

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
 Data File : BF118136.D
 Acq On : 7 Dec 2019 18:30
 Operator : JU
 Sample : K6147-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC003

Manual Integrations
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mohammad
 12/10/2019 11:47:46 AM

Quant Time: Dec 11 05:42:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	121515	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	478910	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	241787	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	386449	20.00	ng	0.00
76) Chrysene-d12	14.06	240	247350	20.00	ng	-0.01
87) Perylene-d12	15.56	264	260196	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	671068	96.72	ng	0.00
7) Phenol-d6	6.50	99	959526	114.34	ng	0.00
23) Nitrobenzene-d5	7.43	82	570966	67.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	308372	104.99	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1242105	78.17	ng	0.00
79) Terphenyl-d14	13.00	244	1105899	76.88	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.17	128	387086	16.094	ng	99
37) 2-Methylnaphthalene	8.87	142	213313	13.100	ng	99
38) 1-Methylnaphthalene	8.97	142	107546	7.034	ng	99
46) 1,1'-Biphenyl	9.33	154	92547	4.853	ng	97
50) Dimethylphthalate	9.62	163	121597	6.809	ng	96
52) Acenaphthene	9.95	154	165036	11.951	ng	100
55) Dibenzofuran	10.12	168	235591	11.643	ng	99
58) Fluorene	10.46	166	94607	5.883	ng	99
68) Hexachlorobenzene	11.02	284	27613	5.318	ng	95
71) Phenanthrene	11.43	178	433827	21.118	ng	99
72) Anthracene	11.48	178	105745	5.160	ng	98
75) Fluoranthene	12.62	202	239674	11.411	ng	99
78) Pvrene	12.85	202	181188	9.295	ng	99
81) Benzo(a)anthracene	14.05	228	79789	4.665	ng	# 92
83) Chrysene	14.09	228	91153	5.579	ng	# 93
84) Bis(2-ethylhexyl)phthalate	14.03	149	357021	30.671	ng	100
88) Benzo(b)fluoranthene	15.12	252	89746m	5.215	ng	
90) Benzo(a)pyrene	15.49	252	53510	3.521	ng	# 77
92) Benzo(a,h,i)perylene	17.52	276	29262	2.336	ng	# 88

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

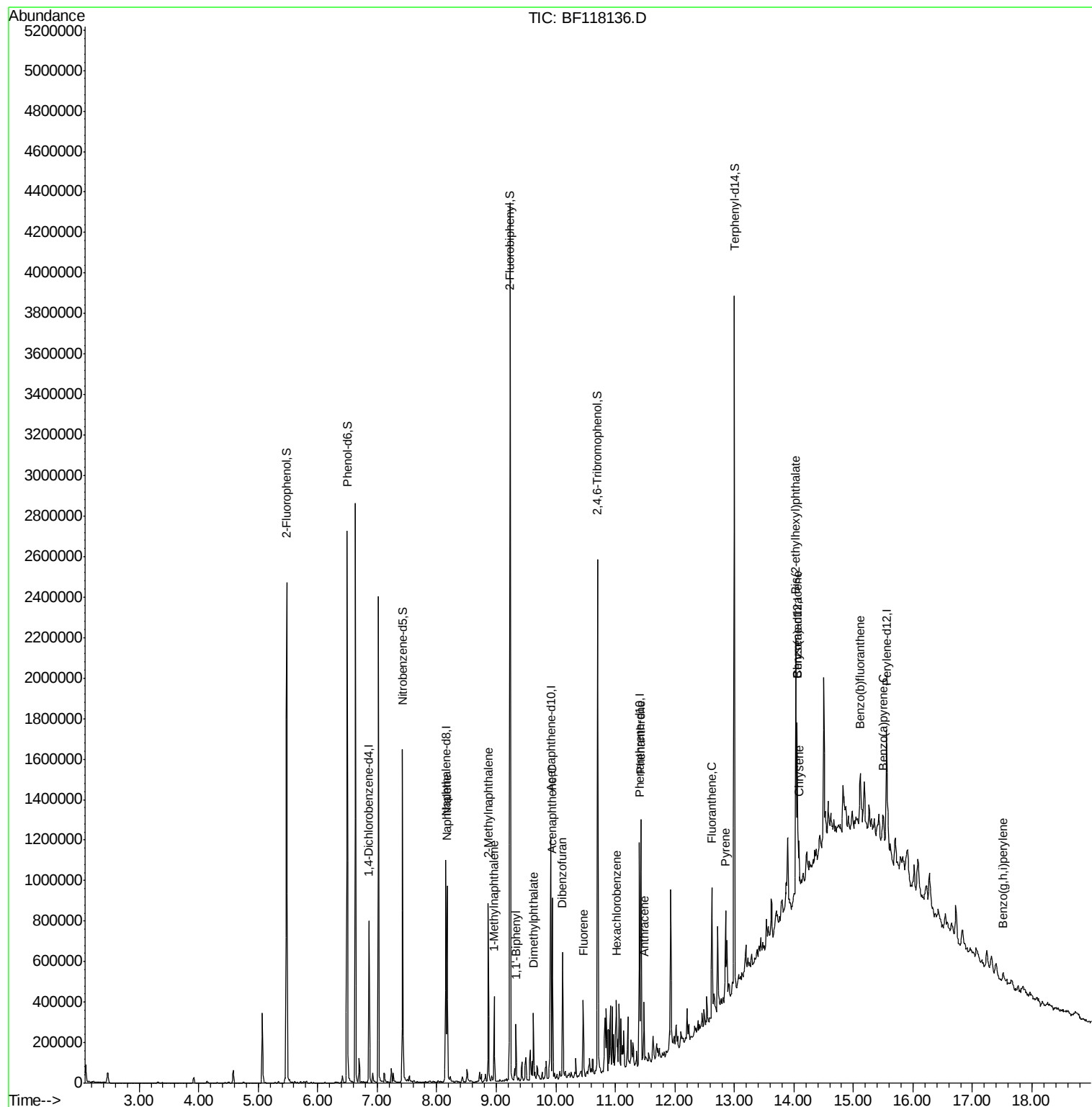
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118136.D
Acq On : 7 Dec 2019 18:30
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Sample : K6147-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

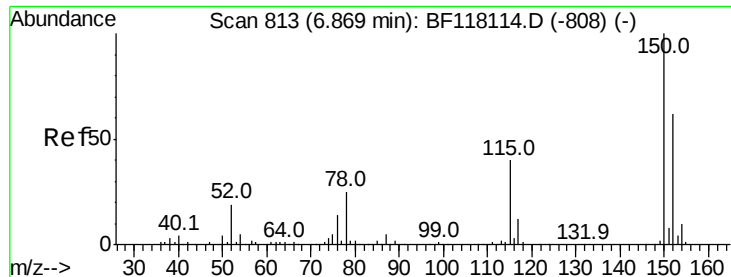
Instrument :
BNA_F
ClientSampled :
P001-WC003

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Quant Time: Dec 11 05:42:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 06 17:34:43 2019
Response via : Initial Calibration





#1

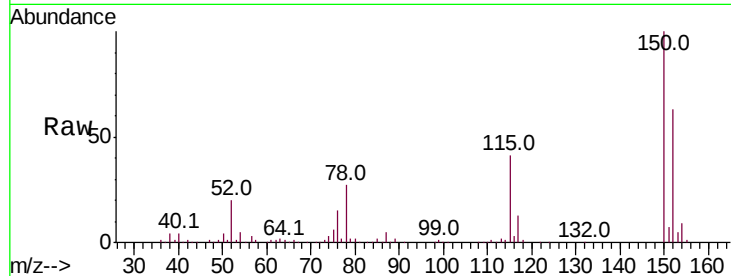
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Instrument :
BNA_F
ClientSampleId :
P001-WC003

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	128.3	192.5
115	64.5	51.1	76.7

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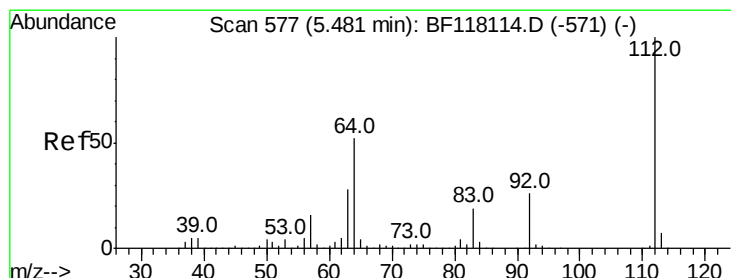
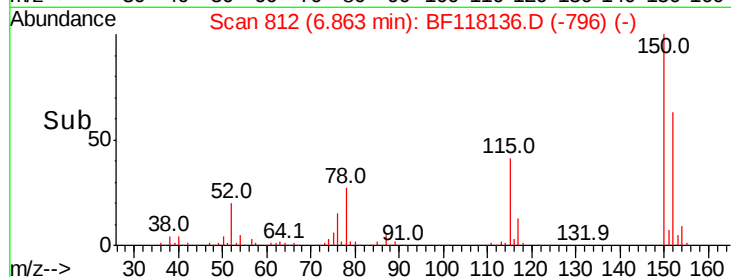
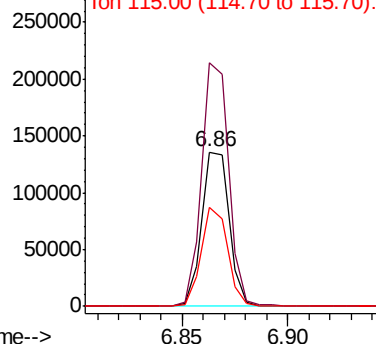


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

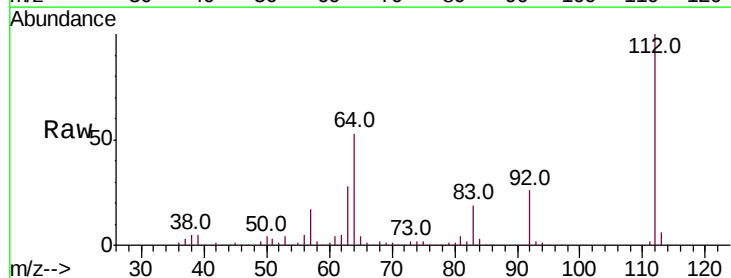
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.725 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	41.3	61.9
63	28.2	22.4	33.6

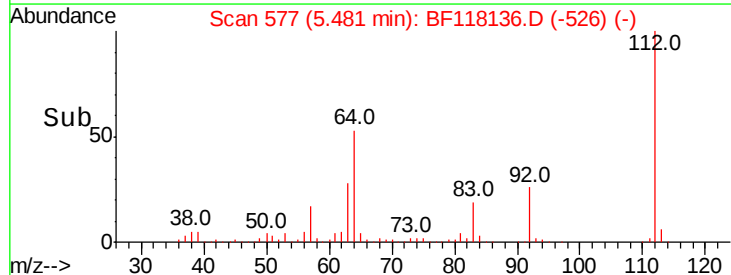
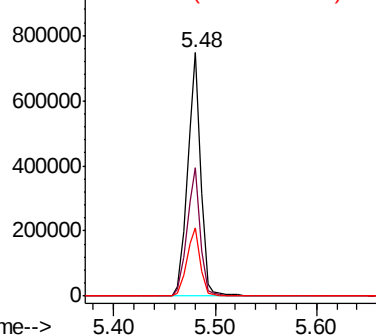


