

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
 Data File : BF118318.D
 Acq On : 26 Dec 2019 16:03
 Operator : JU
 Sample : K6395-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

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Quant Time: Dec 27 04:57:16 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	119203	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	485977	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	262996	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	503592	20.00	ng	0.00
76) Chrysene-d12	14.04	240	333112	20.00	ng	-0.01
87) Perylene-d12	15.53	264	357892	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	704857	100.94	ng	0.00
7) Phenol-d6	6.48	99	902126	104.14	ng	0.00
23) Nitrobenzene-d5	7.41	82	535486	63.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	323941	99.74	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1165325	67.64	ng	0.00
79) Terphenyl-d14	12.98	244	1444176	71.93	ng	0.00
Target Compounds						
10) Phenol	6.49	94	31095	3.194	ng	97
50) Dimethylphthalate	9.61	163	135230	6.850	ng	100
71) Phenanthrene	11.41	178	553311	20.155	ng	99
72) Anthracene	11.46	178	116690	4.247	ng	99
75) Fluoranthene	12.61	202	622093	22.453	ng	99
78) Pyrene	12.84	202	623481	22.920	ng	99
81) Benzo(a)anthracene	14.03	228	270040	11.581	ng	100
83) Chrysene	14.07	228	244999	10.974	ng	99
86) Indeno(1,2,3-cd)pyrene	17.03	276	123721	6.504	ng	95
88) Benzo(b)fluoranthene	15.10	252	278399m	11.719	ng	
89) Benzo(k)fluoranthene	15.12	252	72585m	3.182	ng	
90) Benzo(a)pyrene	15.47	252	209505	10.011	ng	95
91) Dibenzo(a,h)anthracene	17.03	278	36524m	2.011	ng	
92) Benzo(g,h,i)perylene	17.47	276	123095	7.017	ng	97

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

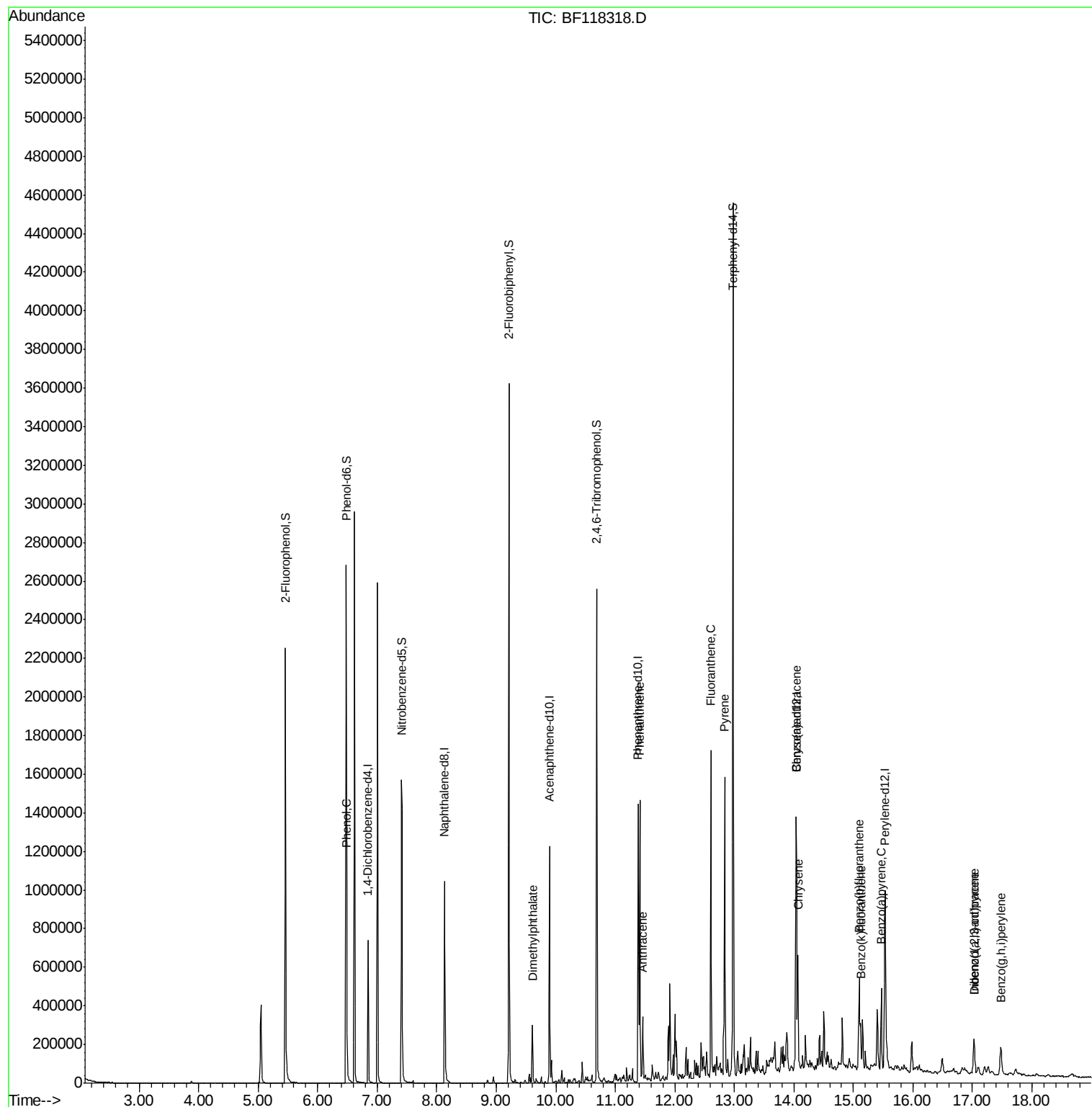
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118318.D
Acq On : 26 Dec 2019 16:03
Operator : JU
Sample : K6395-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

