

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103428.D
 Acq On : 6 Mar 2018 00:01
 Operator : SJ/JU
 Sample : J1778-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Manual Integrations
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Sohil
 3/6/2018 4:23:46 PM

Quant Time: Mar 06 01:29:37 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	122545	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	483747	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	182027	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	269898	20.00	ng	0.00
75) Chrysene-d12	14.07	240	174243	20.00	ng	0.00
86) Perylene-d12	15.58	264	134423	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	859377	106.06	ng	0.00
7) Phenol-d6	6.52	99	1018565	102.73	ng	0.00
23) Nitrobenzene-d5	7.44	82	595951	70.35	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	127428	82.70	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	777132	70.61	ng	0.00
78) Terphenyl-d14	13.00	244	552022	76.16	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.18	128	540236	22.811	ng	99
37) 2-Methylnaphthalene	8.87	142	162619	10.624	ng	99
48) Acenaphthylene	9.77	152	64988	3.500	ng	96
51) Acenaphthene	9.95	154	106437	9.831	ng	99
54) Dibenzofuran	10.12	168	136270	9.169	ng	99
57) Fluorene	10.47	166	195780	15.464	ng	98
59) Diethylphthalate	10.32	149	216454	15.499	ng	98
70) Phenanthrene	11.44	178	828719	55.794	ng	99
71) Anthracene	11.49	178	274040	17.992	ng	98
72) Carbazole	11.65	167	58377	3.849	ng	98
73) Di-n-butylphthalate	11.96	149	351870	18.540	ng	99
74) Fluoranthene	12.63	202	703481	47.131	ng	98
77) Pyrene	12.87	202	603176	44.400	ng	99
80) Benzo(a)anthracene	14.06	228	241910	21.397	ng	98
82) Chrysene	14.09	228	199335	18.159	ng	97
85) Indeno(1,2,3-cd)pyrene	17.13	276	64693	7.444	ng	98
87) Benzo(b)fluoranthene	15.13	252	174704m	19.767	ng	
88) Benzo(k)fluoranthene	15.16	252	60996m	7.329	ng	
89) Benzo(a)pyrene	15.52	252	134969	17.101	ng	# 93
90) Dibenzo(a,h)anthracene	17.12	278	16649	2.730	ng	# 63
91) Benzo(g,h,i)perylene	17.60	276	58611	9.833	ng	# 83

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

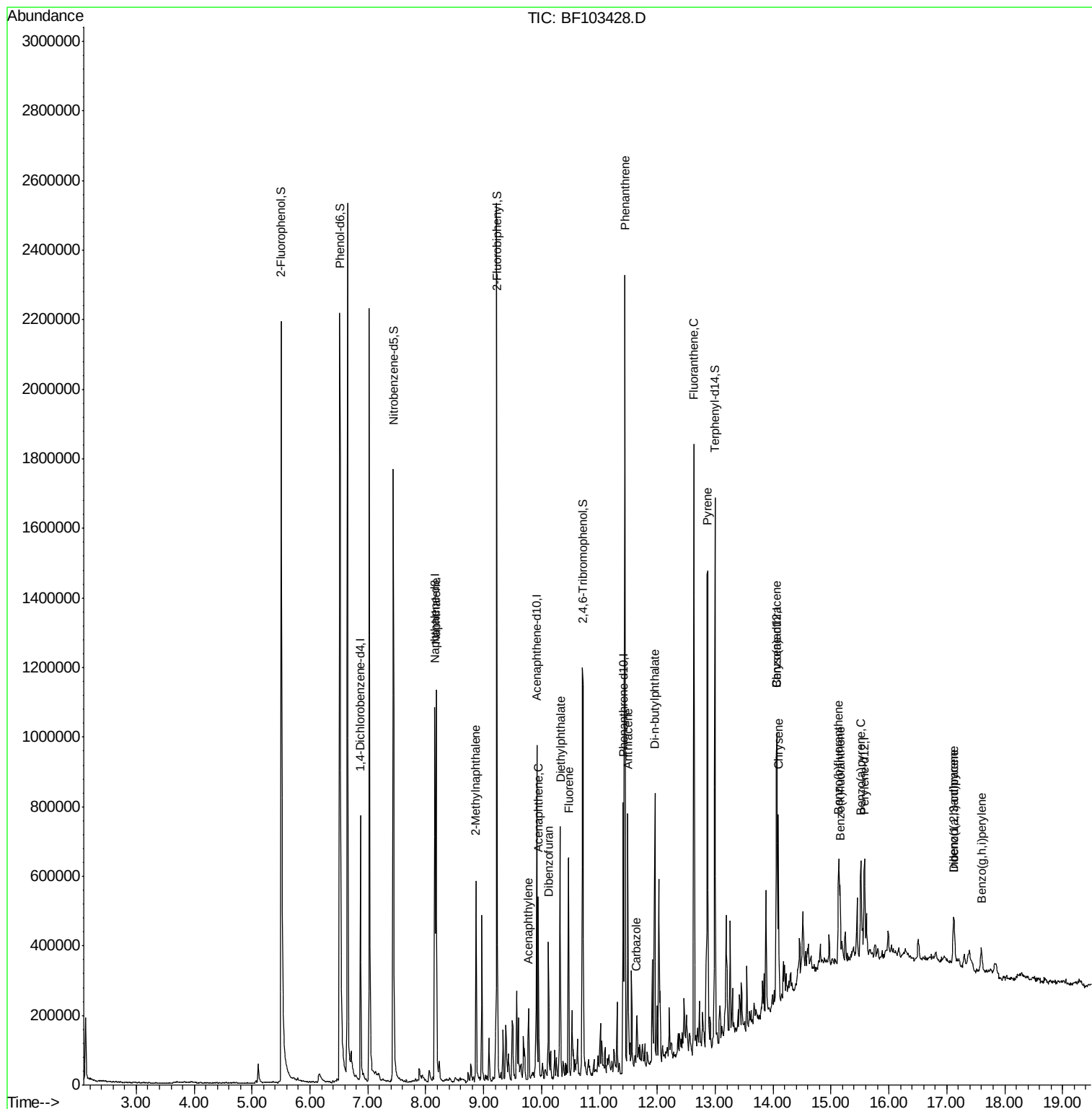
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103428.D
Acq On : 6 Mar 2018 00:01
Operator : SJ/JU
Sample : J1778-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

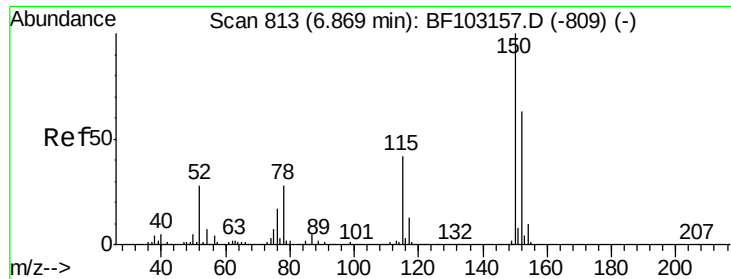
Instrument :
BNA_F
ClientSampled :
TP-4

Manual Integrations
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Quant Time: Mar 06 01:29:37 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 05 13:40:47 2018
Response via : Initial Calibration





#1

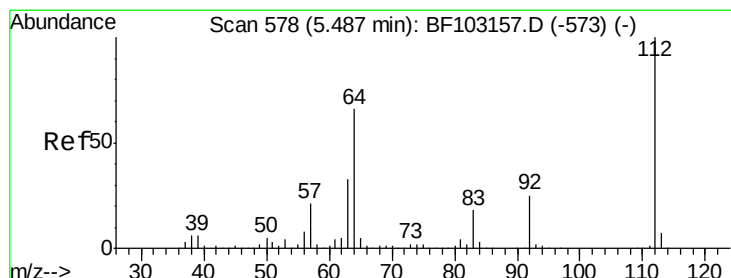
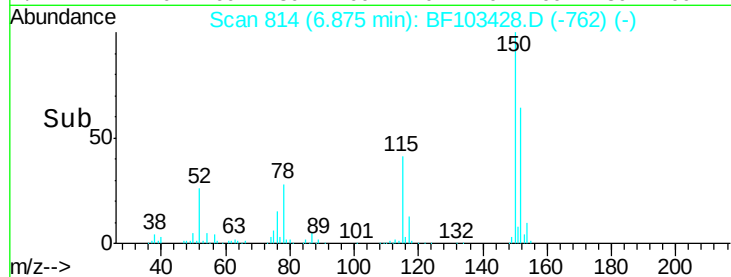
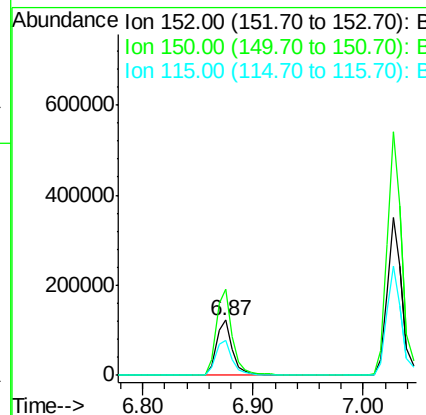
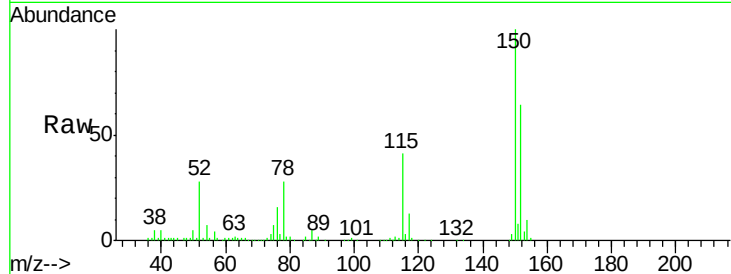
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	63.6	50.1	75.1

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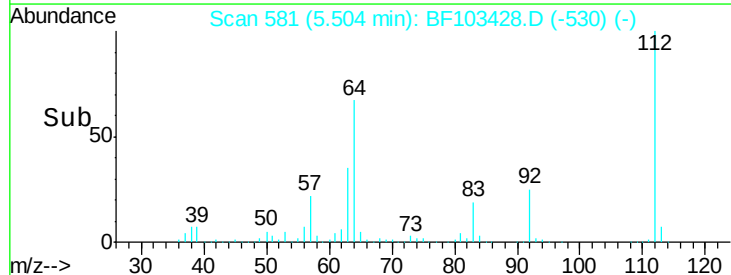
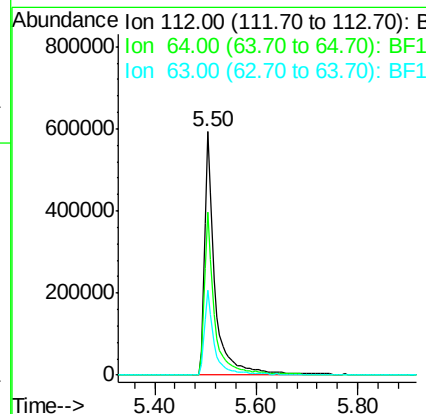
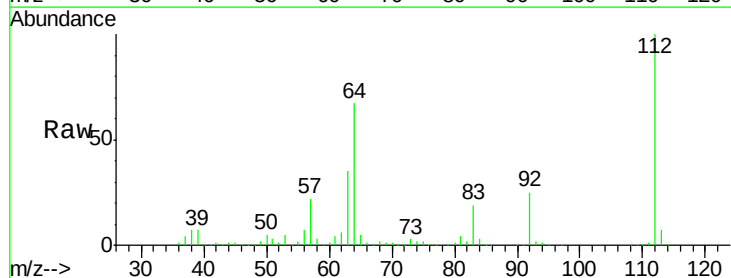
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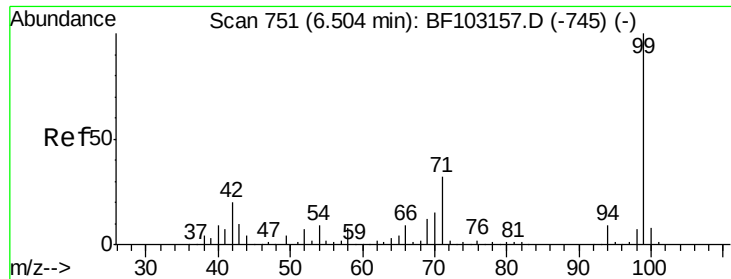


