

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103375.D
 Acq On : 2 Mar 2018 19:44
 Operator : SJ/JU
 Sample : J1720-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-36

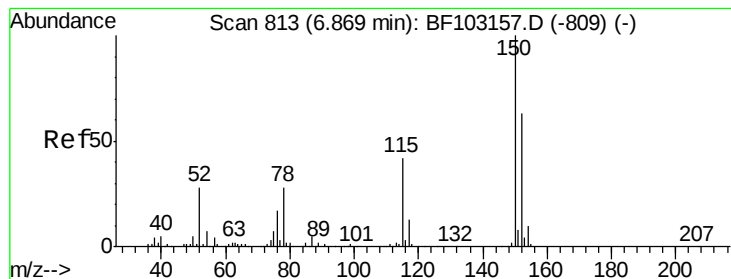
Manual Integrations
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 3/5/2018 3:13:32 PM

Quant Time: Mar 02 23:01:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 02 13:28:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	141086	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	597485	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	247403	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	360655	20.00	ng	0.00
75) Chrysene-d12	14.06	240	232463	20.00	ng	0.00
86) Perylene-d12	15.57	264	203356	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	990582	106.19	ng	0.00
7) Phenol-d6	6.52	99	1178162	103.21	ng	0.00
23) Nitrobenzene-d5	7.44	82	791500	75.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	183117	87.44	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1053846	70.41	ng	0.00
78) Terphenyl-d14	12.99	244	665369	68.80	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.63	163	122853	6.190	ng	99
70) Phenanthrene	11.43	178	282777	14.247	ng	98
71) Anthracene	11.49	178	83908	4.123	ng	100
74) Fluoranthene	12.63	202	463167	23.222	ng	98
77) Pyrene	12.86	202	432356	23.855	ng	100
80) Benzo(a)anthracene	14.05	228	222717	14.766	ng	98
82) Chrysene	14.09	228	211709	14.456	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	81481	7.028	ng	95
87) Benzo(b)fluoranthene	15.13	252	244793m	18.308	ng	
88) Benzo(k)fluoranthene	15.16	252	81220m	6.451	ng	
89) Benzo(a)pyrene	15.52	252	165590	13.869	ng	# 92
90) Dibenzo(a,h)anthracene	17.12	278	21748	2.357	ng	# 60
91) Benzo(a,h,i)perylene	17.59	276	77061	8.546	ng	# 89

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



#1

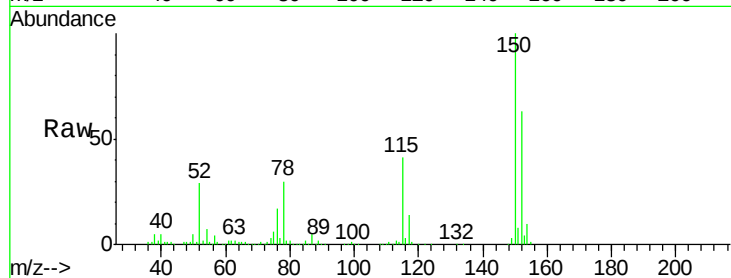
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Instrument :
BNA_F
ClientSampled :
SP-36

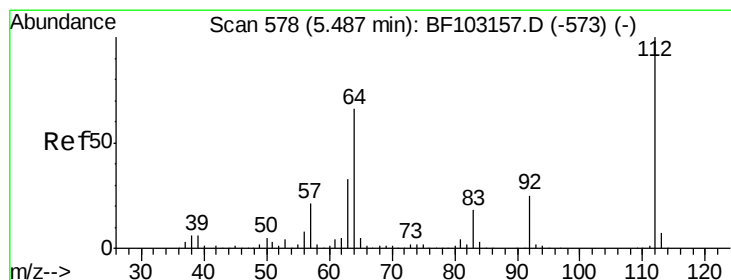
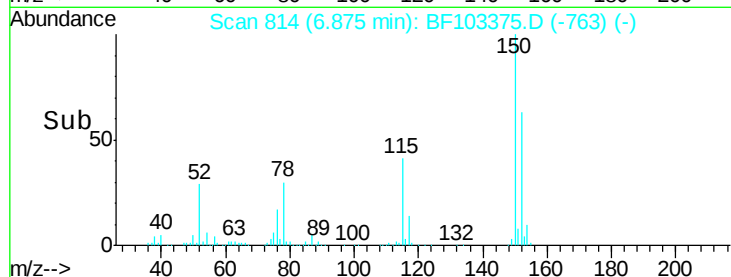
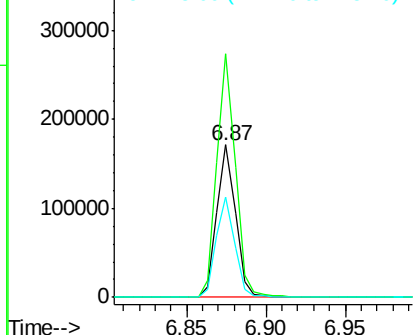
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.6	186.8
115	65.9	50.1	75.1

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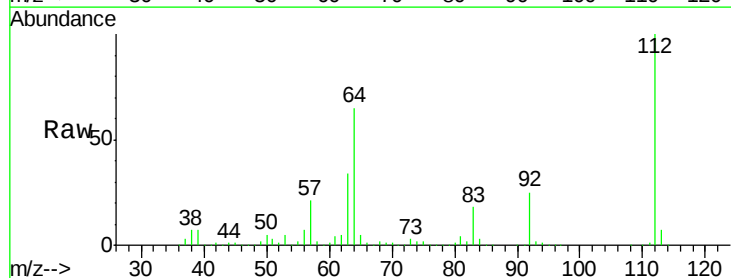
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



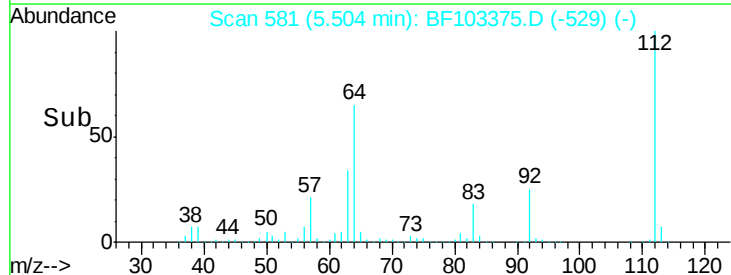
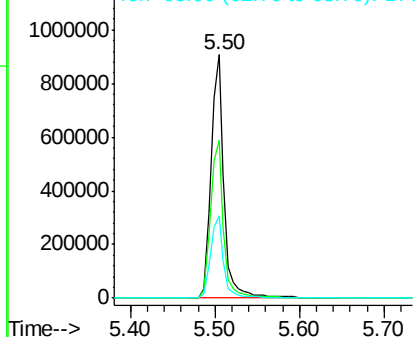
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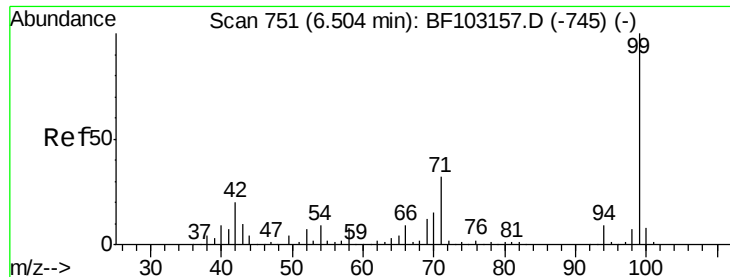
2-Fluorophenol
Concen: 106.189 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	47.9	71.9
63	34.1	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: 103.214 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103375.D

Acq: 2 Mar 2018 19:44

Instrument :

BNA_F

ClientSampled :

