

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
 Data File : BF111553.D
 Acq On : 17 Dec 2018 21:49
 Operator : JU/SJ
 Sample : J6403-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 TP-3-A

Manual Integrations
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Sohil
 12/18/2018 12:49:31 PM

Quant Time: Dec 18 09:55:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	122812	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	506363	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	368247	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	551799	20.00	ng	0.00
76) Chrysene-d12	13.96	240	330428	20.00	ng	0.01
87) Perylene-d12	15.40	264	352422	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	922666	125.02	ng	0.00
7) Phenol-d6	6.44	99	990806	100.93	ng	0.00
23) Nitrobenzene-d5	7.35	82	614133	72.22	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	260791	79.06	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1529600	64.16	ng	0.00
79) Terphenyl-d14	12.90	244	1010279	71.80	ng	0.00
Target Compounds						
10) Phenol	6.45	94	62378	5.704	ng	98
31) Naphthalene	8.10	128	3594491	151.771	ng	99
37) 2-Methylnaphthalene	8.81	142	4579633	285.758	ng	97
38) 1-Methylnaphthalene	8.91	142	5421211m	350.148	ng	
46) 1,1'-Biphenyl	9.25	154	717235	22.987	ng	96
49) Acenaphthylene	9.70	152	736464	20.919	ng	# 78
50) Dimethylphthalate	9.55	163	294108	11.090	ng	# 97
52) Acenaphthene	9.89	154	3876294	174.207	ng	98
58) Fluorene	10.39	166	2569205	109.669	ng	98
71) Phenanthrene	11.37	178	7041839	247.663	ng	98
72) Anthracene	11.41	178	2936964	101.002	ng	98
75) Fluoranthene	12.55	202	2469929	88.795	ng	98
78) Pyrene	12.77	202	3743429	160.688	ng	98
81) Benzo(a)anthracene	13.95	228	1531551	85.244	ng	# 83
83) Chrysene	13.99	228	1727648m	91.280	ng	
86) Indeno(1,2,3-cd)pyrene	16.82	276	266169	19.485	ng	96
88) Benzo(b)fluoranthene	14.99	252	933419m	45.429	ng	
89) Benzo(k)fluoranthene	15.01	252	288524m	14.696	ng	
90) Benzo(a)pyrene	15.34	252	1031495	55.671	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	117766	8.058	ng	# 88
92) Benzo(g,h,i)perylene	17.24	276	263283	18.352	ng	97

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

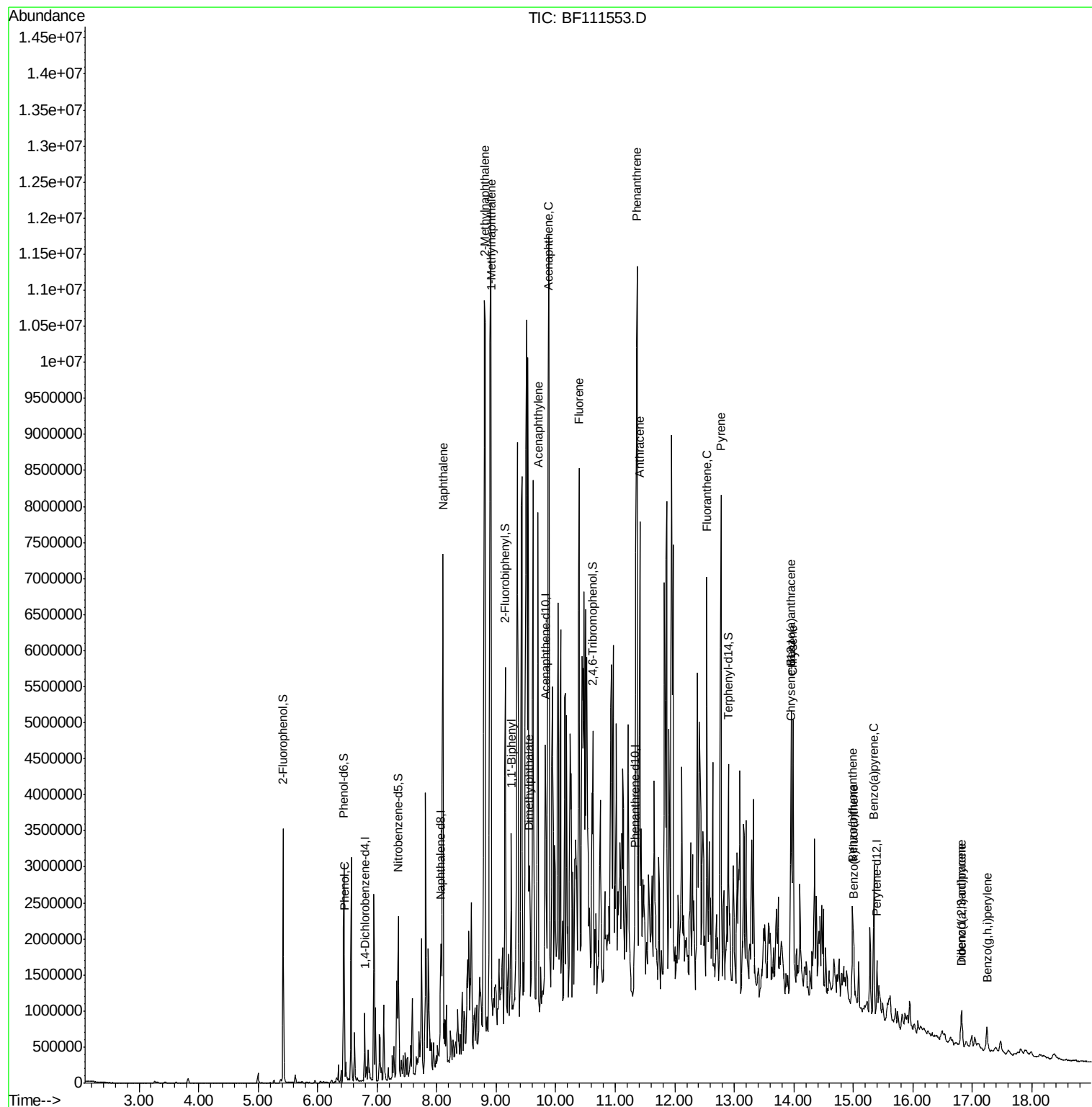
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111553.D
Acq On : 17 Dec 2018 21:49
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Misc :
ALS Vial : 14 Sample Multiplier: 1

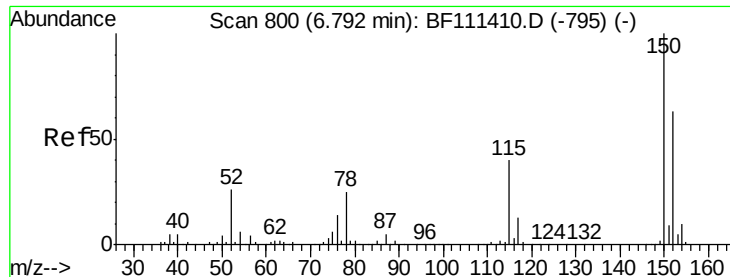
Instrument :
BNA_F
ClientSampled :
TP-3-A

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Quant Time: Dec 18 09:55:50 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration





#1

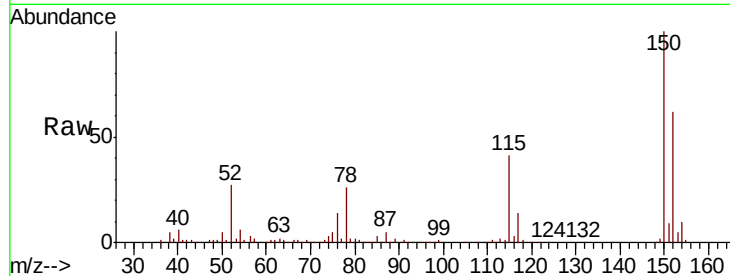
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Instrument :
BNA_F
ClientSampleId :
TP-3-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.9	126.6	189.8
115	65.9	50.7	76.1

Manual Integrations
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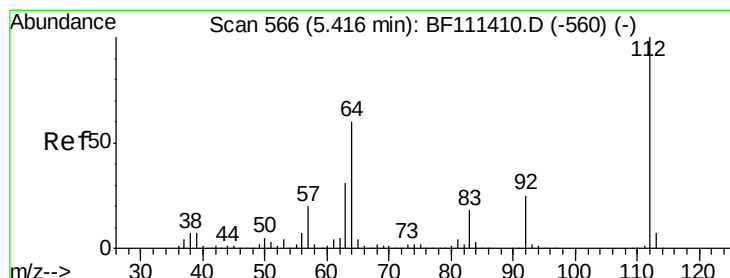
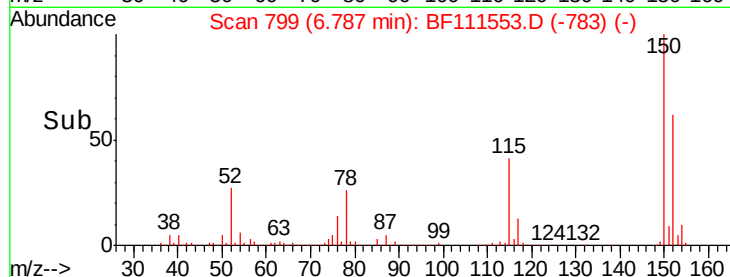
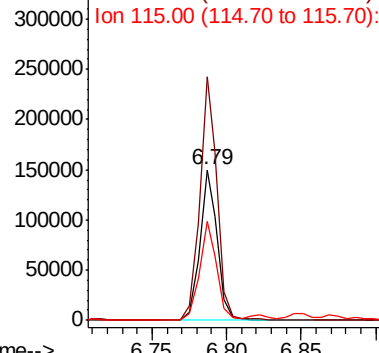


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

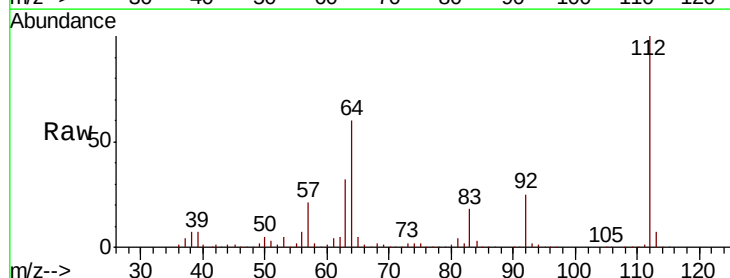
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 125.018 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	51.8	77.6
63	32.0	26.8	40.2

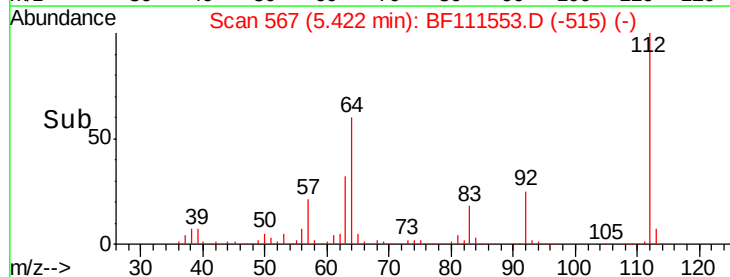
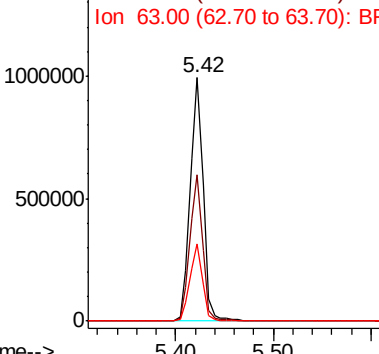


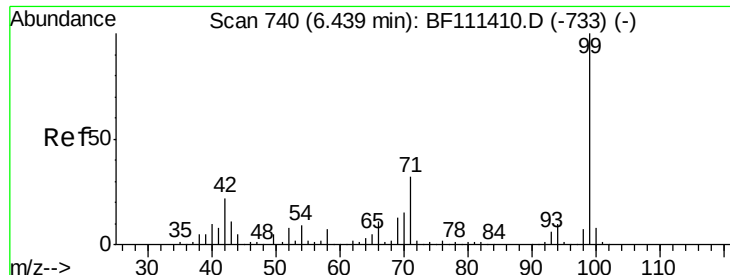
Abundance

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: 100.927 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Instrument :

