

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
 Data File : BF103298.D
 Acq On : 28 Feb 2018 17:37
 Operator : SJ/JU
 Sample : J1399-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-022718-B

Manual Integrations
 APPROVED

Sohil
 3/1/2018 11:43:04 AM

Quant Time: Mar 01 00:34:00 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	141581	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	557787	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	213185	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	285302	20.00	ng	0.00
75) Chrysene-d12	14.06	240	230096	20.00	ng	0.00
86) Perylene-d12	15.56	264	220287	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	744446	79.52	ng	0.00
7) Phenol-d6	6.50	99	908416	79.30	ng	0.00
23) Nitrobenzene-d5	7.43	82	602687	61.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	113797	63.06	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	812345	61.34	ng	0.00
78) Terphenyl-d14	12.99	244	506458	52.91	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.17	128	266940	9.775	ng	100
37) 2-Methylnaphthalene	8.87	142	111346	6.309	ng	98
49) Dimethylphthalate	9.62	163	74270	4.343	ng	100
51) Acenaphthene	9.95	154	79741	6.289	ng	100
54) Dibenzofuran	10.12	168	69836	4.012	ng	97
57) Fluorene	10.46	166	88558	5.973	ng	99
70) Phenanthrene	11.43	178	464622	29.592	ng	99
71) Anthracene	11.48	178	140543	8.729	ng	98
72) Carbazole	11.64	167	72753	4.538	ng	99
74) Fluoranthene	12.62	202	469457	29.754	ng	98
77) Pyrene	12.86	202	411449	22.935	ng	99
80) Benzo(a)anthracene	14.04	228	203200m	13.611	ng	
82) Chrysene	14.08	228	194293m	13.403	ng	
85) Indeno(1,2,3-cd)pyrene	17.08	276	71398	6.221	ng	96
87) Benzo(b)fluoranthene	15.12	252	215542m	14.882	ng	
88) Benzo(k)fluoranthene	15.14	252	79115m	5.801	ng	
89) Benzo(a)pyrene	15.49	252	154358	11.934	ng	# 92
91) Benzo(g,h,i)perylene	17.55	276	66387	6.797	ng	# 92

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

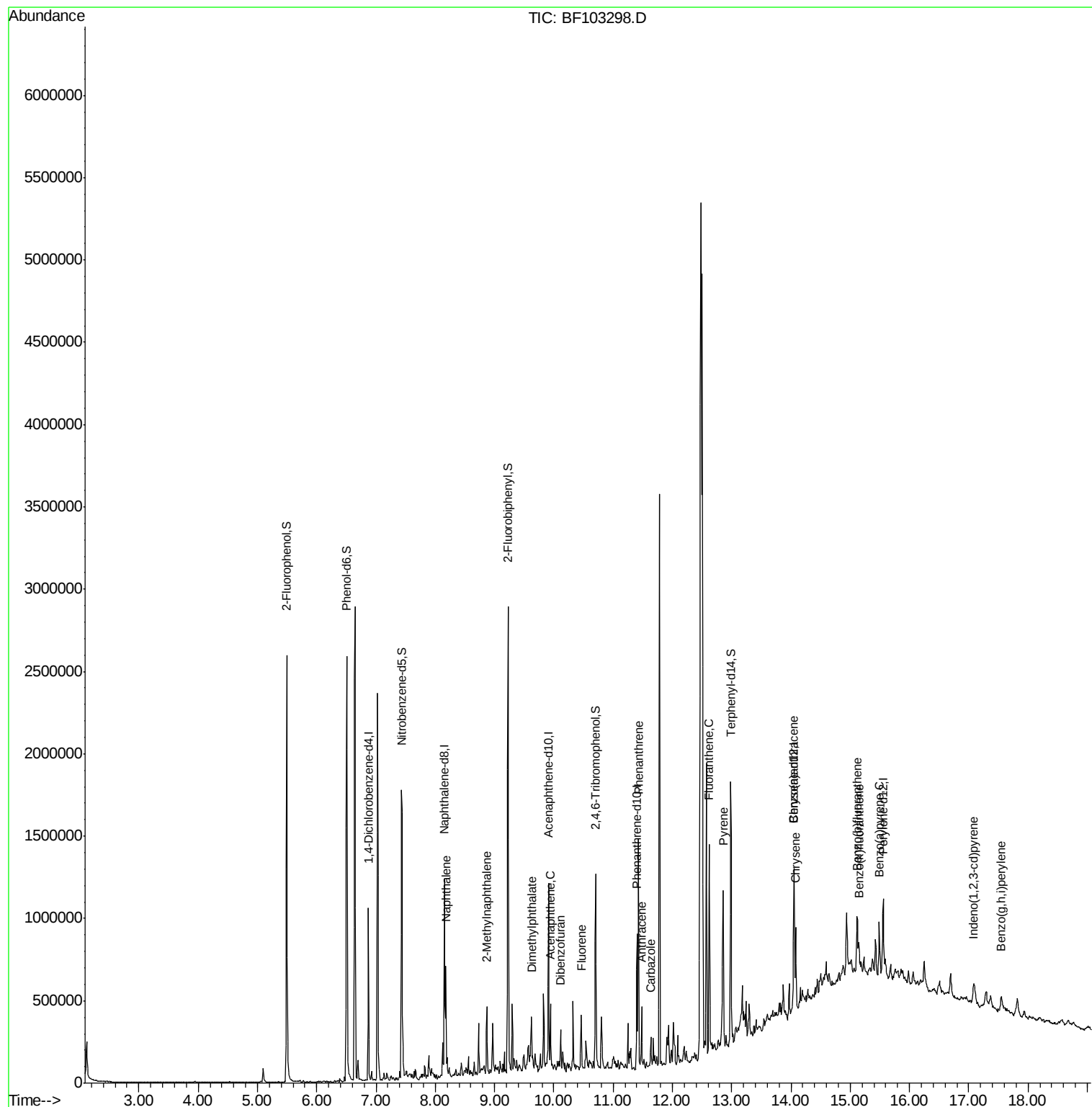
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103298.D
Acq On : 28 Feb 2018 17:37
Operator : SJ/JU
Sample : J1399-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

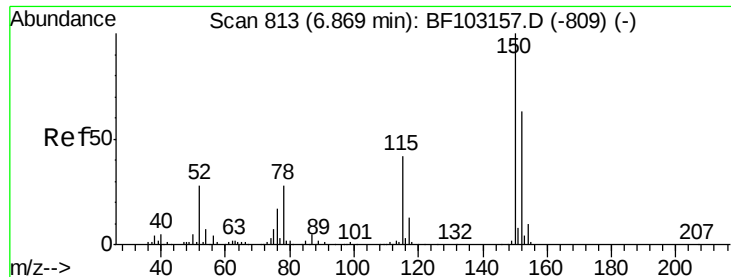
Instrument :
BNA_F
ClientSampleId :
OR-03-022718-B

Manual Integrations
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Quant Time: Mar 01 00:34:00 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

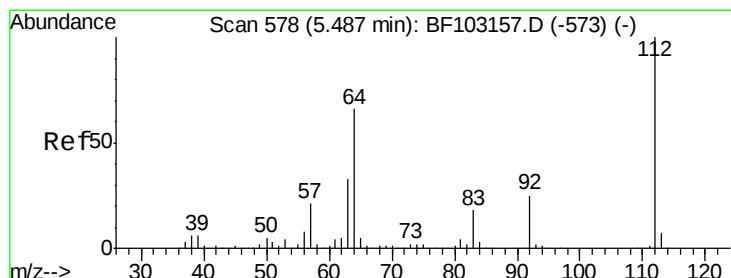
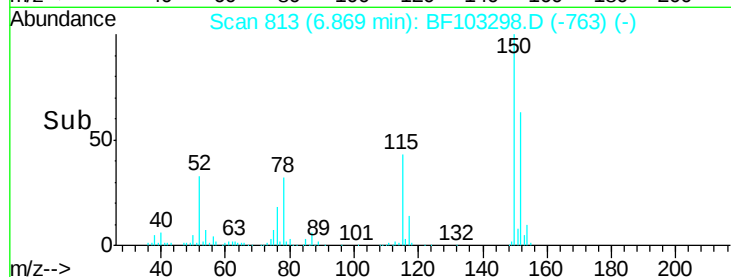
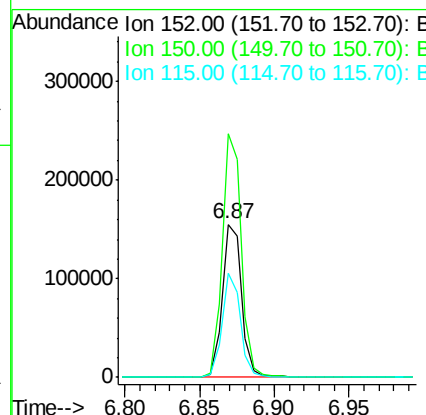
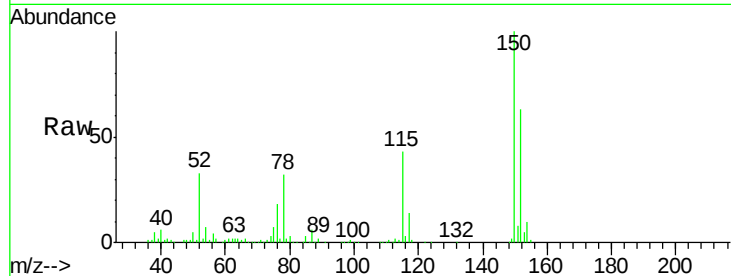
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	68.3	50.1	75.1

Manual Integrations
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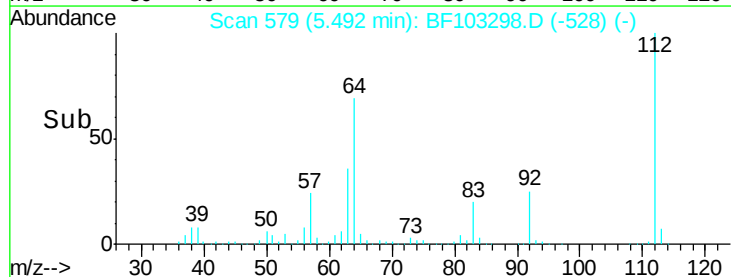
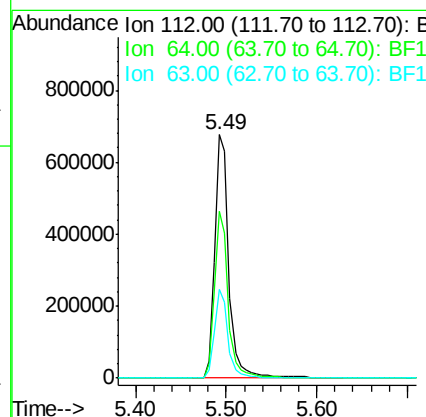
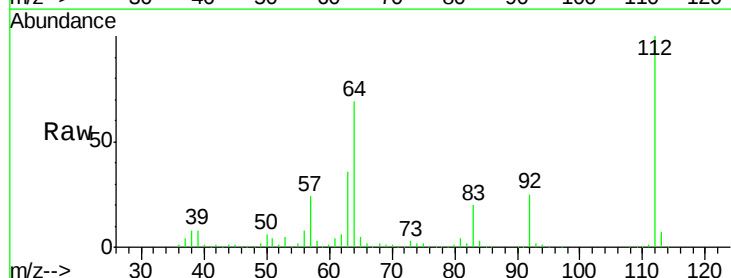
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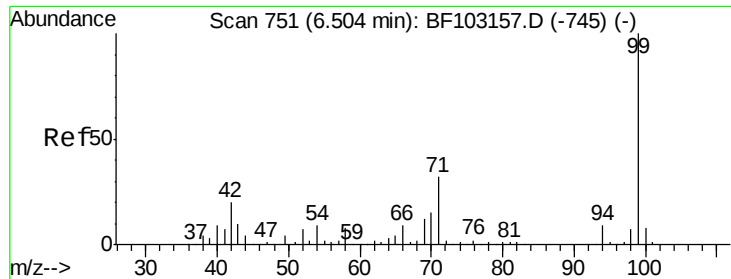