#5

2-Fluorophenol
Concen: 106.063 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	47.9	71.9
63	34.6	23.7	35.5





#7

Phenol-d6

Concen: 102.733 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103428.D

Acq: 6 Mar 2018 00:01

Instrument :

BNA_F

ClientSampled :

TP-4

Tot Ion: 99 Resp: 1018565

Ion Ratio Lower Upper

99 100

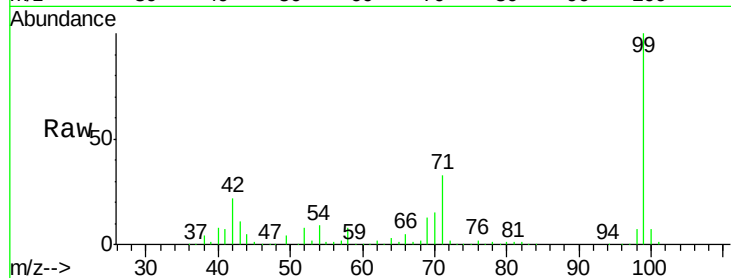
42 21.6 14.5 21.7

71 33.3 25.4 38.0

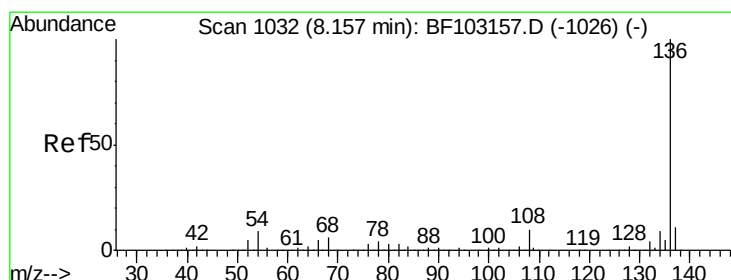
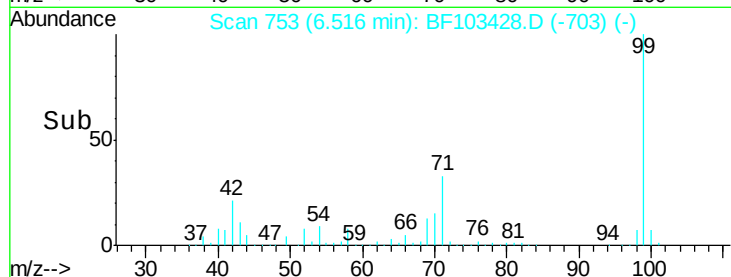
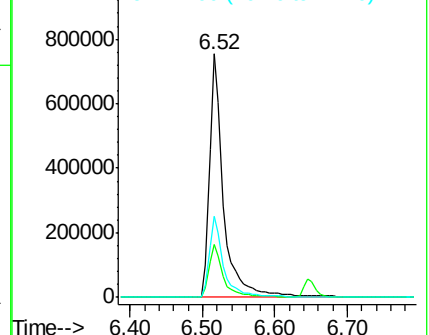
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103428.D

Acq: 6 Mar 2018 00:01

Tgt Ion: 136 Resp: 483747

Ion Ratio Lower Upper

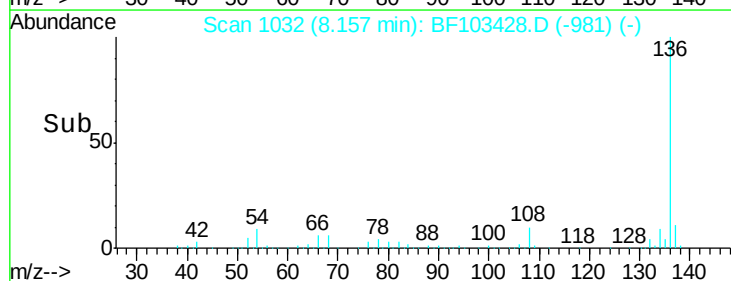
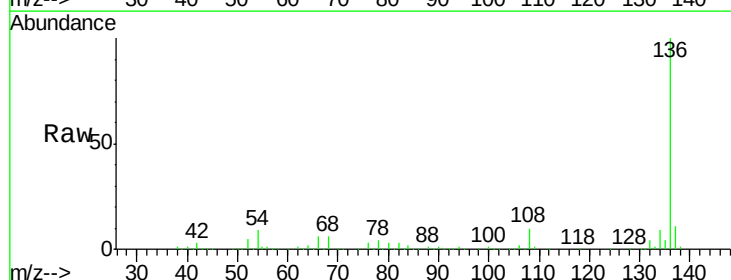
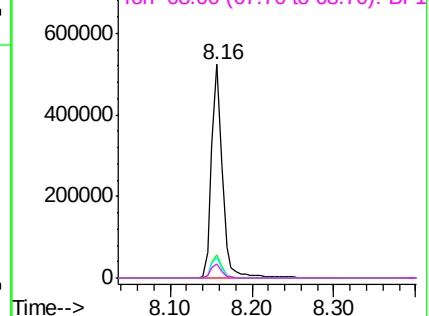
136 100

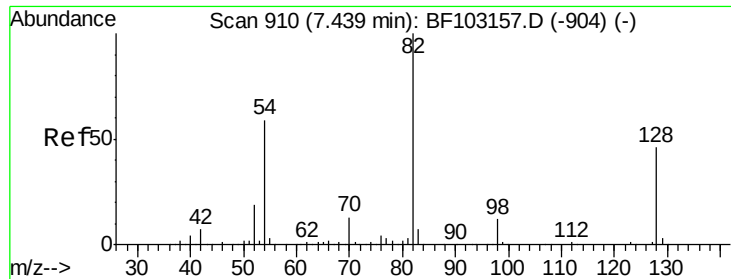
137 11.0 8.9 13.3

54 9.4 6.6 9.8

68 6.4 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





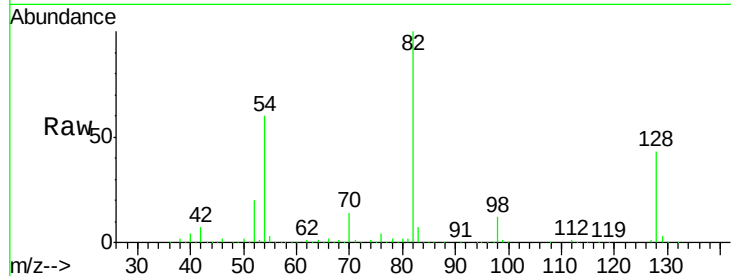
#23
Nitrobenzene-d5
Concen: 70.355 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Instrument :
BNA_F
ClientSampled :
TP-4

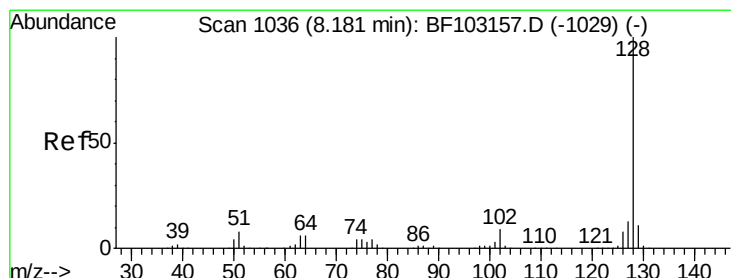
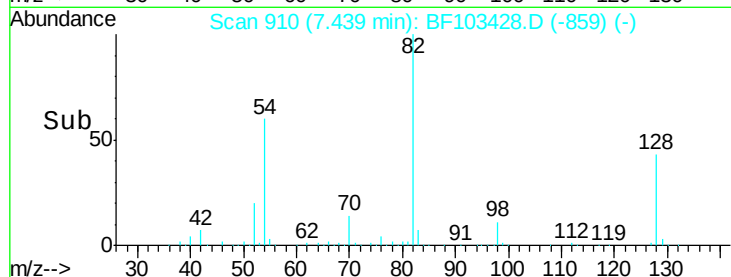
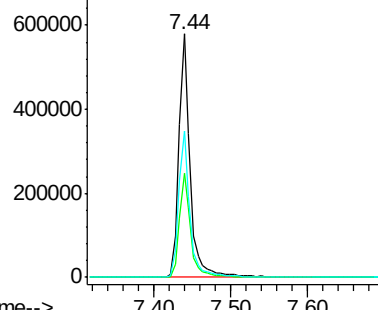
Tot Ion	Ratio	Resp	Lower	Upper
82	100	595951		
128	42.8	36.1	54.1	
54	60.1	41.4	62.2	

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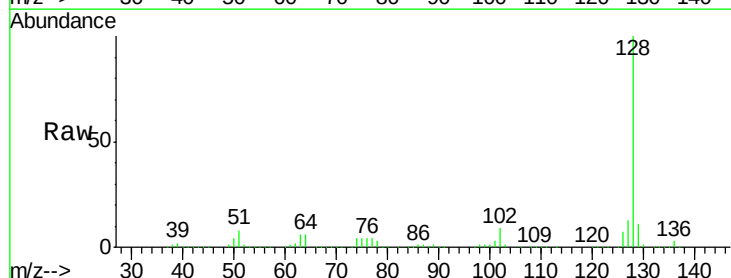


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

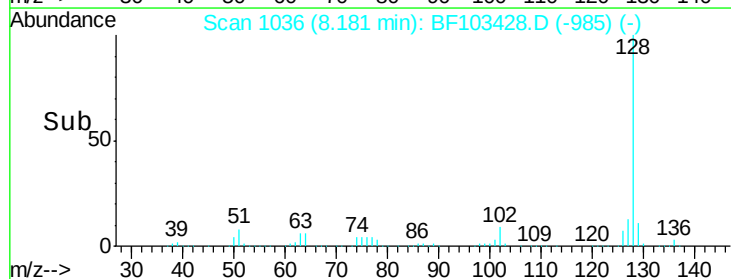
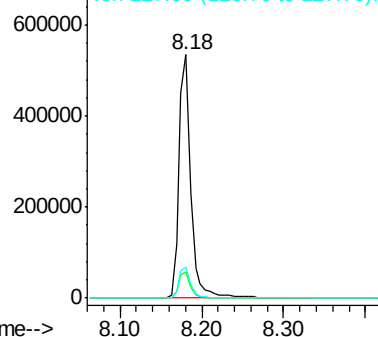


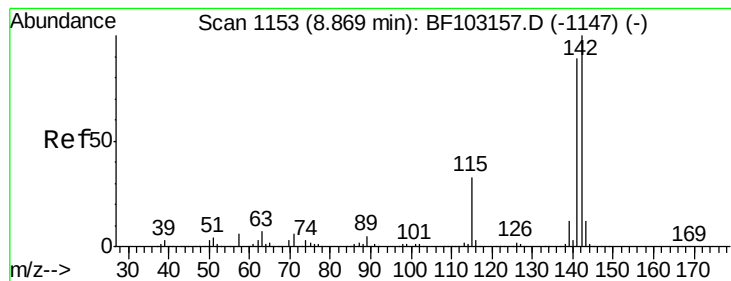
#31
Naphthalene
Concen: 22.811 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	540236		
129	10.8	8.8	13.2	
127	12.9	10.9	16.3	