SP-36

Tot Ion: 99 Resp: 1178162

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

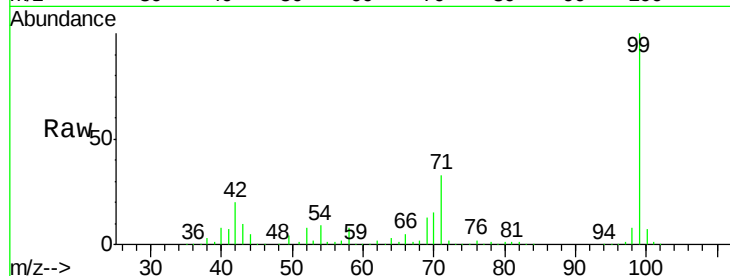
71 33.2 25.4 38.0

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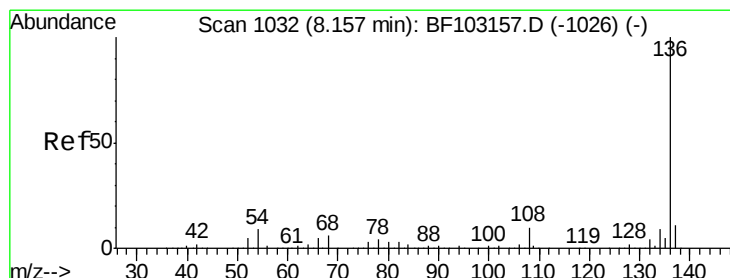
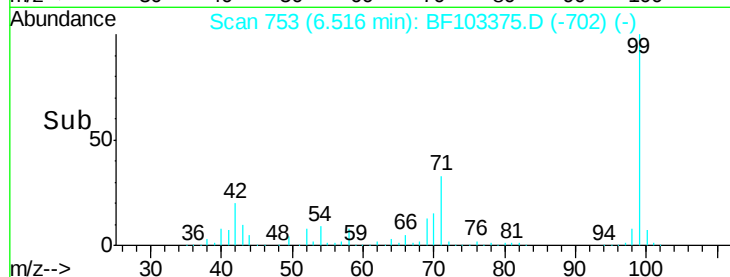
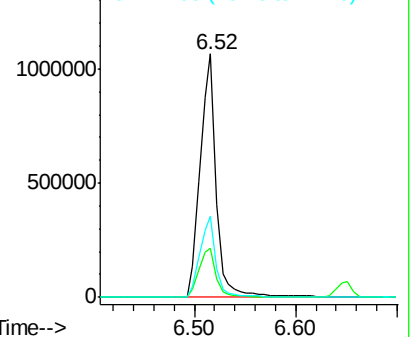
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103375.D

Acq: 2 Mar 2018 19:44

Tgt Ion: 136 Resp: 597485

Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 10.1 6.6 9.8#

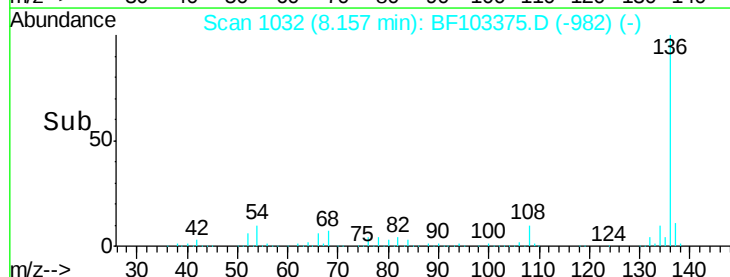
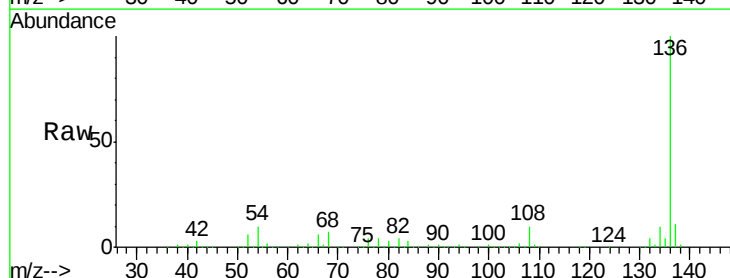
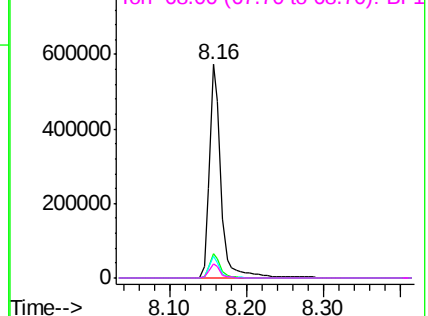
68 6.9 5.0 7.4

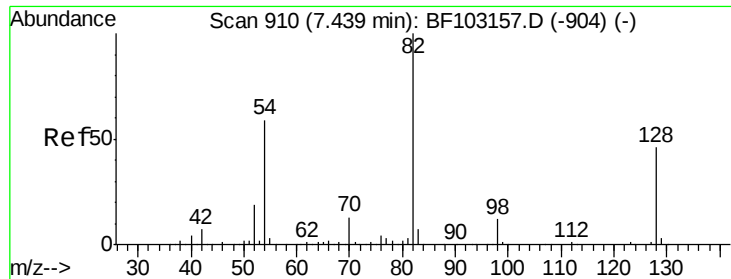
Abundance Ion 136.00 (135.70 to 136.70): E

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





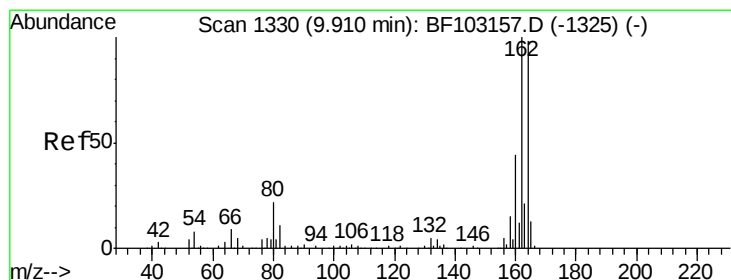
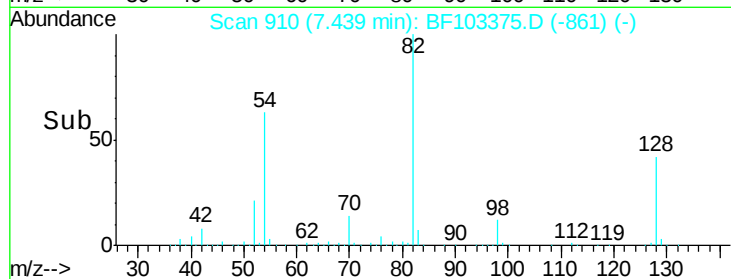
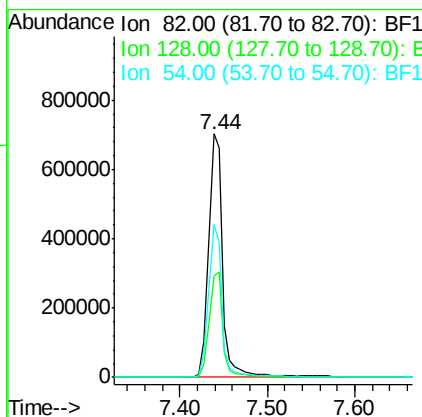
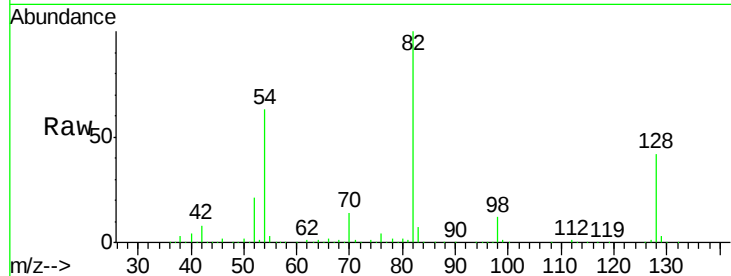
#23
 Nitrobenzene-d5
 Concen: 75.653 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF103375.D
 Acq: 2 Mar 2018 19:44

Instrument :
 BNA_F
 ClientSampled :
 SP-36

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	36.1	54.1
54	62.6	41.4	62.2

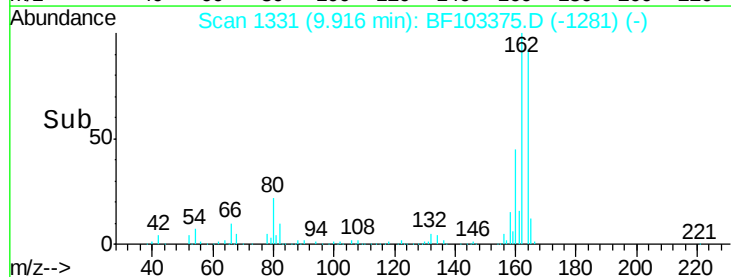
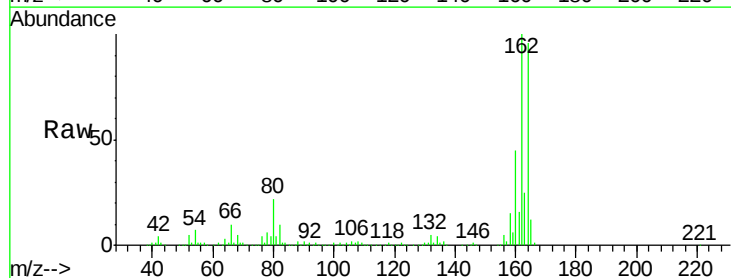
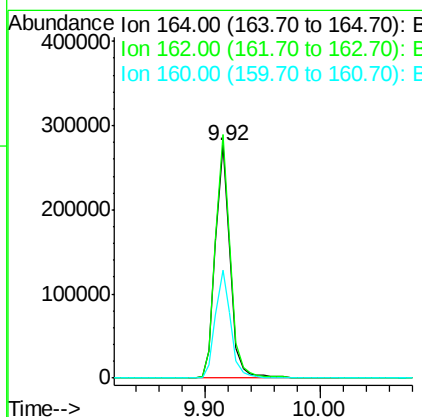
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103375.D
 Acq: 2 Mar 2018 19:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	46.6	38.3	57.5





