

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\
 Data File : BF115738.D
 Acq On : 23 Jul 2019 23:55
 Operator : HP/JU
 Sample : K3943-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-71619

Manual Integrations
 APPROVED

mohammad
 7/24/2019 11:35:09 AM

Quant Time: Jul 24 07:29:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	162563	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	604227	20.00	ng	-0.02
39) Acenaphthene-d10	9.91	164	276054	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	357611	20.00	ng	0.00
76) Chrysene-d12	14.06	240	276078	20.00	ng	0.00
87) Perylene-d12	15.53	264	307250	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	510692	51.39	ng	-0.01
7) Phenol-d6	6.50	99	656093	52.03	ng	-0.02
23) Nitrobenzene-d5	7.43	82	405788	39.05	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	125369	38.91	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	733712	46.52	ng	-0.02
79) Terphenyl-d14	12.99	244	543257	36.31	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.17	128	1090523	37.266	ng	97
37) 2-Methylnaphthalene	8.87	142	785469	40.493	ng	97
38) 1-Methylnaphthalene	8.97	142	673861	36.574	ng	97
46) 1,1'-Biphenyl	9.33	154	135065	6.258	ng	96
49) Acenaphthylene	9.77	152	741794	27.859	ng	97
50) Dimethylphthalate	9.62	163	106661	5.135	ng	# 98
52) Acenaphthene	9.95	154	395290	22.994	ng	97
55) Dibenzofuran	10.12	168	297080	12.169	ng	# 94
58) Fluorene	10.46	166	776608	44.498	ng	98
71) Phenanthrene	11.44	178	3125231	170.491	ng	100
72) Anthracene	11.48	178	963662	50.868	ng	99
73) Carbazole	11.63	167	129264	7.781	ng	# 86
75) Fluoranthene	12.64	202	2791894	144.129	ng	98
78) Pyrene	12.87	202	3326977	142.237	ng	98
81) Benzo(a)anthracene	14.04	228	1931506m	106.196	ng	
83) Chrysene	14.09	228	1821147	99.743	ng	96
86) Indeno(1,2,3-cd)pyrene	17.03	276	824167	53.131	ng	98
88) Benzo(b)fluoranthene	15.11	252	1853597m	93.690	ng	
89) Benzo(k)fluoranthene	15.13	252	677107m	38.387	ng	
90) Benzo(a)pyrene	15.48	252	1447385	85.118	ng	97
91) Dibenz(a,h)anthracene	17.03	278	223196	14.951	ng	# 89
92) Benzo(g,h,i)perylene	17.48	276	861471	57.862	ng	97

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

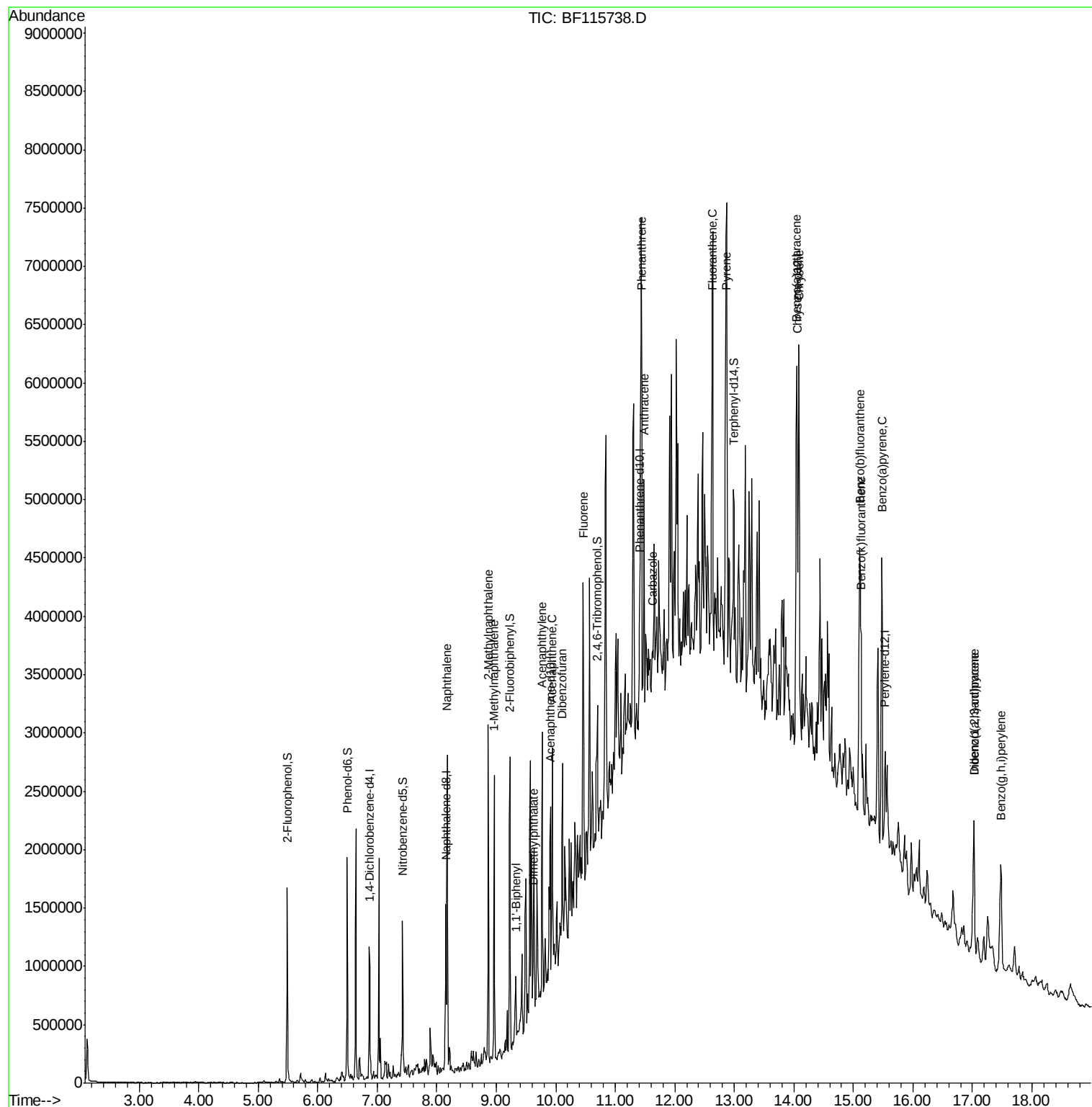
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\
Data File : BF115738.D
Acq On : 23 Jul 2019 23:55
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Quant Time: Jul 24 07:29:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
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#1

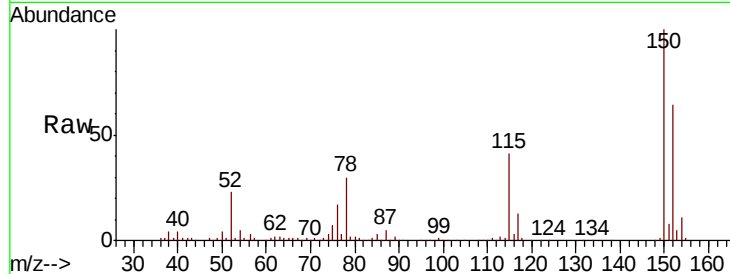
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Instrument :
BNA_F
ClientSampleId :
PA-71619

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	129.7	194.5
115	63.8	48.2	72.4

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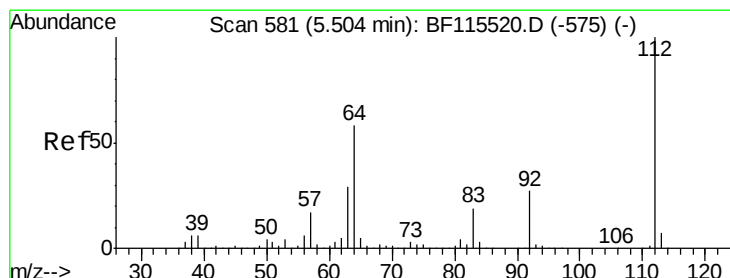
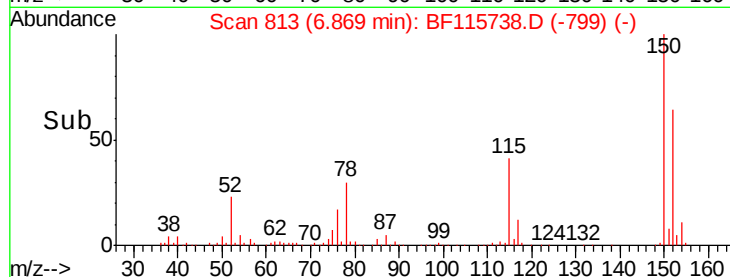
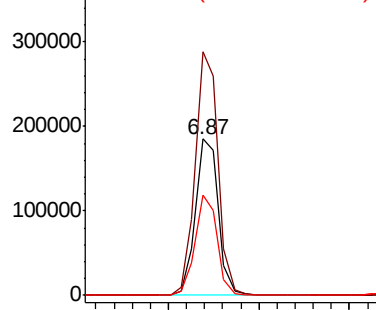


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

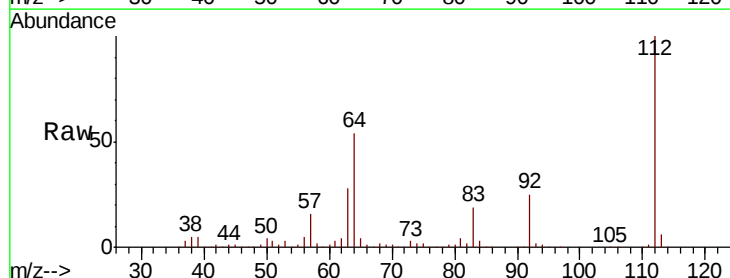
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.386 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	46.8	70.2
63	27.9	24.1	36.1

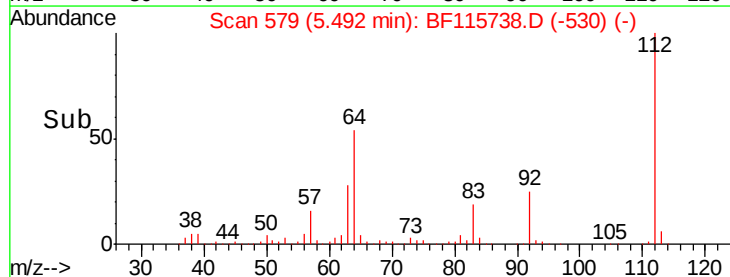
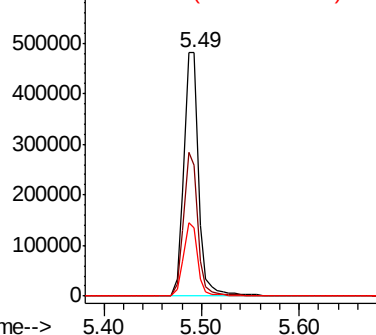


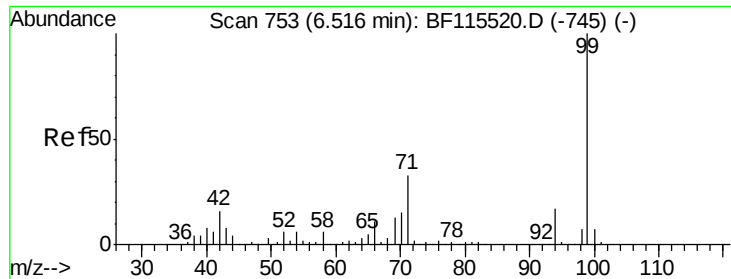
Abundance

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: 52.027 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF115738.D

Acq: 23 Jul 2019 23:55

Instrument :

BNA_F

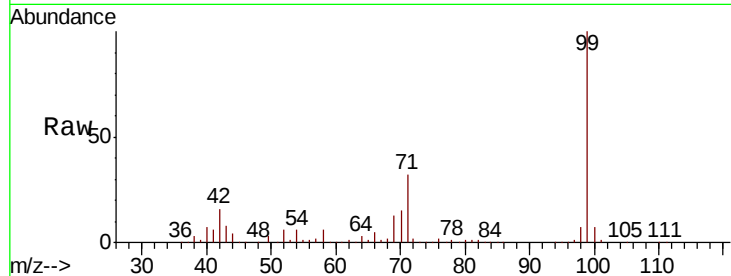
ClientSampleId :

