

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
 Data File : BF102969.D
 Acq On : 13 Feb 2018 18:40
 Operator : SJ/JU
 Sample : J1511-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MM-1

Manual Integrations
 APPROVED

Sohil
 2/14/2018 10:29:44 AM

Quant Time: Feb 14 02:12:07 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 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	179565	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	727604	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	284317	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	428464	20.00	ng	0.00
75) Chrysene-d12	14.04	240	308991	20.00	ng	0.00
86) Perylene-d12	15.52	264	227423	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	602247	50.93	ng	0.00
7) Phenol-d6	6.50	99	738282	51.86	ng	0.00
23) Nitrobenzene-d5	7.43	82	453323	43.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	102115	44.62	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	652977	38.11	ng	-0.01
78) Terphenyl-d14	12.98	244	454900	34.86	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.51	94	31906	2.091	ng	95
31) Naphthalene	8.18	128	133573	3.757	ng	99
49) Dimethylphthalate	9.62	163	61678	2.782	ng	# 98
70) Phenanthrene	11.42	178	462462	19.380	ng	99
71) Anthracene	11.47	178	88134	3.631	ng	98
74) Fluoranthene	12.62	202	354983	14.786	ng	99
77) Pyrene	12.84	202	355532	14.673	ng	99
80) Benzo(a)anthracene	14.03	228	140516	7.231	ng	98
82) Chrysene	14.06	228	133989	6.840	ng	97
83) Bis(2-ethylhexyl)phthalate	14.01	149	33289	2.243	ng	98
85) Indeno(1,2,3-cd)pyrene	17.01	276	38427	2.365	ng	97
87) Benzo(b)fluoranthene	15.09	252	102281m	6.937	ng	
88) Benzo(k)fluoranthene	15.10	252	39917m	2.833	ng	
89) Benzo(a)pyrene	15.45	252	69301	5.222	ng	# 83
91) Benzo(a,h,i)perylene	17.46	276	49345	4.680	ng	92

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

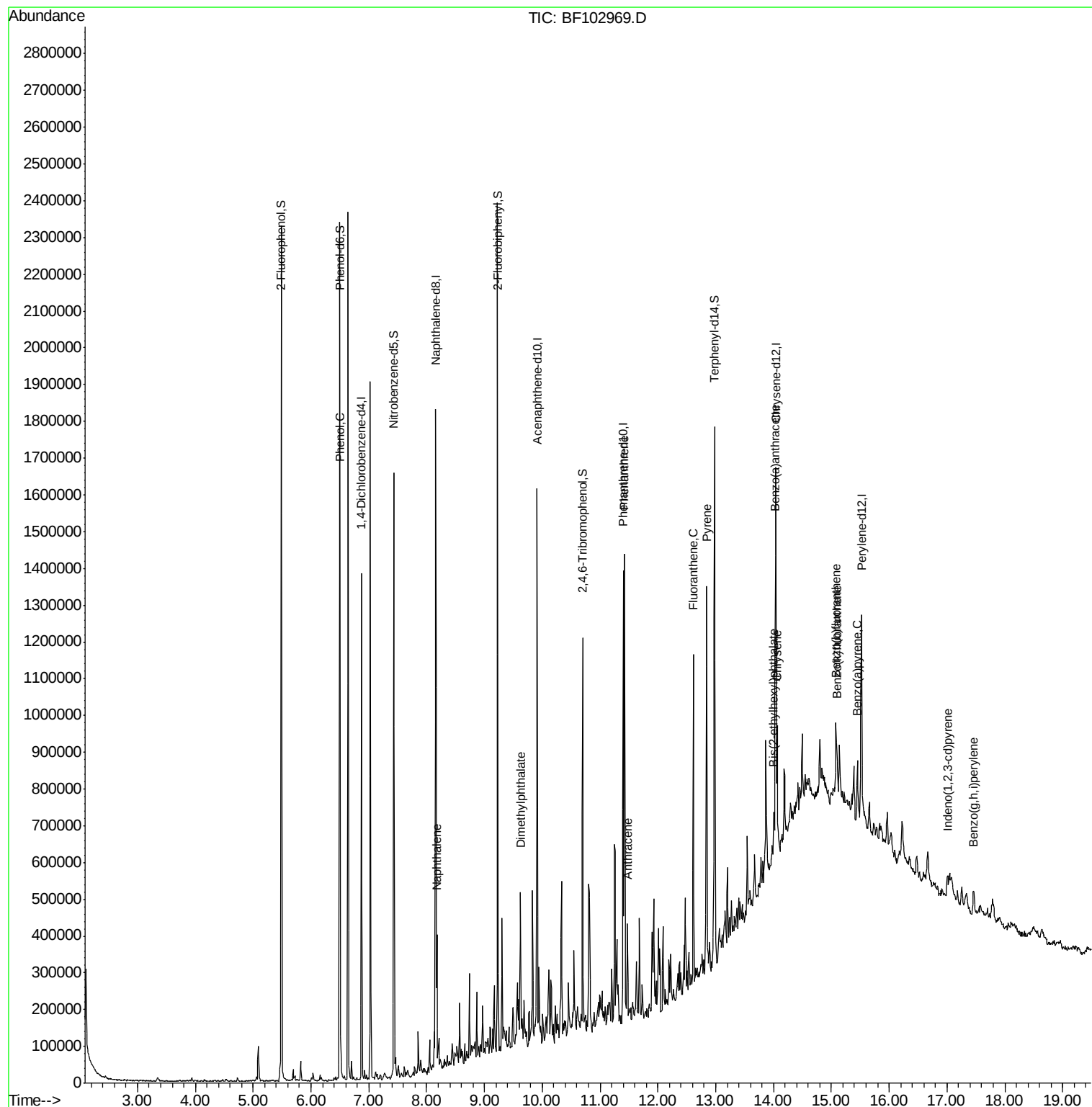
Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
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#1

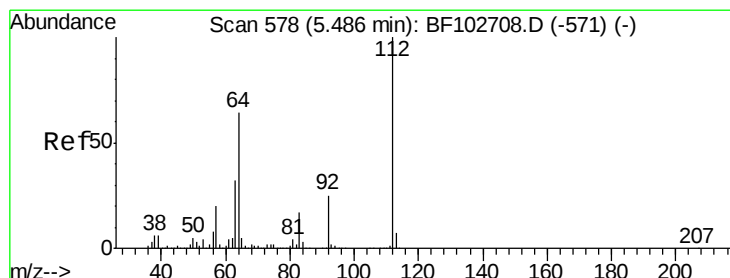
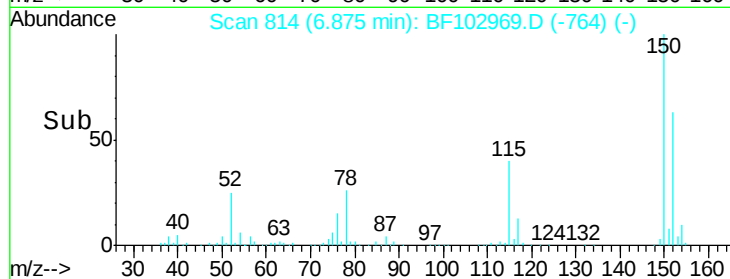
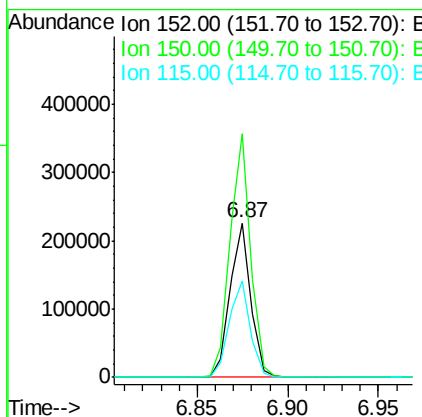
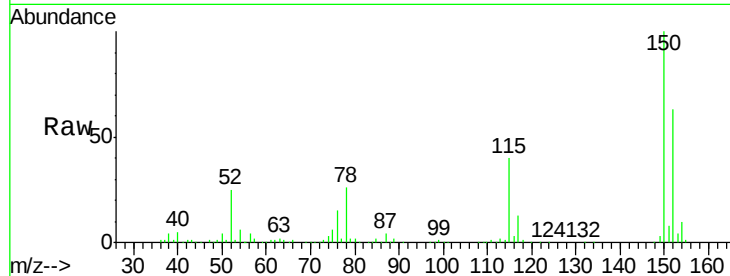
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102969.D
Acq: 13 Feb 2018 18:40

Instrument :
BNA_F
ClientSampled :
MM-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	62.6	50.1	75.1

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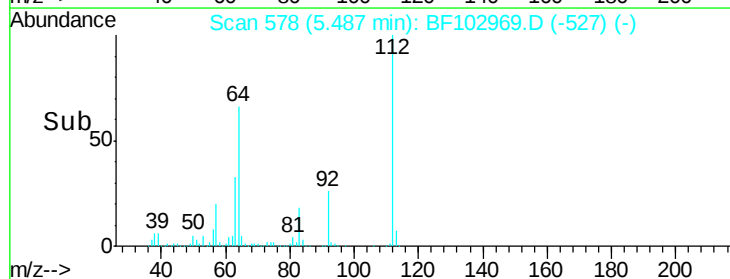
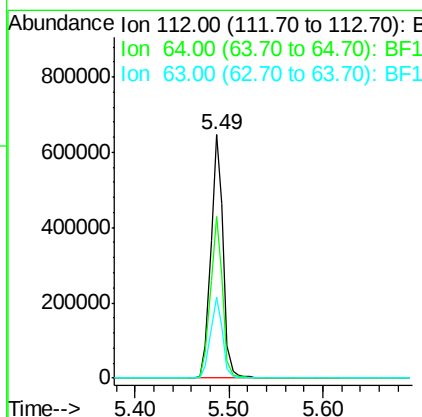
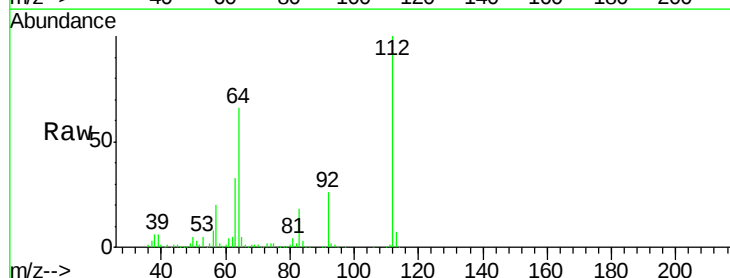
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#5

