

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030818\
 Data File : BF103527.D
 Acq On : 8 Mar 2018 20:02
 Operator : SJ/JU
 Sample : J1819-03 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11

Manual Integrations
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Sohil
 3/9/2018 11:39:39 AM

Quant Time: Mar 09 00:50:10 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 08 14:20:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	136903	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	639335	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	214385	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	319225	20.00	ng	0.00
75) Chrysene-d12	14.06	240	225418	20.00	ng	0.00
86) Perylene-d12	15.56	264	173582	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	351399	38.82	ng	0.00
7) Phenol-d6	6.50	99	481026	43.43	ng	0.00
23) Nitrobenzene-d5	7.43	82	294438	26.30	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	54656	30.12	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	420188	27.88	ng	0.00
78) Terphenyl-d14	12.98	244	271935	29.00	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.17	128	97039	3.100	ng	99
37) 2-Methylnaphthalene	8.86	142	159352	7.877	ng	99
51) Acenaphthene	9.94	154	85029	6.668	ng	99
54) Dibenzofuran	10.12	168	90765	5.185	ng	95
57) Fluorene	10.46	166	67846	4.550	ng	99
70) Phenanthrene	11.43	178	475129	27.045	ng	98
71) Anthracene	11.48	178	148736	8.256	ng	100
72) Carbazole	11.65	167	70869	3.950	ng	98
73) Di-n-butylphthalate	11.95	149	64567	2.876	ng	100
74) Fluoranthene	12.62	202	526544	29.826	ng	99
77) Pyrene	12.85	202	453460	25.801	ng	99
80) Benzo(a)anthracene	14.04	228	176677	12.080	ng	98
82) Chrysene	14.09	228	162589	11.449	ng	98
83) Bis(2-ethylhexyl)phthalate	14.00	149	32954	2.630	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.11	276	63622	5.659	ng	94
87) Benzo(b)fluoranthene	15.12	252	154891m	13.572	ng	
88) Benzo(k)fluoranthene	15.14	252	61684m	5.740	ng	
89) Benzo(a)pyrene	15.50	252	113321	11.119	ng	# 94
91) Benzo(a,h,i)perylene	17.59	276	60793	7.898	ng	96

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

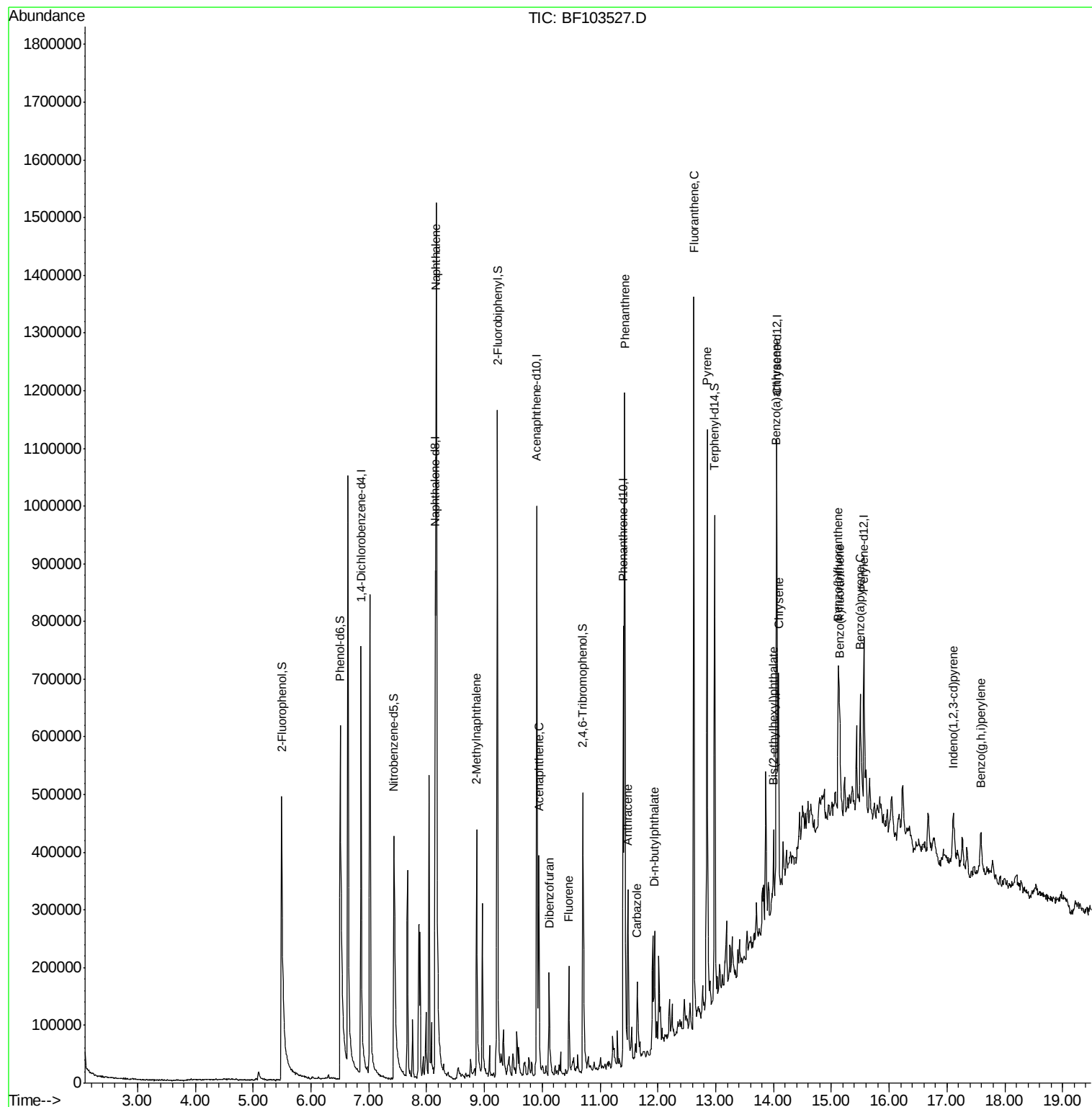
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103527.D
Acq On : 8 Mar 2018 20:02
Operator : SJ/JU
Sample : J1819-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

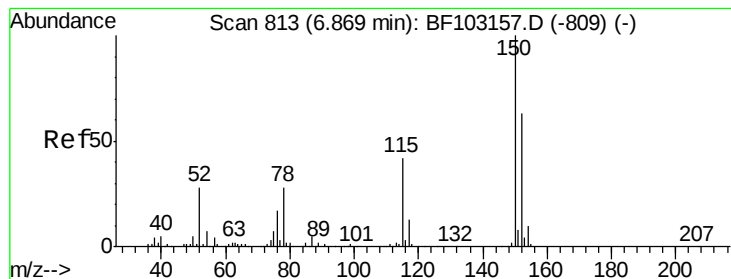
Instrument :
BNA_F
ClientSampled :
TP-11

Quant Time: Mar 09 00:50:10 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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#1

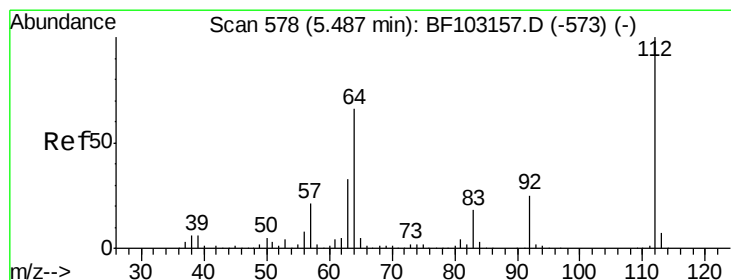
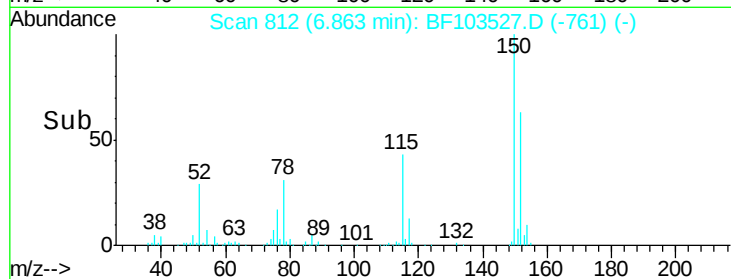
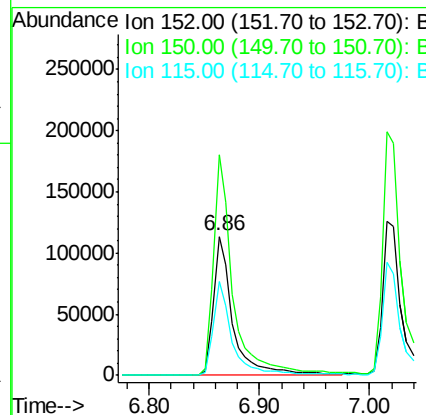
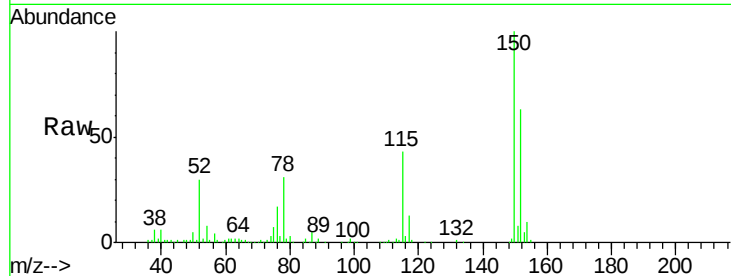
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Instrument :
BNA_F
ClientSampled :
TP-11

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.6	186.8
115	67.6	50.1	75.1

Manual Integrations
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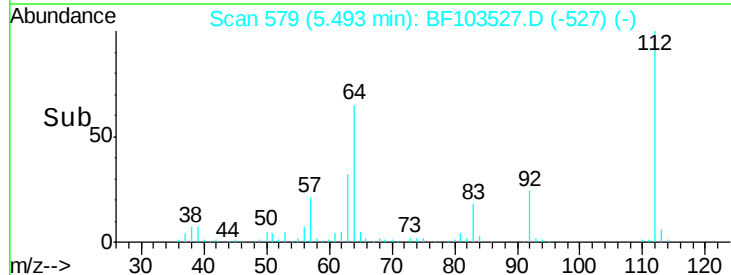
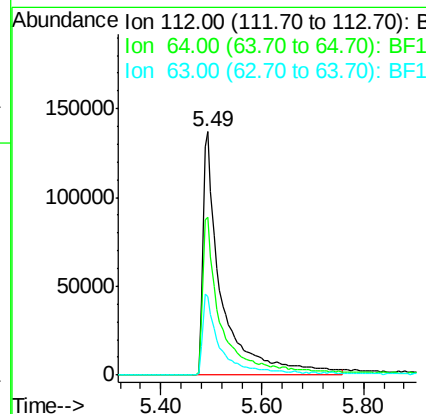
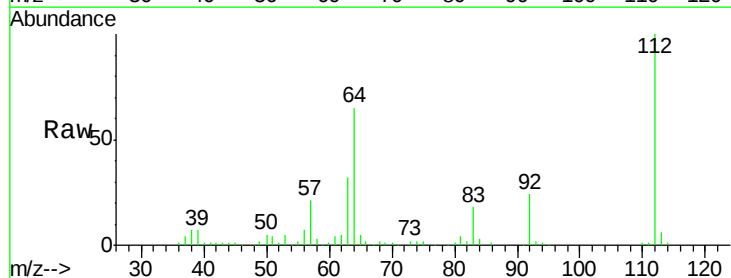
Sohil
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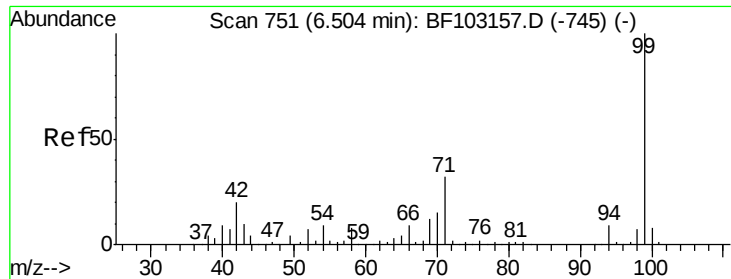