#5

2-Fluorophenol
Concen: 79.525 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	47.9	71.9
63	36.4	23.7	35.5





#7

Phenol-d6

Concen: 79.304 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103298.D

Acq: 28 Feb 2018 17:37

Instrument :

BNA_F

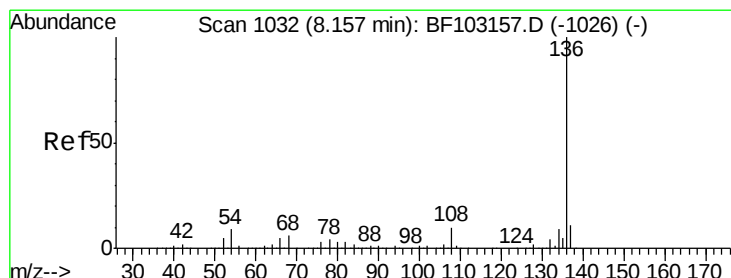
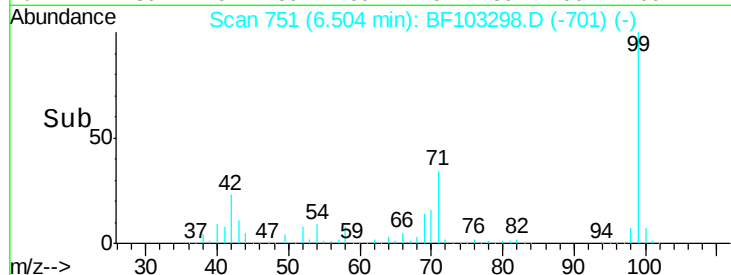
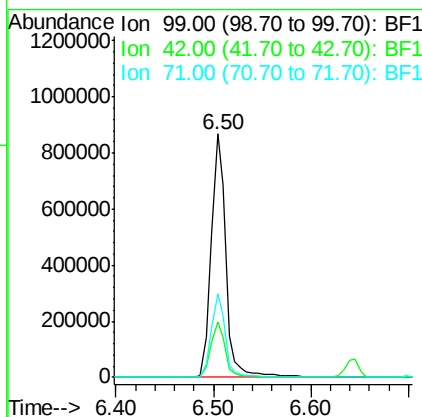
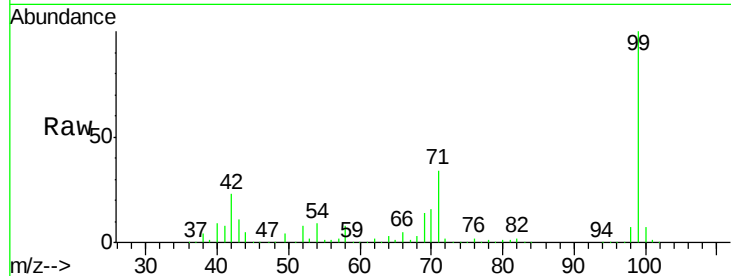
ClientSampleId :

OR-03-022718-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		908416		
42	22.8	14.5	21.7#		
71	34.1	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

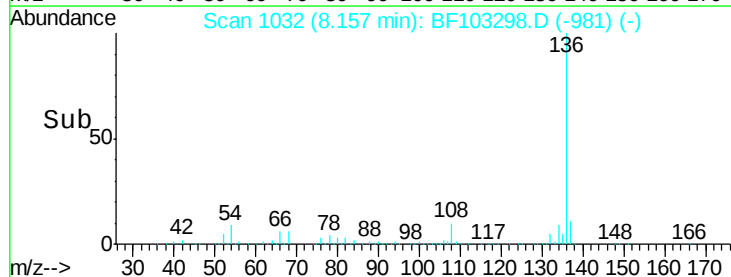
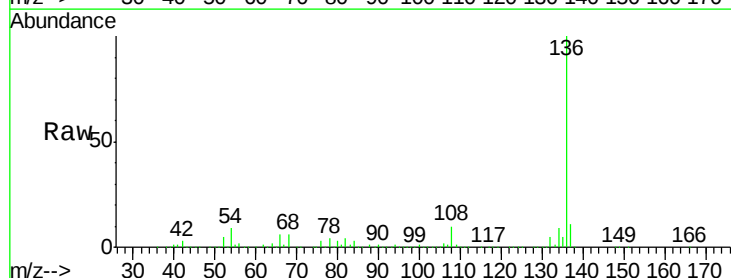
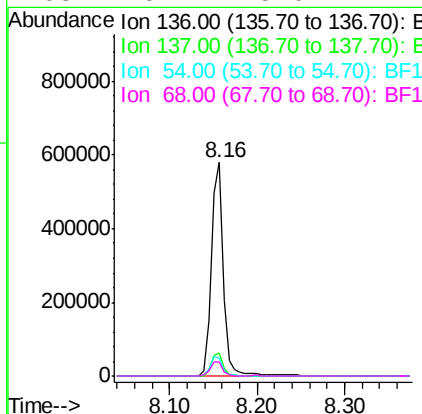
RT: 8.16 min Scan# 1032

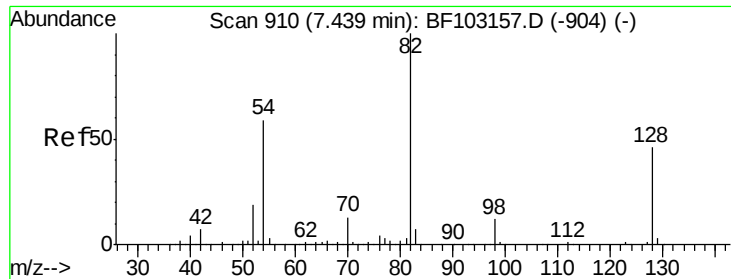
Delta R.T. -0.00 min

Lab File: BF103298.D

Acq: 28 Feb 2018 17:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		557787		
137	10.7	8.9	13.3		
54	8.7	6.6	9.8		
68	6.4	5.0	7.4		





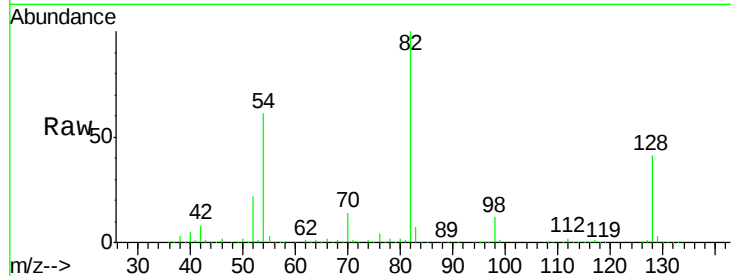
#23
Nitrobenzene-d5
Concen: 61.705 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-B

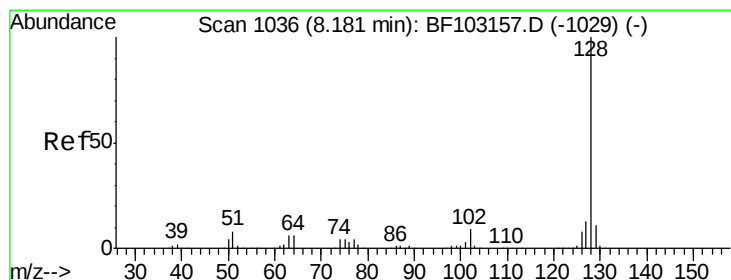
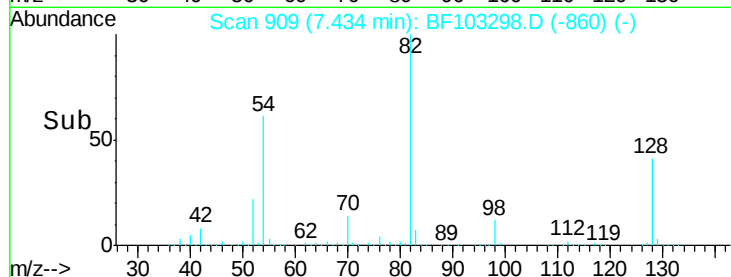
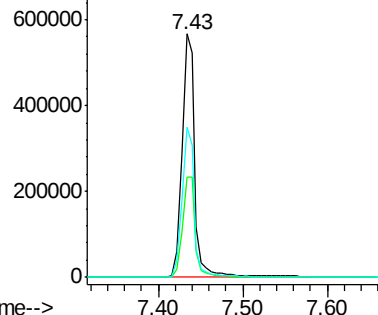
Tot Ion	Ratio	Resp	Lower	Upper
82	100	602687		
128	40.9	36.1	54.1	
54	61.4	41.4	62.2	

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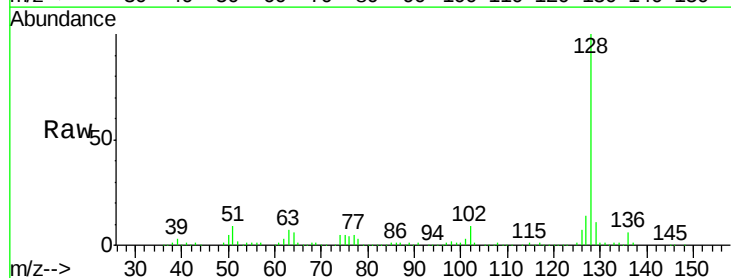


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

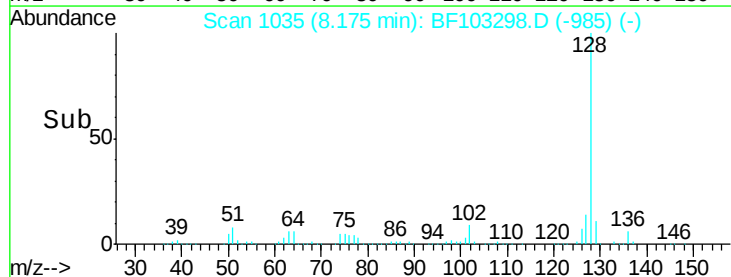
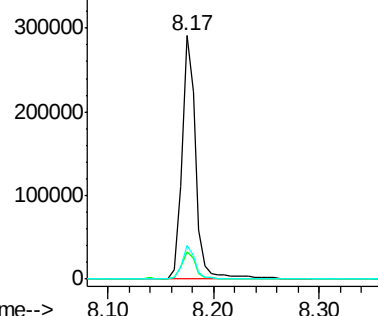