2-Fluorophenol
Concen: 50.935 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF102969.D
Acq: 13 Feb 2018 18:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	47.9	71.9
63	33.3	23.7	35.5





#7

Phenol-d6

Concen: 51.858 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF102969.D

Acq: 13 Feb 2018 18:40

Instrument :

BNA_F

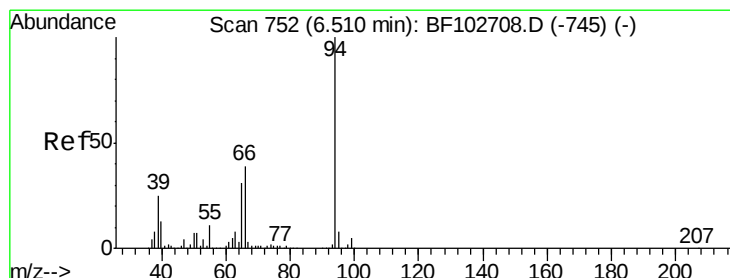
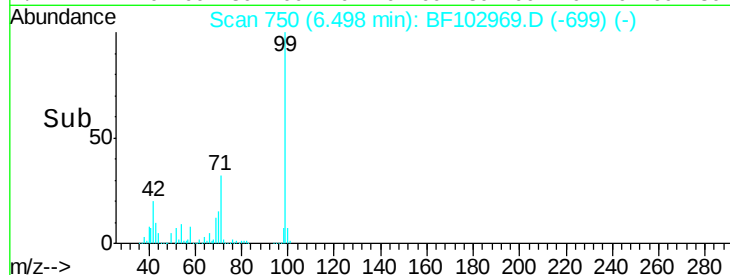
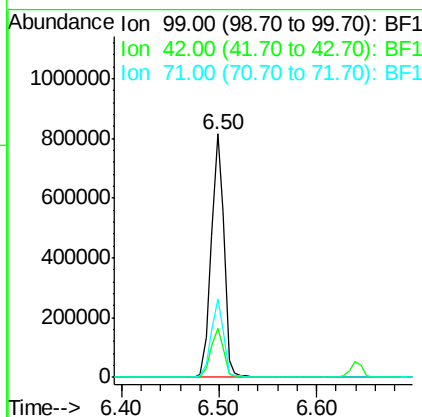
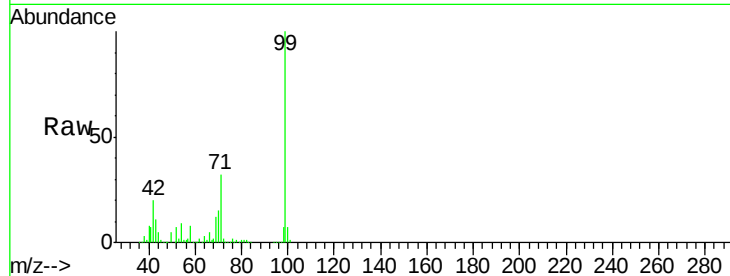
ClientSampleId :

MM-1

Tot Ion:	99	Resp:	738282
Ion Ratio	Lower	Upper	
99	100		
42	20.0	14.5	21.7
71	32.4	25.4	38.0

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#10

Phenol

Concen: 2.091 ng

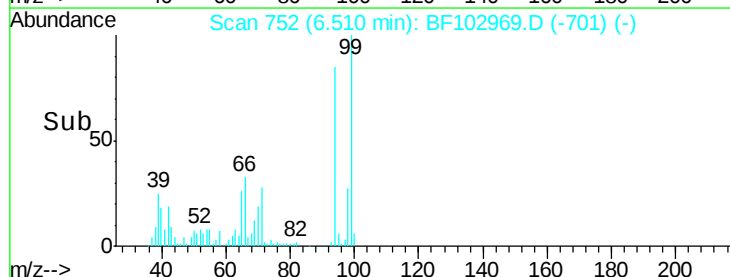
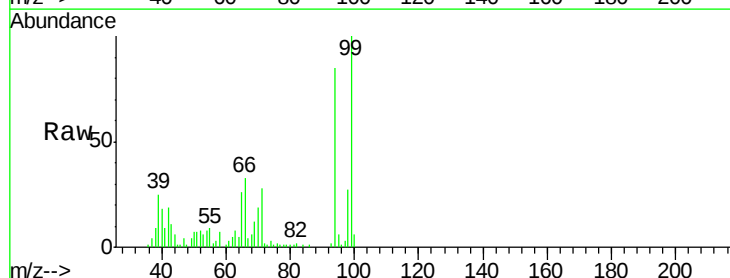
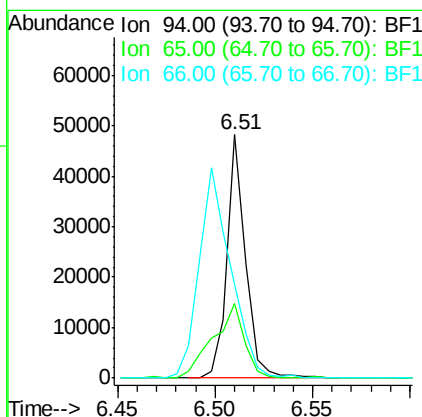
RT: 6.51 min Scan# 752

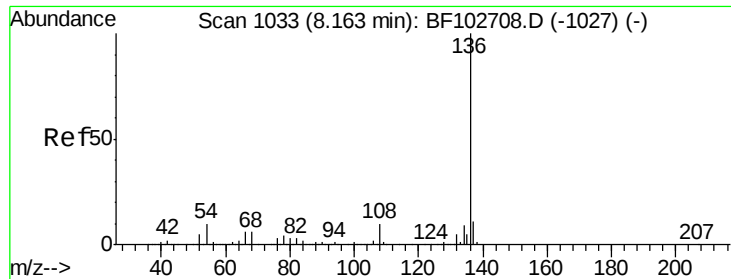
Delta R.T. 0.00 min

Lab File: BF102969.D

Acq: 13 Feb 2018 18:40

Tgt Ion:	94	Resp:	31906
Ion Ratio	Lower	Upper	
94	100		
65	30.6	7.9	47.9
66	38.8	16.2	56.2





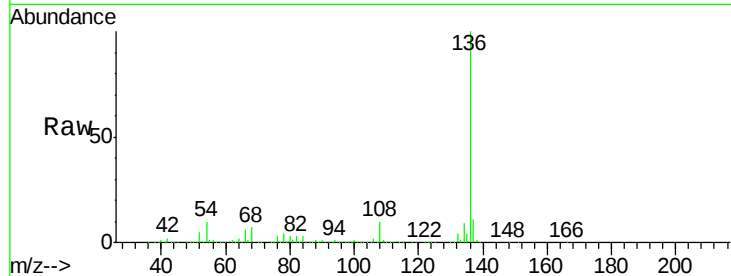
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF102969.D
Acq: 13 Feb 2018 18:40

Instrument :
BNA_F
ClientSampled :
MM-1

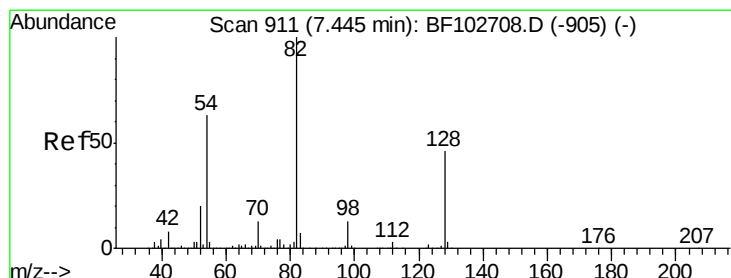
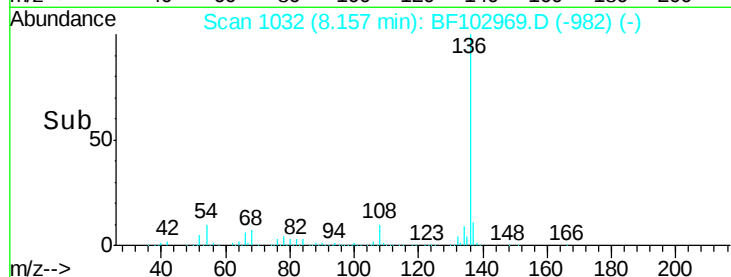
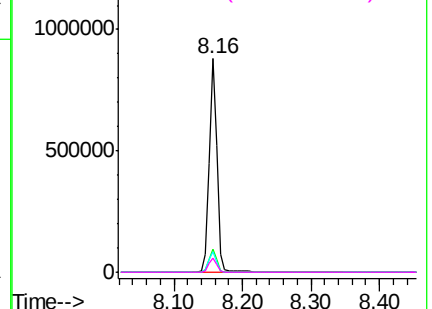
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.9	13.3	
54	9.7	6.6	9.8	
68	6.9	5.0	7.4	

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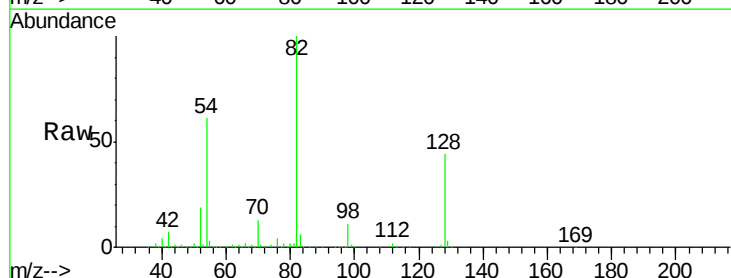