PA-71619

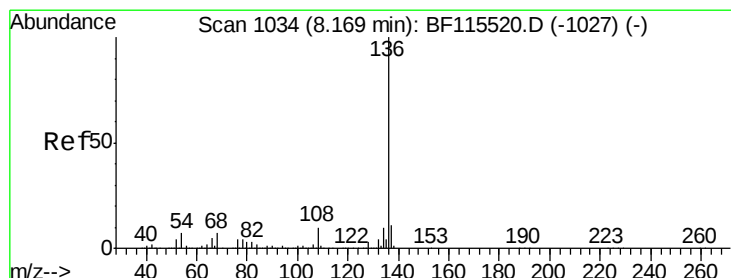
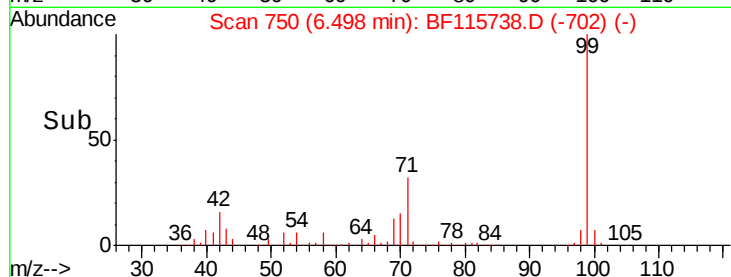
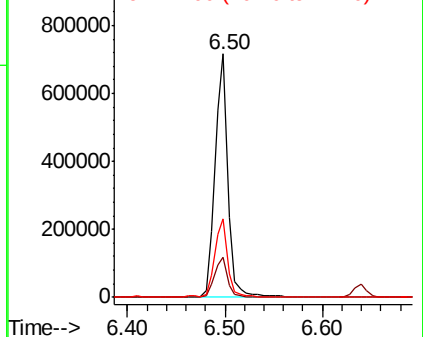
Tot Ion:	99	Resp:	656093
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.6	20.4
71	32.4	28.5	42.7

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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

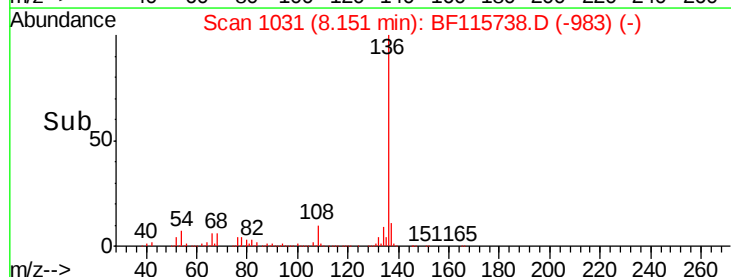
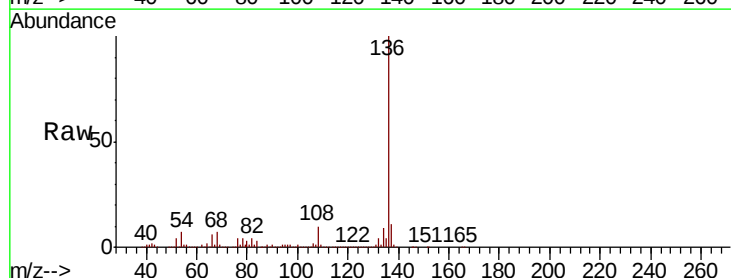
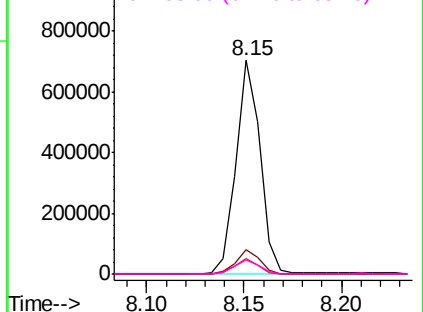
Delta R.T. -0.02 min

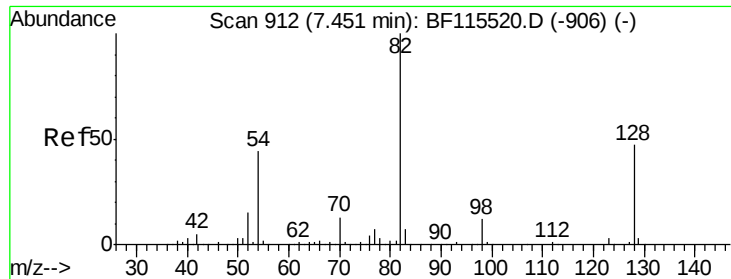
Lab File: BF115738.D

Acq: 23 Jul 2019 23:55

Tgt Ion:	136	Resp:	604227
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	7.3	5.6	8.4
68	6.5	5.0	7.6

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: 39.050 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.02 min

Lab File: BF115738.D

Acq: 23 Jul 2019 23:55

Instrument :

BNA_F

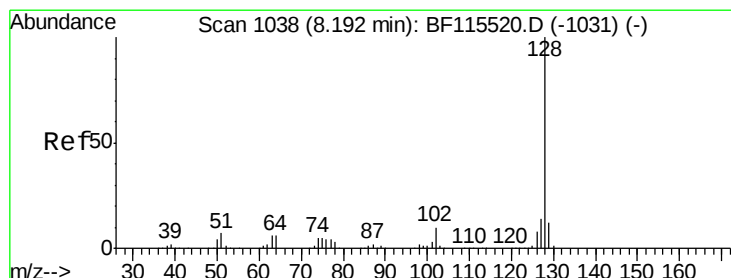
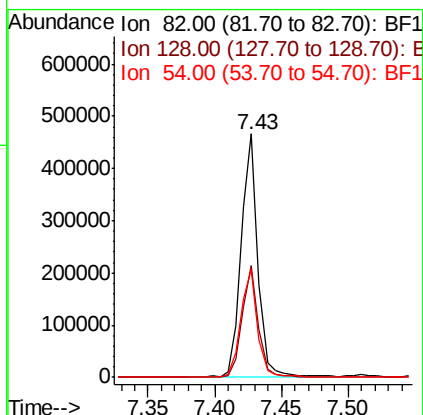
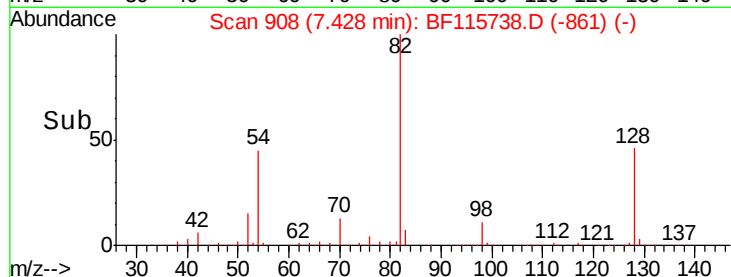
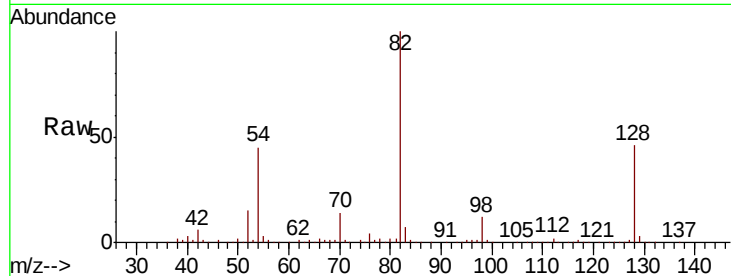
ClientSampleId :

PA-71619

Tot Ion:	82	Resp:	405788
Ion Ratio	Lower	Upper	
82	100		
128	45.7	38.6	57.8
54	44.5	35.6	53.4

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#31

Naphthalene

Concen: 37.266 ng

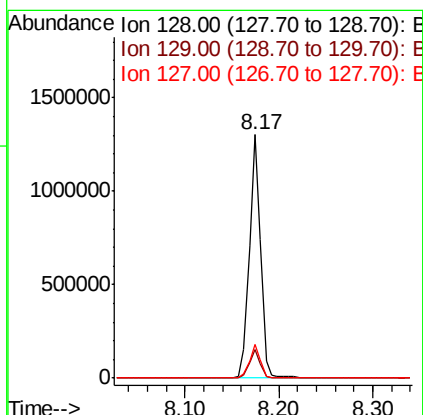
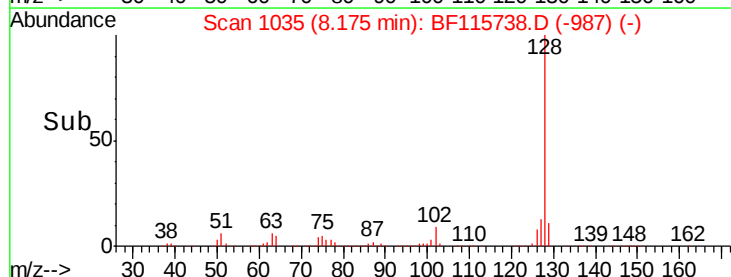
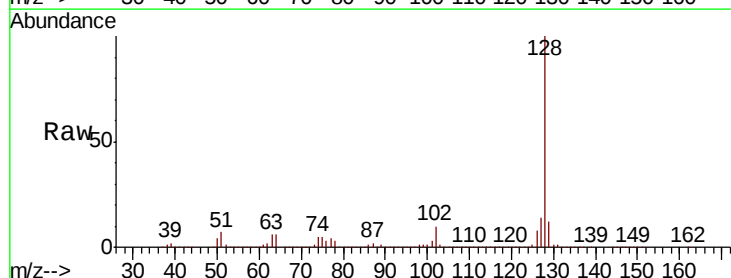
RT: 8.17 min Scan# 1035

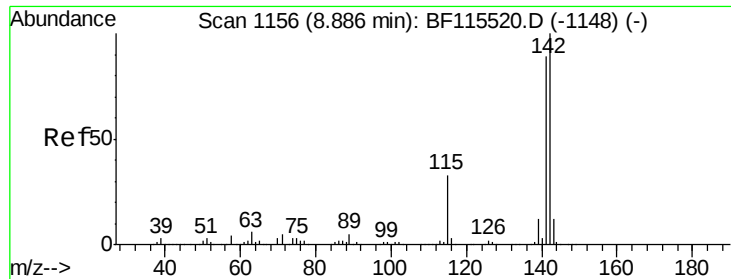
Delta R.T. -0.02 min

Lab File: BF115738.D

Acq: 23 Jul 2019 23:55

Tgt Ion:	128	Resp:	1090523
Ion Ratio	Lower	Upper	
128	100		
129	11.7	9.9	14.9
127	13.7	12.1	18.1





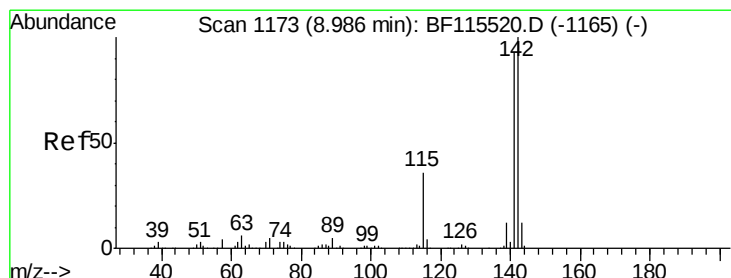
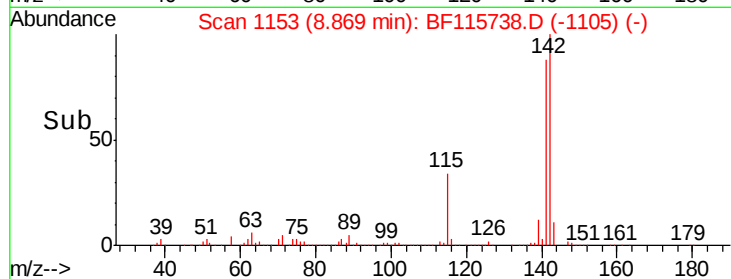
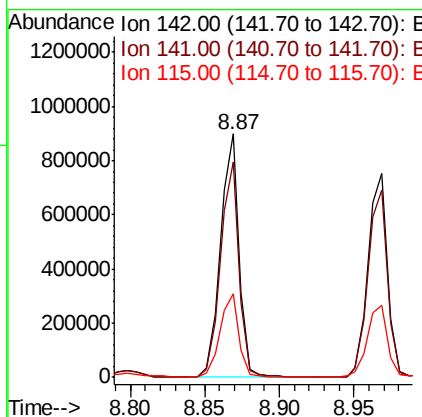
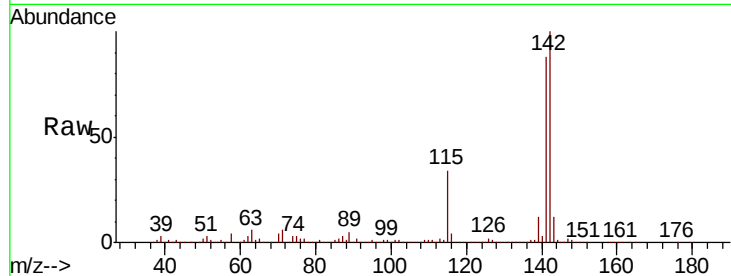
#37
2-Methylnaphthalene
Concen: 40.493 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.02 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Instrument :
BNA_F
ClientSampleId :
PA-71619