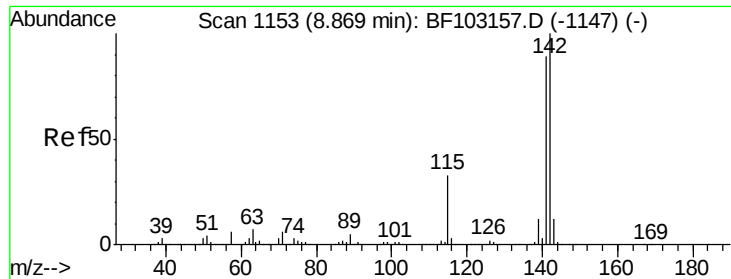
#31
Naphthalene
Concen: 9.775 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	266940		
129	11.1	8.8	13.2	
127	13.6	10.9	16.3	



Abundance Ion 128.00 (127.70 to 128.70): BF1
Ion 129.00 (128.70 to 129.70): BF1
Ion 127.00 (126.70 to 127.70): BF1





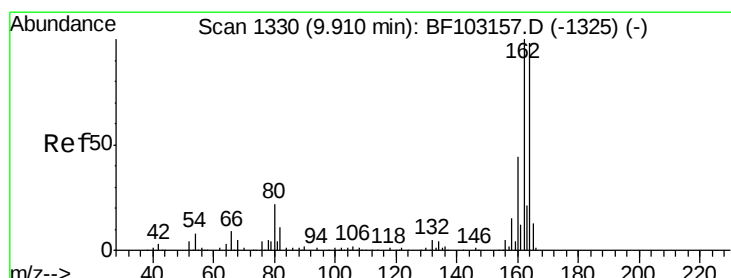
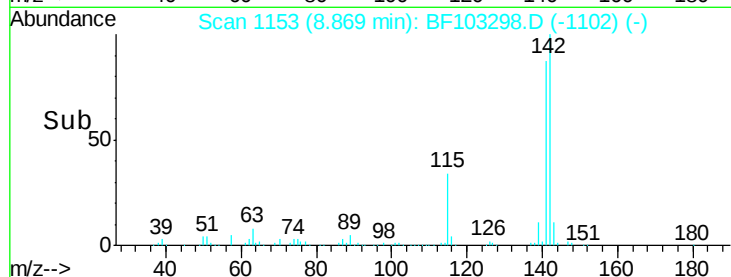
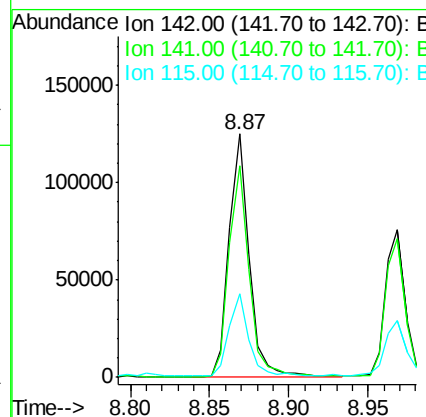
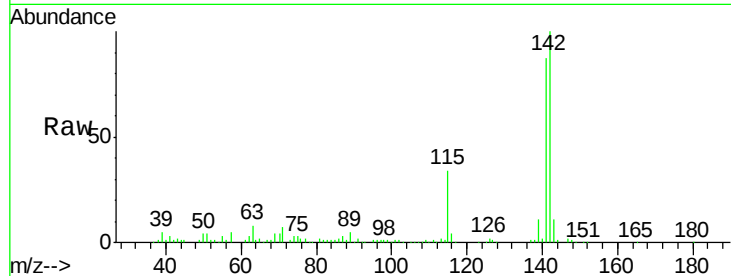
#37
2-Methylnaphthalene
Concen: 6.309 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-B

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.8	106.2
115	34.2	26.1	39.1

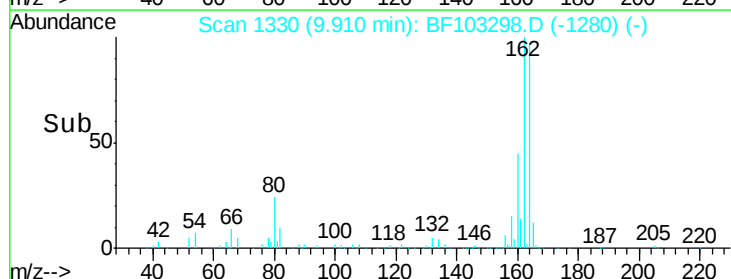
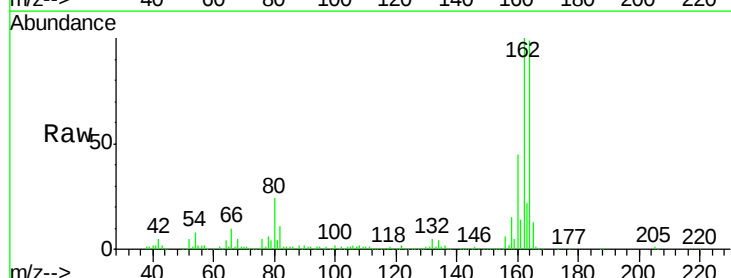
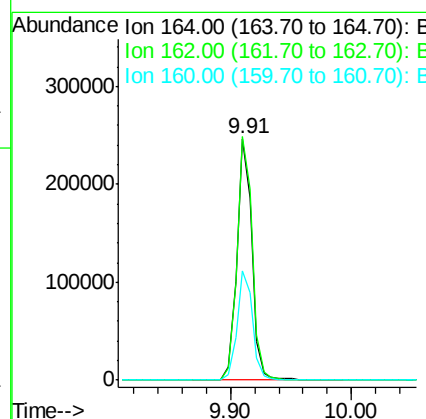
Manual Integrations
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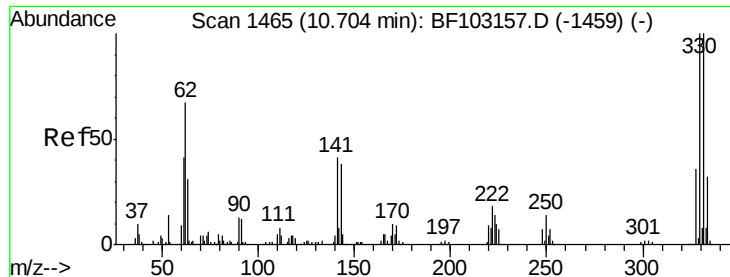
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	86.1	129.1
160	44.9	38.3	57.5





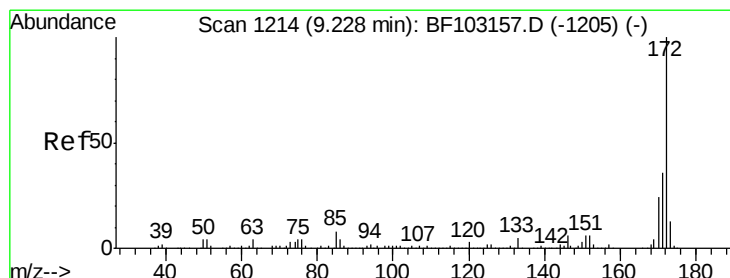
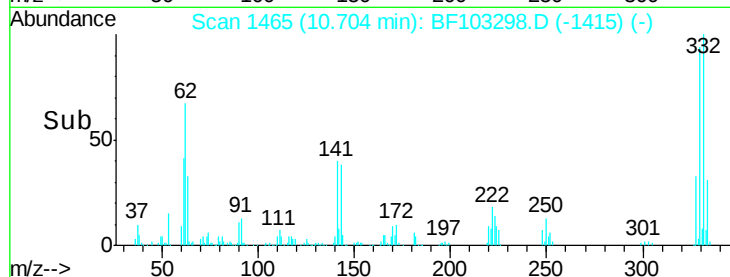
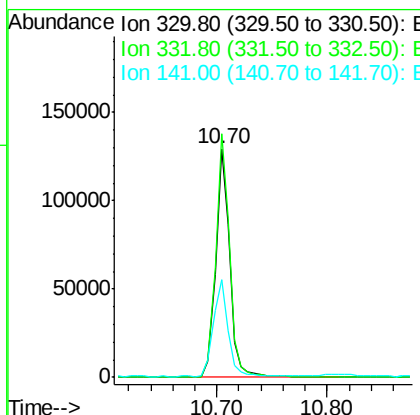
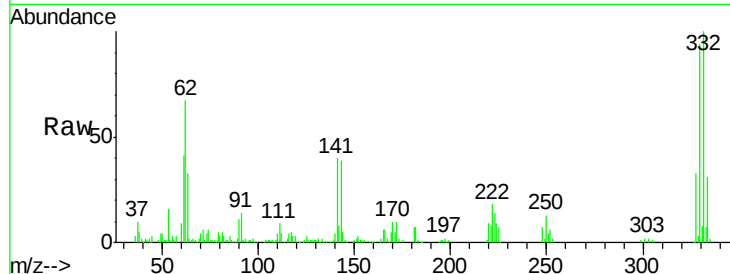
#41
 2,4,6-Tribromophenol
 Concen: 63.063 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103298.D
 Acq: 28 Feb 2018 17:37

Instrument :
 BNA_F
 ClientSampled :
 OR-03-022718-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	105.1	77.0	115.6	
141	43.2	29.9	44.9	