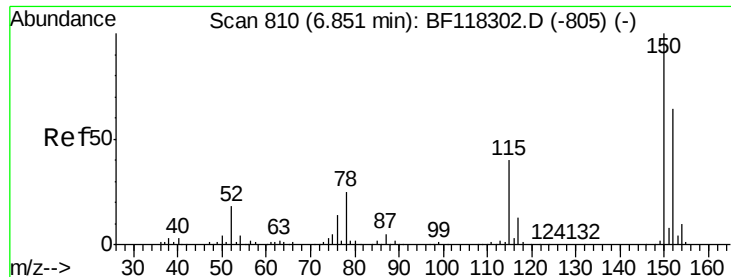
Instrument :
BNA_F
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TP-1

Quant Time: Dec 27 04:57:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
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Response via : Initial Calibration

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#1

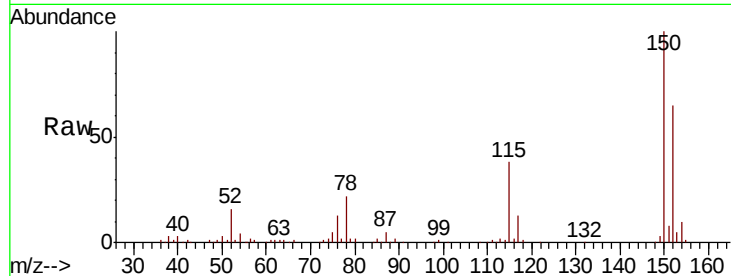
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118318.D
Acq: 26 Dec 2019 16:03

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	125.4	188.2
115	57.9	50.2	75.4

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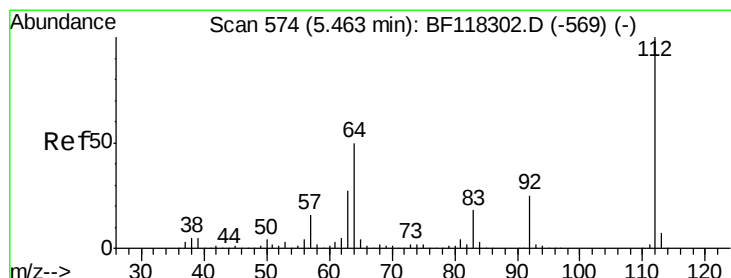
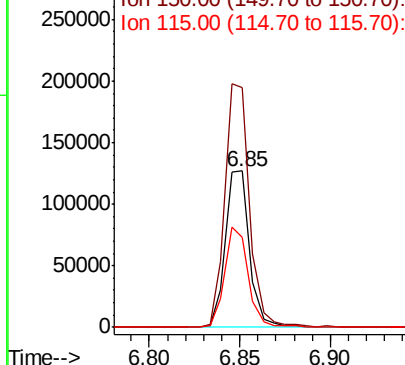
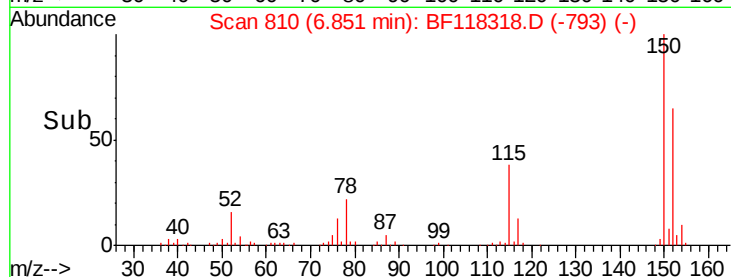