#5

2-Fluorophenol
Concen: 38.821 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	47.9	71.9
63	32.3	23.7	35.5





#7

Phenol-d6

Concen: 43.428 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103527.D

Acq: 8 Mar 2018 20:02

Instrument :

BNA_F

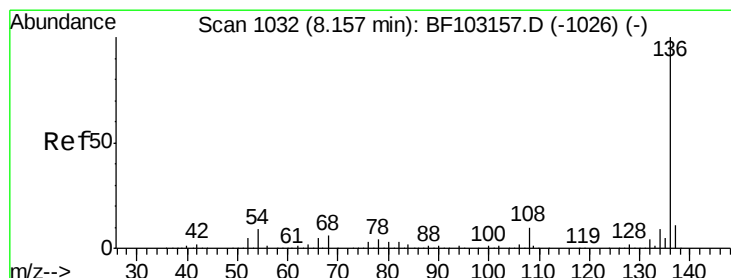
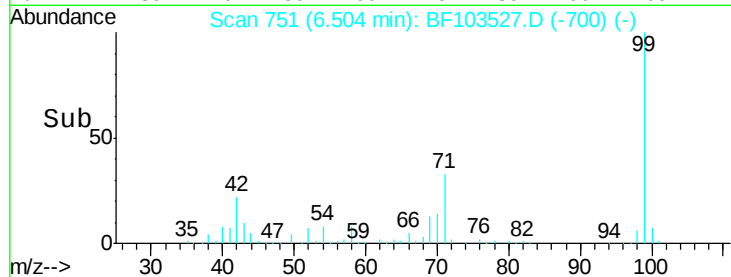
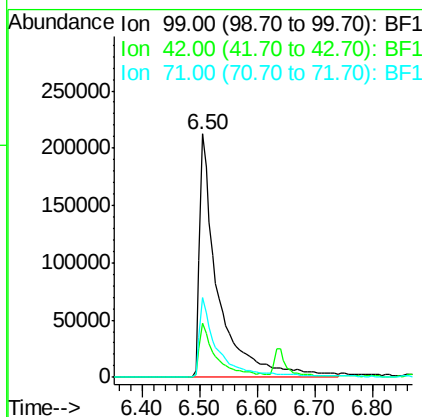
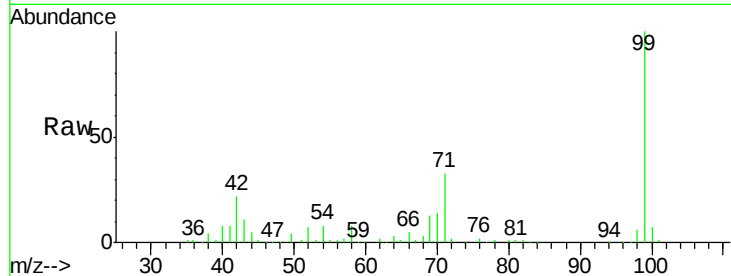
ClientSampled :

TP-11

Tot Ion:	99	Resp:	481026
Ion	Ratio	Lower	Upper
99	100		
42	22.3	14.5	21.7#
71	32.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

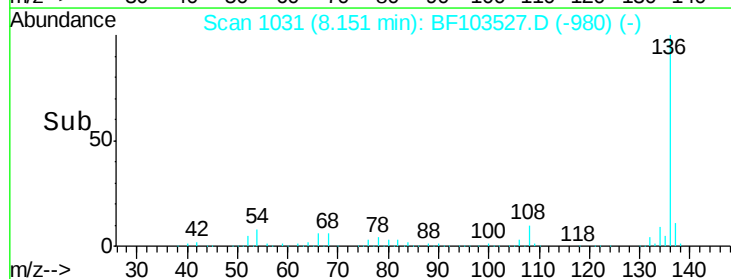
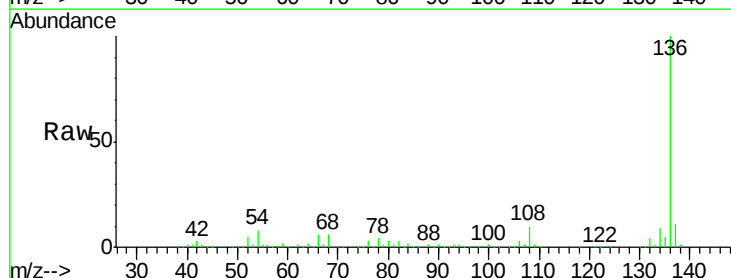
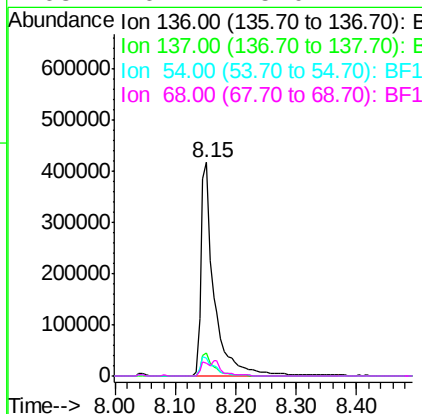
RT: 8.15 min Scan# 1031

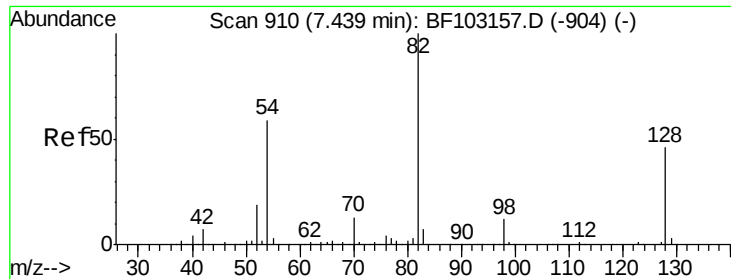
Delta R.T. 0.00 min

Lab File: BF103527.D

Acq: 8 Mar 2018 20:02

Tgt Ion:	136	Resp:	639335
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.3	6.6	9.8
68	6.2	5.0	7.4





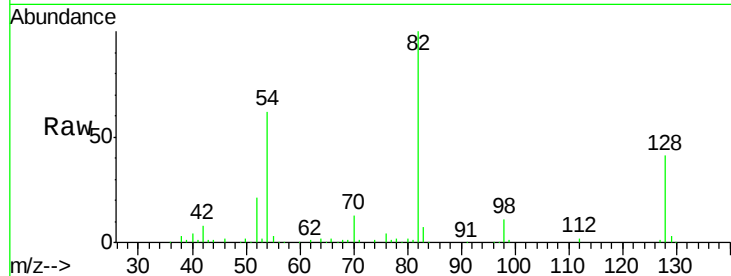
#23
Nitrobenzene-d5
Concen: 26.301 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Instrument :
BNA_F
ClientSampled :
TP-11

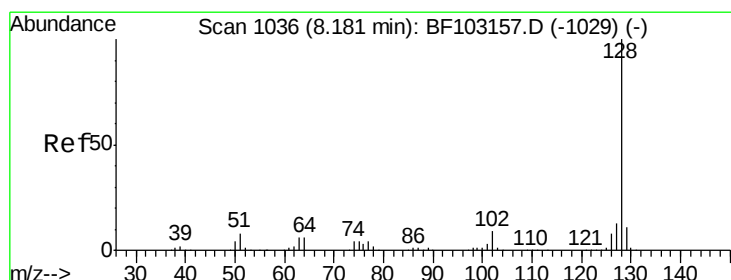
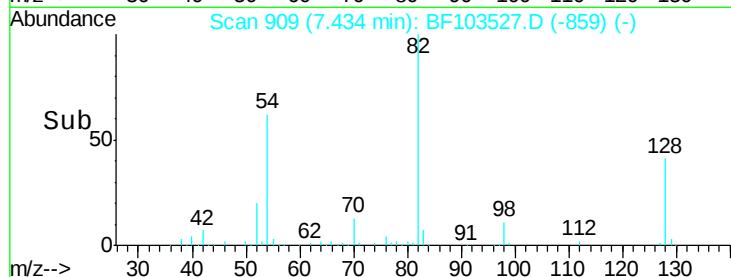
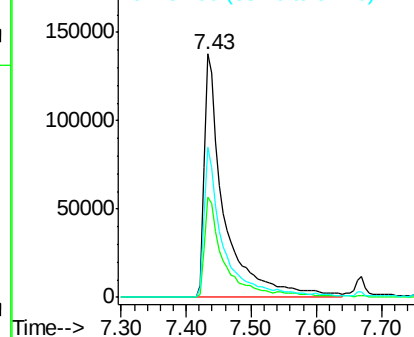
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	36.1	54.1
54	61.8	41.4	62.2

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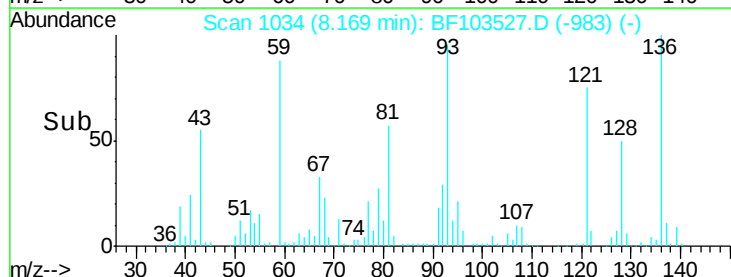
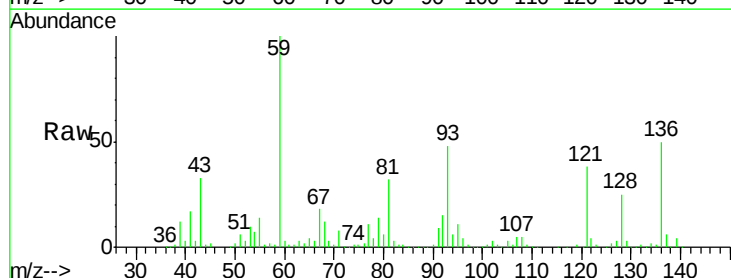
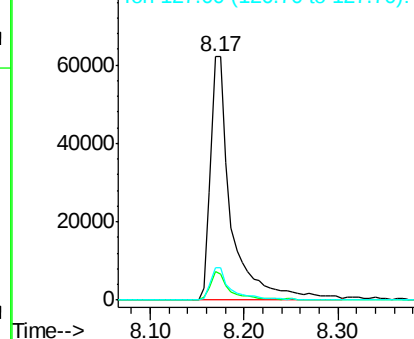
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