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.0	108.0
115	34.4	29.9	44.9

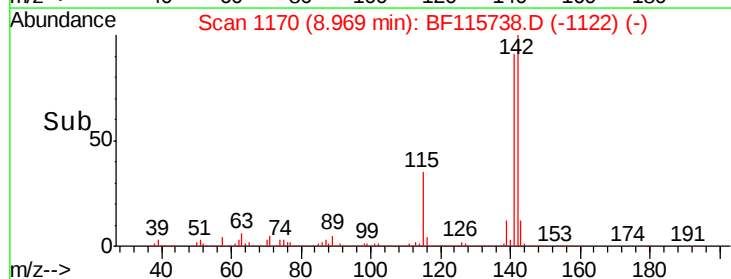
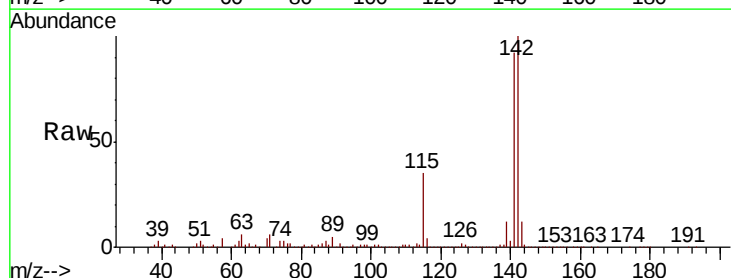
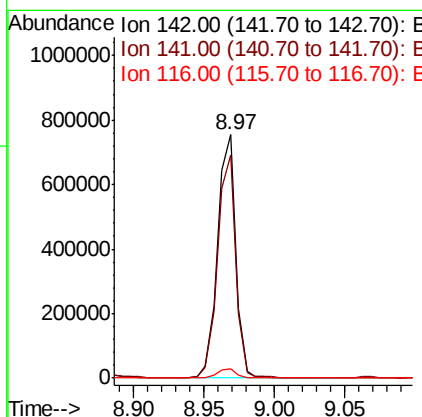
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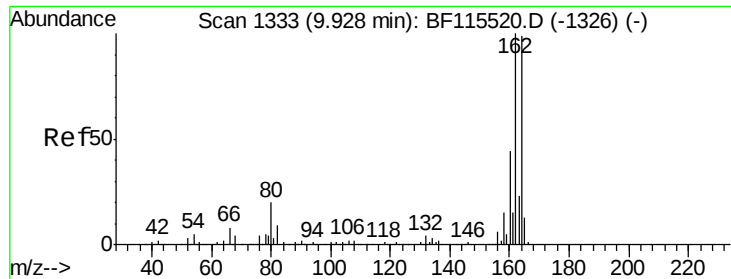
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#38
1-Methylnaphthalene
Concen: 36.574 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	75.3	112.9
116	3.8	3.3	4.9





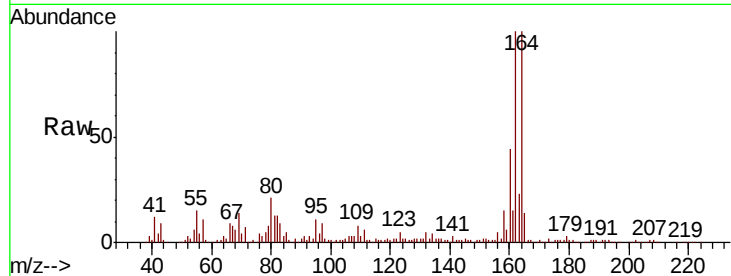
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.02 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Instrument :
BNA_F
ClientSampleId :
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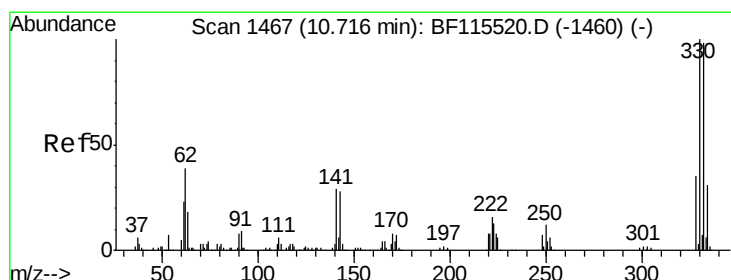
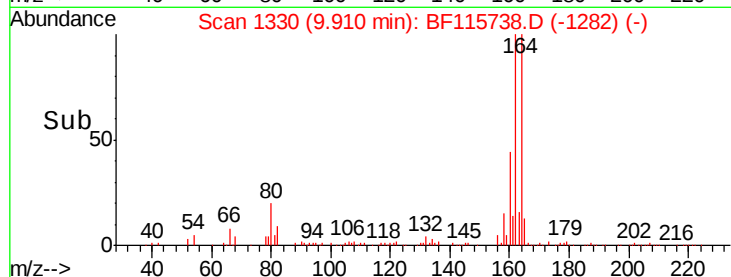
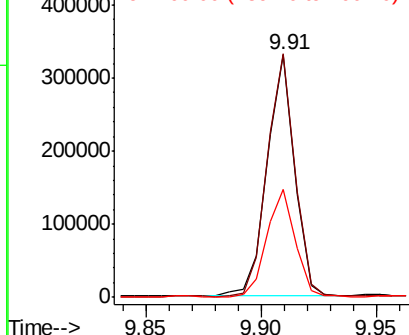
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.3	82.9	124.3	
160	44.3	36.8	55.2	

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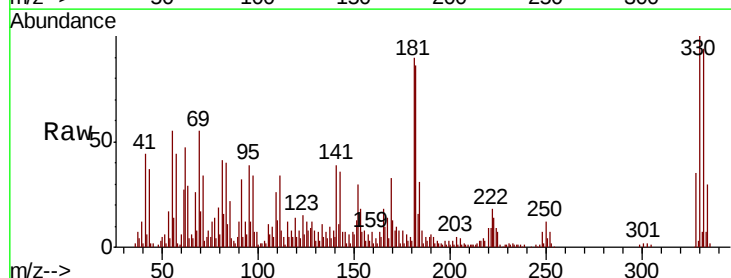


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

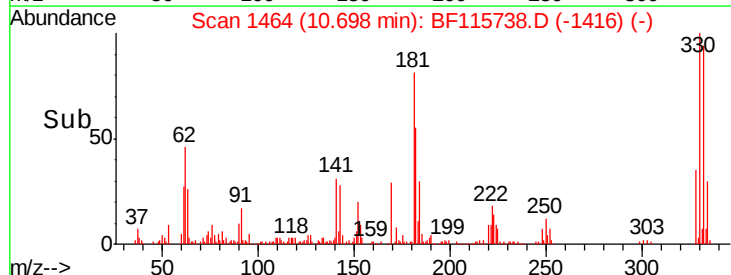
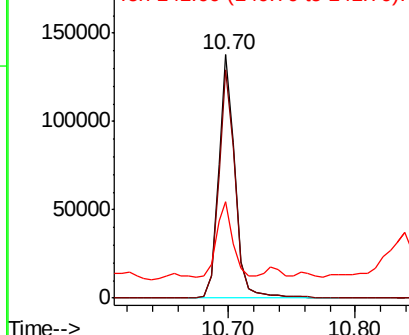


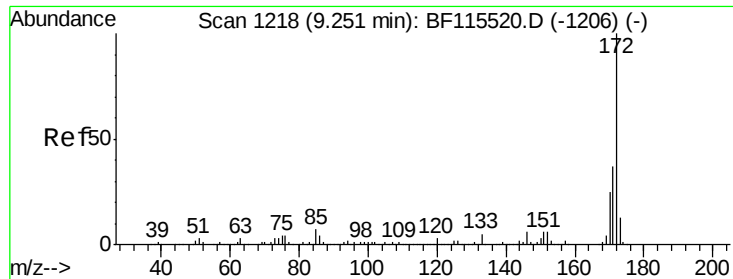
#42
2,4,6-Tribromophenol
Concen: 38.908 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.02 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.8	77.4	116.2	
141	30.9	22.4	33.6	



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





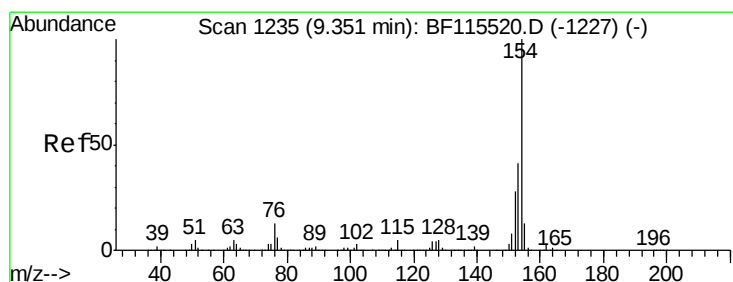
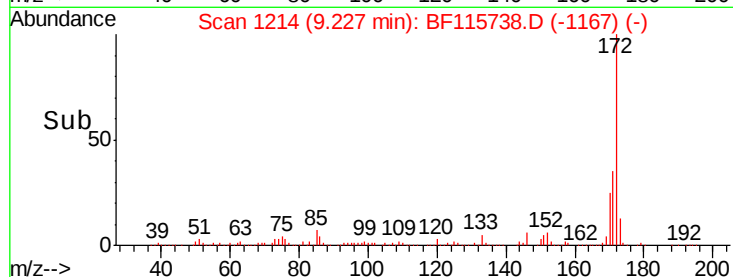
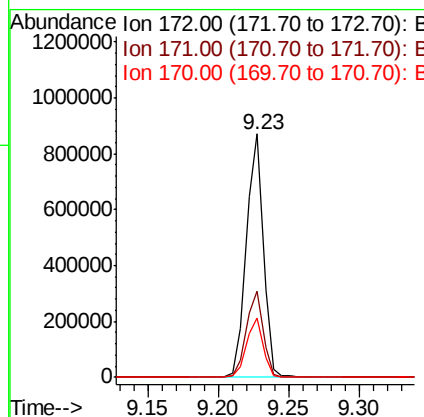
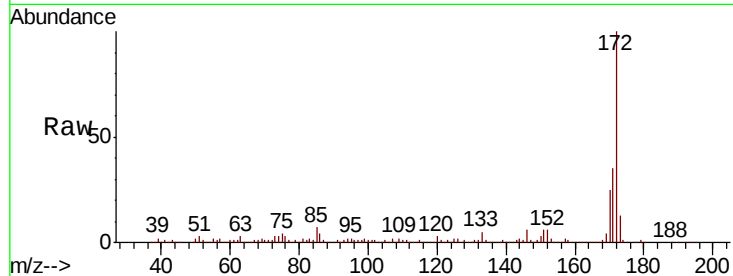
#45
2-Fluorobiphenyl
Concen: 46.520 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.02 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Instrument :
BNA_F
ClientSampleId :
PA-71619

Tot Ion	Ratio	Resp	Lower	Upper
172	100	733712		
171	35.3		30.6	46.0
170	24.5		20.5	30.7

