

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
 Data File : BF107357.D
 Acq On : 13 Jul 2018 10:51
 Operator : JU/SJ
 Sample : J3933-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-4-7

Manual Integrations
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Quant Time: Jul 13 12:58:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 13 11:54:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	56698	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	212652	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	96932	20.00	ng	0.00
63) Phenanthrene-d10	11.47	188	172638	20.00	ng	0.00
75) Chrysene-d12	14.14	240	176294	20.00	ng	0.00
86) Perylene-d12	15.67	264	169702	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	287880	85.98	ng	0.00
7) Phenol-d6	6.58	99	353087	84.44	ng	0.00
23) Nitrobenzene-d5	7.50	82	215929	56.43	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	87327	77.73	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	323410	50.48	ng	0.00
78) Terphenyl-d14	13.05	244	360351	49.51	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.68	163	39612	5.449	ng	99
51) Acenaphthene	10.01	154	13748	2.274	ng	96
57) Fluorene	10.53	166	15944	2.427	ng	# 99
70) Phenanthrene	11.50	178	330998	39.752	ng	99
71) Anthracene	11.55	178	70172	8.256	ng	98
72) Carbazole	11.71	167	24313	3.055	ng	96
74) Fluoranthene	12.70	202	476629	51.934	ng	95
77) Pyrene	12.93	202	499163	42.937	ng	100
80) Benzo(a)anthracene	14.12	228	301738	28.083	ng	99
82) Chrysene	14.16	228	259556	26.258	ng	98
85) Indeno(1,2,3-cd)pyrene	17.26	276	96478m	11.501	ng	
87) Benzo(b)fluoranthene	15.22	252	277261m	26.301	ng	
88) Benzo(k)fluoranthene	15.24	252	110324m	10.990	ng	
89) Benzo(a)pyrene	15.61	252	211709m	22.591	ng	
90) Dibenzo(a,h)anthracene	17.25	278	27185m	3.423	ng	
91) Benzo(g,h,i)perylene	17.75	276	91713m	11.814	ng	

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

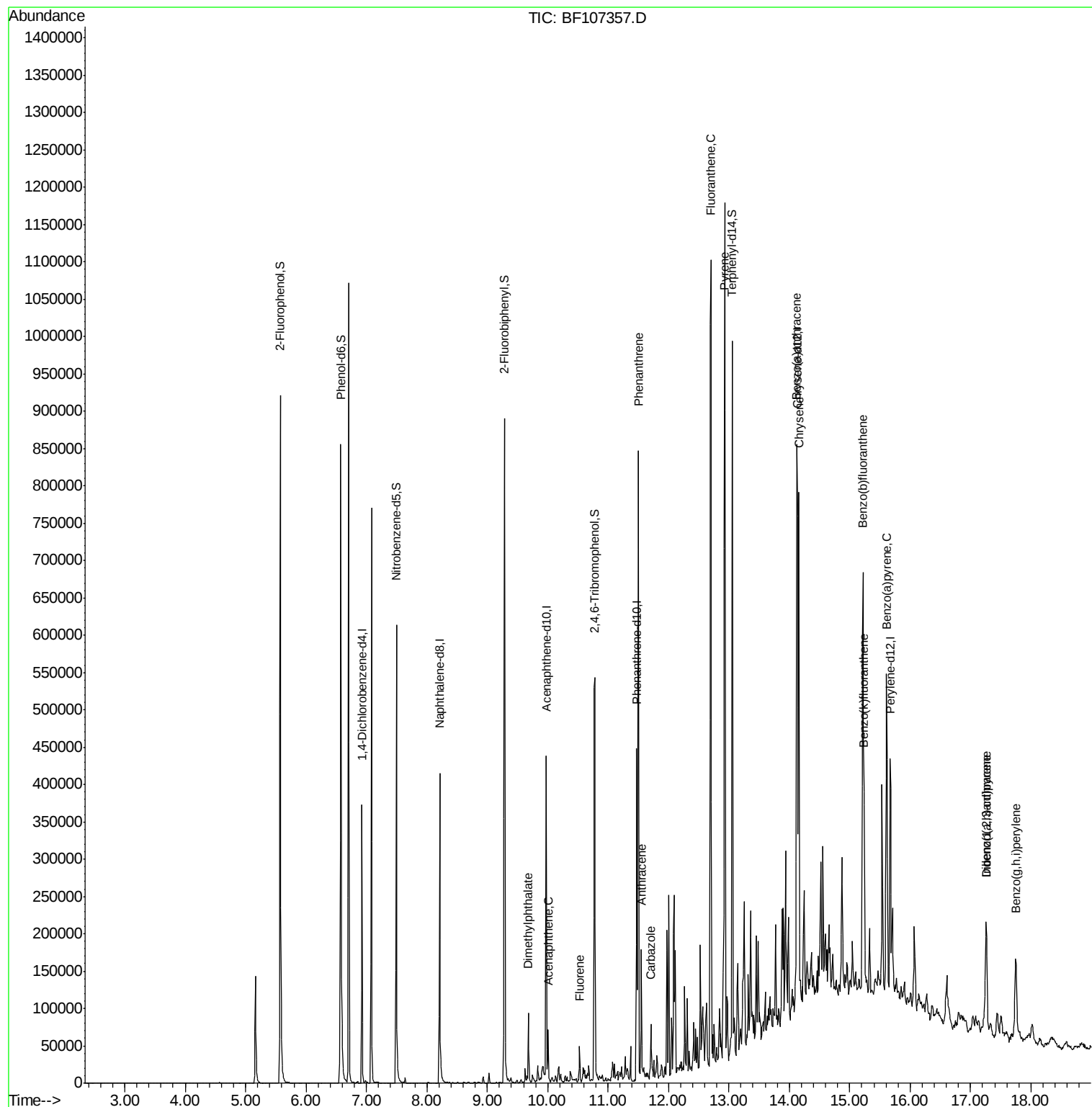
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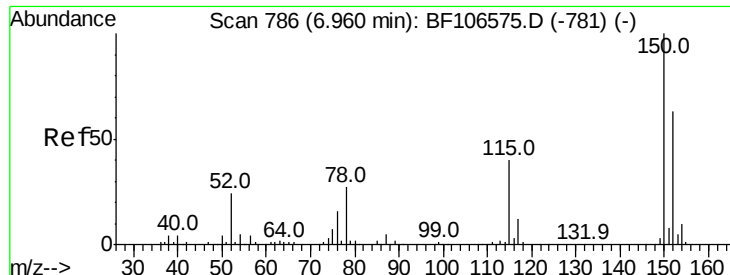
Instrument :
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#1

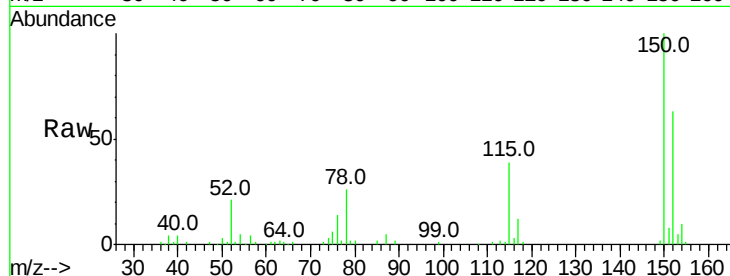
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF107357.D
Acq: 13 Jul 2018 10:51

Instrument :
BNA_F
ClientSampled :
EP-4-7

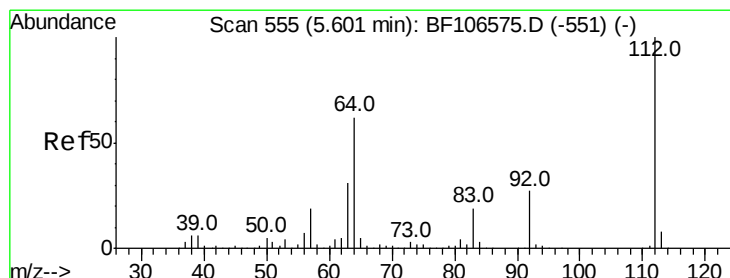
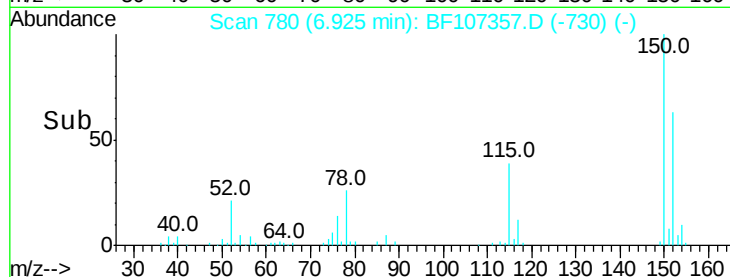
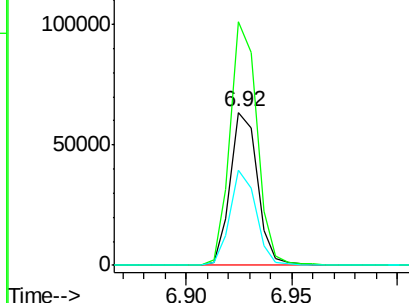
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	62.1	50.1	75.1

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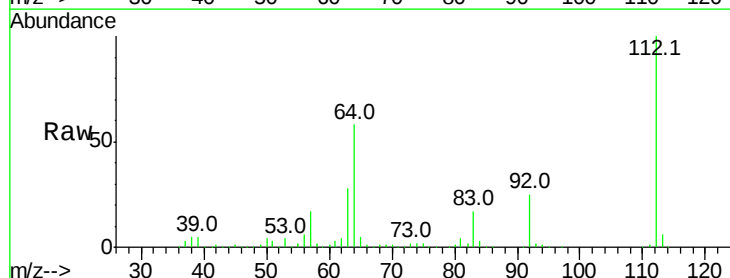
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