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

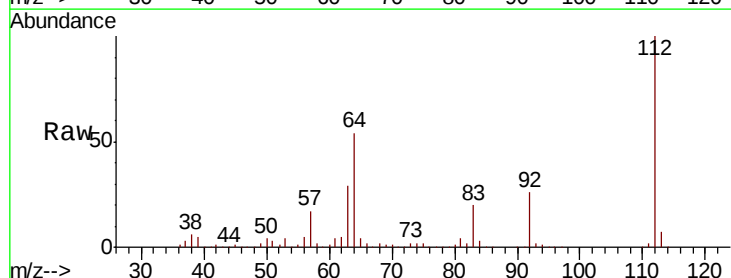
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.936 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF118318.D
Acq: 26 Dec 2019 16:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	39.7	59.5
63	28.9	21.7	32.5

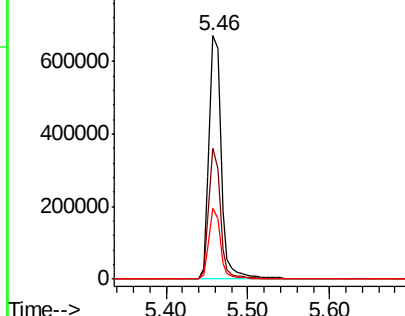
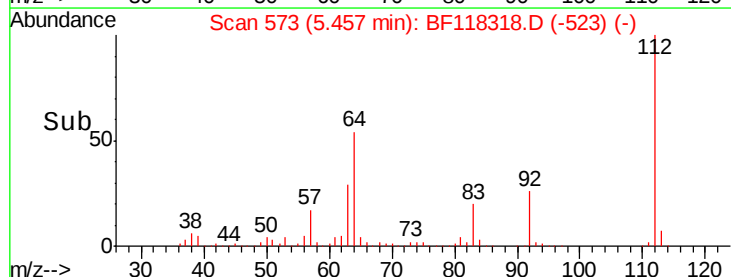


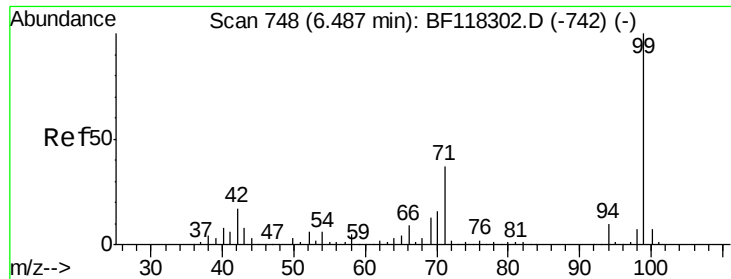
Abundance

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: 104.137 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

Instrument :

BNA_F

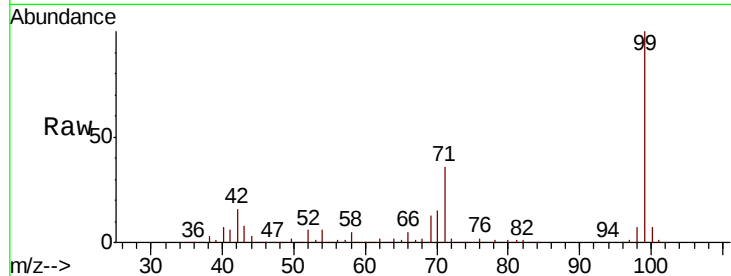
ClientSampled :