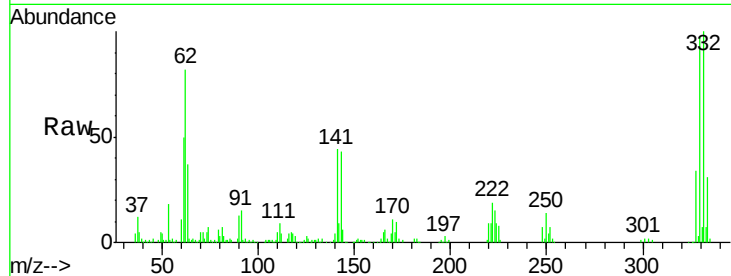
#41
 2,4,6-Tribromophenol
 Concen: 87.443 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103375.D
 Acq: 2 Mar 2018 19:44

Instrument :
 BNA_F
 ClientSampled :
 SP-36

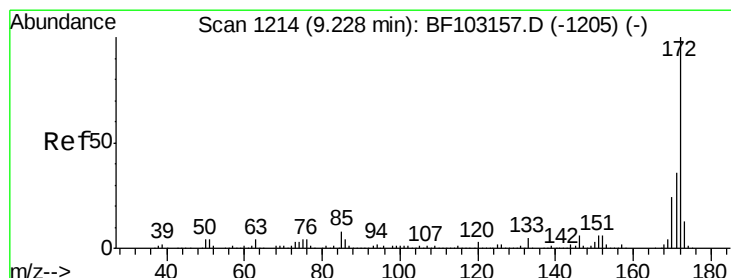
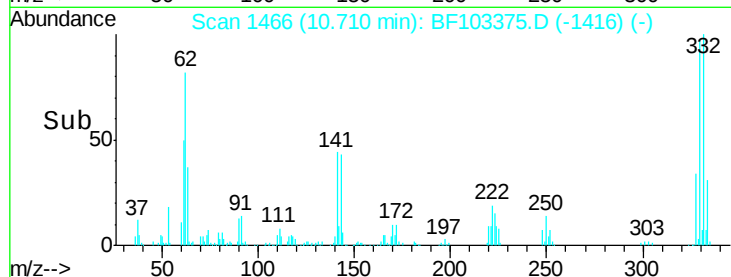
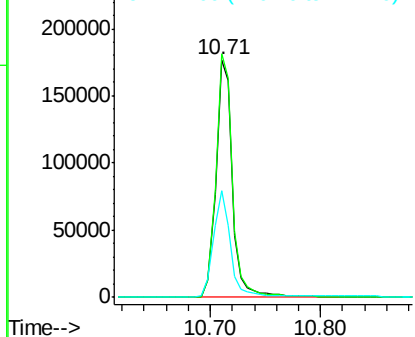
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.6	77.0	115.6	
141	44.8	29.9	44.9	

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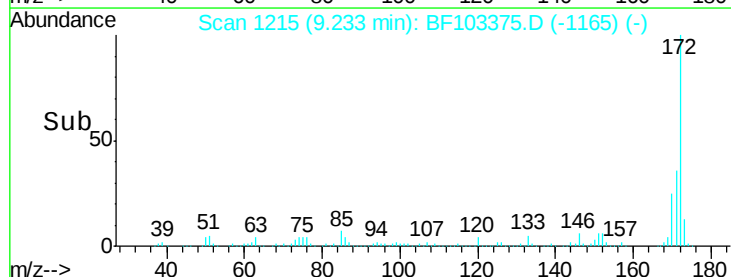
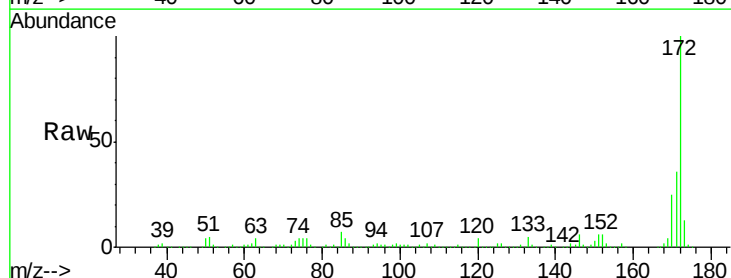
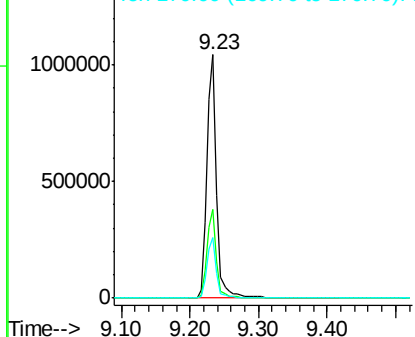
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

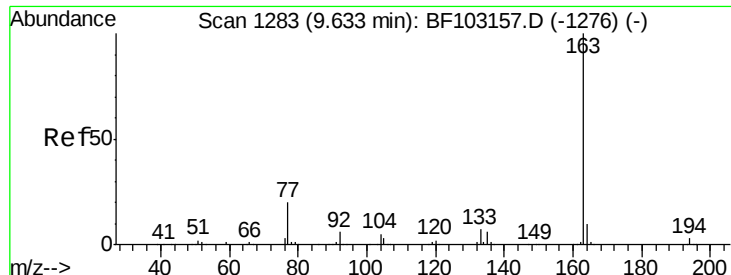


#44
 2-Fluorobiphenyl
 Concen: 70.408 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103375.D
 Acq: 2 Mar 2018 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2	29.7	44.5	
170	25.1	19.6	29.4	

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





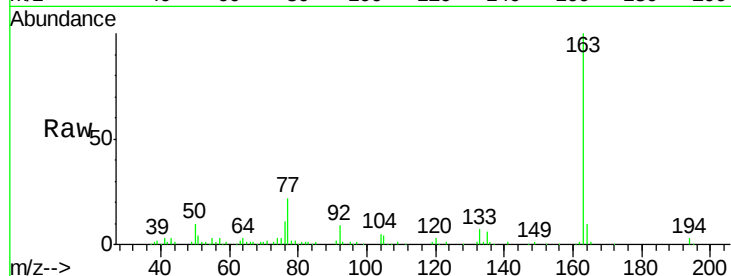
#49
Dimethylphthalate
Concen: 6.190 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Instrument :
BNA_F
ClientSampleId :
SP-36

Tot Ion	Ratio	Resp	Lower	Upper
163	100	122853		
194	3.4	2.7	4.1	
164	9.7	8.2	12.2	

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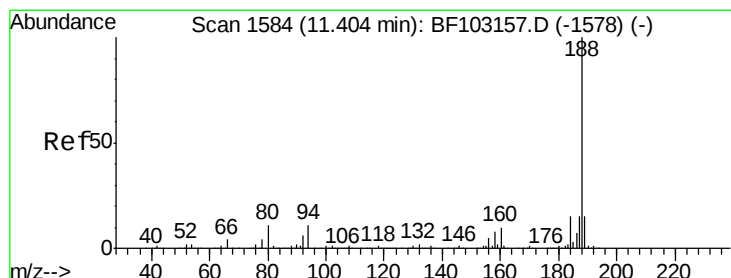
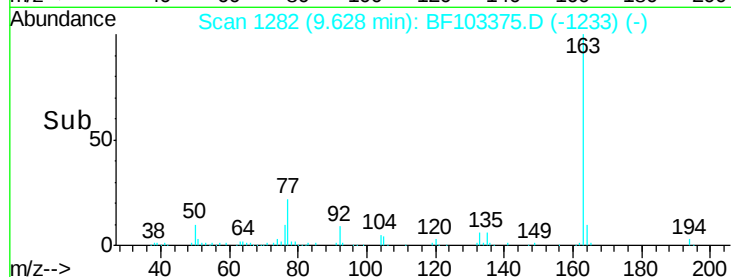
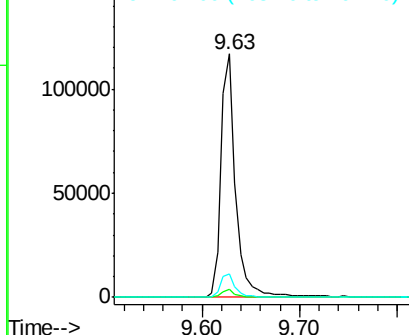