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

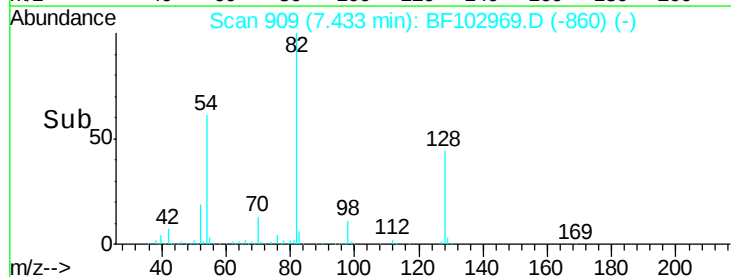
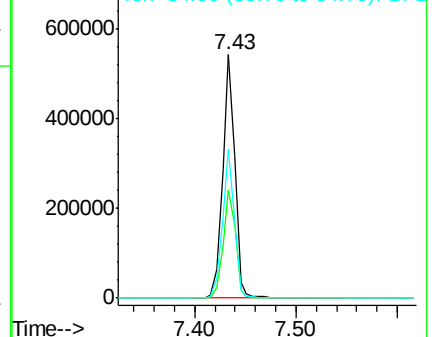


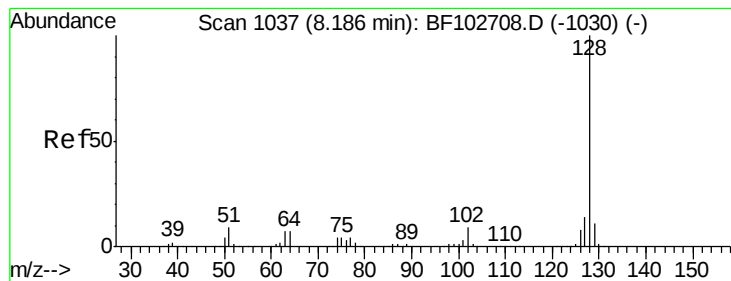
#23
Nitrobenzene-d5
Concen: 43.220 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF102969.D
Acq: 13 Feb 2018 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.3	36.1	54.1	
54	61.2	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 3.757 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF102969.D

Acq: 13 Feb 2018 18:40

Instrument :

BNA_F

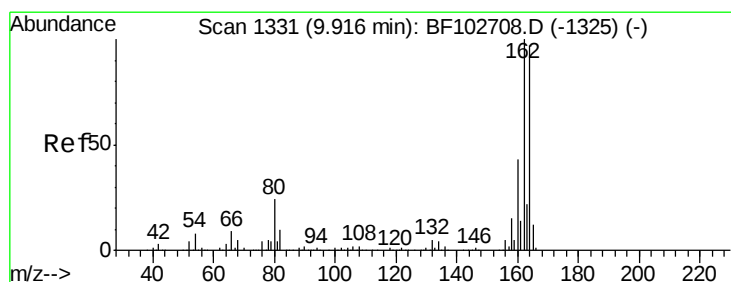
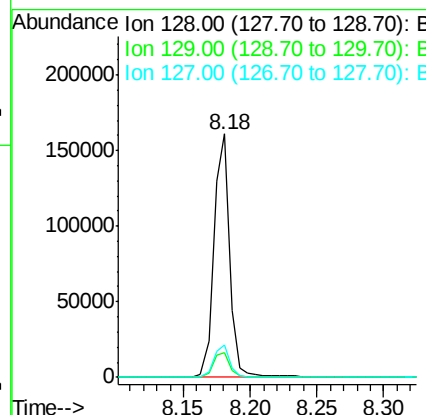
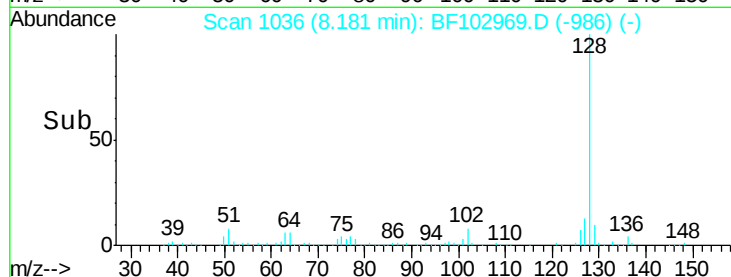
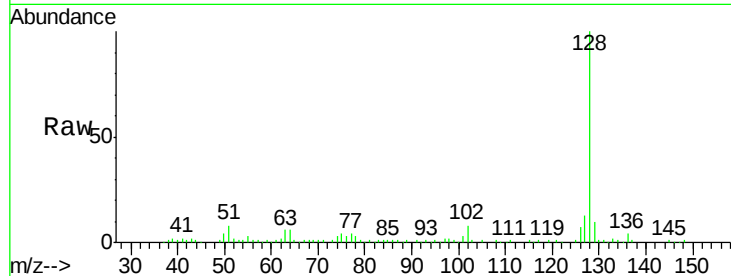
ClientSampleId :

MM-1

Tot Ion:	128	Resp:	133573
Ion Ratio	Lower	Upper	
128	100		
129	10.3	8.8	13.2
127	13.1	10.9	16.3

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#38

Acenaphthene-d10

Concen: 20.000 ng

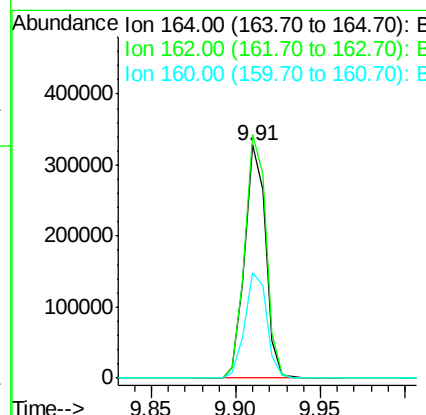
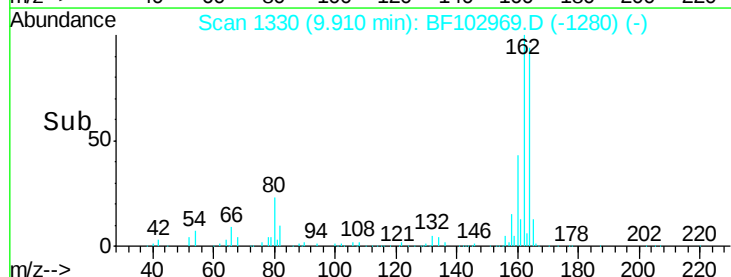
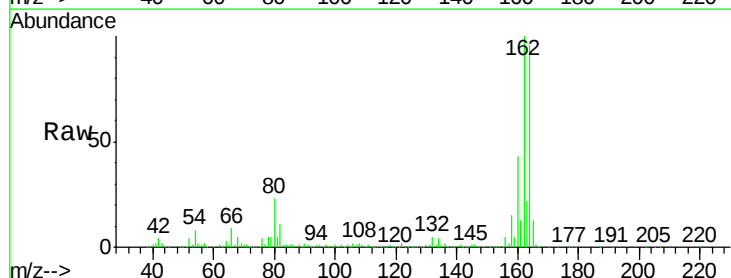
RT: 9.91 min Scan# 1330

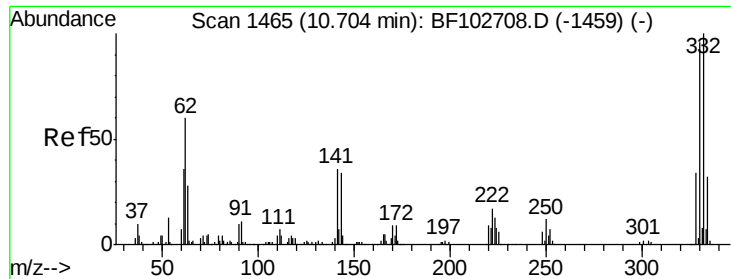
Delta R.T. -0.01 min

Lab File: BF102969.D

Acq: 13 Feb 2018 18:40

Tgt Ion:	164	Resp:	284317
Ion Ratio	Lower	Upper	
164	100		
162	104.6	86.1	129.1
160	45.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 44.622 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BF102969.D

Acq: 13 Feb 2018 18:40

Instrument :

BNA_F

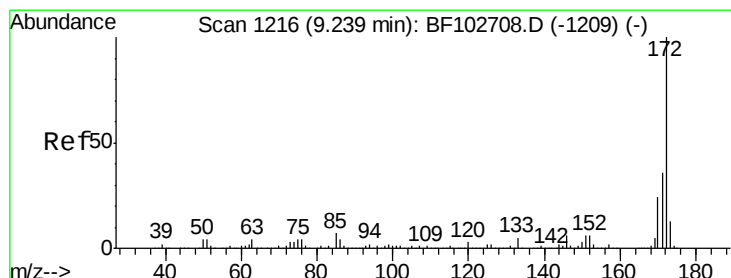
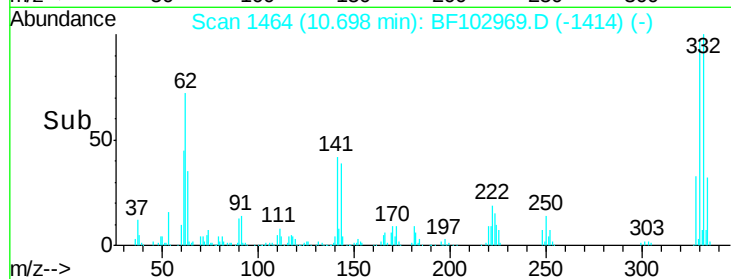
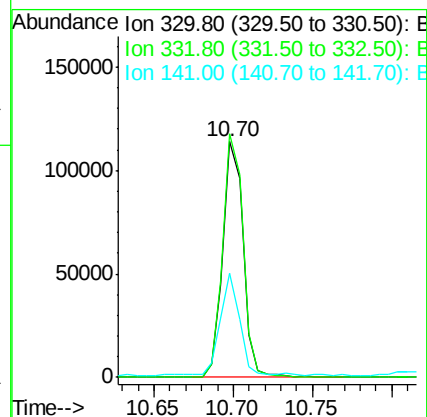
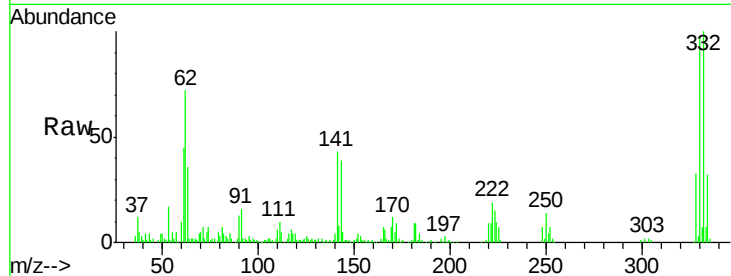
ClientSampled :