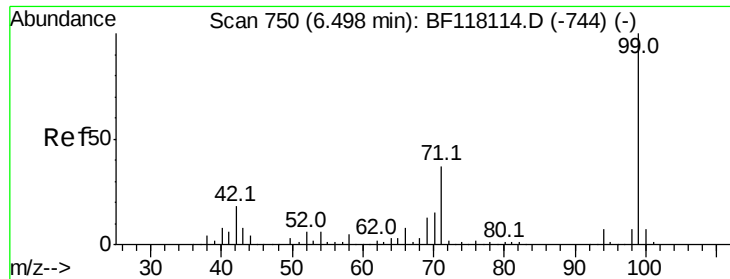
Abundance

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: 114.344 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118136.D

Acq: 7 Dec 2019 18:30

Instrument :

BNA_F

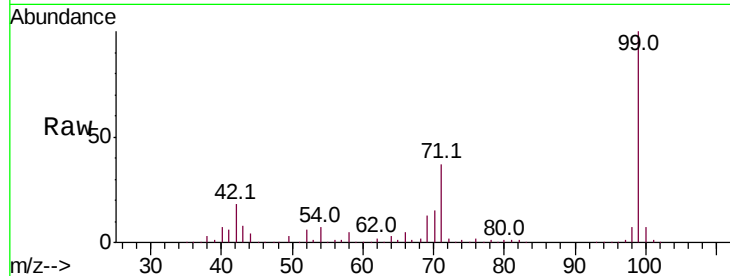
ClientSampleId :

P001-WC003

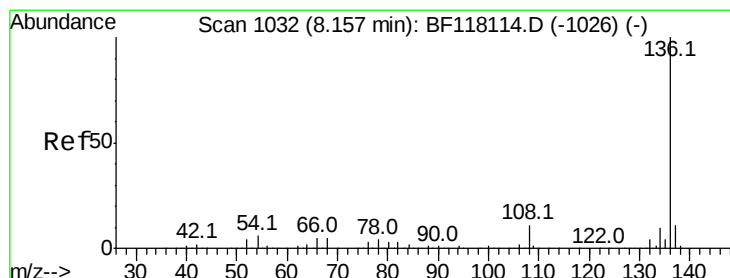
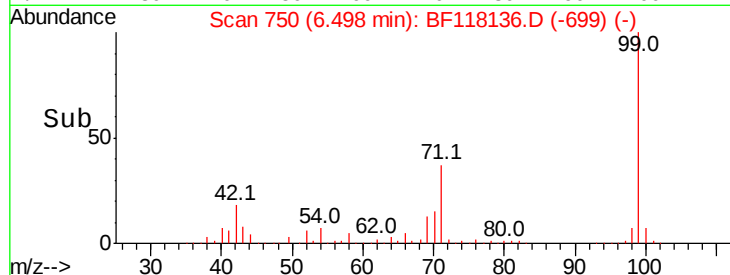
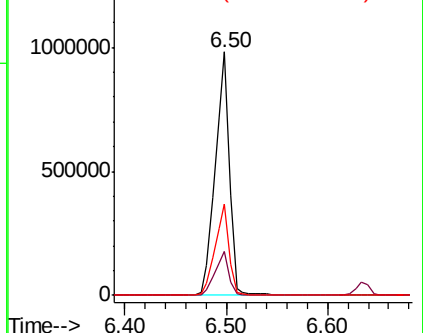
Tot Ion:	99	Resp:	959526
Ion Ratio	Lower	Upper	
99	100		
42	17.8	14.1	21.1
71	37.3	29.7	44.5

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

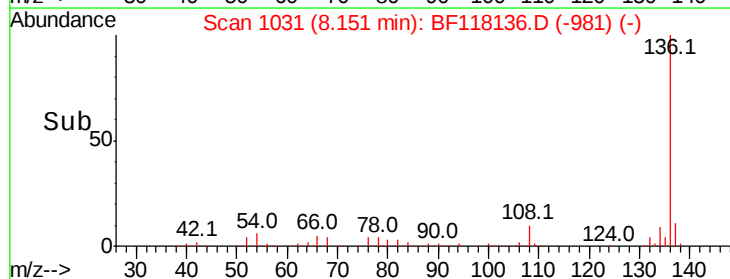
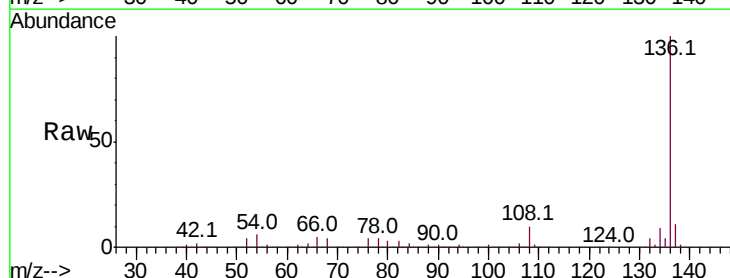
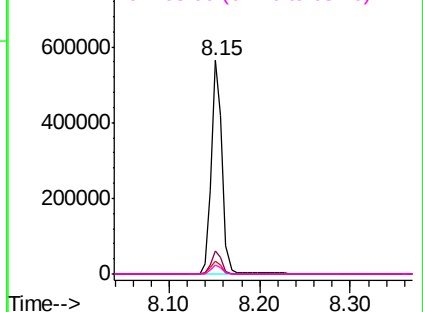
Delta R.T. -0.01 min

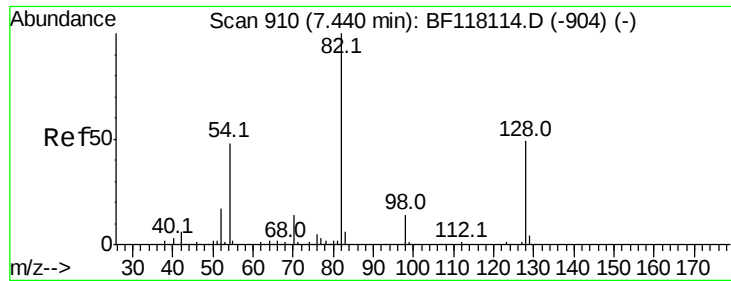
Lab File: BF118136.D

Acq: 7 Dec 2019 18:30

Tgt Ion:	136	Resp:	478910
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.6
54	6.2	5.0	7.6
68	4.5	3.8	5.8

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





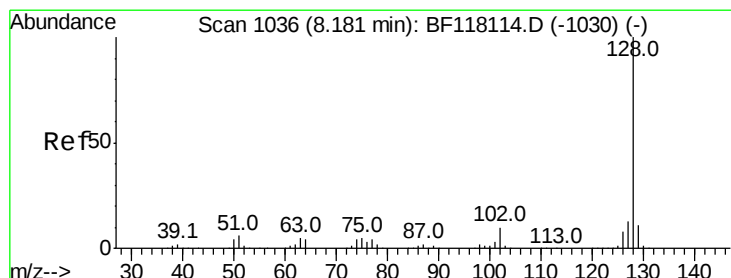
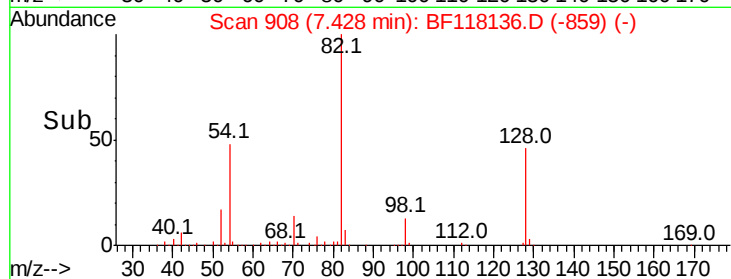
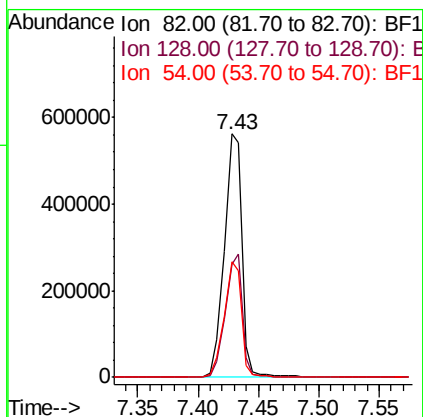
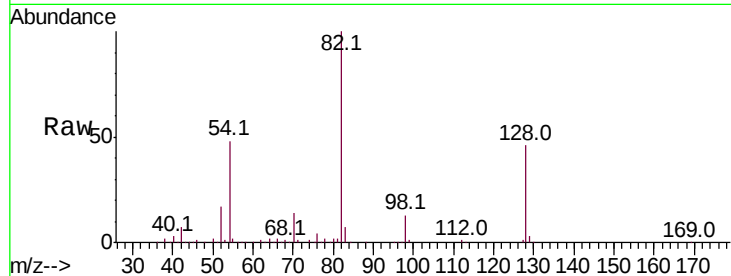
#23
Nitrobenzene-d5
Concen: 67.072 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Instrument :
BNA_F
ClientSampleId :
P001-WC003

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	39.1	58.7
54	47.6	38.2	57.2

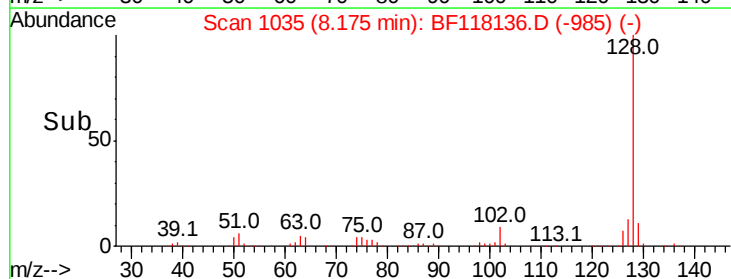
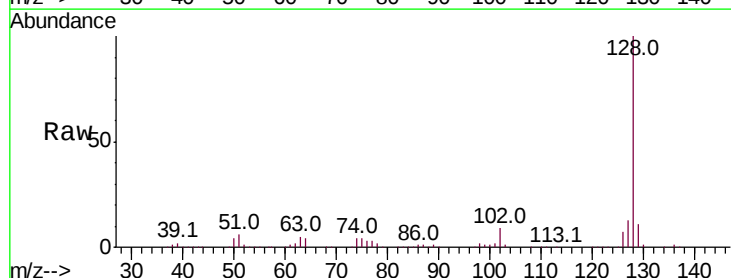
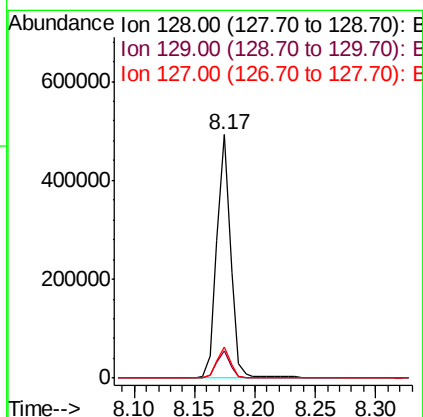
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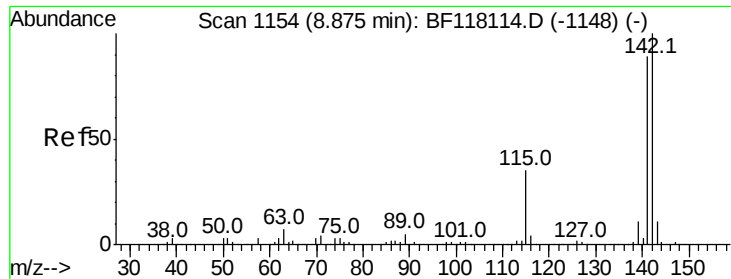
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#31
Naphthalene
Concen: 16.094 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	13.0	10.6	16.0