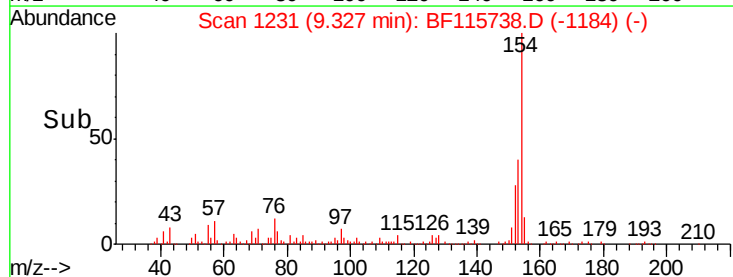
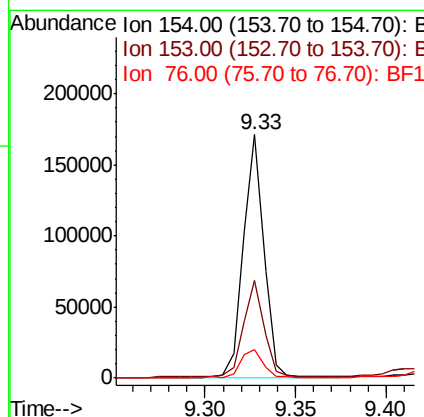
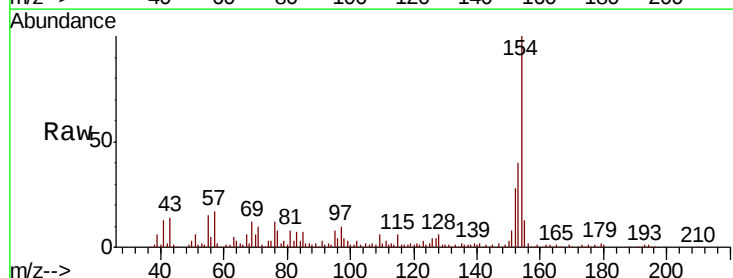
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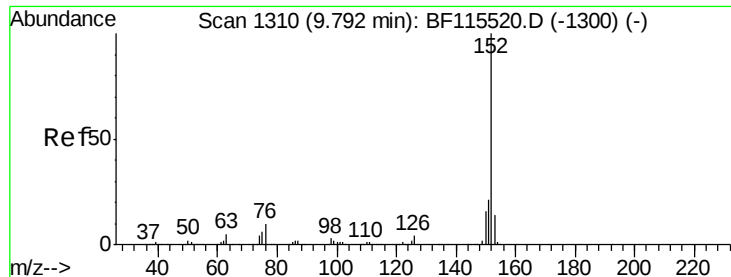
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#46
1,1'-Biphenyl
Concen: 6.258 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.02 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	135065		
153	40.0		22.6	62.6
76	12.0		0.0	33.4





#49

Acenaphthylene

Concen: 27.859 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF115738.D

Acq: 23 Jul 2019 23:55

Instrument :

BNA_F

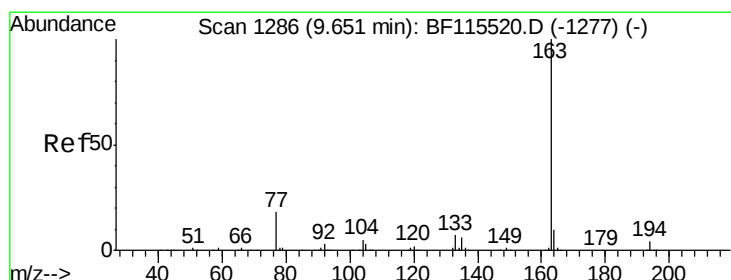
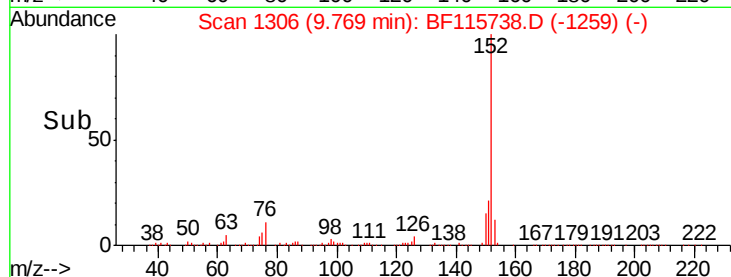
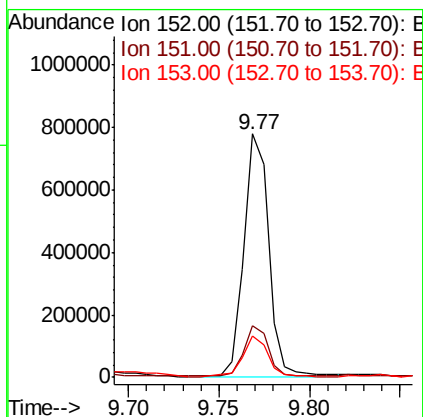
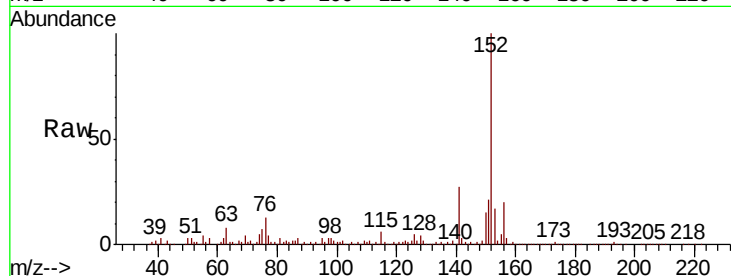
ClientSampleId :

PA-71619

Tot Ion:	152	Resp:	741794
Ion Ratio	Lower	Upper	
152	100		
151	21.2	17.7	26.5
153	16.8	12.0	18.0

Manual Integrations
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#50

Dimethylphthalate

Concen: 5.135 ng

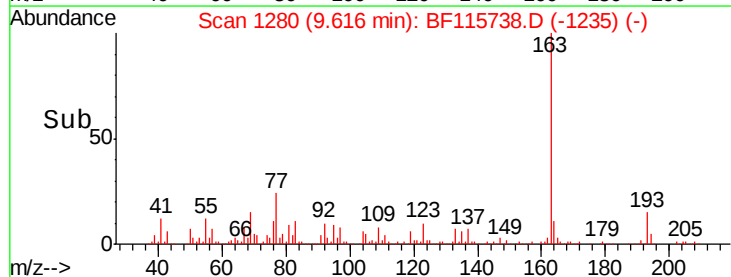
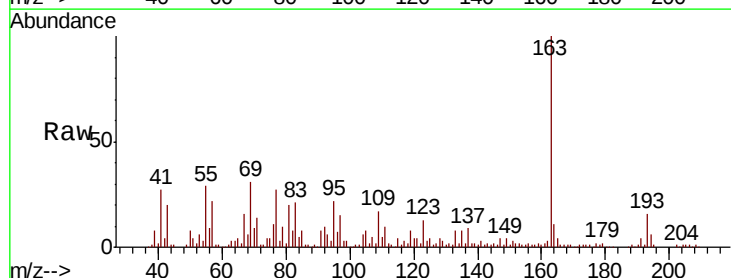
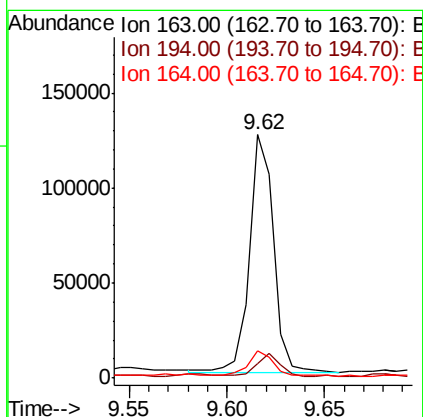
RT: 9.62 min Scan# 1280

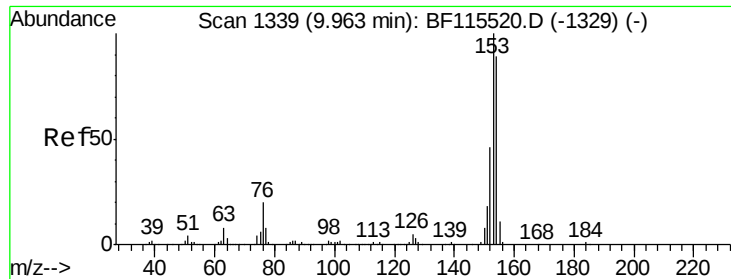
Delta R.T. -0.04 min

Lab File: BF115738.D

Acq: 23 Jul 2019 23:55

Tgt Ion:	163	Resp:	106661
Ion Ratio	Lower	Upper	
163	100		
194	6.1	3.3	4.9#
164	11.3	8.7	13.1





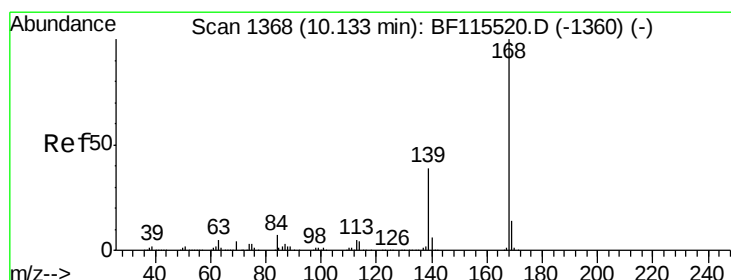
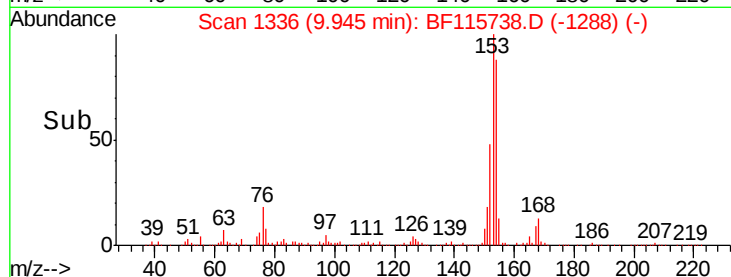
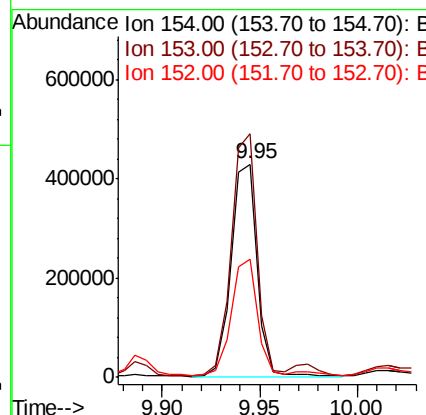
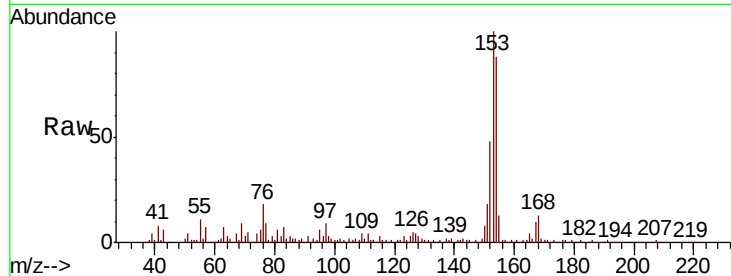
#52
Acenaphthene
Concen: 22.994 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Instrument :
BNA_F
ClientSampleId :
PA-71619

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.1	88.6	133.0
152	55.3	42.3	63.5

