

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
 Data File : BF118328.D
 Acq On : 26 Dec 2019 20:43
 Operator : JU
 Sample : K6395-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Manual Integrations
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 12/27/2019 3:19:31 PM

Quant Time: Dec 27 05:53:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	133530	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	541594	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	273440	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	430119	20.00	ng	0.00
76) Chrysene-d12	14.05	240	319502	20.00	ng	0.00
87) Perylene-d12	15.54	264	255982	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	325353	41.59	ng	0.00
7) Phenol-d6	6.48	99	430216	44.33	ng	0.00
23) Nitrobenzene-d5	7.41	82	245512	25.93	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	111120	32.91	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	487508	27.21	ng	0.00
79) Terphenyl-d14	12.98	244	417609	21.68	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.16	128	163767	5.949	ng	99
37) 2-Methylnaphthalene	8.85	142	49382	2.620	ng	95
38) 1-Methylnaphthalene	8.95	142	44925	2.530	ng	98
49) Acenaphthylene	9.76	152	83995	3.254	ng	97
50) Dimethylphthalate	9.61	163	66738	3.251	ng	99
52) Acenaphthene	9.93	154	152929	9.725	ng	100
55) Dibenzofuran	10.10	168	144907	6.237	ng	99
58) Fluorene	10.45	166	189322	10.094	ng	99
71) Phenanthrene	11.42	178	2117258	90.296	ng	98
72) Anthracene	11.47	178	566738	24.147	ng	97
73) Carbazole	11.62	167	234533	11.262	ng	98
75) Fluoranthene	12.62	202	2560133	108.187	ng	96
78) Pvrene	12.85	202	2216665	84.960	ng	97
81) Benzo(a)anthracene	14.04	228	1307716	58.474	ng	99
83) Chrysene	14.08	228	1114878	52.063	ng	97
86) Indeno(1,2,3-cd)pyrene	17.05	276	367522	20.142	ng	# 94
88) Benzo(b)fluoranthene	15.11	252	1279762m	75.315	ng	
89) Benzo(k)fluoranthene	15.13	252	352452m	21.602	ng	
90) Benzo(a)pvrene	15.48	252	765698	51.154	ng	95
91) Dibenzo(a,h)anthracene	17.05	278	103602m	7.976	ng	
92) Benzo(g,h,i)perylene	17.51	276	338862	27.006	ng	99

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

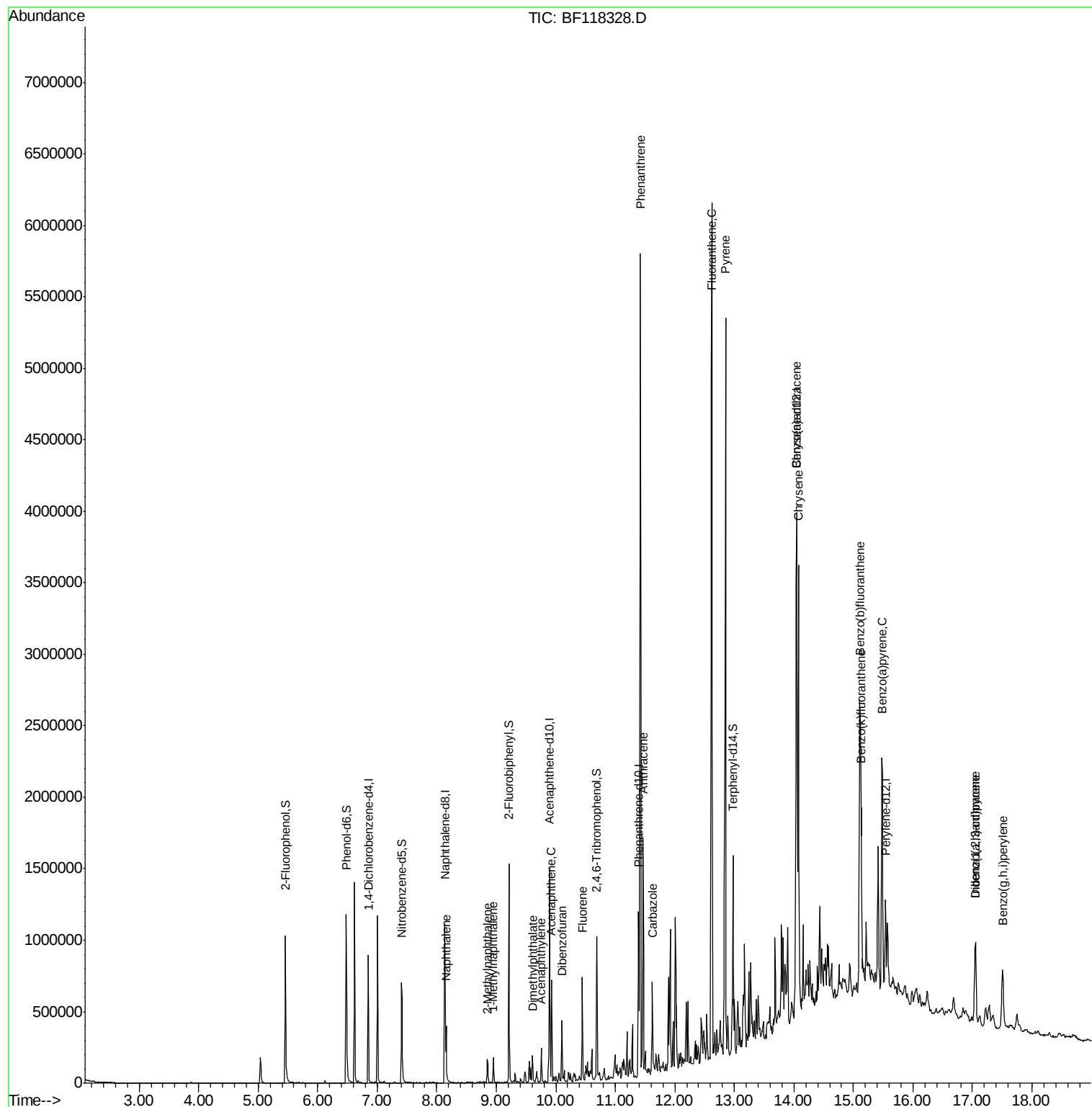
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118328.D
Acq On : 26 Dec 2019 20:43
Operator : JU
Sample : K6395-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

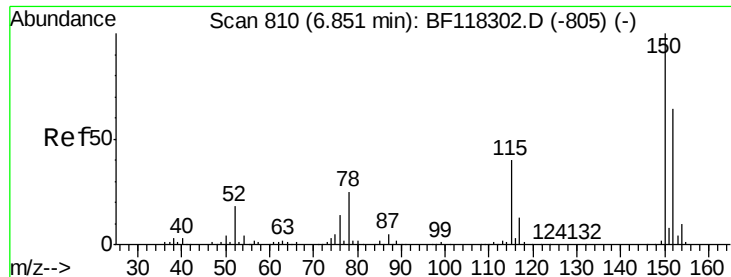
Instrument :
BNA_F
ClientSampled :
TP-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
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#1

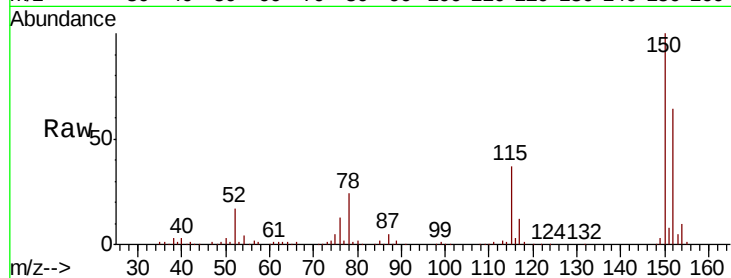
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.4	188.2
115	57.4	50.2	75.4

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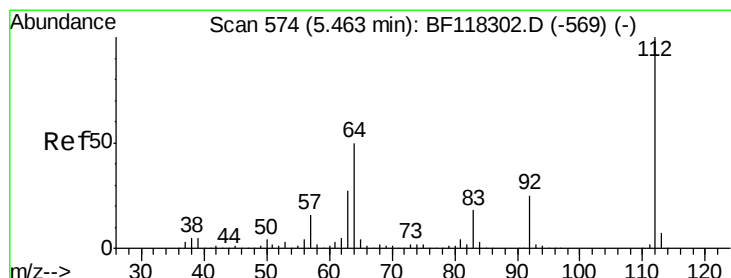
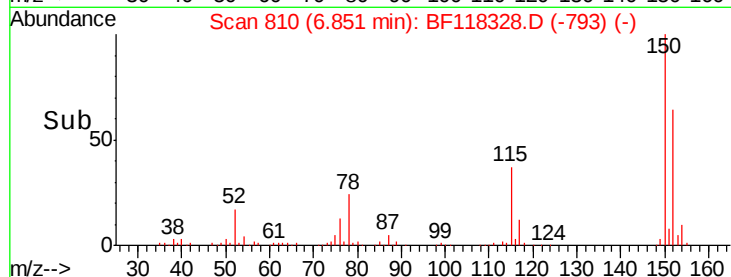
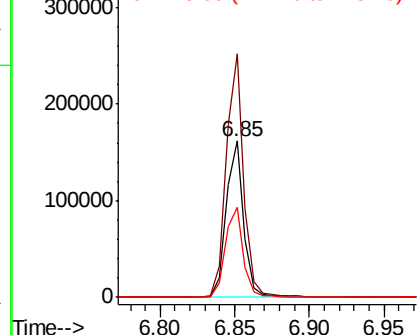


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

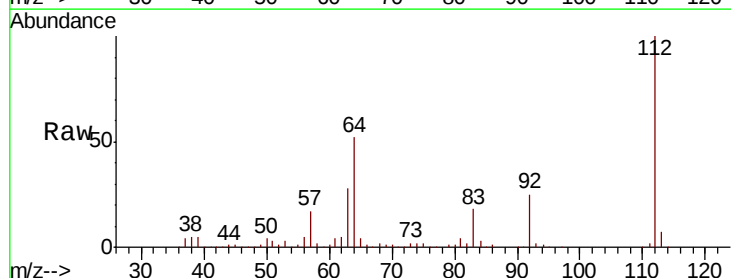
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 41.592 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	39.7	59.5
63	28.1	21.7	32.5

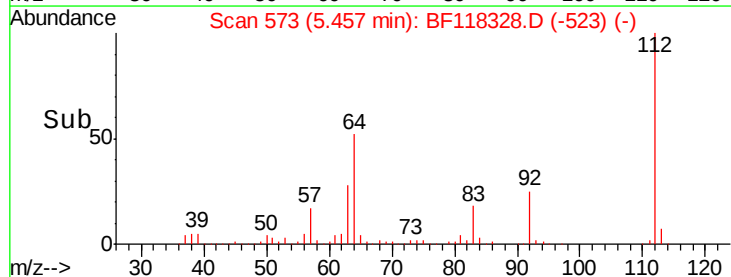
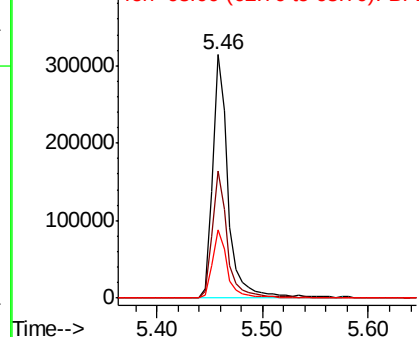


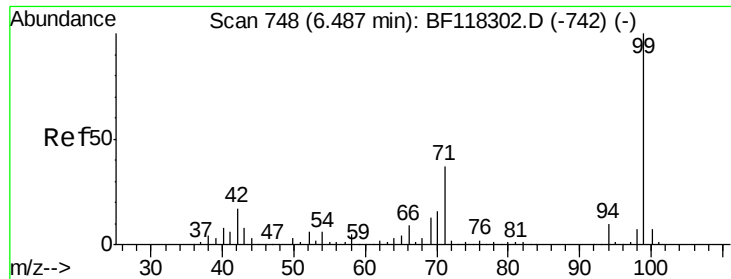
Abundance

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: 44.334 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118328.D