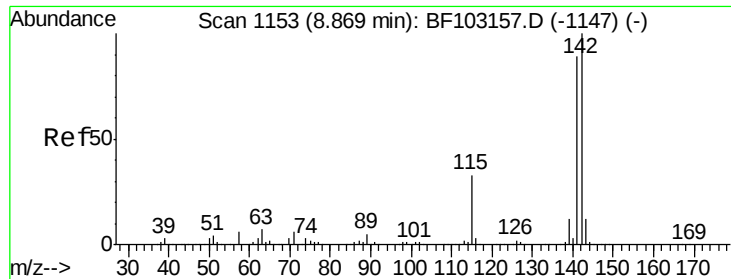


#31
Naphthalene
Concen: 3.100 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	13.2	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





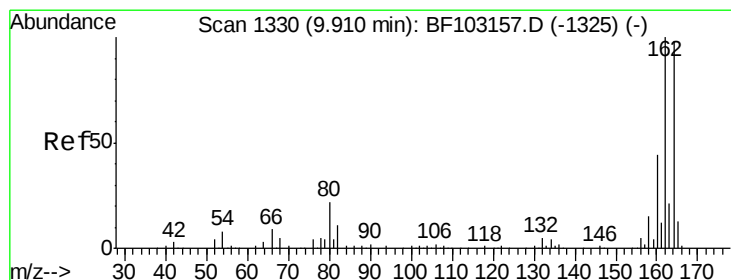
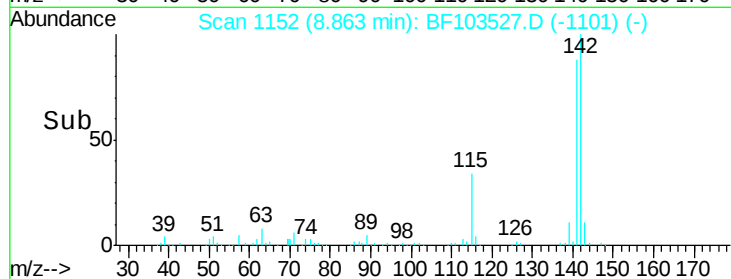
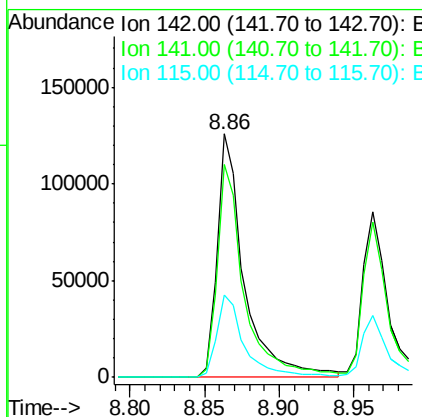
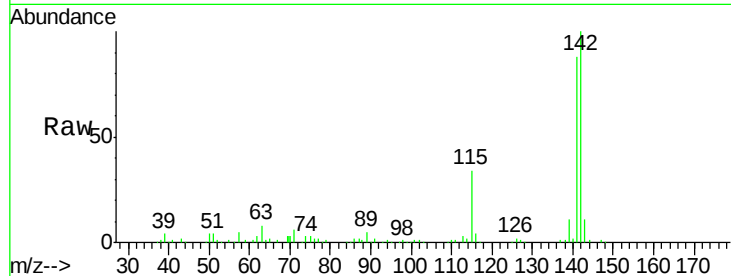
#37
2-Methylnaphthalene
Concen: 7.877 ng
RT: 8.86 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Instrument :
BNA_F
ClientSampleId :
TP-11

Tot Ion	Ratio	Resp	Lower	Upper
142	100	159352		
141	87.5	70.8	106.2	
115	34.0	26.1	39.1	

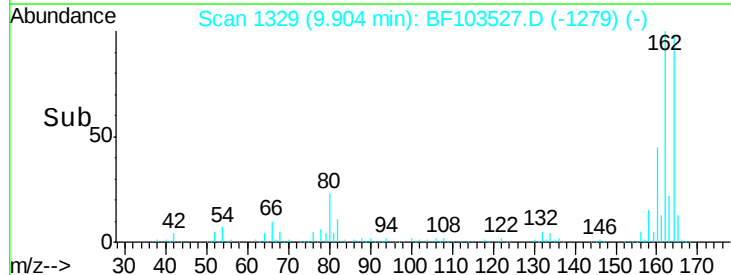
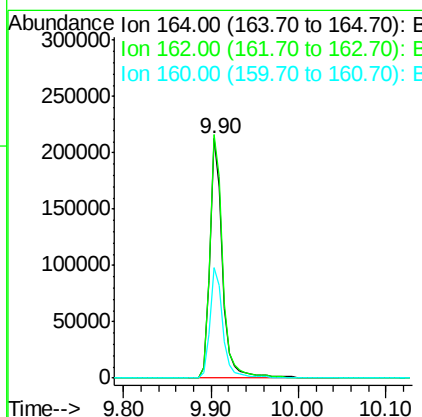
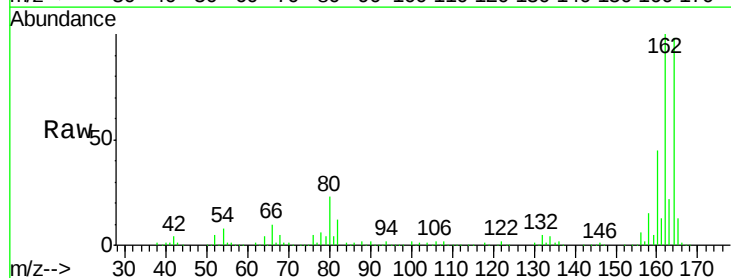
Manual Integrations
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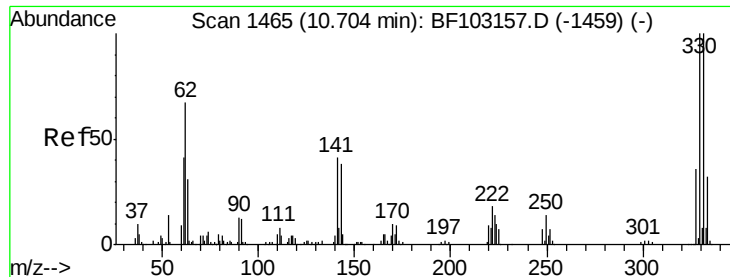
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	214385		
162	101.7	86.1	129.1	
160	46.0	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 30.119 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BF103527.D

Acq: 8 Mar 2018 20:02

Instrument :

BNA_F

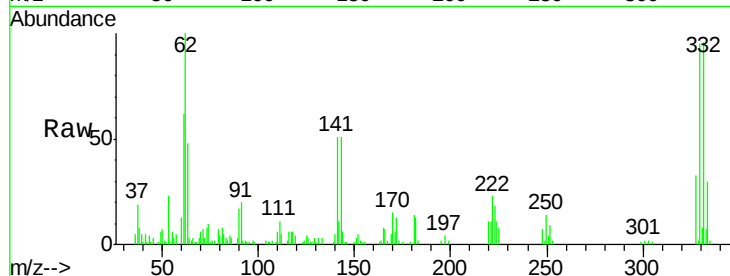
ClientSampled :

TP-11

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.7	77.0	115.6
141	55.2	29.9	44.9

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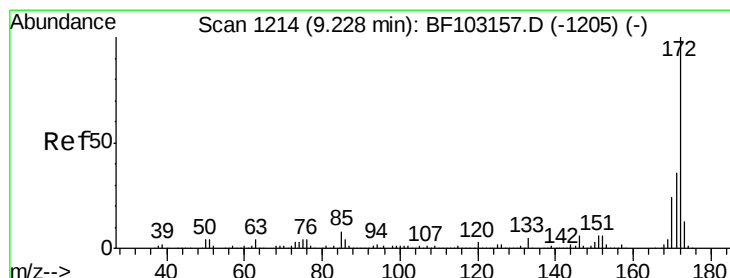
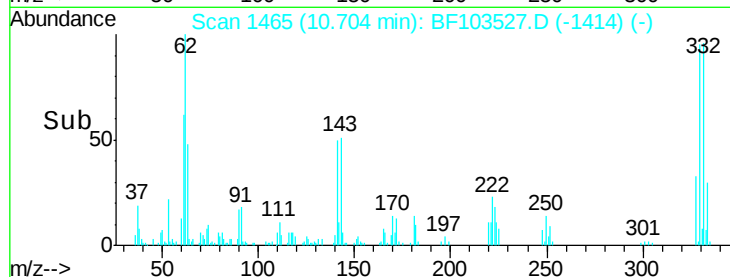
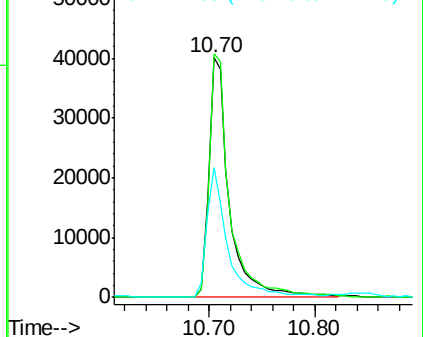
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Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 27.879 ng

RT: 9.22 min Scan# 1213

Delta R.T. 0.00 min

Lab File: BF103527.D

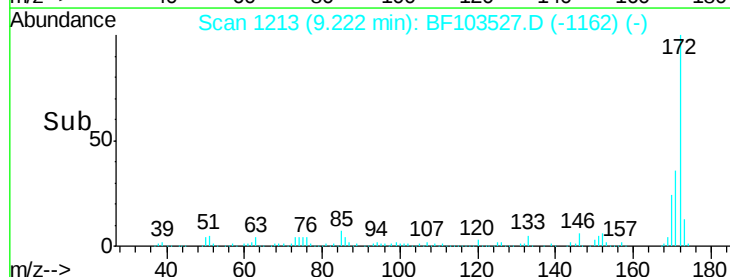
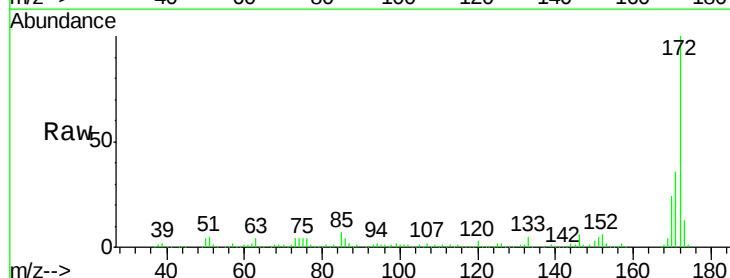
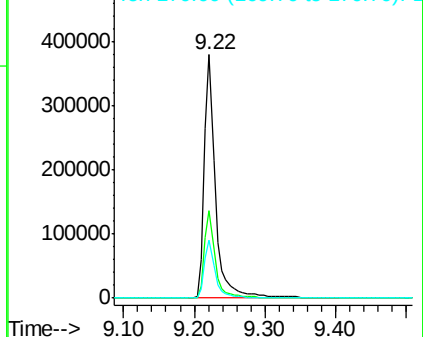
Acq: 8 Mar 2018 20:02