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





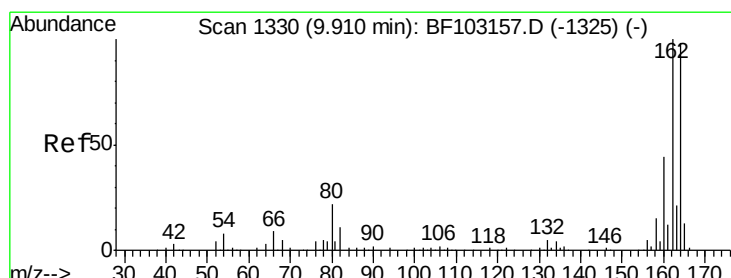
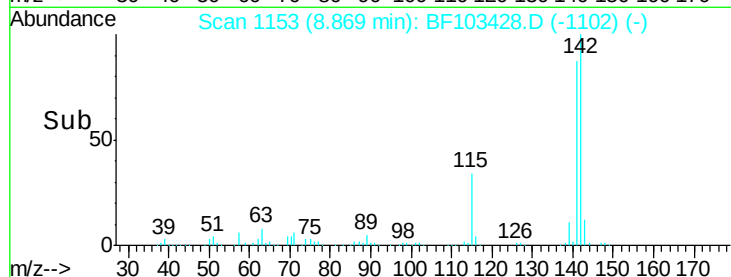
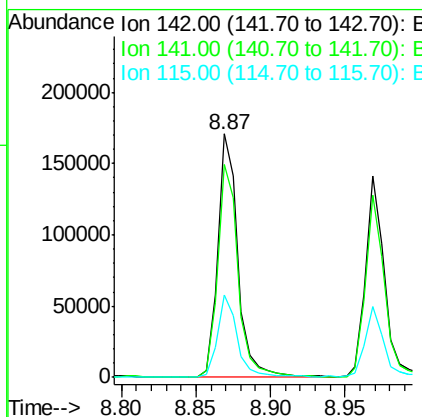
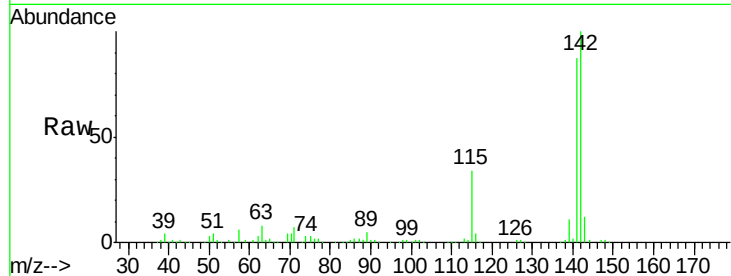
#37
2-Methylnaphthalene
Concen: 10.624 ng
RT: 8.87 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.8	106.2
115	33.6	26.1	39.1

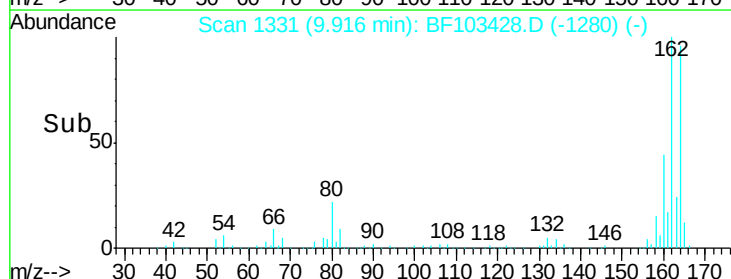
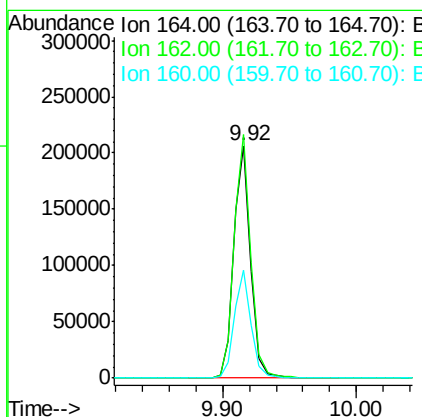
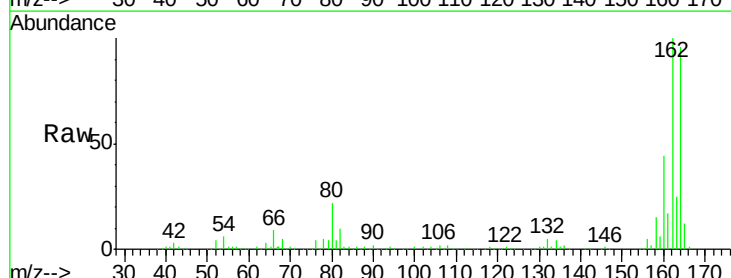
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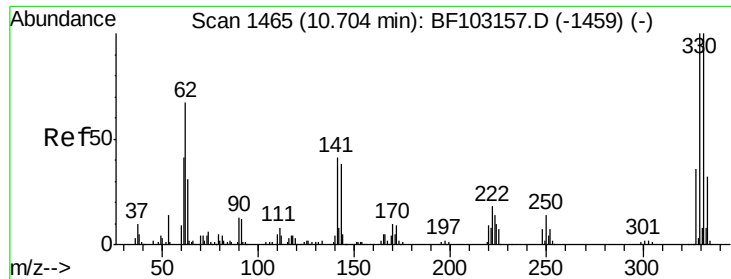
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	46.4	38.3	57.5





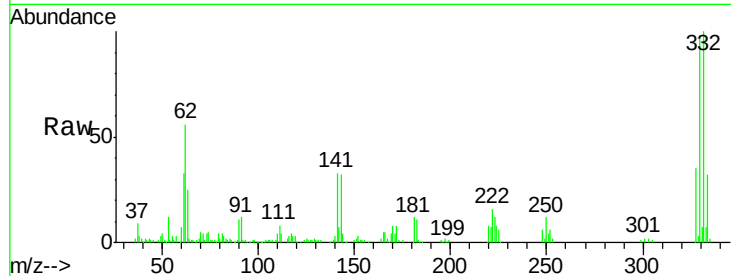
#41
 2,4,6-Tribromophenol
 Concen: 82.705 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF103428.D
 Acq: 6 Mar 2018 00:01

Instrument :
 BNA_F
 ClientSampled :
 TP-4

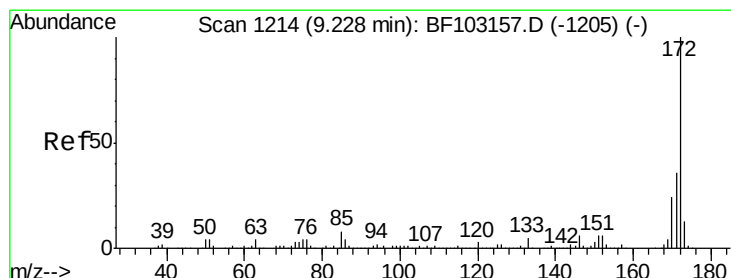
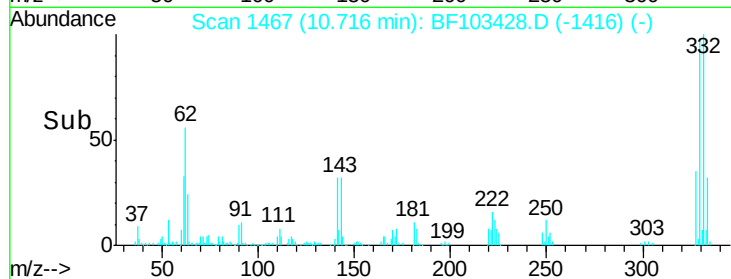
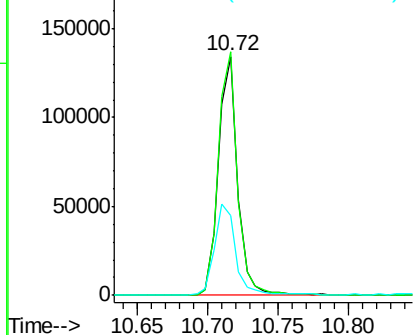
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.6	77.0	115.6	
141	43.5	29.9	44.9	

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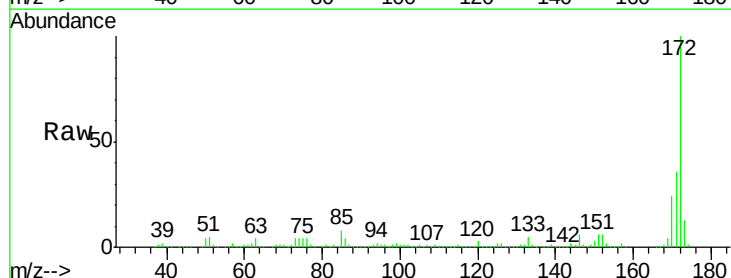


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

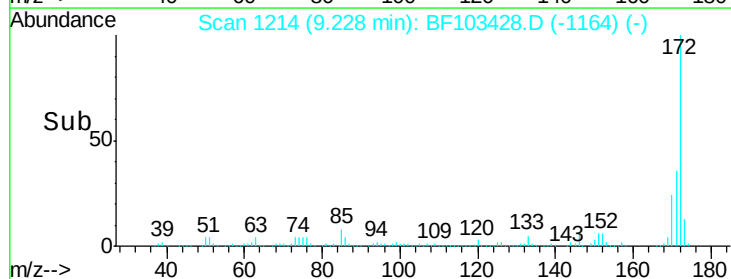
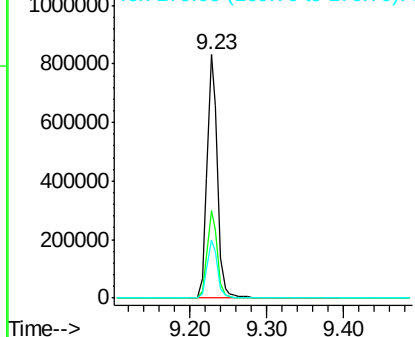


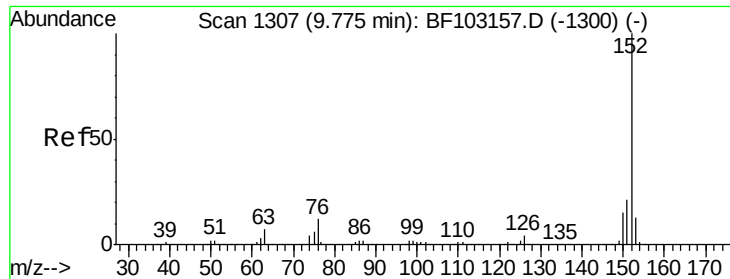
#44
 2-Fluorobiphenyl
 Concen: 70.609 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103428.D
 Acq: 6 Mar 2018 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	24.0	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





#48

Acenaphthylene

Concen: 3.500 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF103428.D

Acq: 6 Mar 2018 00:01

Instrument :

BNA_F

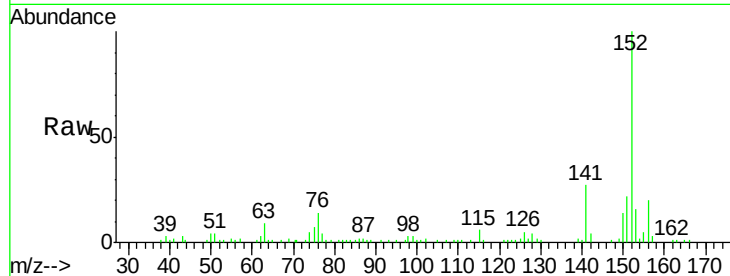
ClientSampled :

TP-4

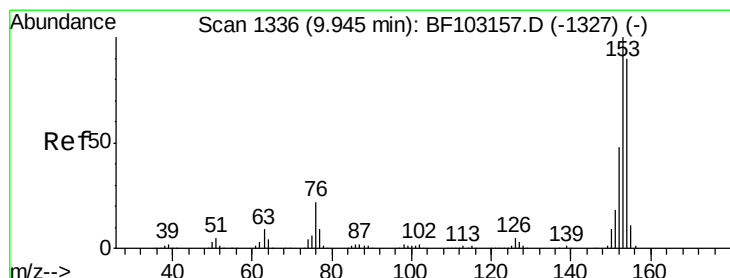
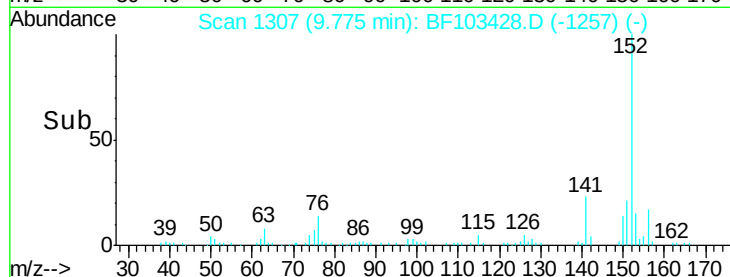
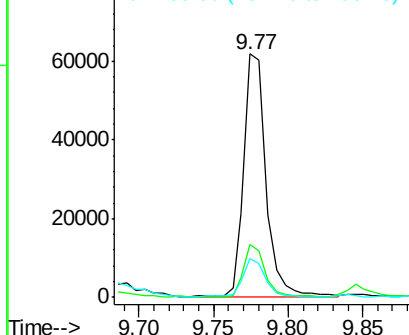
Tot Ion:	152	Resp:	64988
Ion Ratio	Lower	Upper	
152	100		
151	21.9	16.3	24.5
153	15.7	10.7	16.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 9.831 ng