TP-1

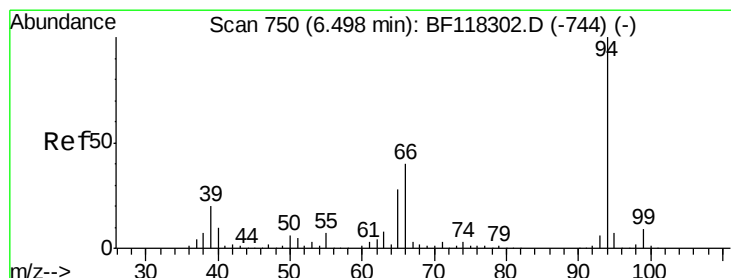
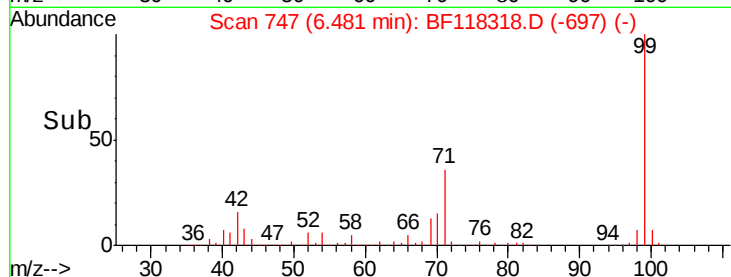
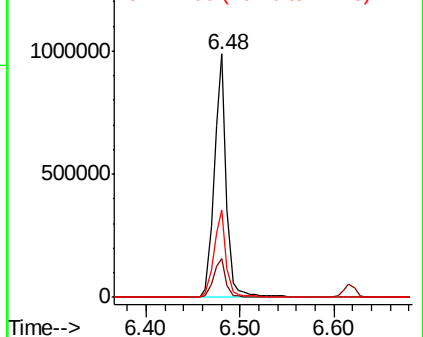
Tot Ion:	99	Resp:	902126
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.5	20.3
71	36.2	29.4	44.2

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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



#10

Phenol

Concen: 3.194 ng

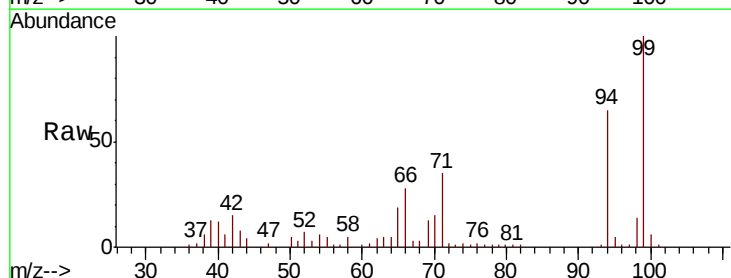
RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

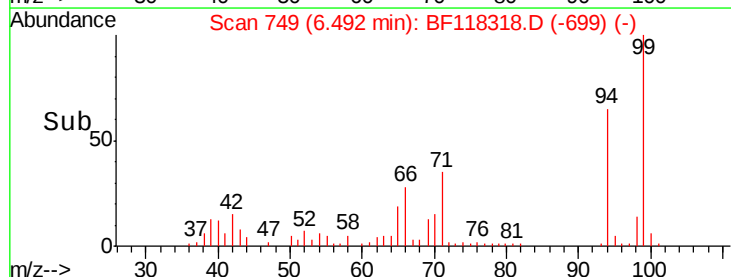
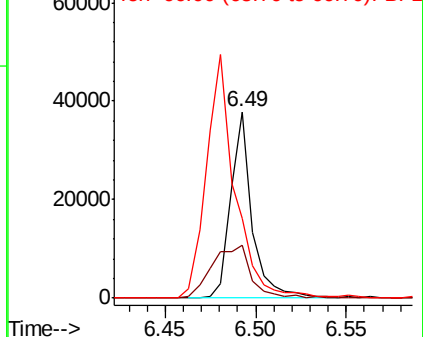
Lab File: BF118318.D