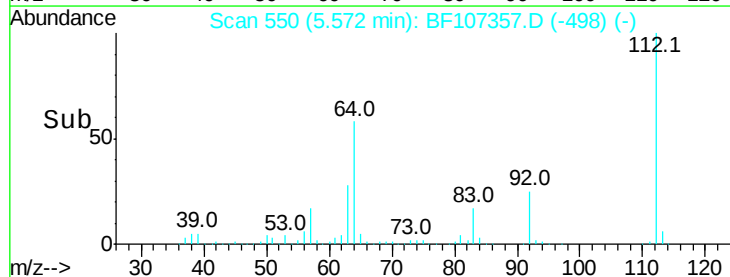
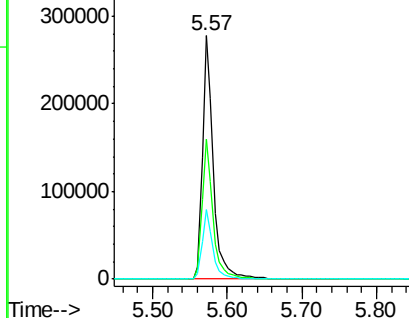
#5

2-Fluorophenol
Concen: 85.977 ng
RT: 5.57 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF107357.D
Acq: 13 Jul 2018 10:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.9	71.9
63	28.4	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 84.442 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF107357.D

Acq: 13 Jul 2018 10:51

Instrument :

BNA_F

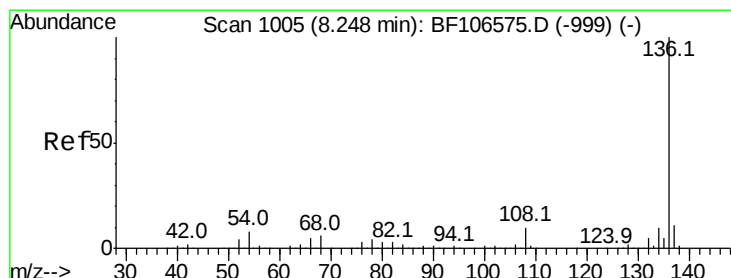
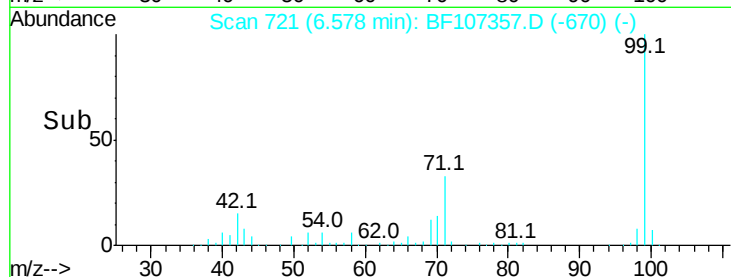
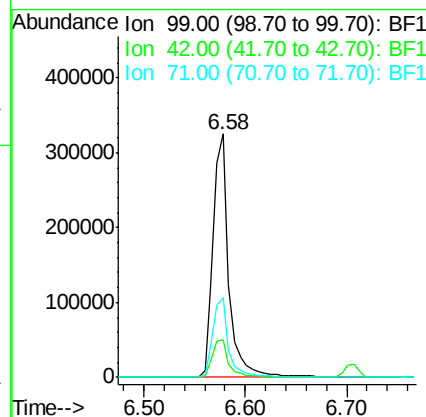
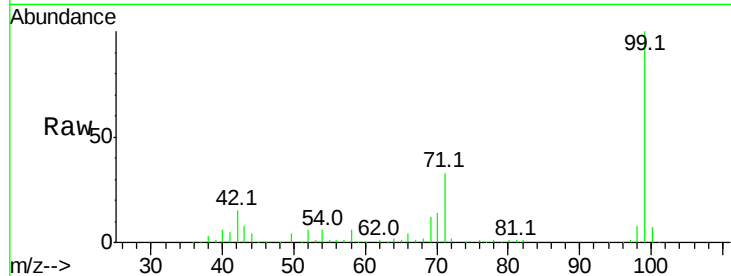
ClientSampled :

EP-4-7

Tot Ion:	99	Resp:	353087
Ion Ratio	Lower	Upper	
99	100		
42	15.4	14.5	21.7
71	32.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

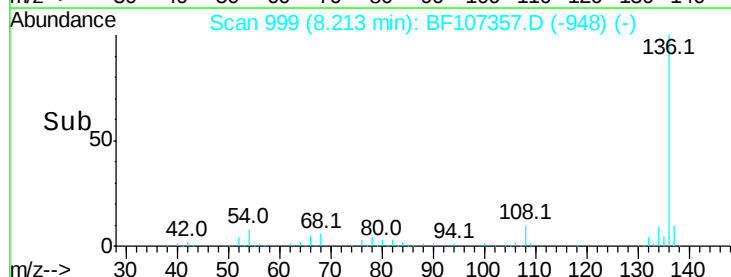
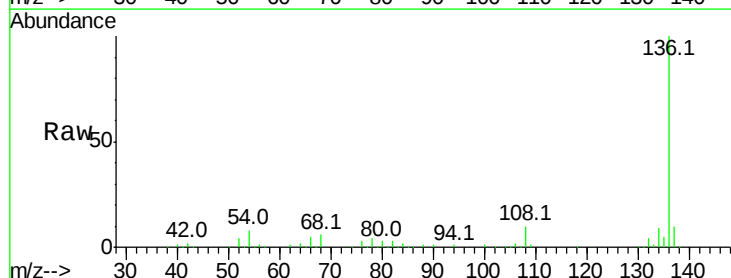
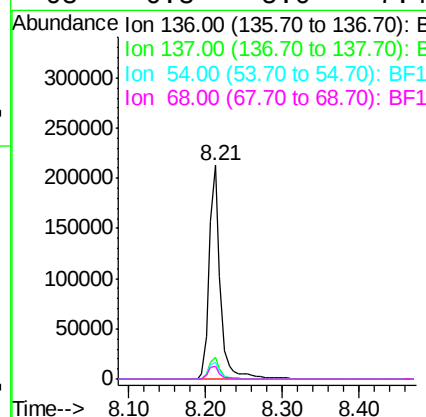
RT: 8.21 min Scan# 999

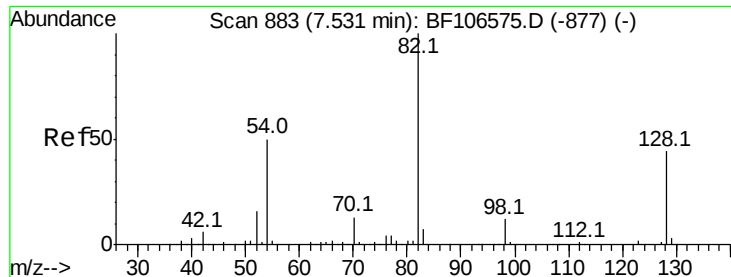
Delta R.T. -0.00 min

Lab File: BF107357.D

Acq: 13 Jul 2018 10:51

Tgt Ion:	136	Resp:	212652
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	7.8	6.6	9.8
68	6.3	5.0	7.4





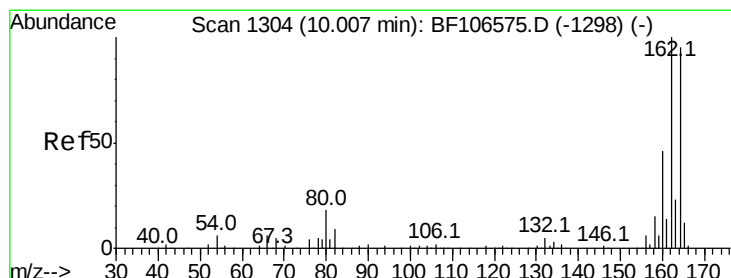
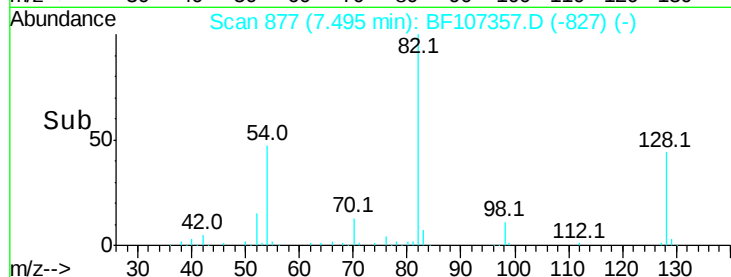
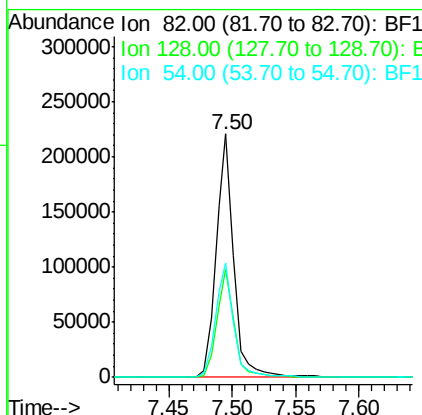
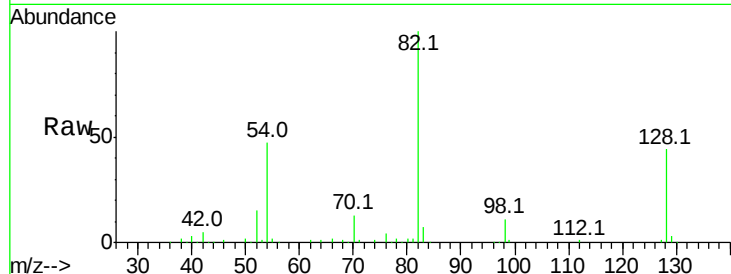
#23
 Nitrobenzene-d5
 Concen: 56.430 ng
 RT: 7.50 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF107357.D
 Acq: 13 Jul 2018 10:51