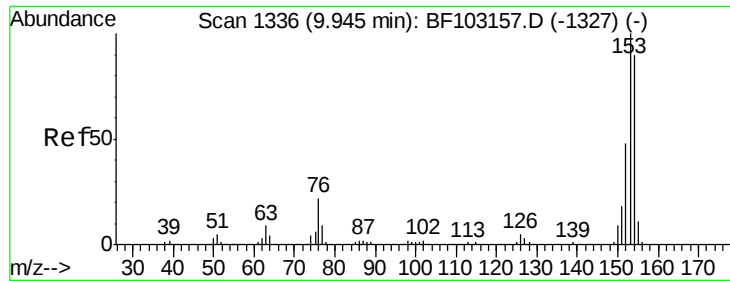
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.9	19.6	29.4

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





#51

Acenaphthene

Concen: 6.668 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF103527.D

Acq: 8 Mar 2018 20:02

Instrument :

BNA_F

ClientSampleId :

TP-11

Tot Ion:154 Resp: 85029

Ion Ratio Lower Upper

154 100

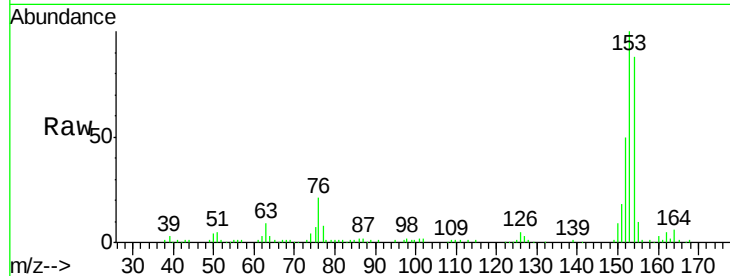
153 113.2 91.2 136.8

152 56.7 43.8 65.8

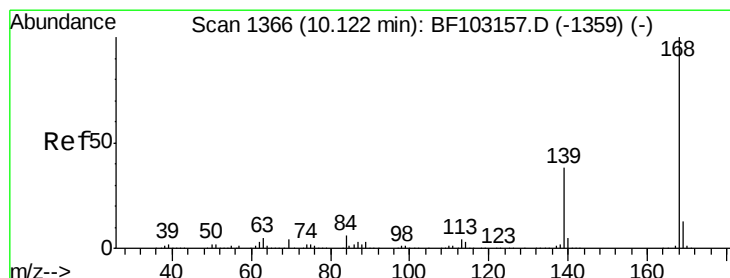
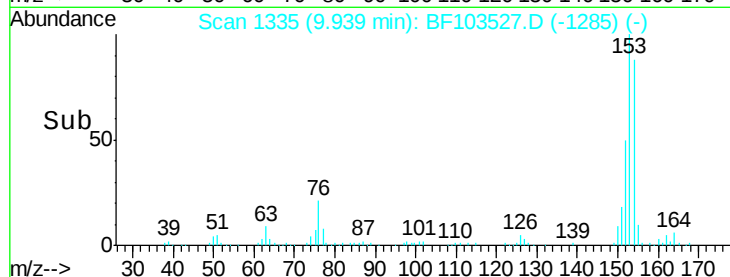
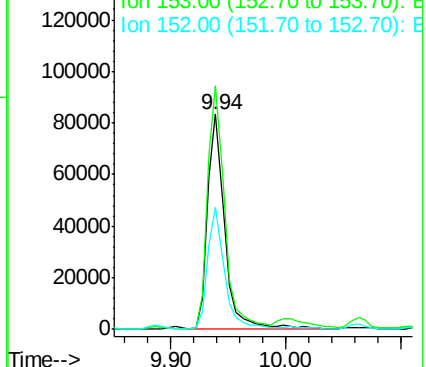
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 5.185 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.00 min

Lab File: BF103527.D

Acq: 8 Mar 2018 20:02

Tgt Ion:168 Resp: 90765

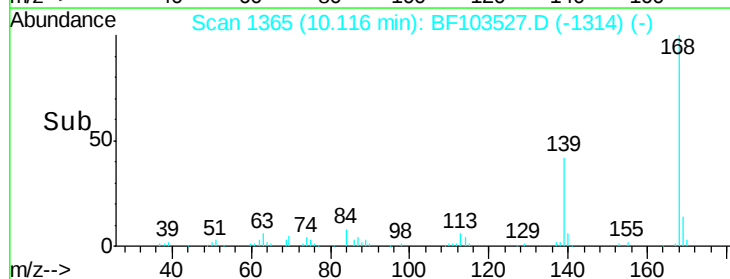
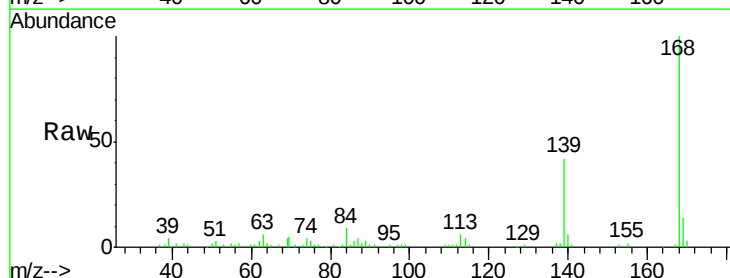
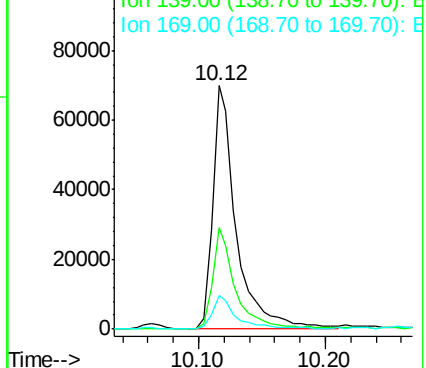
Ion Ratio Lower Upper

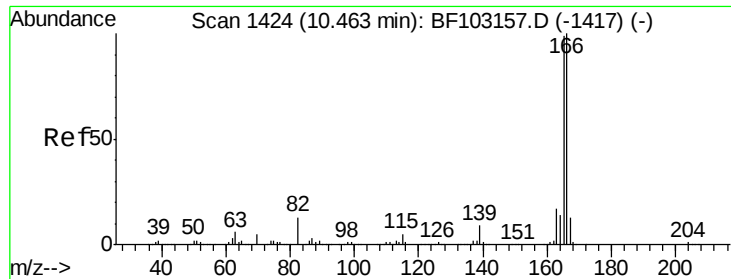
168 100

139 41.7 30.1 45.1

169 14.0 10.9 16.3

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





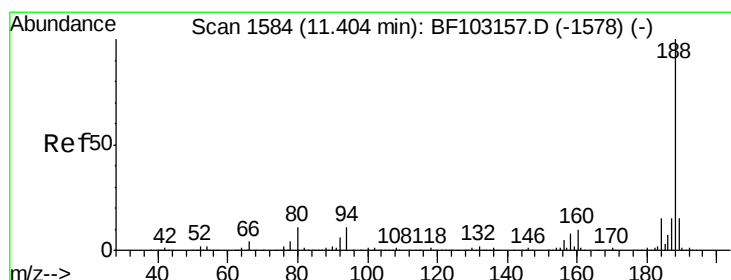
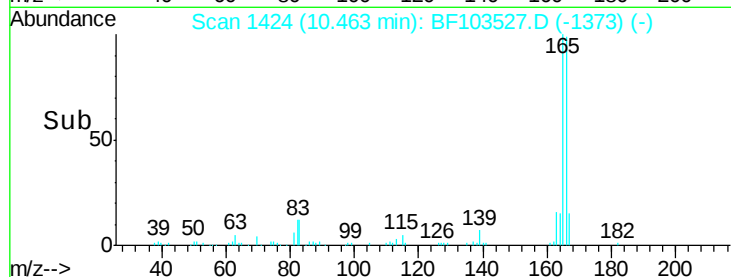
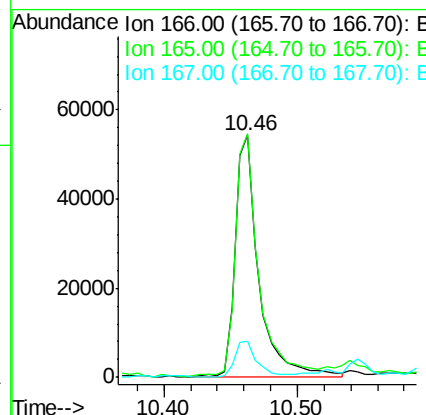
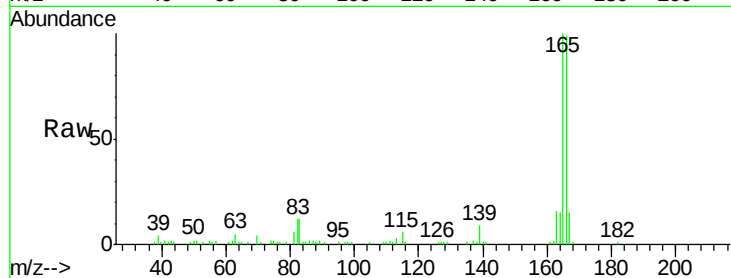
#57
Fluorene
 Concen: 4.550 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: BF103527.D
 Acq: 8 Mar 2018 20:02

Instrument :
 BNA_F
 ClientSampled :
 TP-11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	100.6	79.8	119.8		
167	14.9	10.6	16.0		

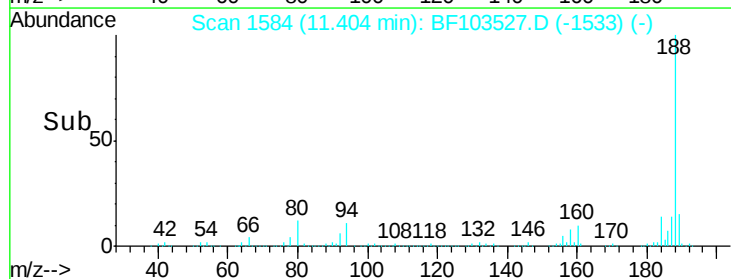
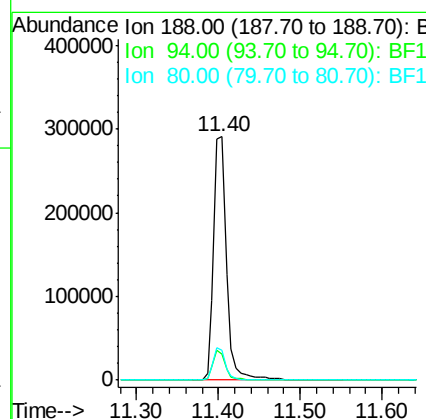
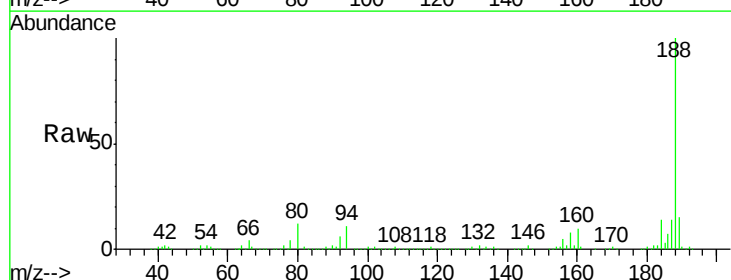
Manual Integrations
 APPROVED