BNA_F

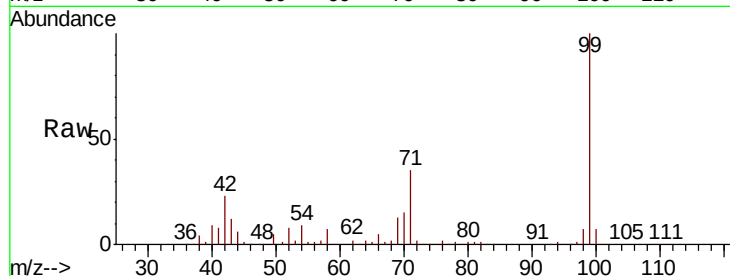
ClientSampled :

TP-3-A

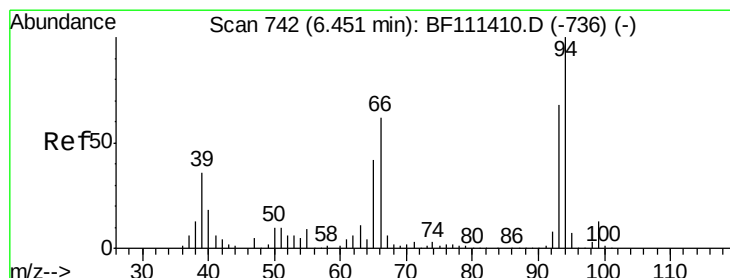
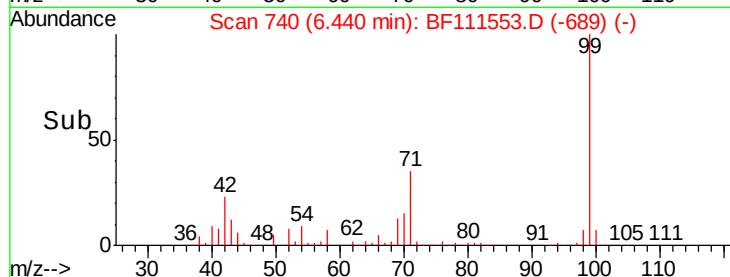
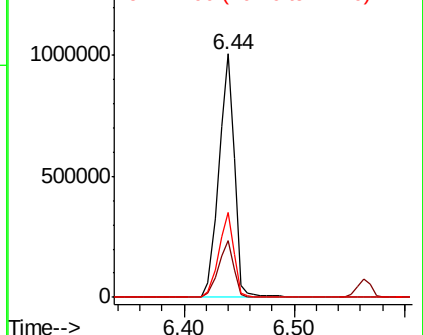
Tot Ion:	99	Resp:	990806
Ion Ratio	Lower	Upper	
99	100		
42	23.2	17.4	26.0
71	35.1	26.1	39.1

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



#10

Phenol

Concen: 5.704 ng

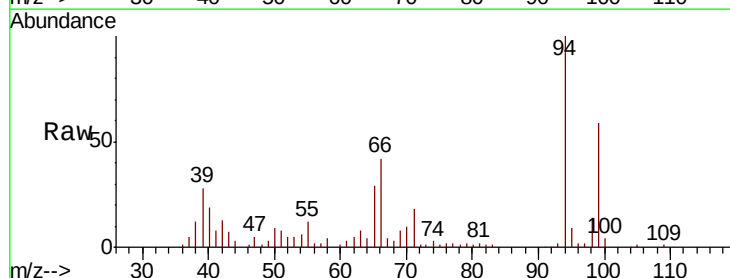
RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

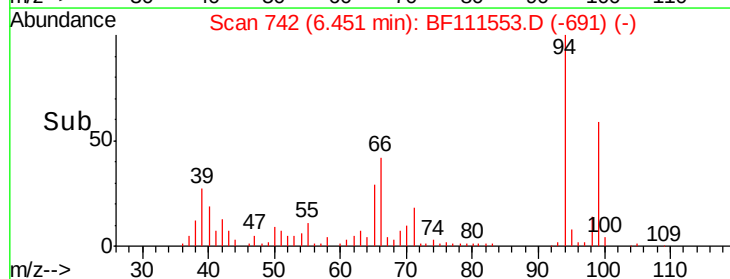
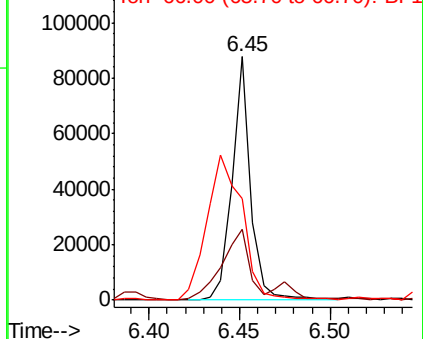
Lab File: BF111553.D

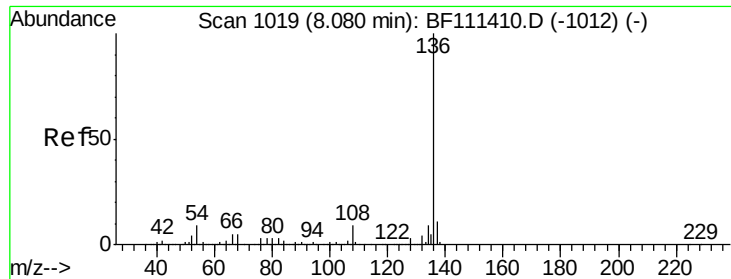
Acq: 17 Dec 2018 21:49

Tgt Ion:	94	Resp:	62378
Ion Ratio	Lower	Upper	
94	100		
65	29.2	11.7	51.7
66	41.6	21.0	61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





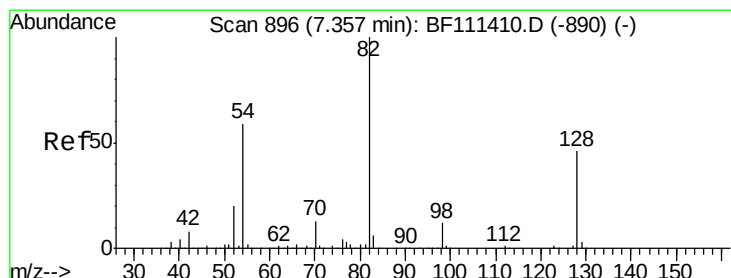
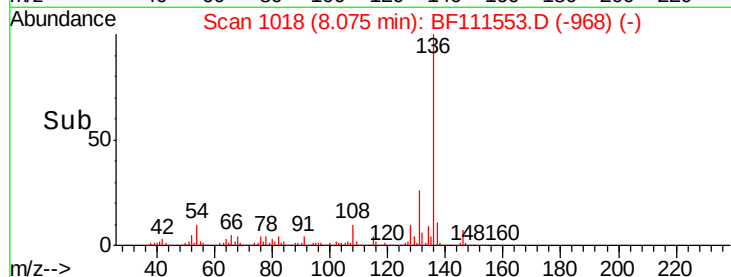
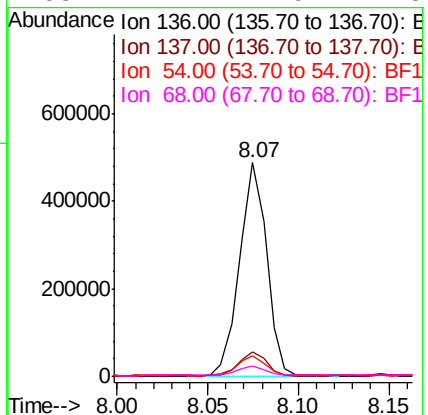
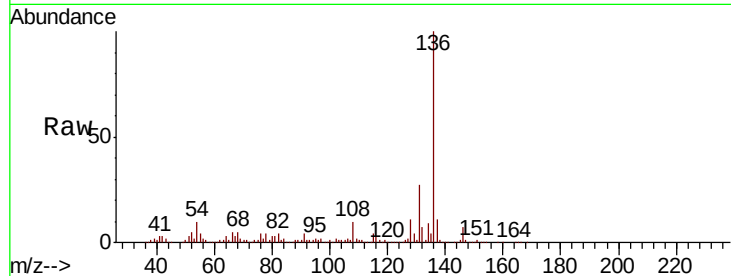
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Instrument :
BNA_F
ClientSampleId :
TP-3-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		506363		
137	11.1	9.1	13.7		
54	9.7	7.7	11.5		
68	4.7	4.9	7.3#		

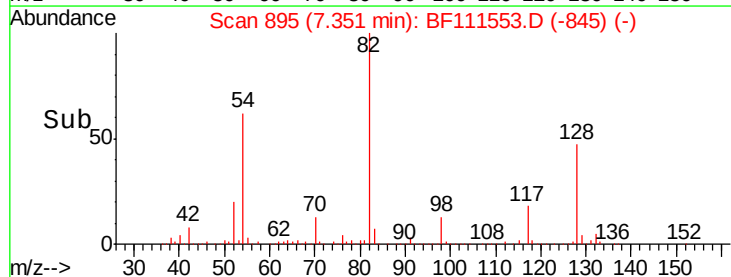
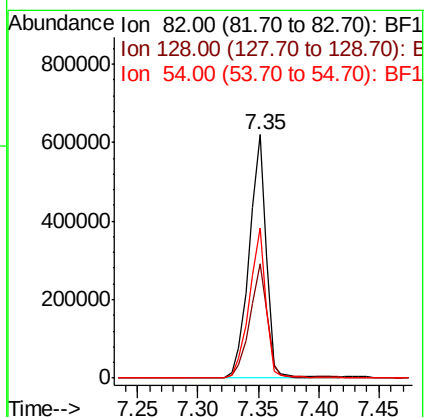
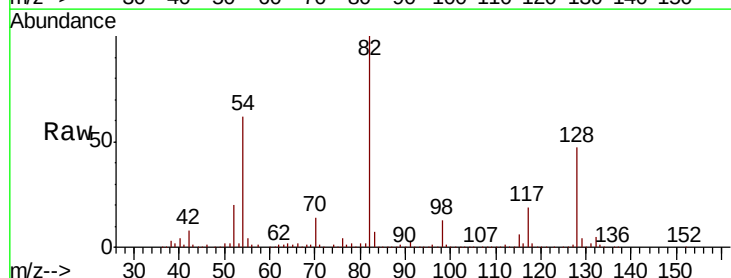
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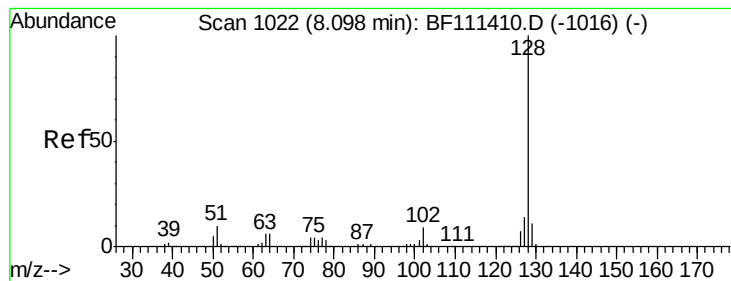
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#23
Nitrobenzene-d5
Concen: 72.223 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		614133		
128	46.9	37.4	56.2		
54	61.7	47.6	71.4		





#31

Naphthalene

Concen: 151.771 ng

RT: 8.10 min Scan# 1023

Delta R.T. 0.01 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Instrument :

BNA_F

ClientSampleId :