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.1	54.1
54	47.0	41.4	62.2

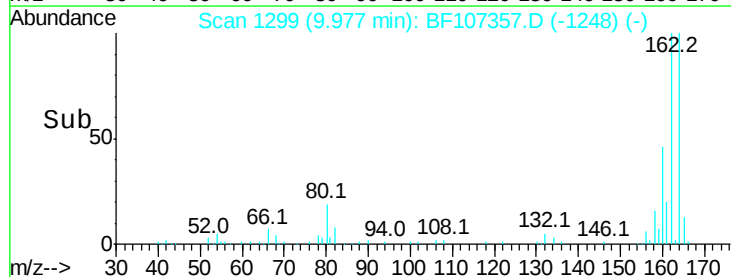
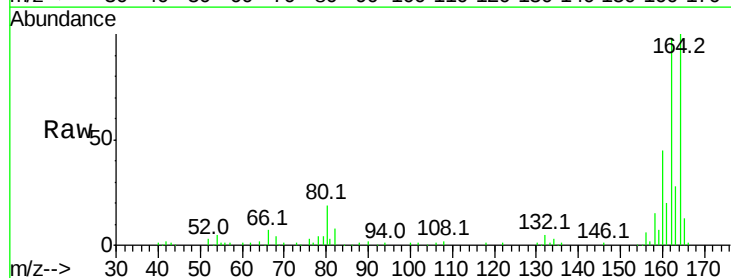
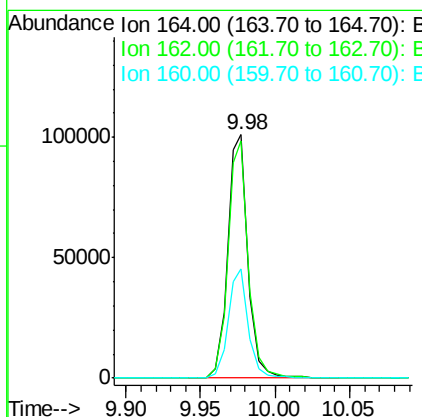
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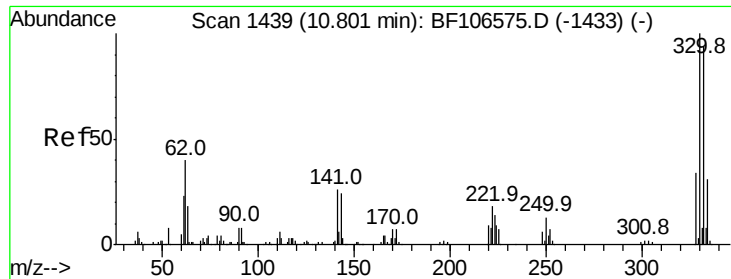
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. -0.00 min
 Lab File: BF107357.D
 Acq: 13 Jul 2018 10:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.5	86.1	129.1
160	44.8	38.3	57.5





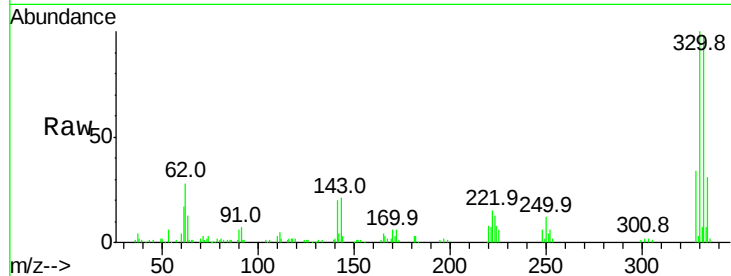
#41
 2,4,6-Tribromophenol
 Concen: 77.730 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: BF107357.D
 Acq: 13 Jul 2018 10:51

Instrument :
 BNA_F
 ClientSampled :
 EP-4-7

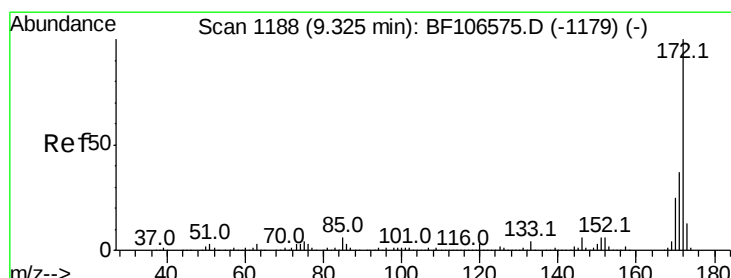
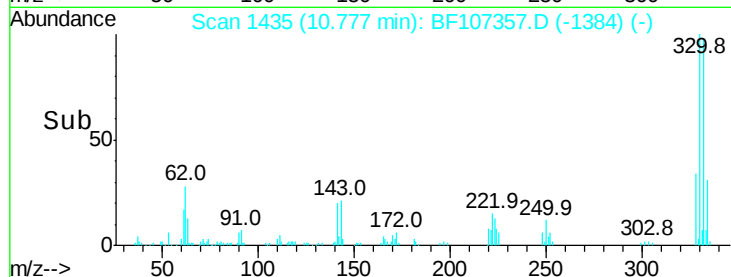
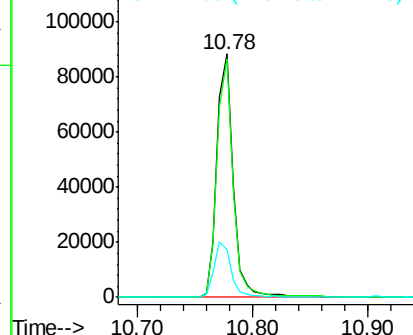
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	23.7	29.9	44.9

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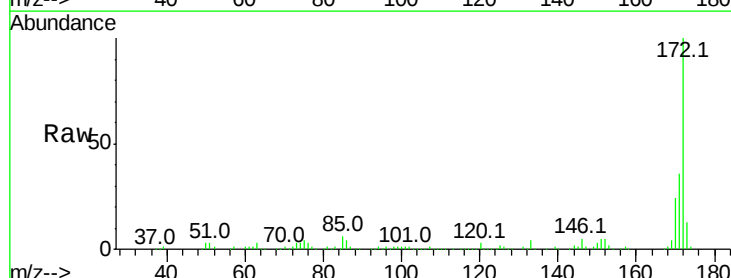


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

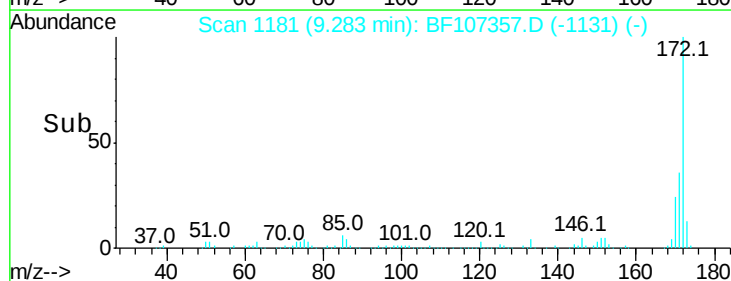
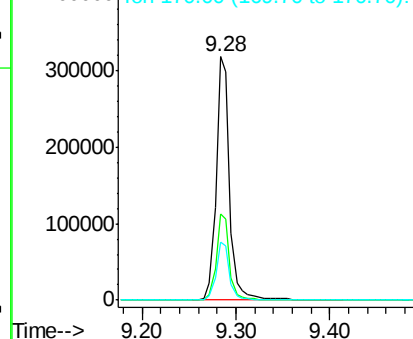


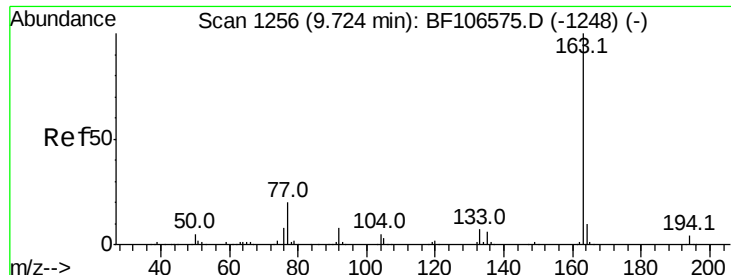
#44
 2-Fluorobiphenyl
 Concen: 50.484 ng
 RT: 9.28 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BF107357.D
 Acq: 13 Jul 2018 10:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.7	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





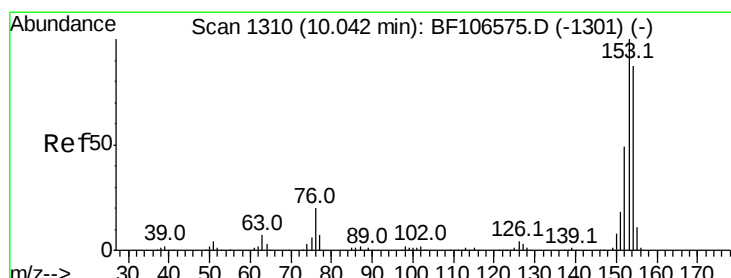
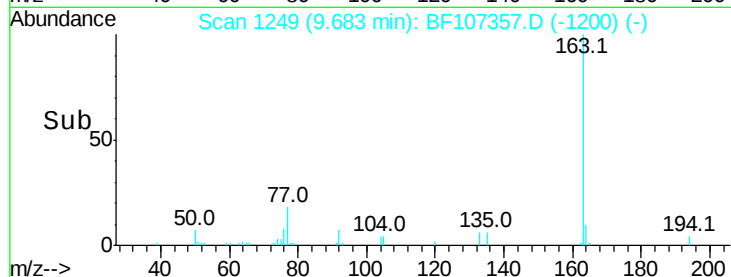
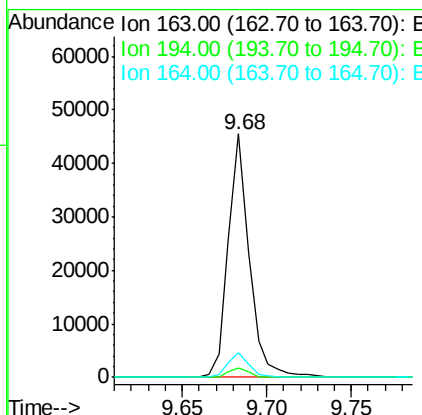
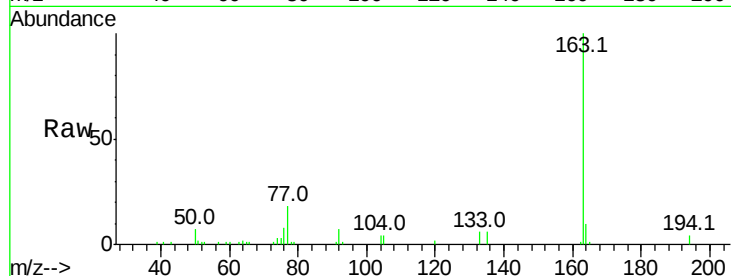
#49
Dimethylphthalate
Concen: 5.449 ng
RT: 9.68 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF107357.D
Acq: 13 Jul 2018 10:51

Instrument :
BNA_F
ClientSampleId :
EP-4-7

Tot Ion:	163	Resp:	39612
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.7	4.1
164	10.4	8.2	12.2