Abundance

Ion 163.00 (162.70 to 163.70): E

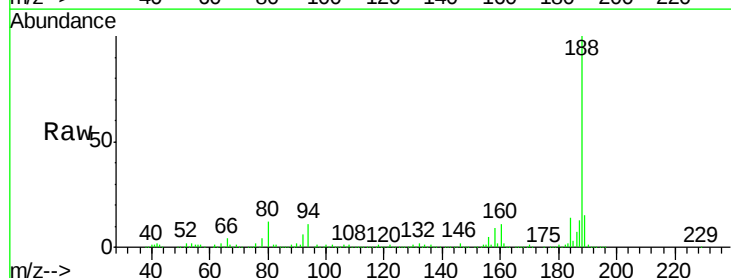
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	360655		
94	10.8	8.5	12.7	
80	11.9	9.2	13.8	

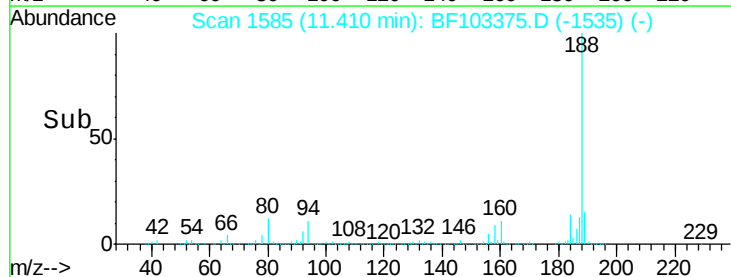
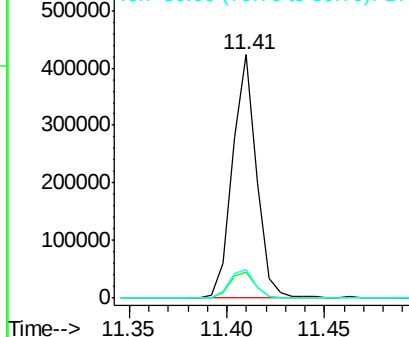


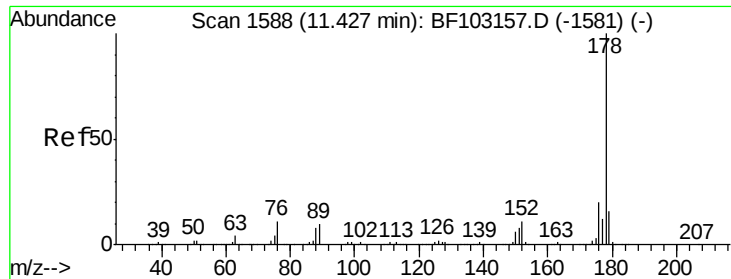
Abundance

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





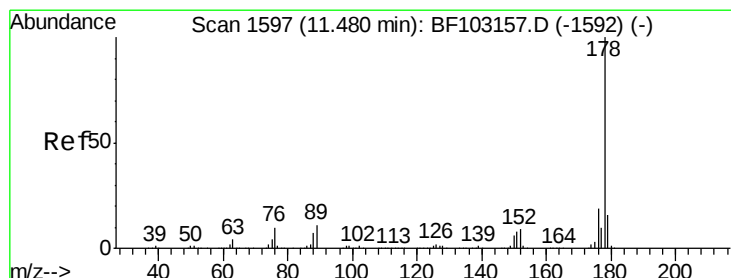
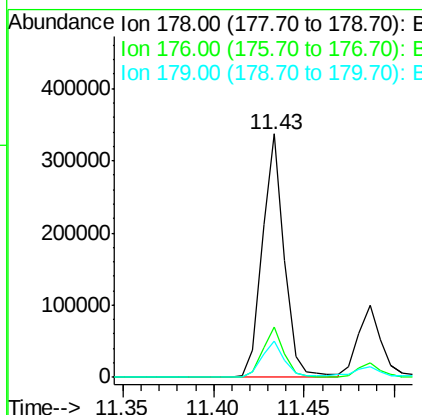
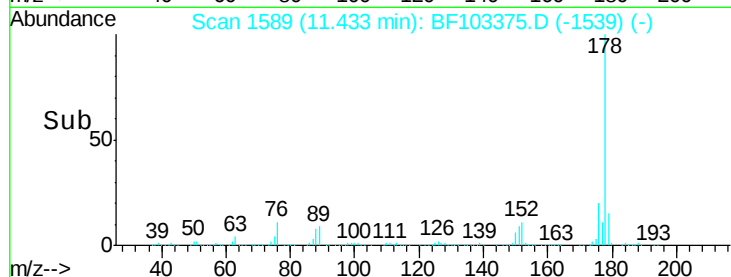
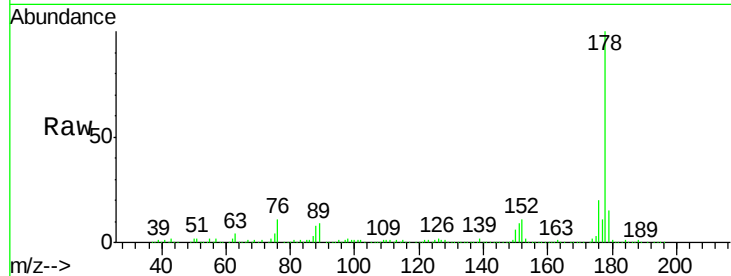
#70
Phenanthrene
Concen: 14.247 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Instrument :
BNA_F
ClientSampled :
SP-36

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	15.1	13.0	19.6

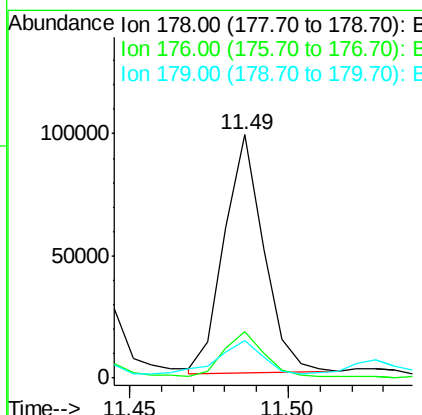
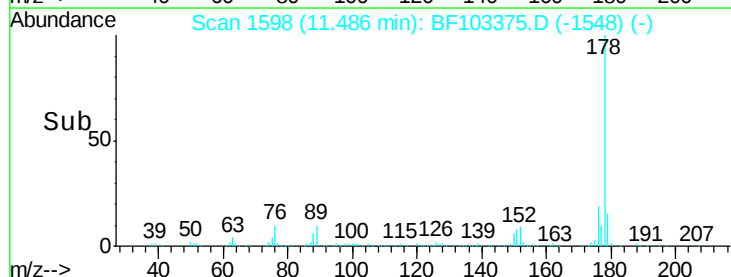
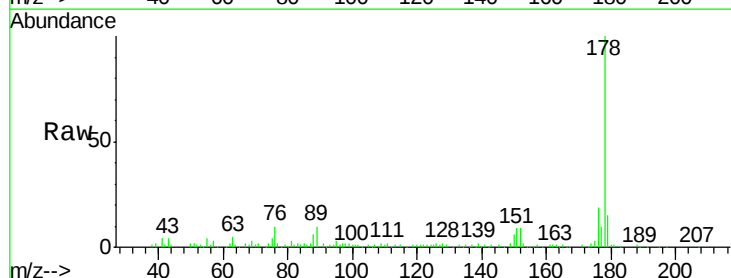
Manual Integrations
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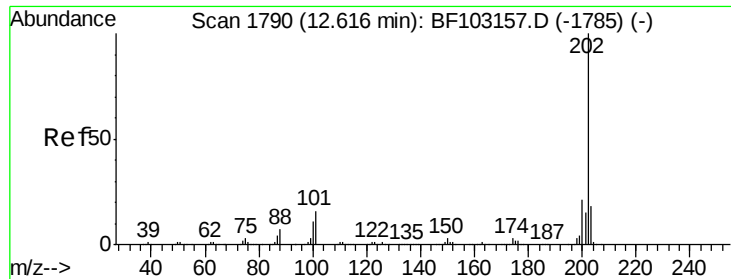
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#71
Anthracene
Concen: 4.123 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.4	12.6	19.0





#74

Fluoranthene

Concen: 23.222 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103375.D

Acq: 2 Mar 2018 19:44

Instrument :