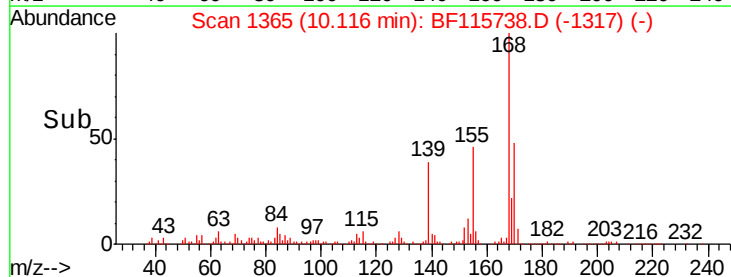
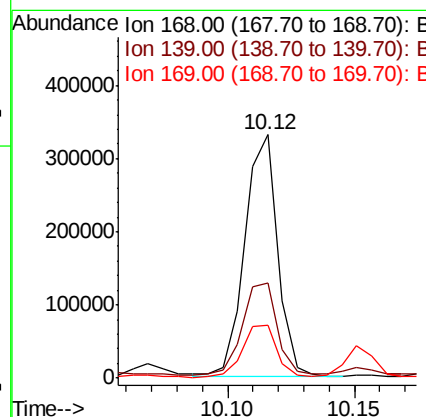
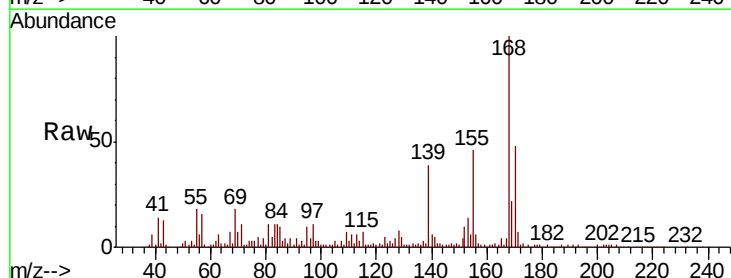
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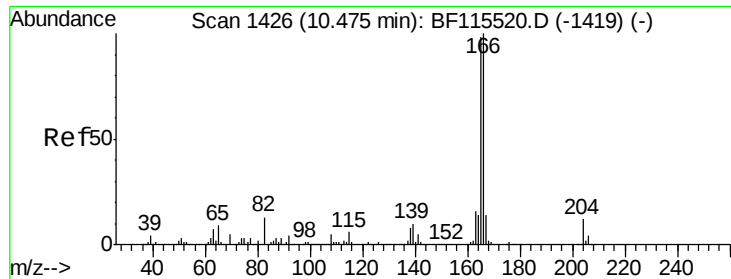
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#55
Dibenzofuran
Concen: 12.169 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.02 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.1	31.1	46.7
169	22.0	11.1	16.7#





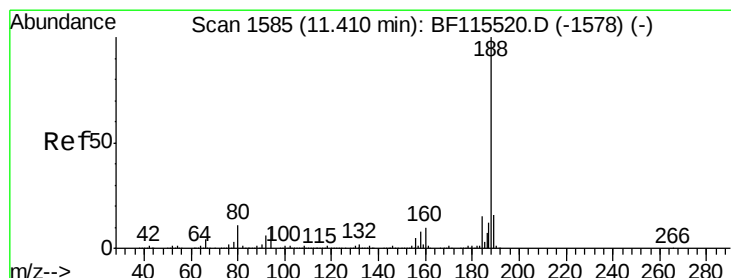
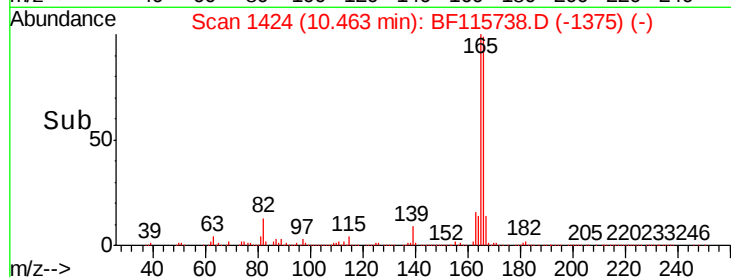
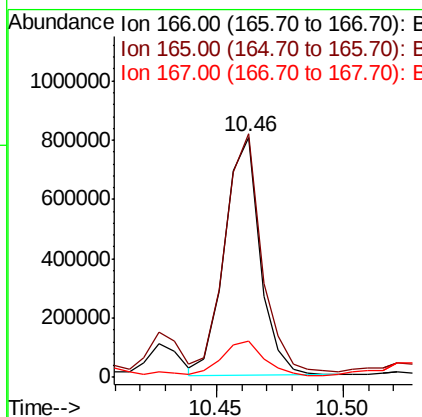
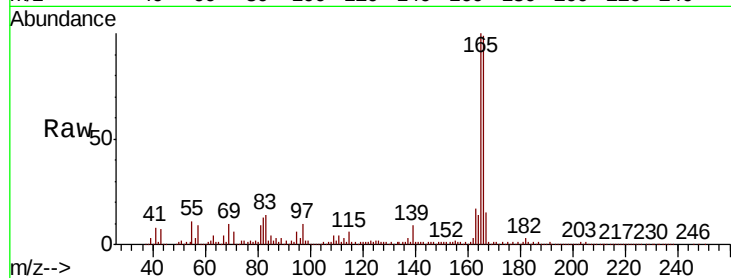
#58
 Fluorene
 Concen: 44.498 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF115738.D
 Acq: 23 Jul 2019 23:55

Instrument :
 BNA_F
 ClientSampled :
 PA-71619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	101.5	79.8	119.6		
167	15.2	11.2	16.8		

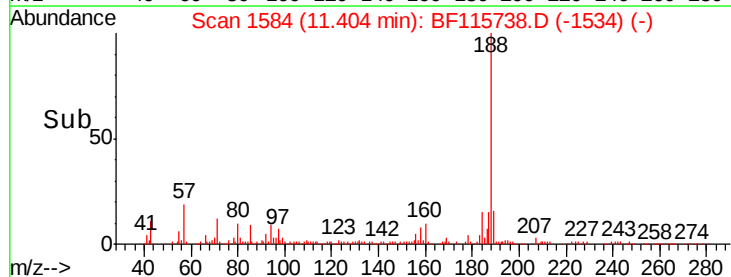
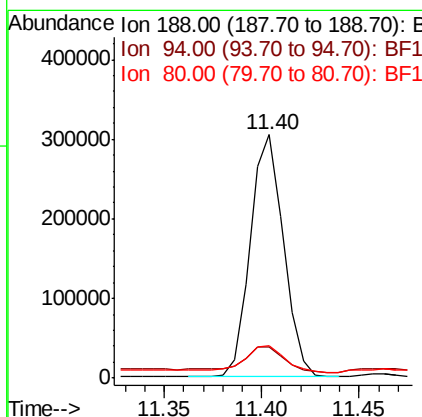
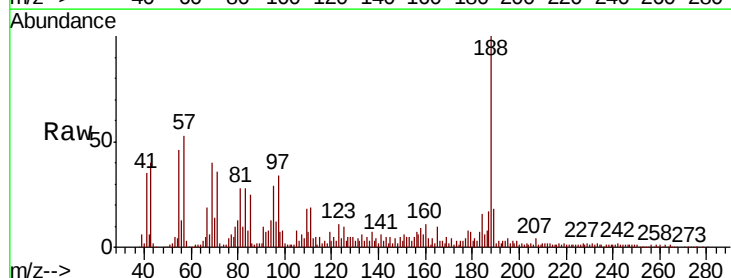
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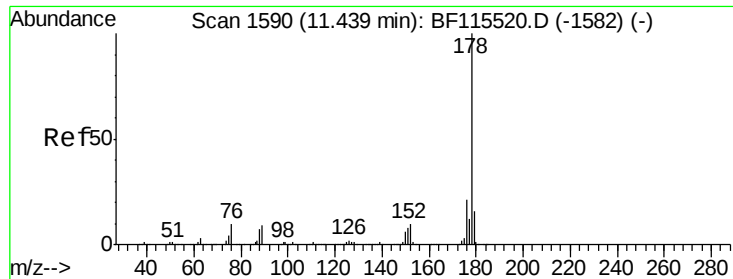
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115738.D
 Acq: 23 Jul 2019 23:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	12.6	7.8	11.6#		
80	13.5	8.6	13.0#		





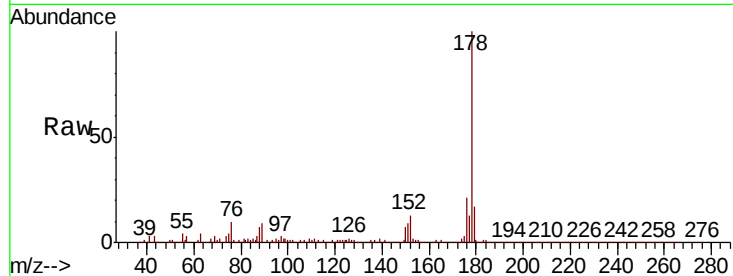
#71
Phenanthrene
Concen: 170.491 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Instrument :
BNA_F
ClientSampleId :
PA-71619

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	21.4	17.2	25.8	
179	17.2	13.5	20.3	

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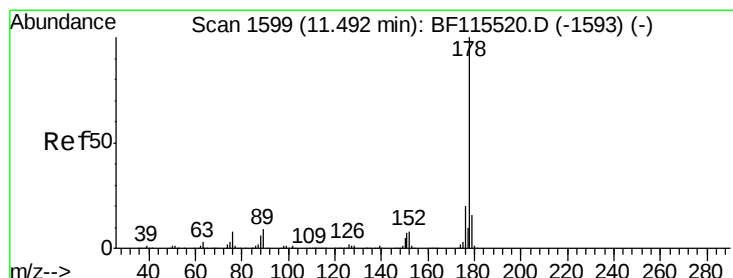
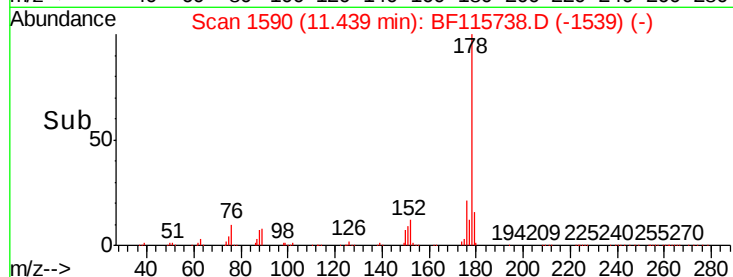
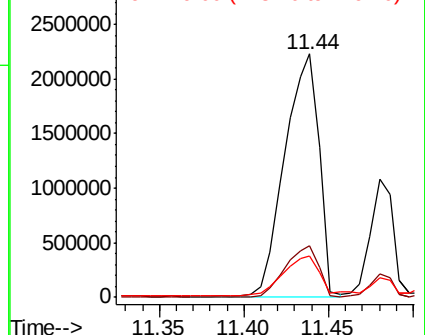


Abundance

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



#72
Anthracene
Concen: 50.868 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

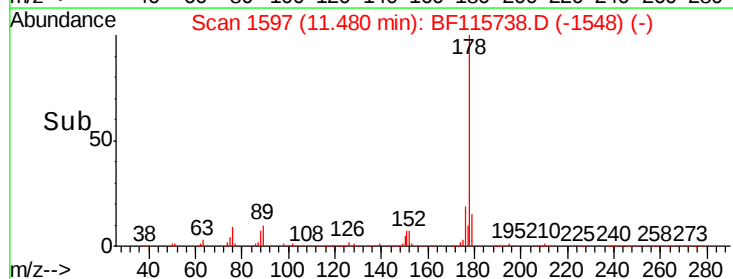
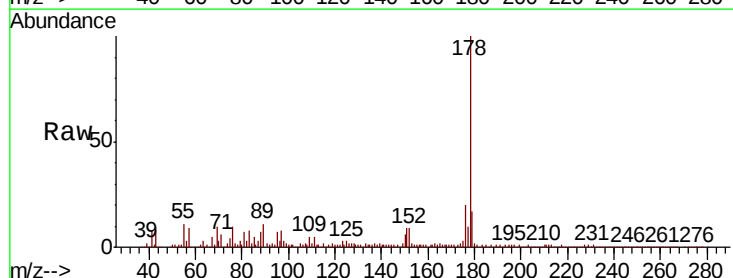
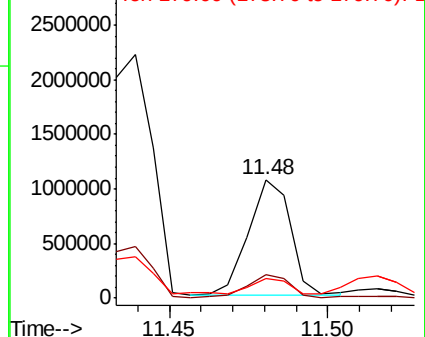
Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.8	15.9	23.9	
179	16.9	12.7	19.1	