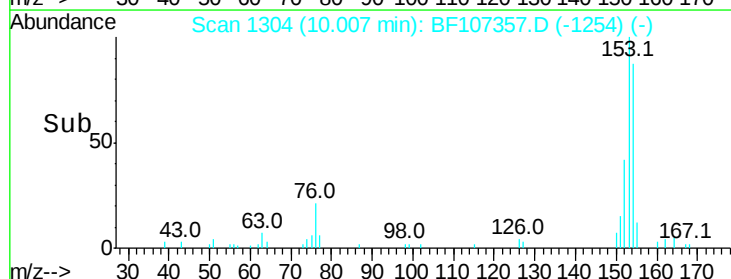
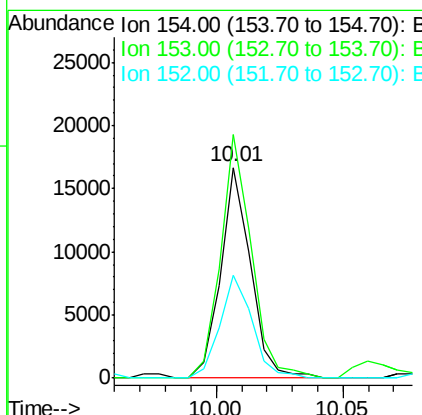
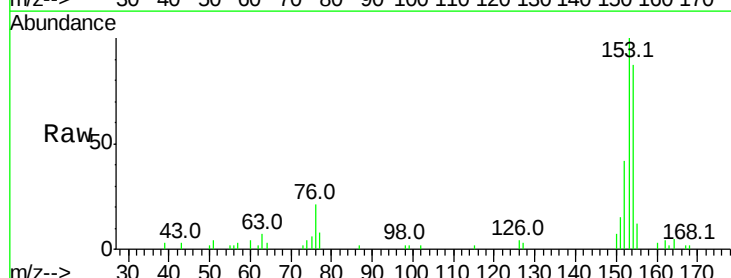
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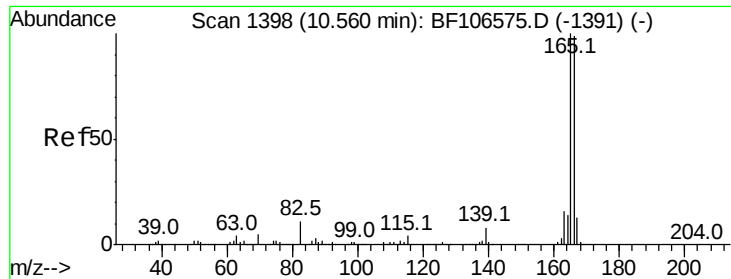
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#51
Acenaphthene
Concen: 2.274 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107357.D
Acq: 13 Jul 2018 10:51

Tgt Ion:	154	Resp:	13748
Ion Ratio	Lower	Upper	
154	100		
153	115.5	91.2	136.8
152	49.0	43.8	65.8





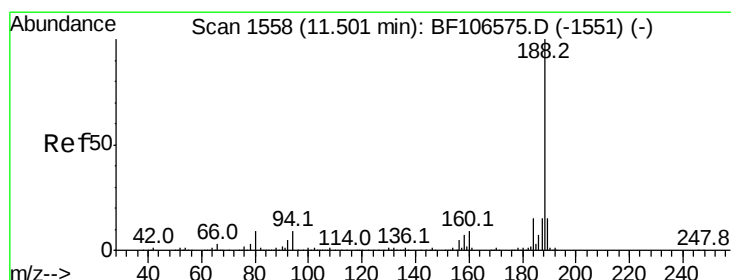
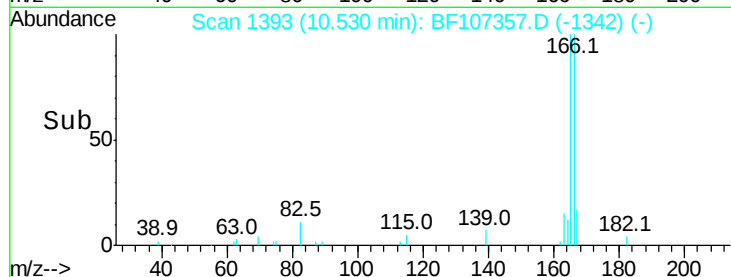
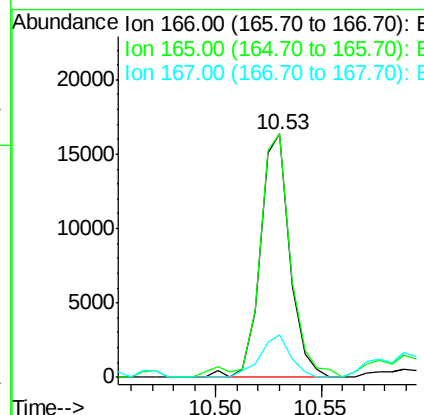
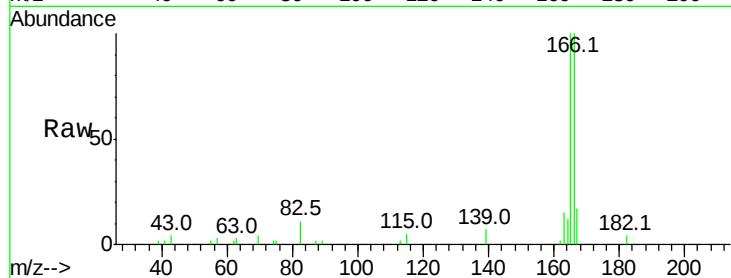
#57
 Fluorene
 Concen: 2.427 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: BF107357.D
 Acq: 13 Jul 2018 10:51

Instrument :
 BNA_F
 ClientSampleId :
 EP-4-7

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.8	119.8
167	17.3	10.6	16.0

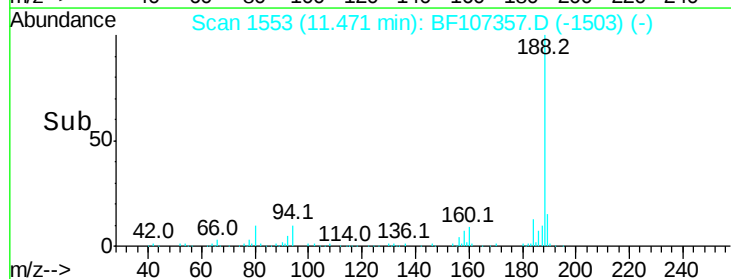
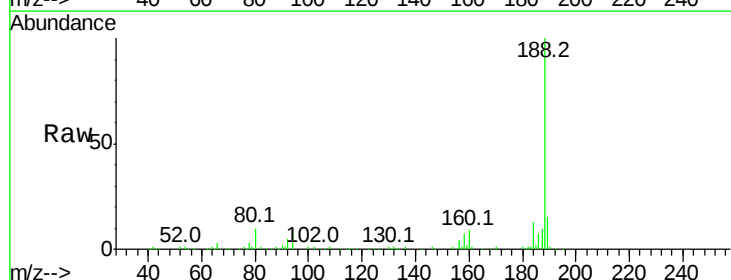
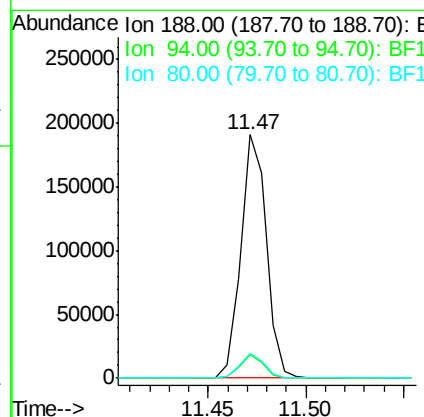
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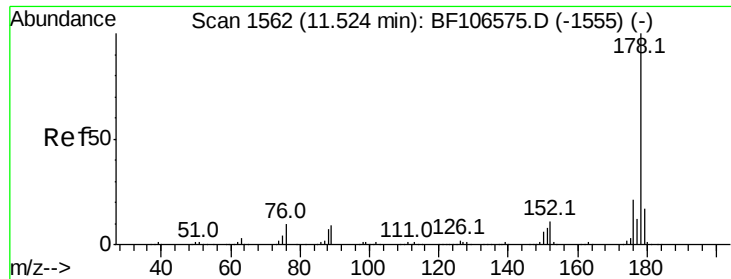
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: BF107357.D
 Acq: 13 Jul 2018 10:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.4	9.2	13.8





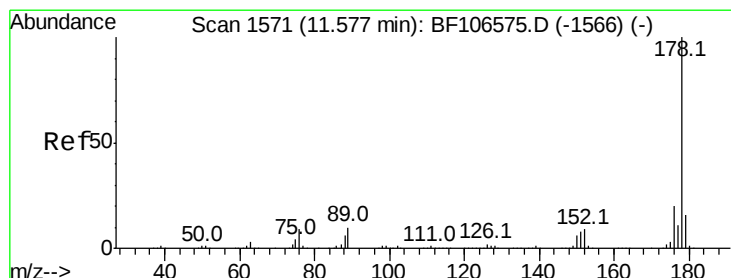
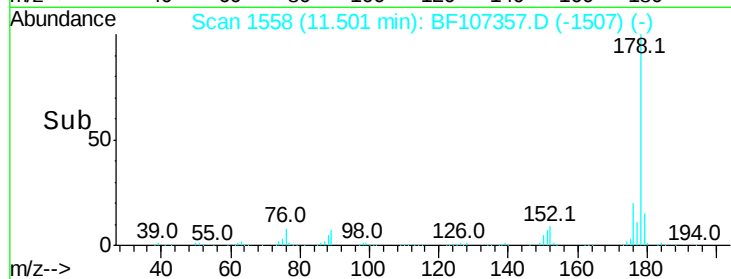
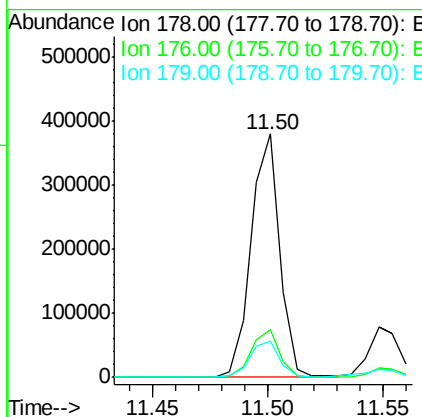
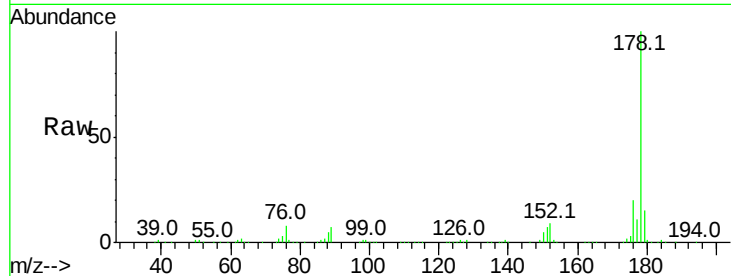
#70
Phenanthrene
Concen: 39.752 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF107357.D
Acq: 13 Jul 2018 10:51