MM-1

Tot Ion:	330	Resp:	102115
Ion Ratio	Lower	Upper	
330	100		
332	102.6	77.0	115.6
141	42.7	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 38.110 ng

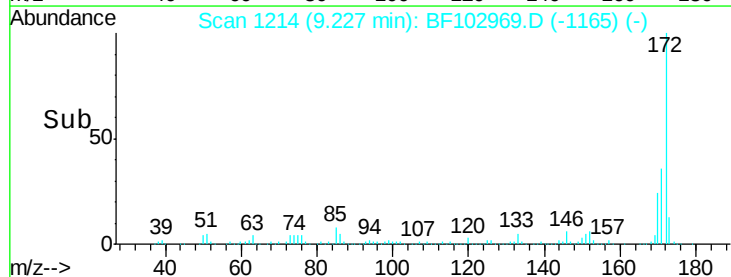
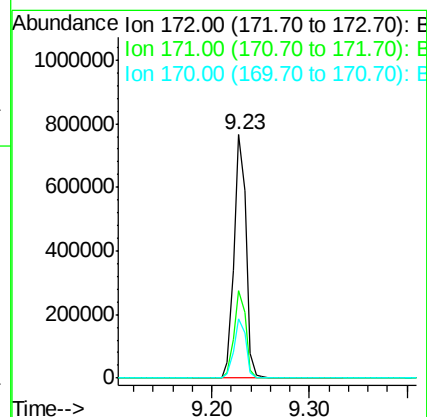
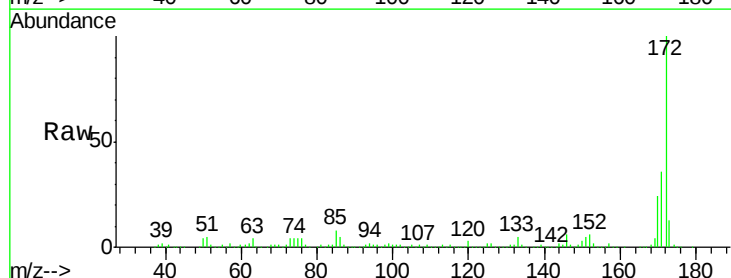
RT: 9.23 min Scan# 1214

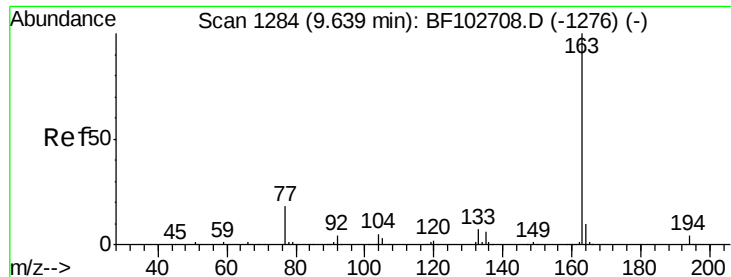
Delta R.T. -0.01 min

Lab File: BF102969.D

Acq: 13 Feb 2018 18:40

Tgt Ion:	172	Resp:	652977
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.7	44.5
170	24.4	19.6	29.4





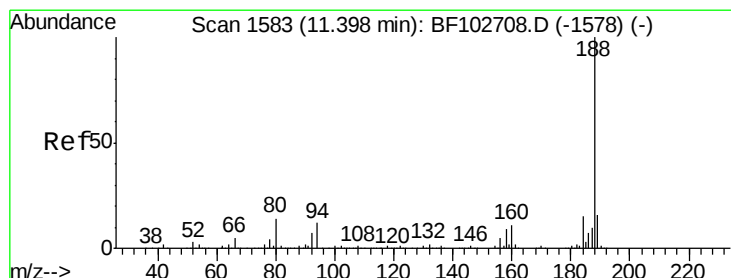
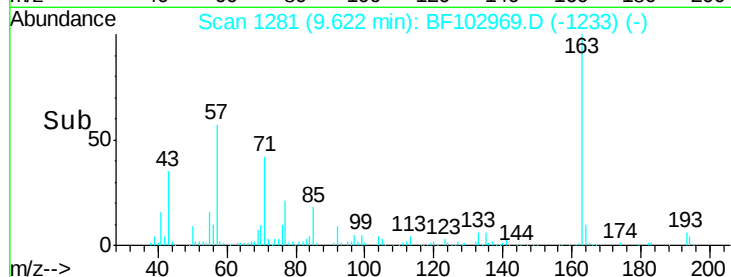
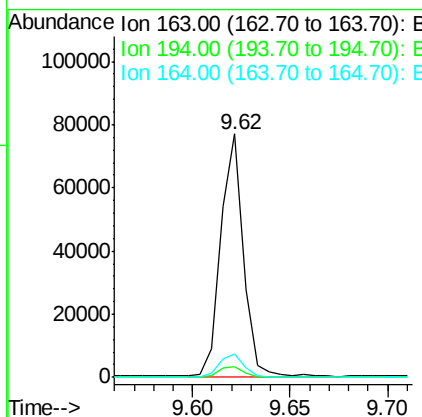
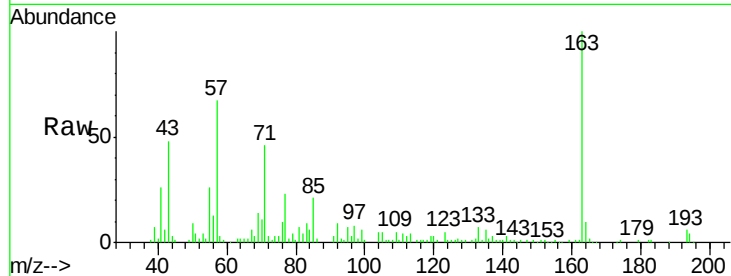
#49
 Dimethylphthalate
 Concen: 2.782 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: BF102969.D
 Acq: 13 Feb 2018 18:40

Instrument :
 BNA_F
 ClientSampleID :
 MM-1

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.7	4.1#
164	9.7	8.2	12.2

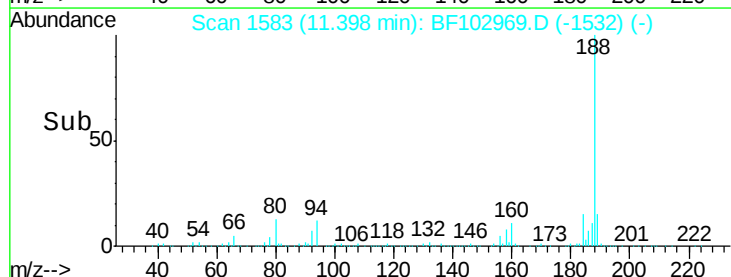
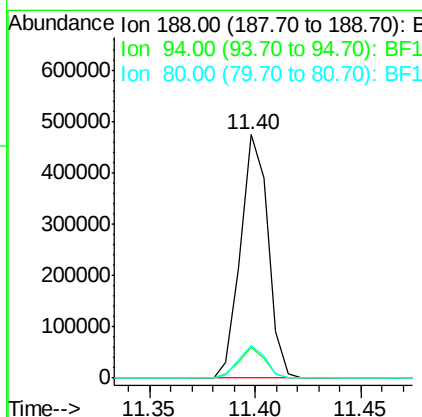
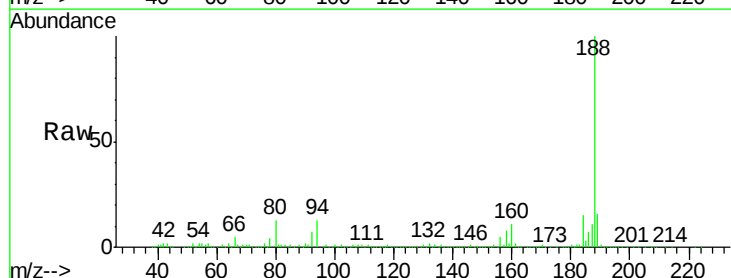
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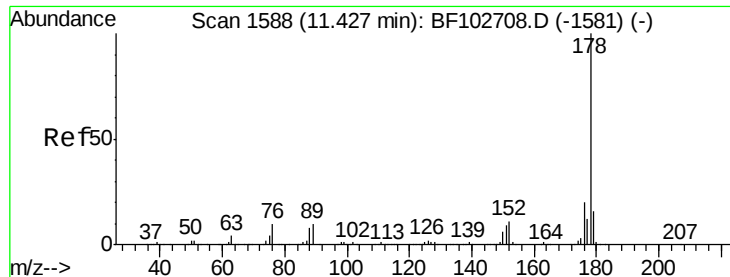
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BF102969.D
 Acq: 13 Feb 2018 18:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.6	8.5	12.7
80	13.5	9.2	13.8