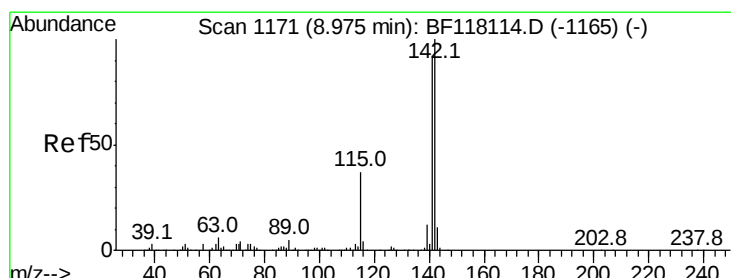
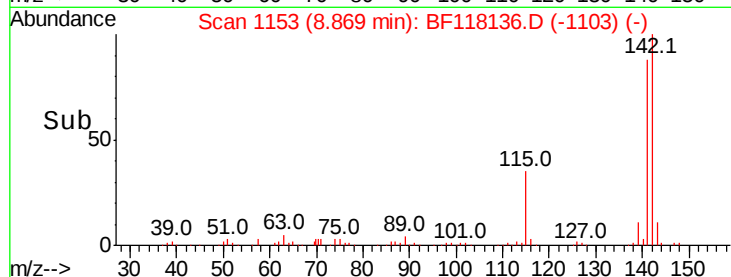
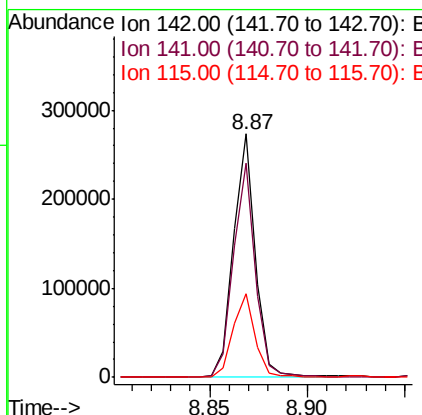
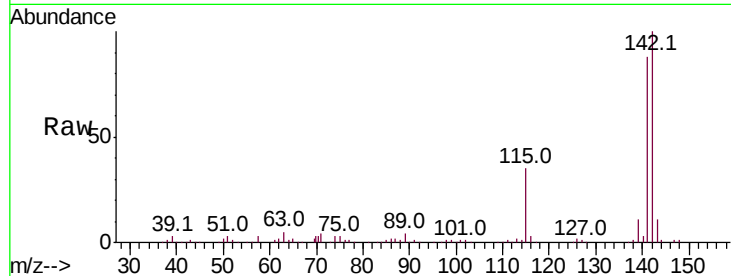
#37
2-Methylnaphthalene
Concen: 13.100 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Instrument :
BNA_F
ClientSampleId :
P001-WC003

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.4	107.0
115	34.6	28.2	42.4

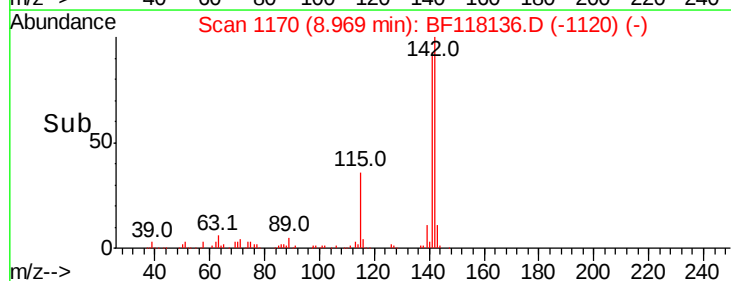
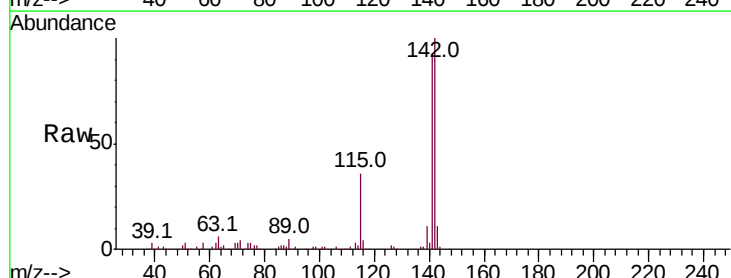
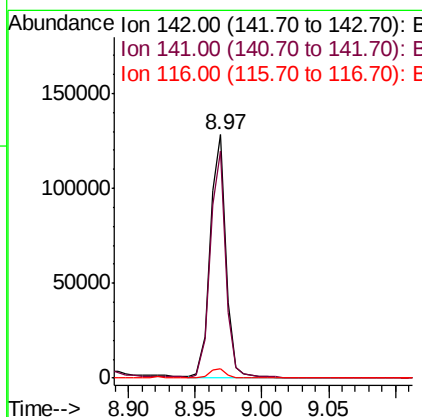
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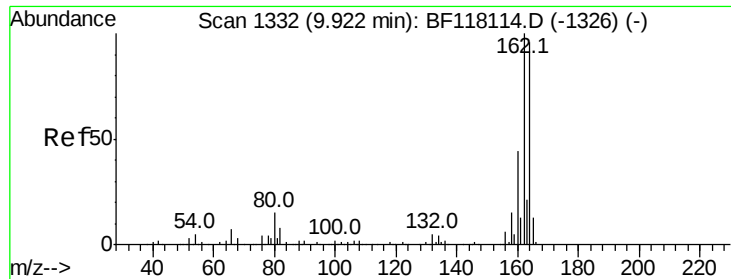
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#38
1-Methylnaphthalene
Concen: 7.034 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.0	111.0
116	3.8	3.2	4.8





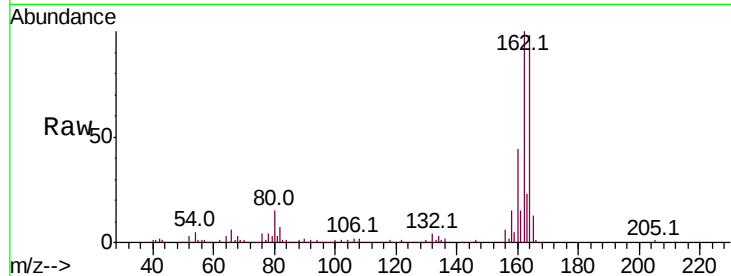
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Instrument :
BNA_F
ClientSampleId :
P001-WC003

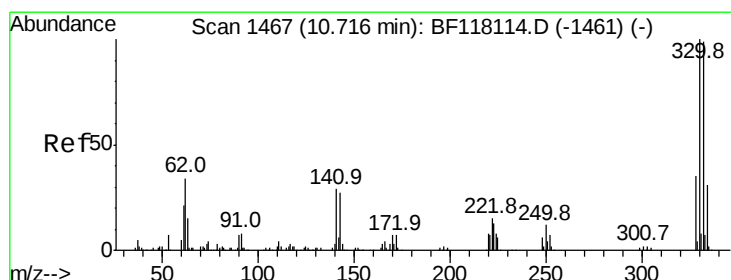
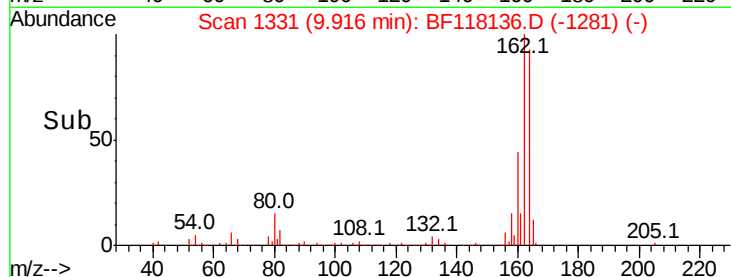
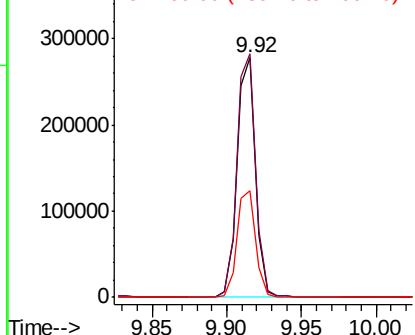
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	83.4	125.0	
160	44.6	36.6	54.8	

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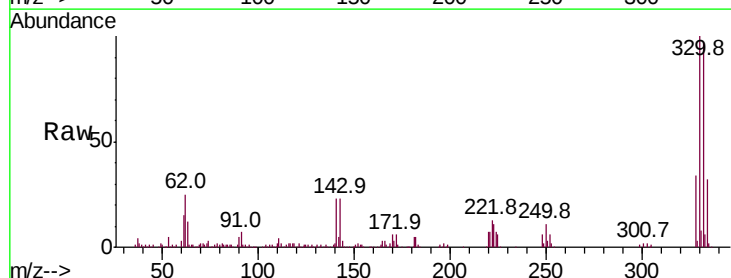


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

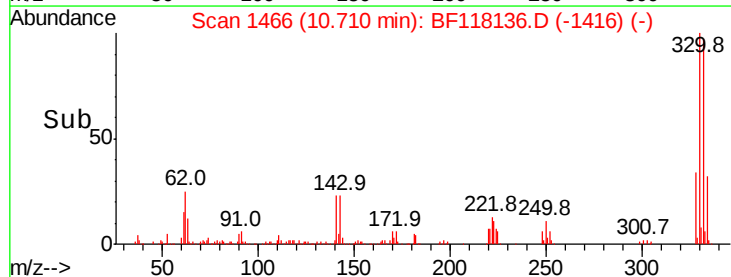
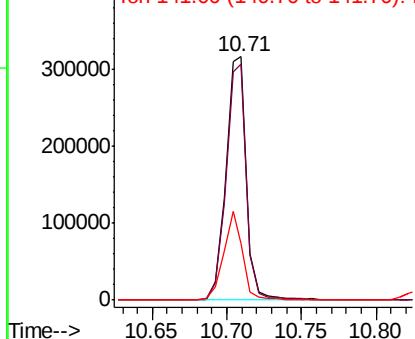