Acq: 26 Dec 2019 20:43

Instrument :

BNA_F

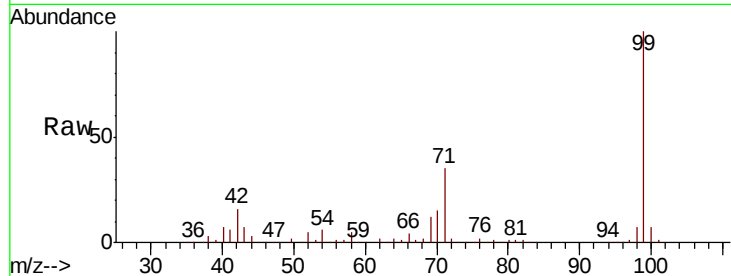
ClientSampled :

TP-4

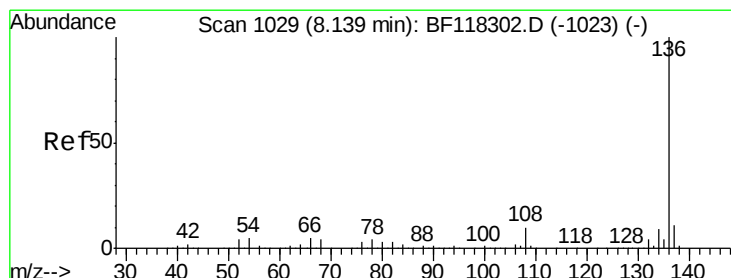
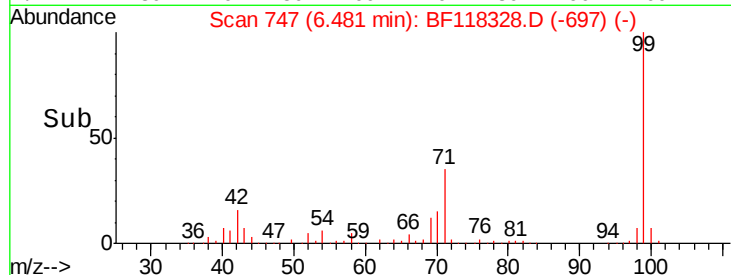
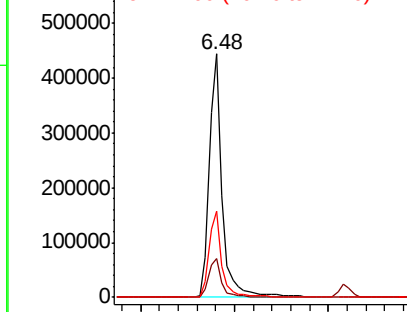
Tot Ion:	99	Resp:	430216
Ion Ratio	Lower	Upper	
99	100		
42	15.8	13.5	20.3
71	35.4	29.4	44.2

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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: 8.14 min Scan# 1029

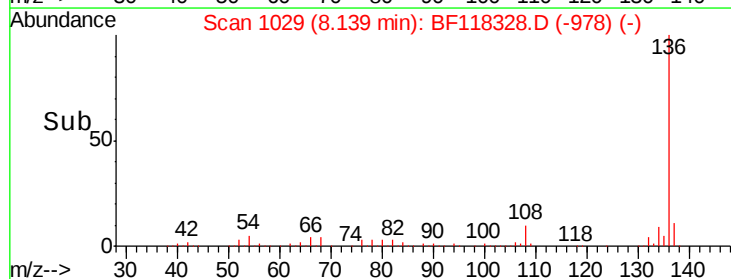
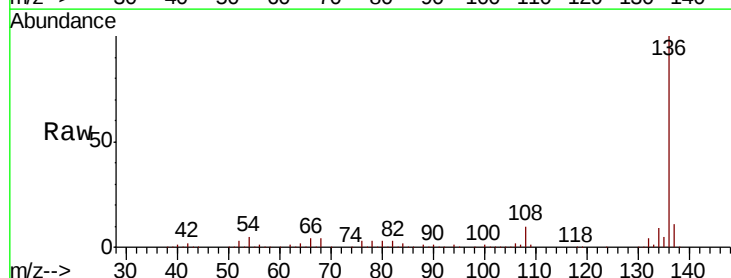
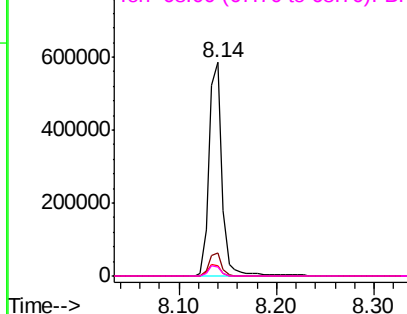
Delta R.T. 0.00 min

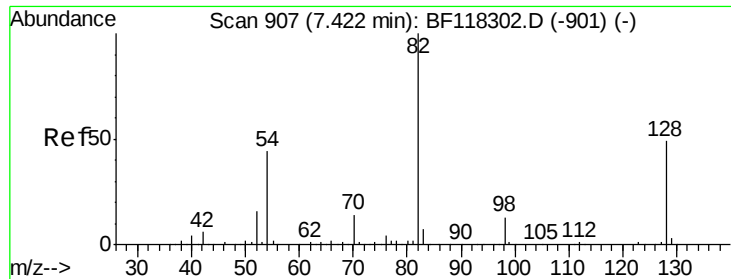
Lab File: BF118328.D

Acq: 26 Dec 2019 20:43

Tgt Ion:	136	Resp:	541594
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	5.0	4.2	6.4
68	4.2	3.5	5.3

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





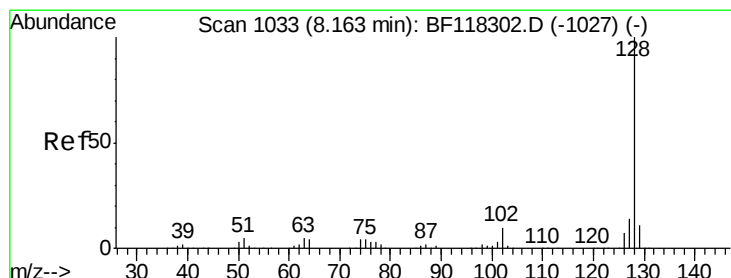
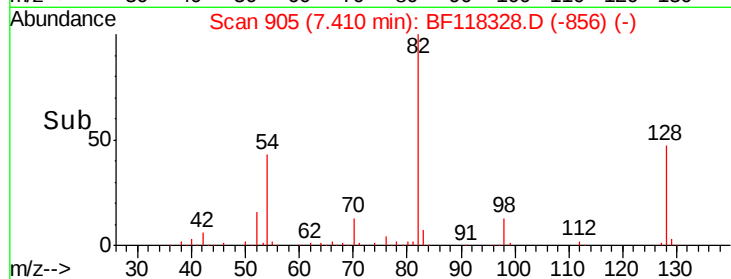
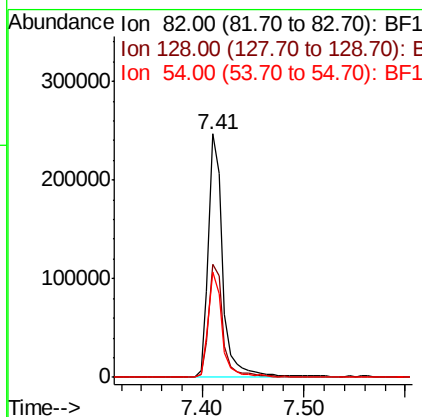
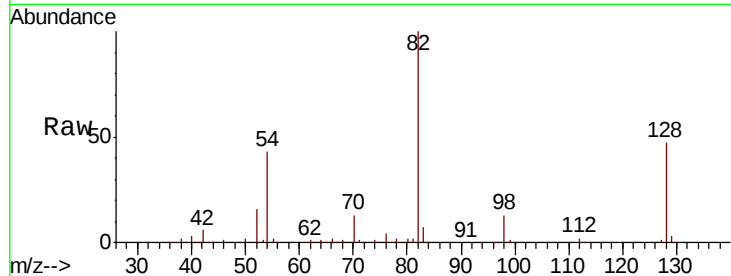
#23
Nitrobenzene-d5
Concen: 25.927 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Resp	Lower	Upper
82	100	245512		
128	46.6	39.6	59.4	
54	43.2	34.9	52.3	

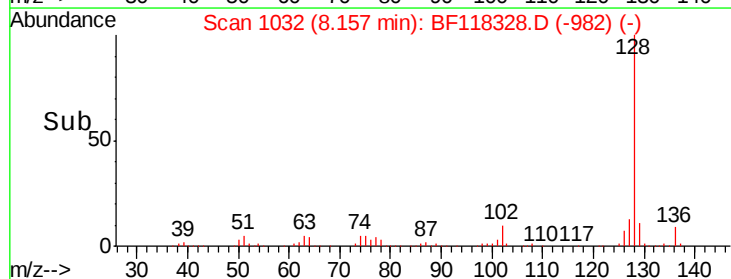
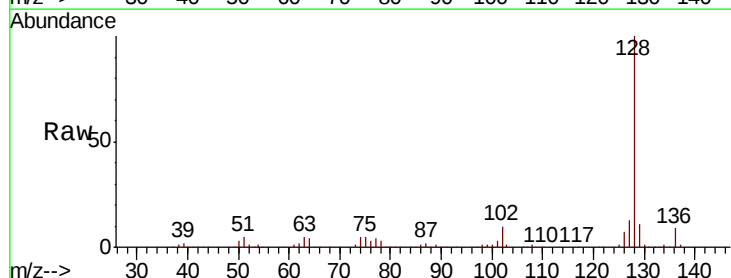
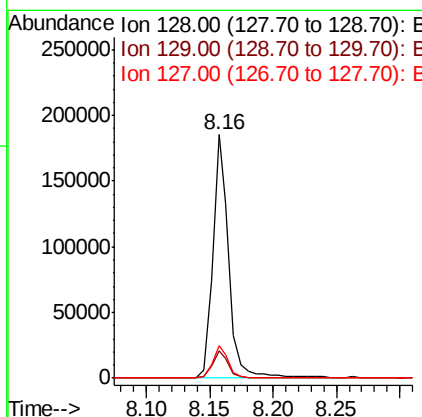
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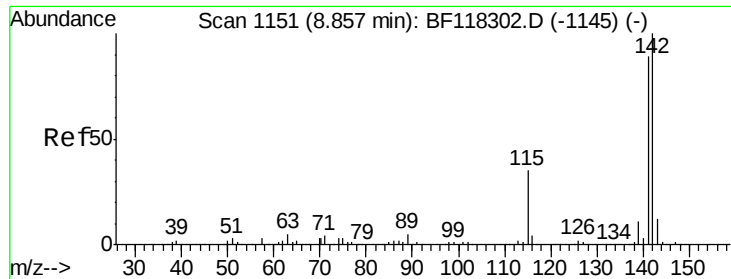
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#31
Naphthalene
Concen: 5.949 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	163767		
129	11.5	9.0	13.4	
127	13.3	11.0	16.4	





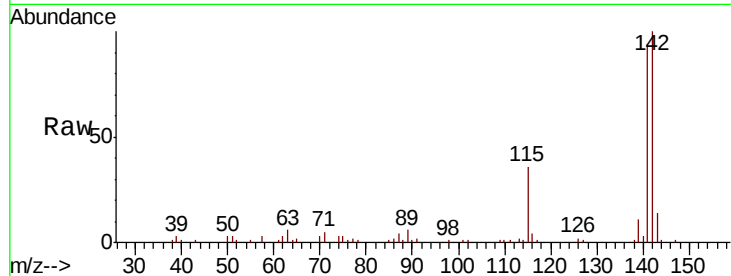
#37
2-Methylnaphthalene
Concen: 2.620 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.4	71.2	106.8
115	36.1	28.0	42.0