TP-3-A

Tot Ion:128 Resp: 3594491

Ion Ratio Lower Upper

128 100

129 12.3 9.8 14.8

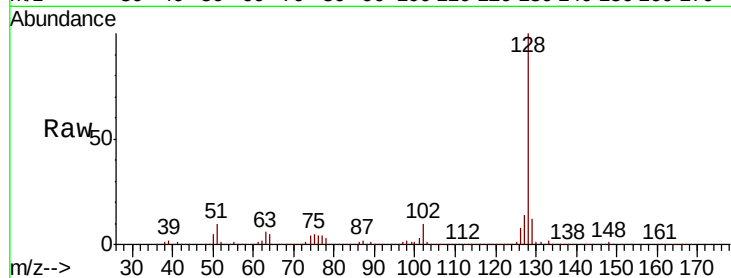
127 14.3 12.0 18.0

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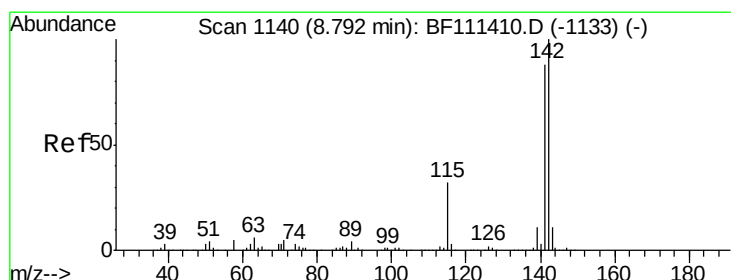
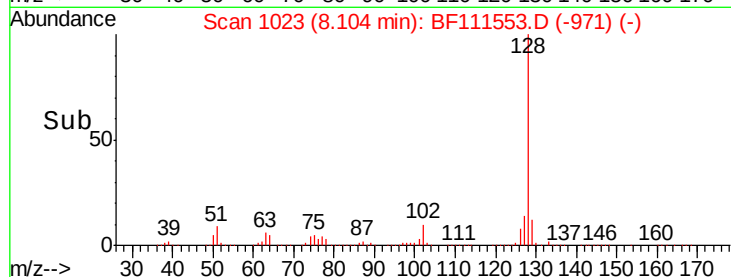
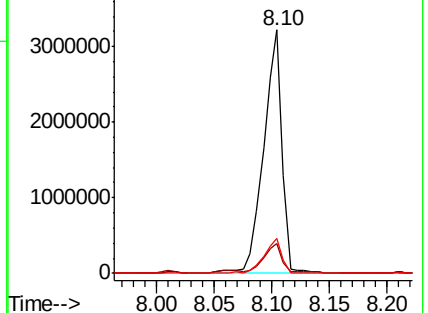
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 285.758 ng

RT: 8.81 min Scan# 1143

Delta R.T. 0.02 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

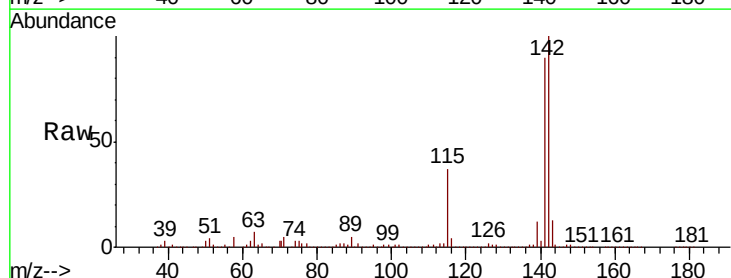
Tgt Ion:142 Resp: 4579633

Ion Ratio Lower Upper

142 100

141 90.5 70.6 105.8

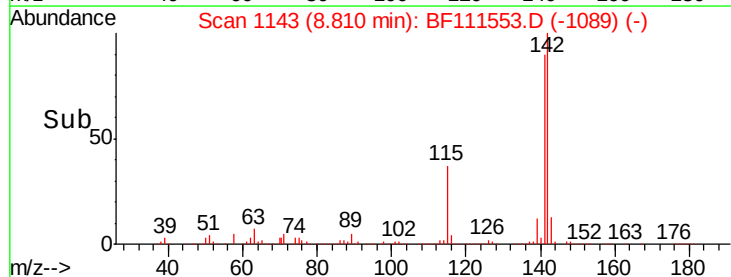
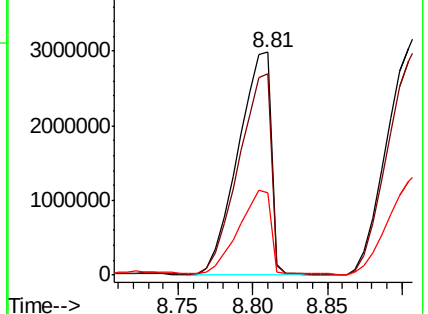
115 37.0 27.0 40.6

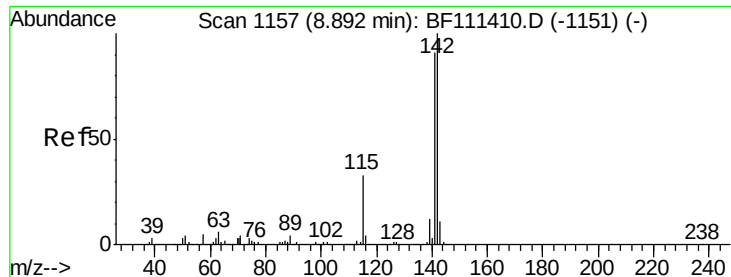


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





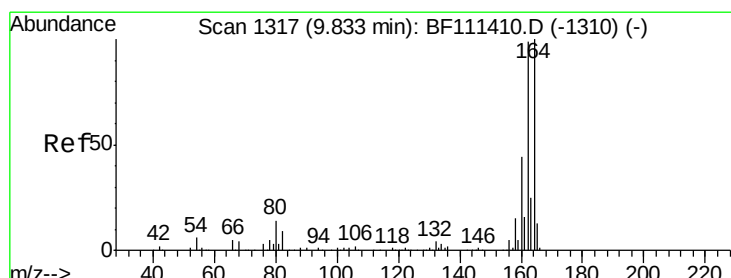
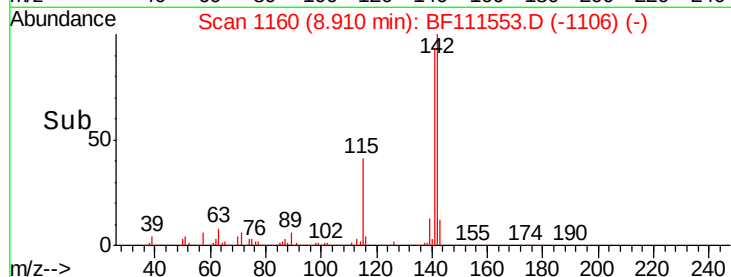
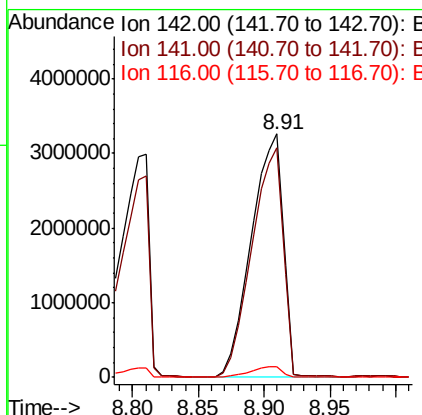
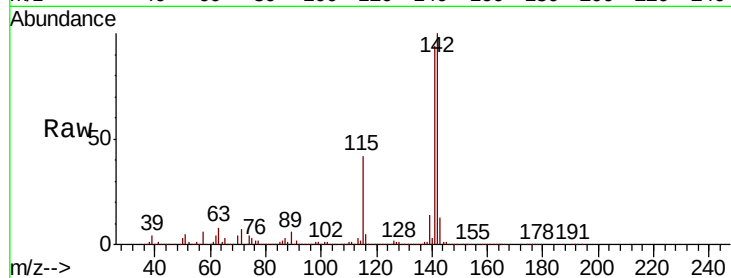
#38
1-Methylnaphthalene
Concen: 350.148 ng m
RT: 8.91 min Scan# 1160
Delta R.T. 0.02 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Instrument :
BNA_F
ClientSampled :
TP-3-A

Tot Ion:142 Resp: 5421211
Ion Ratio Lower Upper
142 100
141 94.1 74.2 111.4
116 4.6 2.9 4.3#

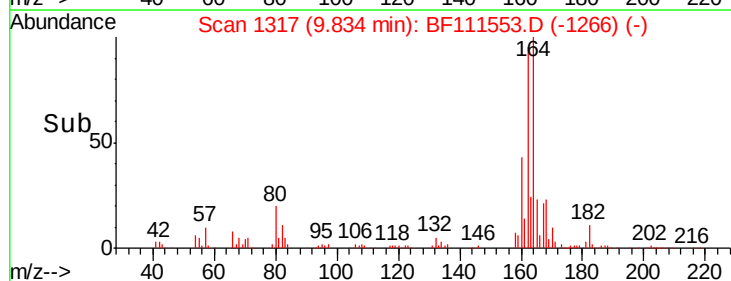
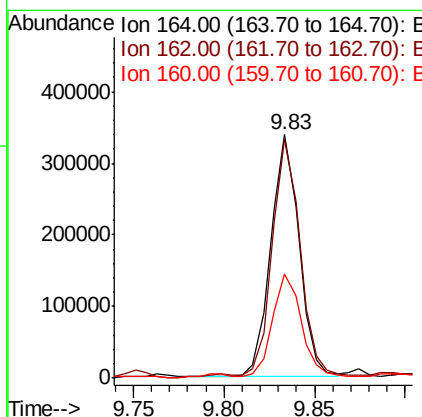
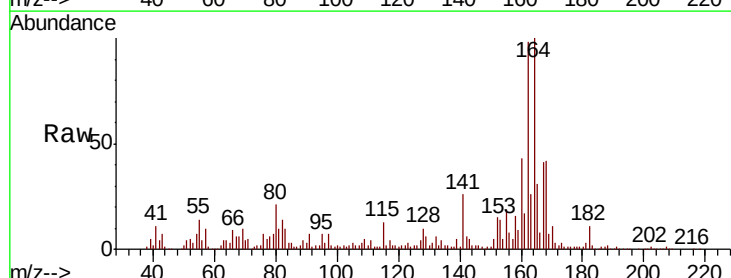
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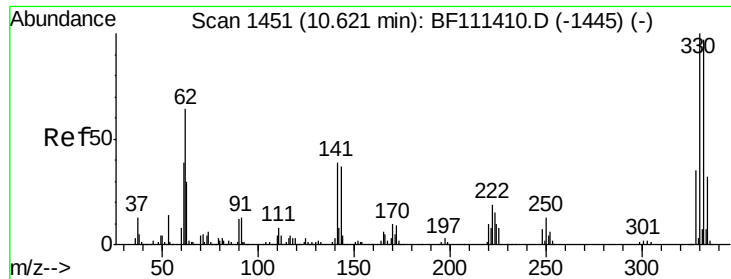
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Tgt Ion:164 Resp: 368247
Ion Ratio Lower Upper
164 100
162 97.9 81.4 122.0
160 42.5 35.7 53.5





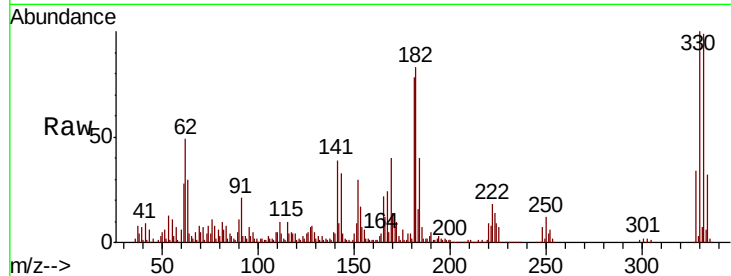
#42
 2,4,6-Tribromophenol
 Concen: 79.058 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Instrument :
 BNA_F
 ClientSampled :
 TP-3-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	260791		
332	97.2	76.0	114.0	
141	43.7	31.0	46.6	