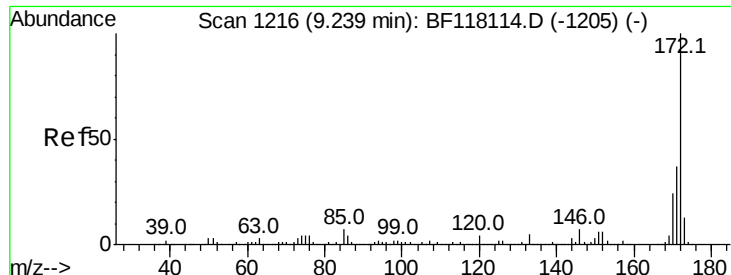
#42
2,4,6-Tribromophenol
Concen: 104.986 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	78.1	117.1	
141	34.4	26.9	40.3	



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





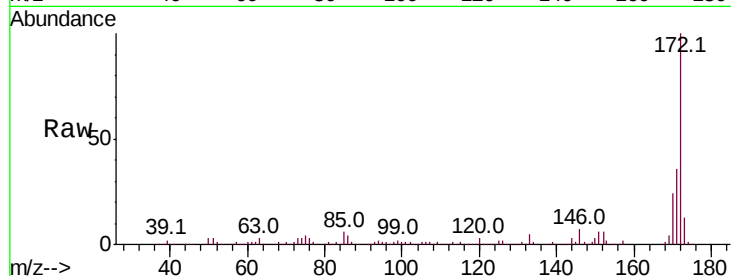
#45
2-Fluorobiphenyl
Concen: 78.170 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Instrument :
BNA_F
ClientSampleId :
P001-WC003

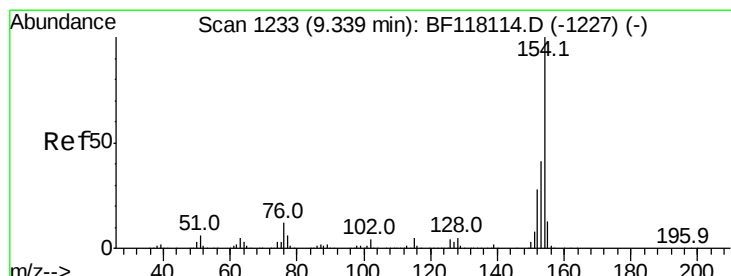
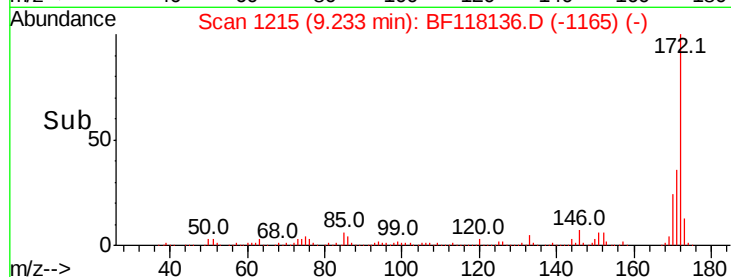
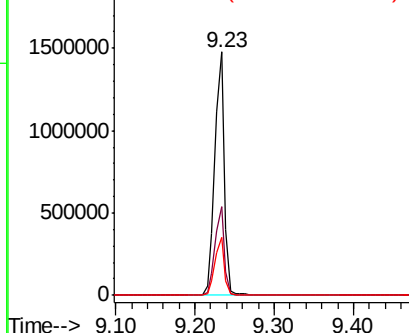
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.2	43.8
170	23.8	19.4	29.2

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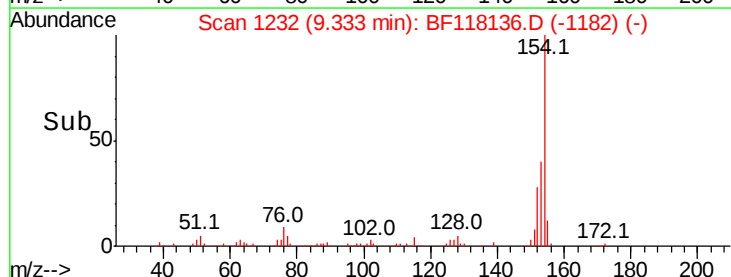
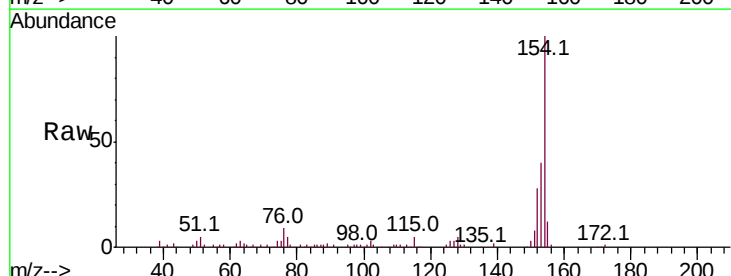
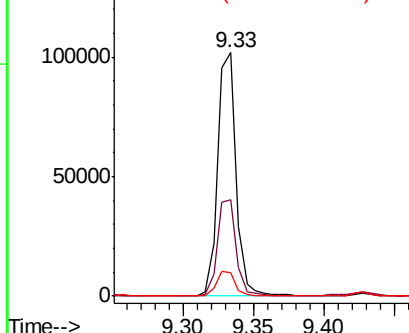
Abundance Ion 172.00 (171.70 to 172.70): E
2000000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

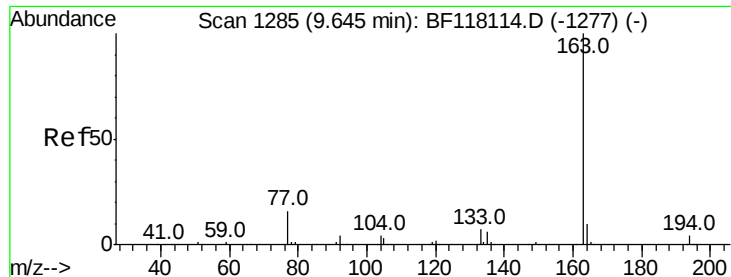


#46
1,1'-Biphenyl
Concen: 4.853 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.7	60.7
76	9.5	0.0	31.9

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





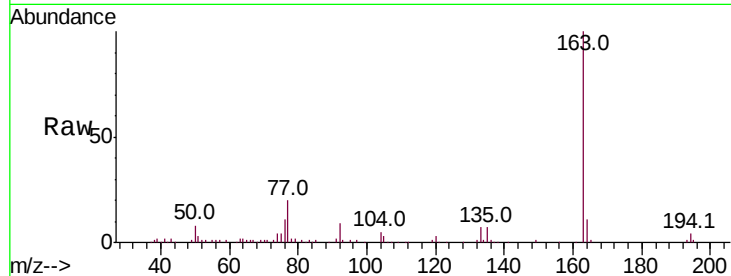
#50
Dimethylphthalate
Concen: 6.809 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Instrument :
BNA_F
ClientSampleId :
P001-WC003

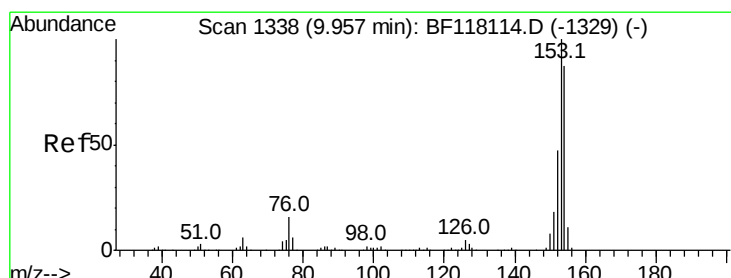
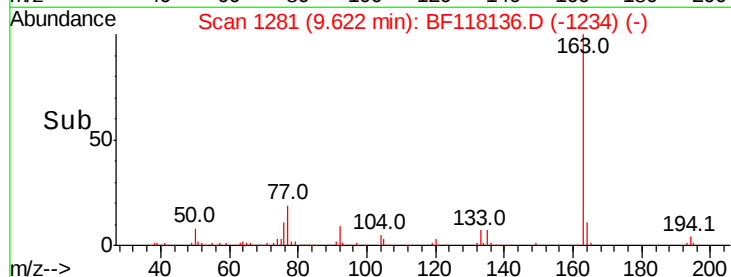
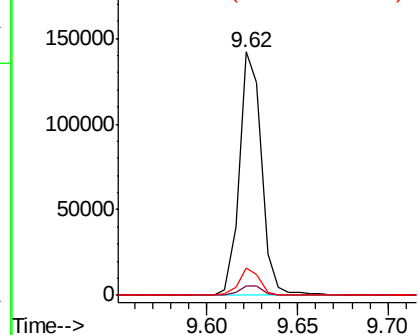
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9		3.1	4.7
164	11.5		7.7	11.5

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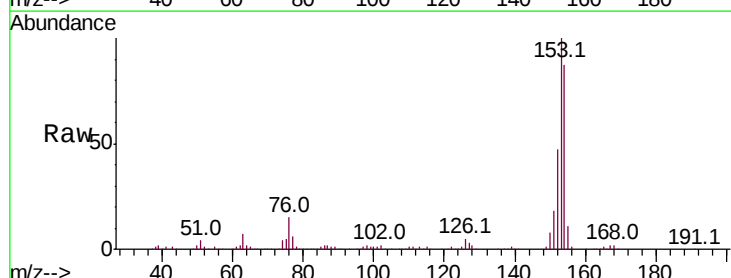


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

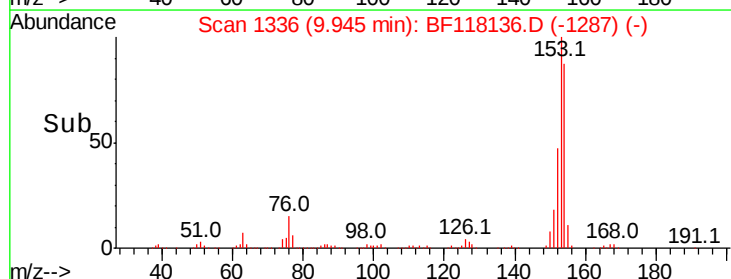
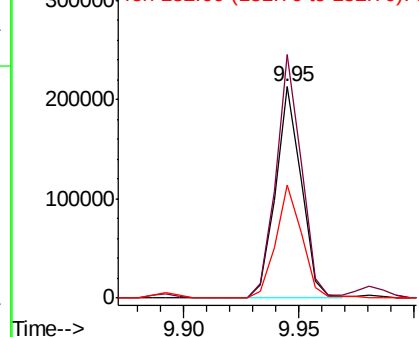