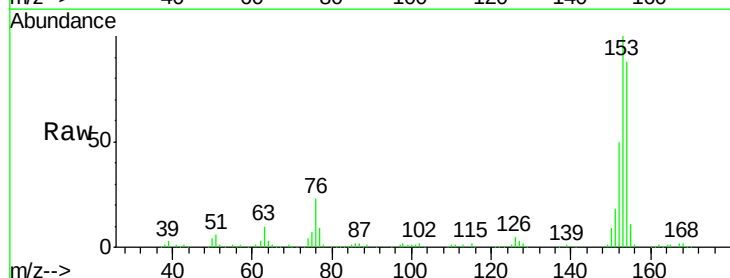
RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

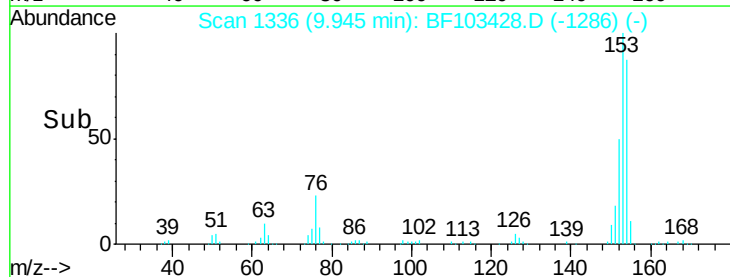
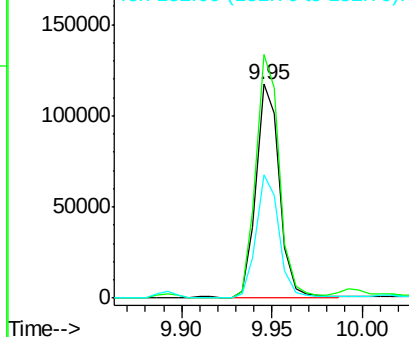
Lab File: BF103428.D

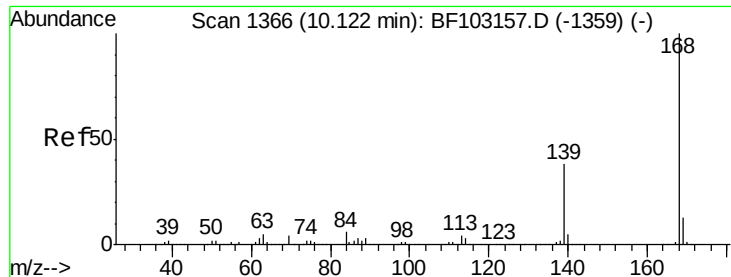
Acq: 6 Mar 2018 00:01

Tgt Ion:	154	Resp:	106437
Ion Ratio	Lower	Upper	
154	100		
153	113.8	91.2	136.8
152	57.4	43.8	65.8



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





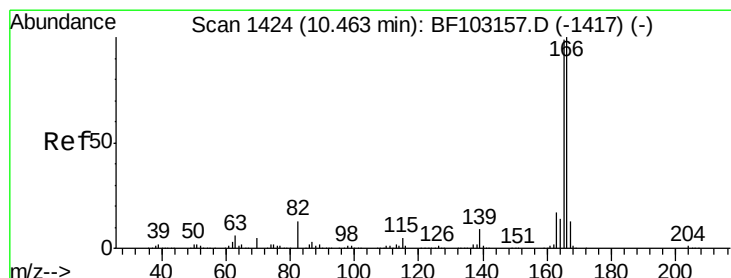
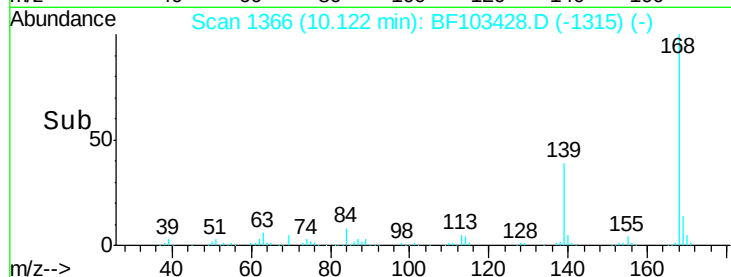
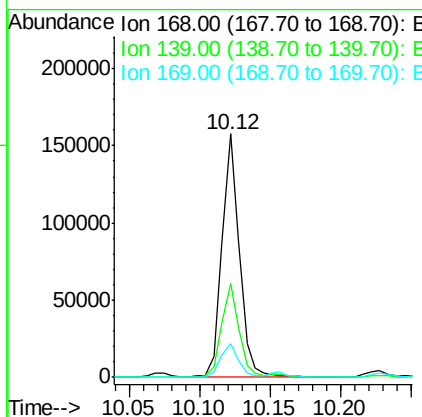
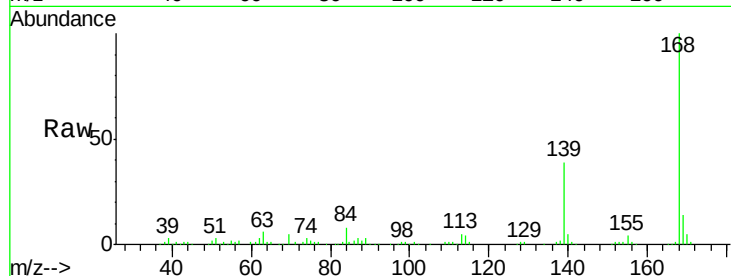
#54
Dibenzenofuran
Concen: 9.169 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.1	45.1
169	13.9	10.9	16.3

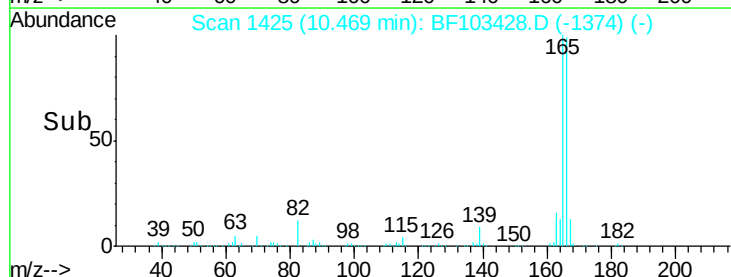
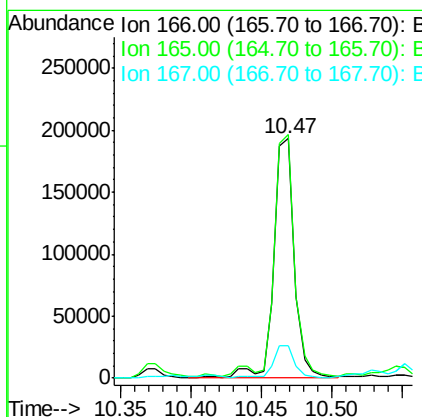
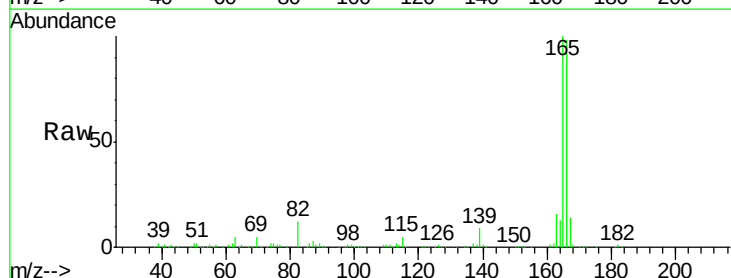
Manual Integrations
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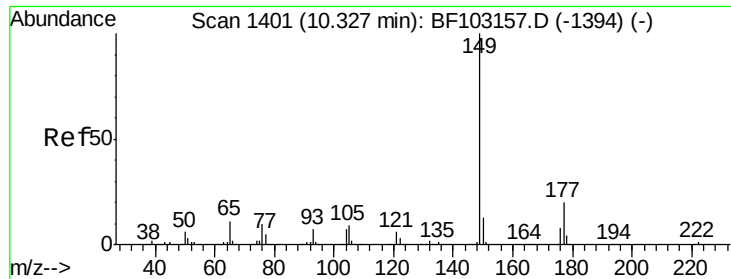
Sohil
3/6/2018 4:23:46 PM



#57
Fluorene
Concen: 15.464 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.00 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.6	79.8	119.8
167	13.8	10.6	16.0





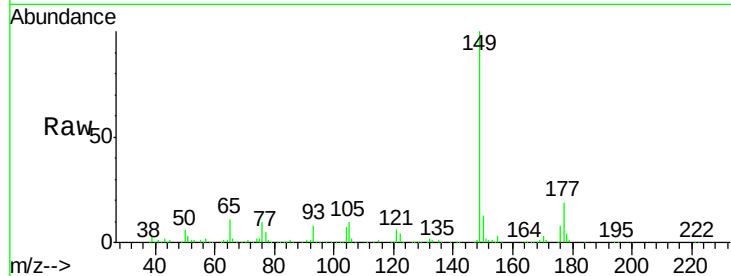
#59
Diethylphthalate
Concen: 15.499 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.01 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Instrument :
BNA_F
ClientSampled :
TP-4

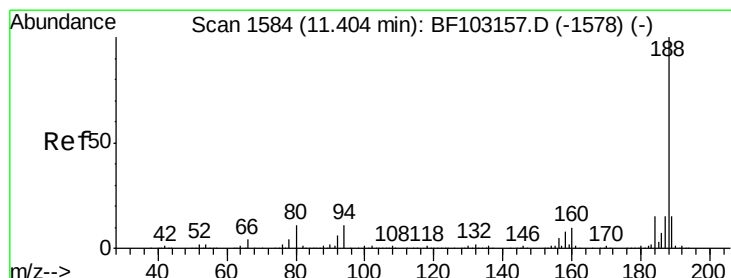
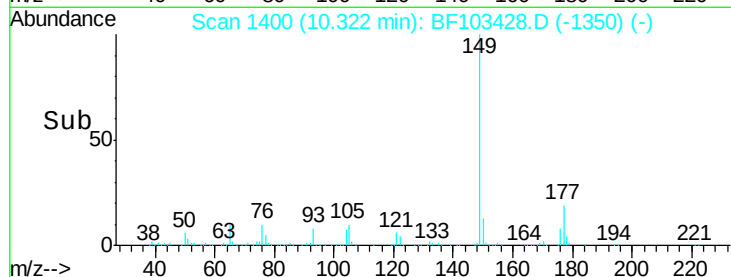
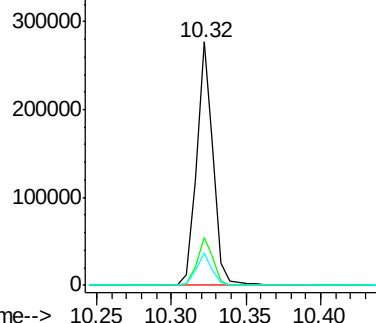
Tot Ion	Ratio	Resp	Lower	Upper
149	100	216454		
177	19.4	16.1	24.1	
150	13.2	10.1	15.1	