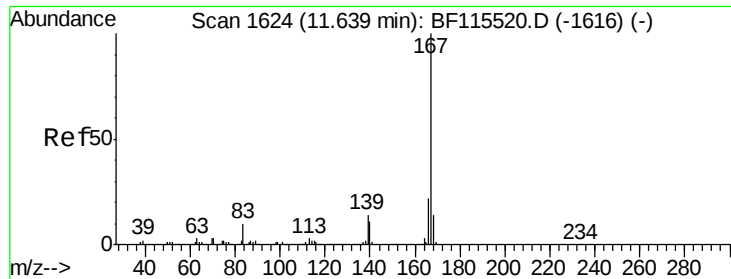
Abundance

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





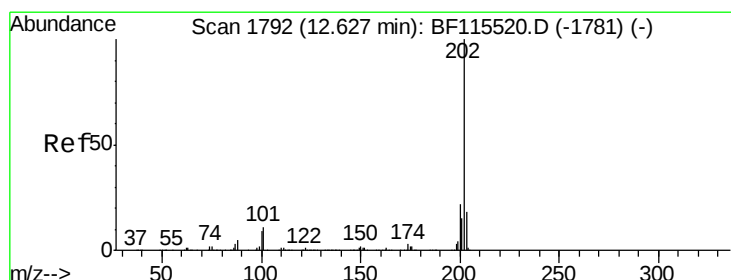
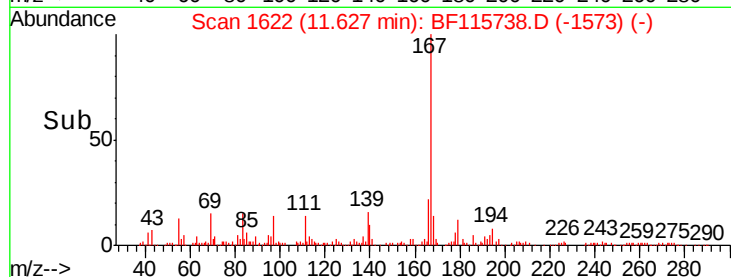
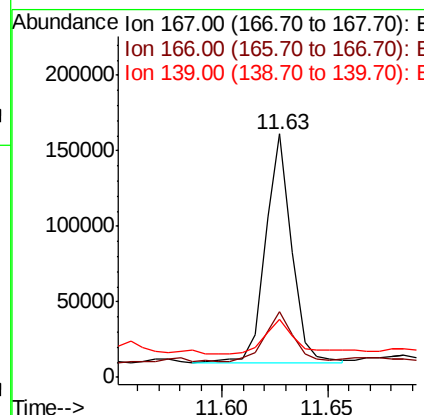
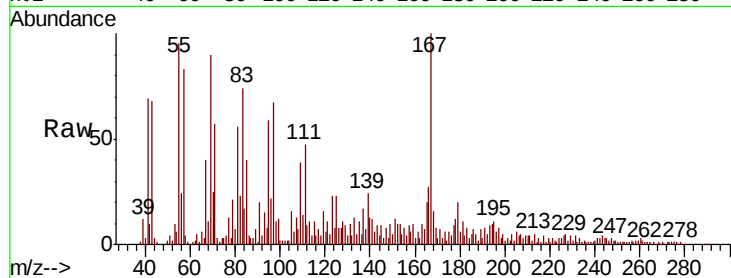
#73
 Carbazole
 Concen: 7.781 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BF115738.D
 Acq: 23 Jul 2019 23:55

Instrument :
 BNA_F
 ClientSampleId :
 PA-71619

Tot Ion:167	Resp:	129264
Ion Ratio	Lower	Upper
167	100	
166	26.9	18.1 27.1
139	23.6	11.3 16.9#

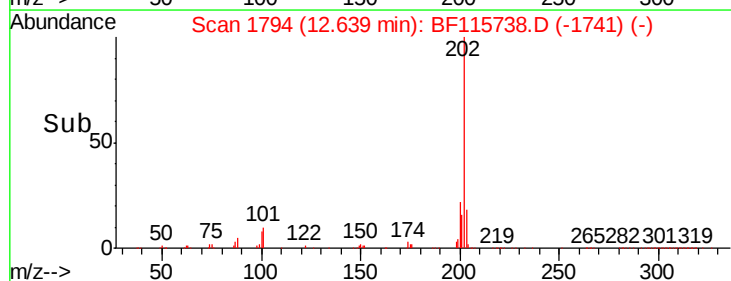
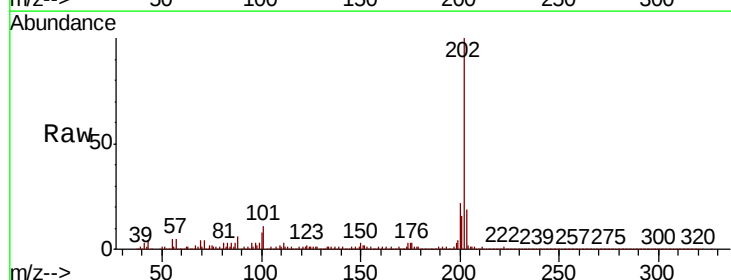
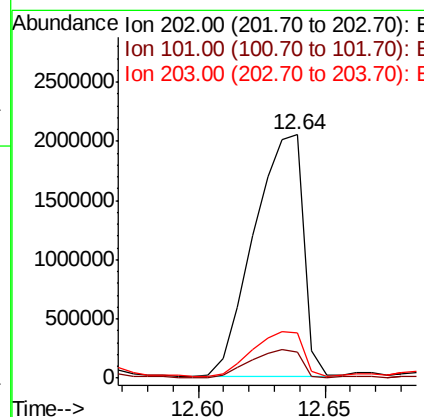
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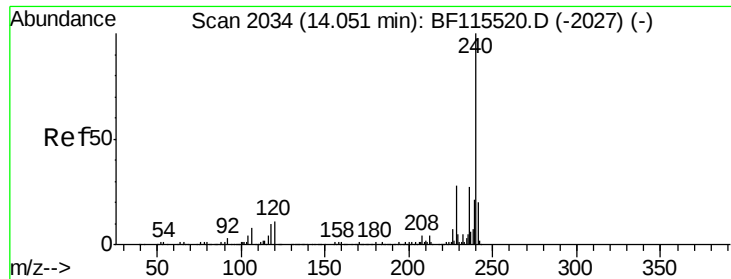
mohammad
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#75
 Fluoranthene
 Concen: 144.129 ng
 RT: 12.64 min Scan# 1794
 Delta R.T. 0.01 min
 Lab File: BF115738.D
 Acq: 23 Jul 2019 23:55

Tgt Ion:202	Resp:	2791894
Ion Ratio	Lower	Upper
202	100	
101	10.7	0.0 31.4
203	18.8	0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF115738.D

Acq: 23 Jul 2019 23:55

Instrument :

BNA_F

ClientSampleId :

PA-71619

Tot Ion:240 Resp: 276078

Ion Ratio Lower Upper

240 100

120 14.2 8.6 13.0#

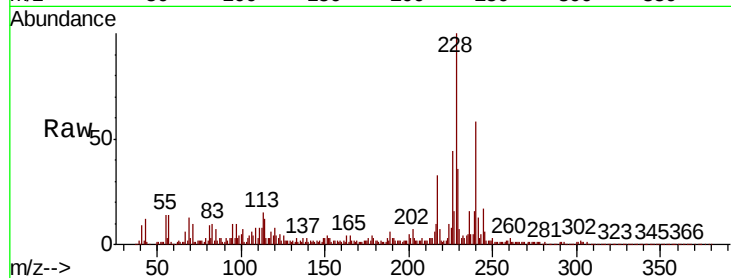
236 27.8 21.3 31.9

Manual Integrations

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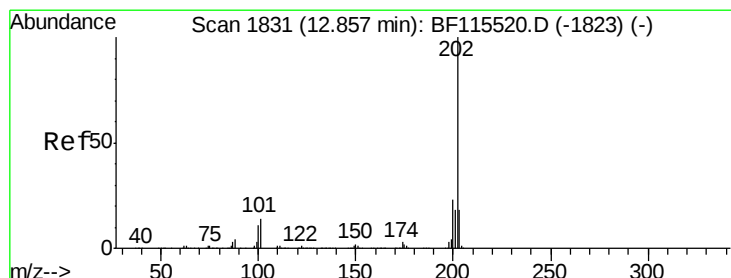
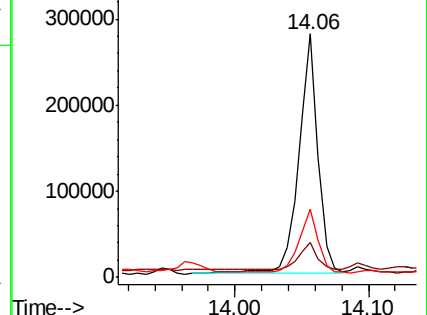
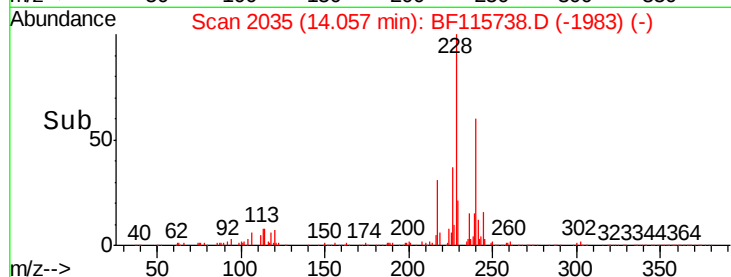
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 142.237 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.01 min

Lab File: BF115738.D

Acq: 23 Jul 2019 23:55

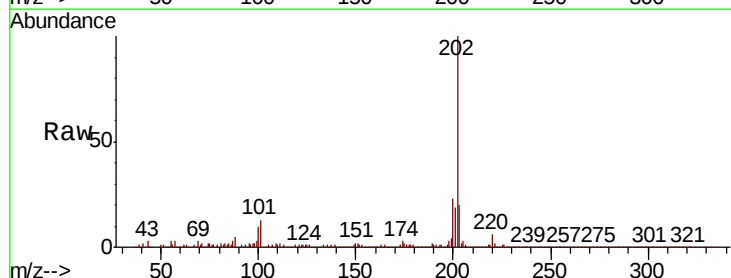
Tgt Ion:202 Resp: 3326977

Ion Ratio Lower Upper

202 100

200 22.7 18.7 28.1

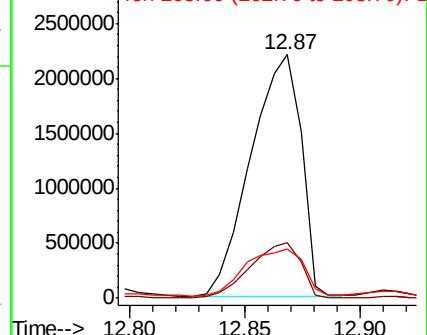
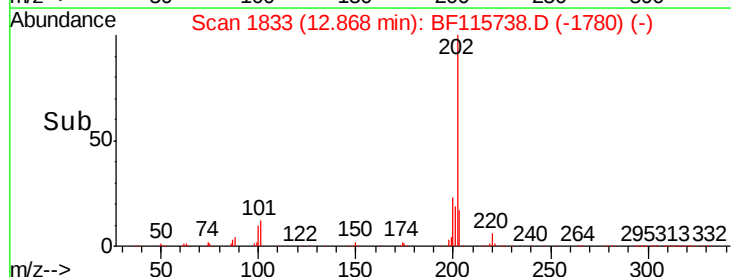
203 20.4 15.2 22.8

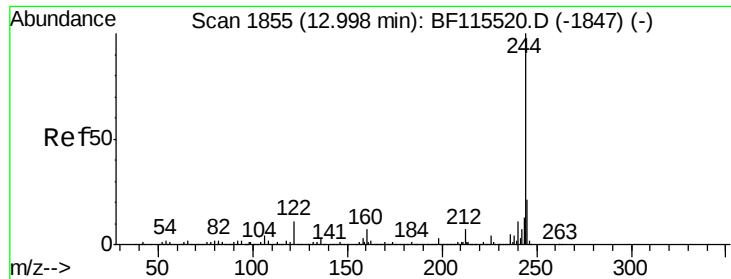


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 36.309 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF115738.D

Acq: 23 Jul 2019 23:55

Instrument :