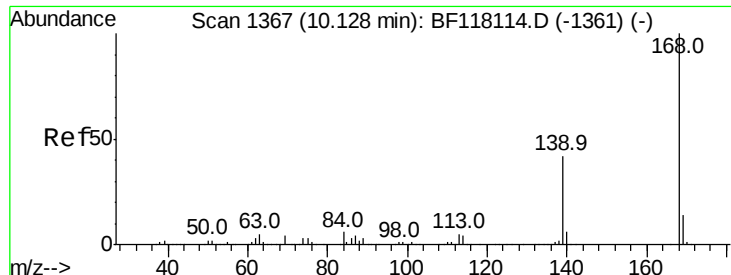
#52
Acenaphthene
Concen: 11.951 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	115.2		91.8	137.6
152	53.8		43.3	64.9



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





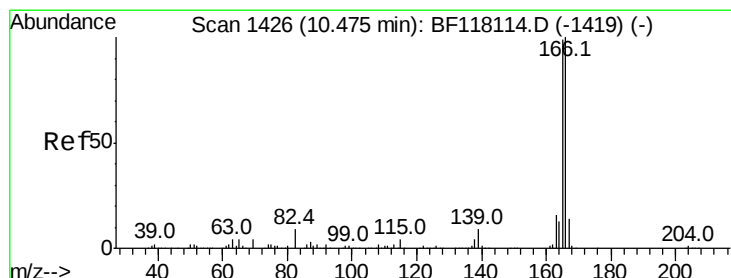
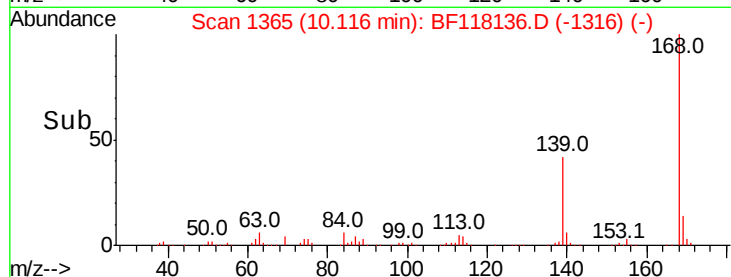
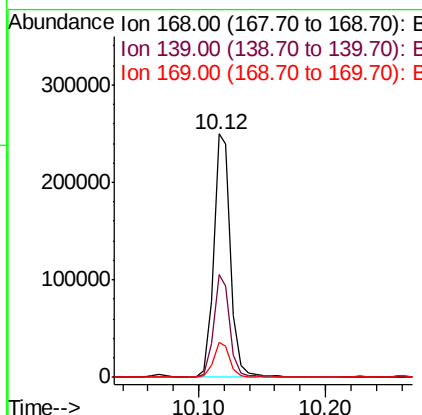
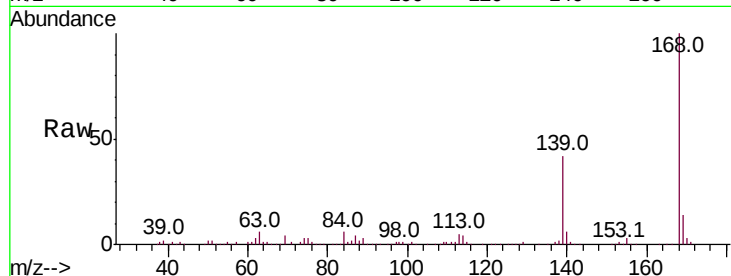
#55
Dibenzenofuran
Concen: 11.643 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Instrument :
BNA_F
ClientSampleId :
P001-WC003

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.2	33.4	50.0
169	14.4	11.0	16.6

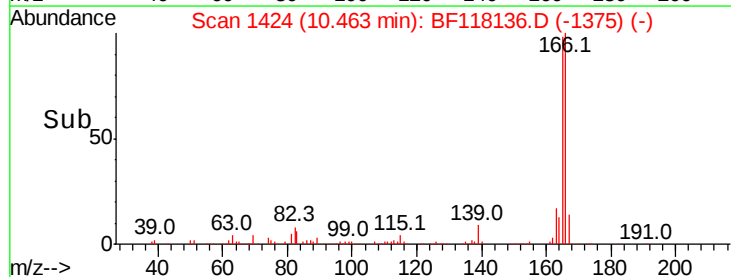
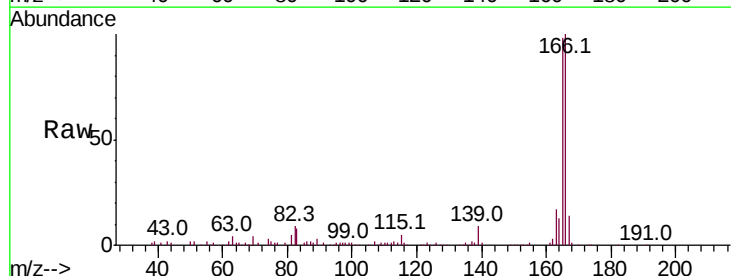
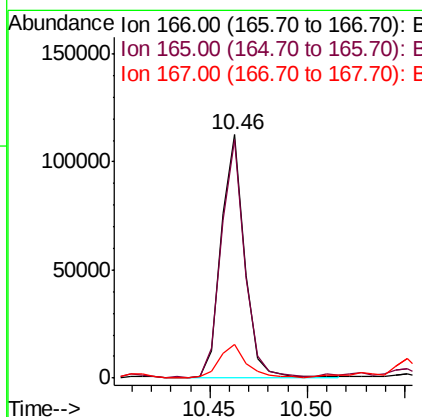
Manual Integrations
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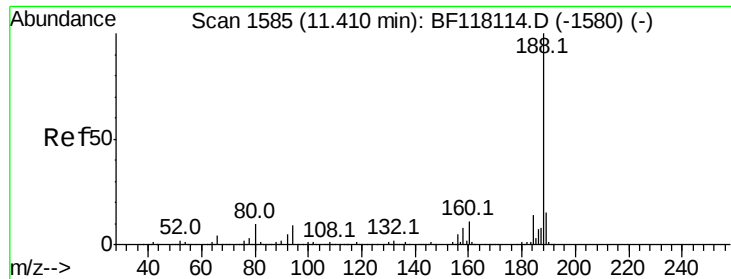
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#58
Fluorene
Concen: 5.883 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.0	118.4
167	13.6	10.9	16.3





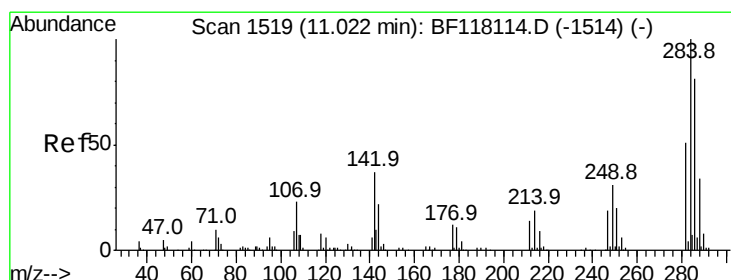
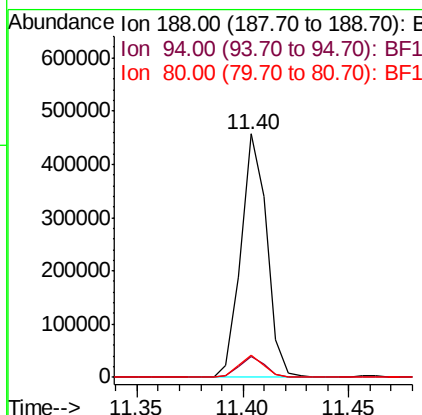
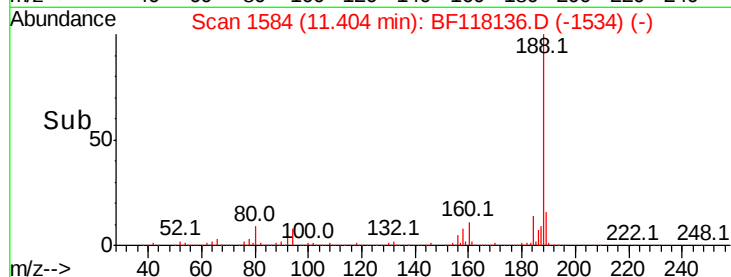
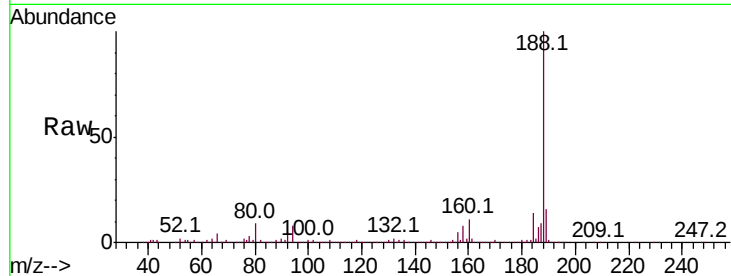
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Instrument :
BNA_F
ClientSampleId :
P001-WC003

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.3	7.1	10.7	
80	9.1	7.9	11.9	

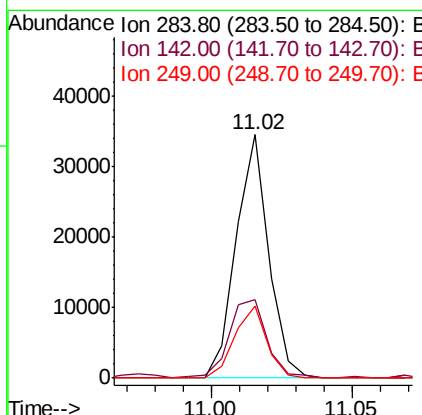
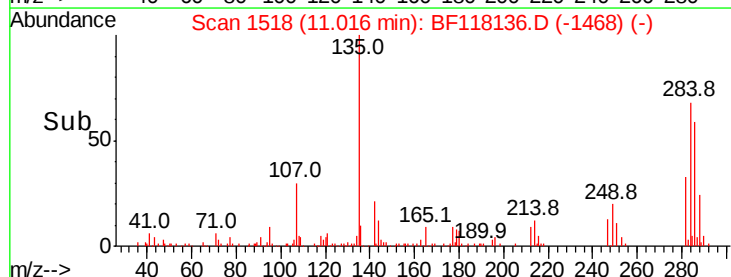
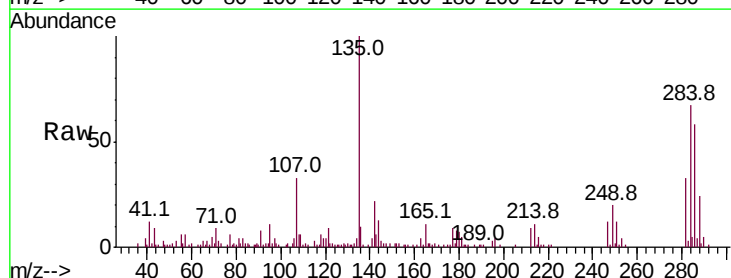
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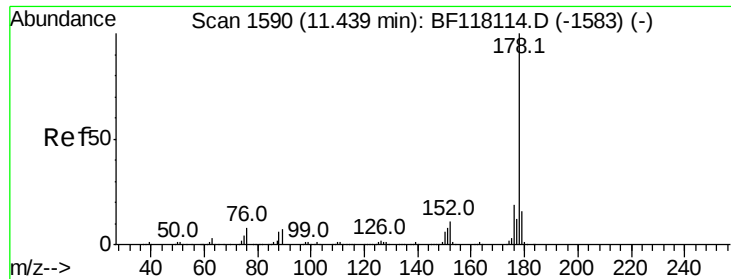
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#68
Hexachlorobenzene
Concen: 5.318 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
284	100			
142	32.4	29.7	44.5	
249	29.6	24.6	37.0	