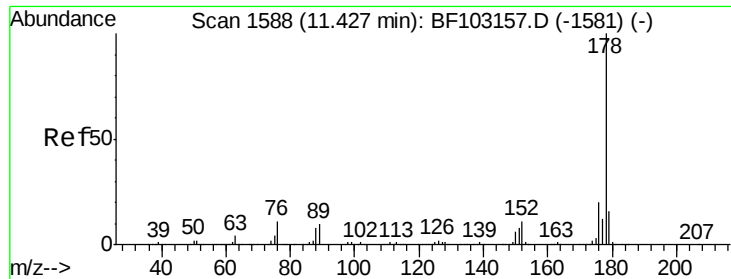
Sohil
 3/9/2018 11:39:39 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF103527.D
 Acq: 8 Mar 2018 20:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	10.9	8.5	12.7		
80	12.2	9.2	13.8		





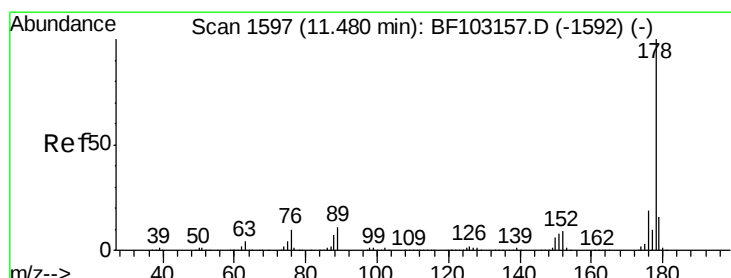
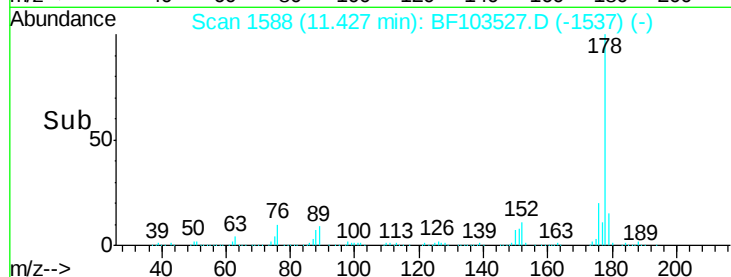
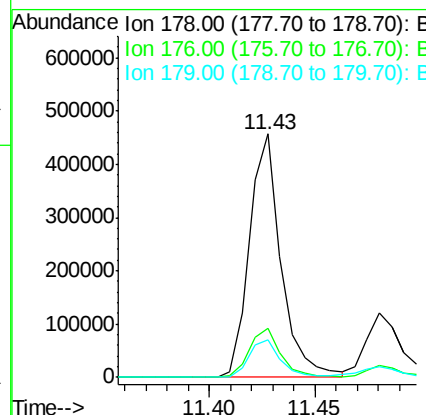
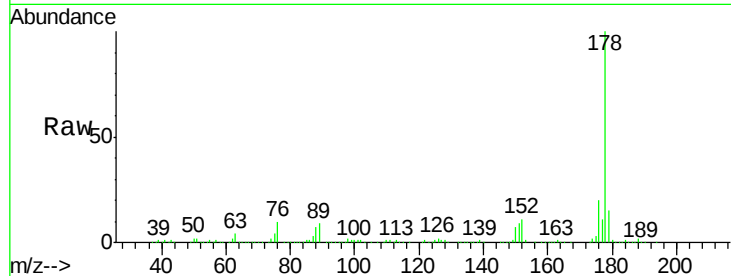
#70
Phenanthrene
Concen: 27.045 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Instrument :
BNA_F
ClientSampled :
TP-11

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	15.2	13.0	19.6

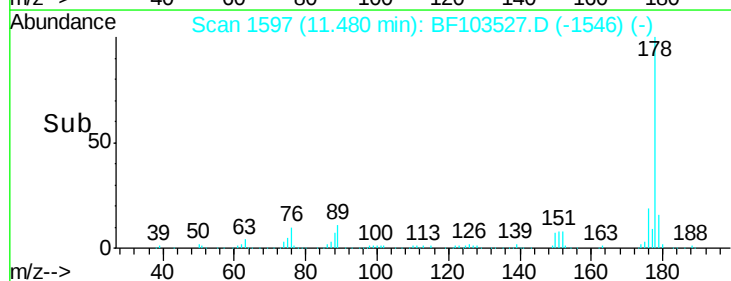
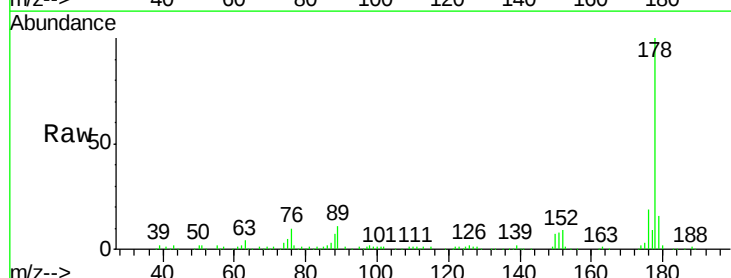
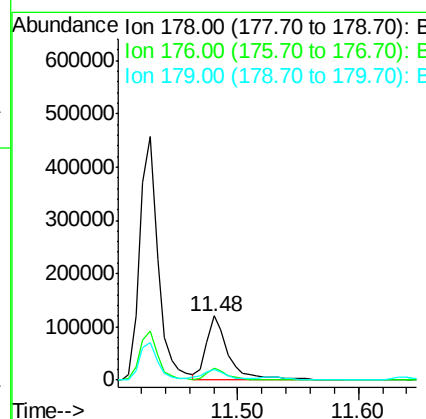
Manual Integrations
APPROVED

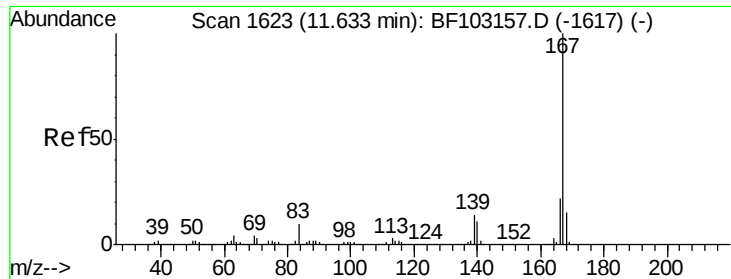
Sohil
3/9/2018 11:39:39 AM



#71
Anthracene
Concen: 8.256 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.00 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.8	12.6	19.0





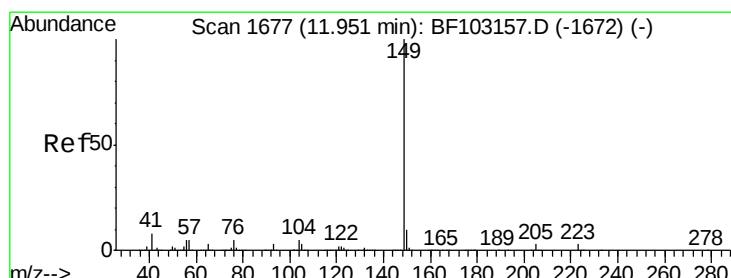
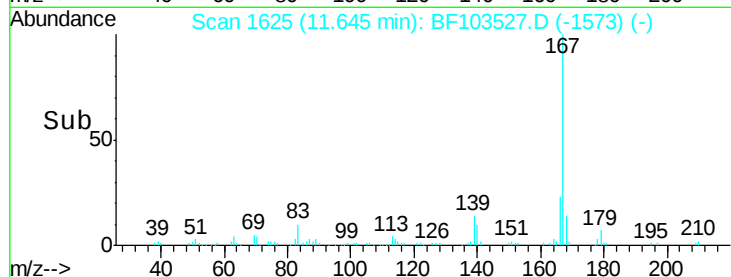
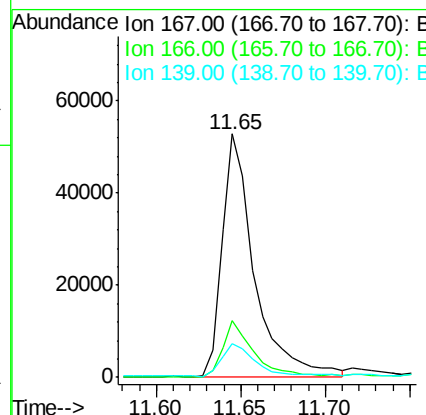
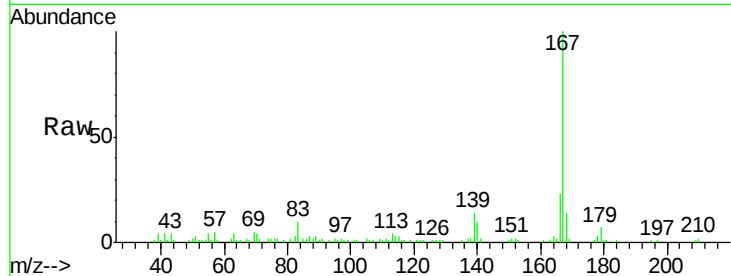
#72
 Carbazole
 Concen: 3.950 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BF103527.D
 Acq: 8 Mar 2018 20:02

Instrument :
 BNA_F
 ClientSampleId :
 TP-11

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.6	26.4
139	13.7	10.9	16.3

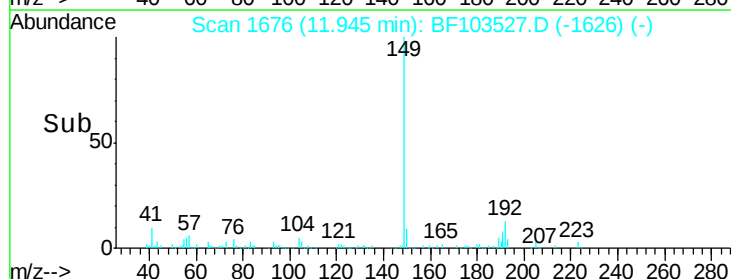
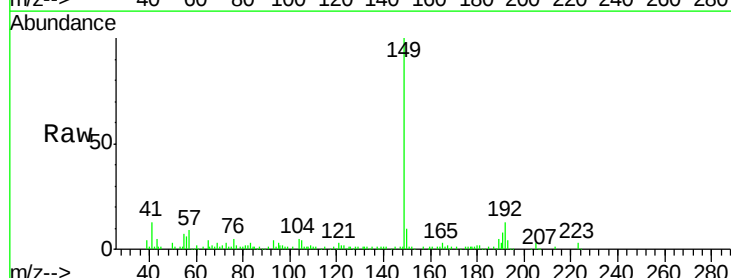
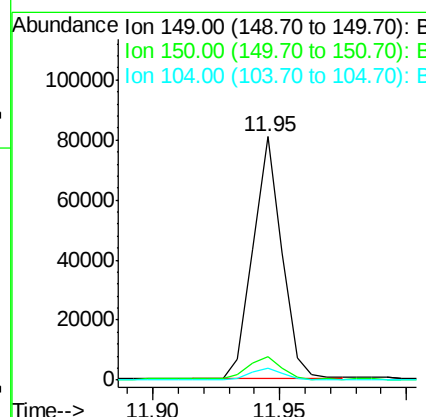
Manual Integrations
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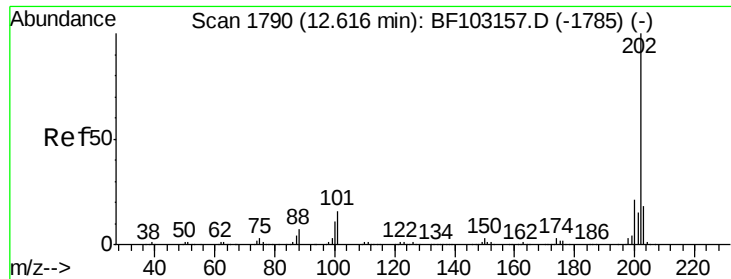
Sohil
 3/9/2018 11:39:39 AM