Manual Integrations
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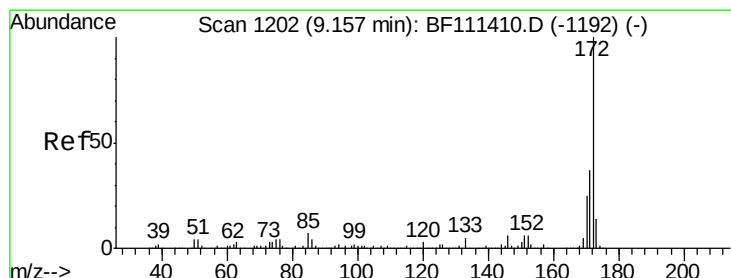
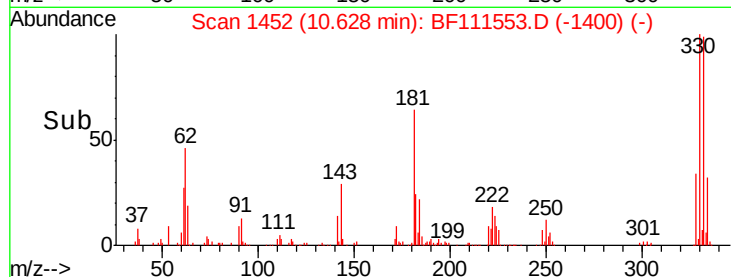
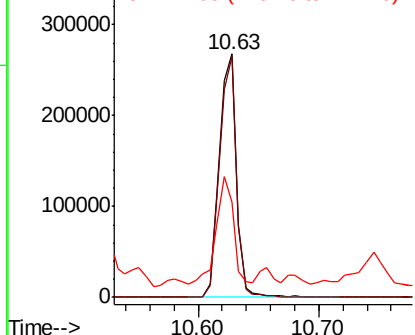


Abundance

Ion 329.80 (329.50 to 330.50): E

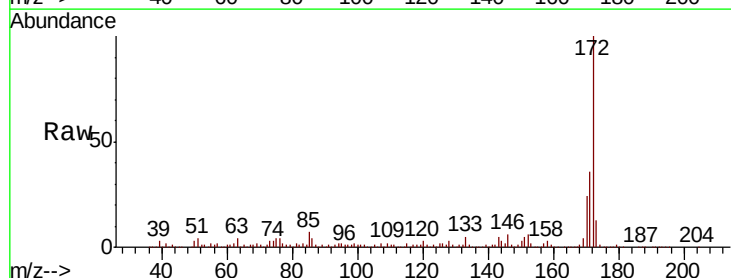
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 64.160 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1529600		
171	36.2	33.0	49.4	
170	23.9	22.3	33.5	

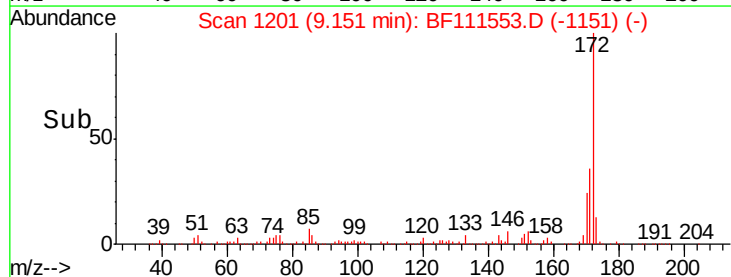
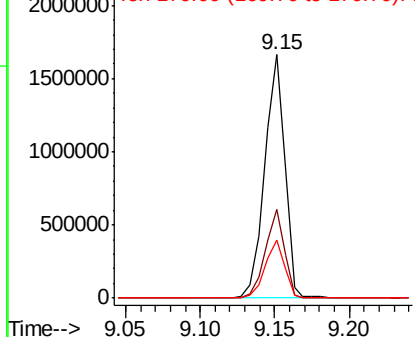


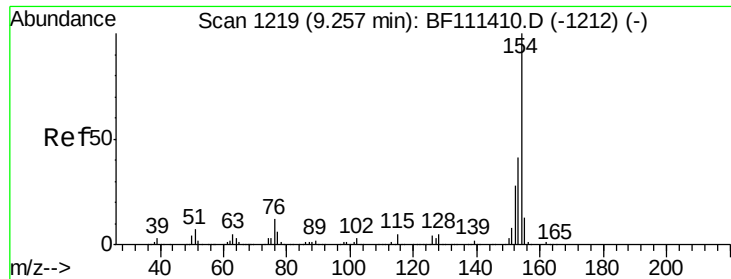
Abundance

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





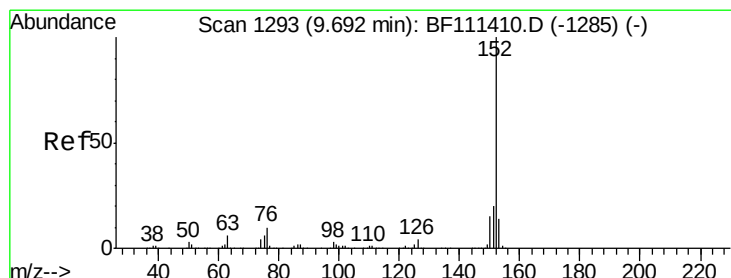
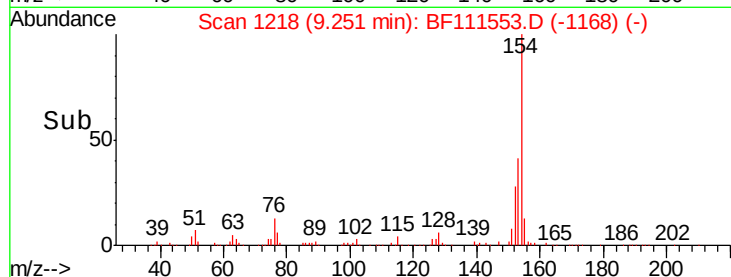
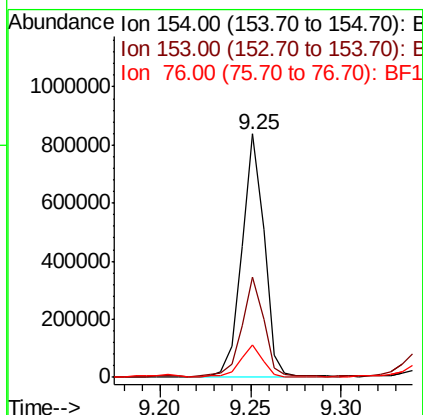
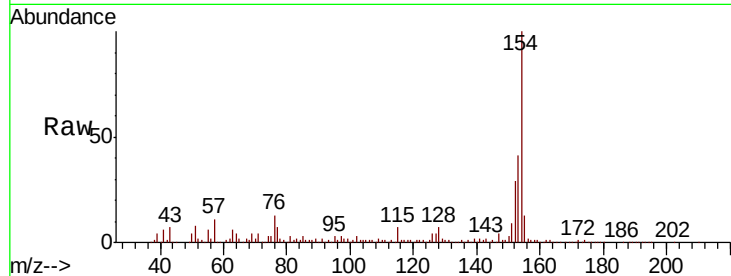
#46
 1,1'-Biphenyl
 Concen: 22.987 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-A

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.1	23.7	63.7
76	13.1	0.0	35.0

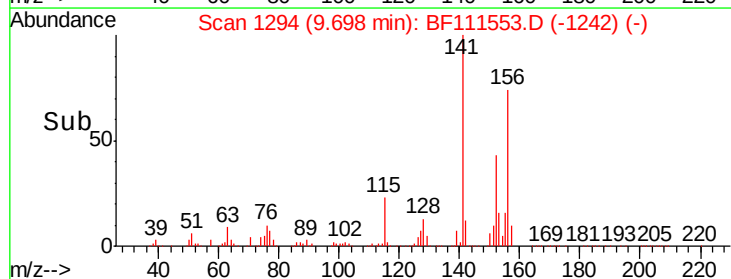
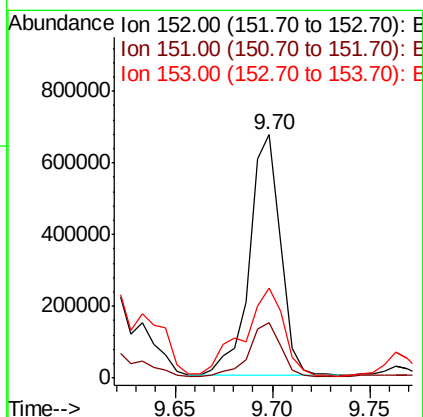
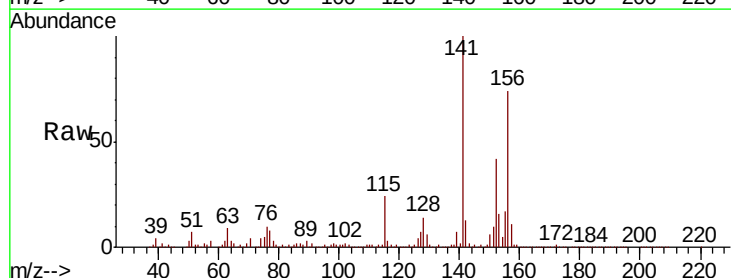
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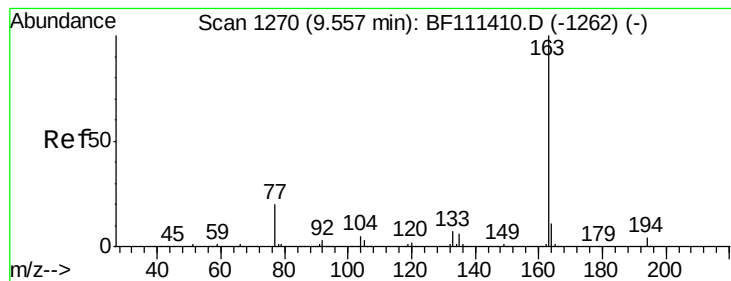
Sohil
 12/18/2018 12:49:31 PM



#49
 Acenaphthylene
 Concen: 20.919 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.0	18.0	27.0
153	37.0	12.3	18.5#





#50

Dimethylphthalate

Concen: 11.090 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Instrument :

BNA_F

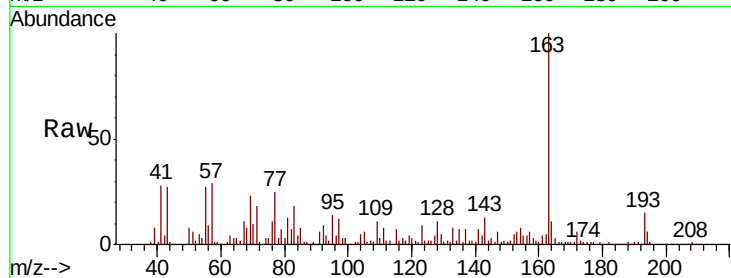
ClientSampleId :

TP-3-A

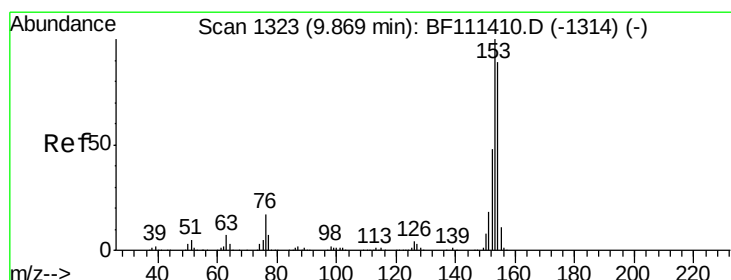
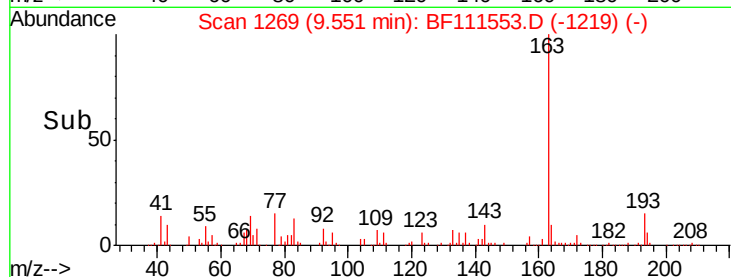
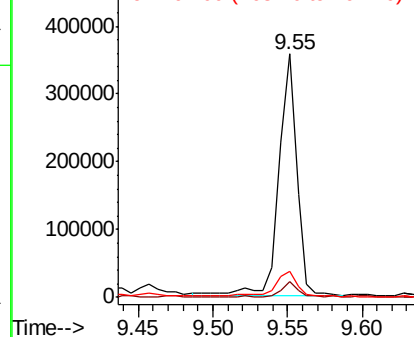
Tot Ion:	163	Resp:	294108
Ion Ratio	Lower	Upper	
163	100		
194	6.3	3.0	4.6#
164	10.8	8.9	13.3