BNA_F

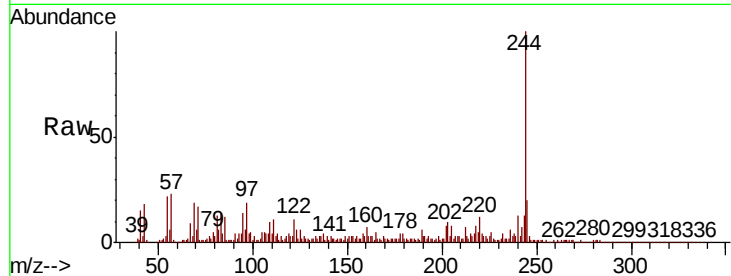
ClientSampleId :

PA-71619

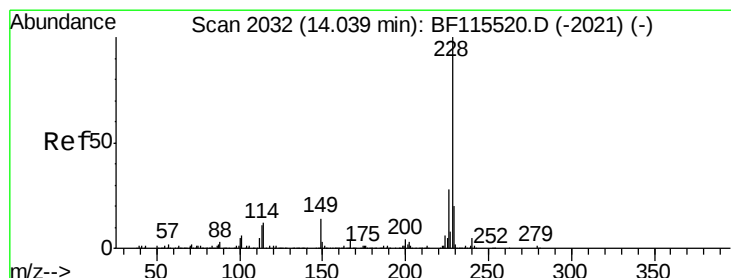
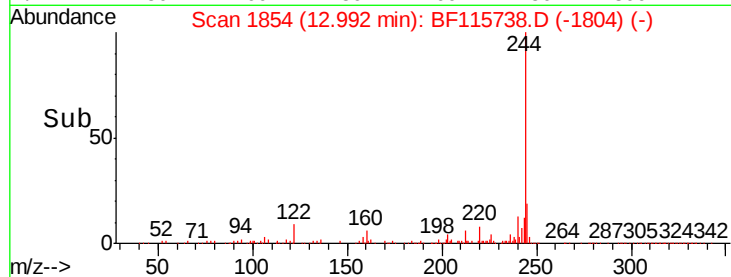
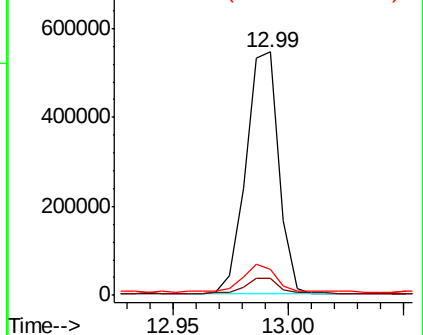
Tot Ion:	244	Resp:	543257
Ion Ratio		Lower	Upper
244	100		
212	7.1	6.0	9.0
122	10.9	8.6	12.8

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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: 106.196 ng m

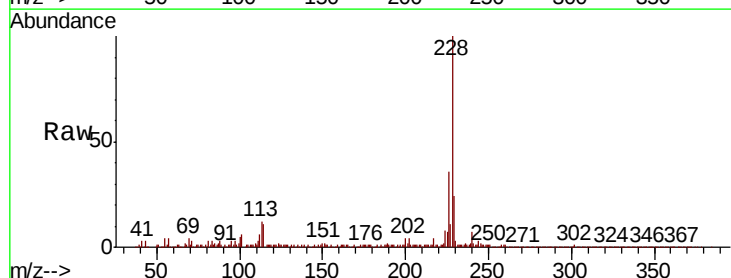
RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

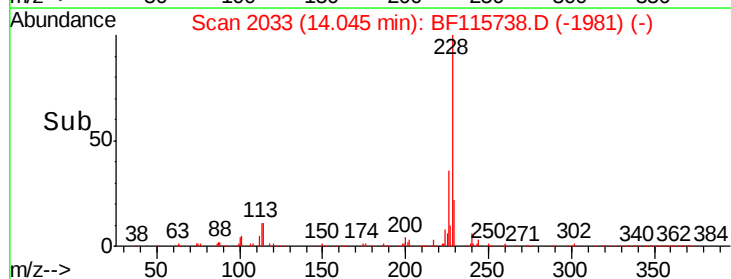
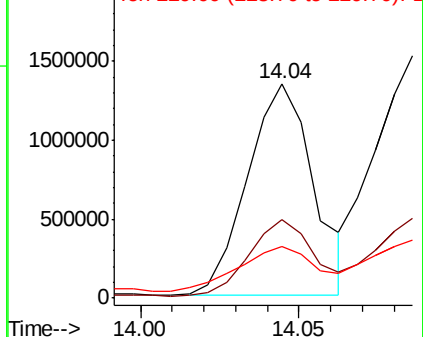
Lab File: BF115738.D

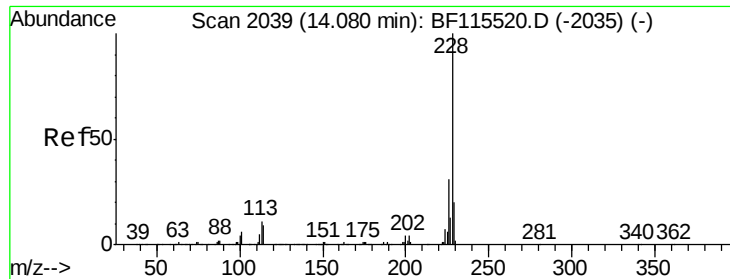
Acq: 23 Jul 2019 23:55

Tgt Ion:	228	Resp:	1931506
Ion Ratio		Lower	Upper
228	100		
226	36.4	23.4	35.0#
229	23.9	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





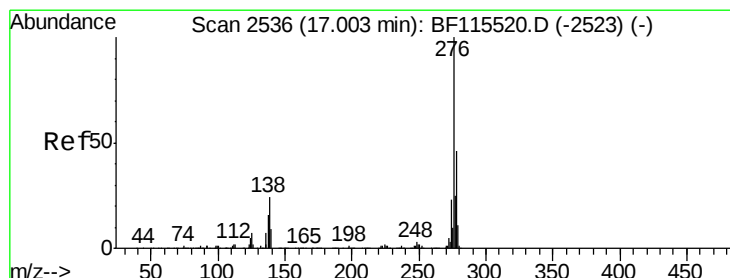
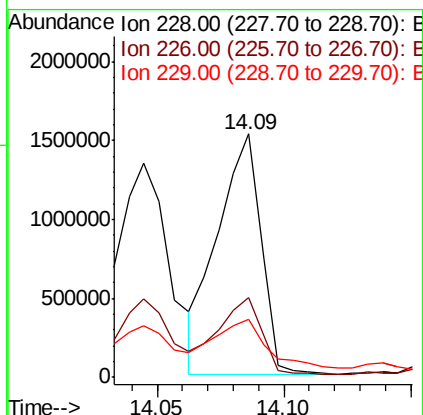
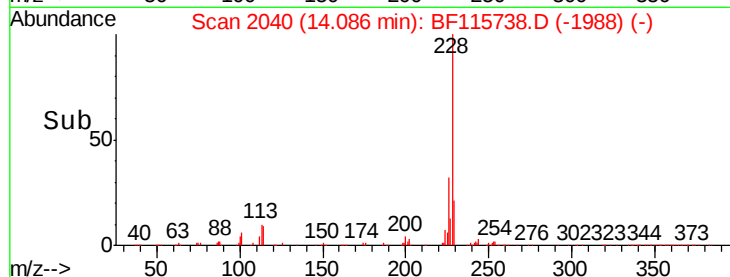
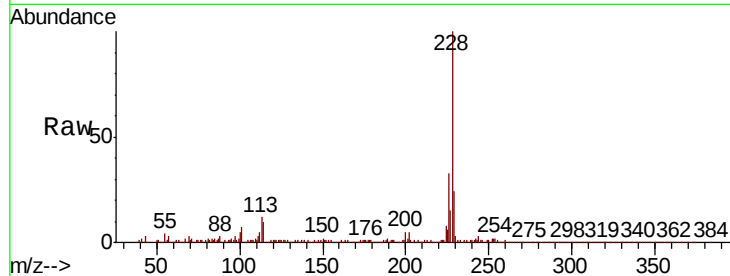
#83
Chrysene
Concen: 99.743 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Instrument :
BNA_F
ClientSampleId :
PA-71619

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.9	25.7	38.5
229	24.0	16.6	25.0

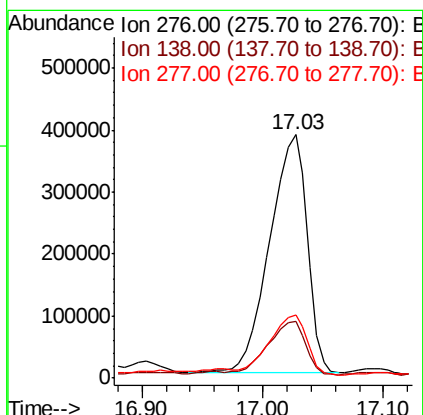
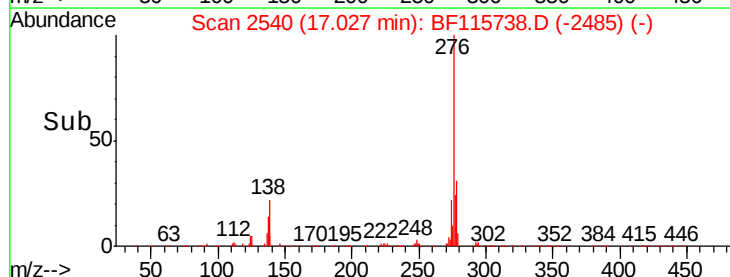
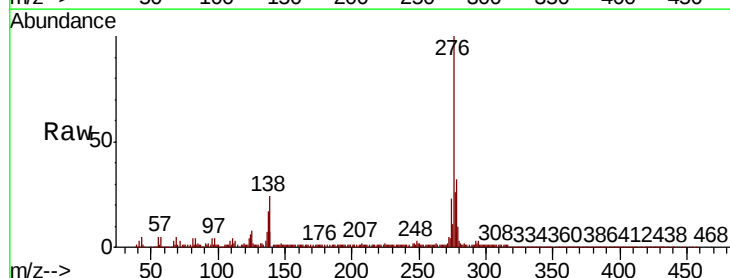
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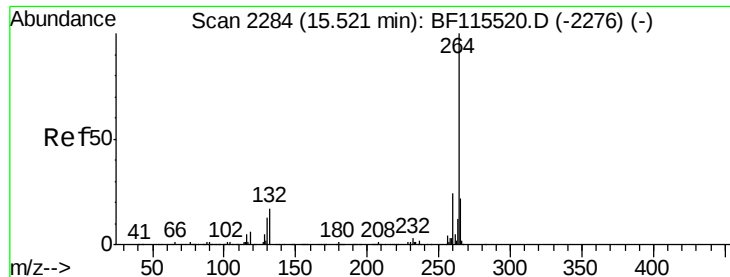
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 53.131 ng
RT: 17.03 min Scan# 2540
Delta R.T. 0.02 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.3	20.2	30.2
277	25.4	20.4	30.6





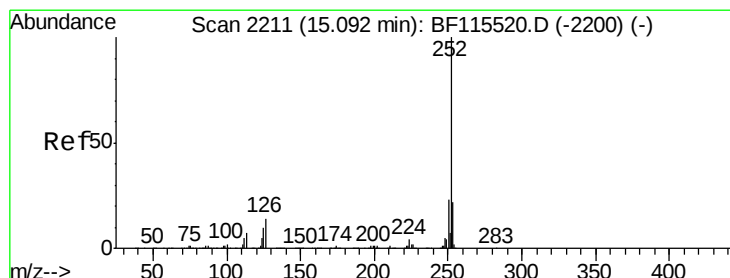
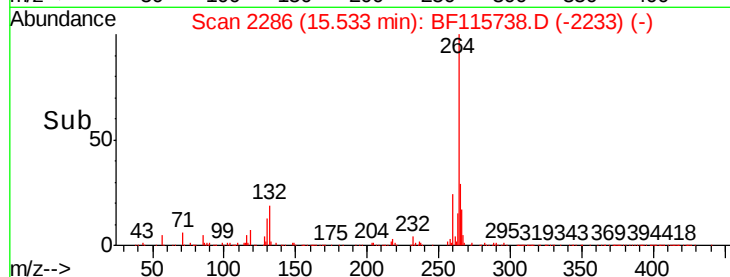
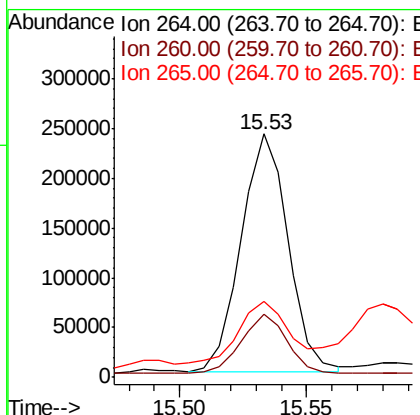
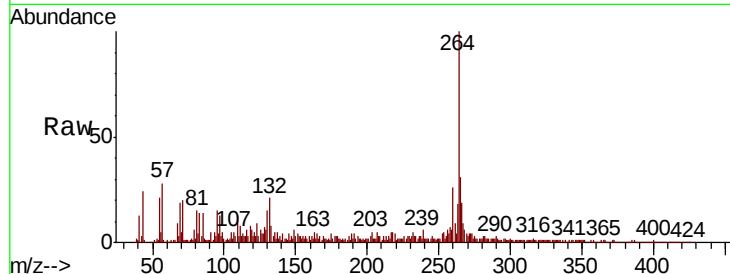
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Instrument :
BNA_F
ClientSampleId :
PA-71619