#73
 Di-n-butylphthalate
 Concen: 2.876 ng
 RT: 11.95 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: BF103527.D
 Acq: 8 Mar 2018 20:02

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.8	11.6
104	4.9	3.8	5.8





#74

Fluoranthene

Concen: 29.826 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103527.D

Acq: 8 Mar 2018 20:02

Instrument :

BNA_F

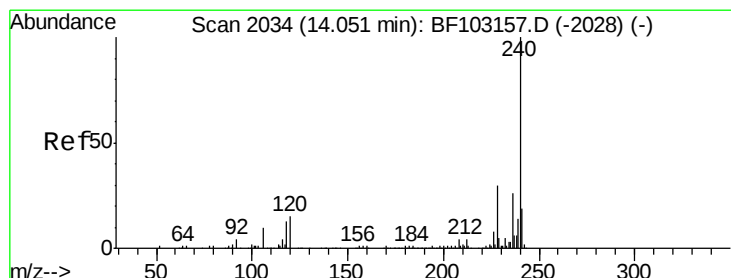
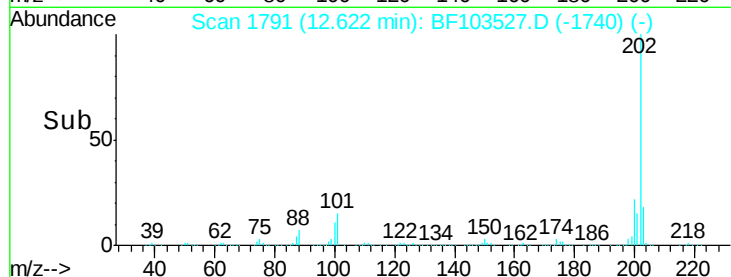
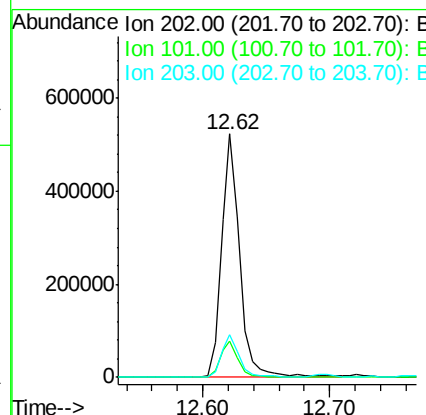
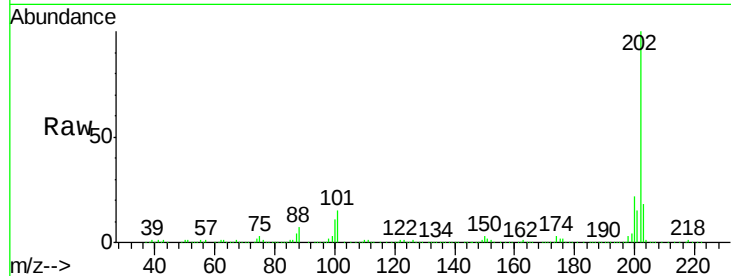
ClientSampled :

TP-11

Tot Ion:	202	Resp:	526544
Ion Ratio	Lower	Upper	
202	100		
101	14.9	0.0	34.1
203	17.7	0.0	38.1

Manual Integrations
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3/9/2018 11:39:39 AM



#75

Chrysene-d12

Concen: 20.000 ng

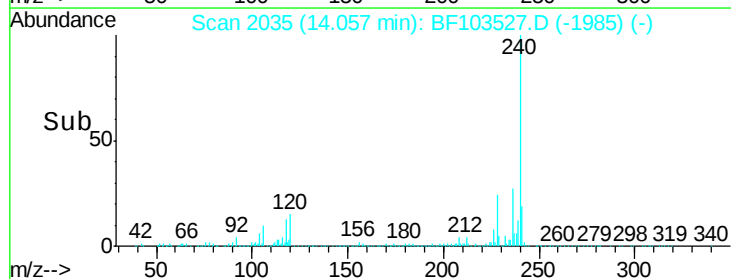
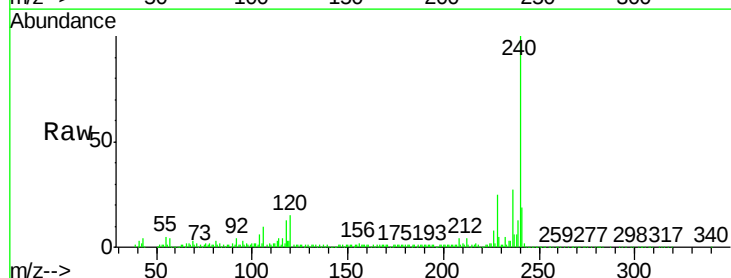
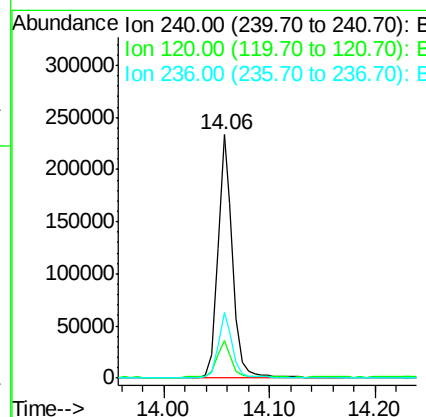
RT: 14.06 min Scan# 2035

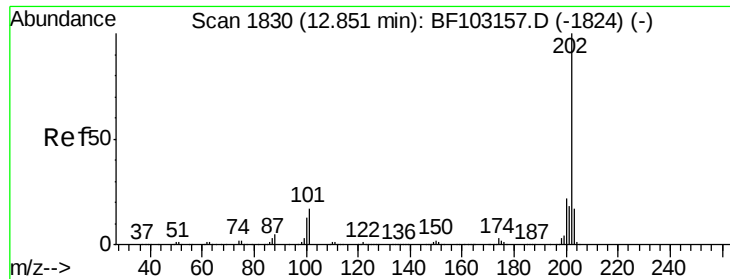
Delta R.T. -0.01 min

Lab File: BF103527.D

Acq: 8 Mar 2018 20:02

Tgt Ion:	240	Resp:	225418
Ion Ratio	Lower	Upper	
240	100		
120	15.4	9.5	14.3#
236	26.8	20.7	31.1





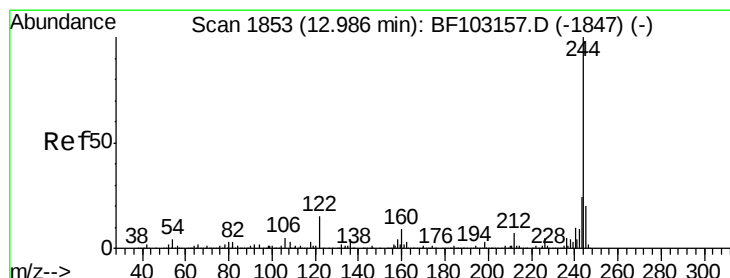
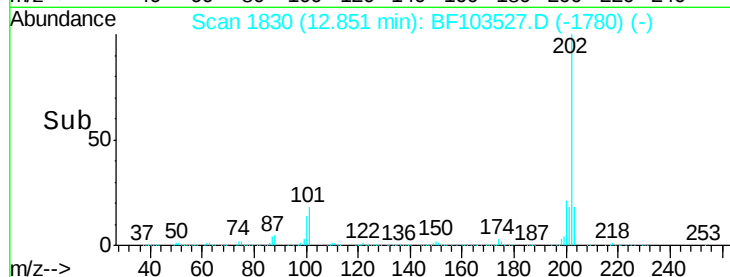
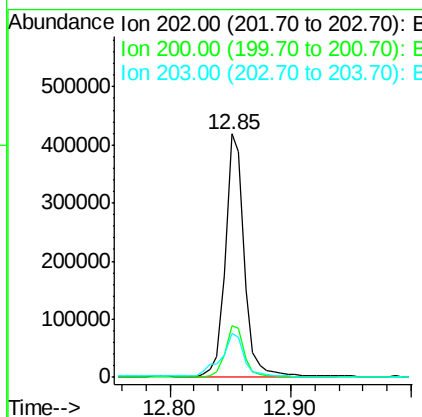
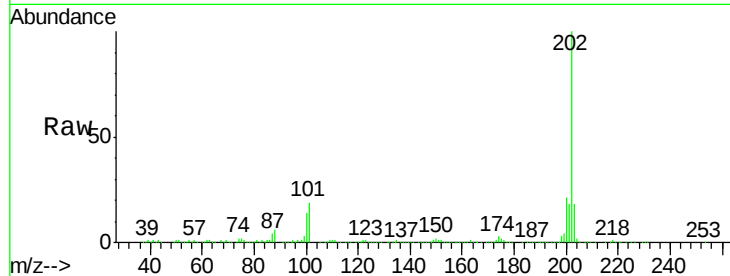
#77
Pvrene
Concen: 25.801 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Instrument :
BNA_F
ClientSampled :
TP-11

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.1	14.3	21.5

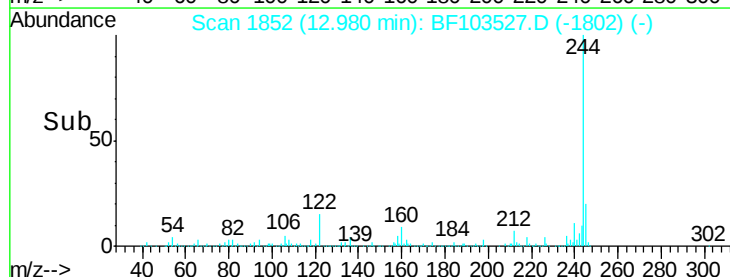
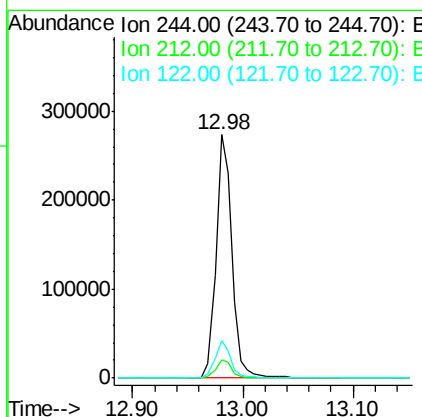
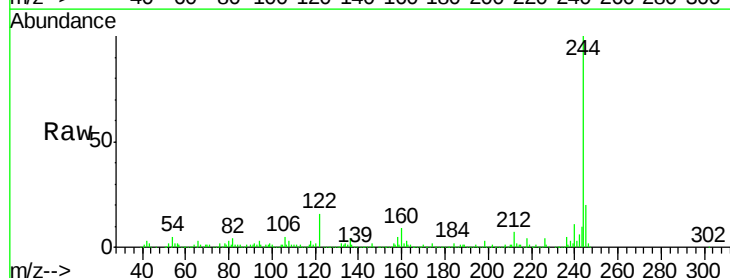
Manual Integrations
APPROVED