Manual Integrations
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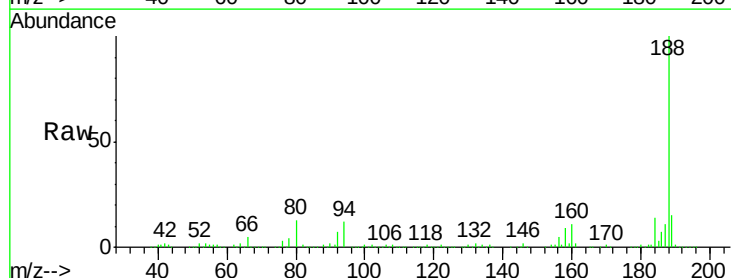


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

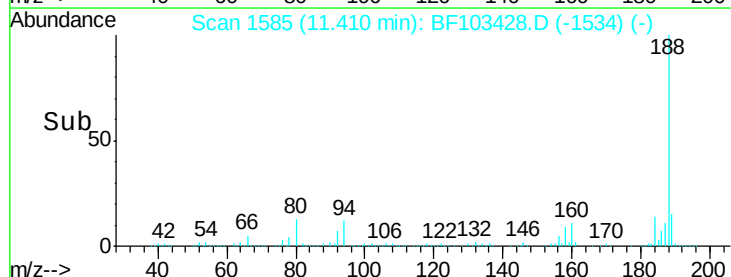
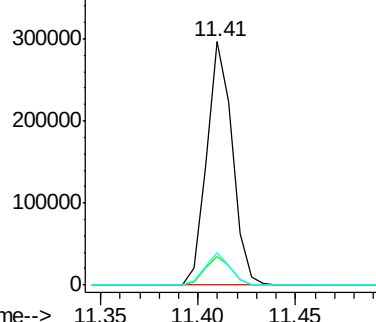


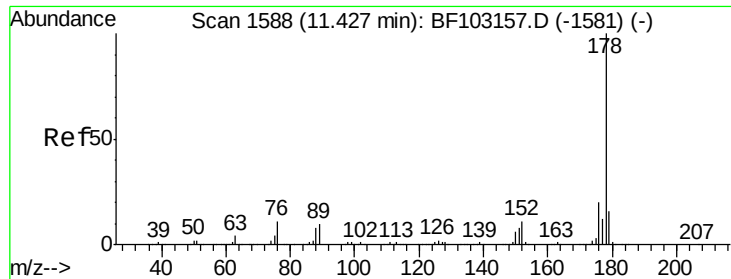
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	269898		
94	11.7	8.5	12.7	
80	13.3	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





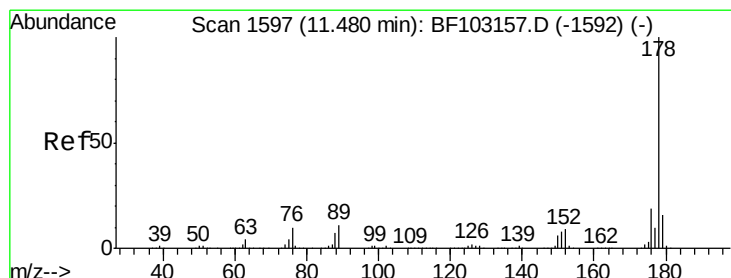
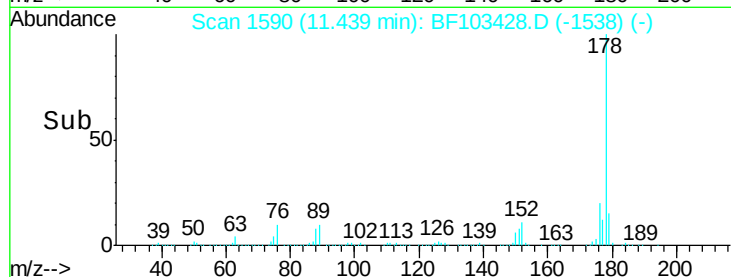
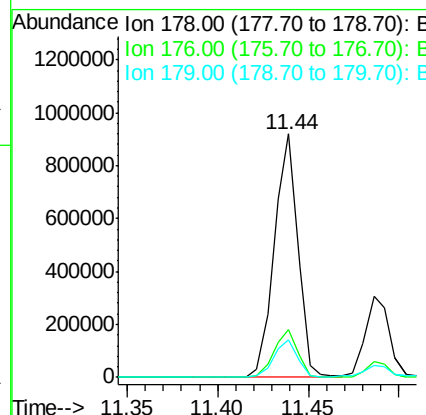
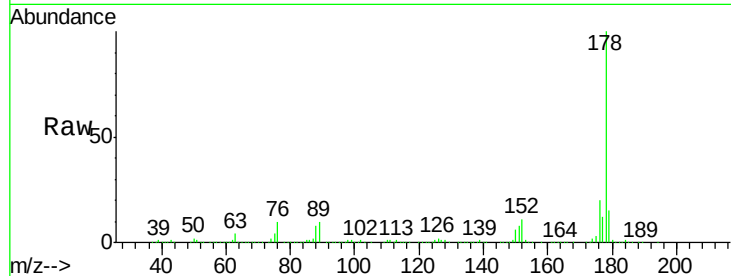
#70
Phenanthrene
Concen: 55.794 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.5	13.0	19.6

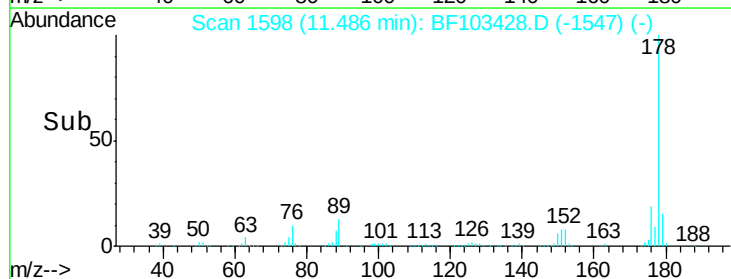
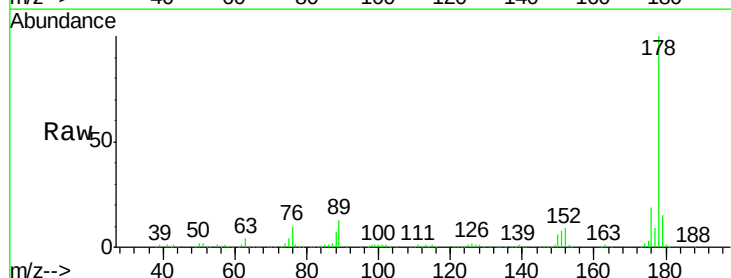
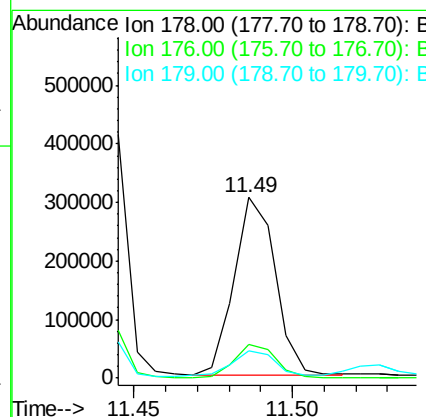
Manual Integrations
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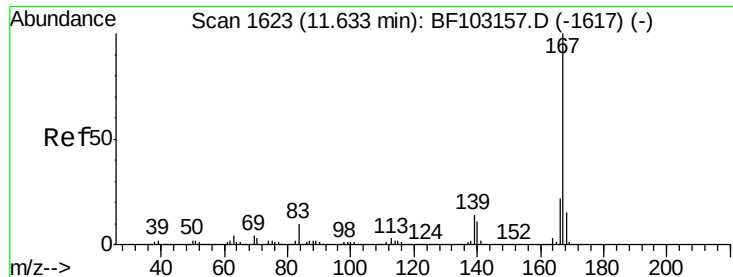
Sohil
3/6/2018 4:23:46 PM



#71
Anthracene
Concen: 17.992 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.00 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.1	12.6	19.0





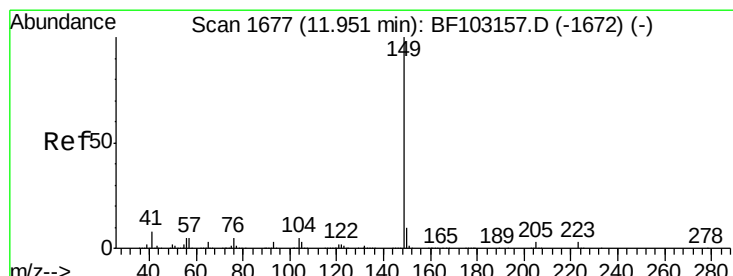
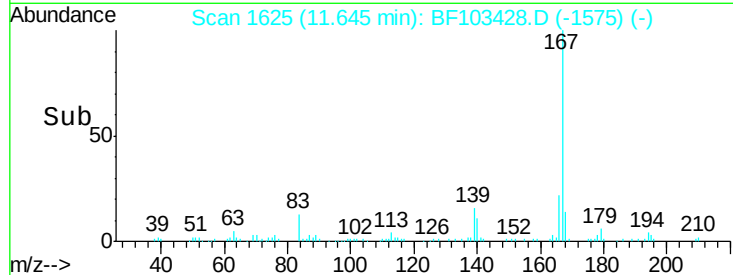
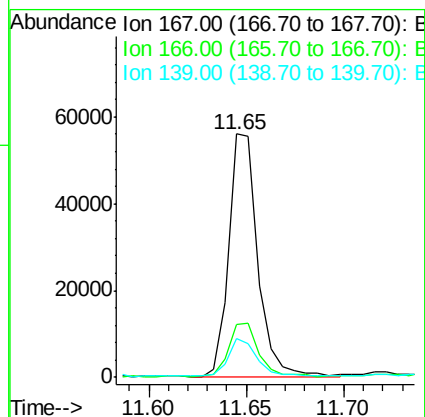
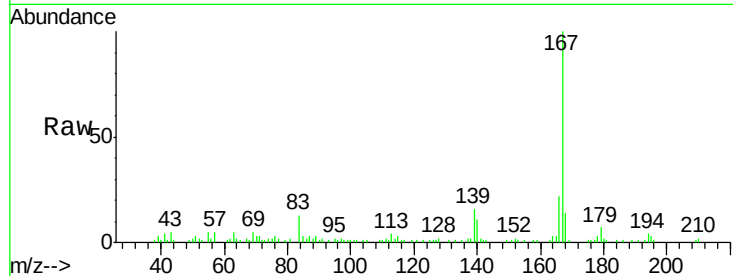
#72
 Carbazole
 Concen: 3.849 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. -0.01 min
 Lab File: BF103428.D
 Acq: 6 Mar 2018 00:01

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	16.0	10.9	16.3

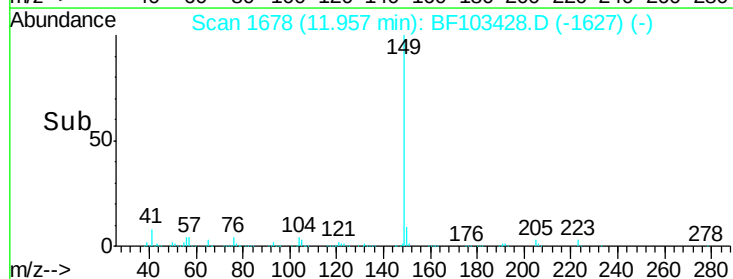
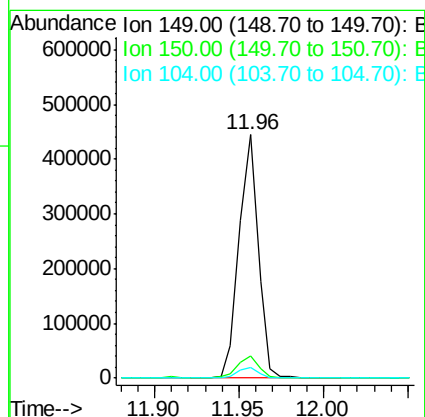
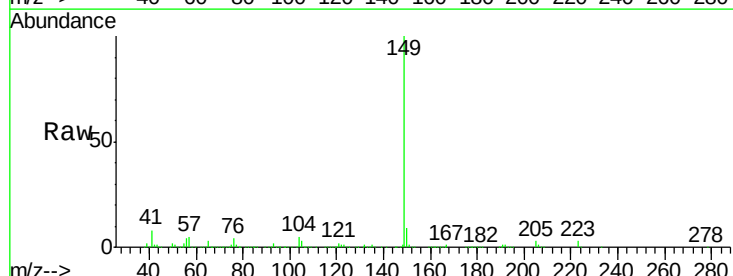
Manual Integrations
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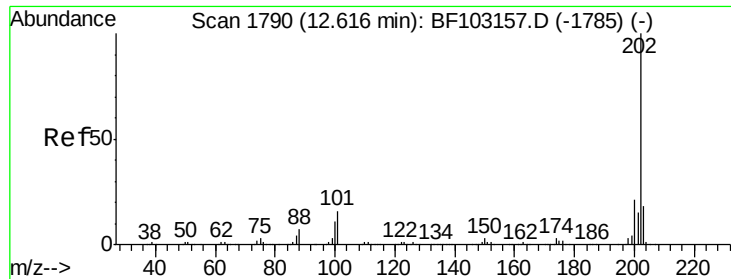
Sohil
 3/6/2018 4:23:46 PM