#71

Phenanthrene

Concen: 21.118 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF118136.D

Acq: 7 Dec 2019 18:30

Instrument :

BNA_F

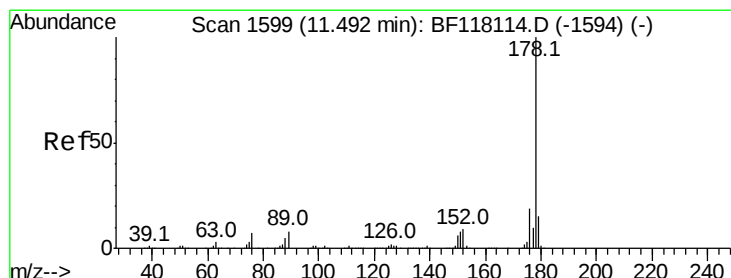
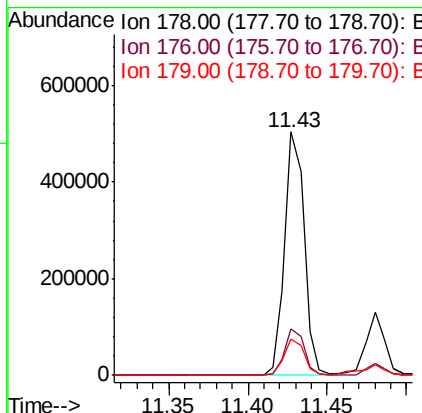
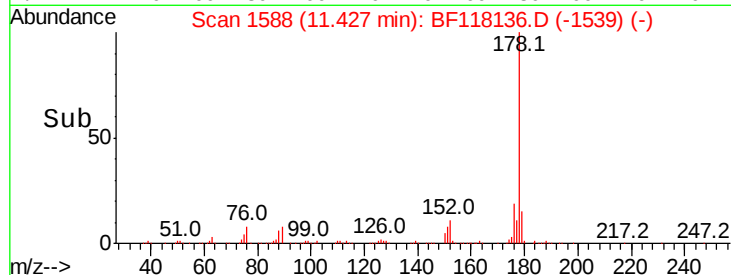
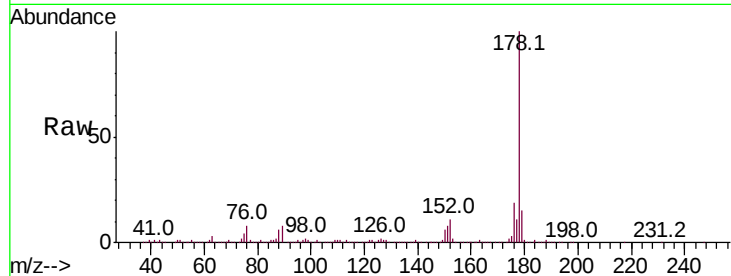
ClientSampleId :

P001-WC003

Tot Ion:178	Resp:	433827
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.5 23.3
179	15.0	12.6 18.8

Manual Integrations
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#72

Anthracene

Concen: 5.160 ng

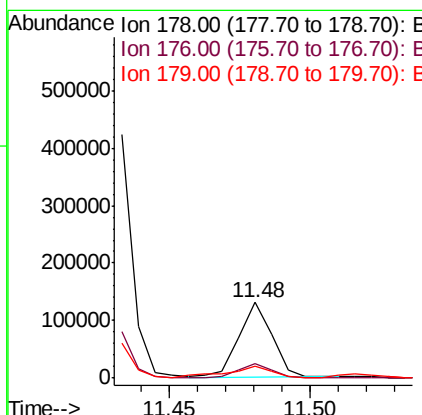
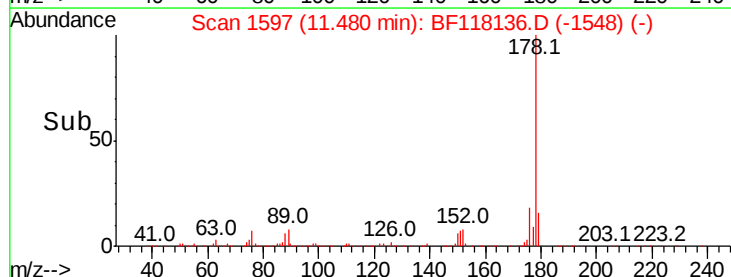
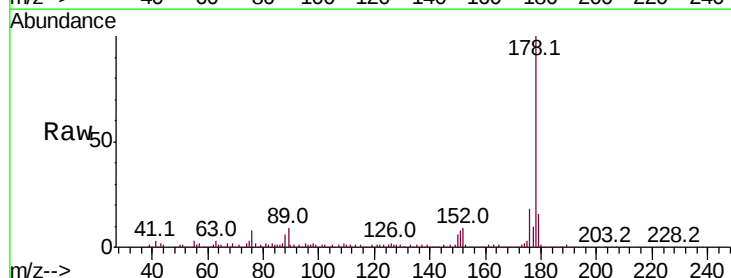
RT: 11.48 min Scan# 1597

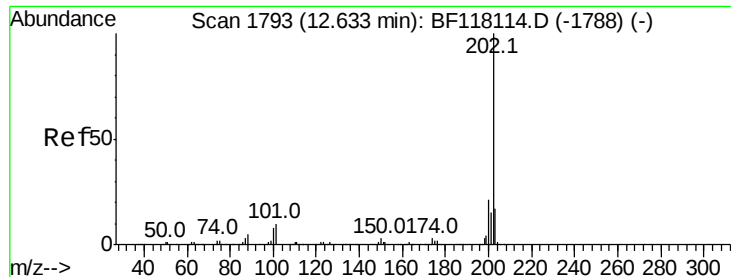
Delta R.T. -0.01 min

Lab File: BF118136.D

Acq: 7 Dec 2019 18:30

Tgt Ion:178	Resp:	105745
Ion Ratio	Lower	Upper
178	100	
176	18.4	15.0 22.6
179	16.4	12.2 18.4





#75

Fluoranthene

Concen: 11.411 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF118136.D

Acq: 7 Dec 2019 18:30

Instrument :

BNA_F

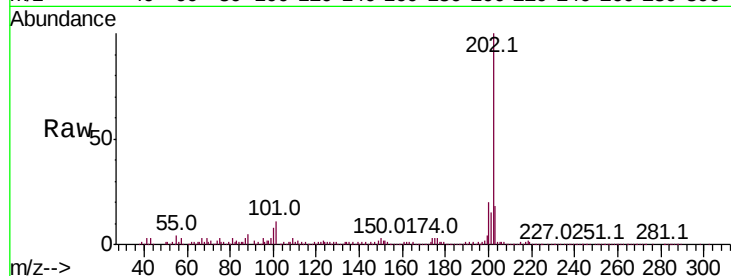
ClientSampleId :

P001-WC003

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.7	0.0	30.4
203	17.9	0.0	37.2

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

300000

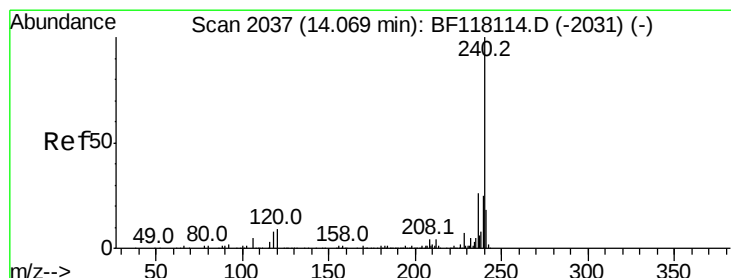
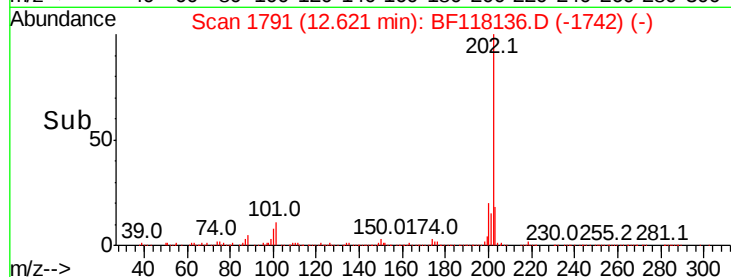
12.62

200000

100000

0

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

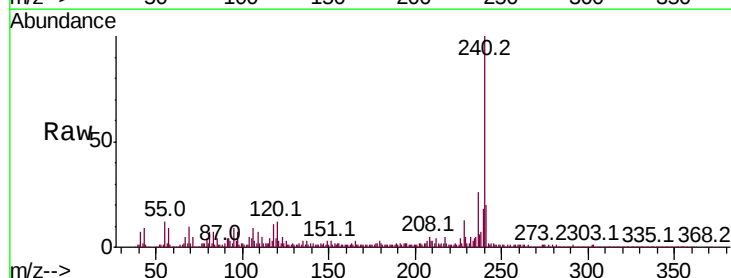
RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF118136.D

Acq: 7 Dec 2019 18:30

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.7	7.1	10.7#
236	26.1	21.0	31.6