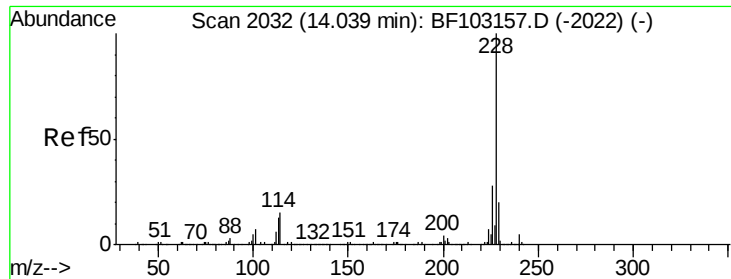
Sohil
3/9/2018 11:39:39 AM



#78
Terphenyl-d14
Concen: 28.999 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	15.6	11.0	16.4





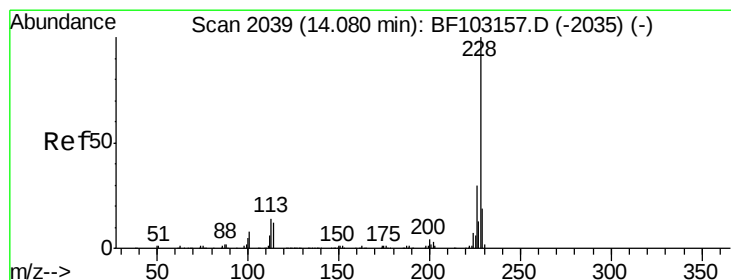
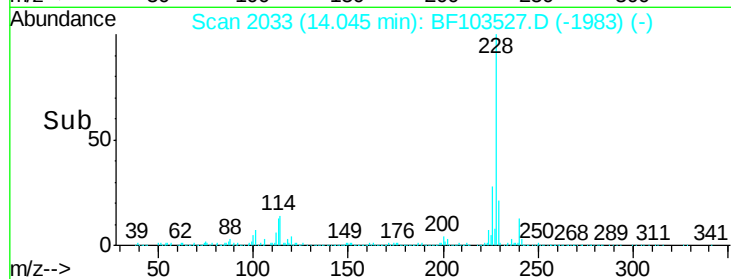
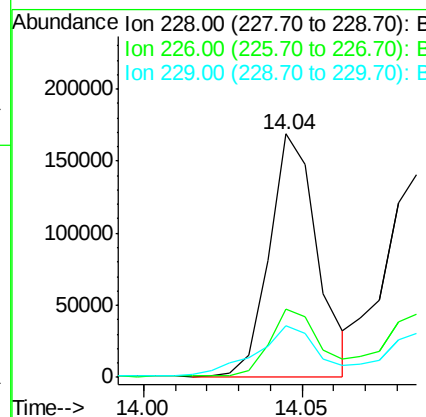
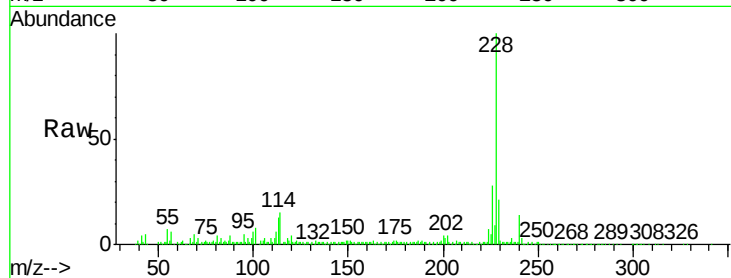
#80
Benzo(a)anthracene
Concen: 12.080 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Instrument :
BNA_F
ClientSampled :
TP-11

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	21.4	15.8	23.6

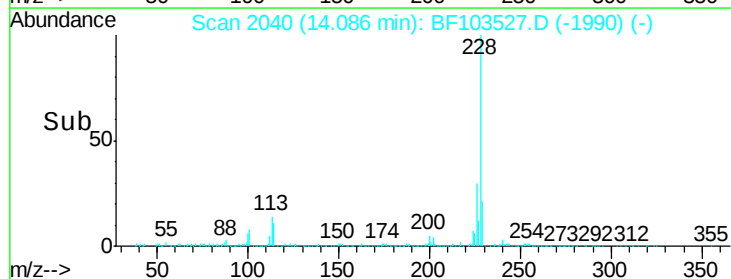
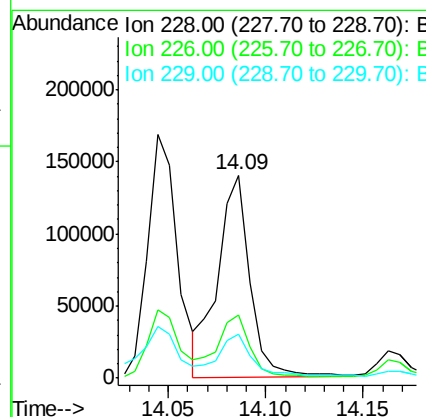
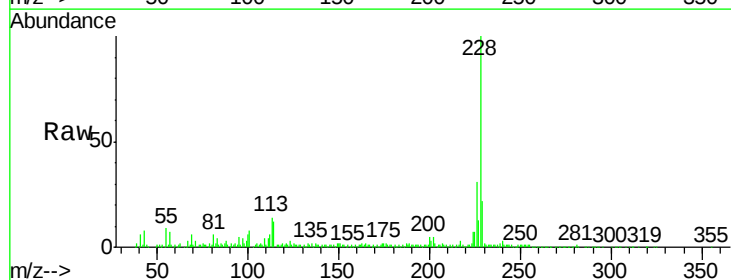
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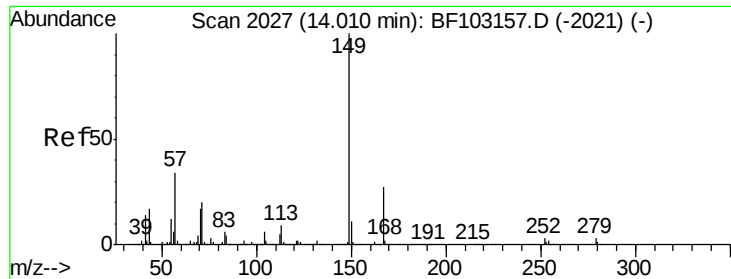
Sohil
3/9/2018 11:39:39 AM



#82
Chrysene
Concen: 11.449 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	21.9	16.2	24.4





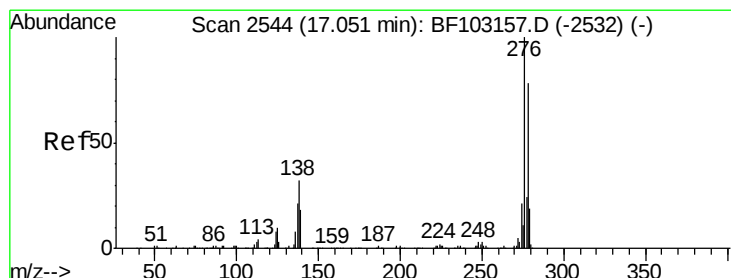
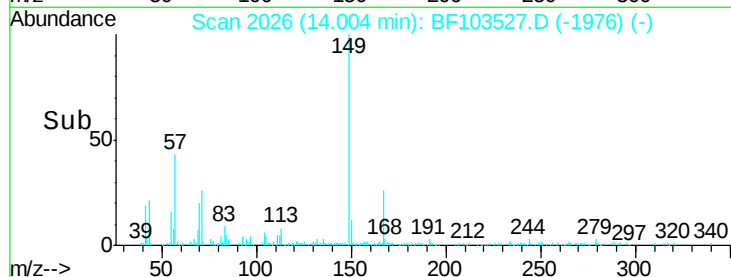
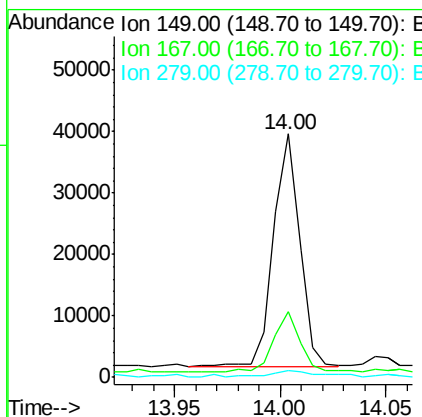
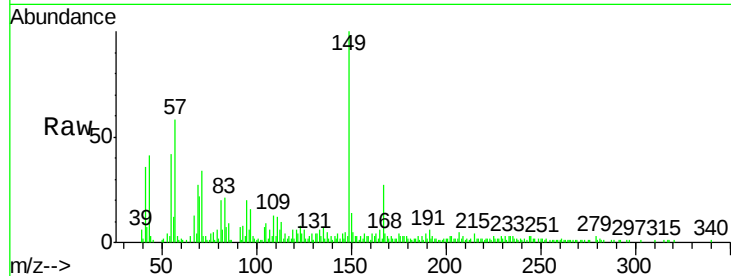
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.630 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Instrument :
BNA_F
ClientSampled :
TP-11

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.3	31.9
279	2.8	3.0	4.4#

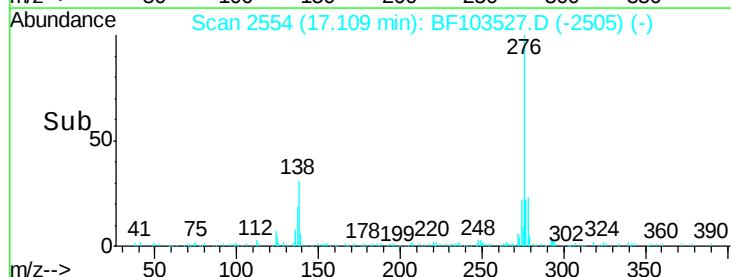
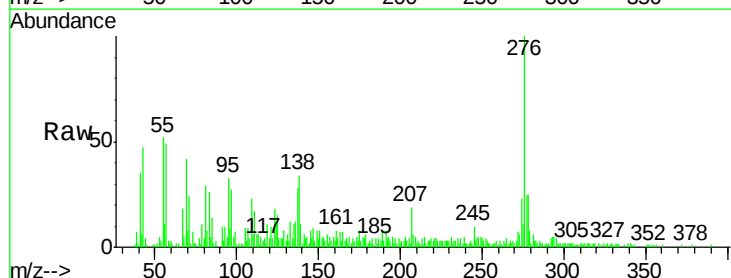
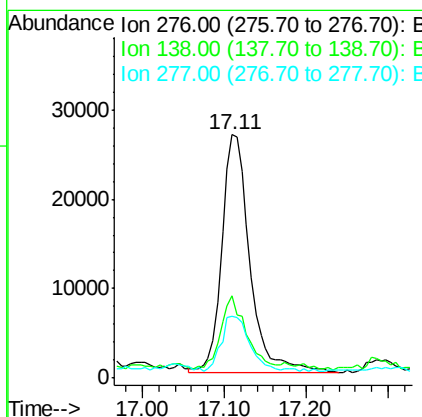
Manual Integrations
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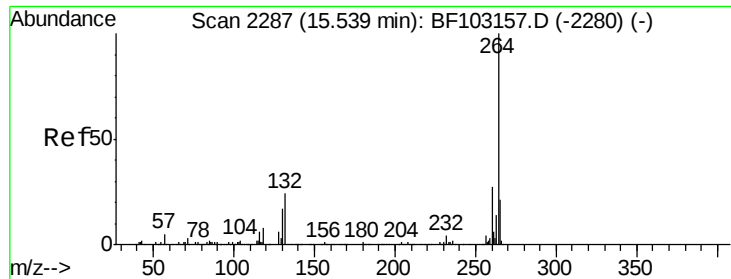
Sohil
3/9/2018 11:39:39 AM