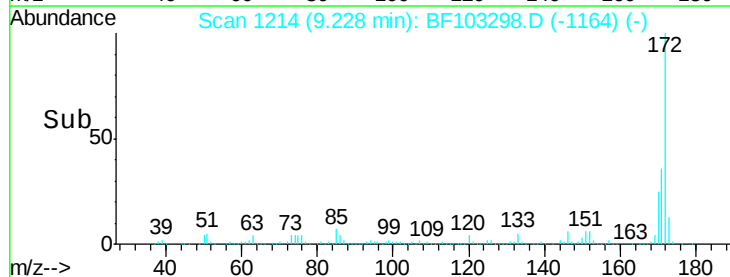
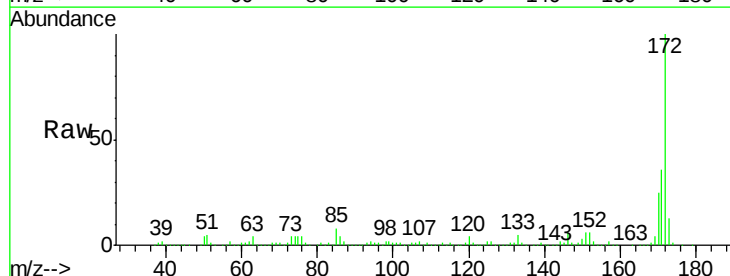
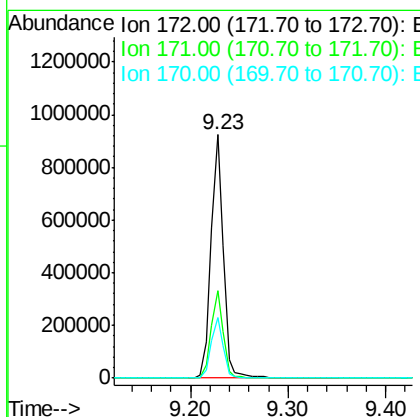
Manual Integrations
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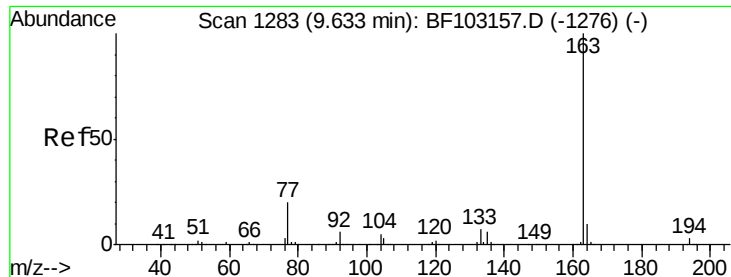
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#44
 2-Fluorobiphenyl
 Concen: 61.337 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103298.D
 Acq: 28 Feb 2018 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2	29.7	44.5	
170	24.8	19.6	29.4	





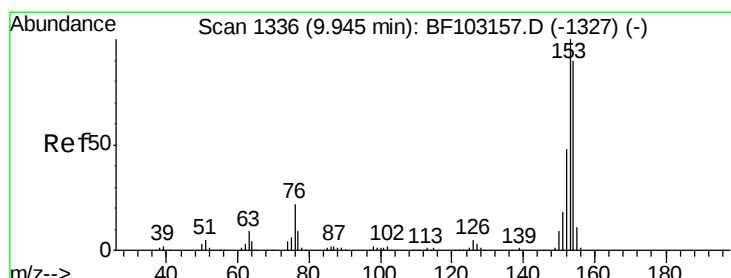
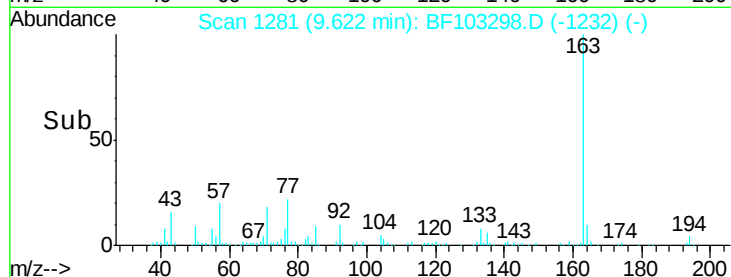
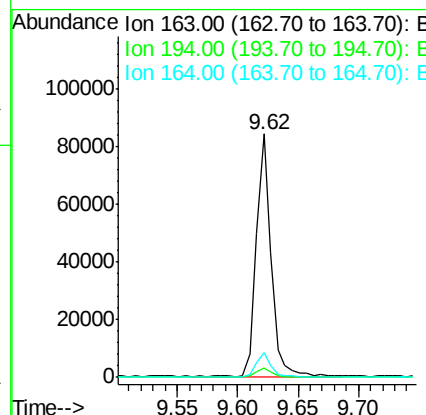
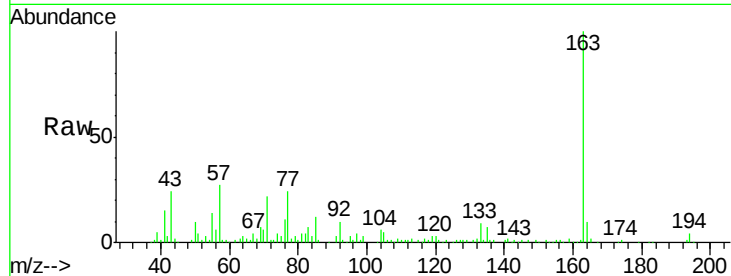
#49
Dimethylphthalate
Concen: 4.343 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-B

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	10.2	8.2	12.2

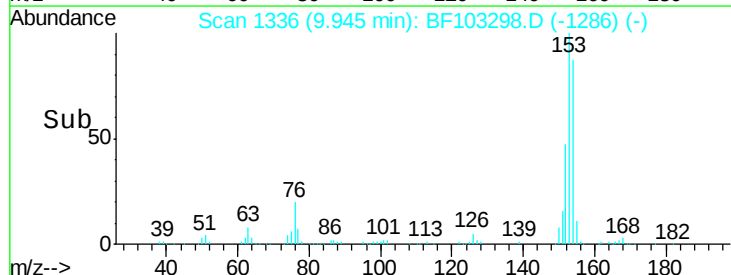
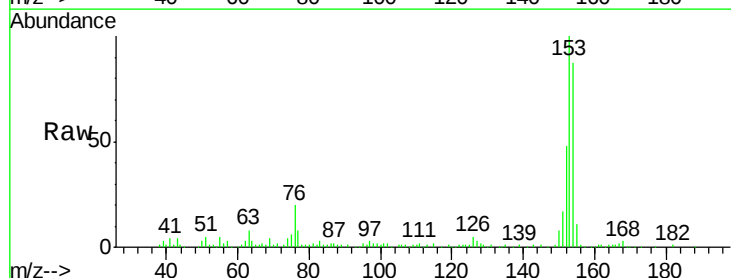
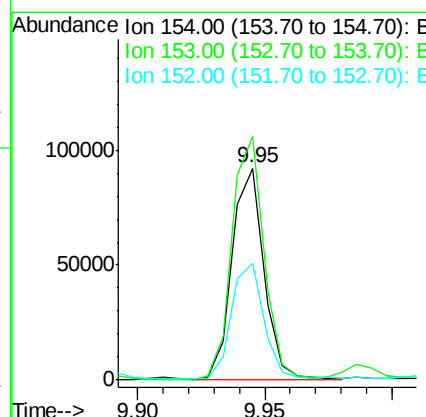
Manual Integrations
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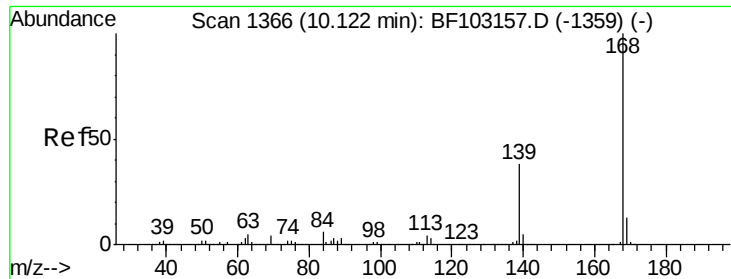
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#51
Acenaphthene
Concen: 6.289 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.7	91.2	136.8
152	54.9	43.8	65.8





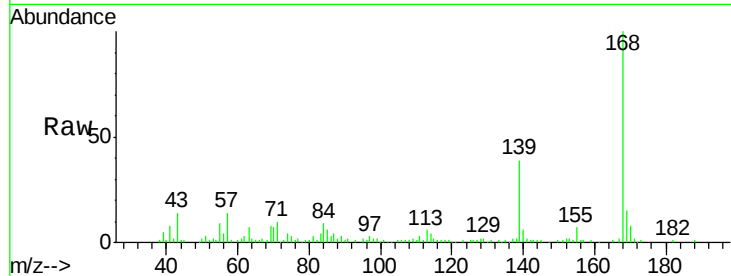
#54
Dibenzenofuran
Concen: 4.012 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-B

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.3	30.1	45.1
169	14.8	10.9	16.3

Manual Integrations
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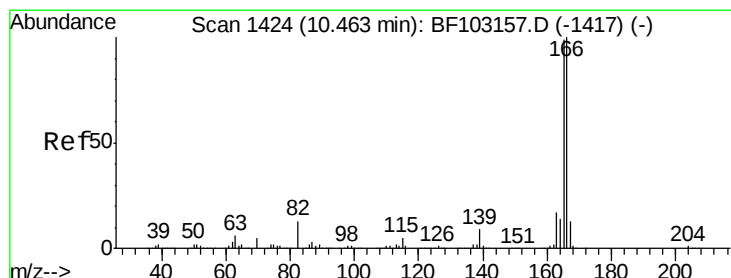
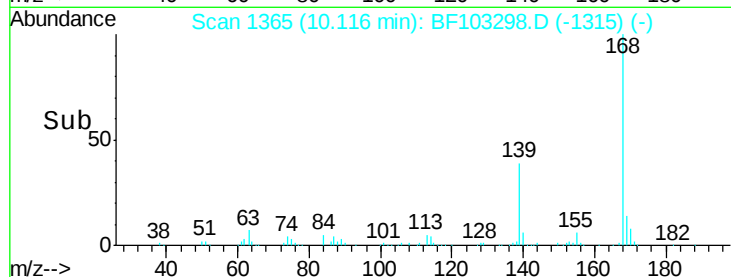
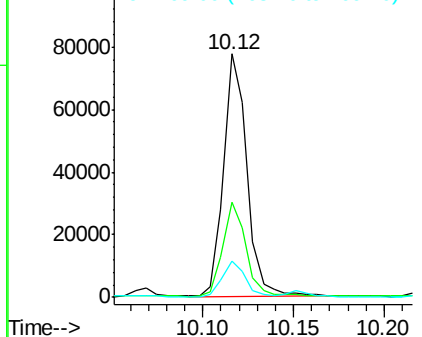


Abundance

Ion 168.00 (167.70 to 168.70): E

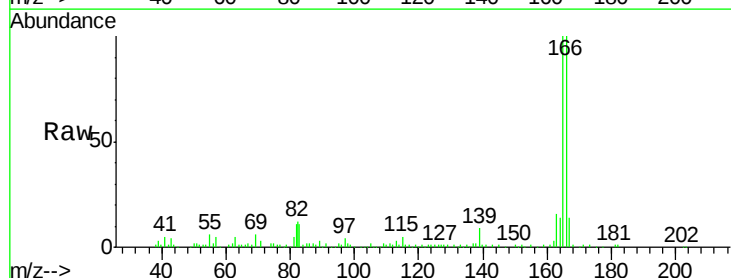
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57
Fluorene
Concen: 5.973 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	79.8	119.8
167	14.4	10.6	16.0