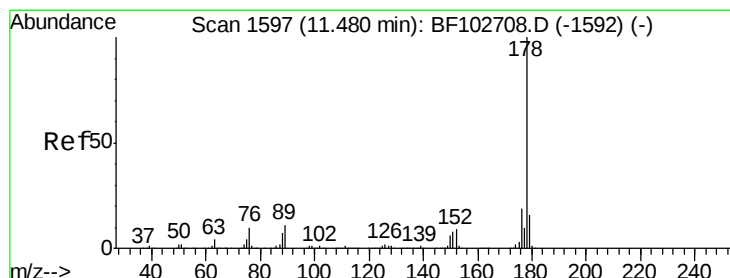
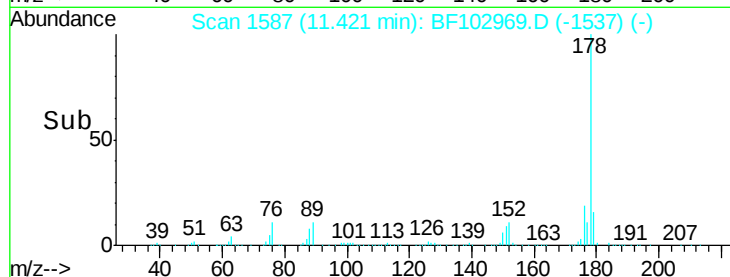
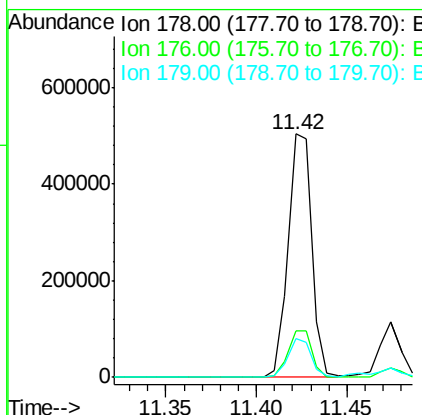
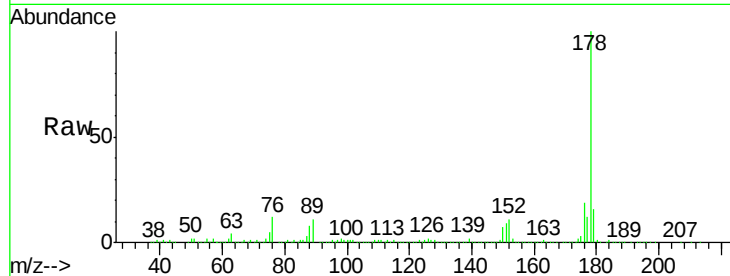
#70
Phenanthrene
Concen: 19.380 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF102969.D
Acq: 13 Feb 2018 18:40

Instrument :
BNA_F
ClientSampleId :
MM-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	16.0	13.0	19.6

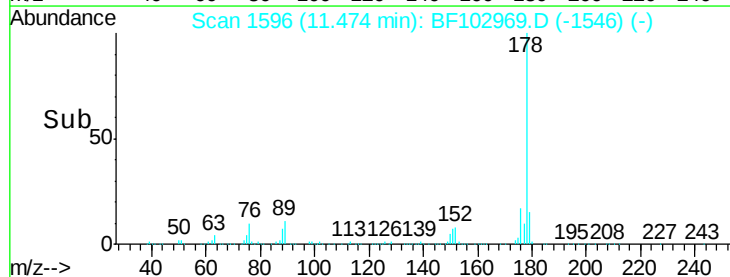
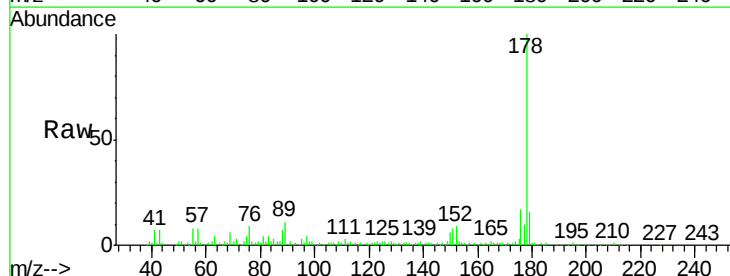
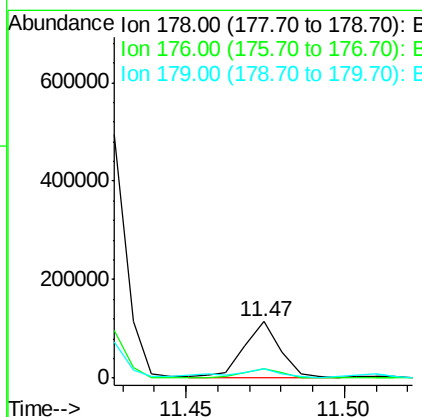
Manual Integrations
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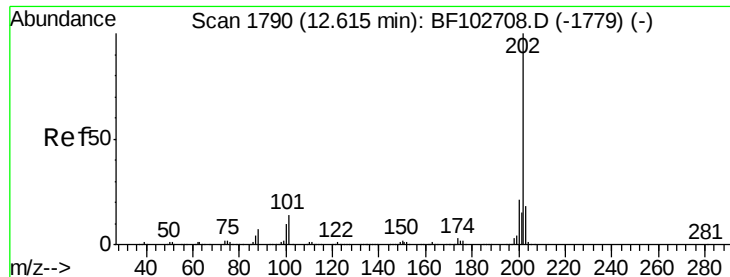
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#71
Anthracene
Concen: 3.631 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF102969.D
Acq: 13 Feb 2018 18:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	16.0	12.6	19.0





#74

Fluoranthene

Concen: 14.786 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BF102969.D

Acq: 13 Feb 2018 18:40

Instrument :

BNA_F

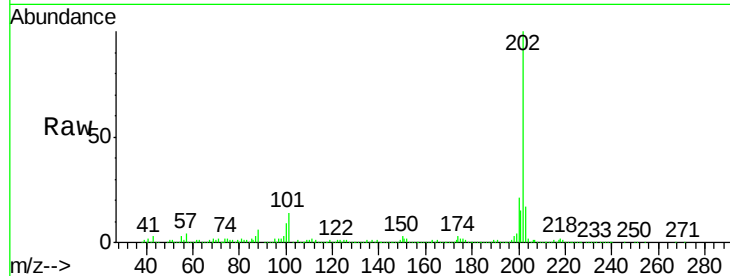
ClientSampled :

MM-1

Tot Ion:	202	Resp:	354983
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	34.1
203	17.3	0.0	38.1

Manual Integrations
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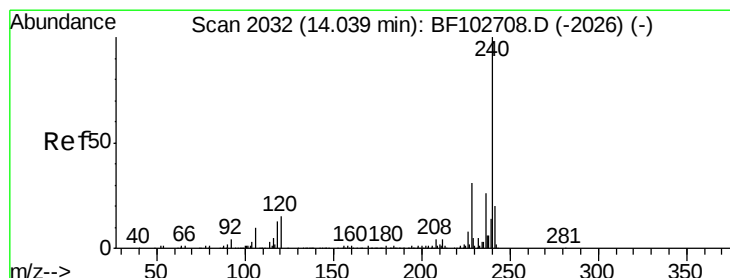
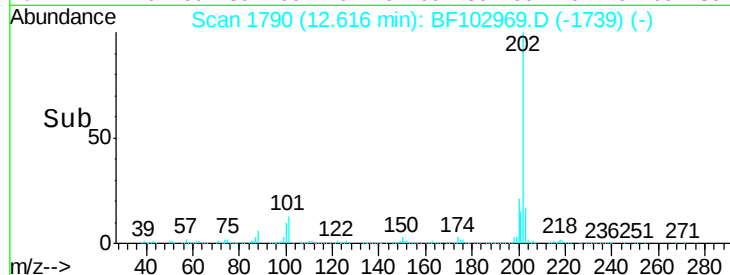
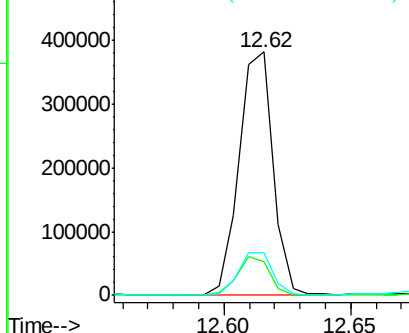
Sohil
2/14/2018 10:29:44 AM



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

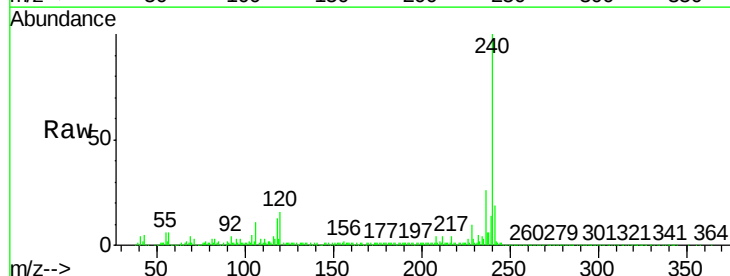
RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF102969.D

Acq: 13 Feb 2018 18:40

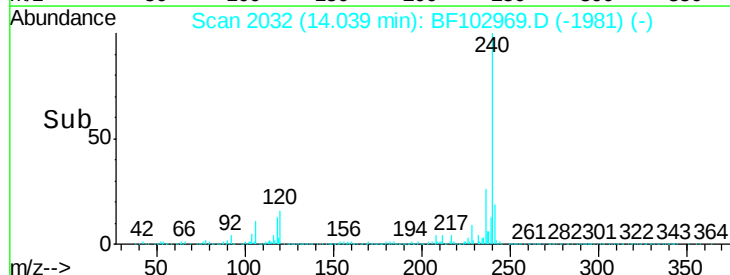
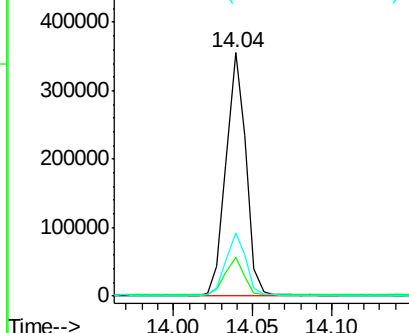
Tgt Ion:	240	Resp:	308991
Ion Ratio	Lower	Upper	
240	100		
120	16.1	9.5	14.3#
236	25.8	20.7	31.1