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

300000

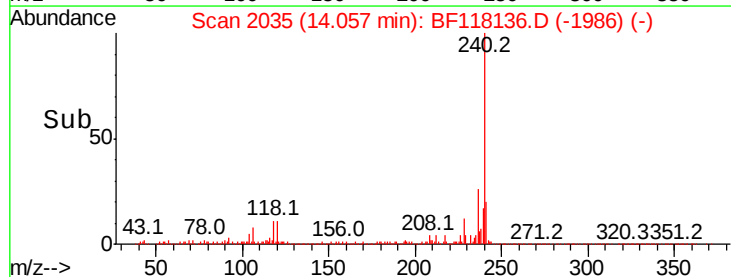
14.06

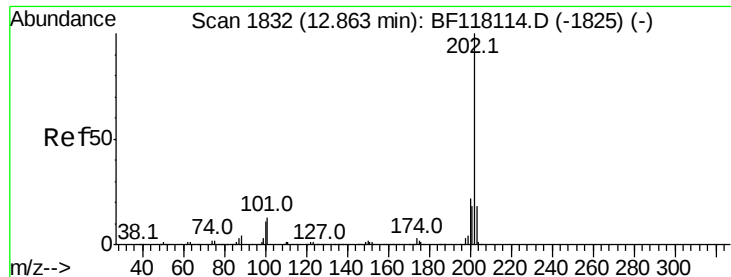
200000

100000

0

Time-->





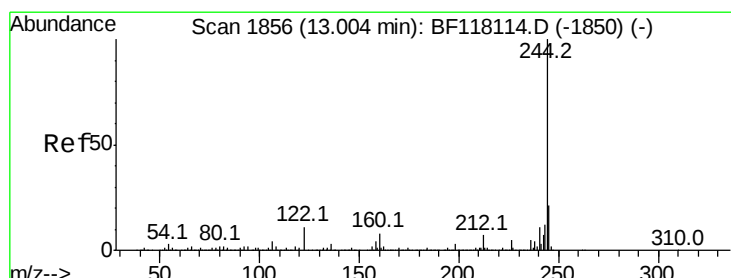
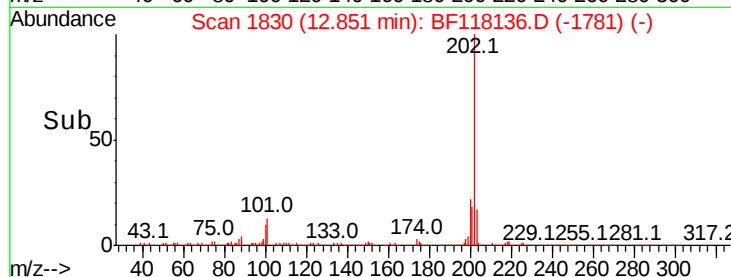
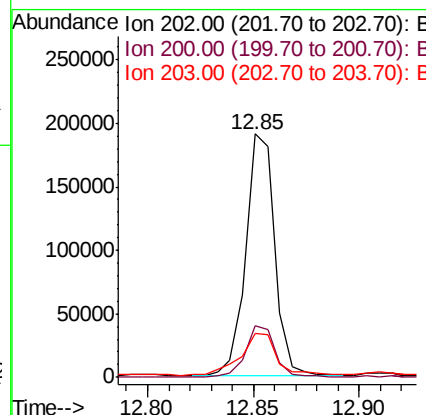
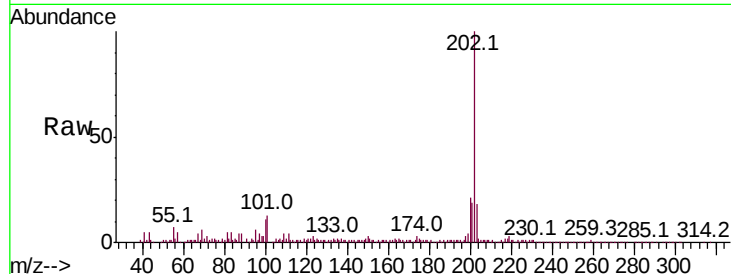
#78
Pvrene
Concen: 9.295 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Instrument :
BNA_F
ClientSampleId :
P001-WC003

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.5	26.3
203	18.2	14.6	21.8

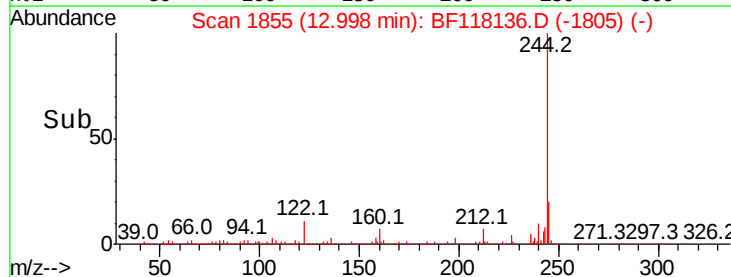
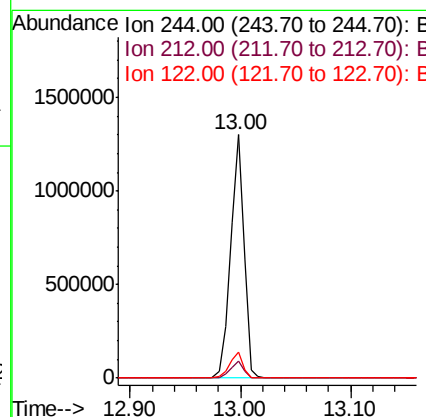
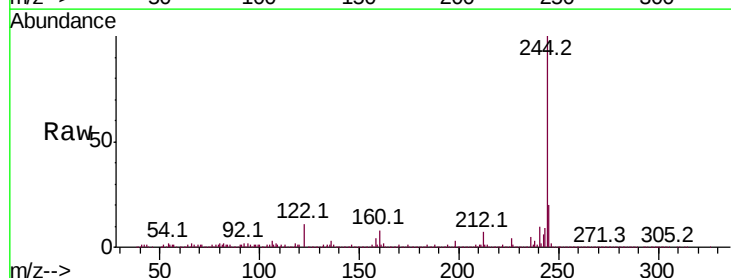
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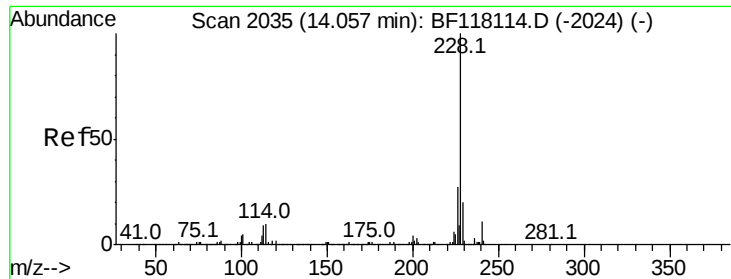
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#79
Terphenyl-d14
Concen: 76.884 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.9	8.9
122	10.7	9.0	13.6





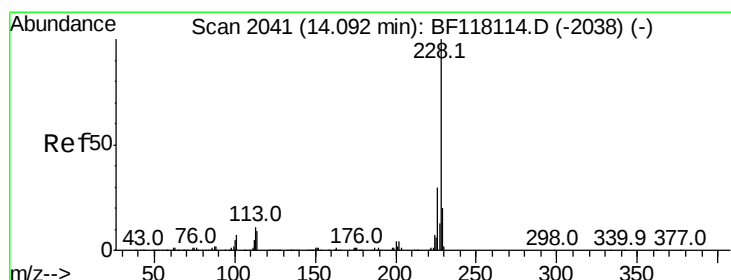
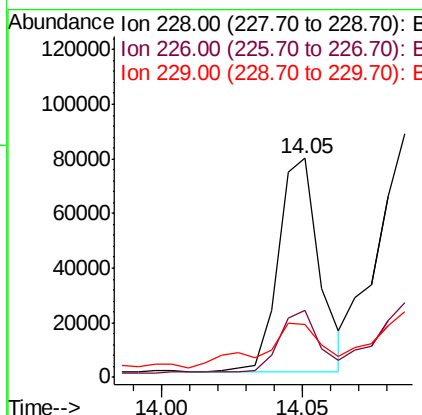
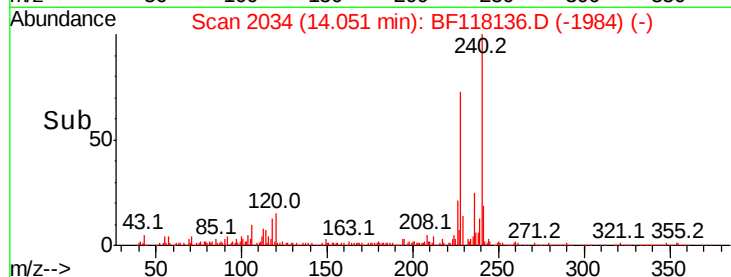
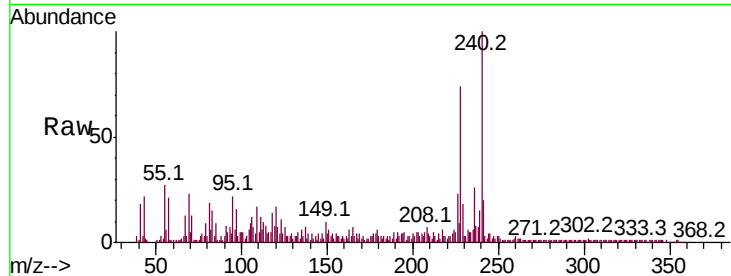
#81
Benzo(a)anthracene
Concen: 4.665 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Instrument :
BNA_F
ClientSampleId :
P001-WC003

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	21.8	32.8
229	24.0	15.8	23.8

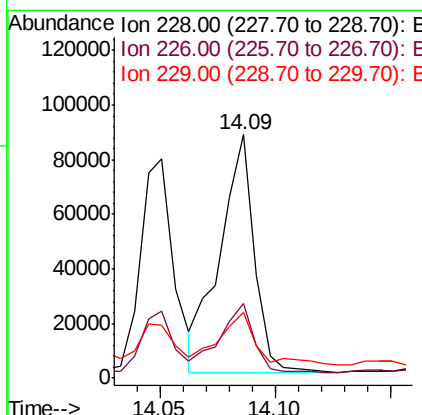
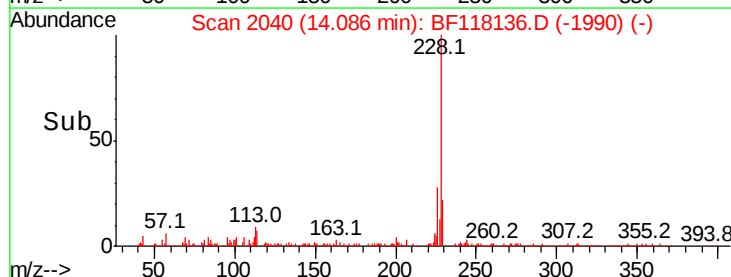
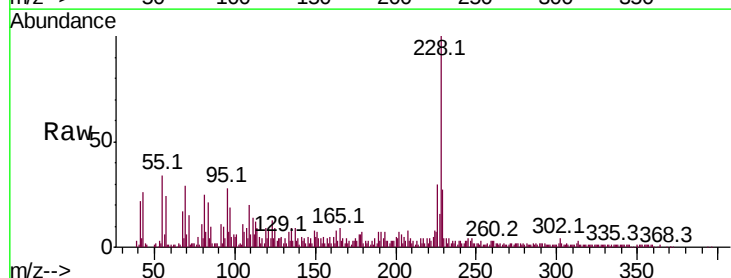
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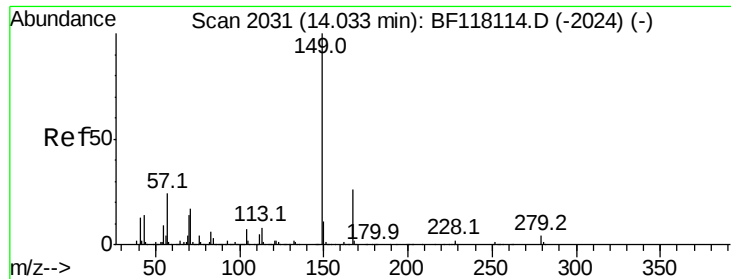
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#83
Chrysene
Concen: 5.579 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.8	35.8
229	27.2	15.7	23.5