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#52

Acenaphthene

Concen: 174.207 ng

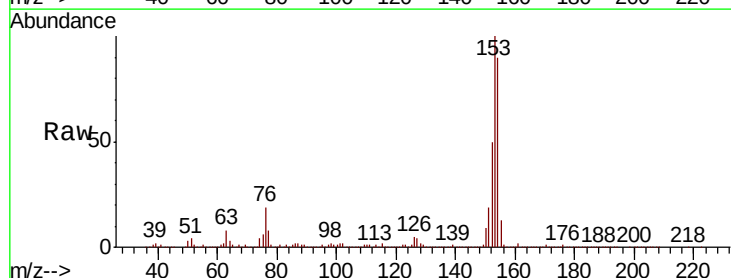
RT: 9.89 min Scan# 1326

Delta R.T. 0.02 min

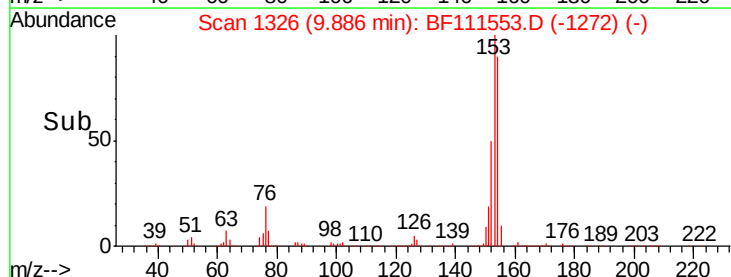
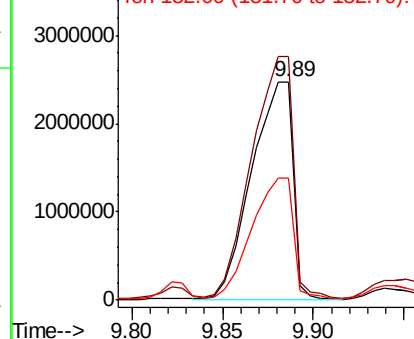
Lab File: BF111553.D

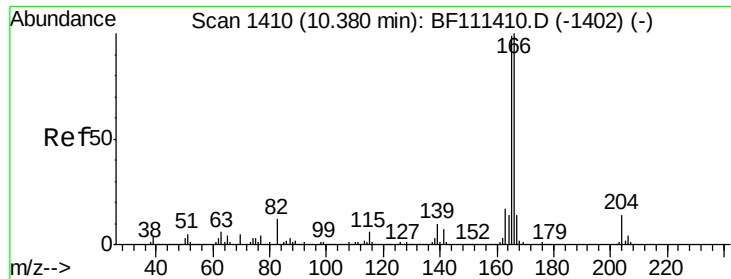
Acq: 17 Dec 2018 21:49

Tgt Ion:	154	Resp:	3876294
Ion Ratio	Lower	Upper	
154	100		
153	111.2	87.8	131.8
152	56.0	43.4	65.2



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





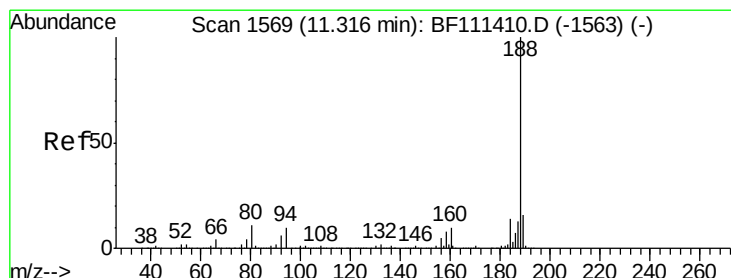
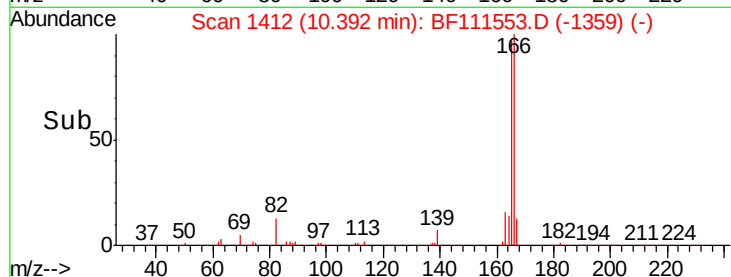
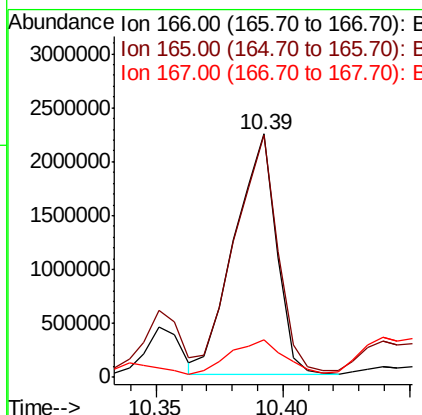
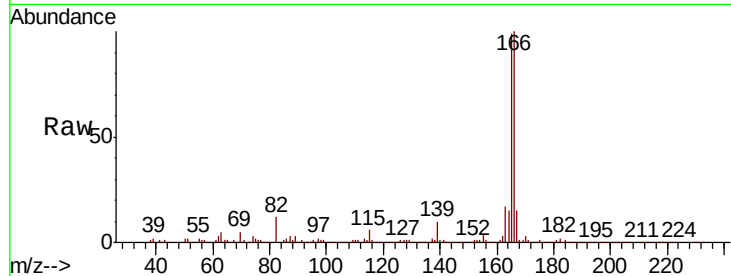
#58
 Fluorene
 Concen: 109.669 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. 0.01 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-A

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	99.4	78.4	117.6	
167	15.3	11.2	16.8	

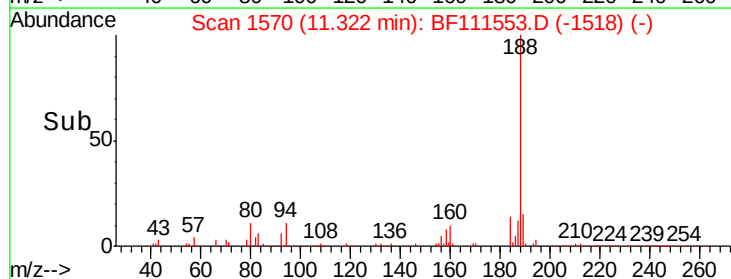
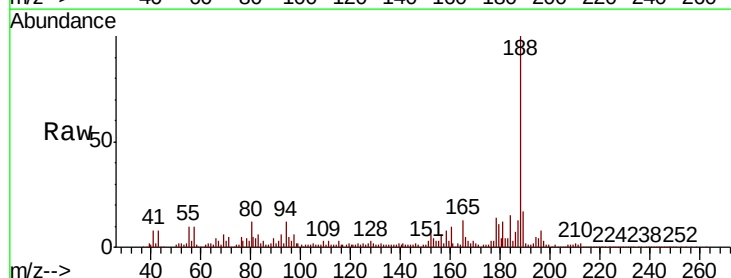
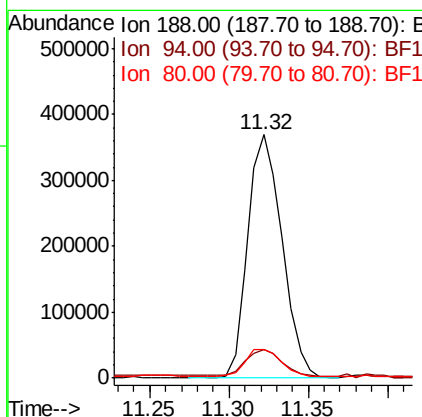
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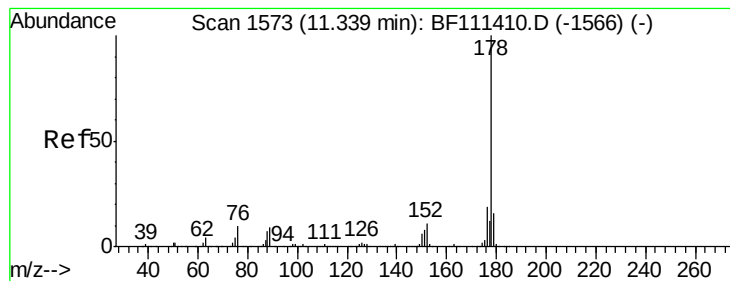
Sohil
 12/18/2018 12:49:31 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	11.9	9.6	14.4	
80	11.7	9.8	14.6	





#71

Phenanthrene

Concen: 247.663 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.03 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Instrument :

BNA_F

ClientSampleId :

TP-3-A

Tot Ion:178 Resp: 7041839

Ion Ratio Lower Upper

178 100

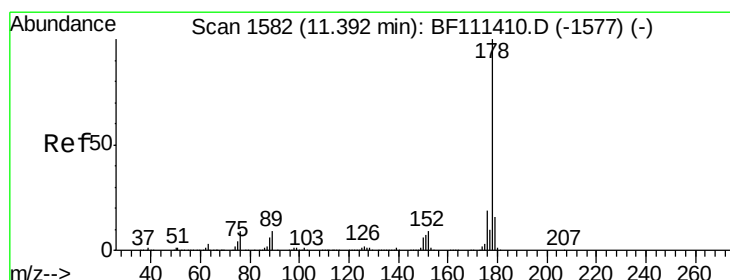
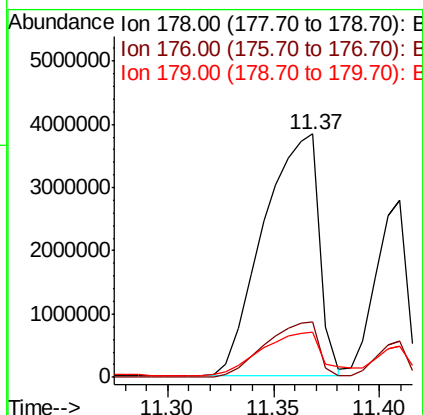
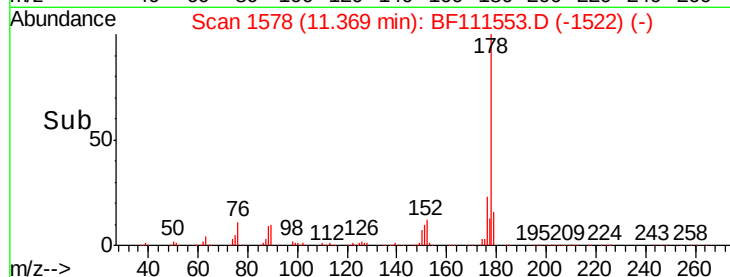
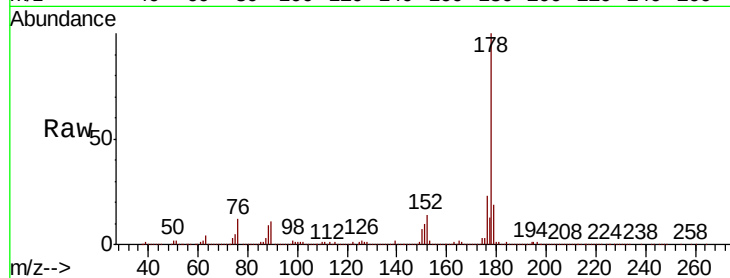
176 22.9 18.1 27.1

179 18.8 14.0 21.0

Manual Integrations
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#72

Anthracene

Concen: 101.002 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.02 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