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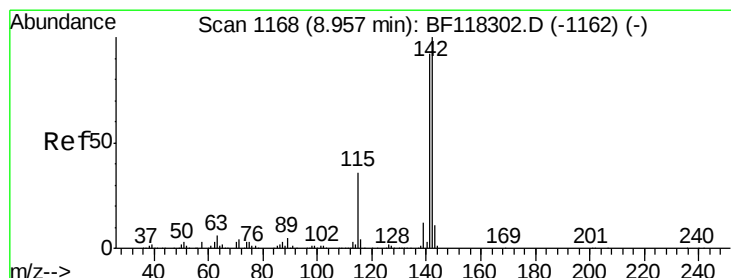
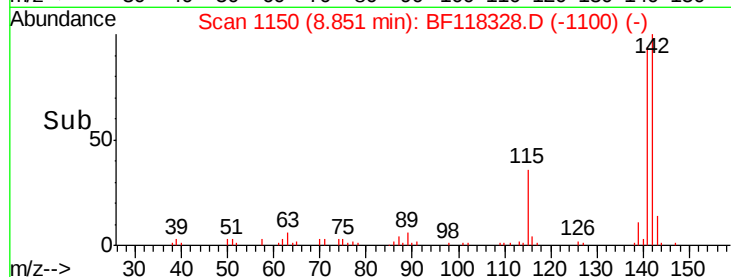
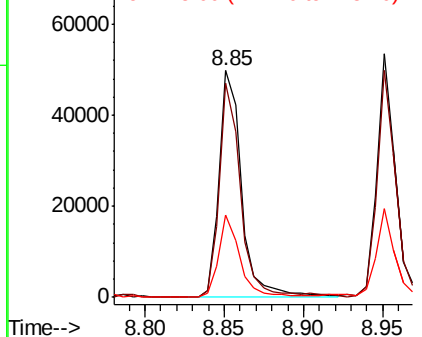


Abundance

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: 2.530 ng
RT: 8.95 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

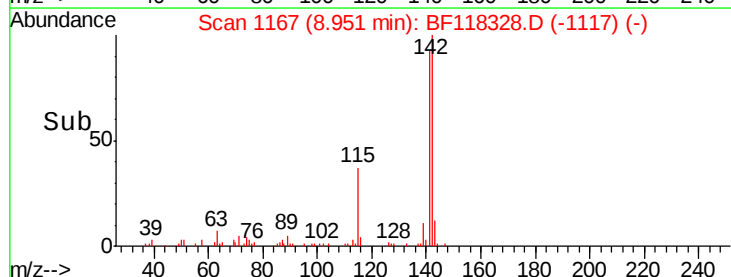
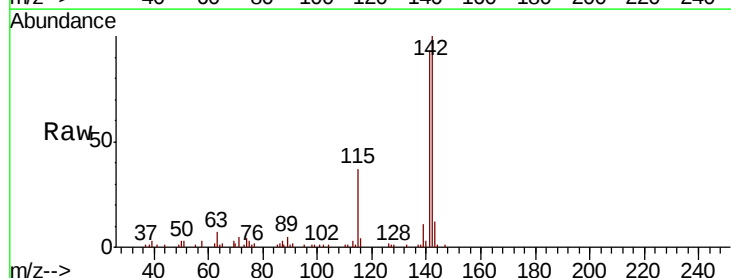
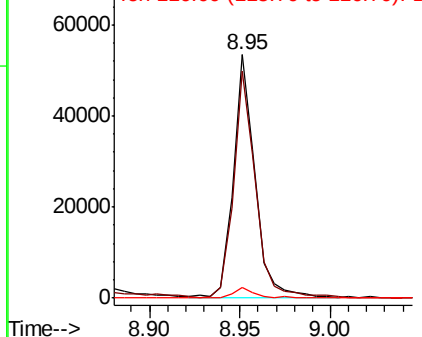
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.3	73.4	110.2
116	4.1	2.9	4.3

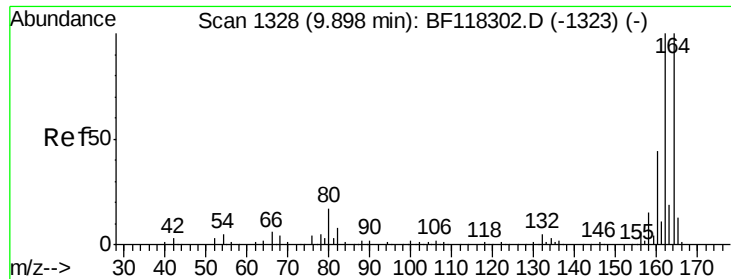
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





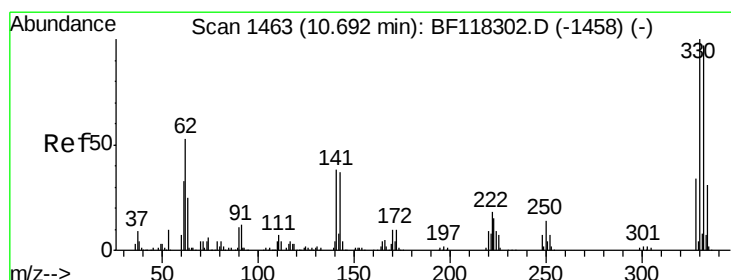
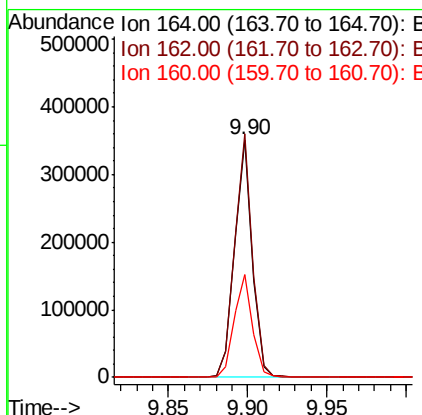
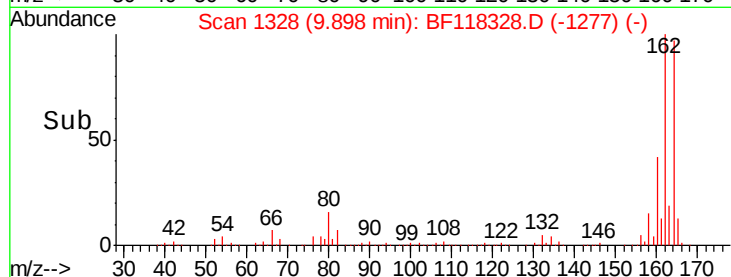
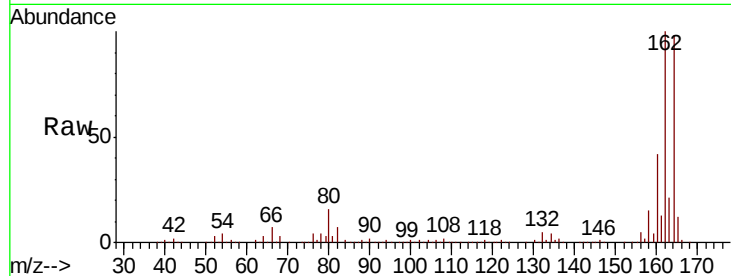
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.0	120.0
160	43.4	34.8	52.2

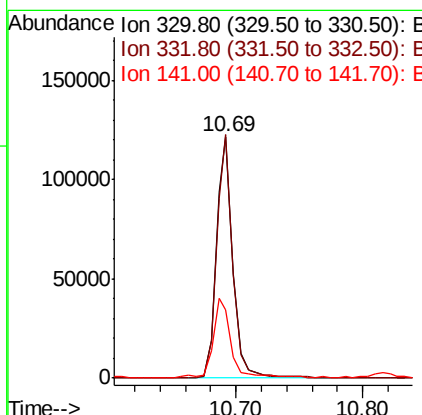
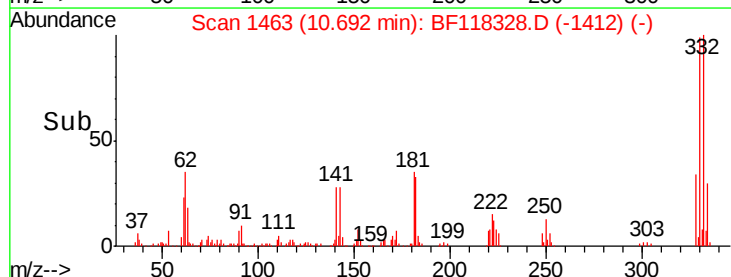
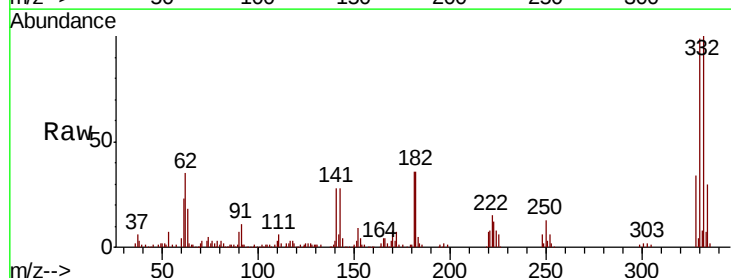
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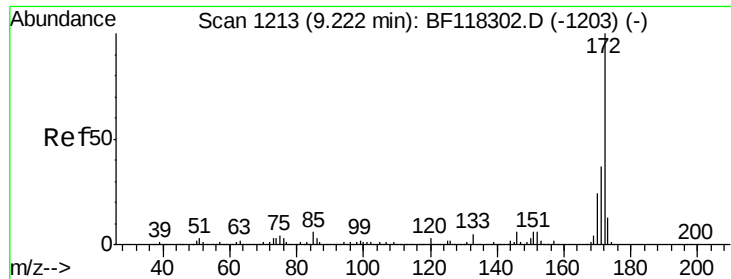
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#42
2,4,6-Tribromophenol
Concen: 32.907 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.00 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.8	76.6	114.8
141	37.3	26.0	39.0





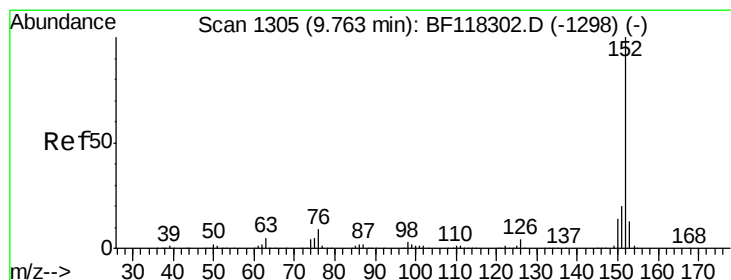
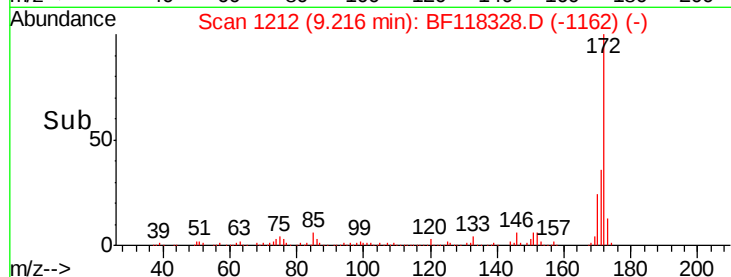
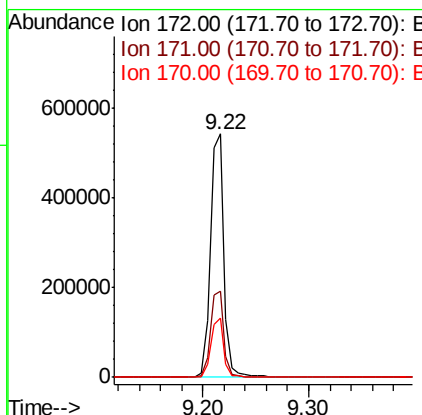
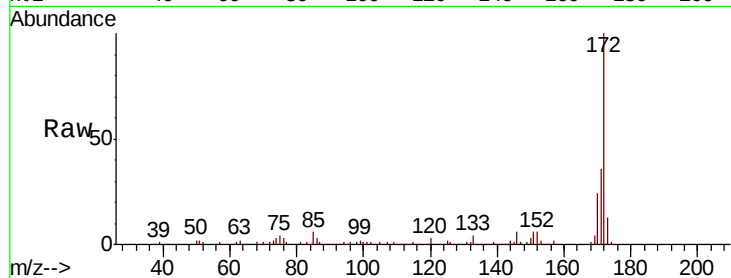
#45
2-Fluorobiphenyl
Concen: 27.215 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.3	43.9
170	24.1	19.2	28.8