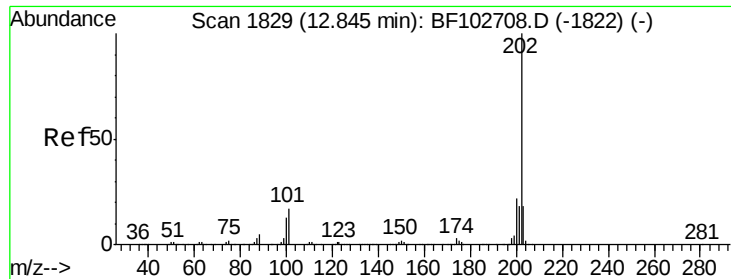


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 14.673 ng

RT: 12.84 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BF102969.D

Acq: 13 Feb 2018 18:40

Instrument :

BNA_F

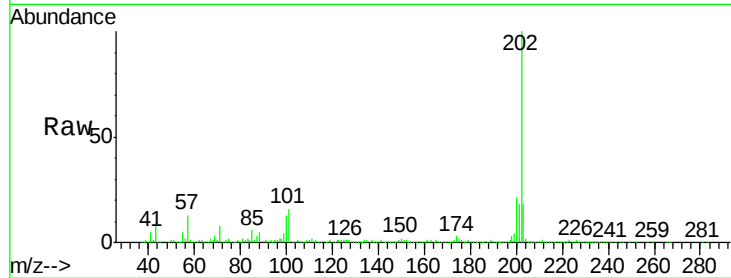
ClientSampled :

MM-1

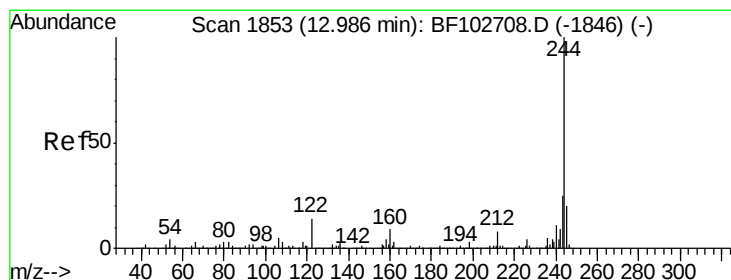
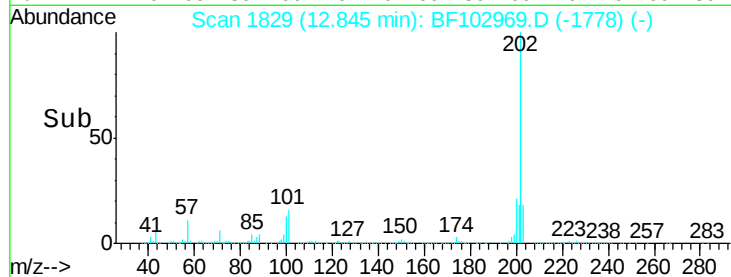
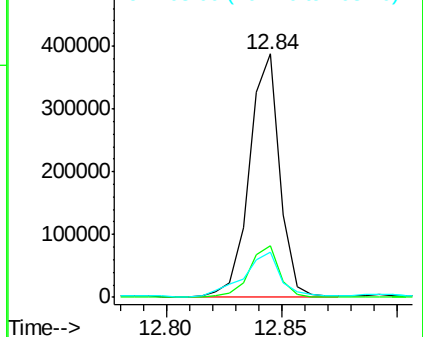
Tot Ion:	202	Resp:	355532
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.5	14.3	21.5

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 34.859 ng

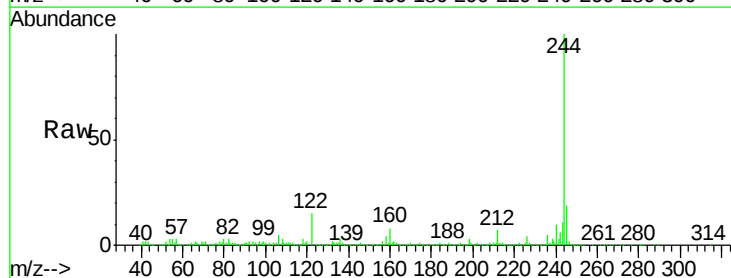
RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

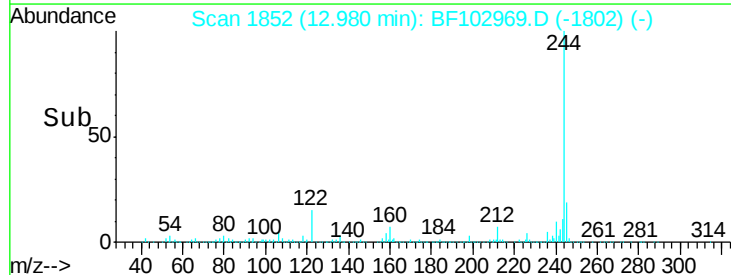
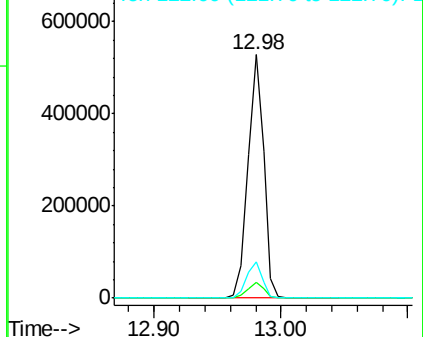
Lab File: BF102969.D

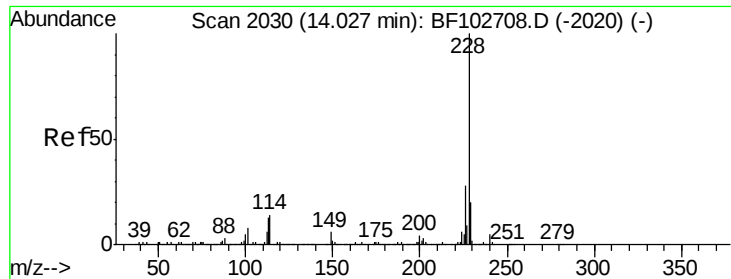
Acq: 13 Feb 2018 18:40

Tgt Ion:	244	Resp:	454900
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	14.9	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





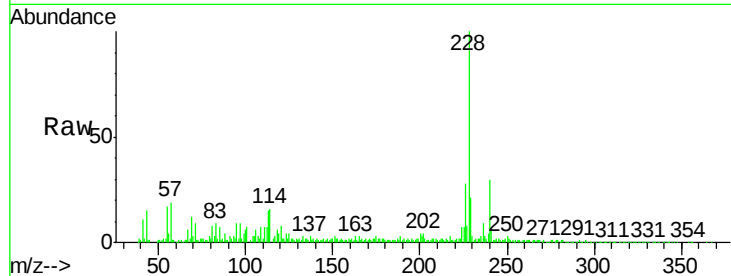
#80
Benzo(a)anthracene
Concen: 7.231 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF102969.D
Acq: 13 Feb 2018 18:40

Instrument :
BNA_F
ClientSampled :
MM-1

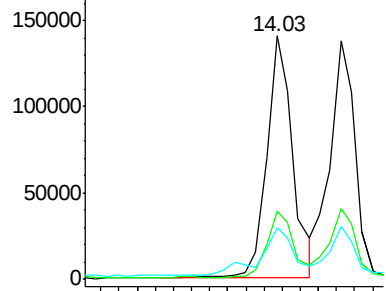
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	21.4	15.8	23.6

Manual Integrations
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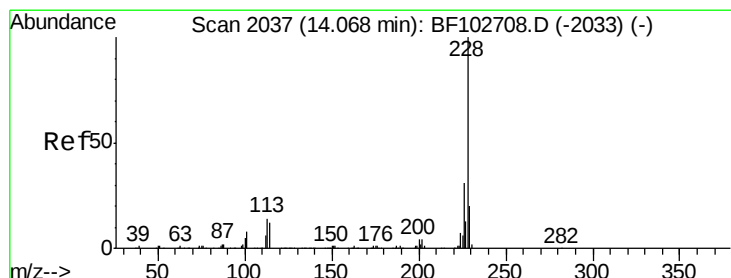
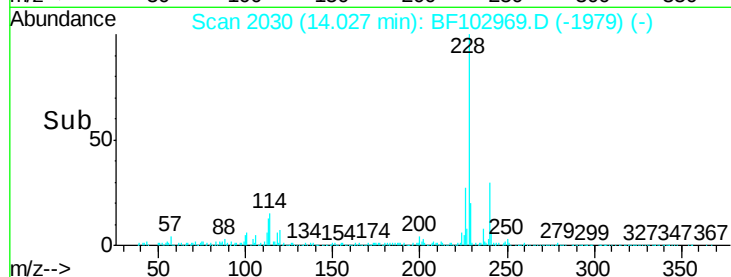
Sohil
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

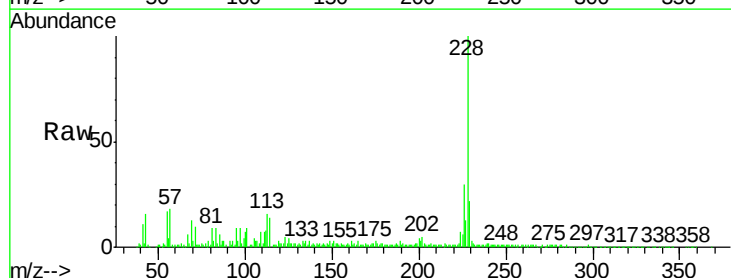


Time-->

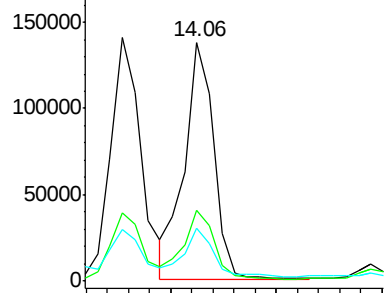


#82
Chrysene
Concen: 6.840 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF102969.D
Acq: 13 Feb 2018 18:40