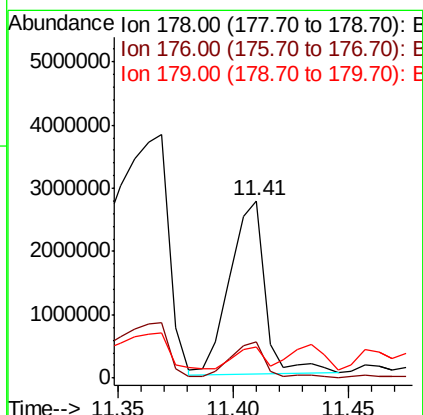
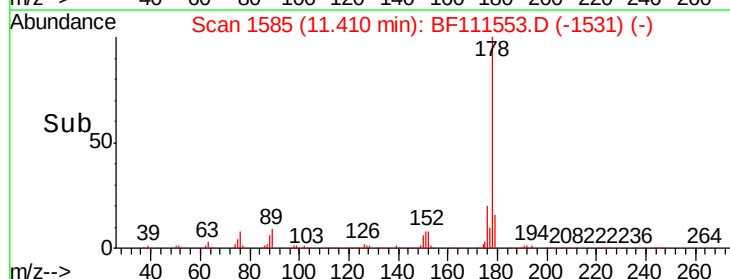
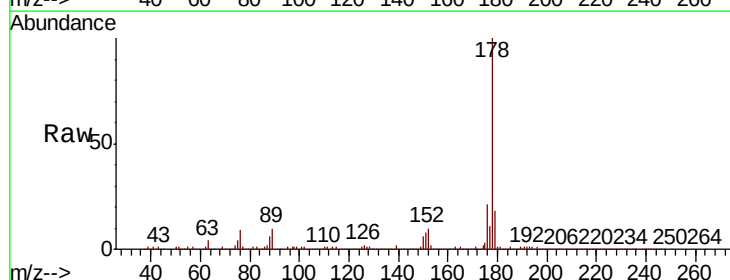
Tgt Ion:178 Resp: 2936964

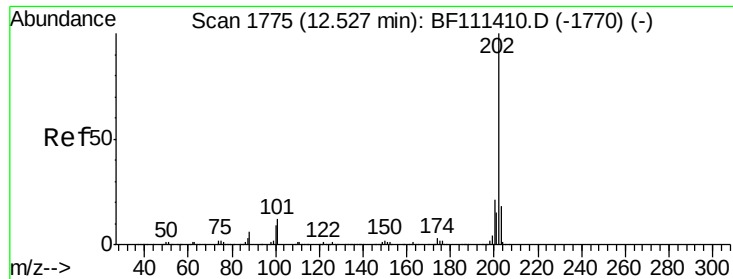
Ion Ratio Lower Upper

178 100

176 20.6 17.2 25.8

179 17.8 13.8 20.8





#75

Fluoranthene

Concen: 88.795 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.02 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Instrument :

BNA_F

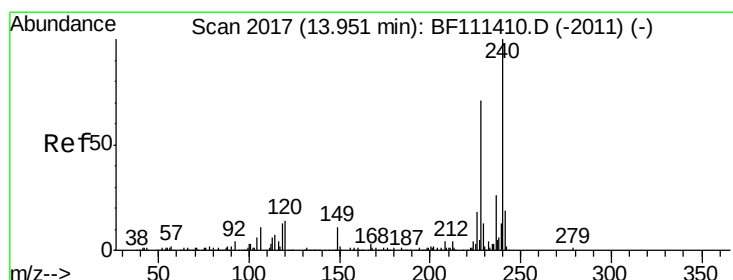
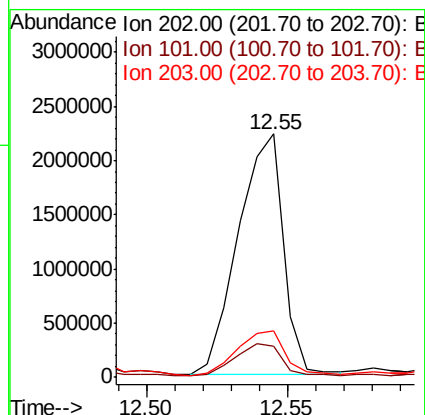
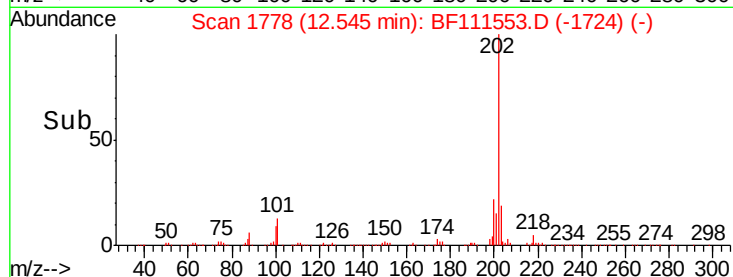
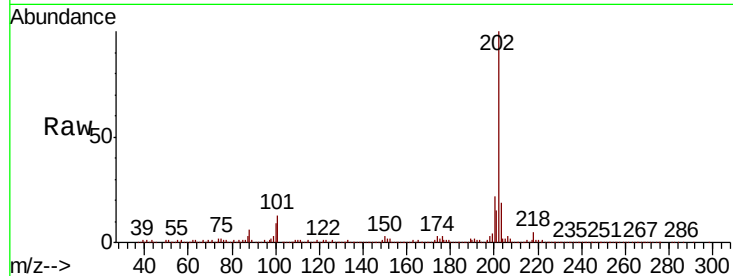
ClientSampleId :

TP-3-A

Tot Ion:	202	Resp:	2469929
Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.8
203	19.1	0.0	38.6

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

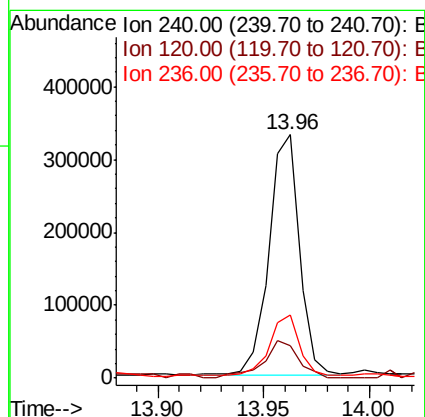
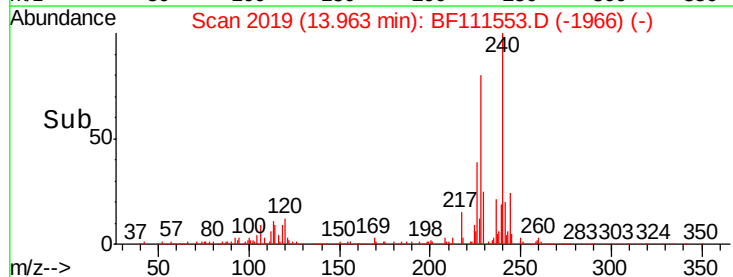
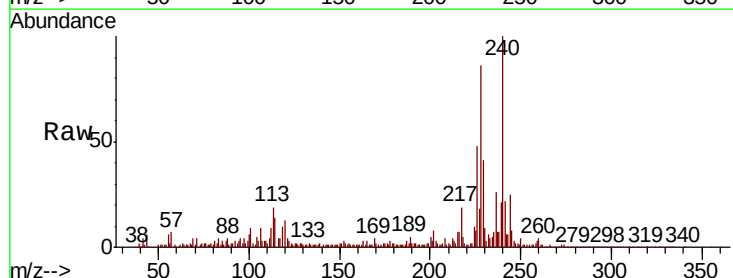
RT: 13.96 min Scan# 2019

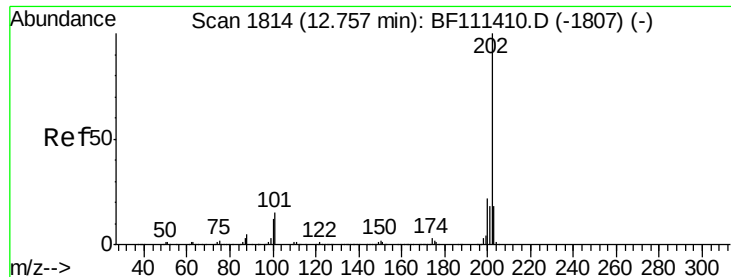
Delta R.T. 0.01 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Tgt Ion:	240	Resp:	330428
Ion	Ratio	Lower	Upper
240	100		
120	13.3	12.2	18.2
236	26.1	20.2	30.2





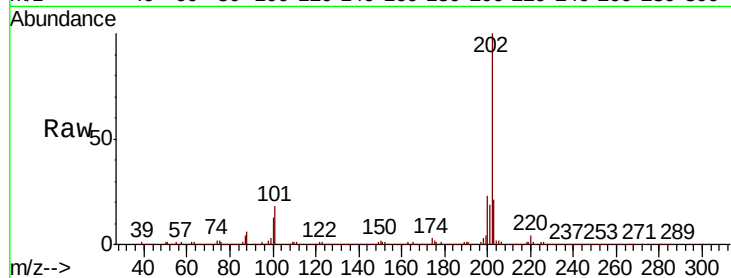
#78
Pvrene
Concen: 160.688 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.02 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Instrument :
BNA_F
ClientSampled :
TP-3-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.1	19.0	28.4
203	20.6	15.2	22.8

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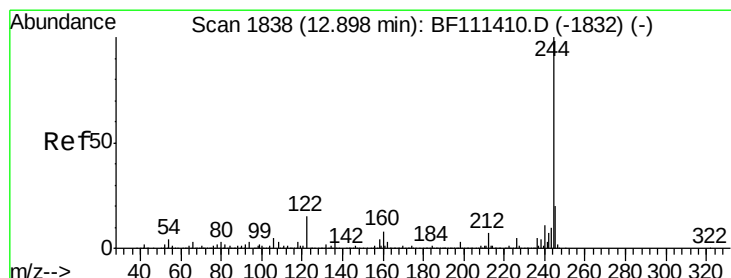
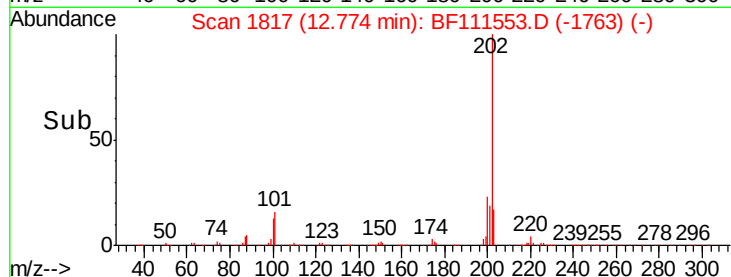
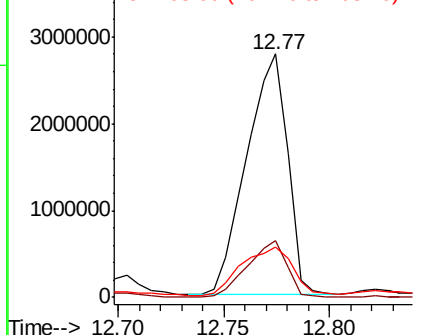


Abundance

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



#79
Terphenyl-d14
Concen: 71.797 ng
RT: 12.90 min Scan# 1839
Delta R.T. 0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

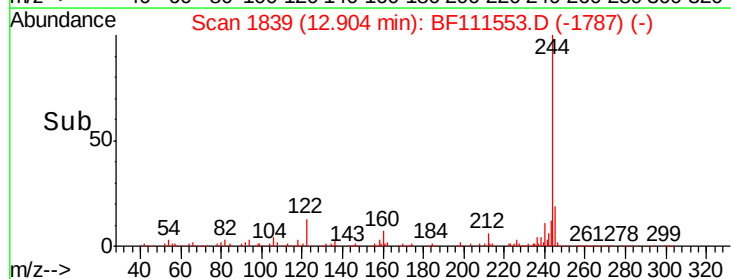
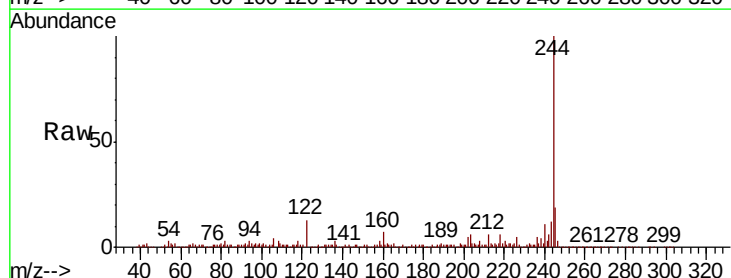
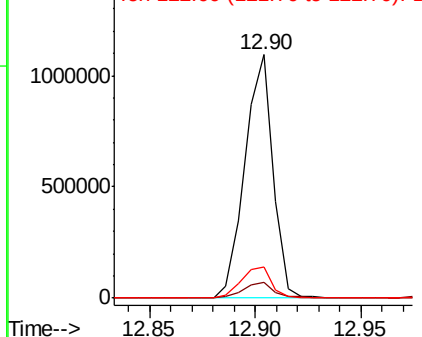
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	12.8	13.1	19.7#