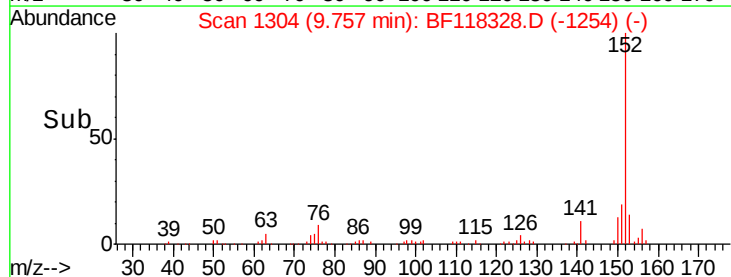
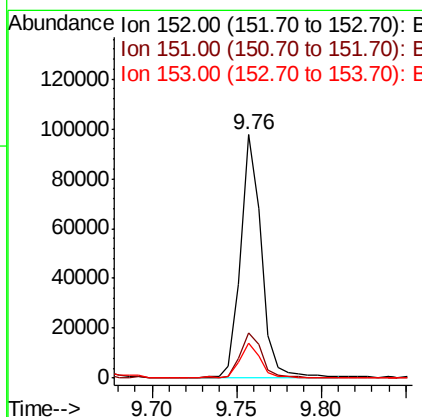
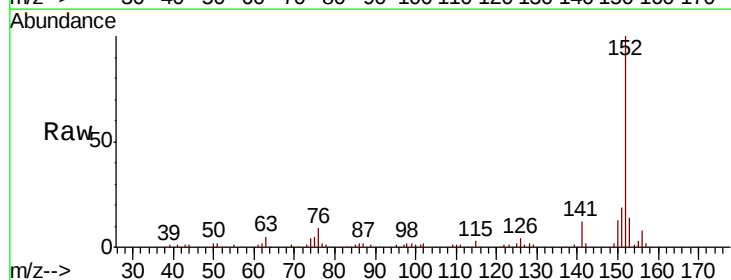
Manual Integrations
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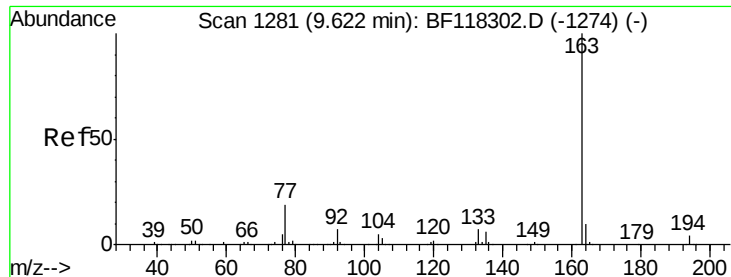
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#49
Acenaphthylene
Concen: 3.254 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.7	16.2	24.2
153	14.3	10.5	15.7





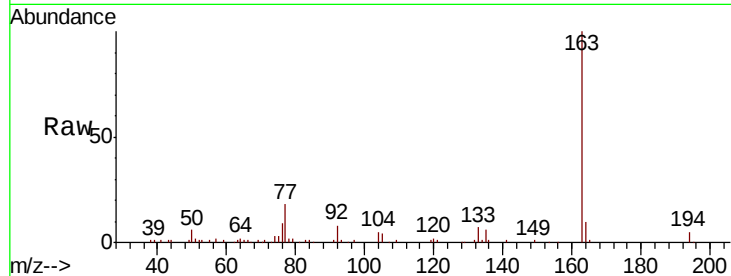
#50
Dimethylphthalate
Concen: 3.251 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Instrument :
BNA_F
ClientSampled :
TP-4

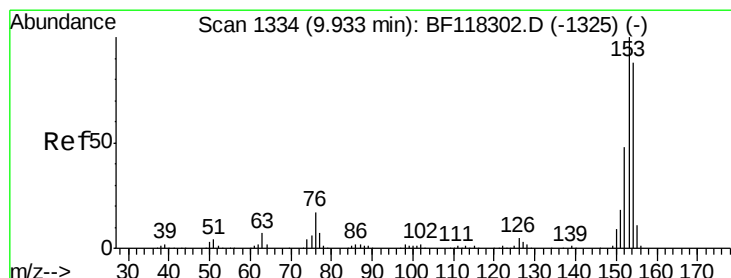
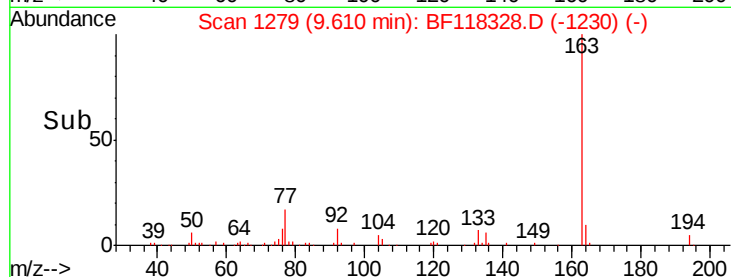
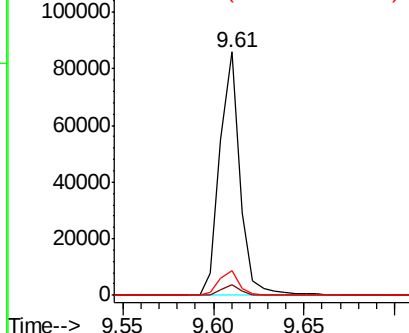
Tot Ion	Ratio	Resp	Lower	Upper
163	100	66738		
194	4.5		3.2	4.8
164	10.0		7.9	11.9

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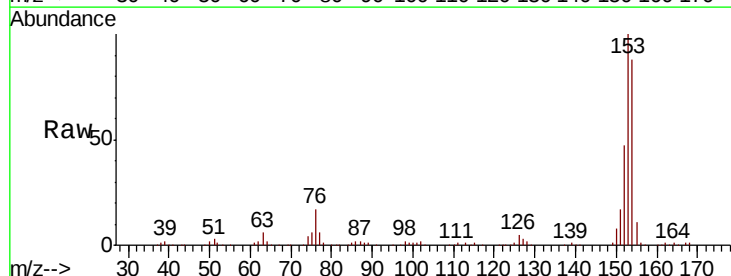


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

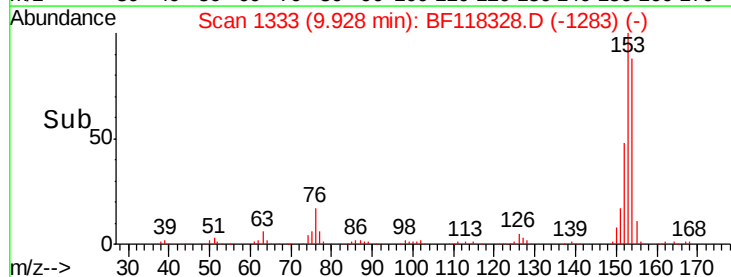
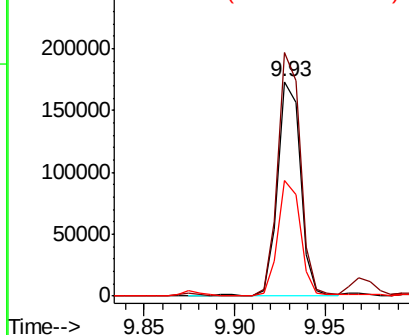


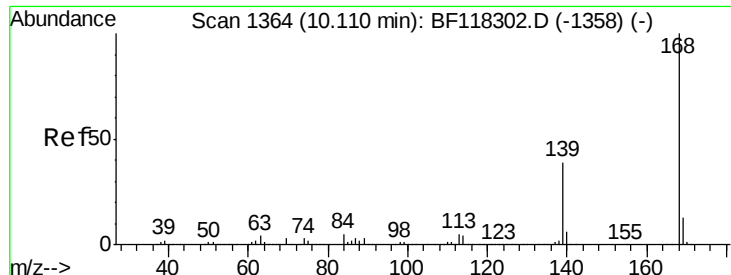
#52
Acenaphthene
Concen: 9.725 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	152929		
153	113.5		90.6	136.0
152	53.8		43.1	64.7



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





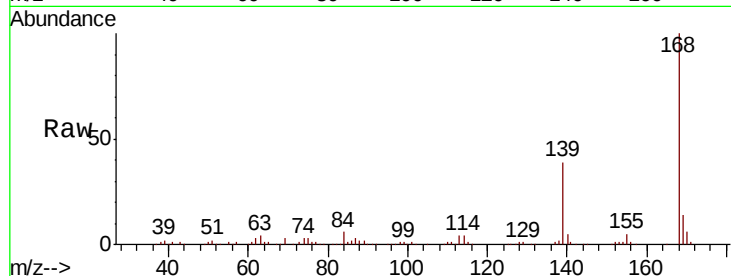
#55
Dibenzenofuran
Concen: 6.237 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.1	31.5	47.3
169	14.3	10.4	15.6

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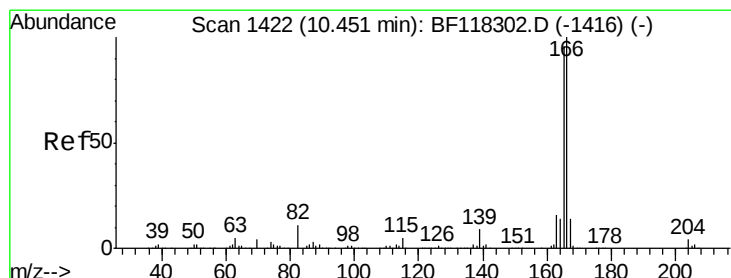
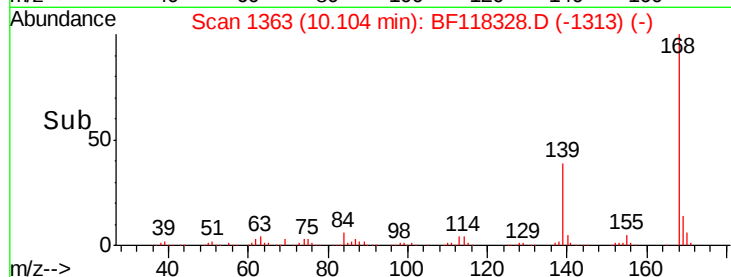
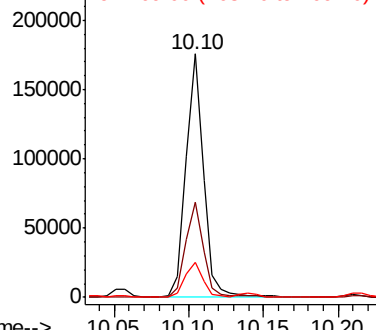


Abundance

Ion 168.00 (167.70 to 168.70): E

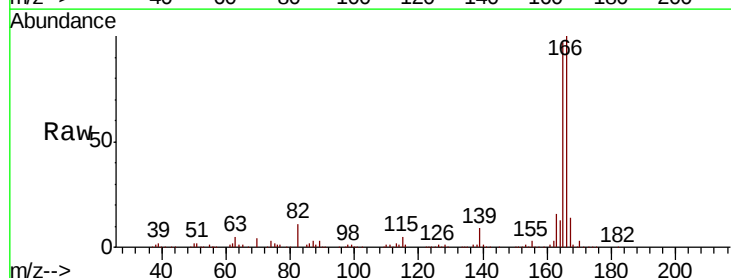
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 10.094 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.0	115.4
167	14.3	10.9	16.3