BNA_F

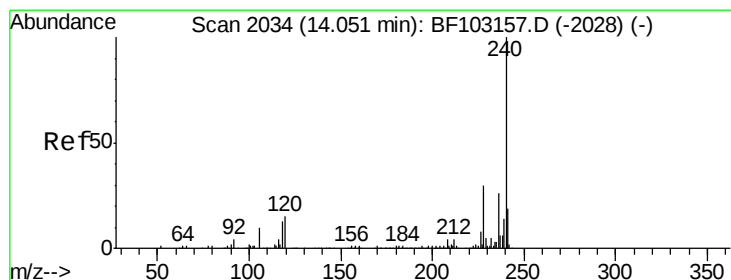
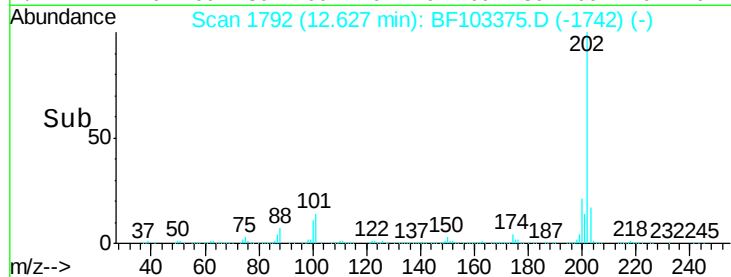
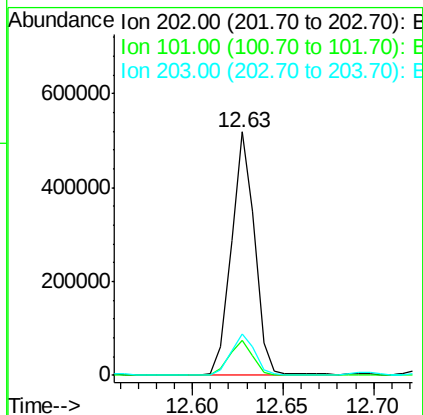
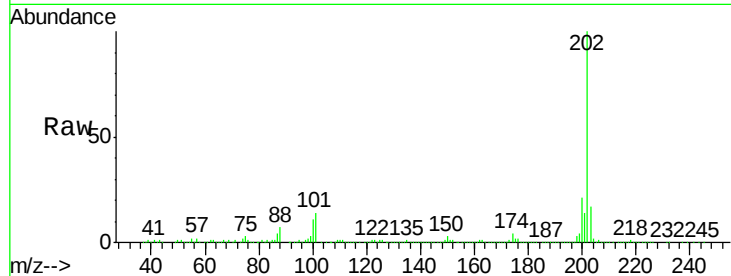
ClientSampleId :

SP-36

Tot Ion:	202	Resp:	463167
Ion Ratio		Lower	Upper
202	100		
101	14.4	0.0	34.1
203	17.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

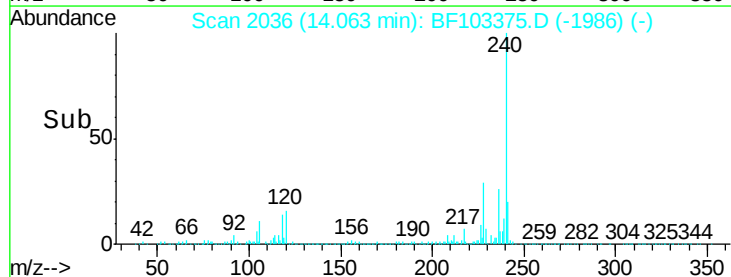
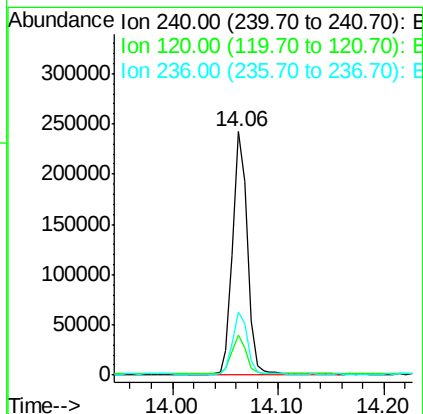
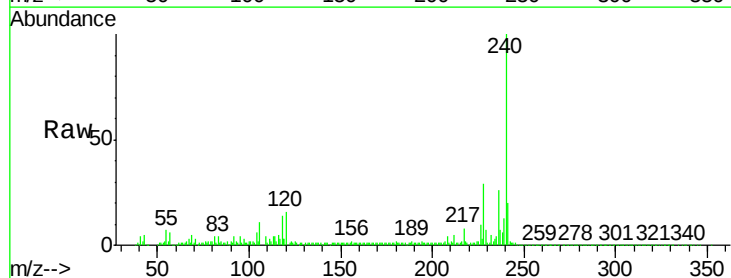
RT: 14.06 min Scan# 2036

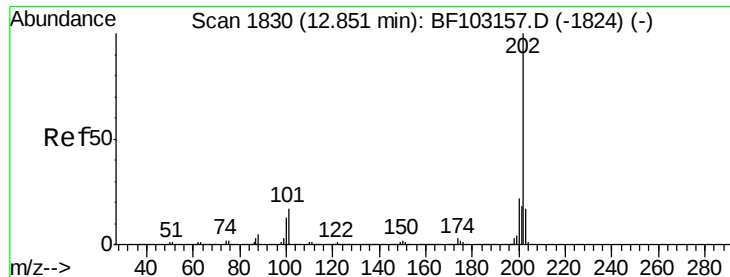
Delta R.T. -0.01 min

Lab File: BF103375.D

Acq: 2 Mar 2018 19:44

Tgt Ion:	240	Resp:	232463
Ion Ratio		Lower	Upper
240	100		
120	16.2	9.5	14.3#
236	26.2	20.7	31.1





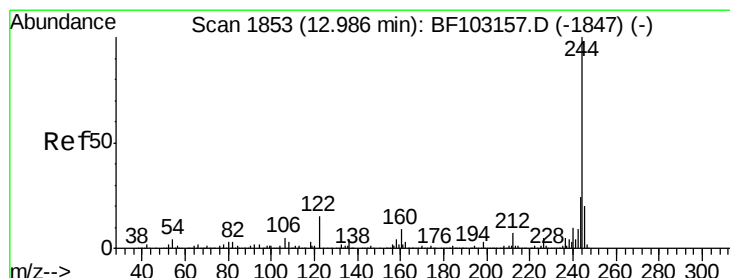
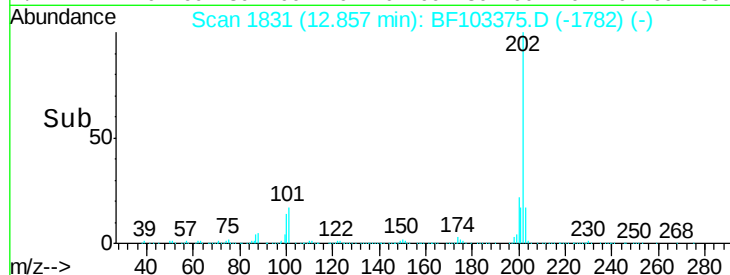
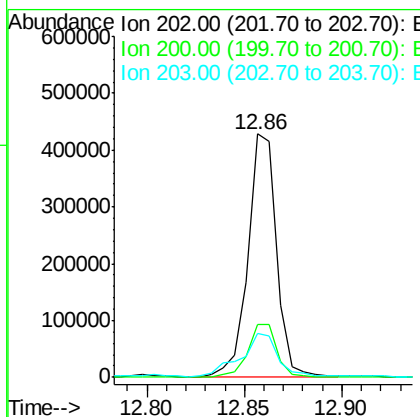
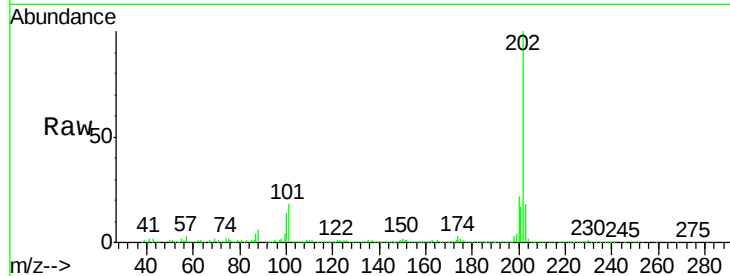
#77
Pvrene
Concen: 23.855 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Instrument :
BNA_F
ClientSampled :
SP-36