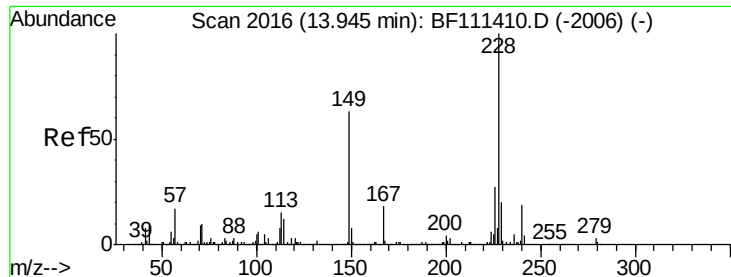
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 85.244 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Instrument :

BNA_F

ClientSampled :

TP-3-A

Tot Ion:228 Resp: 1531551

Ion Ratio Lower Upper

228 100

226 40.3 22.6 34.0#

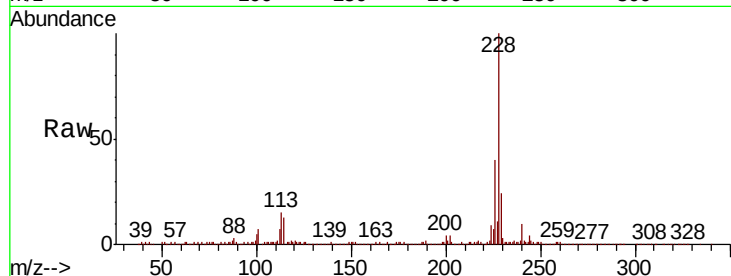
229 24.1 16.3 24.5

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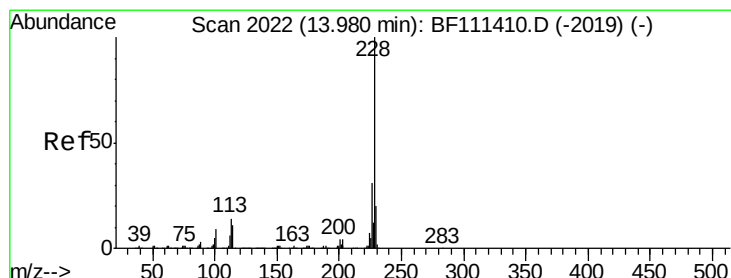
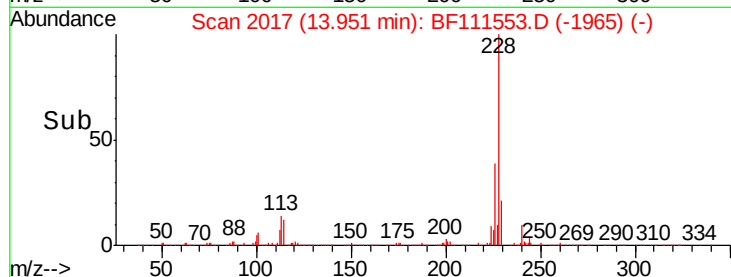
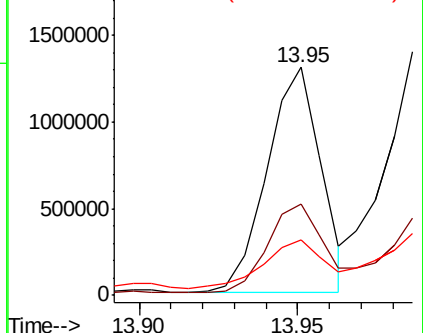
12/18/2018 12:49:31 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 91.280 ng m

RT: 13.99 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Tgt Ion:228 Resp: 1727648

Ion Ratio Lower Upper

228 100

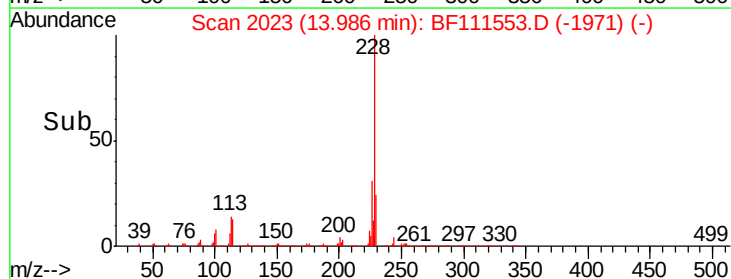
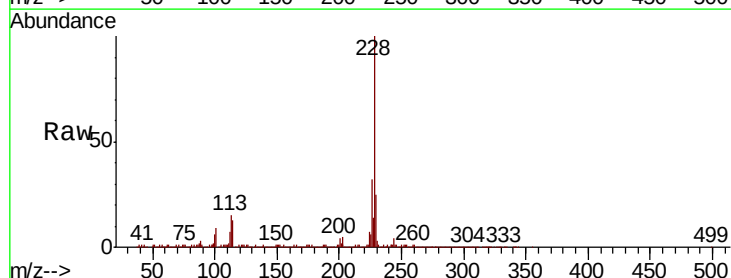
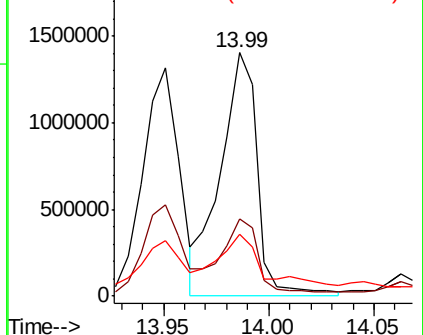
226 31.8 25.3 37.9

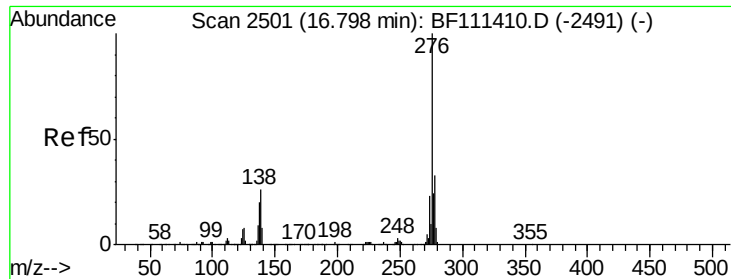
229 25.5 17.2 25.8

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





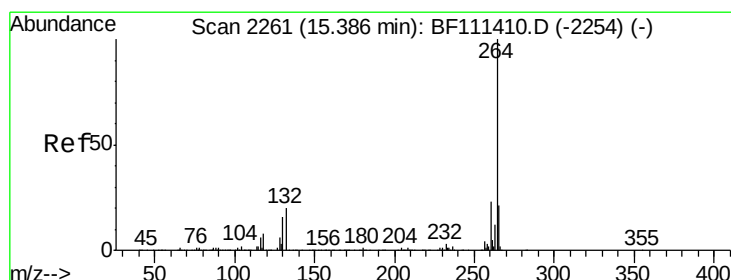
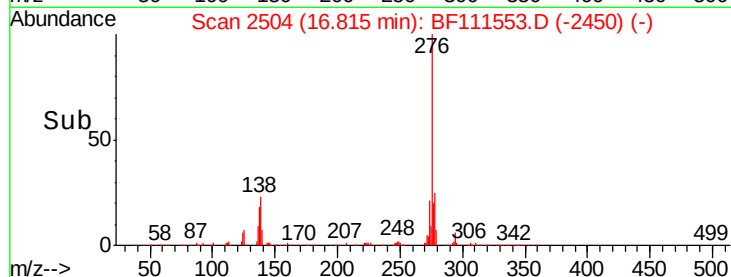
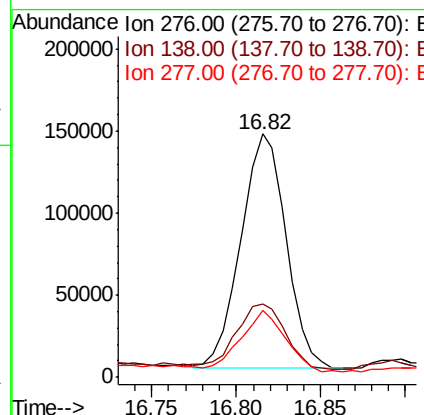
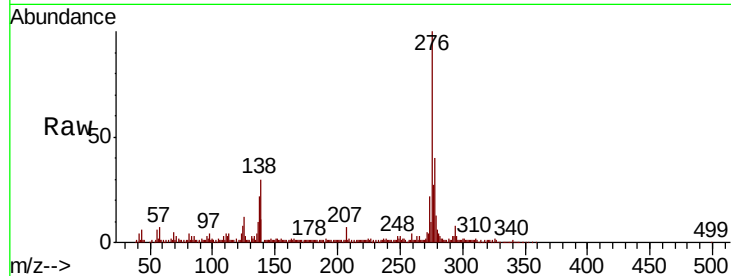
#86
Indeno(1,2,3-cd)pyrene
Concen: 19.485 ng
RT: 16.82 min Scan# 2504
Delta R.T. 0.02 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Instrument :
BNA_F
ClientSampled :
TP-3-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.9	27.8	41.6
277	25.9	20.1	30.1

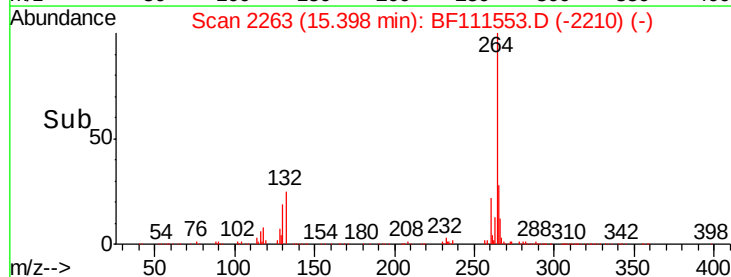
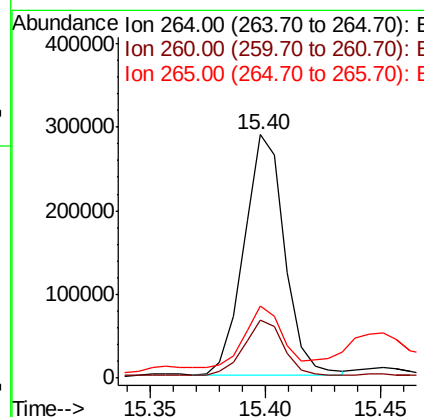
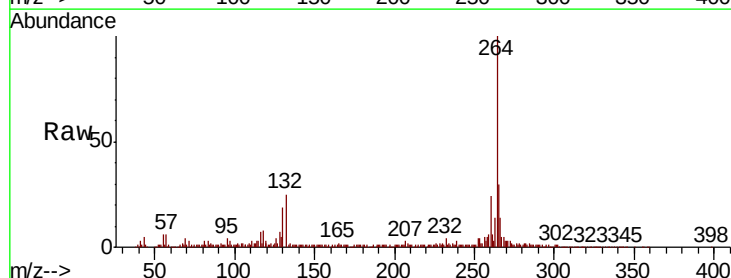
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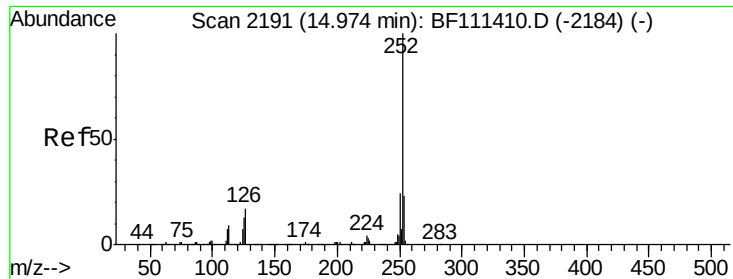
Sohil
12/18/2018 12:49:31 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.3	27.5
265	29.7	17.7	26.5





