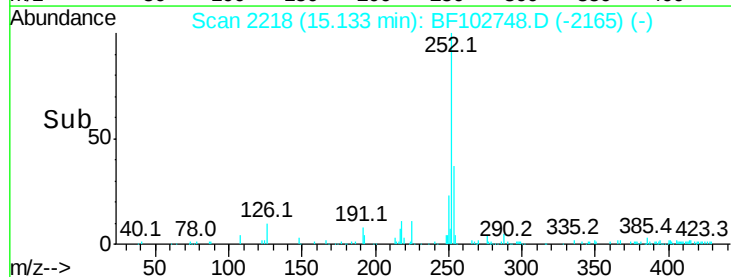
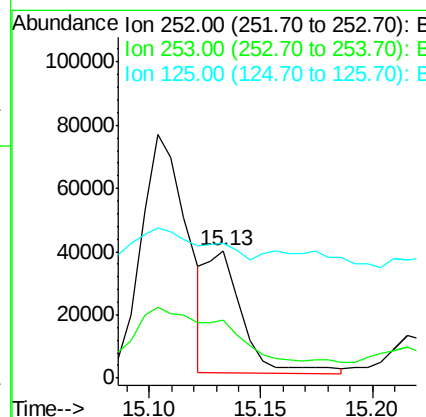
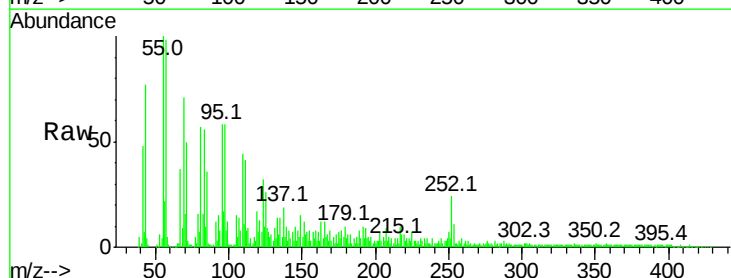
RT: 15.13 min Scan# 2218

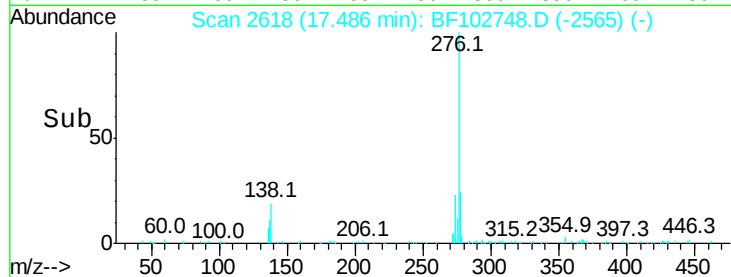
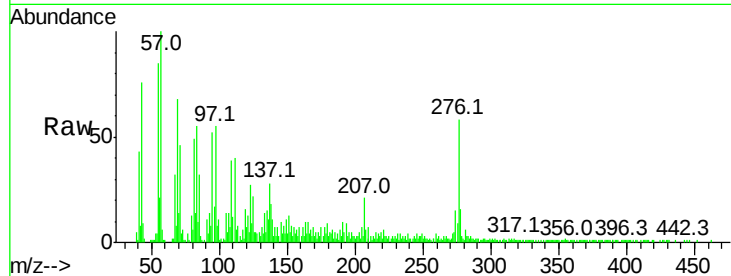
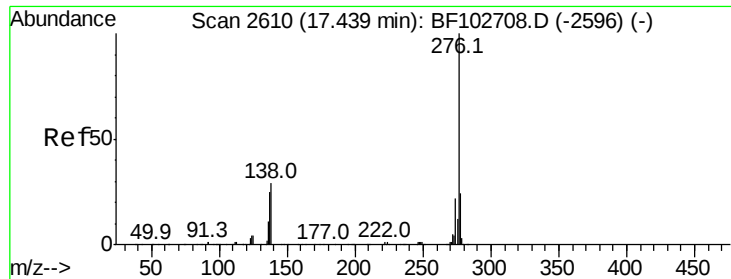
Delta R.T. 0.01 min

Lab File: BF102748.D

Acq: 5 Feb 2018 19:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	46.0	17.9	26.9#
125	105.7	10.2	15.2#





#91
Benzo(a,h,i)perylene
Concen: 3.806 ng
RT: 17.49 min Scan# 2618
Delta R.T. 0.01 min
Lab File: BF102748.D
Acq: 5 Feb 2018 19:54

Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.2	17.9	26.9#
138	30.0	21.8	32.8

Manual Integrations
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Sohil
2/6/2018 2:25:44 PM