Instrument :
BNA_F
ClientSampled :
EP-4-7

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.1	13.0	19.6

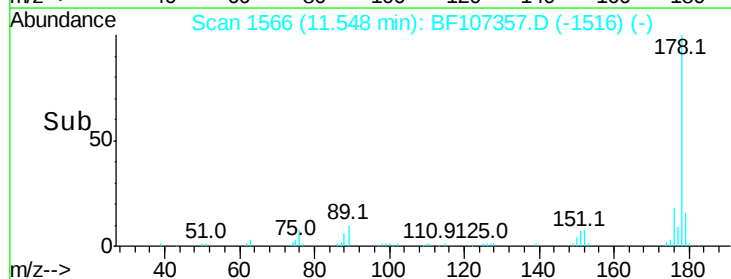
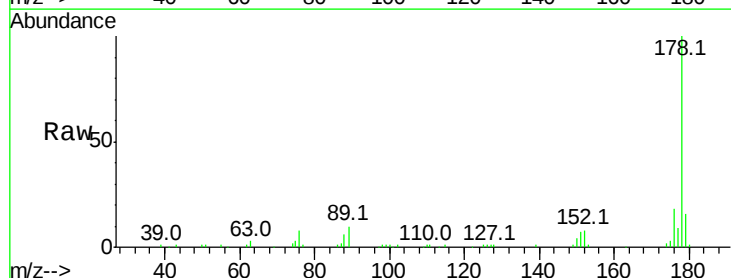
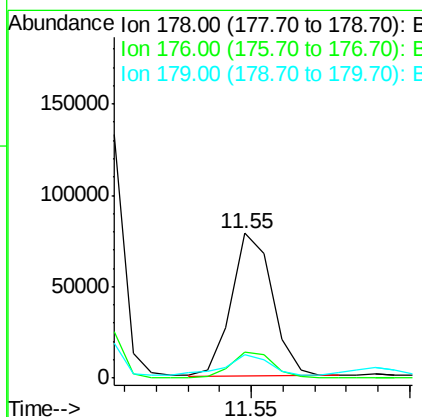
Manual Integrations
APPROVED

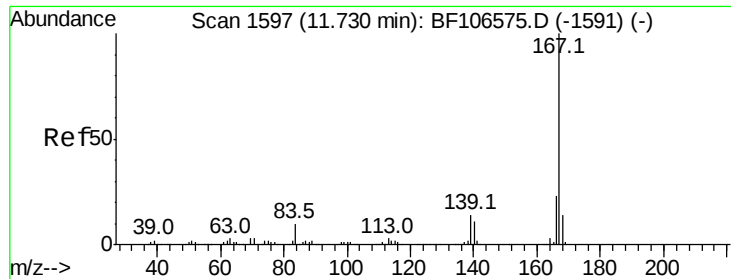
Sohil
7/16/2018 3:21:59 PM



#71
Anthracene
Concen: 8.256 ng
RT: 11.55 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF107357.D
Acq: 13 Jul 2018 10:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.2	12.6	19.0





#72

Carbazole

Concen: 3.055 ng

RT: 11.71 min Scan# 1594

Delta R.T. -0.00 min

Lab File: BF107357.D

Acq: 13 Jul 2018 10:51

Instrument :

BNA_F

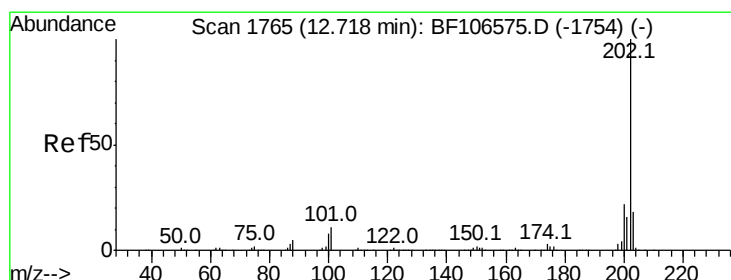
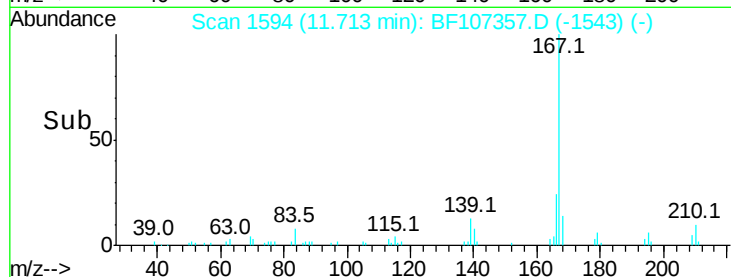
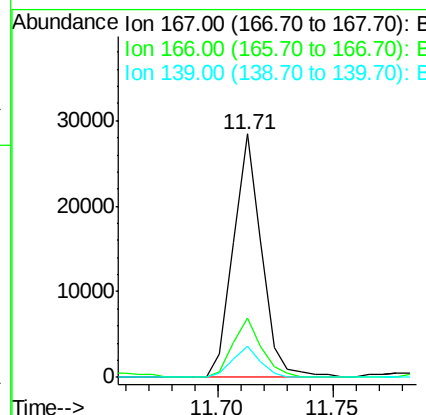
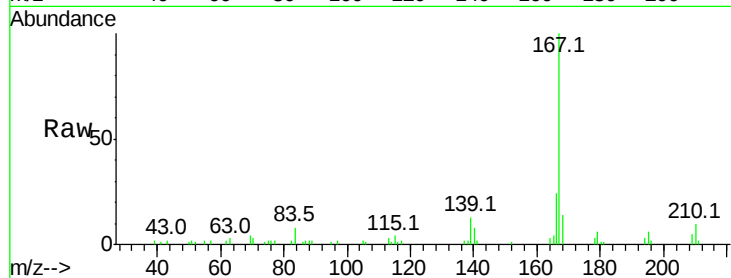
ClientSampled :

EP-4-7

Tot Ion:	167	Resp:	24313
Ion Ratio	Lower	Upper	
167	100		
166	24.4	17.6	26.4
139	12.7	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 51.934 ng

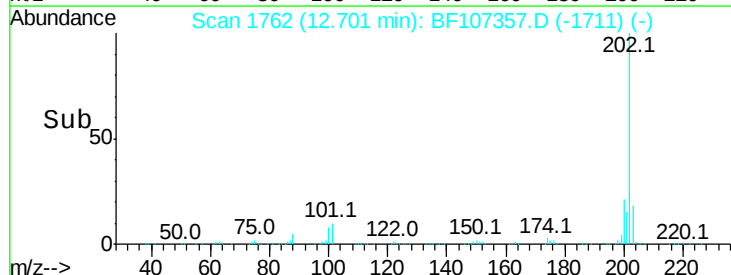
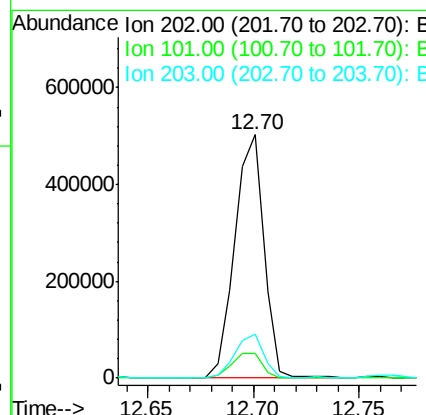
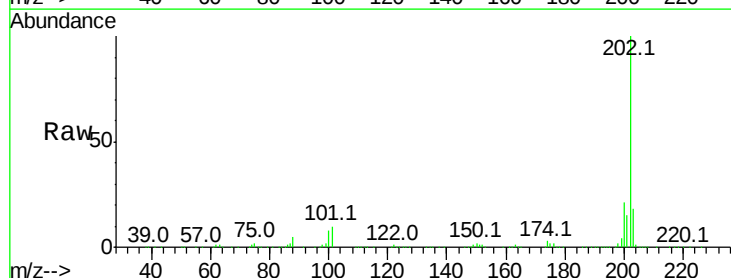
RT: 12.70 min Scan# 1762

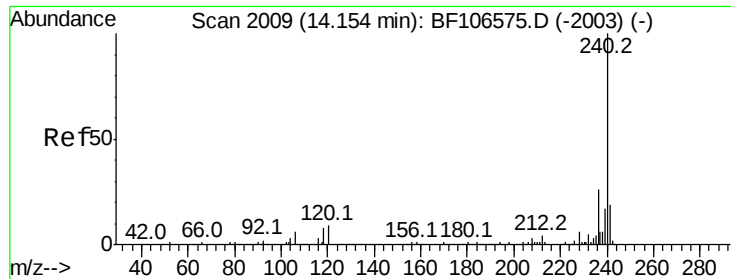
Delta R.T. -0.00 min

Lab File: BF107357.D

Acq: 13 Jul 2018 10:51

Tgt Ion:	202	Resp:	476629
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF107357.D

Acq: 13 Jul 2018 10:51

Instrument :

BNA_F

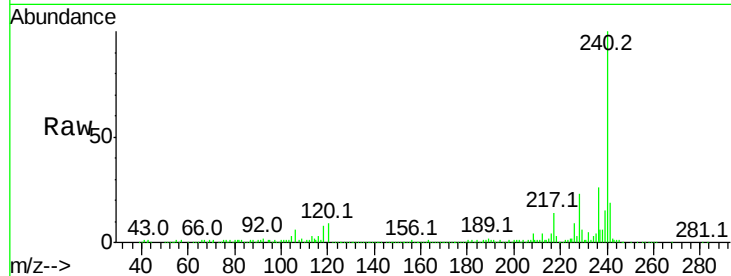
ClientSampled :