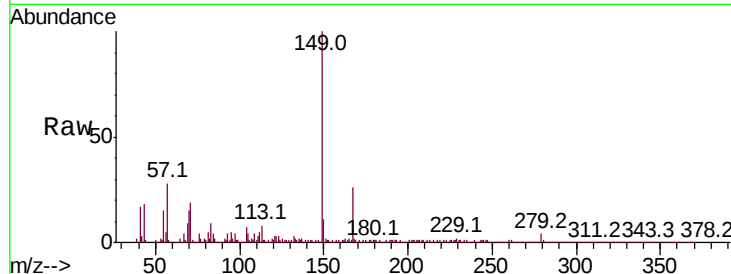
#84
Bis(2-ethylhexyl)phthalate
Concen: 30.671 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Instrument :
BNA_F
ClientSampleId :
P001-WC003

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.1	20.8	31.2
279	4.0	2.9	4.3

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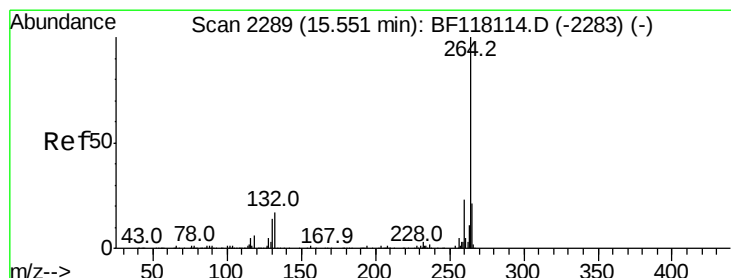
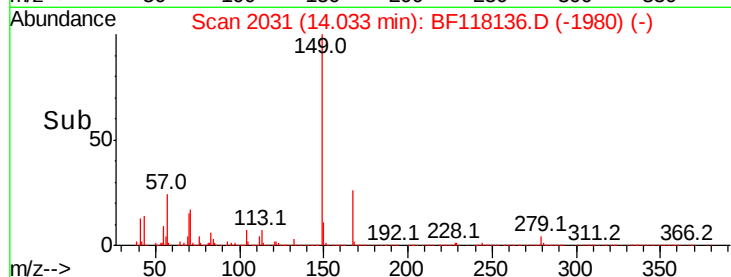
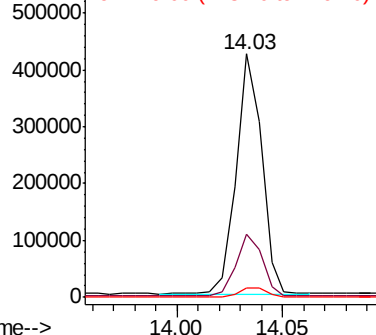


Abundance

Ion 149.00 (148.70 to 149.70): E

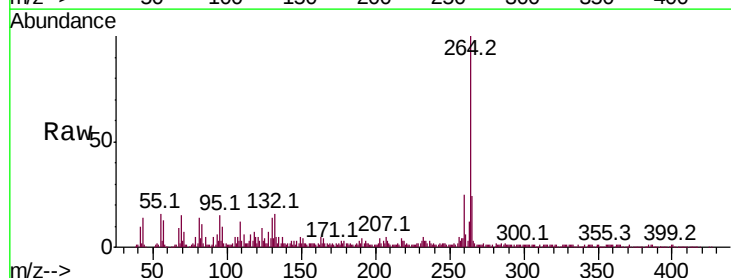
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.01 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.6	28.0
265	23.5	16.8	25.2

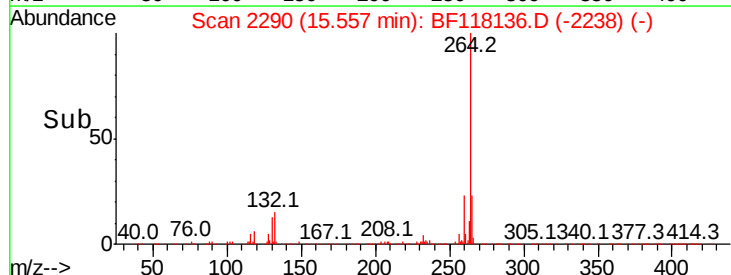
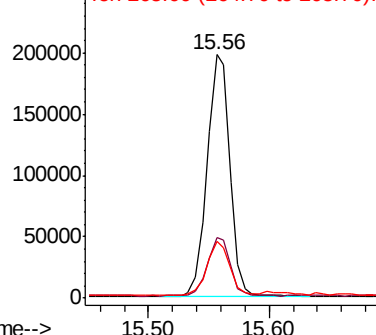


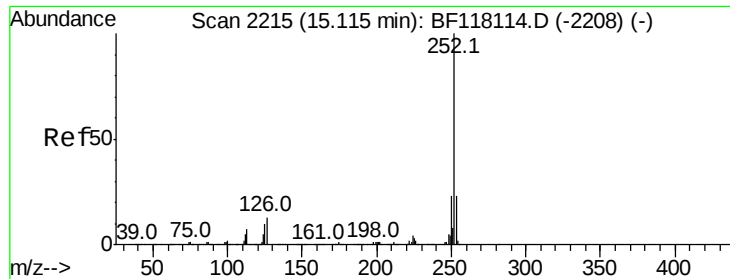
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





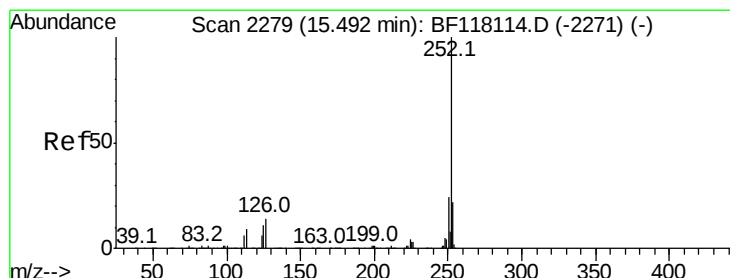
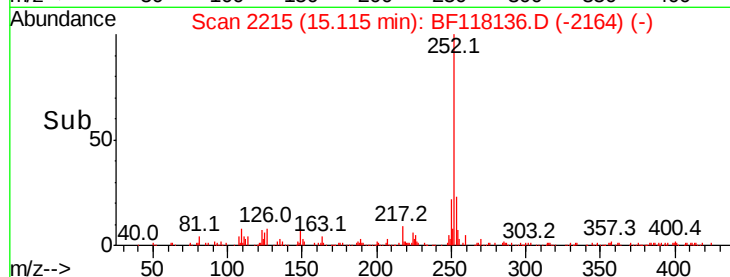
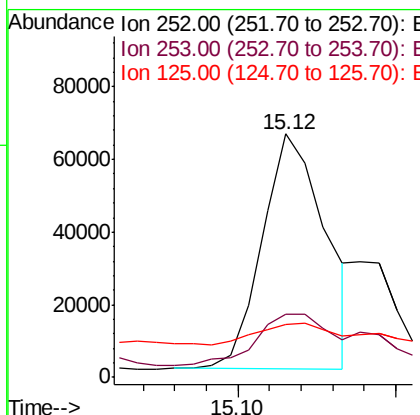
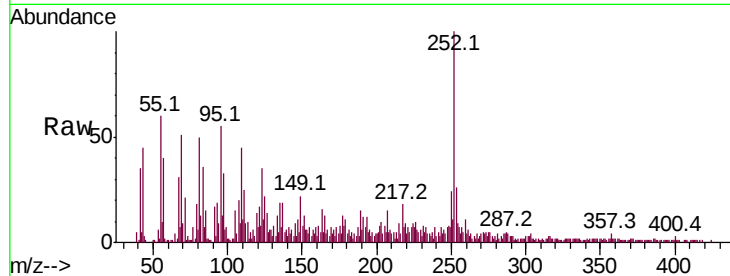
#88
Benzo(b)fluoranthene
Concen: 5.215 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Instrument :
BNA_F
ClientSampleId :
P001-WC003

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.2	27.4
125	21.8	8.3	12.5

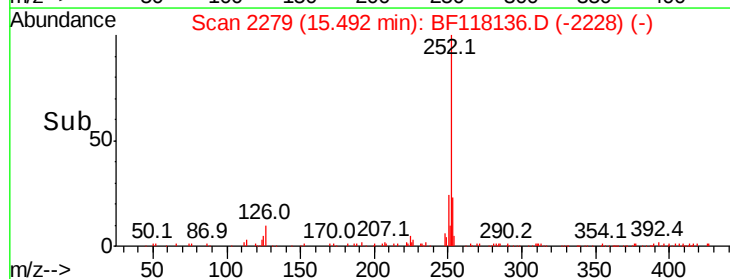
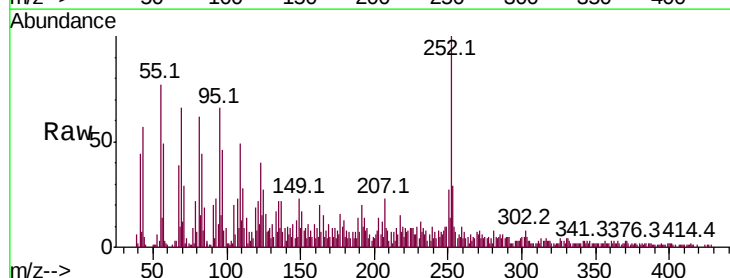
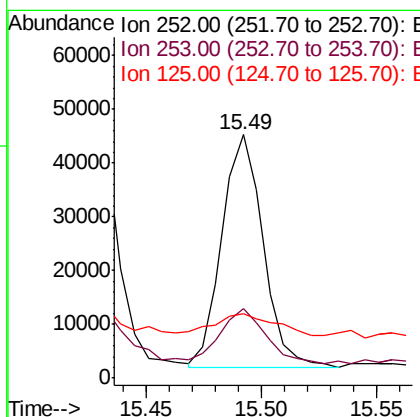
Manual Integrations
APPROVED

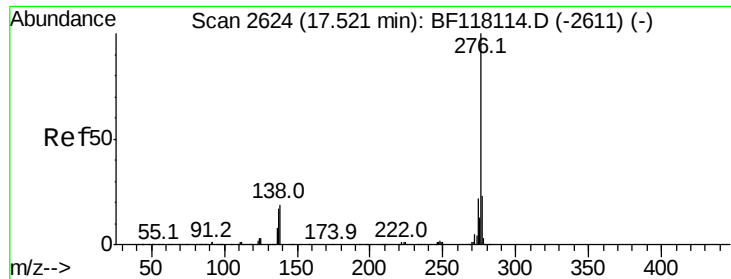
mohammad
12/10/2019 11:47:46 AM



#90
Benzo(a)pyrene
Concen: 3.521 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BF118136.D
Acq: 7 Dec 2019 18:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	17.5	26.3
125	26.7	9.1	13.7





#92
 Benzo(a,h,i)perylene
 Concen: 2.336 ng
 RT: 17.52 min Scan# 2624
 Delta R.T. -0.00 min
 Lab File: BF118136.D
 Acq: 7 Dec 2019 18:30

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC003

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.1	18.2	27.4
138	26.3	15.5	23.3

Manual Integrations
 APPROVED

mohammad
 12/10/2019 11:47:46 AM