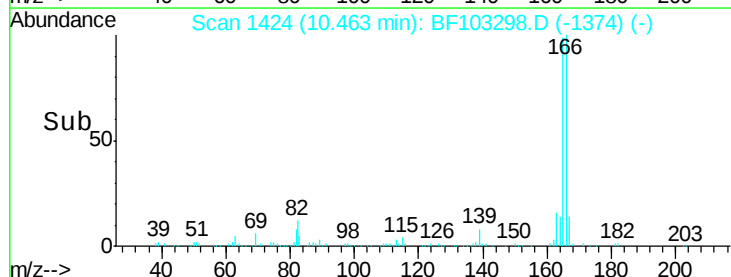
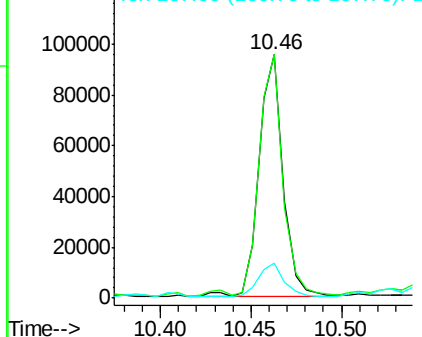


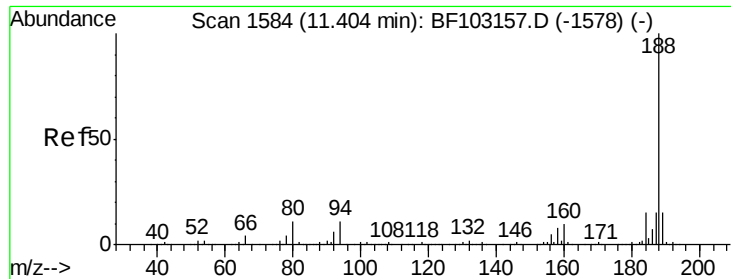
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





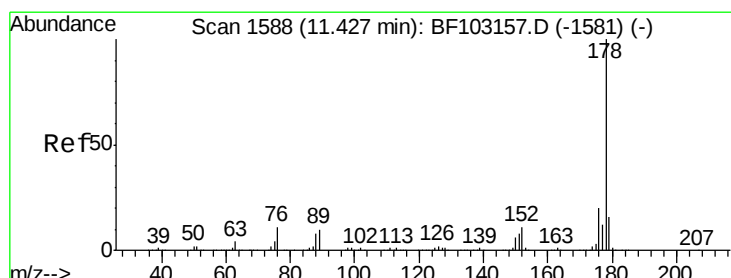
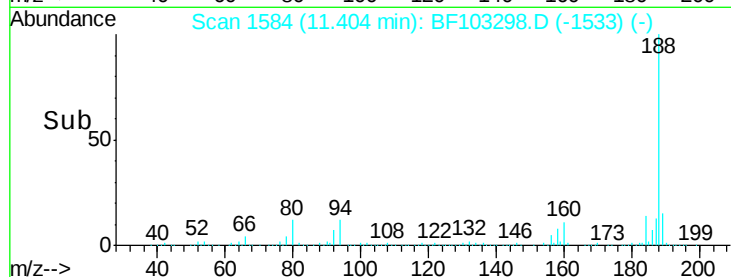
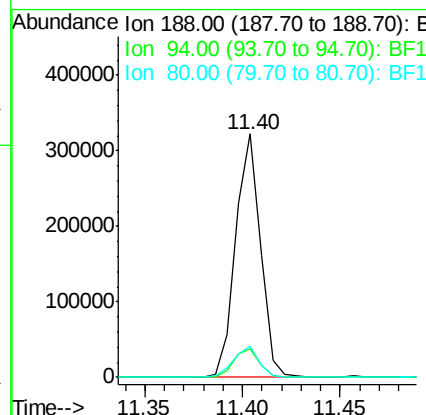
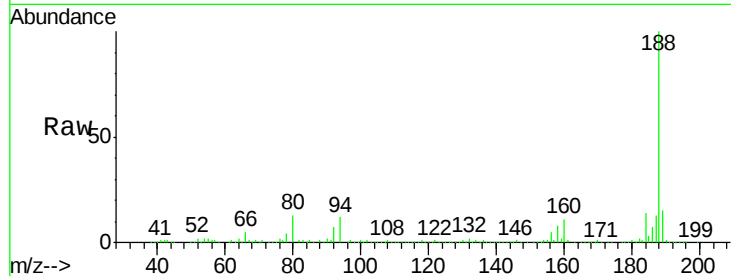
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	285302		
94	11.7		8.5	12.7
80	12.5		9.2	13.8

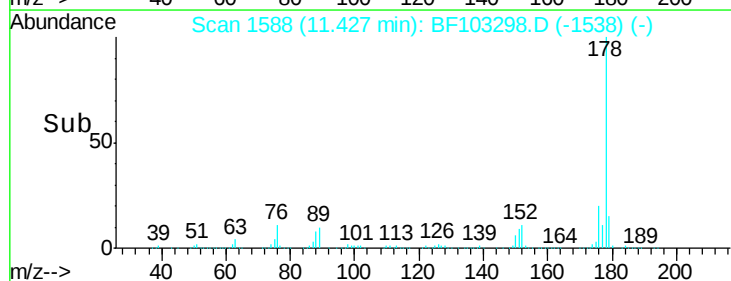
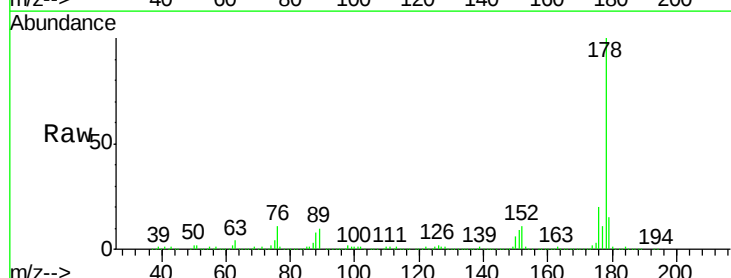
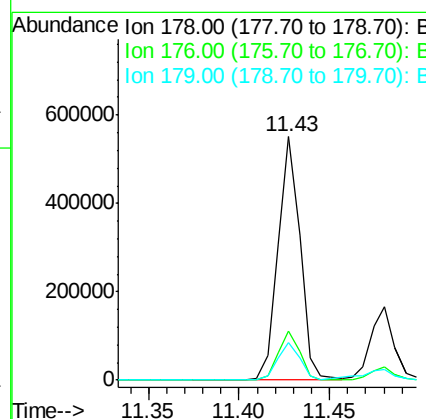
Manual Integrations
APPROVED

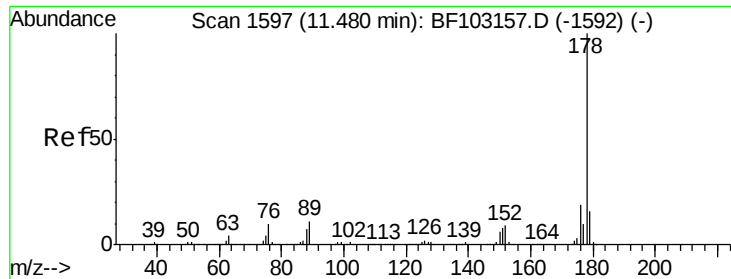
Sohil
3/1/2018 11:43:04 AM



#70
Phenanthrene
Concen: 29.592 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	464622		
176	20.1		15.8	23.8
179	15.5		13.0	19.6





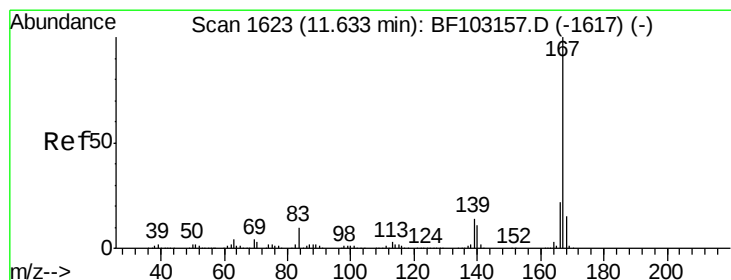
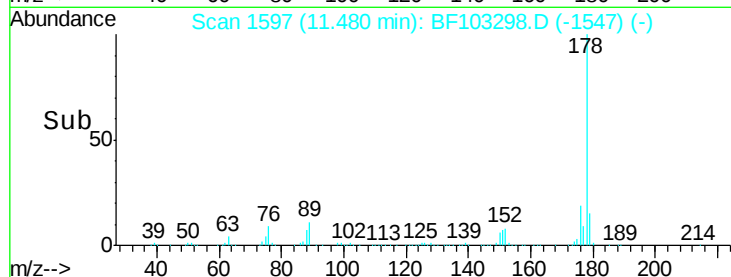
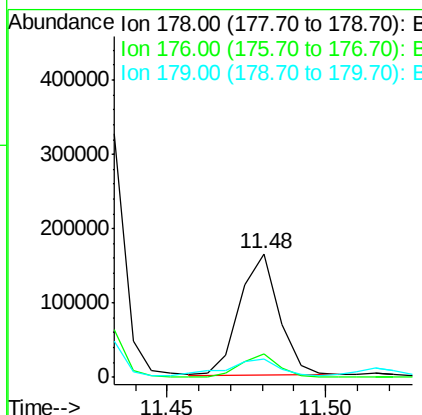
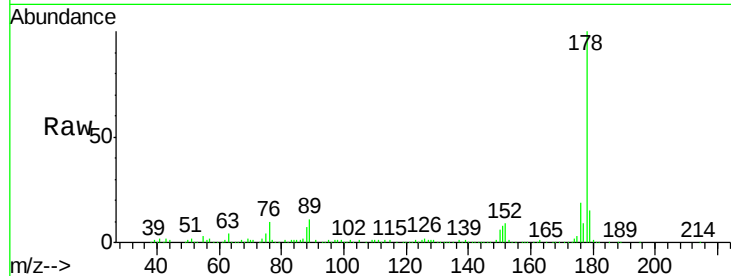
#71
 Anthracene
 Concen: 8.729 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF103298.D
 Acq: 28 Feb 2018 17:37

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-022718-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	14.7	12.6	19.0

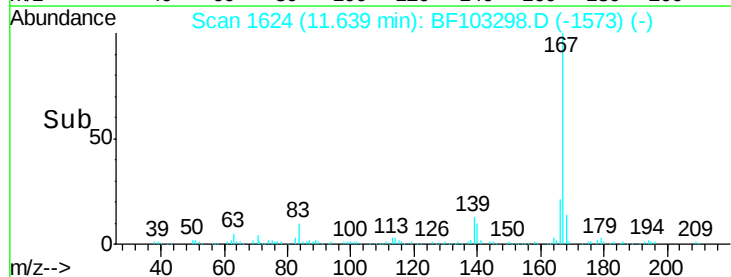
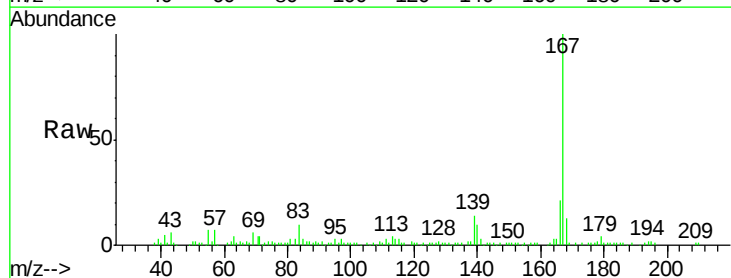
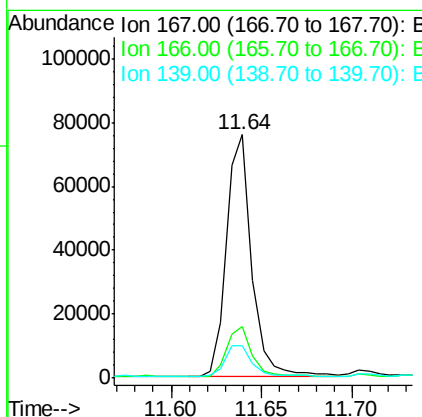
Manual Integrations
 APPROVED