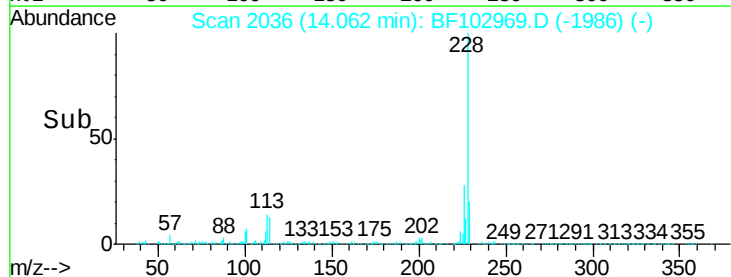
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	21.9	16.2	24.4

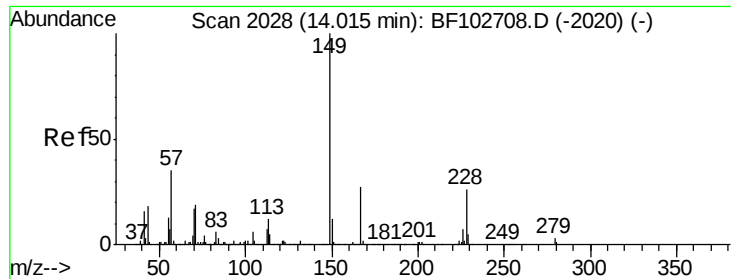


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





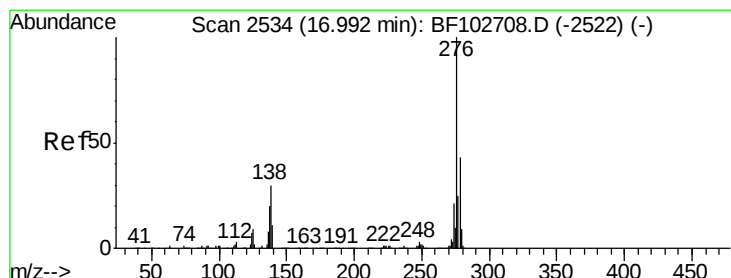
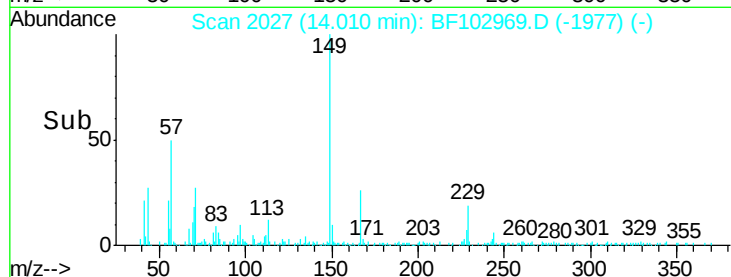
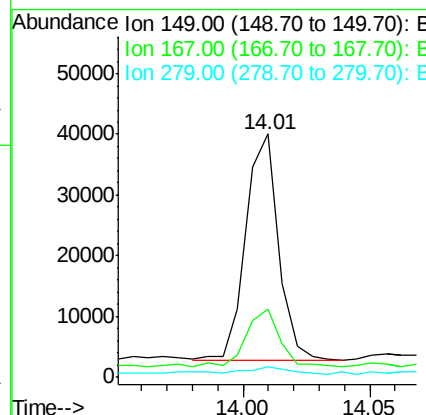
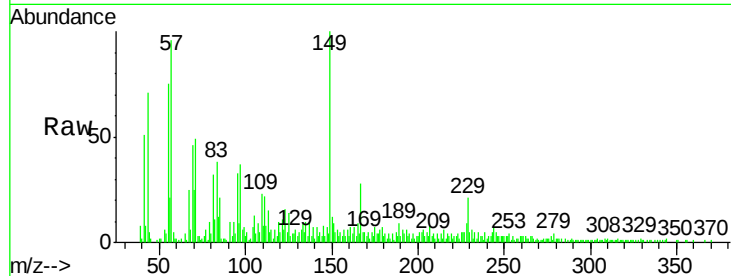
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.243 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF102969.D
 Acq: 13 Feb 2018 18:40

Instrument :
 BNA_F
 ClientSampled :
 MM-1

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.0	21.3	31.9
279	4.1	3.0	4.4

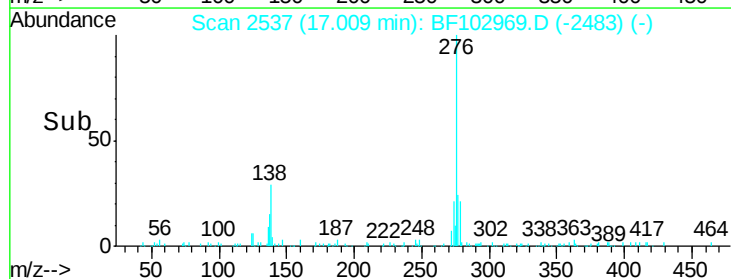
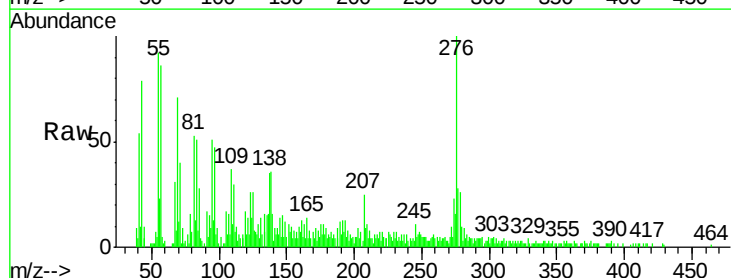
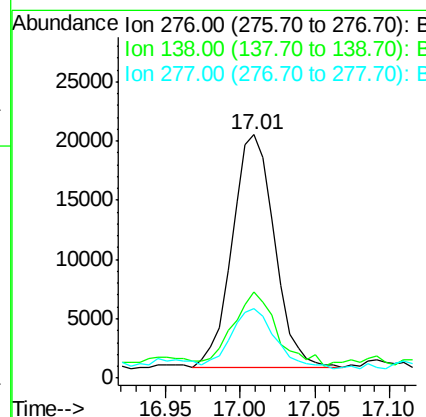
Manual Integrations
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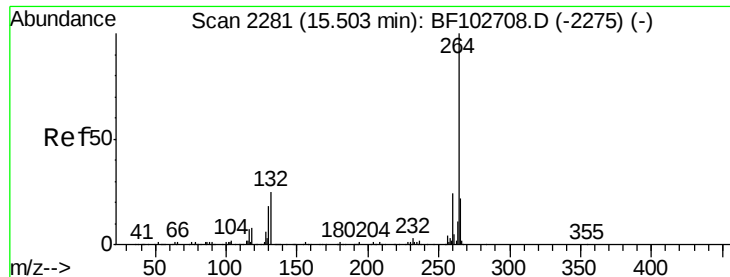
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.365 ng
 RT: 17.01 min Scan# 2537
 Delta R.T. 0.02 min
 Lab File: BF102969.D
 Acq: 13 Feb 2018 18:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.3	25.0	37.6
277	25.8	20.1	30.1





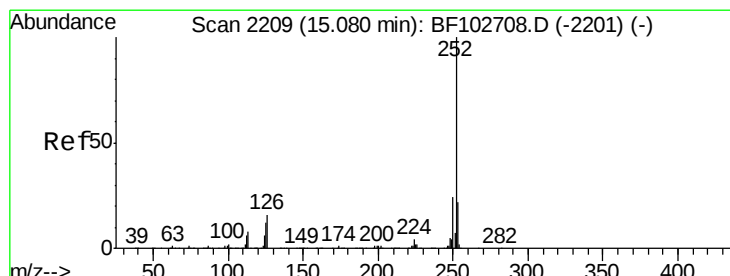
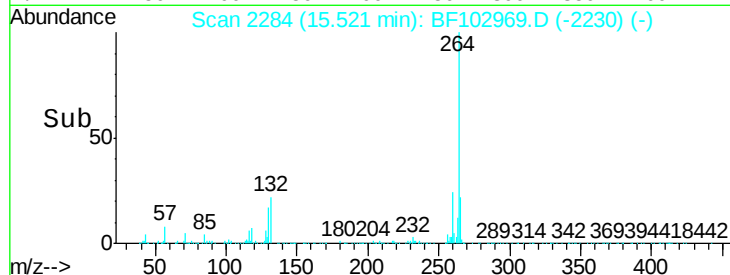
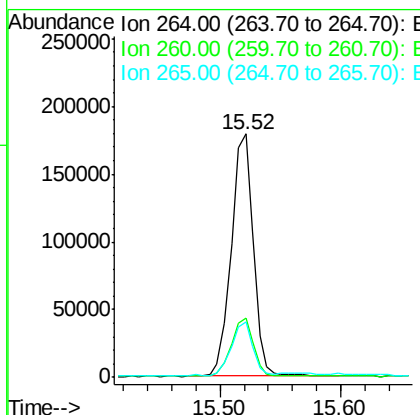
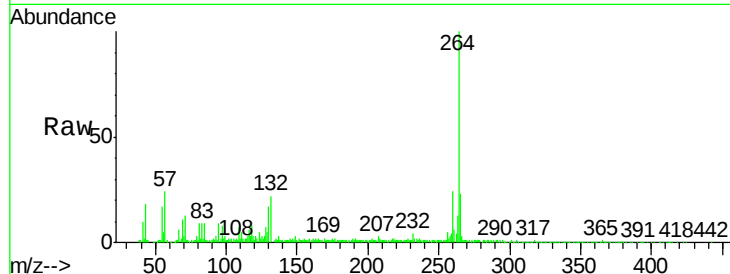
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.02 min
Lab File: BF102969.D
Acq: 13 Feb 2018 18:40