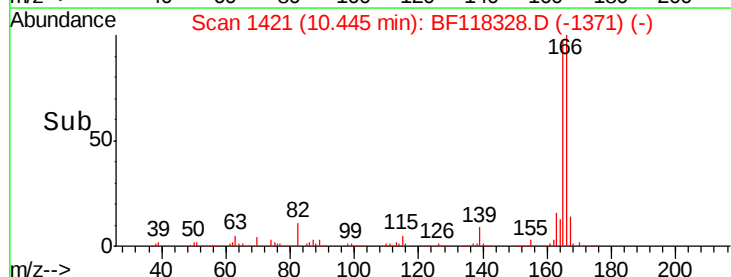
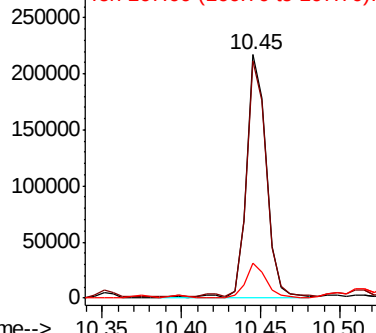


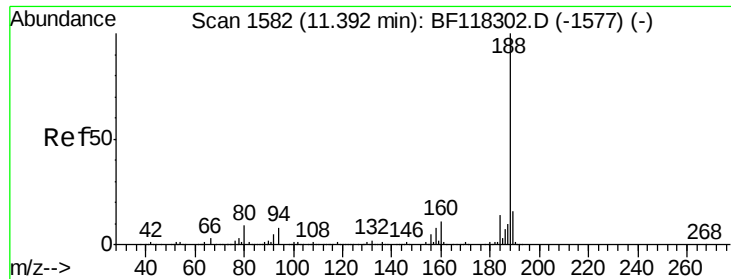
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





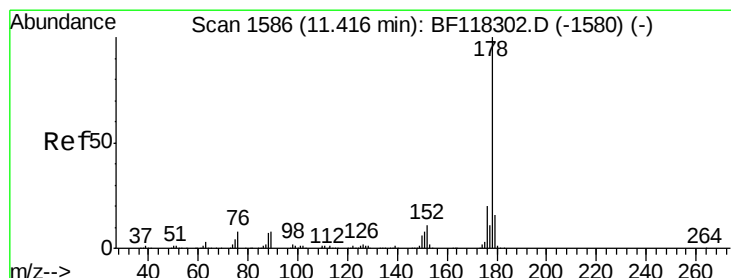
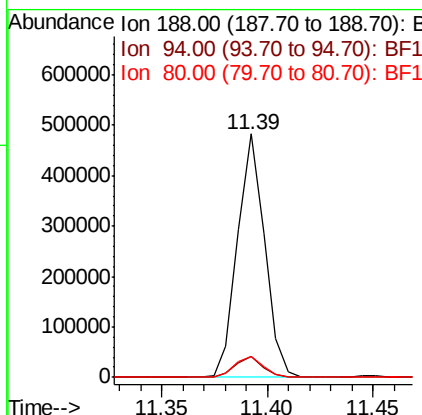
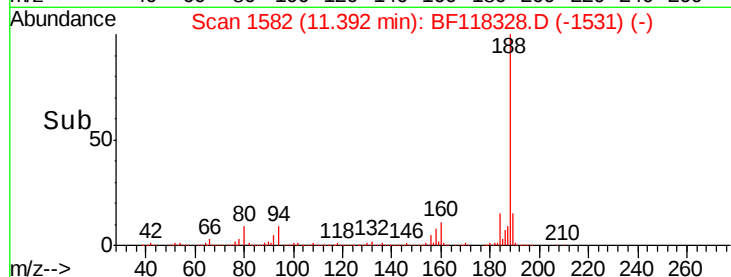
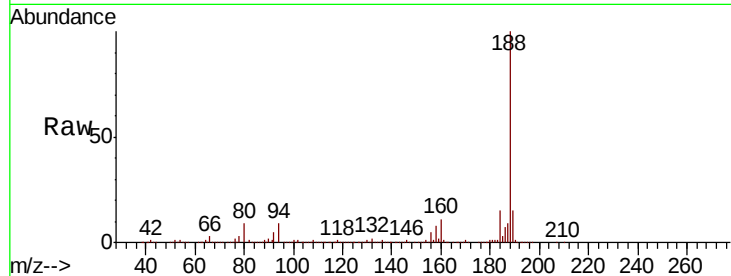
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion:188	Resp:	430119
Ion Ratio	Lower	Upper
188 100		
94 8.5	6.7	10.1
80 8.8	7.2	10.8

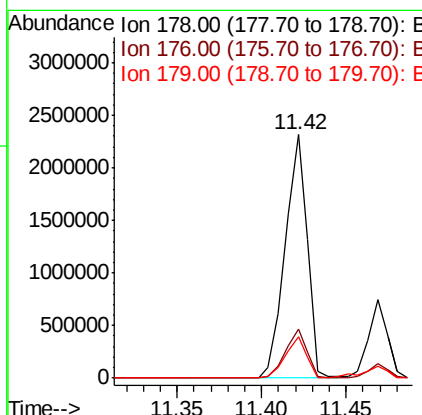
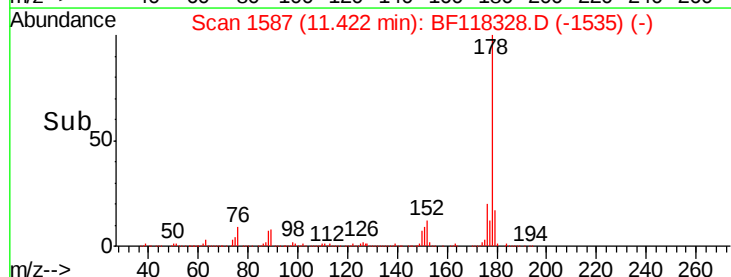
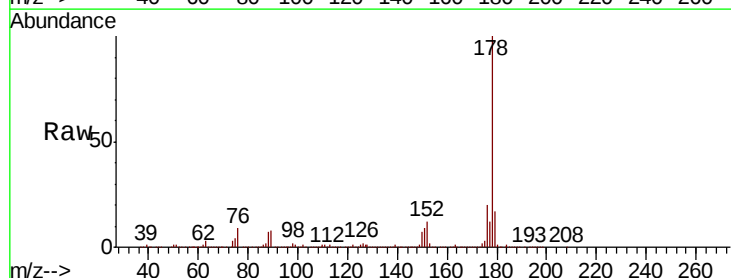
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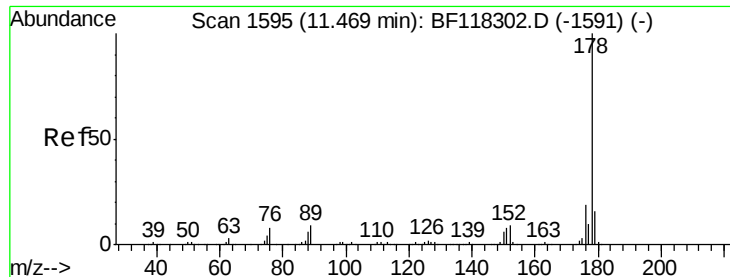
mohammad
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#71
Phenanthrene
Concen: 90.296 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Tgt Ion:178	Resp:	2117258
Ion Ratio	Lower	Upper
178 100		
176 20.1	15.6	23.4
179 16.7	12.6	19.0





#72

Anthracene

Concen: 24.147 ng

RT: 11.47 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BF118328.D

Acq: 26 Dec 2019 20:43

Instrument :

BNA_F

ClientSampleId :

TP-4

Tot Ion:178 Resp: 566738

Ion Ratio Lower Upper

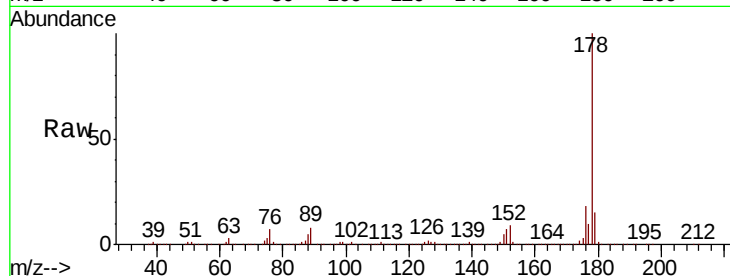
178 100

176 18.0 15.2 22.8

179 14.9 12.9 19.3

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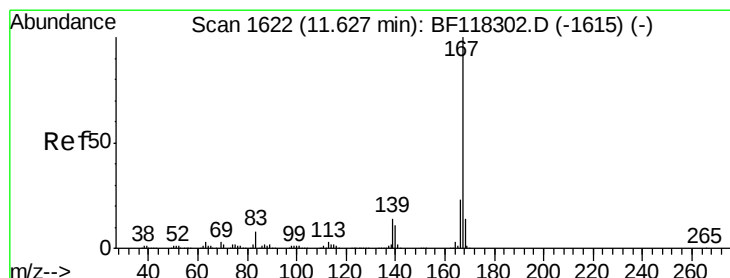
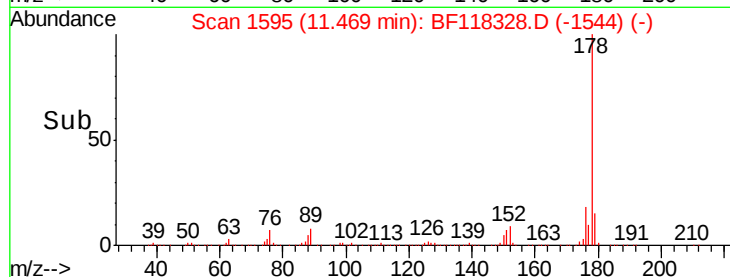
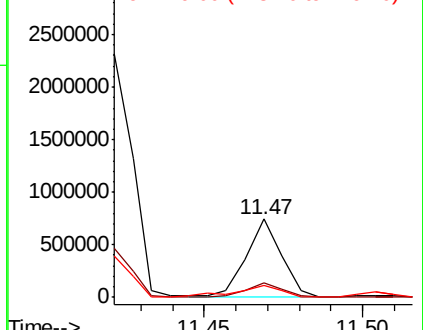


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 11.262 ng

RT: 11.62 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BF118328.D

Acq: 26 Dec 2019 20:43

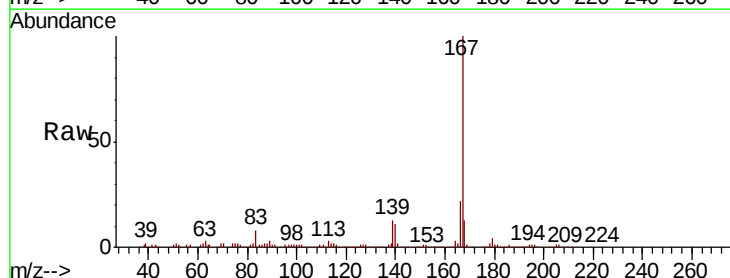
Tgt Ion:167 Resp: 234533

Ion Ratio Lower Upper

167 100

166 21.8 18.1 27.1

139 13.3 11.5 17.3

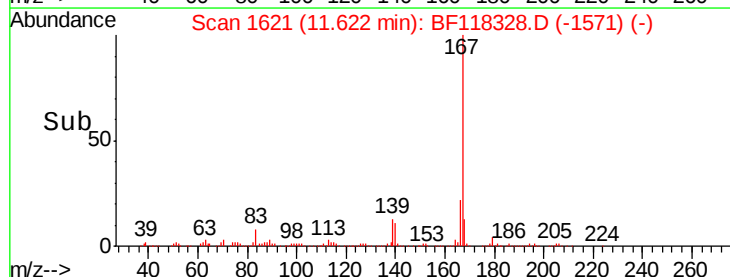
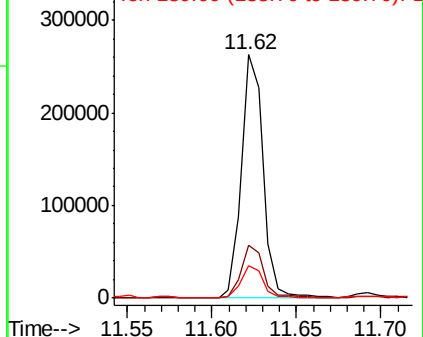