EP-4-7

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.5	9.5	14.3#
236	25.7	20.7	31.1

Manual Integrations
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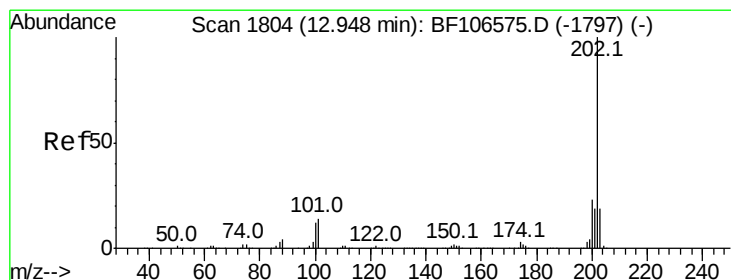
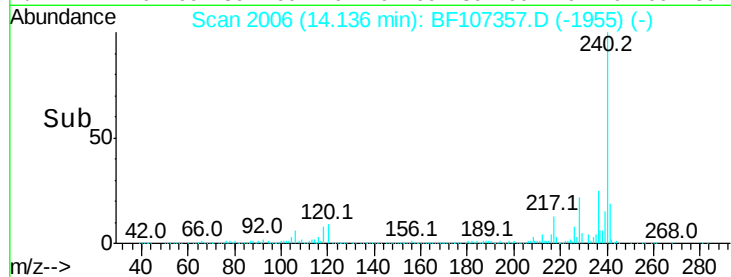
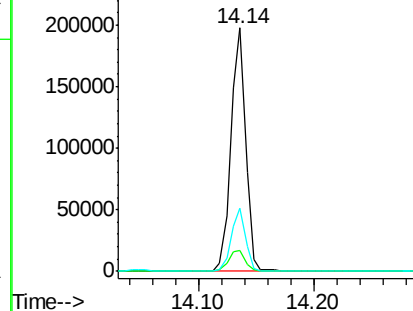
Sohil
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 42.937 ng

RT: 12.93 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF107357.D

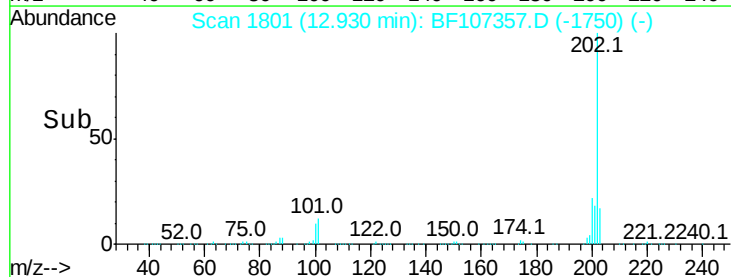
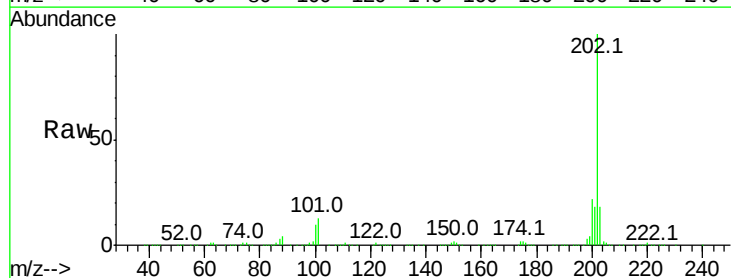
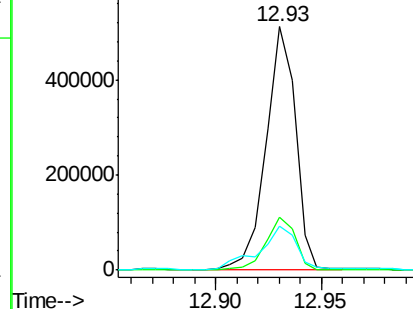
Acq: 13 Jul 2018 10:51

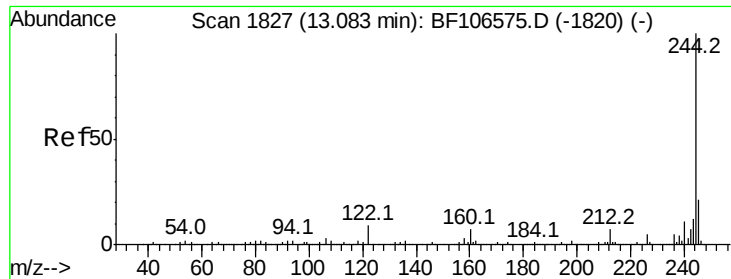
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.1	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





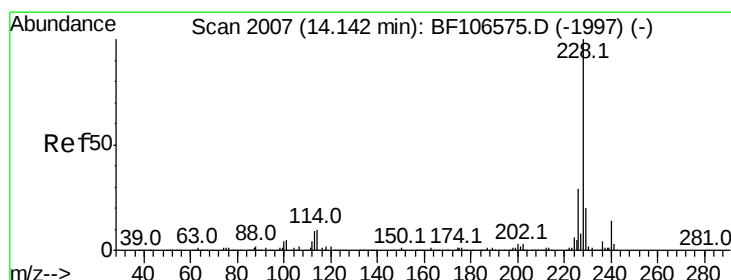
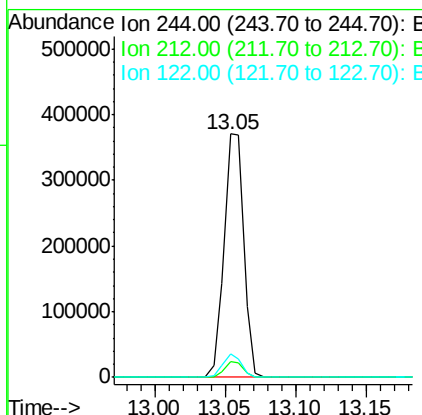
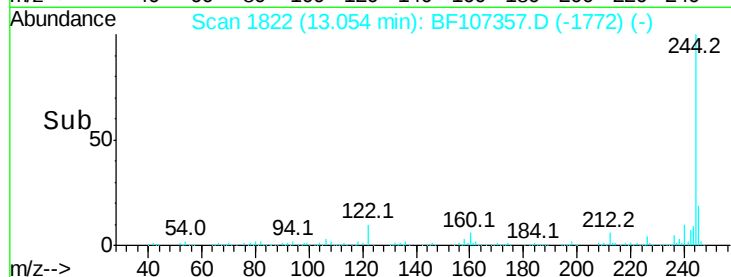
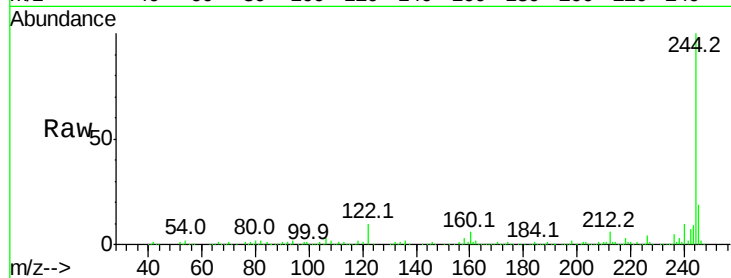
#78
 Terphenyl-d14
 Concen: 49.513 ng
 RT: 13.05 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BF107357.D
 Acq: 13 Jul 2018 10:51

Instrument :
 BNA_F
 ClientSampled :
 EP-4-7

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	9.5	11.0	16.4

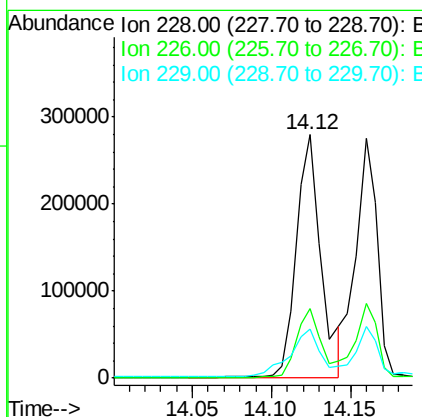
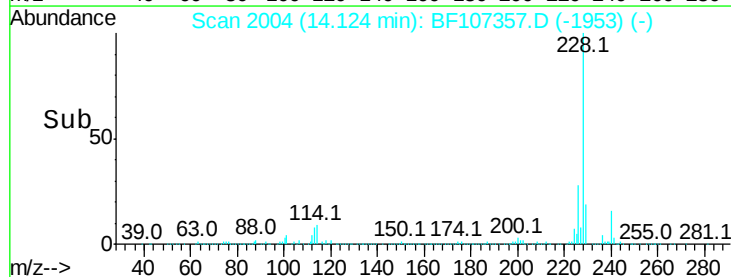
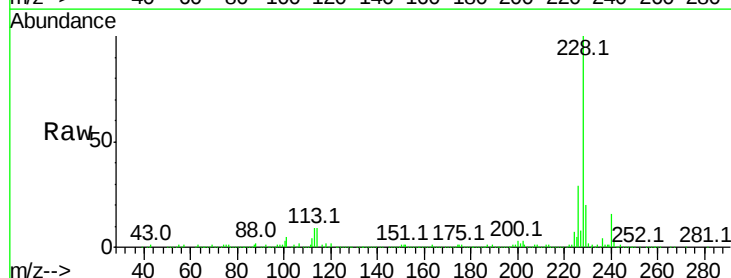
Manual Integrations
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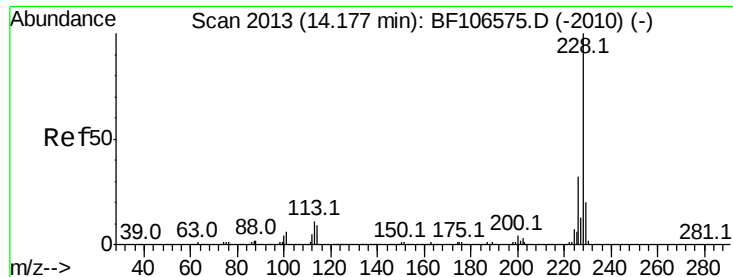
Sohil
 7/16/2018 3:21:59 PM



#80
 Benzo(a)anthracene
 Concen: 28.083 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. -0.00 min
 Lab File: BF107357.D
 Acq: 13 Jul 2018 10:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	20.4	15.8	23.6