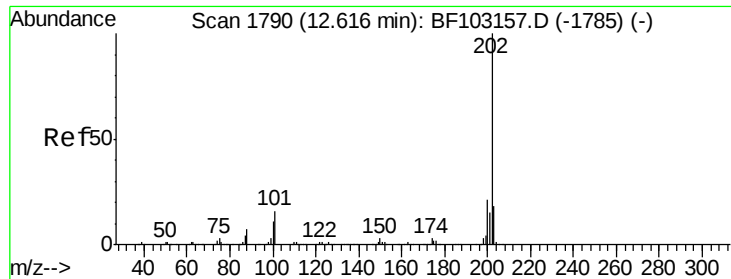
Sohil
 3/1/2018 11:43:04 AM



#72
 Carbazole
 Concen: 4.538 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BF103298.D
 Acq: 28 Feb 2018 17:37

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.6	26.4
139	13.5	10.9	16.3





#74

Fluoranthene

Concen: 29.754 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF103298.D

Acq: 28 Feb 2018 17:37

Instrument :

BNA_F

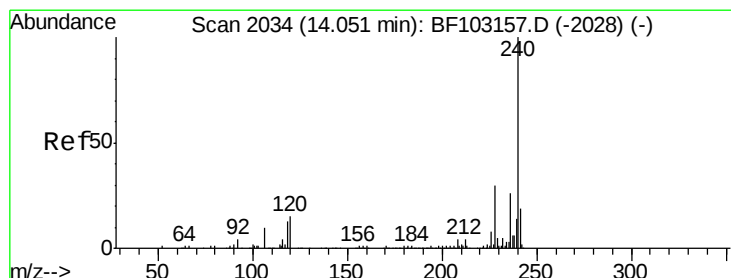
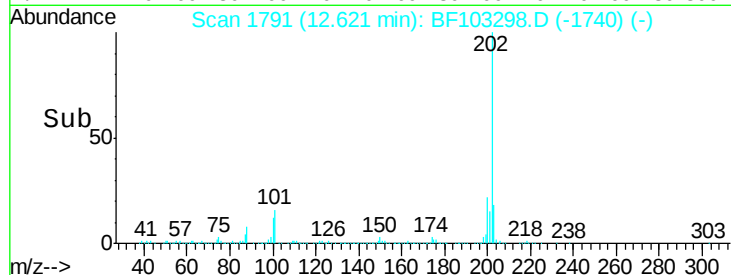
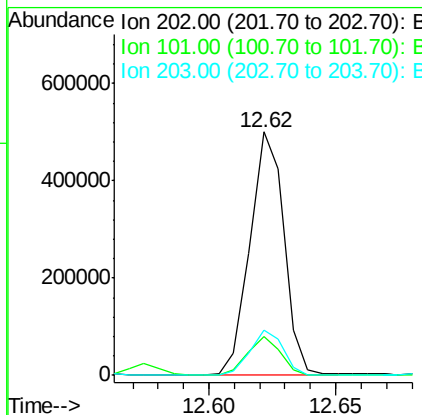
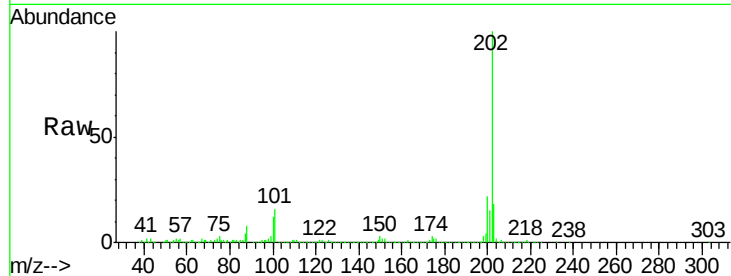
ClientSampleId :

OR-03-022718-B

Tot Ion:	202	Resp:	469457
Ion Ratio	Lower	Upper	
202	100		
101	16.0	0.0	34.1
203	18.4	0.0	38.1

Manual Integrations
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3/1/2018 11:43:04 AM



#75

Chrysene-d12

Concen: 20.000 ng

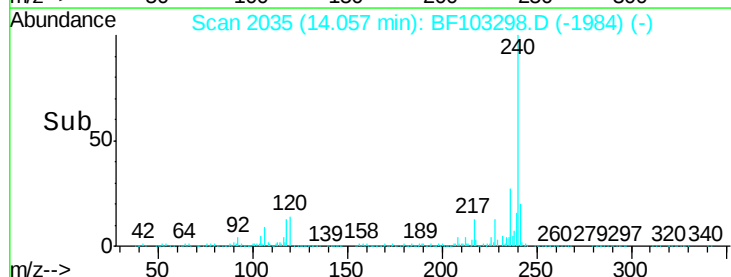
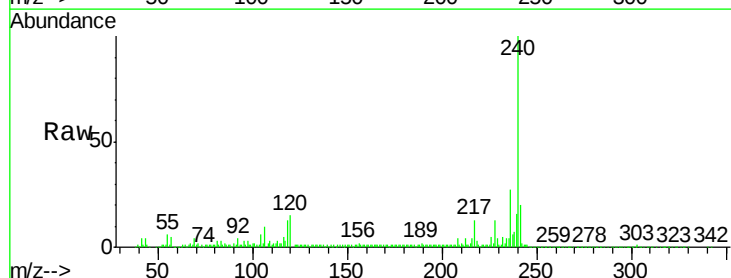
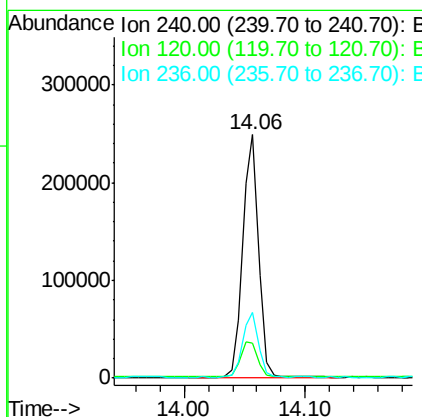
RT: 14.06 min Scan# 2035

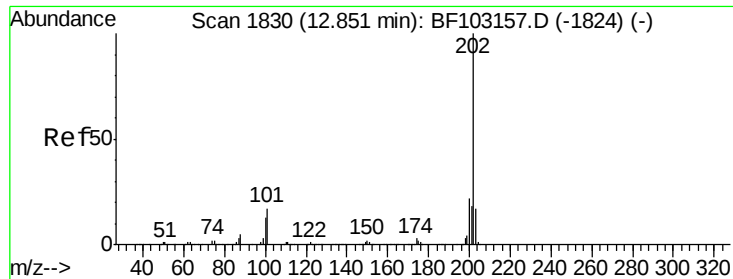
Delta R.T. -0.00 min

Lab File: BF103298.D

Acq: 28 Feb 2018 17:37

Tgt Ion:	240	Resp:	230096
Ion Ratio	Lower	Upper	
240	100		
120	14.6	9.5	14.3#
236	27.1	20.7	31.1





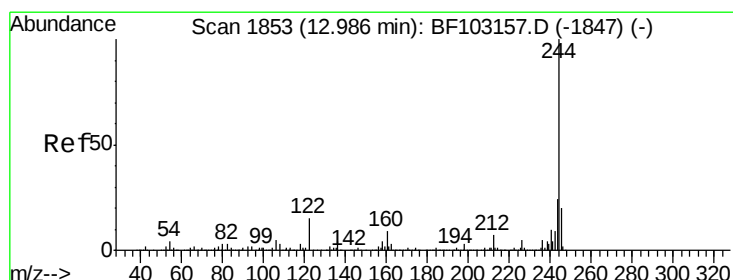
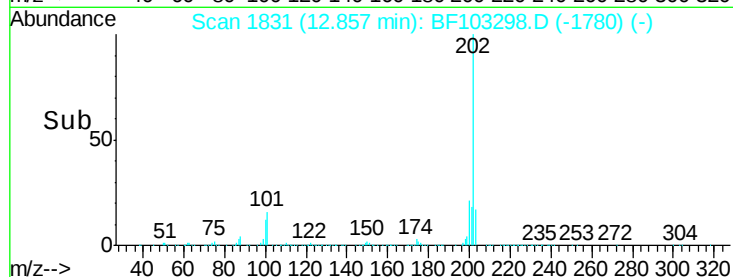
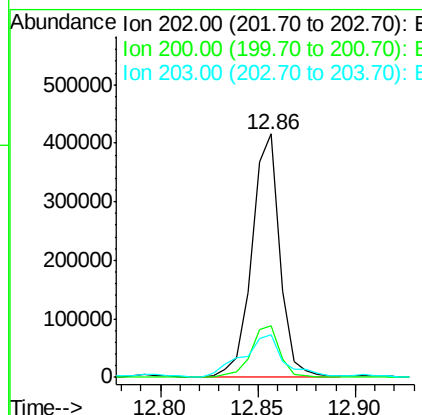
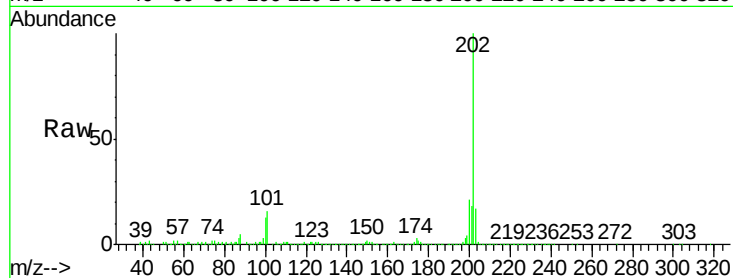
#77
Pvrene
Concen: 22.935 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-B