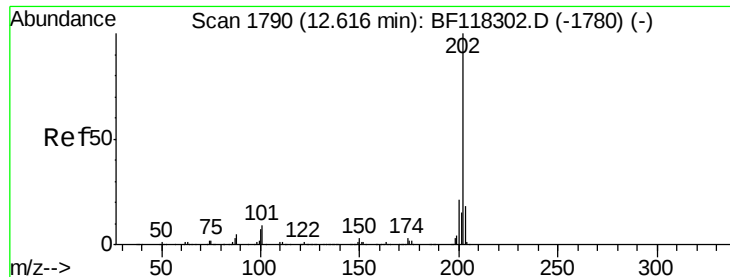
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 108.187 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BF118328.D

Acq: 26 Dec 2019 20:43

Instrument :

BNA_F

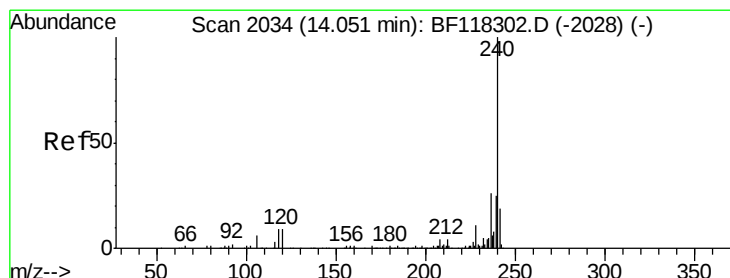
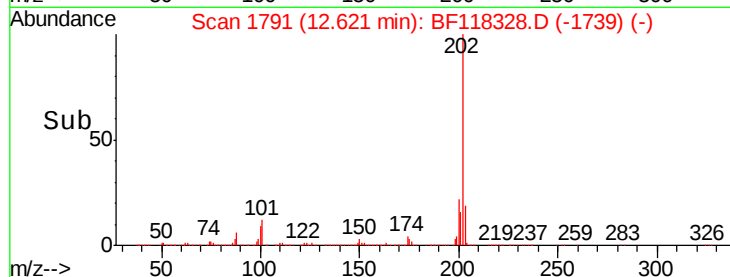
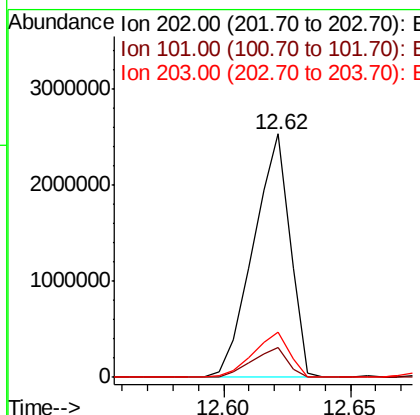
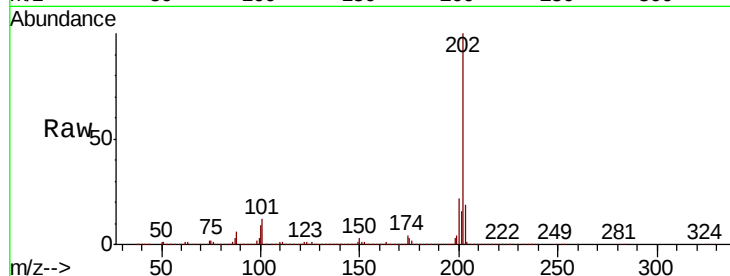
ClientSampleId :

TP-4

Tot Ion:	202	Resp:	2560133
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	29.5
203	18.8	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

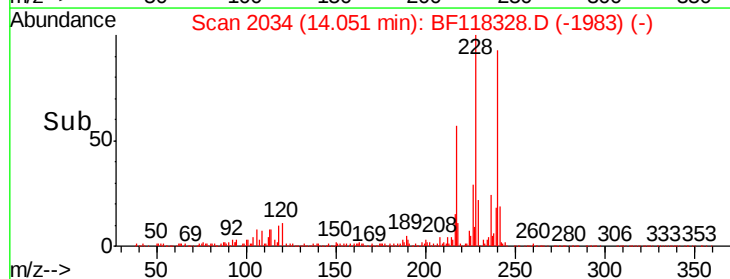
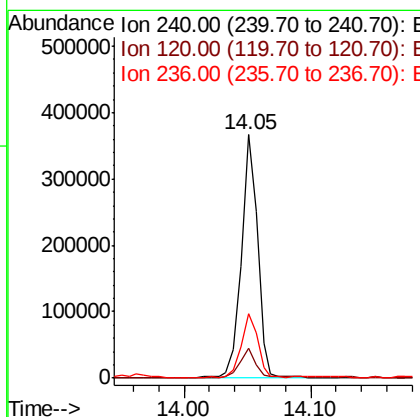
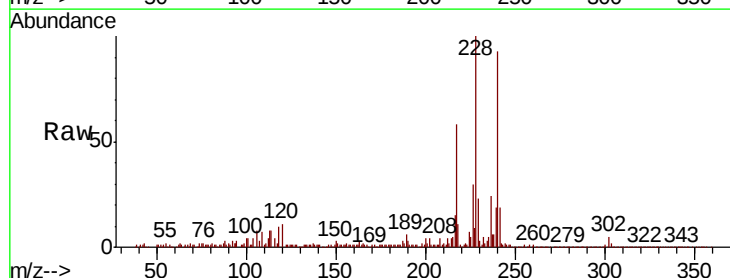
RT: 14.05 min Scan# 2034

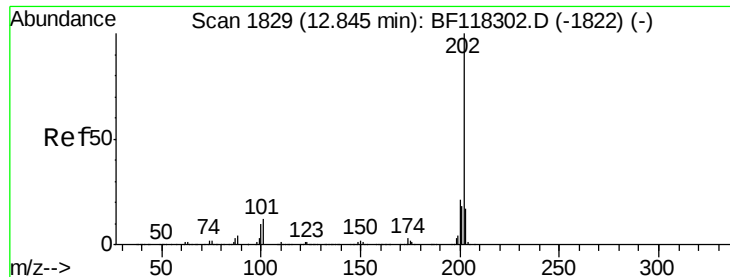
Delta R.T. 0.00 min

Lab File: BF118328.D

Acq: 26 Dec 2019 20:43

Tgt Ion:	240	Resp:	319502
Ion	Ratio	Lower	Upper
240	100		
120	12.3	7.1	10.7#
236	26.2	21.0	31.6





#78

Pvrene

Concen: 84.960 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BF118328.D

Acq: 26 Dec 2019 20:43

Instrument :

BNA_F

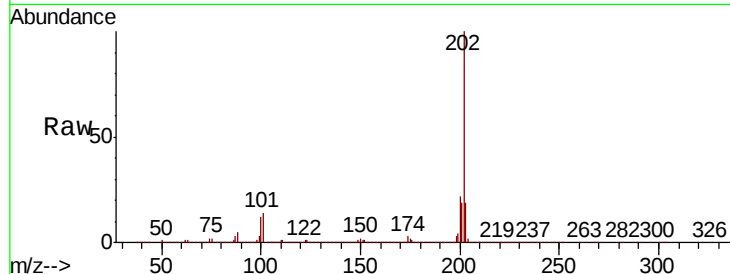
ClientSampled :

TP-4

Tot Ion:	202	Resp:	2216665
Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.8	25.2
203	19.1	13.9	20.9

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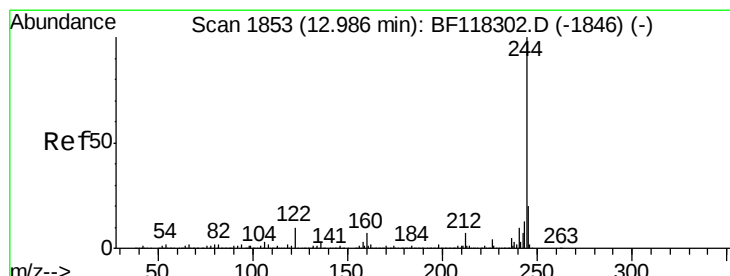
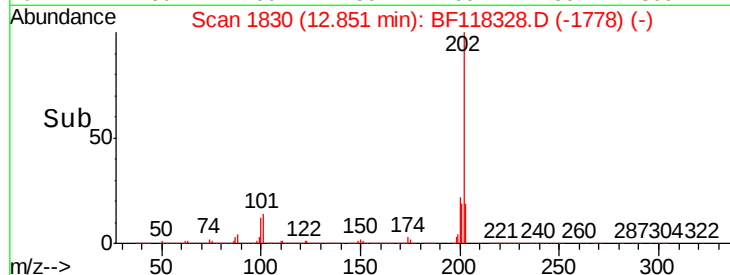
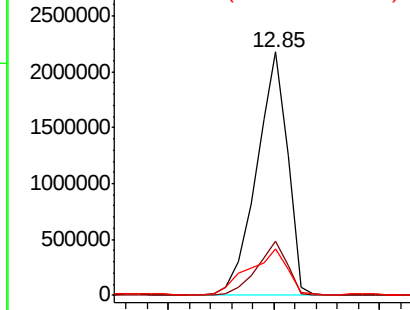


Abundance

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: 21.685 ng

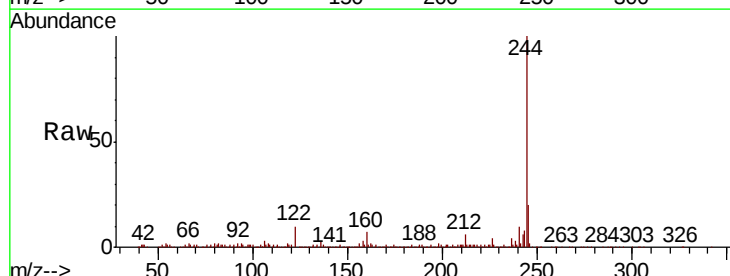
RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF118328.D

Acq: 26 Dec 2019 20:43

Tgt Ion:	244	Resp:	417609
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	9.7	7.8	11.8

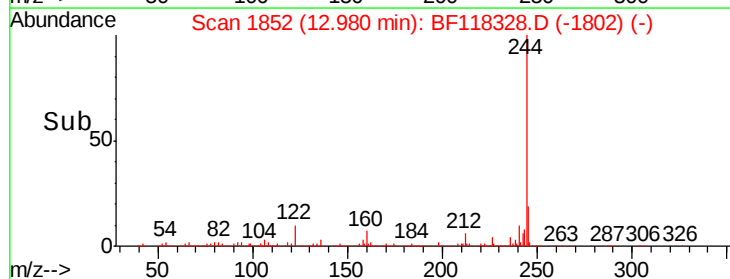
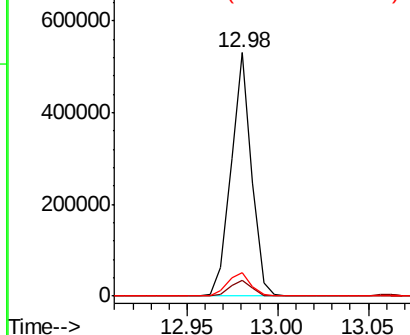