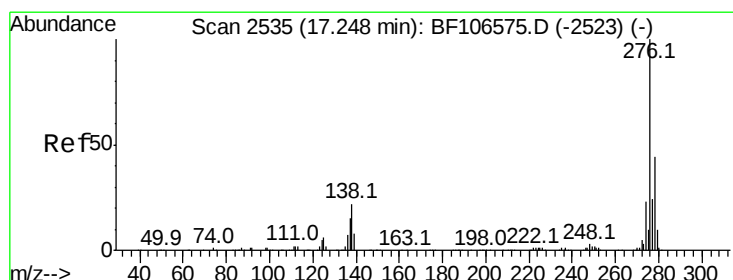
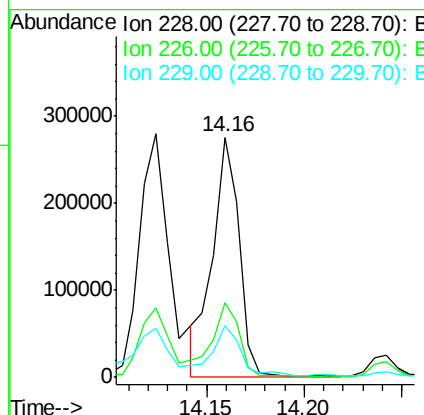
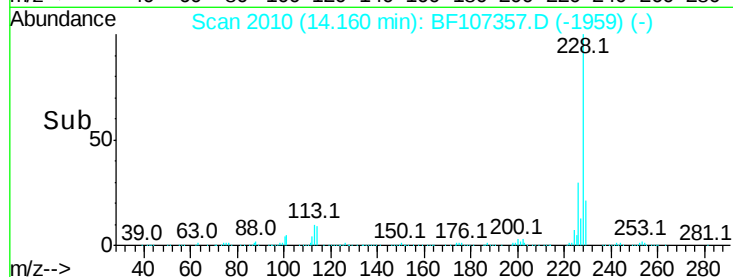
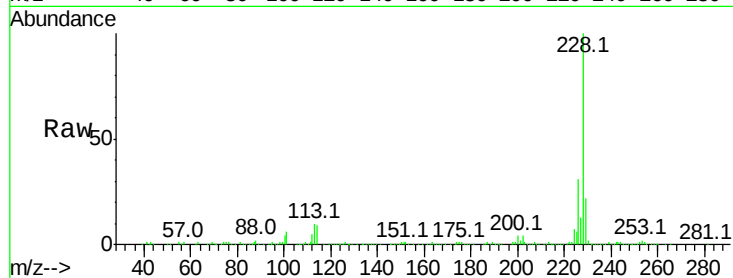
#82
Chrysene
Concen: 26.258 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BF107357.D
Acq: 13 Jul 2018 10:51

Instrument :
BNA_F
ClientSampled :
EP-4-7

Tot Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.9	25.0	37.6	
229	21.7	16.2	24.4	

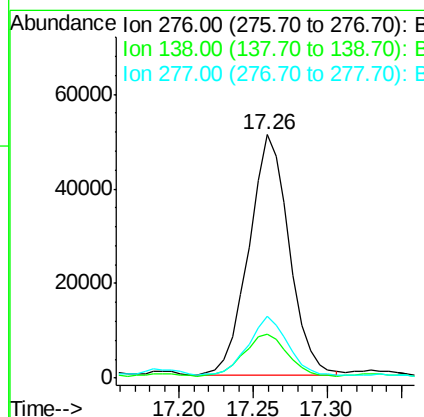
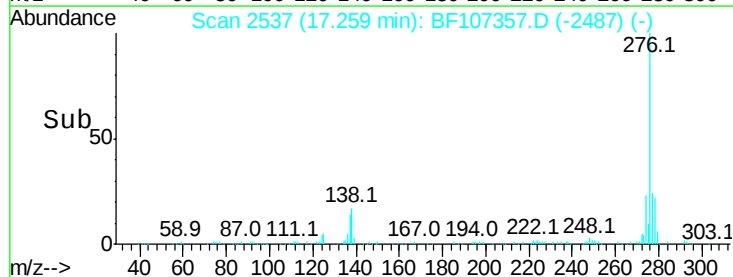
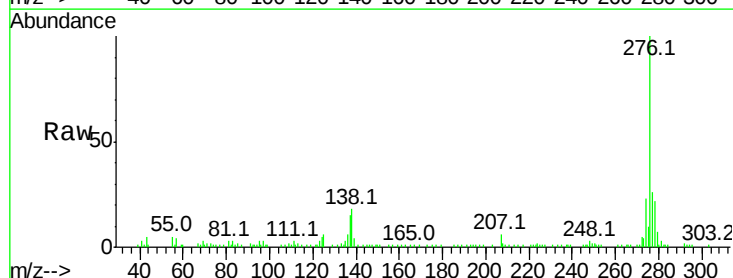
Manual Integrations
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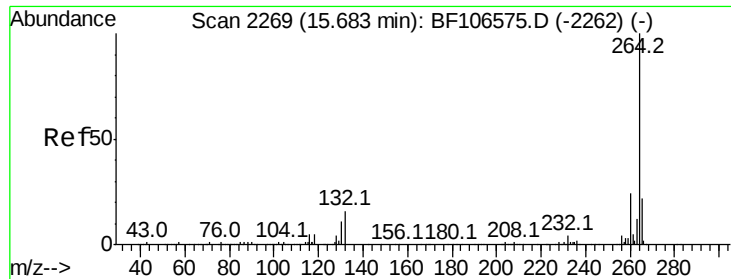
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 11.501 ng m
RT: 17.26 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF107357.D
Acq: 13 Jul 2018 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	1.5	25.0	37.6#	
277	1.2	20.1	30.1#	





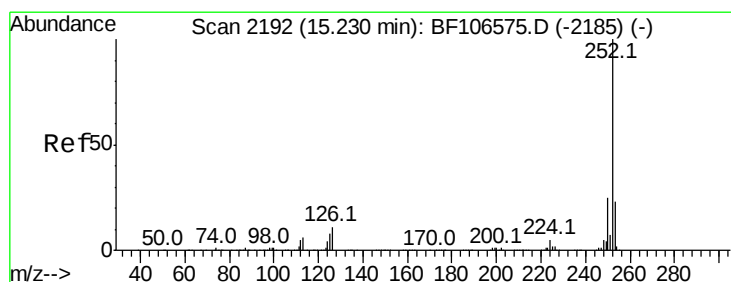
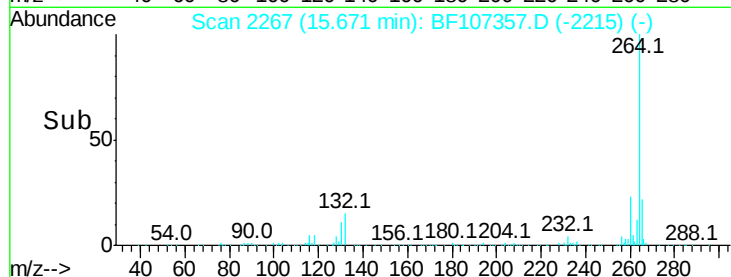
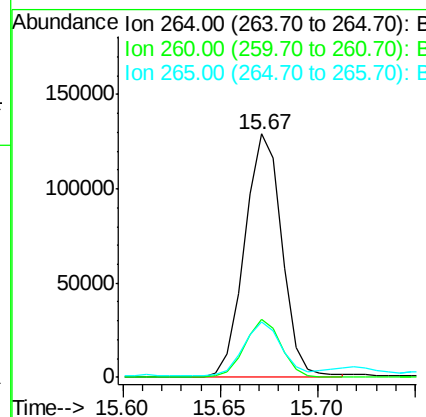
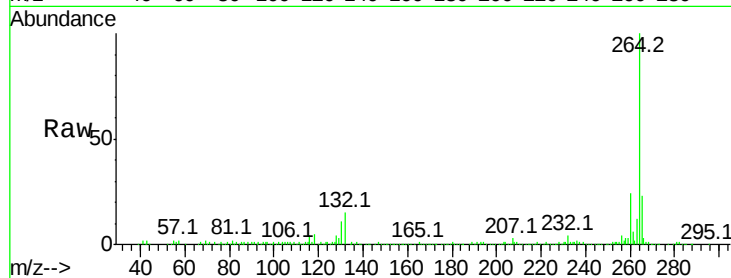
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF107357.D
Acq: 13 Jul 2018 10:51

Instrument :
BNA_F
ClientSampleId :
EP-4-7

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.6	17.5	26.3

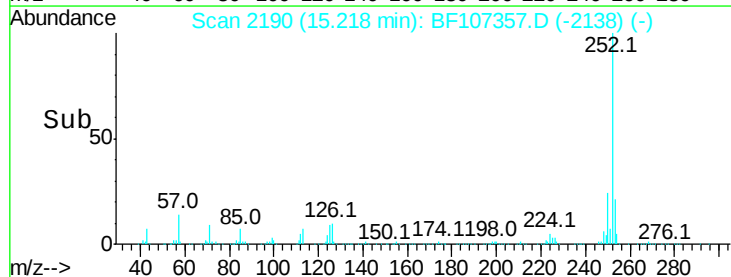
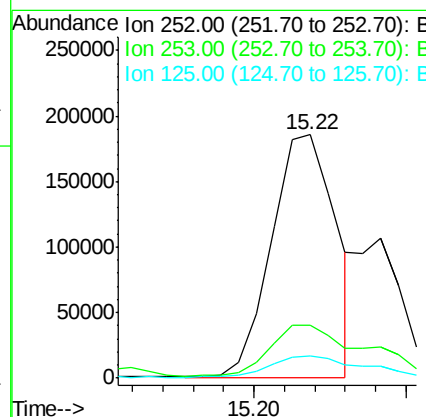
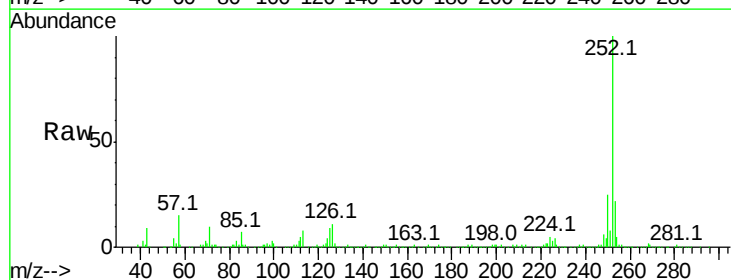
Manual Integrations
APPROVED