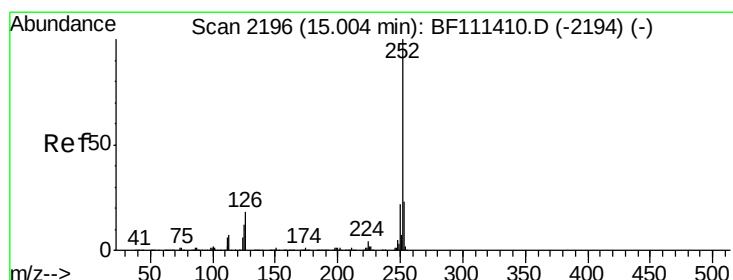
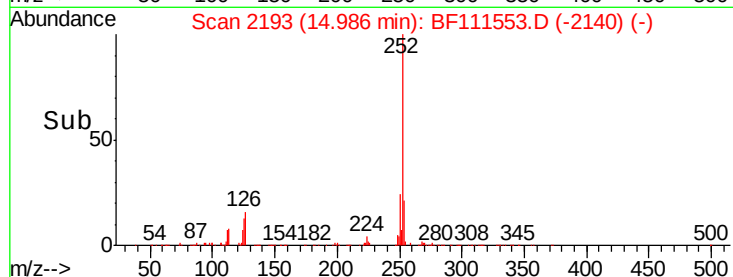
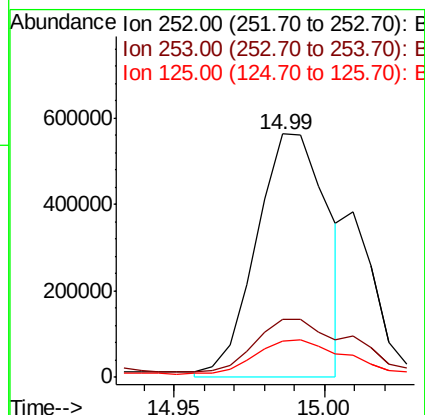
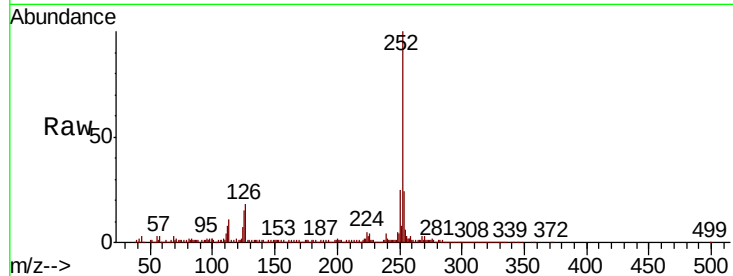
#88
Benzo(b)fluoranthene
Concen: 45.429 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Instrument :
BNA_F
ClientSampleId :
TP-3-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	14.8	10.4	15.6

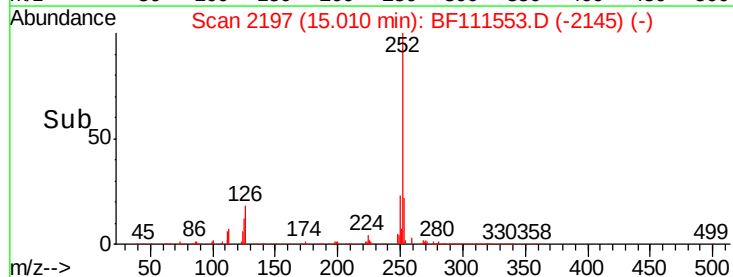
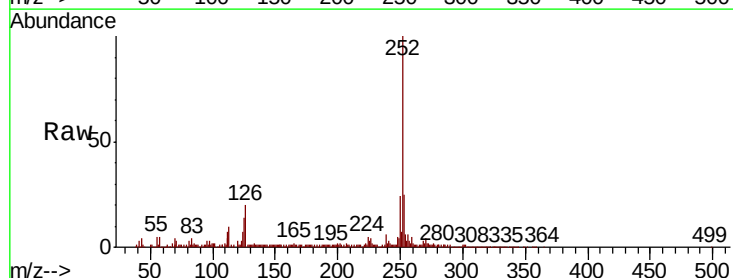
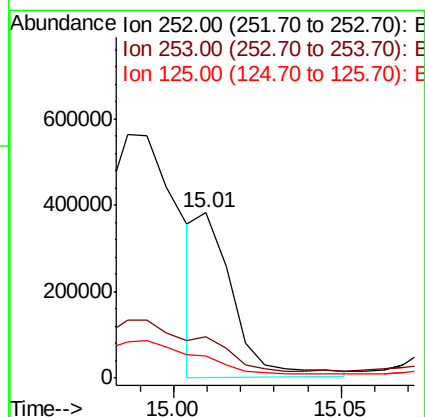
Manual Integrations
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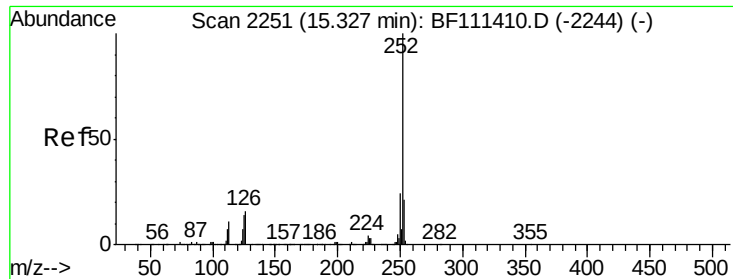
Sohil
12/18/2018 12:49:31 PM



#89
Benzo(k)fluoranthene
Concen: 14.696 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.1	27.1
125	13.7	9.8	14.8





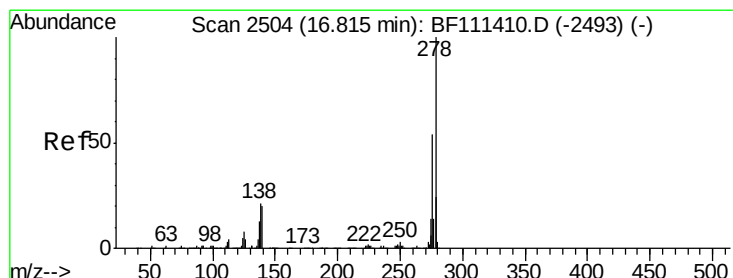
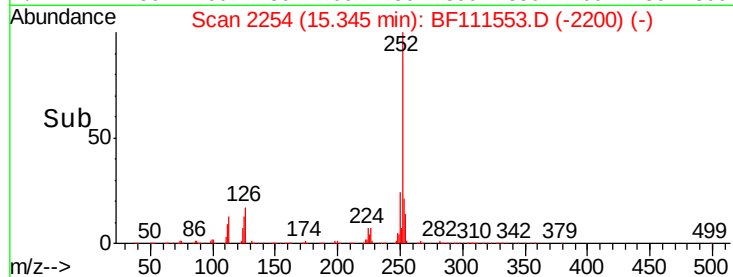
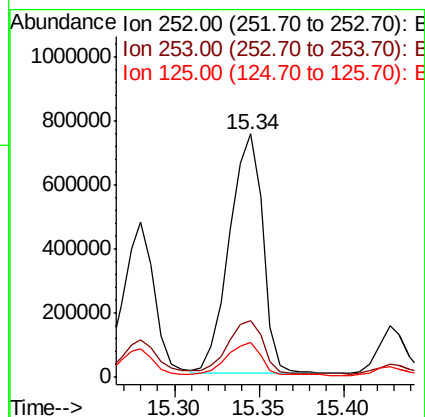
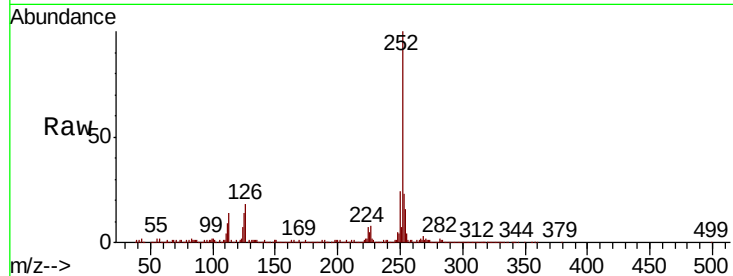
#90
Benzo(a)pyrene
Concen: 55.671 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.02 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Instrument :
BNA_F
ClientSampleId :
TP-3-A

Tot Ion	Ion	Ratio	Lower	Upper
252	100			
253	23.1	17.8	26.8	
125	14.3	12.3	18.5	

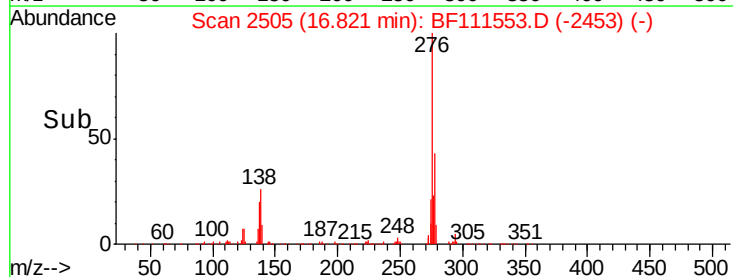
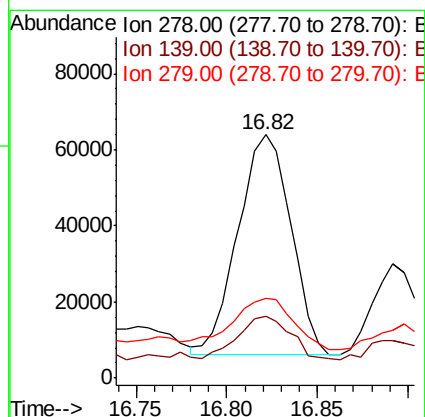
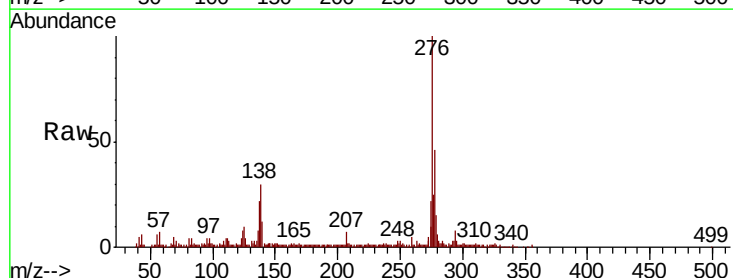
Manual Integrations
APPROVED

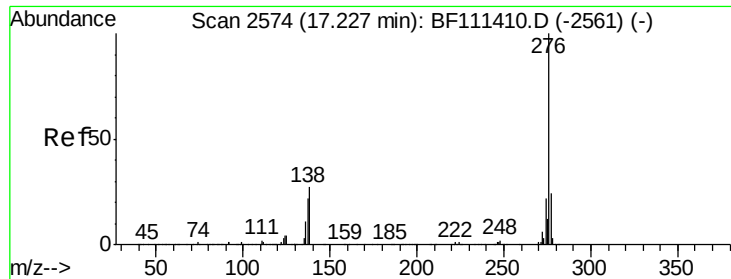
Sohil
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#91
Dibenzo(a,h)anthracene
Concen: 8.058 ng
RT: 16.82 min Scan# 2505
Delta R.T. 0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Tgt Ion	Ion	Ratio	Lower	Upper
278	100			
139	25.3	18.2	27.4	
279	32.5	19.0	28.6#	





#92
 Benzo(a,h,i)perylene
 Concen: 18.352 ng
 RT: 17.24 min Scan# 2577
 Delta R.T. 0.02 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-A

Tot Ion:	276	Resp:	263283
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.2	28.8
138	29.7	24.9	37.3

Manual Integrations
 APPROVED

Sohil
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