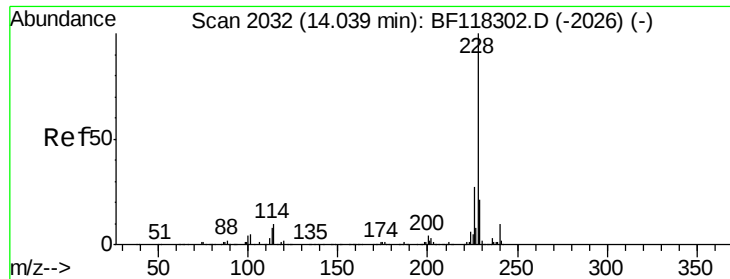
Abundance

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





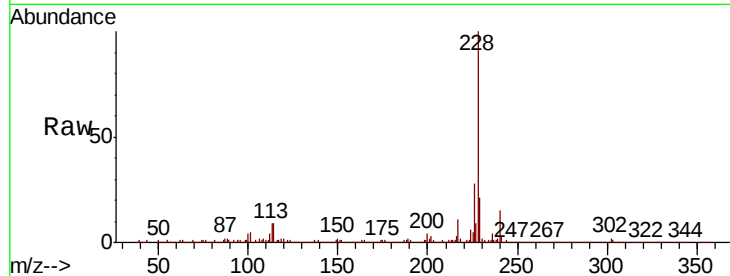
#81
Benzo(a)anthracene
Concen: 58.474 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Instrument :
BNA_F
ClientSampleId :
TP-4

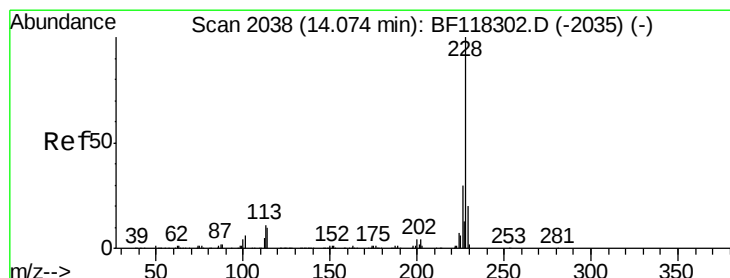
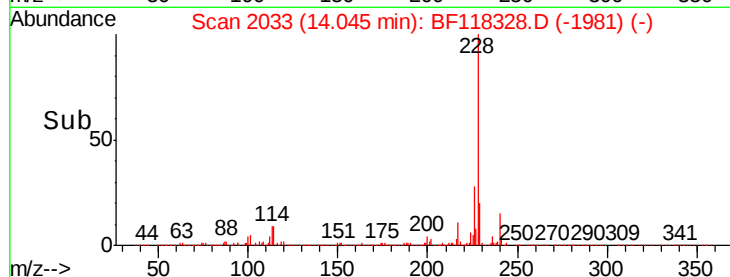
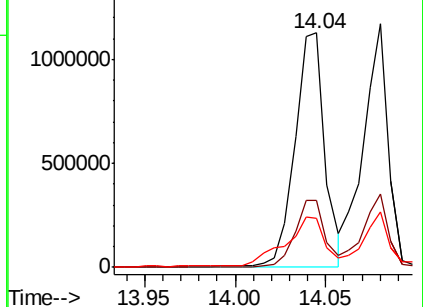
Tot Ion:228 Resp: 1307716
Ion Ratio Lower Upper
228 100
226 28.5 22.0 33.0
229 20.7 16.6 24.8

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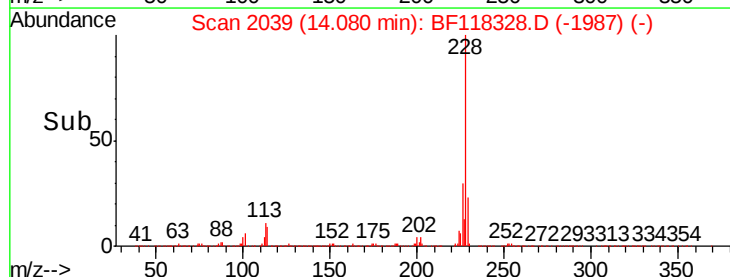
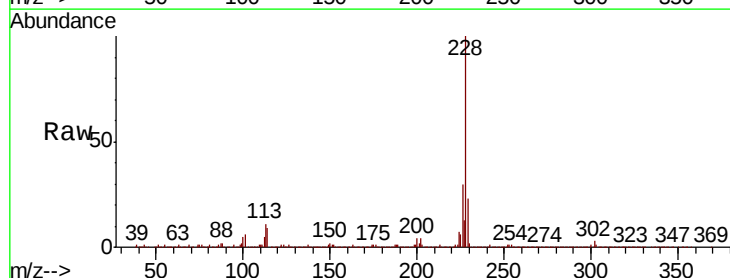
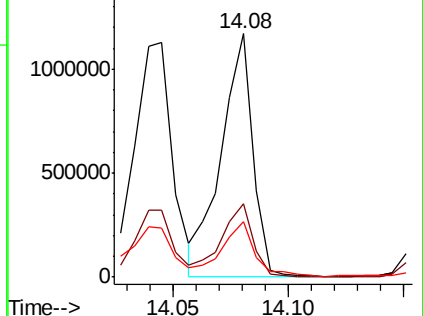
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

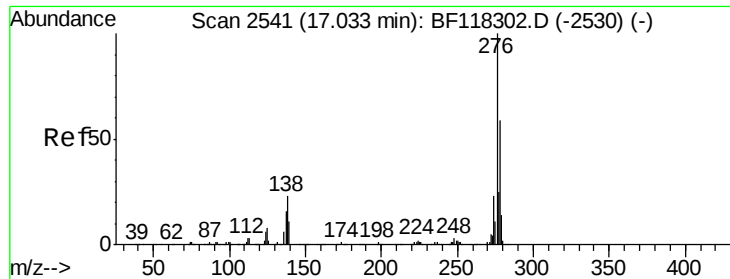


#83
Chrysene
Concen: 52.063 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Tgt Ion:228 Resp: 1114878
Ion Ratio Lower Upper
228 100
226 30.2 23.9 35.9
229 23.0 16.1 24.1

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





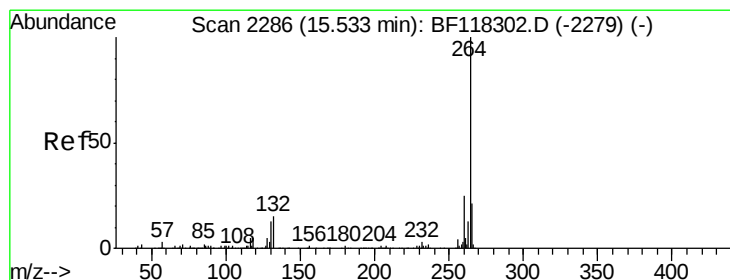
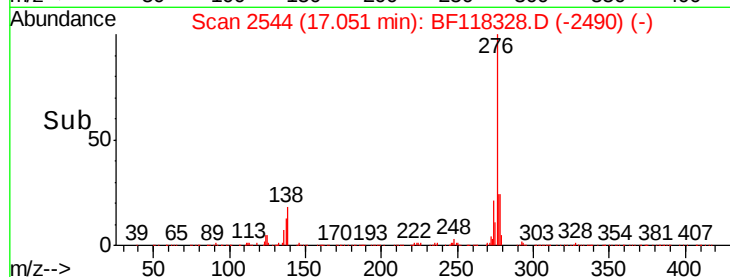
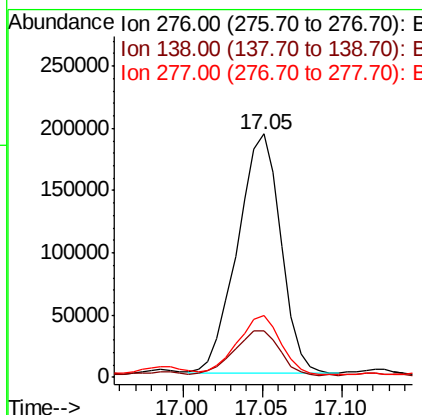
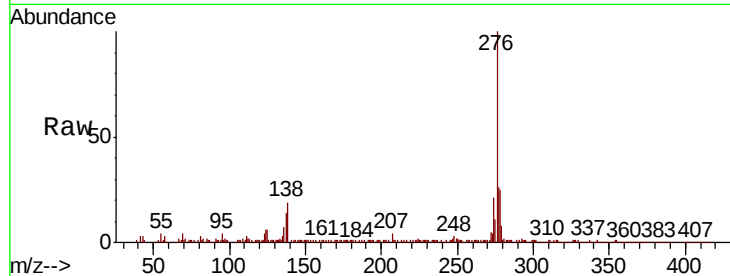
#86
Indeno(1,2,3-cd)pyrene
Concen: 20.142 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.02 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	19.5	29.3#
277	24.7	20.6	30.8

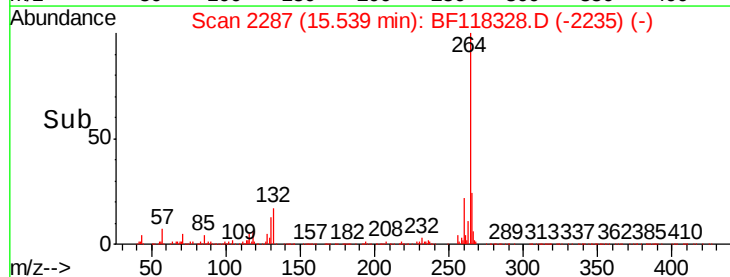
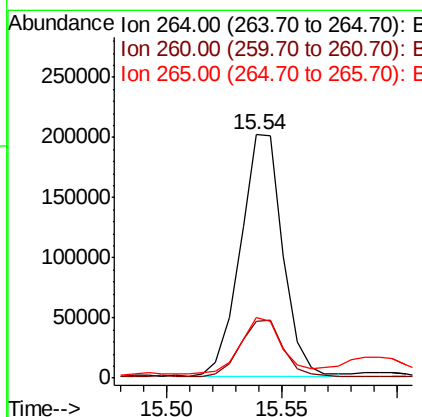
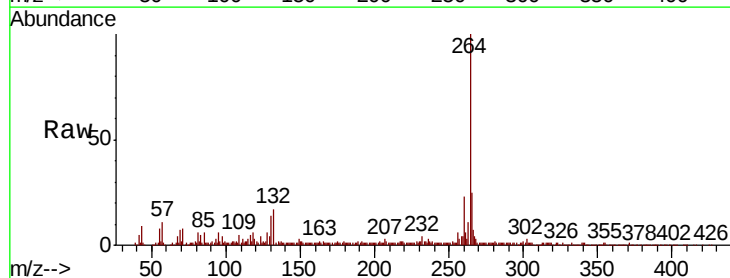
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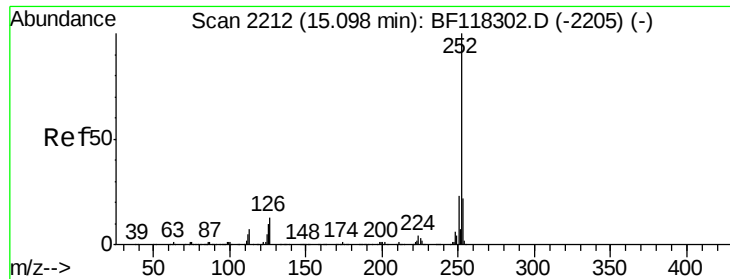
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.8	29.6
265	24.9	17.0	25.4