#73
 Di-n-butylphthalate
 Concen: 18.540 ng
 RT: 11.96 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: BF103428.D
 Acq: 6 Mar 2018 00:01

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.8	11.6
104	4.5	3.8	5.8





#74

Fluoranthene

Concen: 47.131 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF103428.D

Acq: 6 Mar 2018 00:01

Instrument :

BNA_F

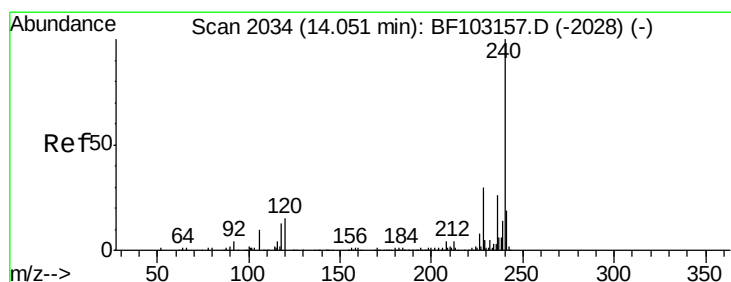
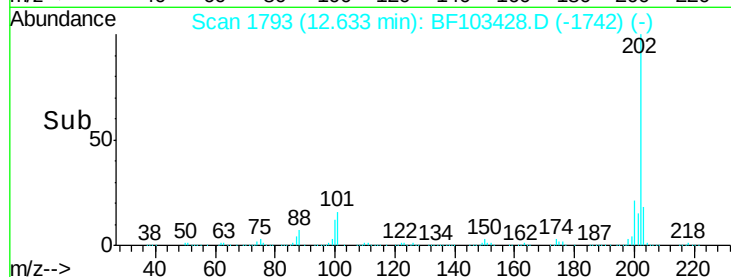
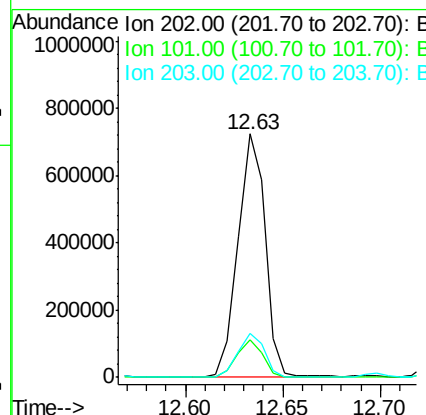
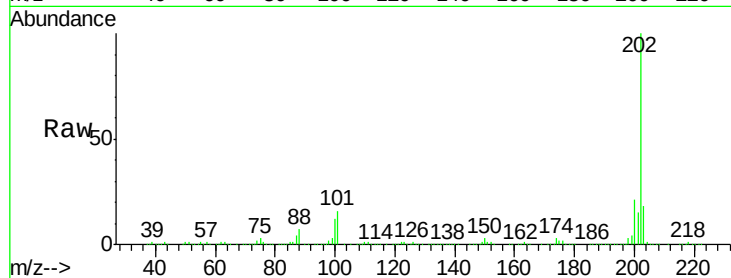
ClientSampled :

TP-4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.5	0.0	34.1
203	17.8	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

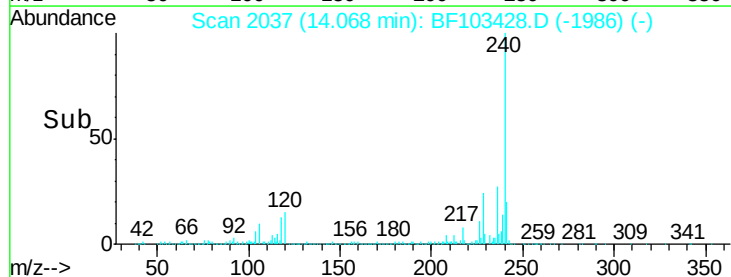
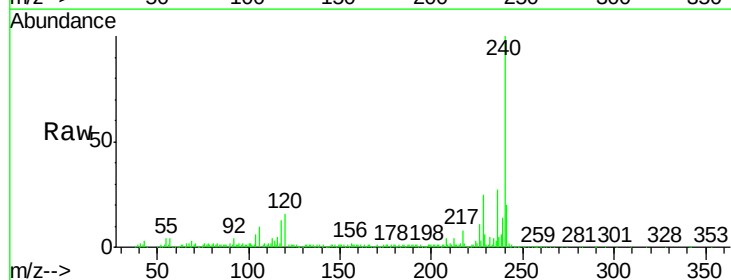
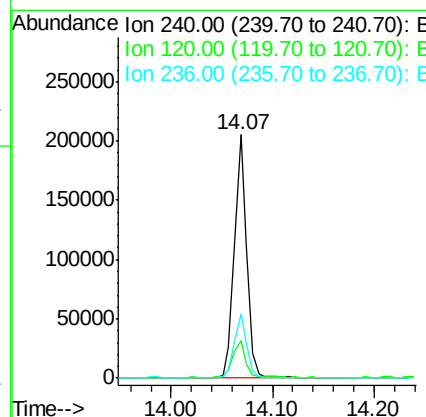
RT: 14.07 min Scan# 2037

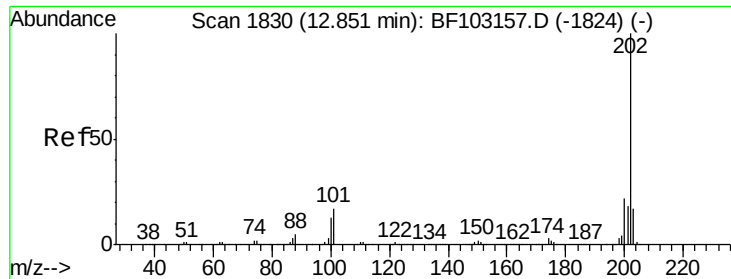
Delta R.T. 0.00 min

Lab File: BF103428.D

Acq: 6 Mar 2018 00:01

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.6	9.5	14.3#
236	26.7	20.7	31.1





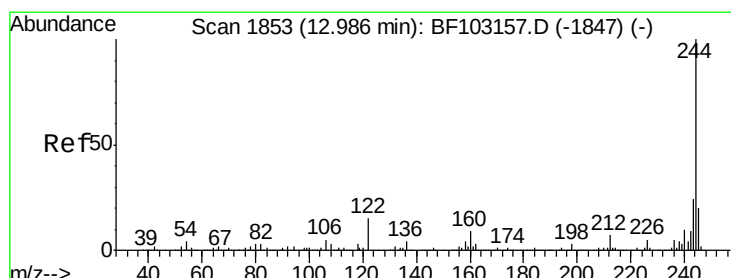
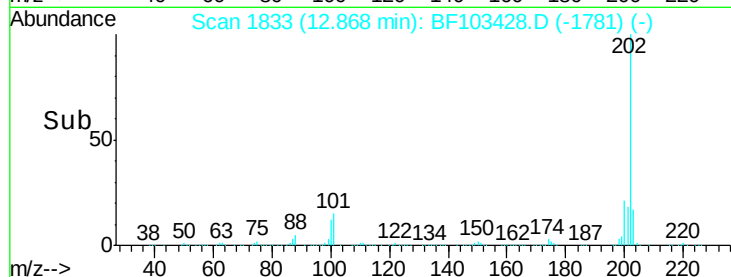
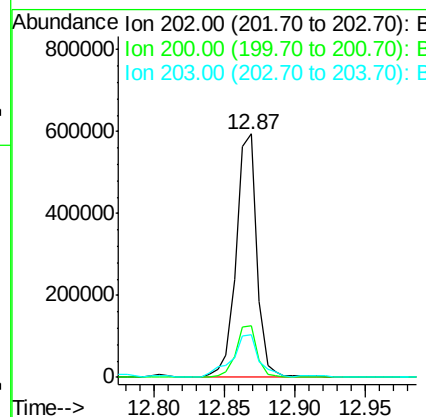
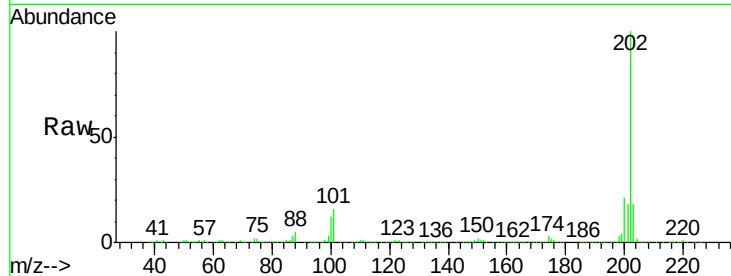
#77
Pvrene
Concen: 44.400 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.5	14.3	21.5

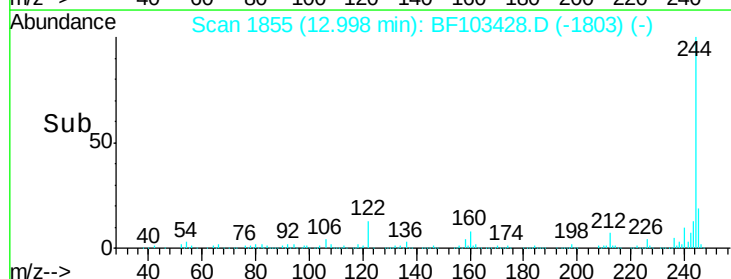
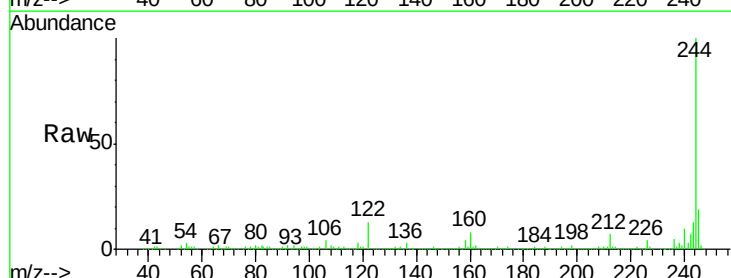
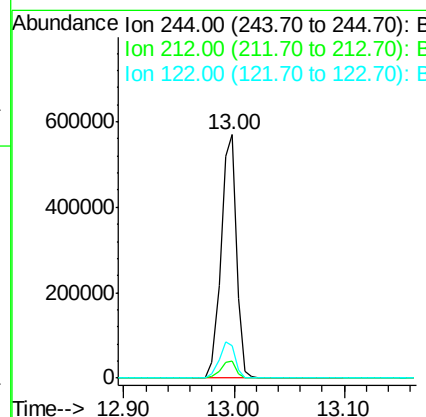
Manual Integrations
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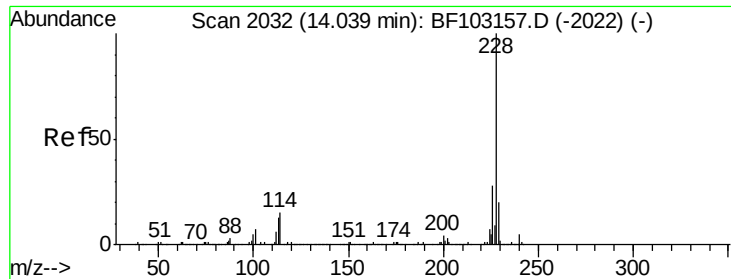
Sohil
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#78
Terphenyl-d14
Concen: 76.157 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.01 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.4	11.0	16.4