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

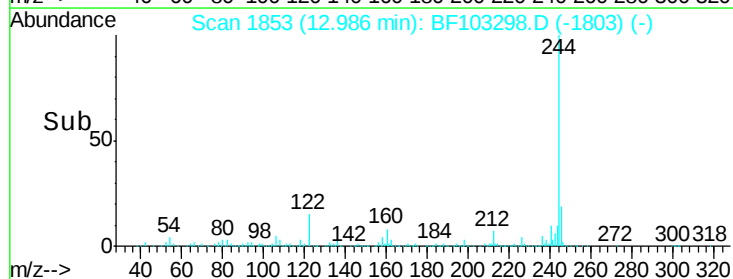
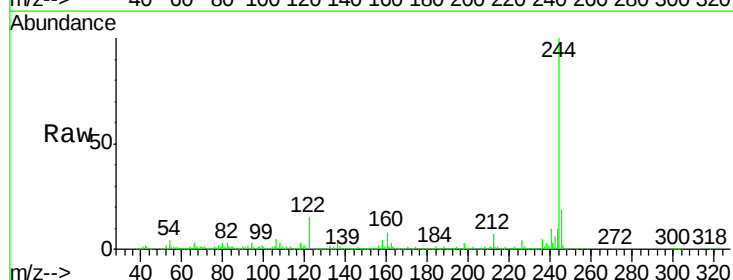
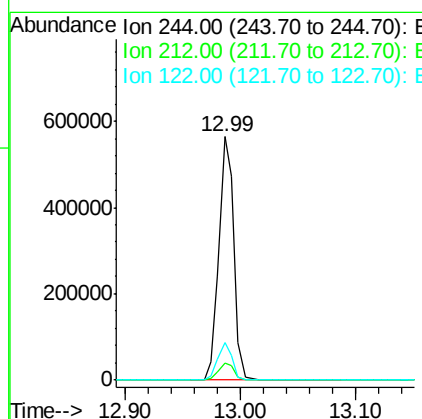
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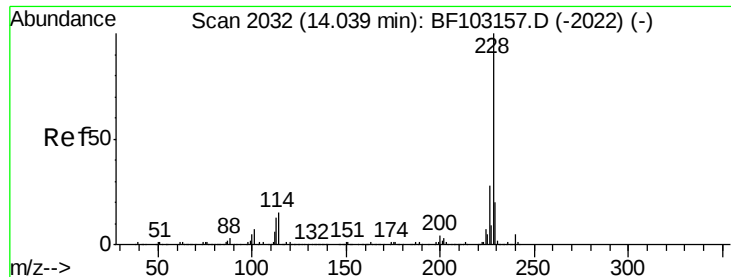
Sohil
3/1/2018 11:43:04 AM



#78
Terphenyl-d14
Concen: 52.911 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	15.3	11.0	16.4





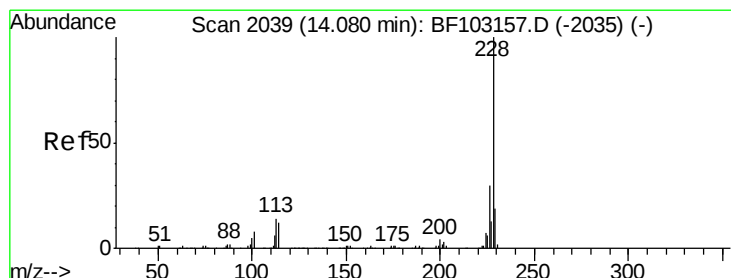
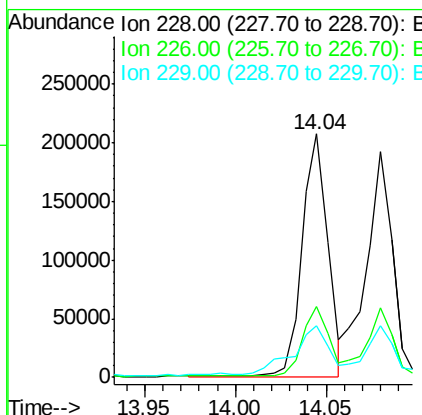
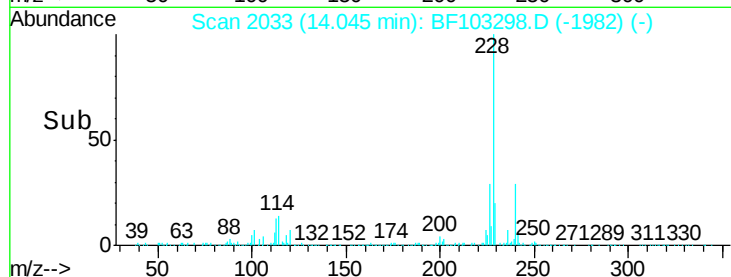
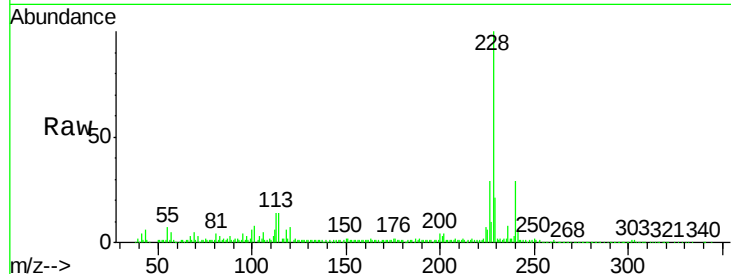
#80
Benzo(a)anthracene
Concen: 13.611 ng m
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	21.2	15.8	23.6

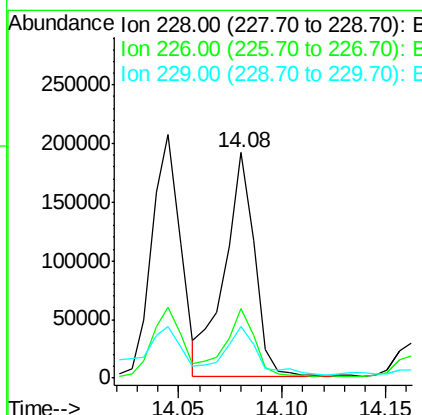
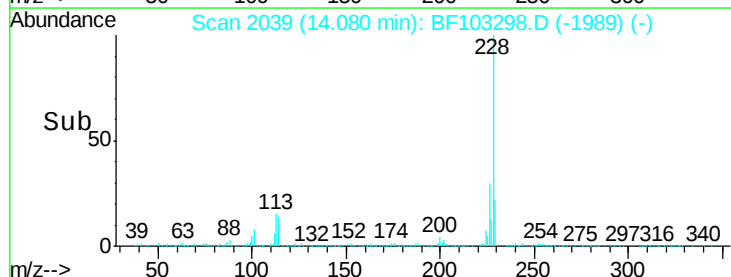
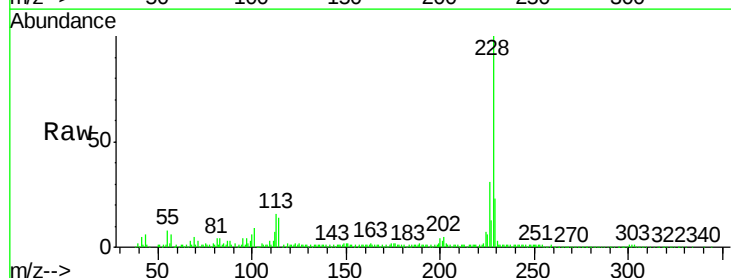
Manual Integrations
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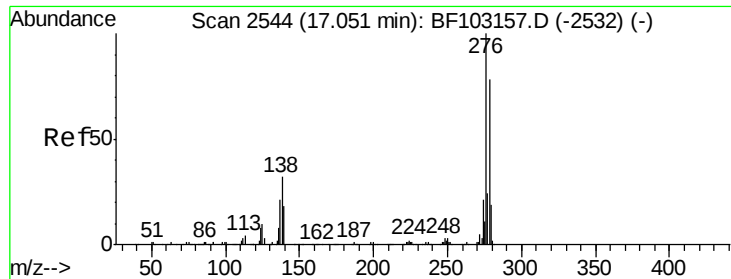
Sohil
3/1/2018 11:43:04 AM



#82
Chrysene
Concen: 13.403 ng m
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	23.1	16.2	24.4





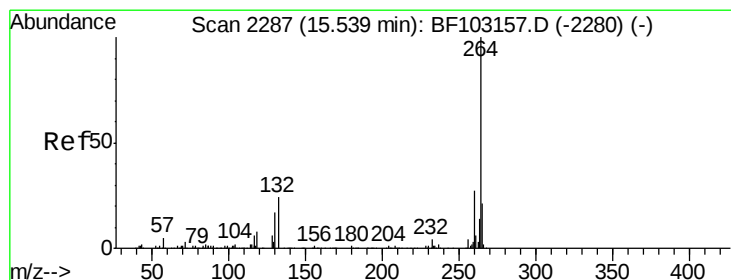
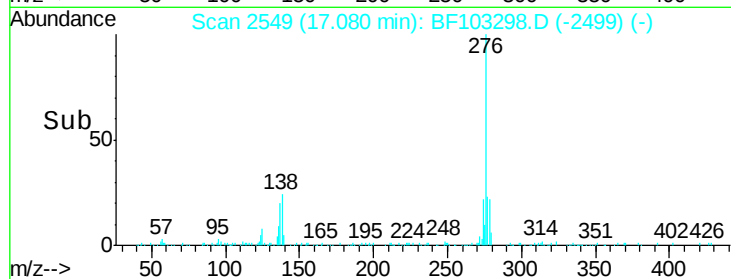
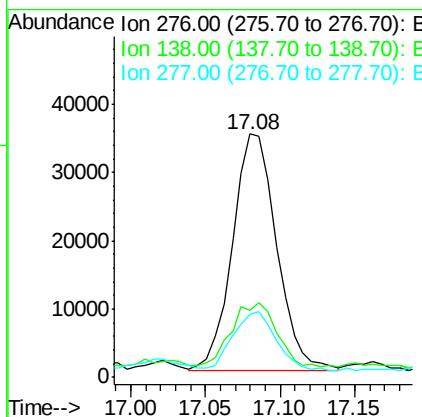
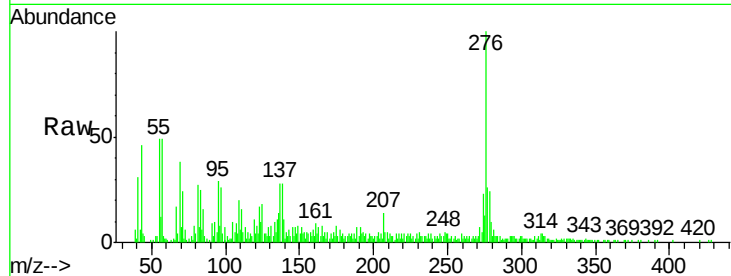
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.221 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.8	25.0	37.6
277	24.6	20.1	30.1