Instrument :
BNA_F
ClientSampleId :
MM-1

Tot Ion:	264	Resp:	227423
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.2	28.8
265	22.7	17.5	26.3

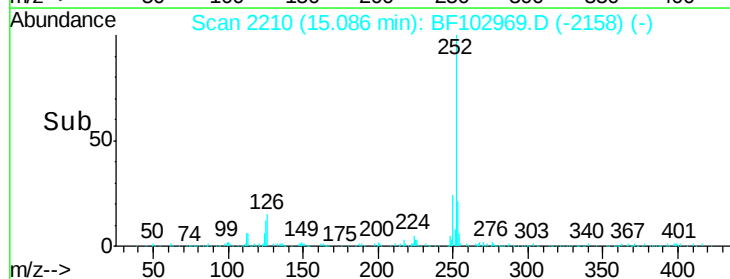
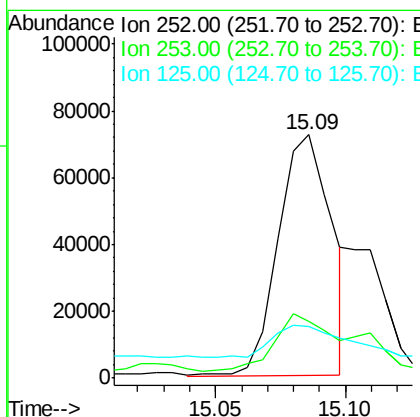
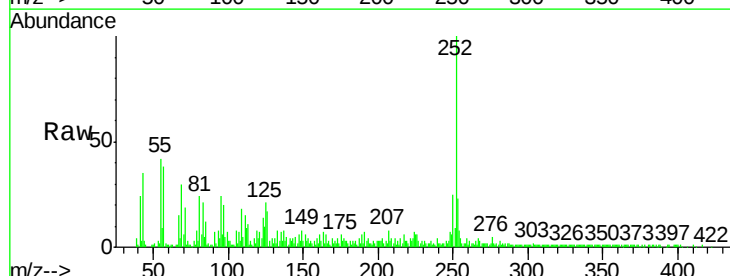
Manual Integrations
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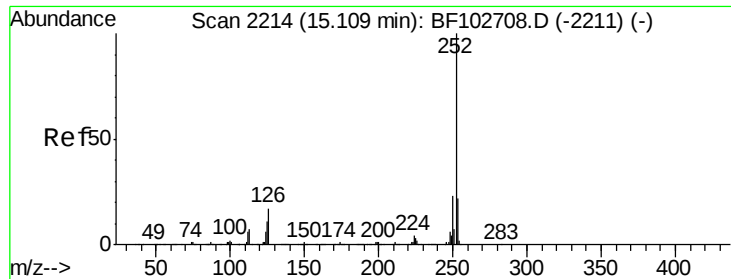
Sohil
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#87
Benzo(b)fluoranthene
Concen: 6.937 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF102969.D
Acq: 13 Feb 2018 18:40

Tgt Ion:	252	Resp:	102281
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.0	25.6
125	21.3	9.0	13.6





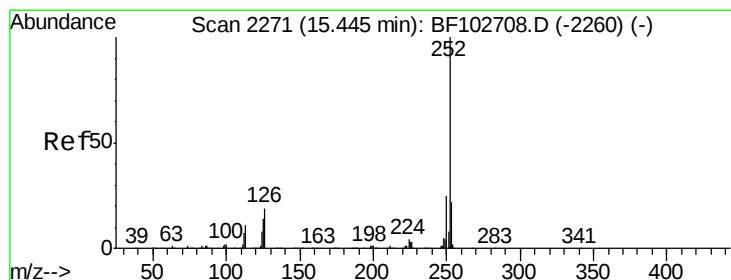
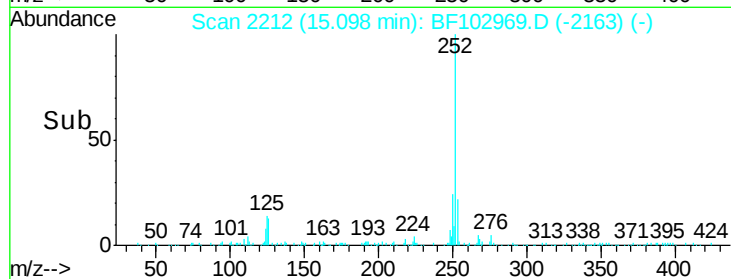
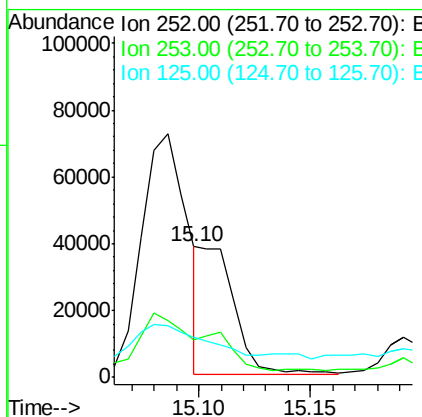
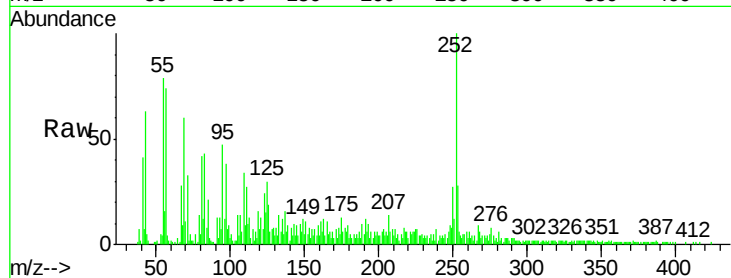
#88
Benzo(k)fluoranthene
Concen: 2.833 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF102969.D
Acq: 13 Feb 2018 18:40

Instrument :
BNA_F
ClientSampled :
MM-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.9	26.9#
125	30.2	10.2	15.2#

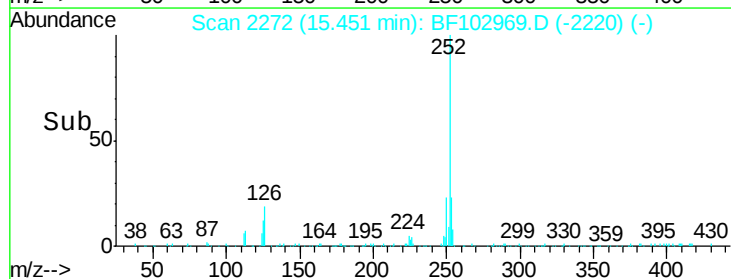
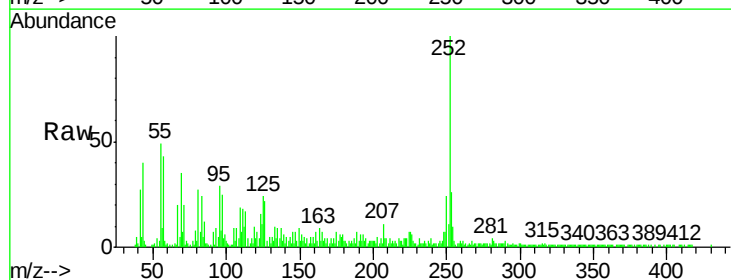
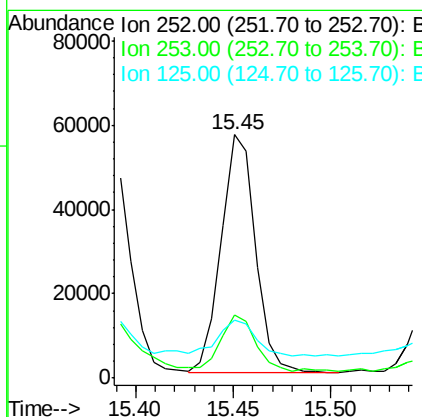
Manual Integrations
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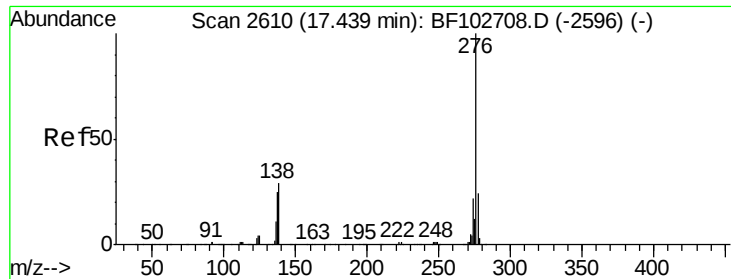
Sohil
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#89
Benzo(a)pyrene
Concen: 5.222 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF102969.D
Acq: 13 Feb 2018 18:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.1	25.7
125	23.7	9.8	14.6#





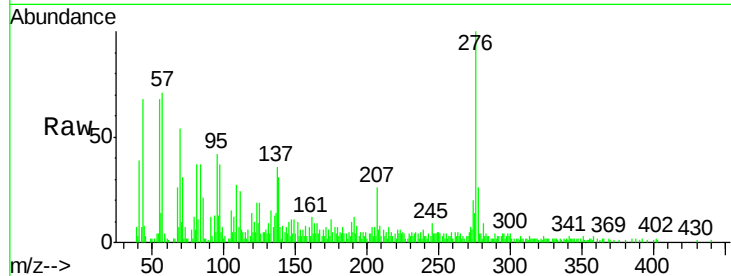
#91
Benzo(a,h,i)perylene
Concen: 4.680 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.02 min
Lab File: BF102969.D
Acq: 13 Feb 2018 18:40

Instrument :
BNA_F
ClientSampleId :
MM-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	25.9	17.9	26.9		
138	31.4	21.8	32.8		

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