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.659 ng
RT: 17.11 min Scan# 2554
Delta R.T. -0.01 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.1	25.0	37.6
277	23.0	20.1	30.1





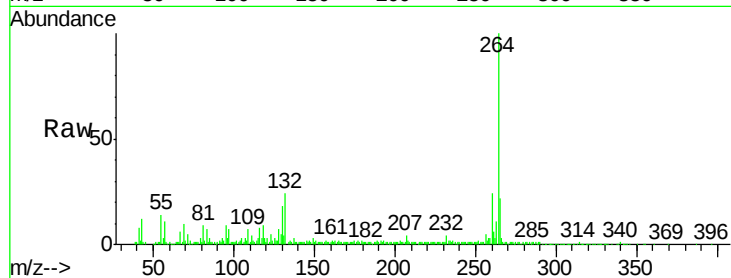
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Instrument :
BNA_F
ClientSampleId :
TP-11

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.7	17.5	26.3

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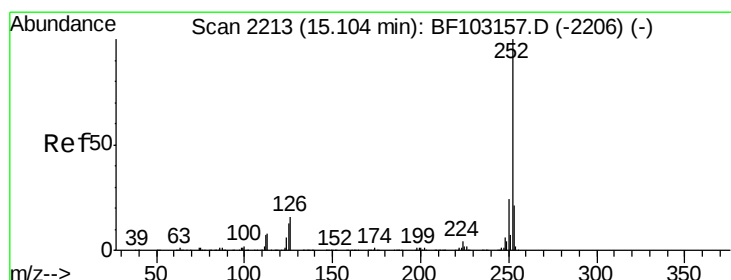
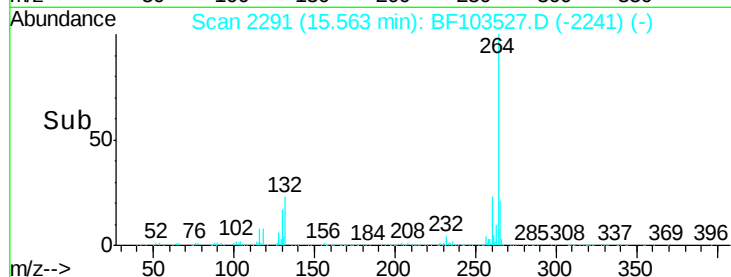
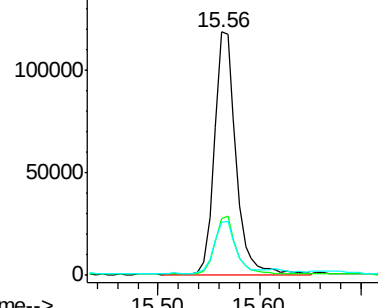


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 13.572 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

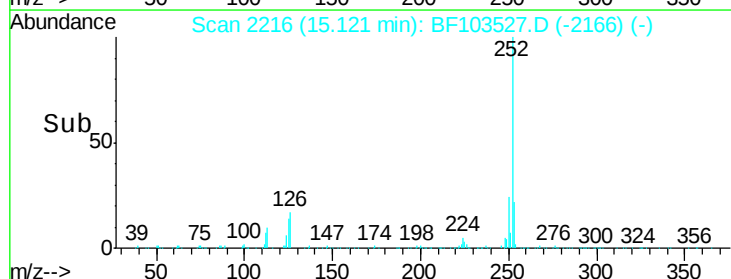
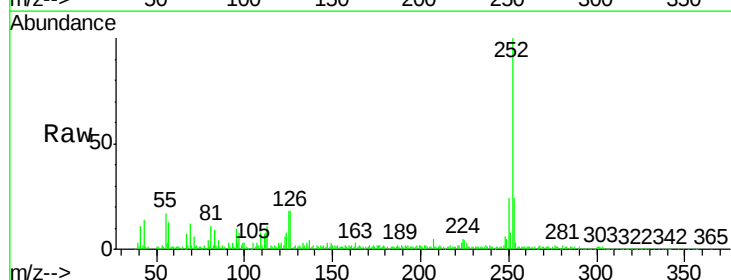
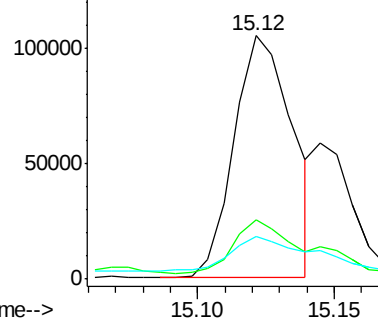
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	17.7	9.0	13.6

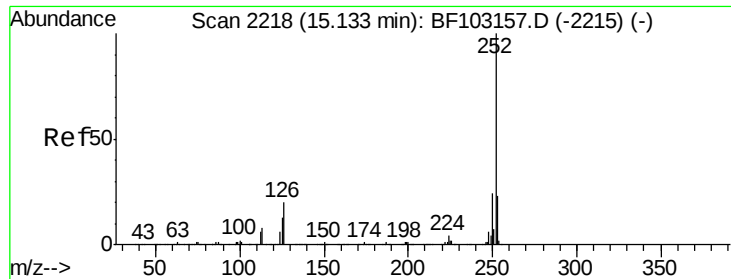
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





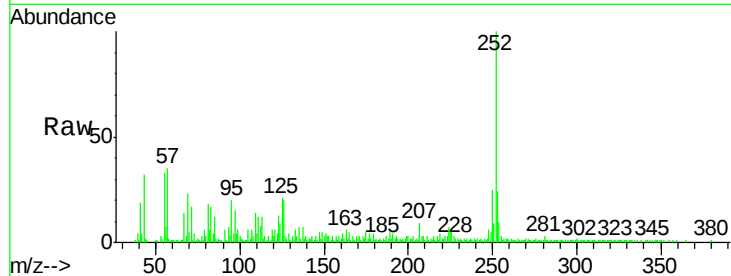
#88
Benzo(k)fluoranthene
Concen: 5.740 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Instrument :
BNA_F
ClientSampleId :
TP-11

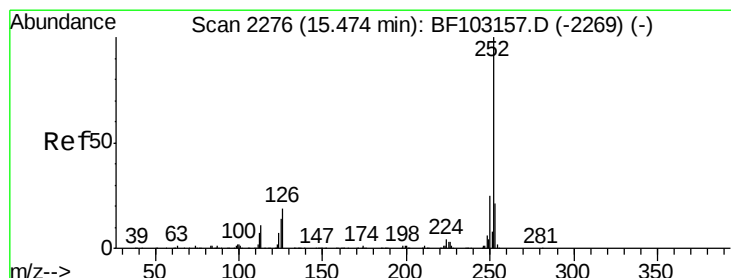
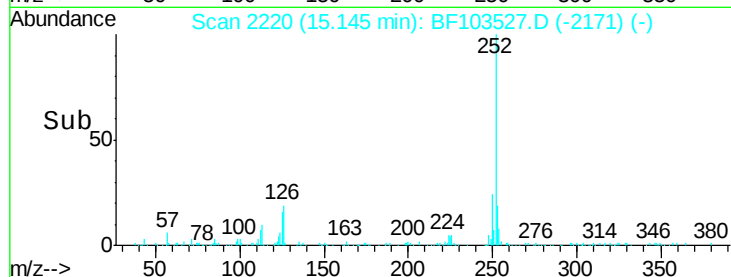
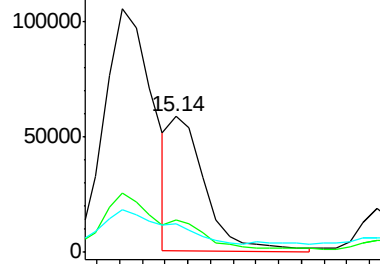
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	21.4	10.2	15.2

Manual Integrations
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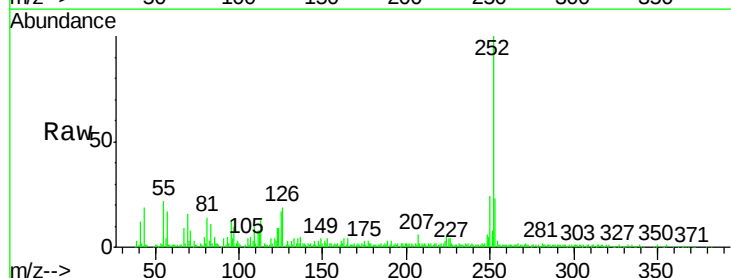


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

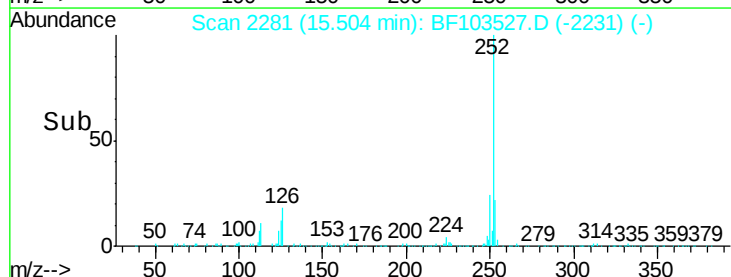
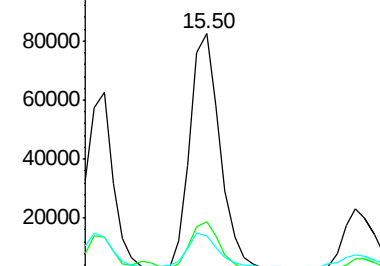


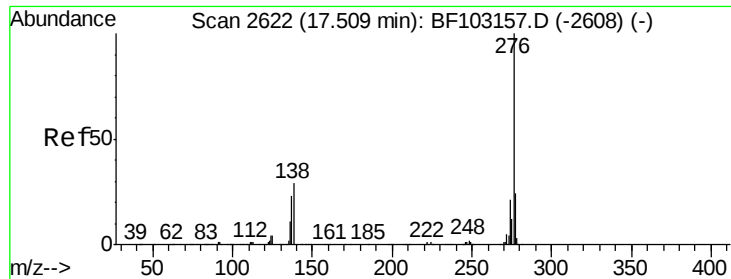
#89
Benzo(a)pyrene
Concen: 11.119 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF103527.D
Acq: 8 Mar 2018 20:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	16.8	9.8	14.6



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





#91
 Benzo(a,h,i)perylene
 Concen: 7.898 ng
 RT: 17.59 min Scan# 2635
 Delta R.T. 0.01 min
 Lab File: BF103527.D
 Acq: 8 Mar 2018 20:02

Instrument :
 BNA_F
 ClientSampleId :
 TP-11

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	28.1	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 3/9/2018 11:39:39 AM