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.8	14.3	21.5

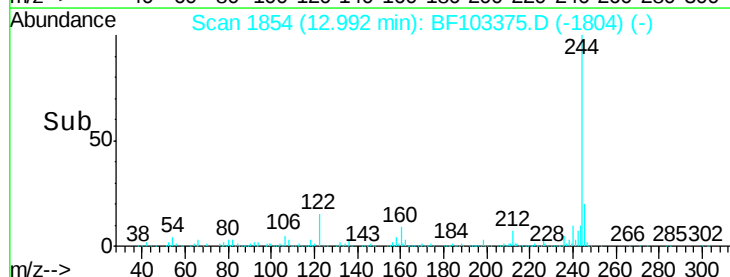
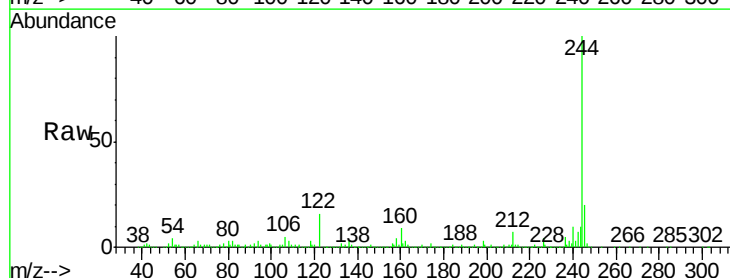
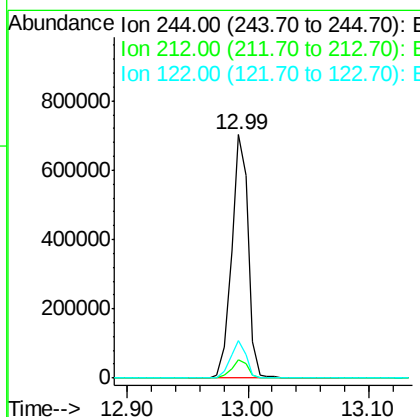
Manual Integrations
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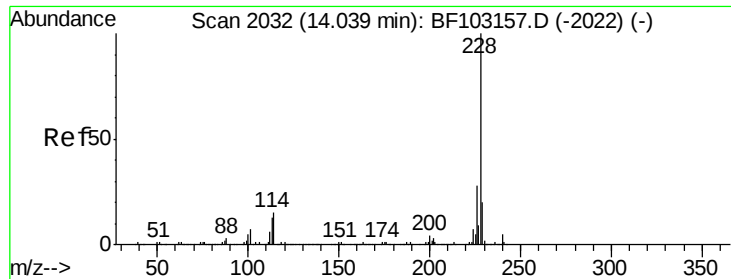
Sohil
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#78
Terphenyl-d14
Concen: 68.805 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	5.4	8.0
122	15.6	11.0	16.4





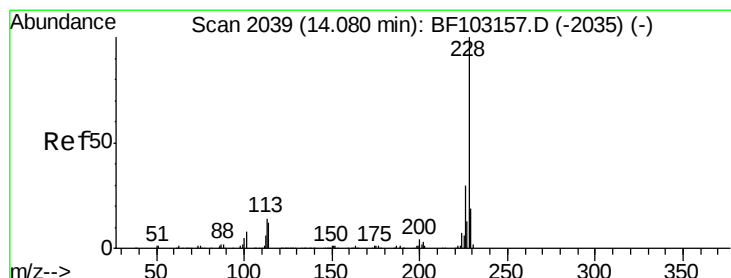
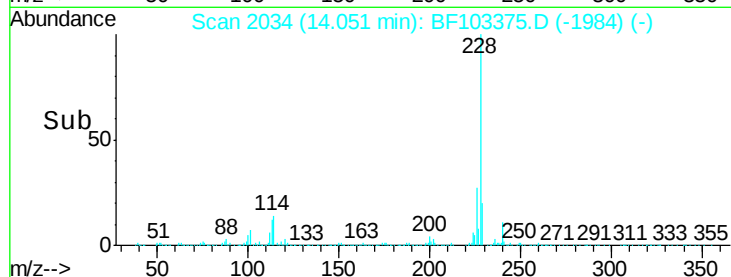
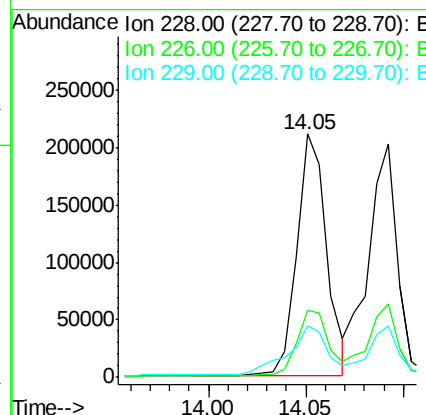
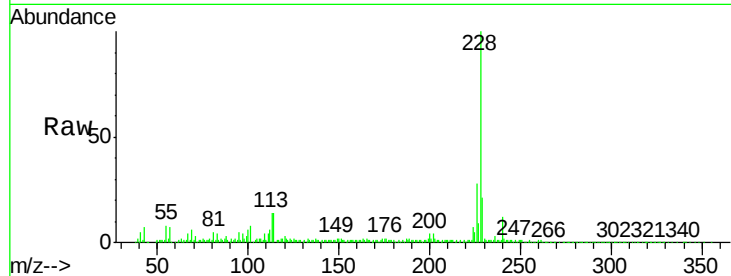
#80
Benzo(a)anthracene
Concen: 14.766 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Instrument :
BNA_F
ClientSampled :
SP-36

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	21.3	15.8	23.6

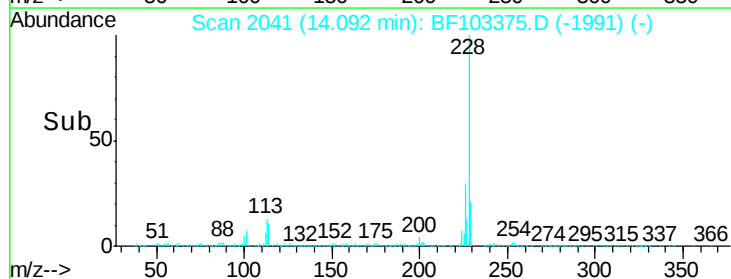
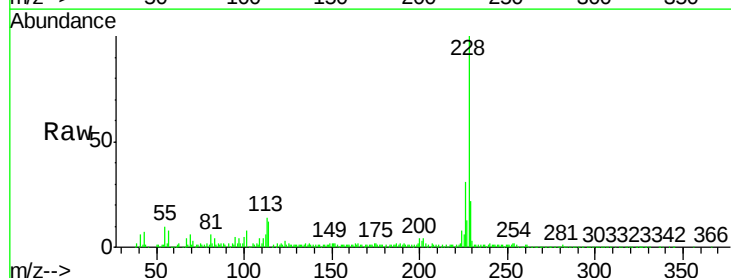
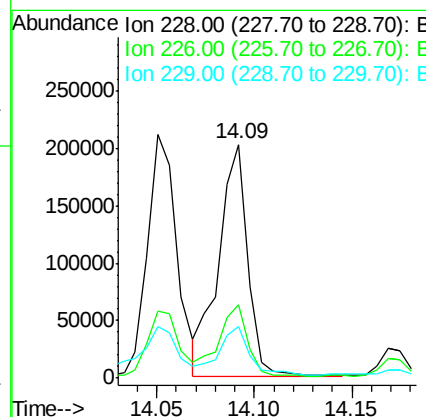
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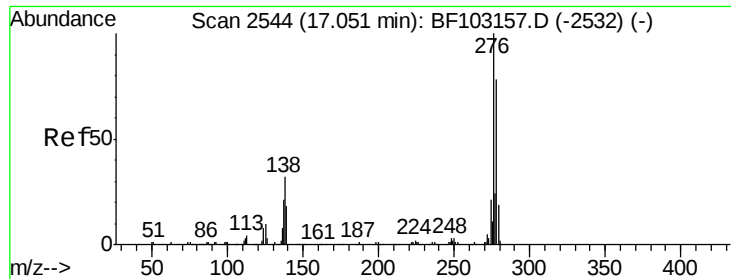
Sohil
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#82
Chrysene
Concen: 14.456 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	22.3	16.2	24.4