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.8	29.8
265	31.4	17.7	26.5

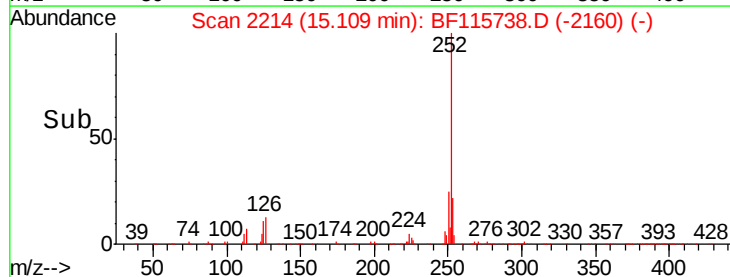
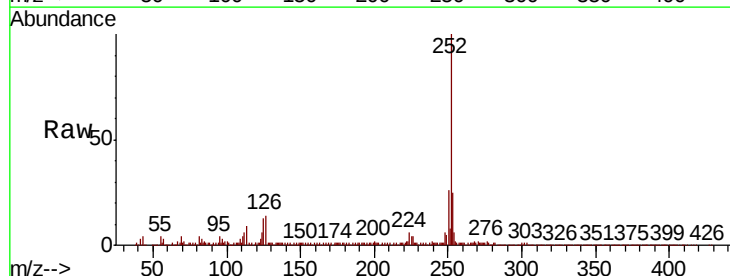
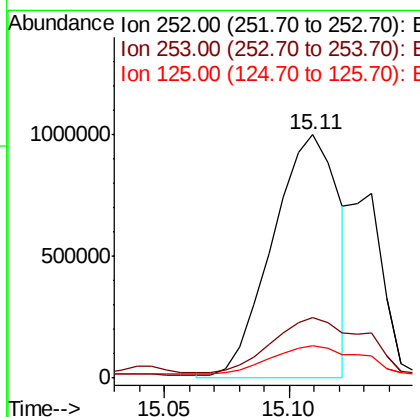
Manual Integrations
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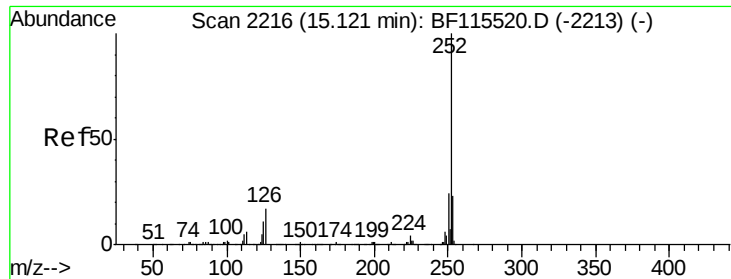
mohammad
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#88
Benzo(b)fluoranthene
Concen: 93.690 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.1	27.1
125	13.1	9.0	13.4





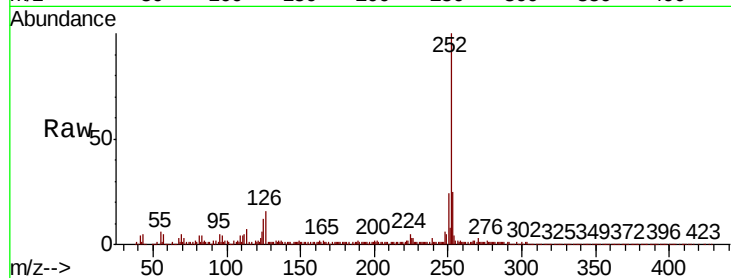
#89
Benzo(k)fluoranthene
Concen: 38.387 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Instrument :
BNA_F
ClientSampled :
PA-71619

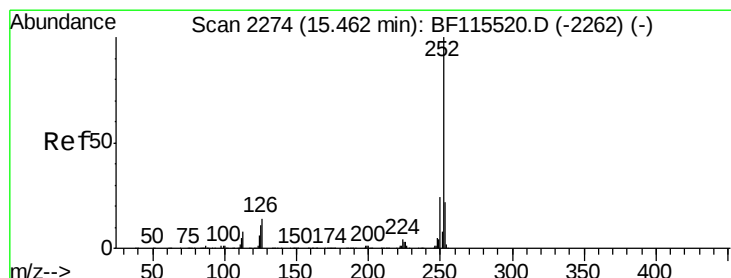
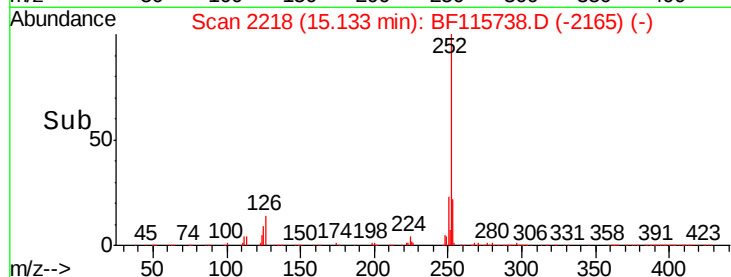
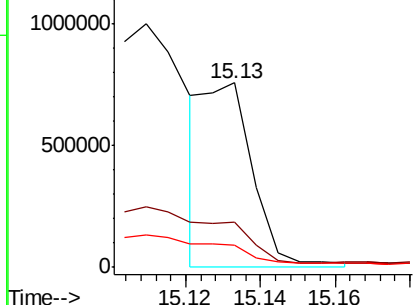
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.6	28.0
125	11.8	9.0	13.6

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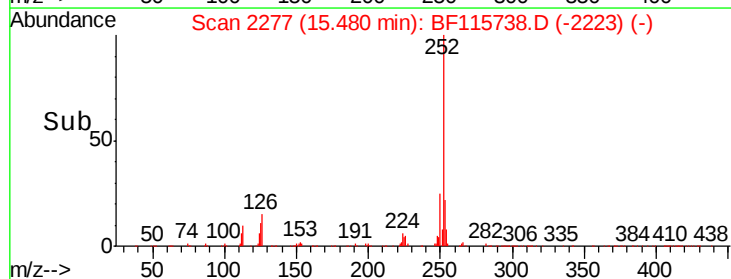
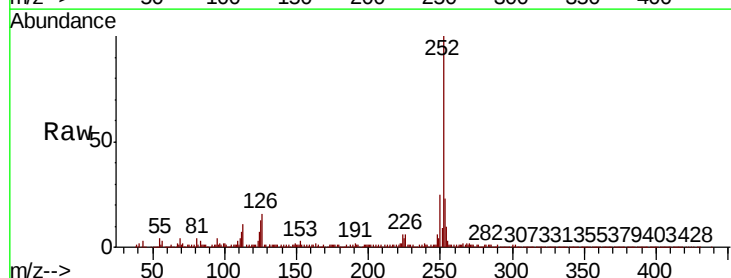
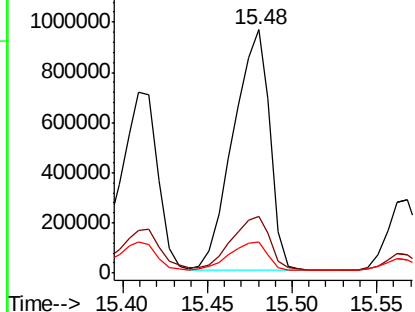
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

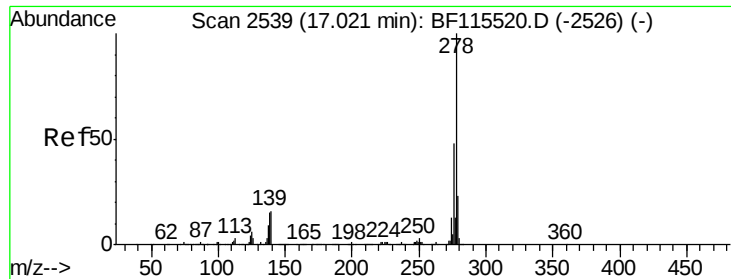


#90
Benzo(a)pyrene
Concen: 85.118 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.02 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	12.7	9.1	13.7

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





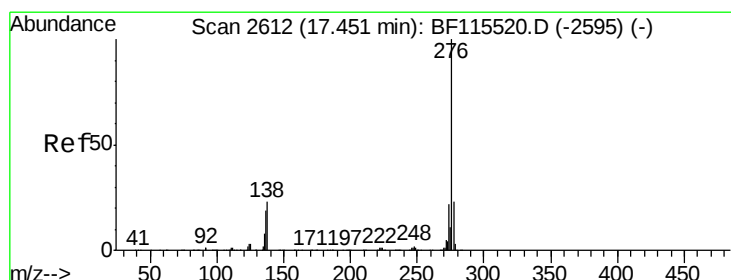
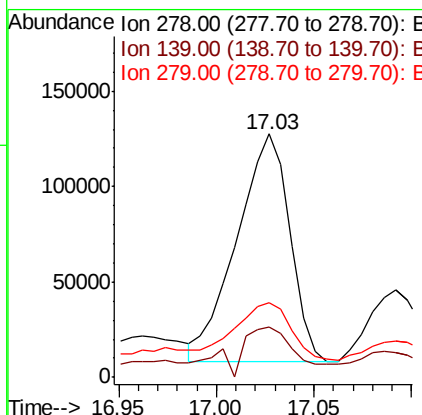
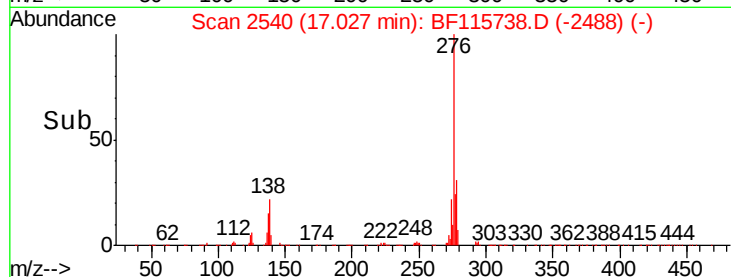
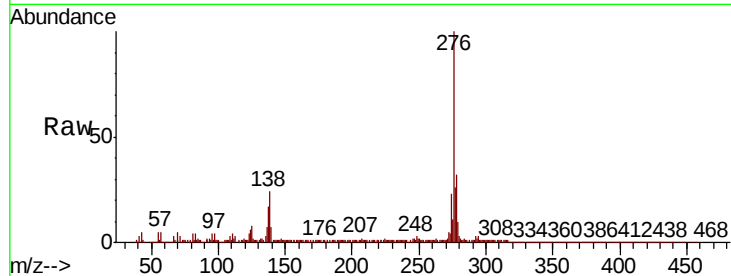
#91
Dibenzo(a,h)anthracene
Concen: 14.951 ng
RT: 17.03 min Scan# 2540
Delta R.T. 0.01 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Instrument :
BNA_F
ClientSampleId :
PA-71619

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.6	13.1	19.7#
279	30.5	19.6	29.4#

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#92
Benzo(g,h,i)perylene
Concen: 57.862 ng
RT: 17.48 min Scan# 2617
Delta R.T. 0.03 min
Lab File: BF115738.D
Acq: 23 Jul 2019 23:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.0	28.4
138	23.0	17.2	25.8