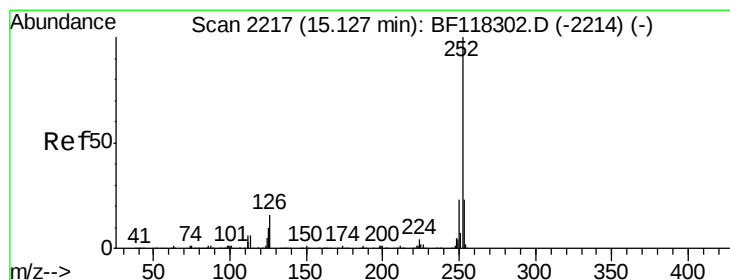
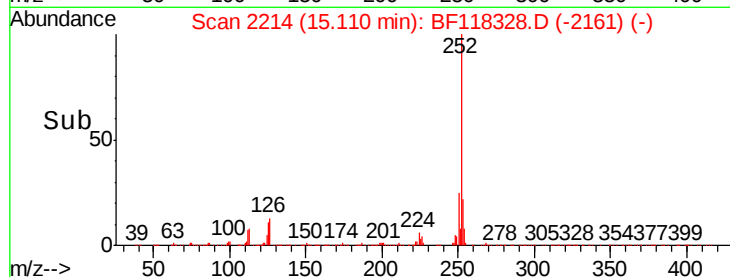
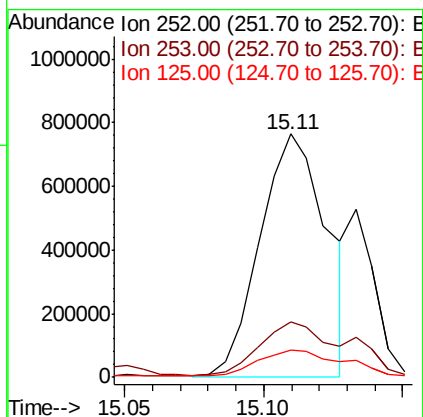
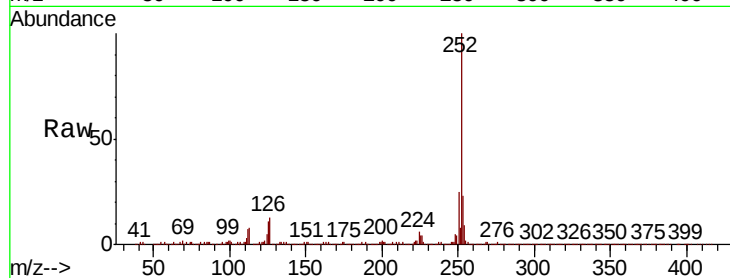
#88
Benzo(b)fluoranthene
Concen: 75.315 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	11.1	7.7	11.5

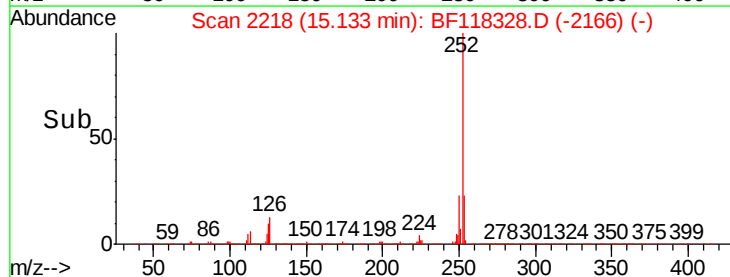
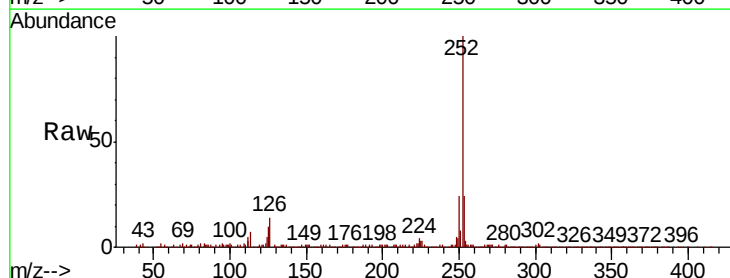
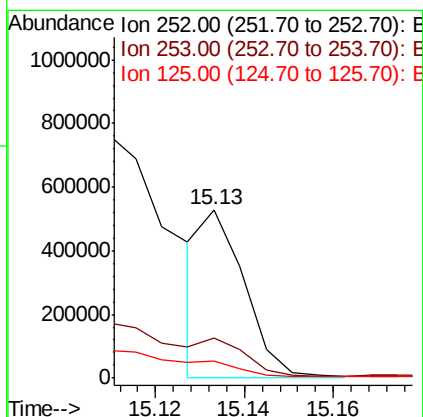
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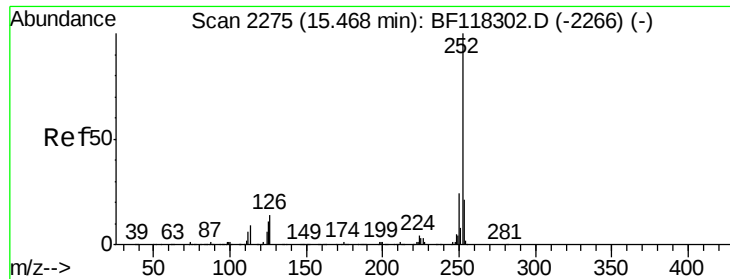
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#89
Benzo(k)fluoranthene
Concen: 21.602 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	10.4	8.0	12.0





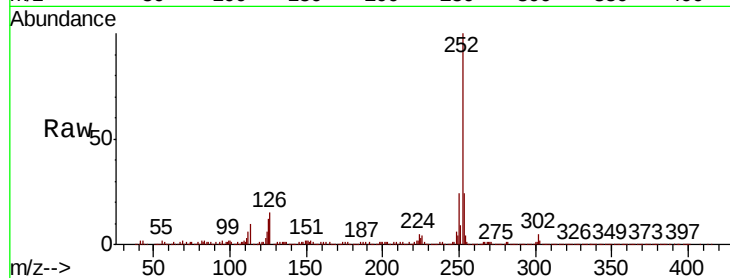
#90
Benzo(a)pyrene
Concen: 51.154 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Instrument :
BNA_F
ClientSampleId :
TP-4

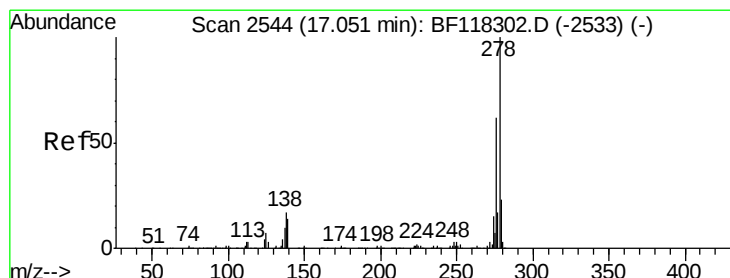
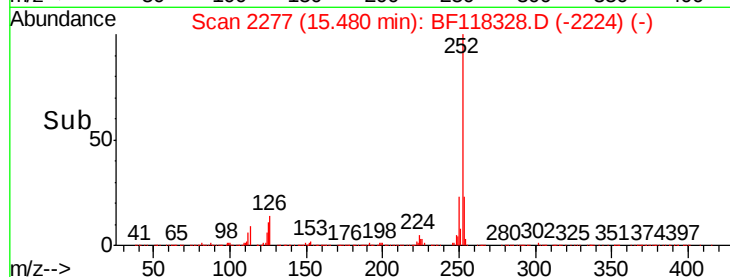
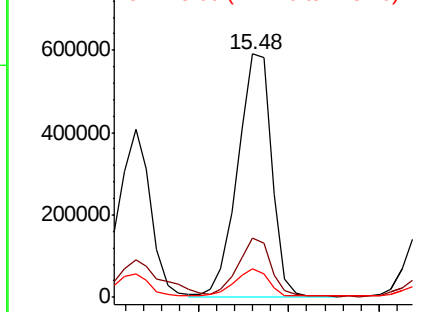
Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.5	17.0	25.6
125	11.8	9.0	13.4

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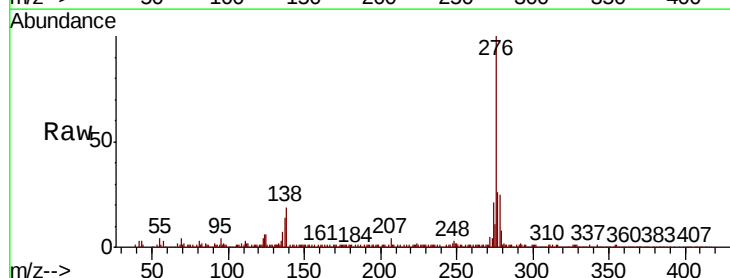


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

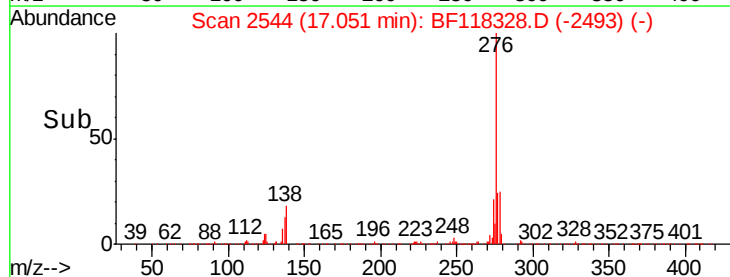
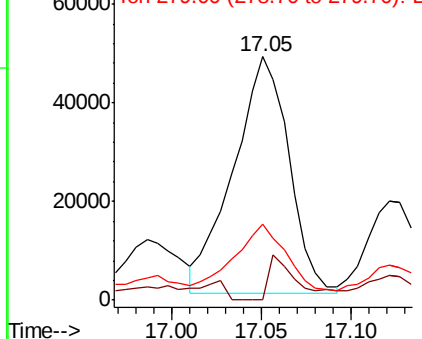


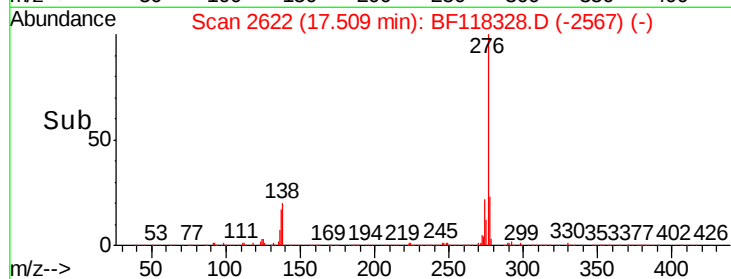
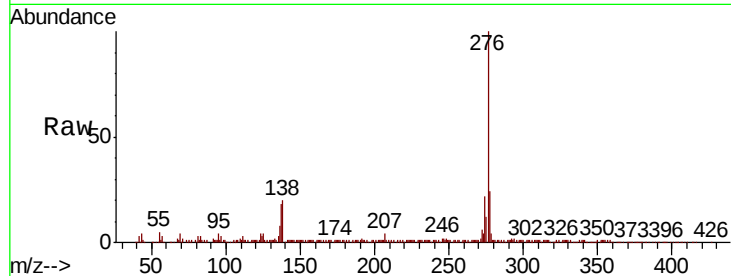
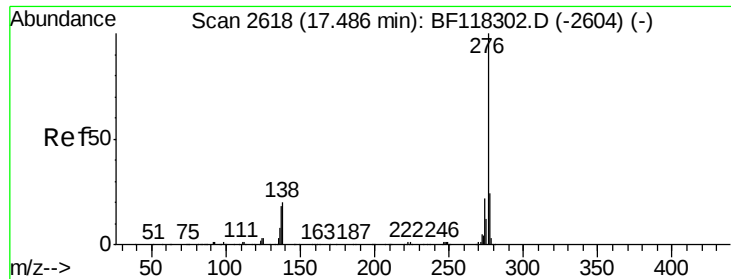
#91
Dibenzo(a,h)anthracene
Concen: 7.976 ng m
RT: 17.05 min Scan# 2544
Delta R.T. 0.00 min
Lab File: BF118328.D
Acq: 26 Dec 2019 20:43

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	0.0	11.5	17.3#
279	31.0	18.3	27.5#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 27.006 ng
 RT: 17.51 min Scan# 2622
 Delta R.T. 0.02 min
 Lab File: BF118328.D
 Acq: 26 Dec 2019 20:43

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.1	28.7
138	20.4	16.1	24.1

Manual Integrations
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