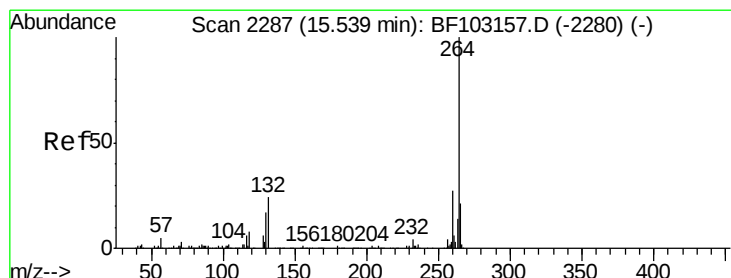
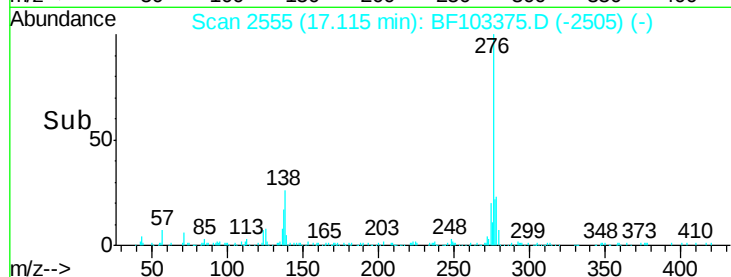
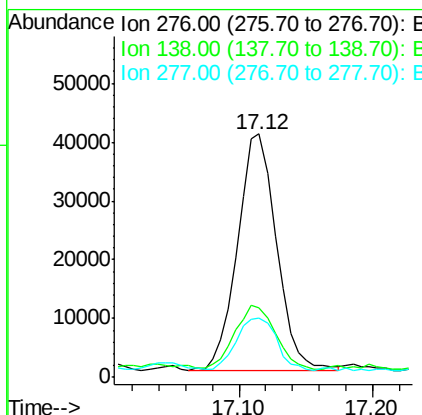
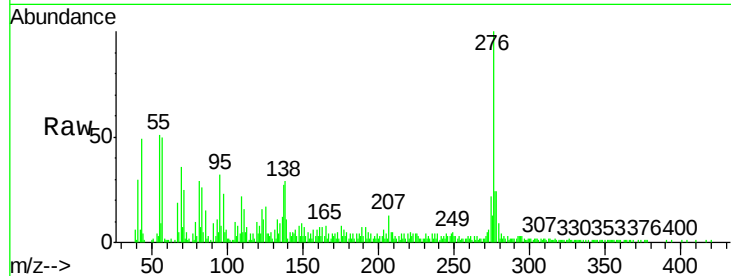
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.028 ng
 RT: 17.12 min Scan# 2555
 Delta R.T. -0.01 min
 Lab File: BF103375.D
 Acq: 2 Mar 2018 19:44

Instrument :
 BNA_F
 ClientSampled :
 SP-36

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	25.0	37.6
277	22.7	20.1	30.1

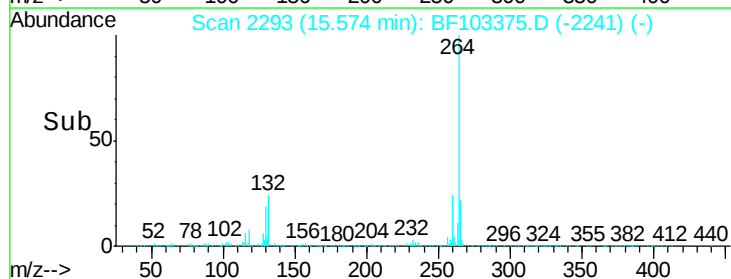
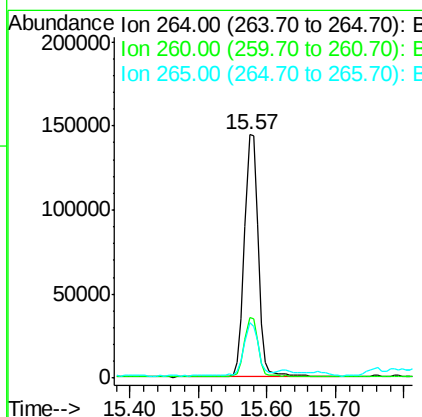
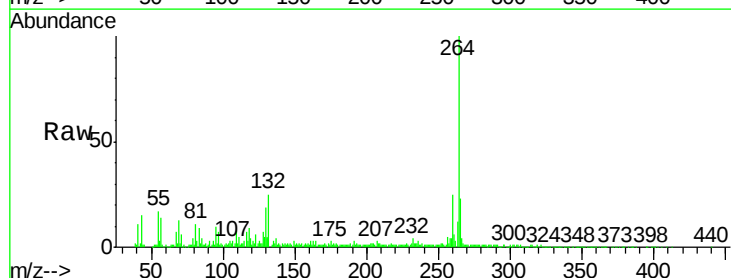
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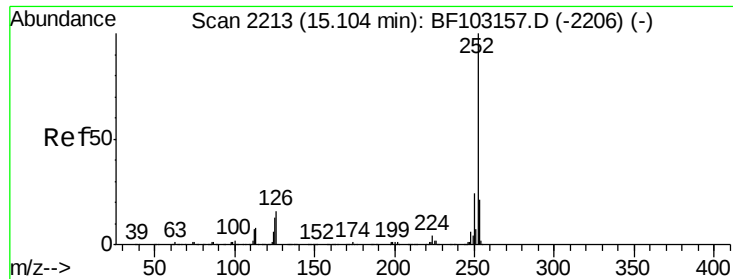
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: BF103375.D
 Acq: 2 Mar 2018 19:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 18.308 ng m

RT: 15.13 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BF103375.D

Acq: 2 Mar 2018 19:44

Instrument :

BNA_F

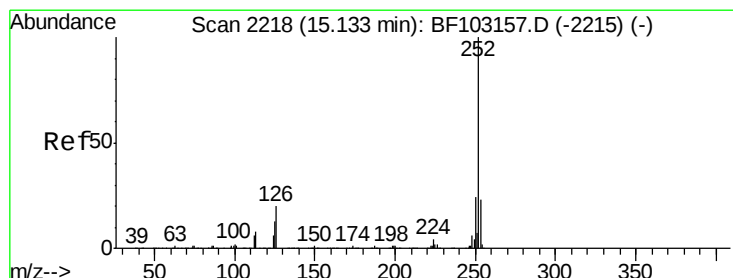
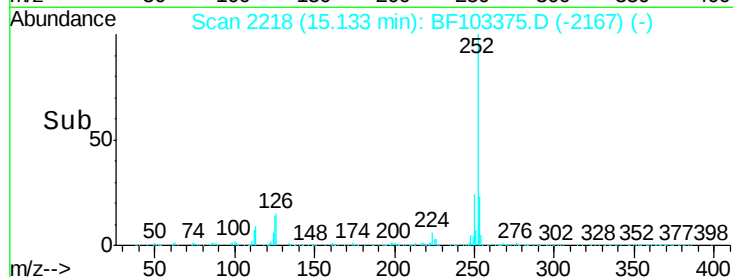
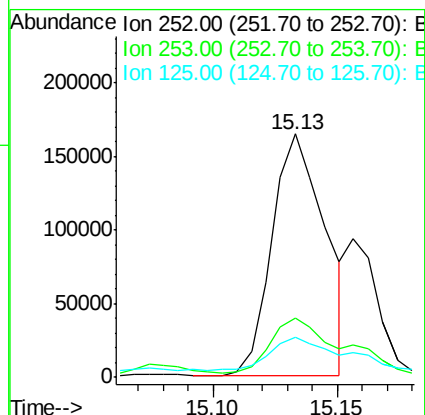
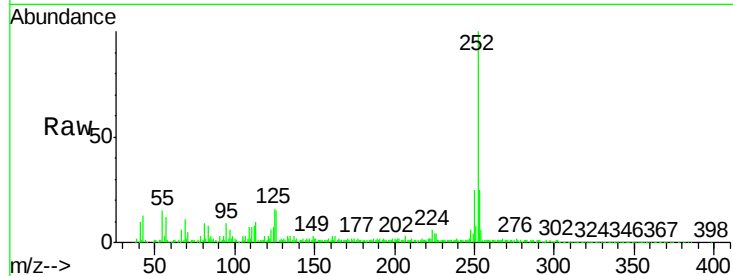
ClientSampleId :

SP-36

Tot Ion:	252	Resp:	244793
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.0	25.6
125	16.4	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 6.451 ng m