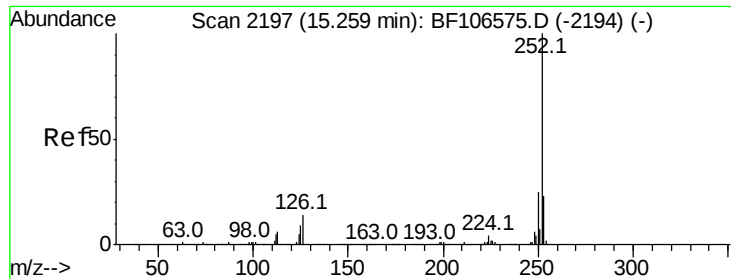
Sohil
7/16/2018 3:21:59 PM



#87
Benzo(b)fluoranthene
Concen: 26.301 ng m
RT: 15.22 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BF107357.D
Acq: 13 Jul 2018 10:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	9.4	9.0	13.6





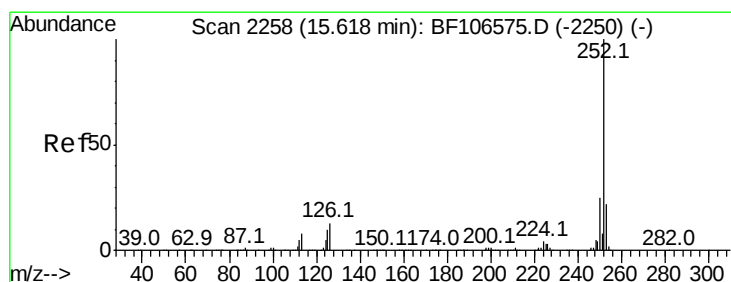
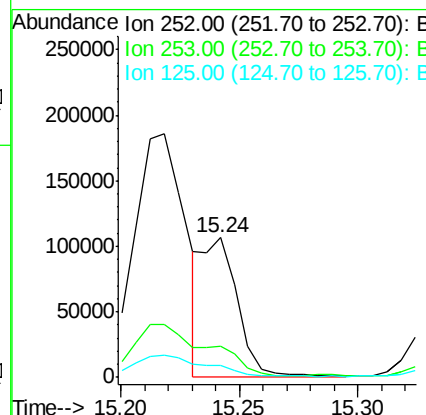
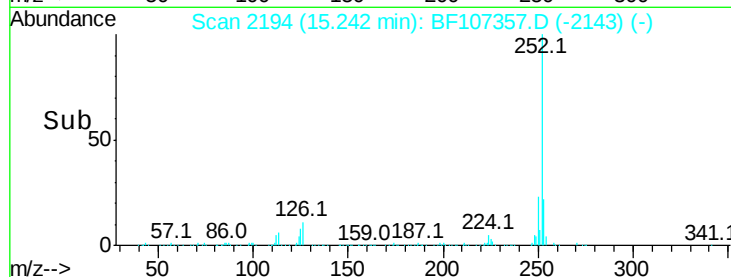
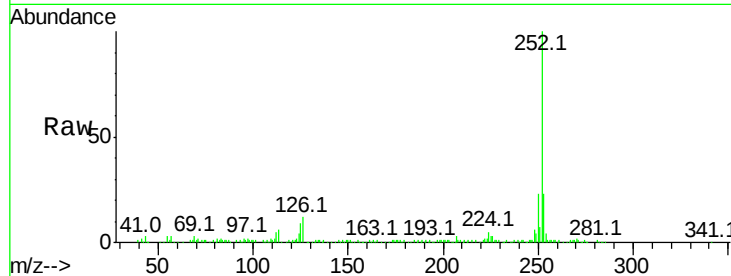
#88
Benzo(k)fluoranthene
Concen: 10.990 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BF107357.D
Acq: 13 Jul 2018 10:51

Instrument :
BNA_F
ClientSampled :
EP-4-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	8.9	10.2	15.2#

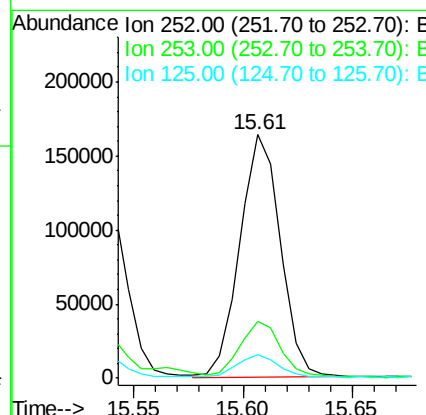
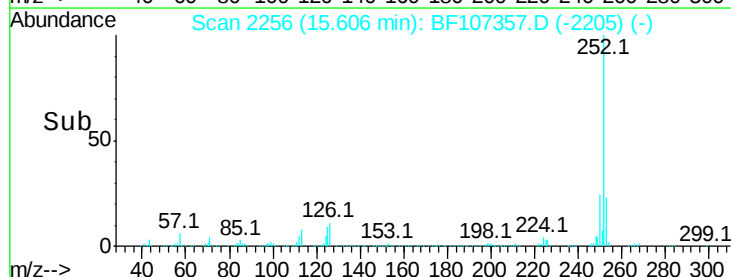
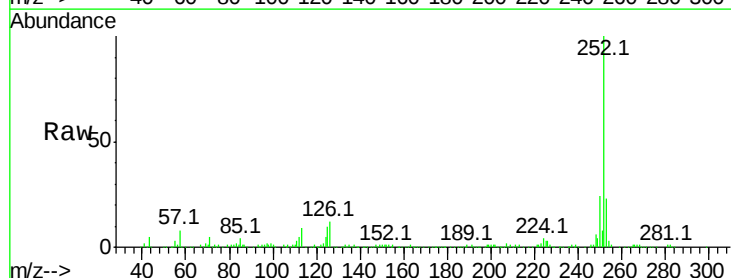
Manual Integrations
APPROVED

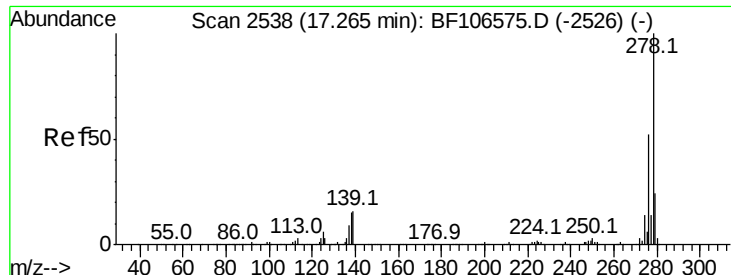
Sohil
7/16/2018 3:21:59 PM



#89
Benzo(a)pyrene
Concen: 22.591 ng m
RT: 15.61 min Scan# 2256
Delta R.T. -0.00 min
Lab File: BF107357.D
Acq: 13 Jul 2018 10:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	9.7	9.8	14.6#





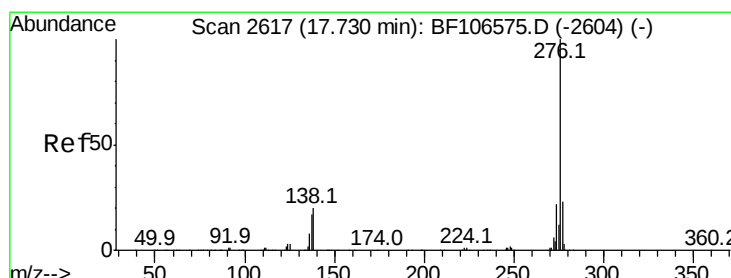
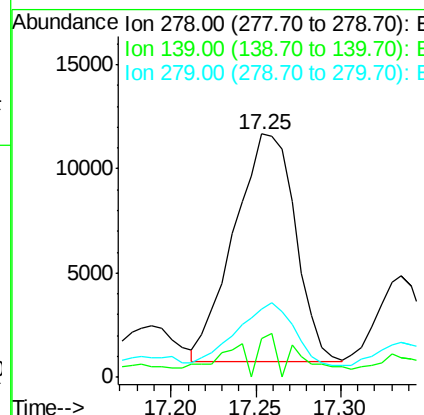
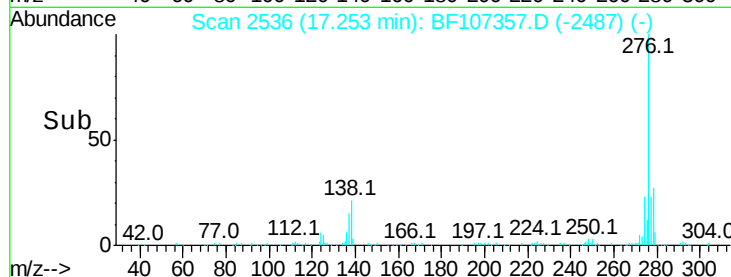
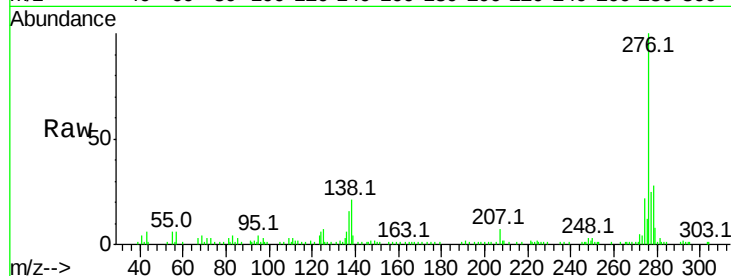
#90
Dibenzo(a,h)anthracene
Concen: 3.423 ng m
RT: 17.25 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BF107357.D
Acq: 13 Jul 2018 10:51

Instrument :
BNA_F
ClientSampleId :
EP-4-7

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.7	15.9	23.9#
279	28.2	19.0	28.4

Manual Integrations
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7/16/2018 3:21:59 PM



#91
Benzo(g,h,i)perylene
Concen: 11.814 ng m
RT: 17.75 min Scan# 2620
Delta R.T. -0.00 min
Lab File: BF107357.D
Acq: 13 Jul 2018 10:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.0	17.9	26.9#
138	20.9	21.8	32.8#