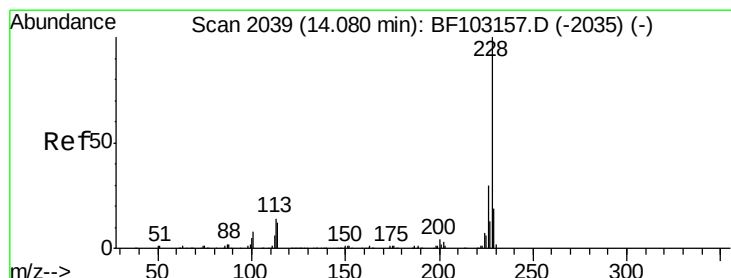
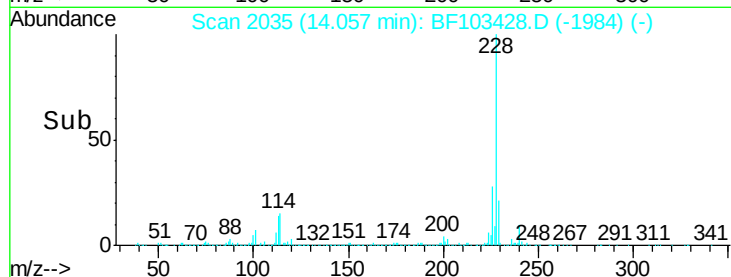
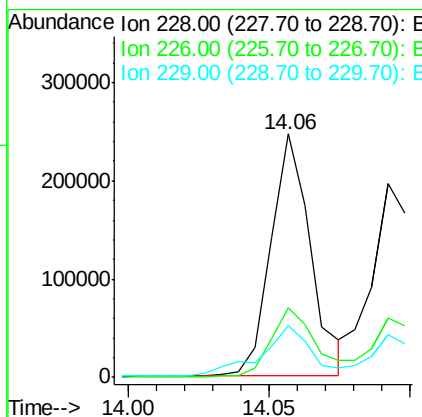
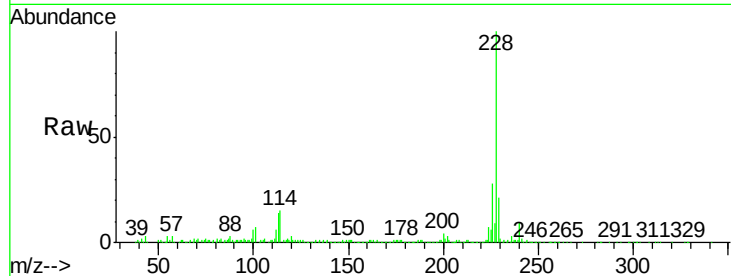
#80
Benzo(a)anthracene
Concen: 21.397 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	21.3	15.8	23.6

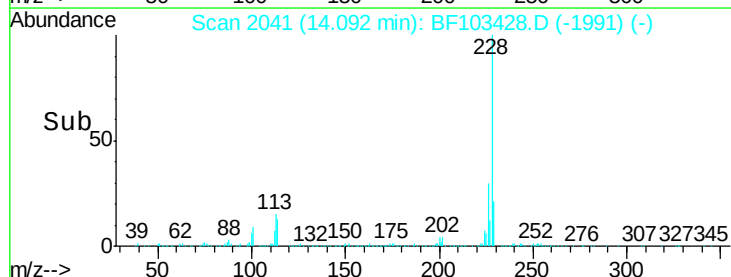
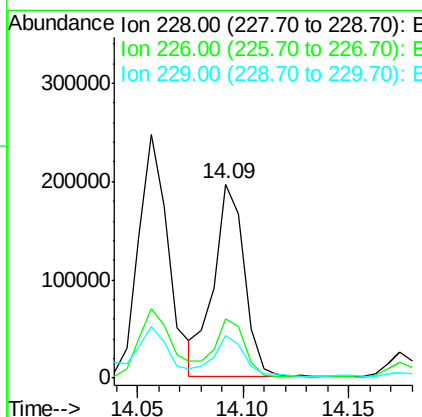
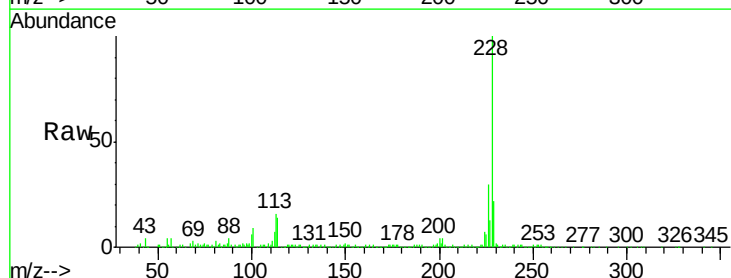
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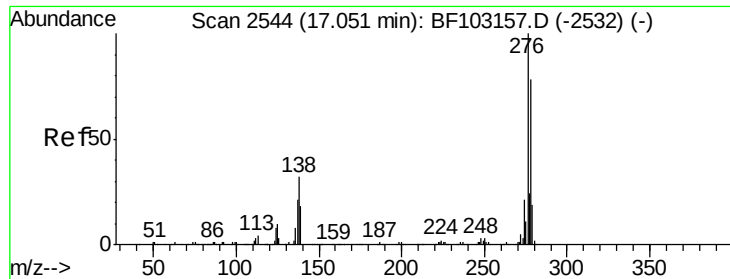
Sohil
3/6/2018 4:23:46 PM



#82
Chrysene
Concen: 18.159 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.2	16.2	24.4





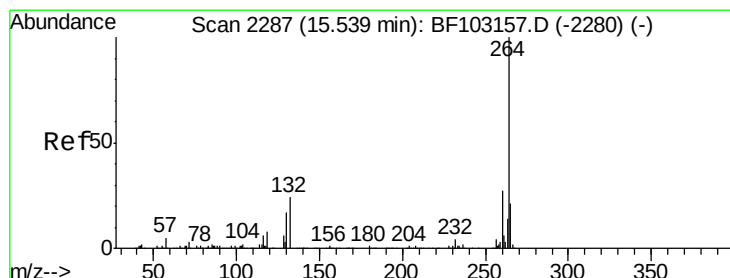
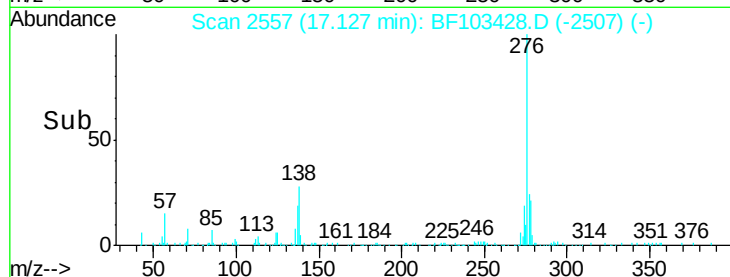
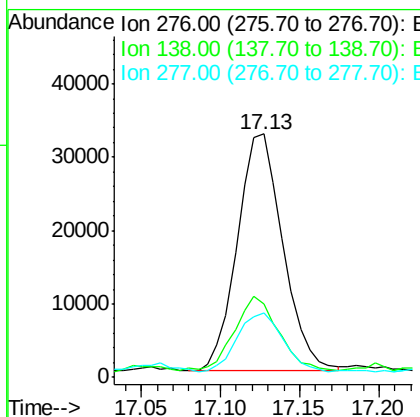
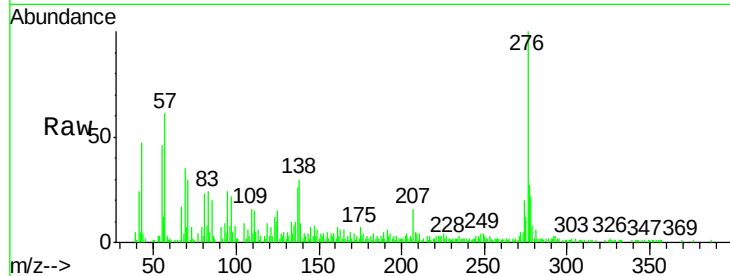
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.444 ng
 RT: 17.13 min Scan# 2557
 Delta R.T. -0.01 min
 Lab File: BF103428.D
 Acq: 6 Mar 2018 00:01

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.8	25.0	37.6
277	24.9	20.1	30.1

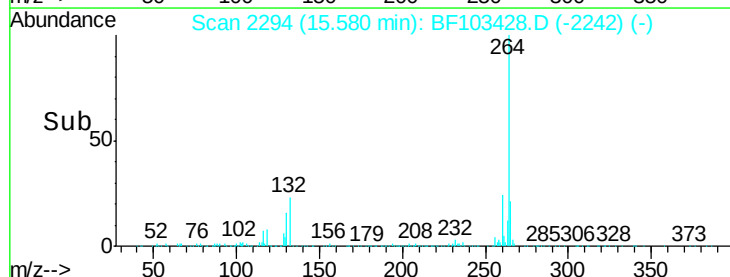
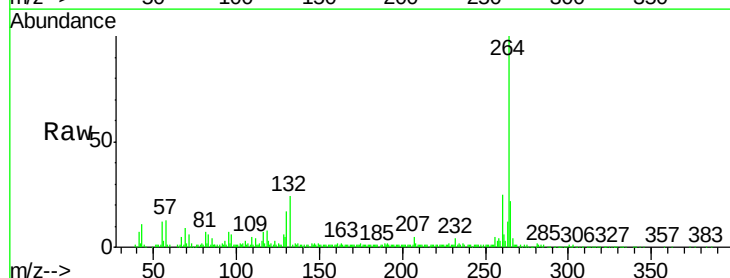
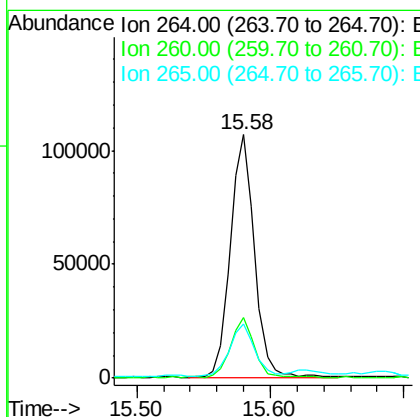
Manual Integrations
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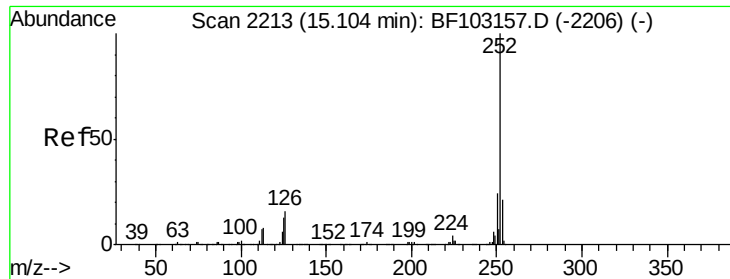
Sohil
 3/6/2018 4:23:46 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.58 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BF103428.D
 Acq: 6 Mar 2018 00:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.3	17.5	26.3