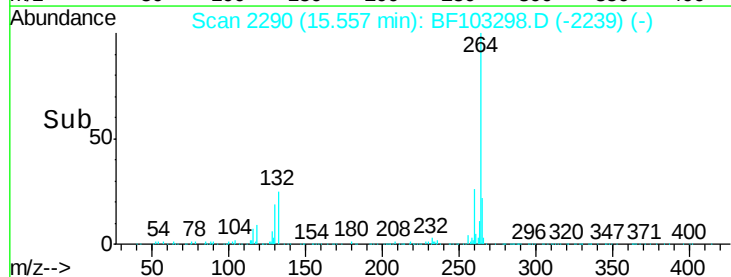
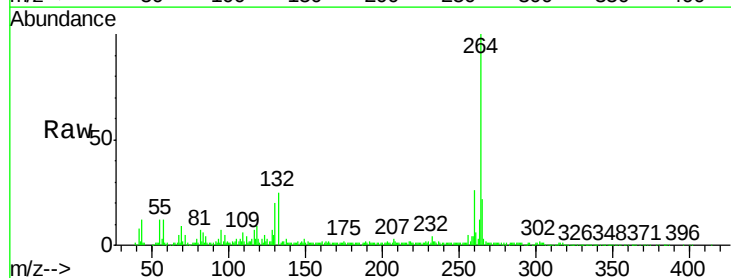
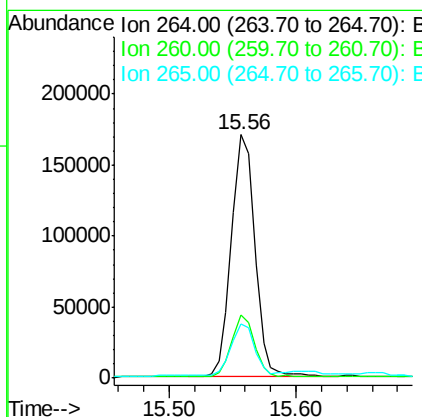
Manual Integrations
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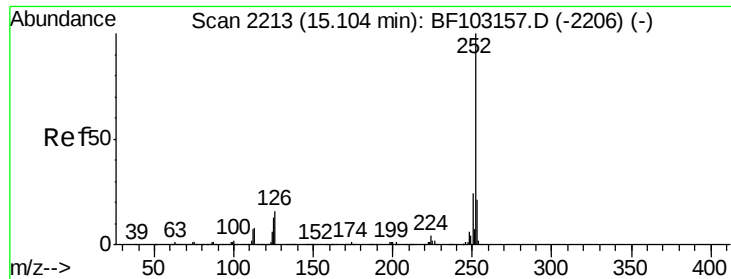
Sohil
3/1/2018 11:43:04 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.2	19.2	28.8
265	22.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 14.882 ng m

RT: 15.12 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BF103298.D

Acq: 28 Feb 2018 17:37

Instrument :

BNA_F

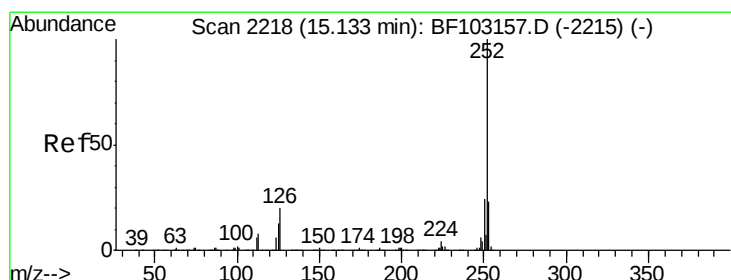
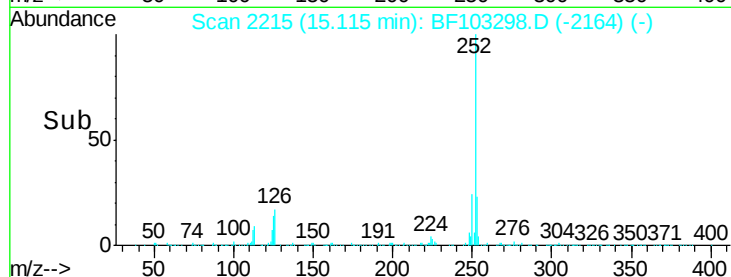
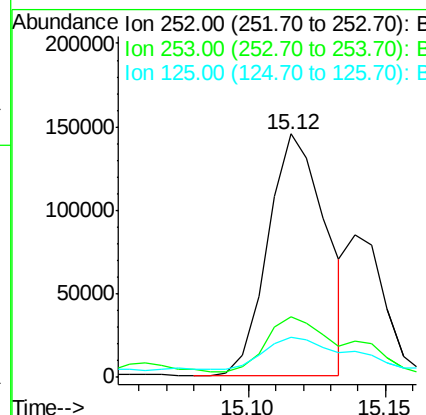
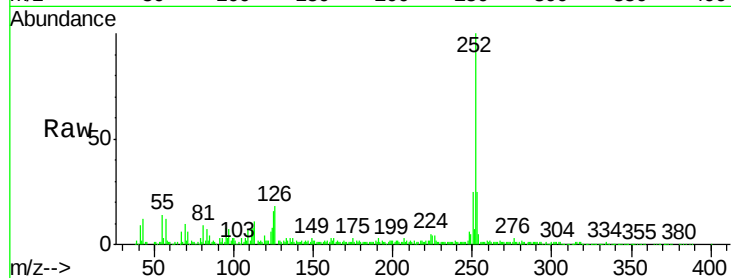
ClientSampleId :

OR-03-022718-B

Tot Ion:	252	Resp:	215542
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.0	25.6
125	16.4	9.0	13.6#

Manual Integrations
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3/1/2018 11:43:04 AM



#88

Benzo(k)fluoranthene

Concen: 5.801 ng m

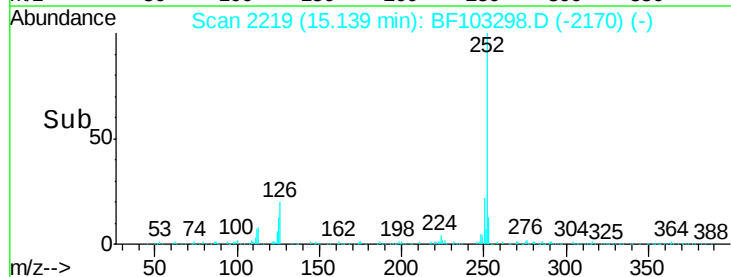
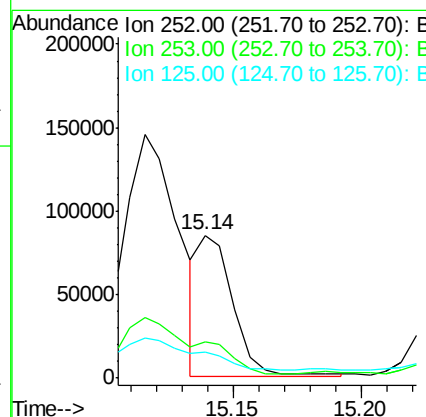
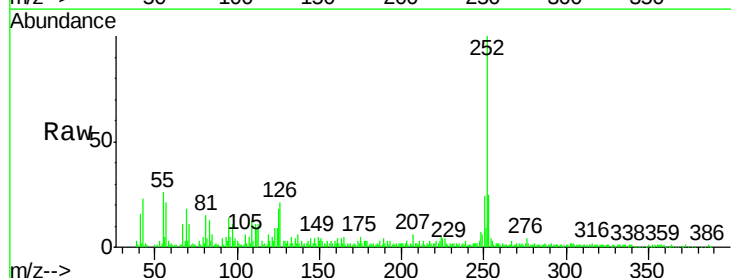
RT: 15.14 min Scan# 2219

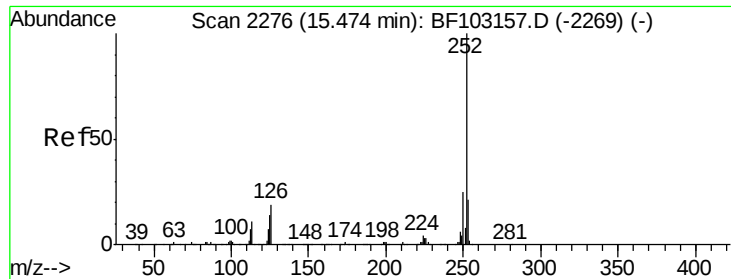
Delta R.T. -0.01 min

Lab File: BF103298.D

Acq: 28 Feb 2018 17:37

Tgt Ion:	252	Resp:	79115
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.9	26.9
125	18.3	10.2	15.2#





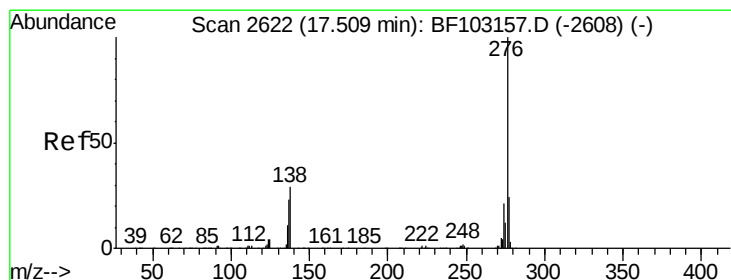
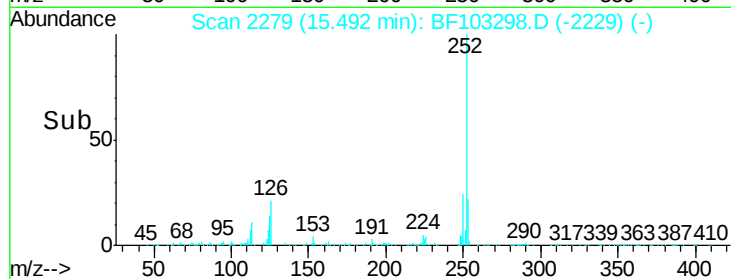
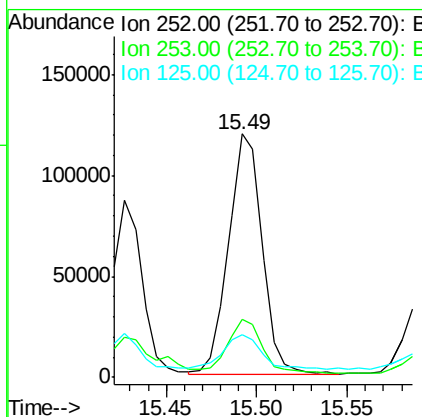
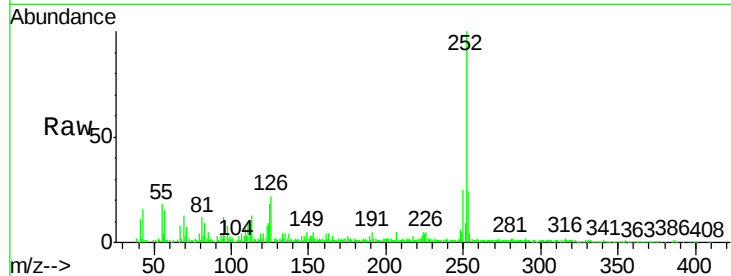
#89
Benzo(a)pyrene
Concen: 11.934 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	17.6	9.8	14.6

Manual Integrations
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Sohil
3/1/2018 11:43:04 AM



#91
Benzo(g,h,i)perylene
Concen: 6.797 ng
RT: 17.55 min Scan# 2629
Delta R.T. 0.01 min
Lab File: BF103298.D
Acq: 28 Feb 2018 17:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.8	17.9	26.9
138	30.4	21.8	32.8