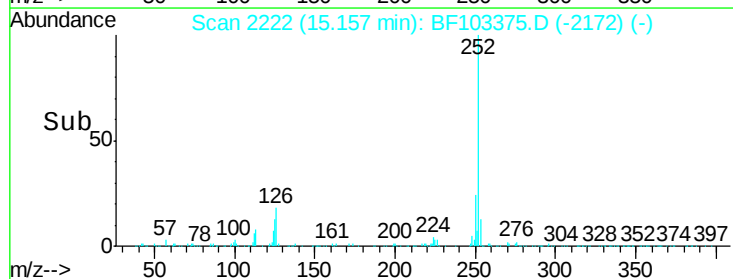
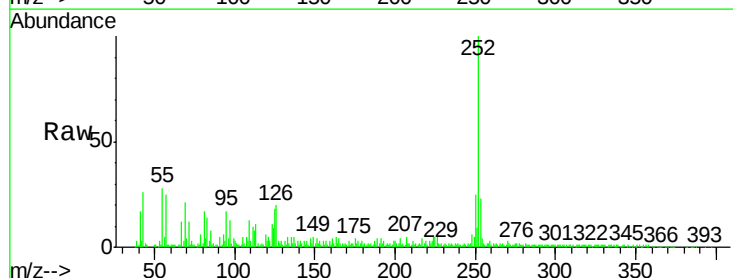
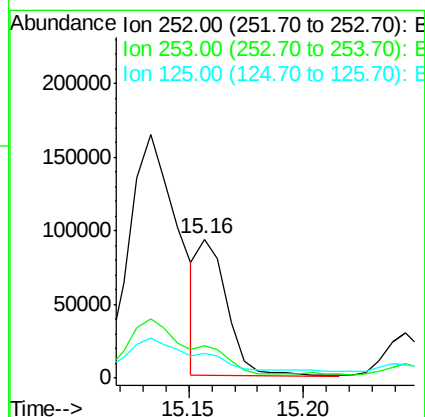
RT: 15.16 min Scan# 2222

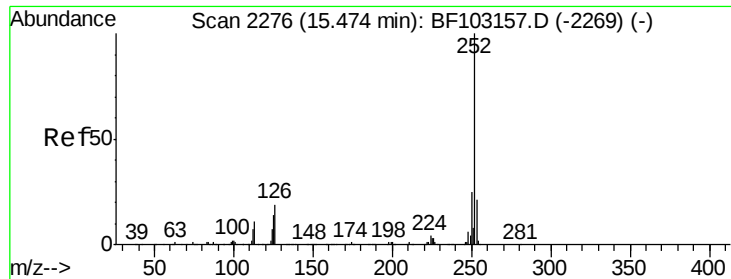
Delta R.T. -0.01 min

Lab File: BF103375.D

Acq: 2 Mar 2018 19:44

Tgt Ion:	252	Resp:	81220
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.9	26.9
125	18.0	10.2	15.2#





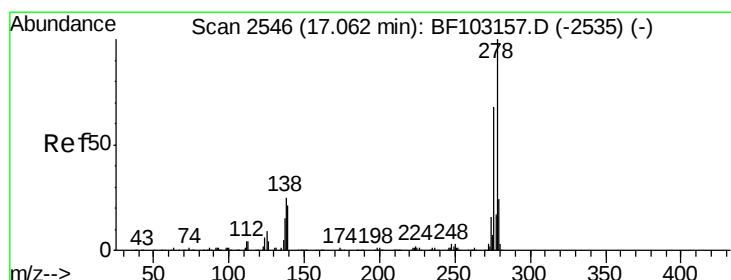
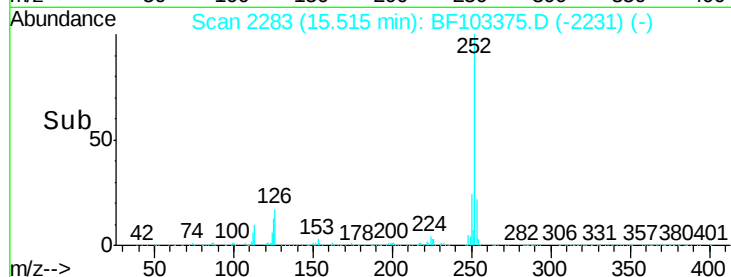
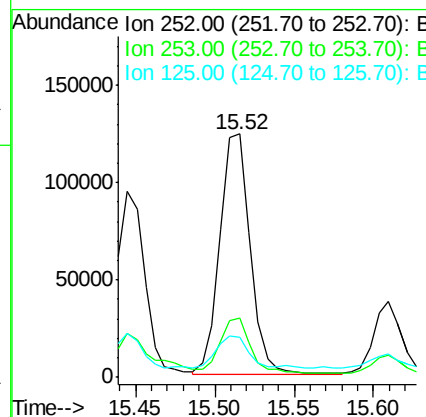
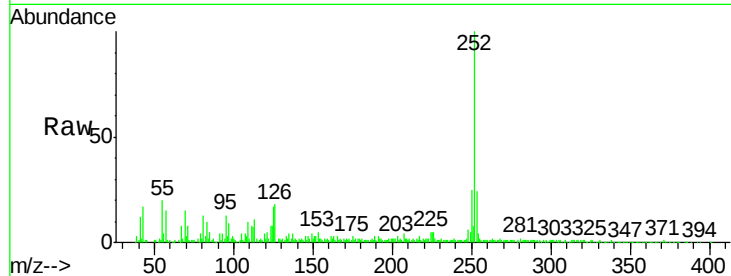
#89
Benzo(a)pyrene
Concen: 13.869 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Instrument :
BNA_F
ClientSampleId :
SP-36

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	16.7	9.8	14.6

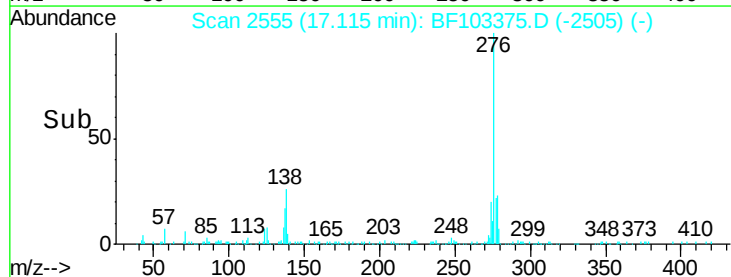
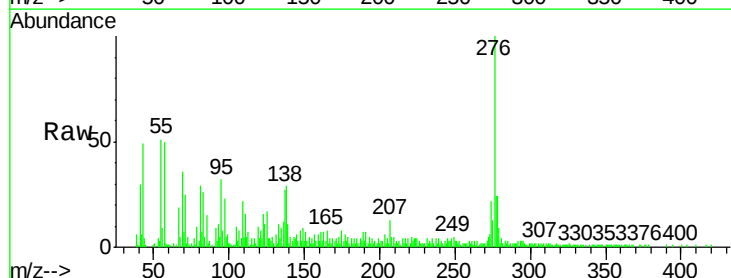
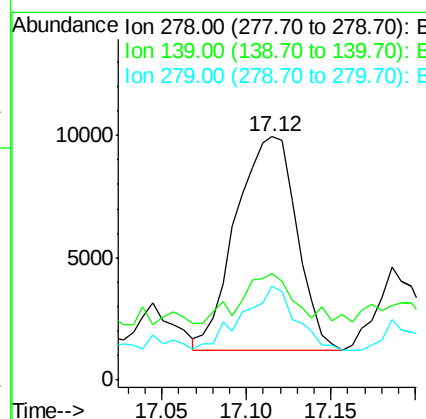
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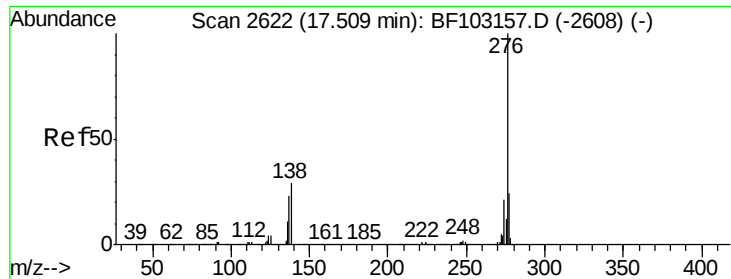
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#90
Dibenzo(a,h)anthracene
Concen: 2.357 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	43.8	15.9	23.9
279	38.6	19.0	28.4





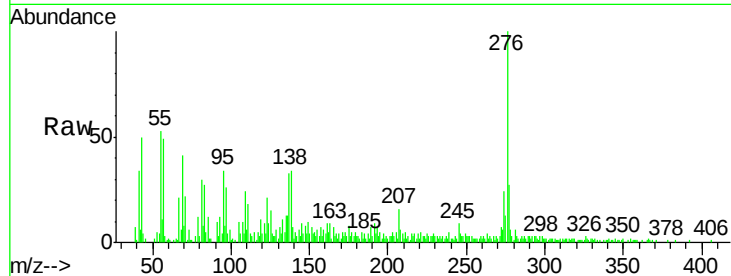
#91
 Benzo(a,h,i)perylene
 Concen: 8.546 ng
 RT: 17.59 min Scan# 2635
 Delta R.T. 0.01 min
 Lab File: BF103375.D
 Acq: 2 Mar 2018 19:44

Instrument :
 BNA_F
 ClientSampleId :
 SP-36

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.9	26.9
138	33.7	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