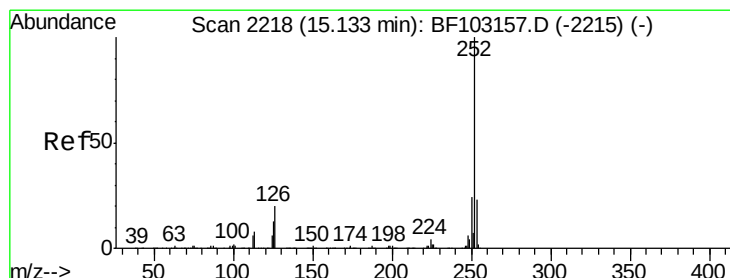
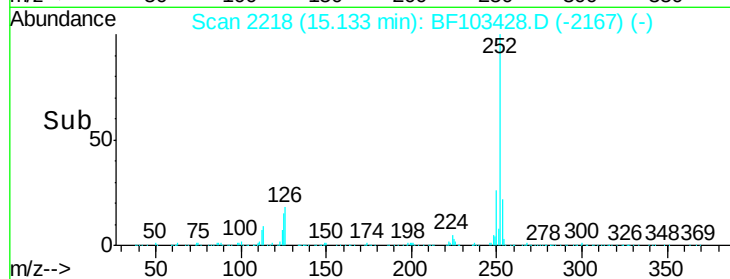
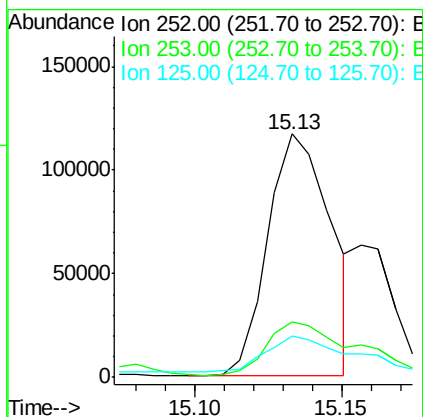
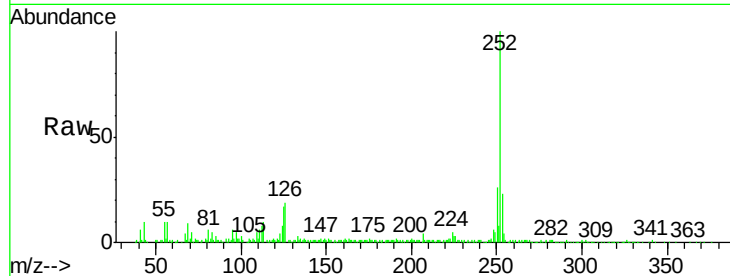
#87
Benzo(b)fluoranthene
Concen: 19.767 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	16.9	9.0	13.6

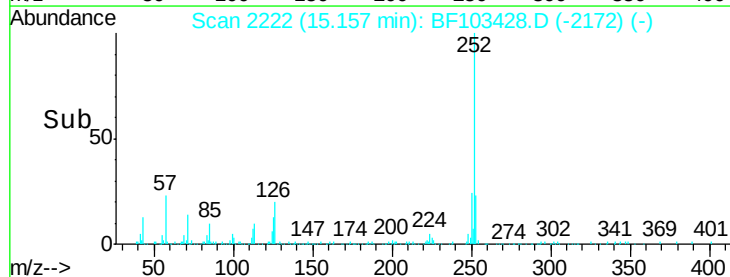
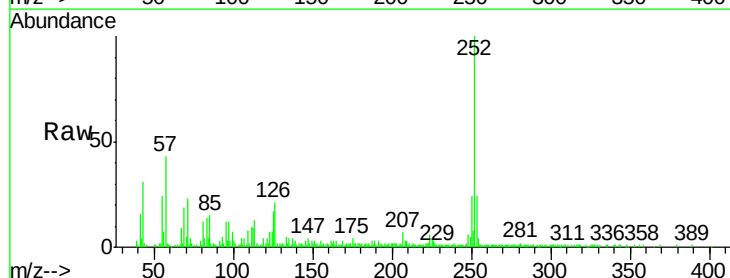
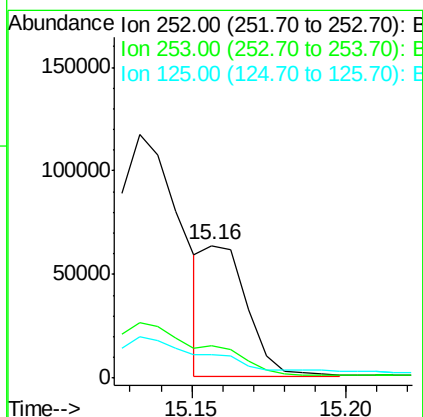
Manual Integrations
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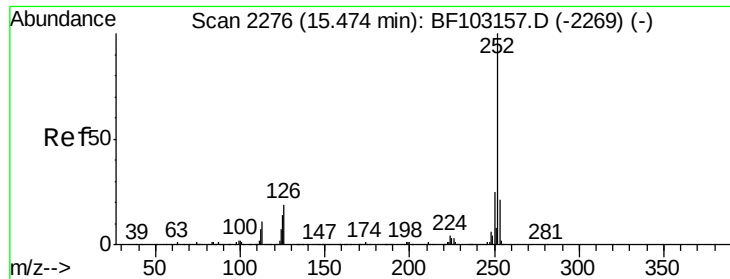
Sohil
3/6/2018 4:23:46 PM



#88
Benzo(k)fluoranthene
Concen: 7.329 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	17.3	10.2	15.2





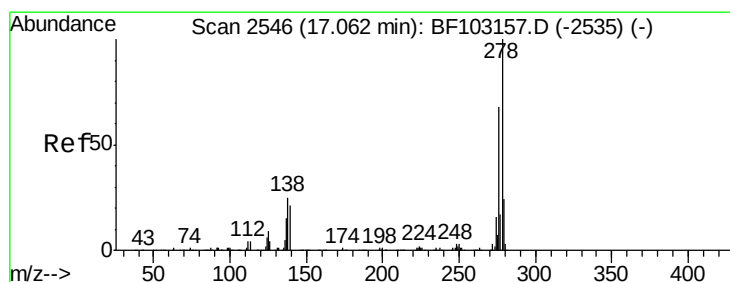
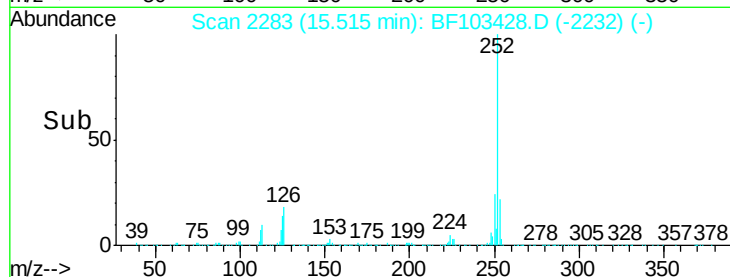
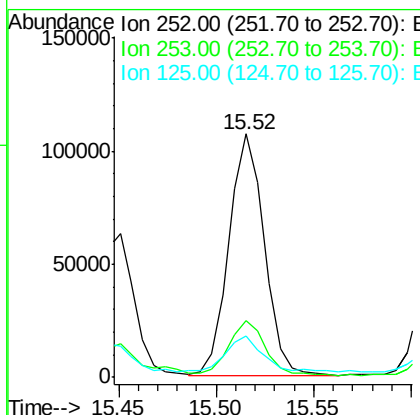
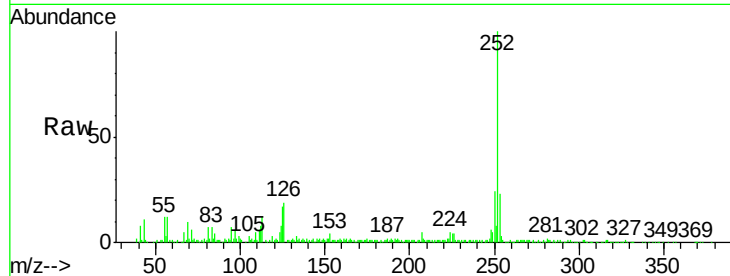
#89
Benzo(a)pyrene
Concen: 17.101 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	16.8	9.8	14.6

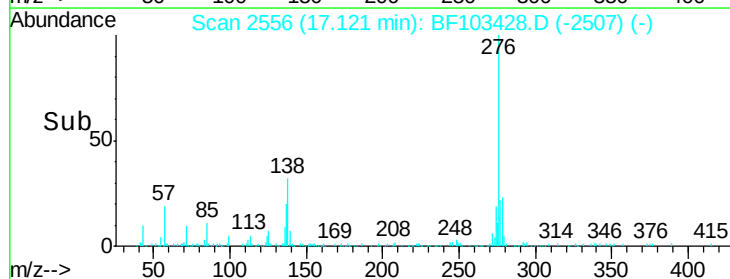
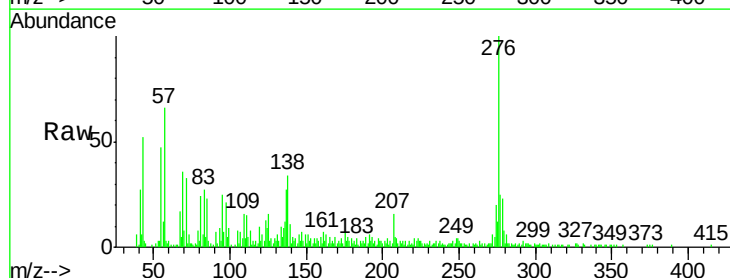
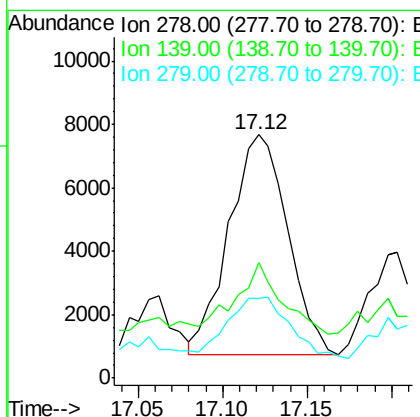
Manual Integrations
APPROVED

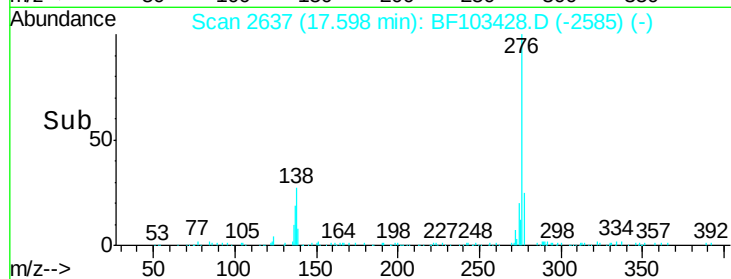
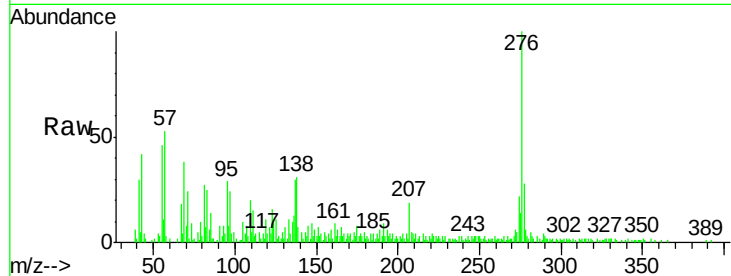
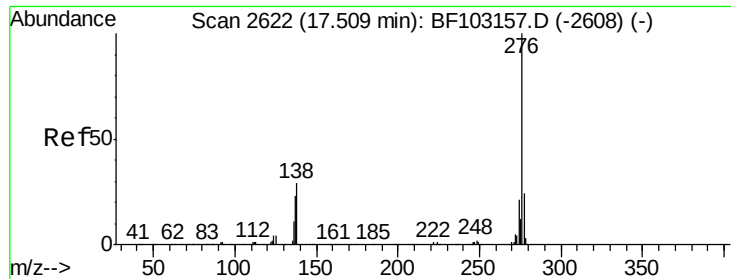
Sohil
3/6/2018 4:23:46 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.730 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF103428.D
Acq: 6 Mar 2018 00:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	47.4	15.9	23.9
279	32.8	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 9.833 ng
 RT: 17.60 min Scan# 2637
 Delta R.T. 0.01 min
 Lab File: BF103428.D
 Acq: 6 Mar 2018 00:01

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	17.9	26.9#
138	38.6	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 3/6/2018 4:23:46 PM