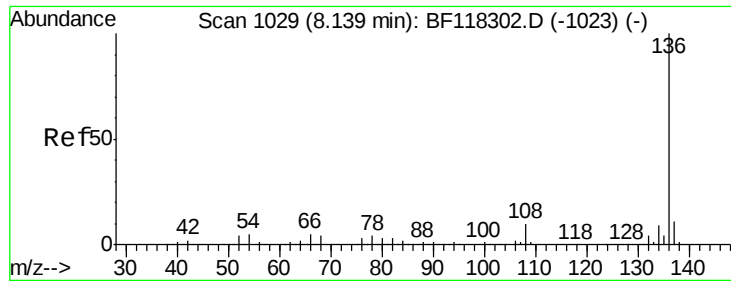
Acq: 26 Dec 2019 16:03

Tgt Ion:	94	Resp:	31095
Ion Ratio	Lower	Upper	
94	100		
65	28.8	7.8	47.8
66	43.2	20.4	60.4



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





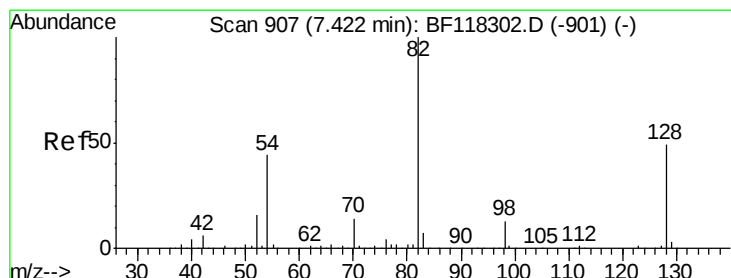
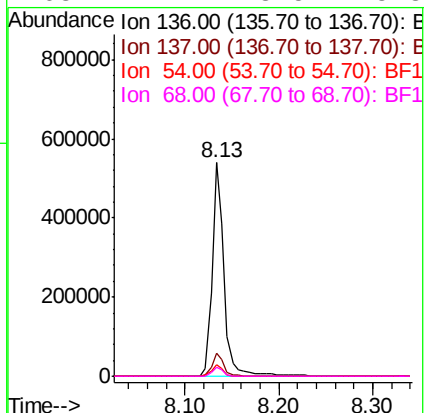
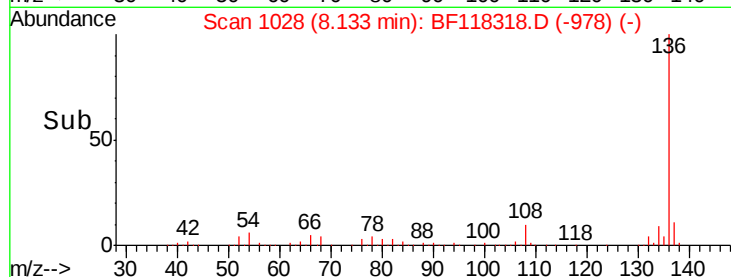
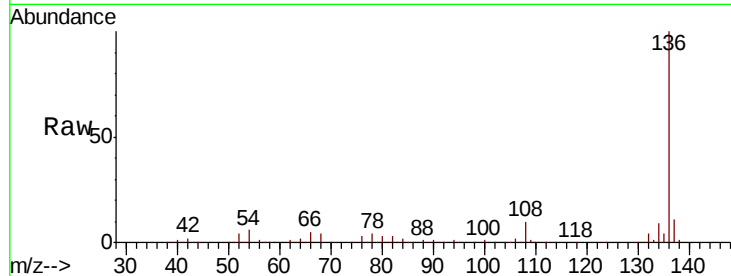
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118318.D
Acq: 26 Dec 2019 16:03

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.9	13.3	
54	5.6	4.2	6.4	
68	4.4	3.5	5.3	

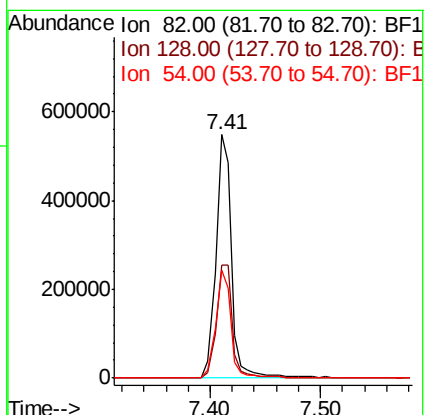
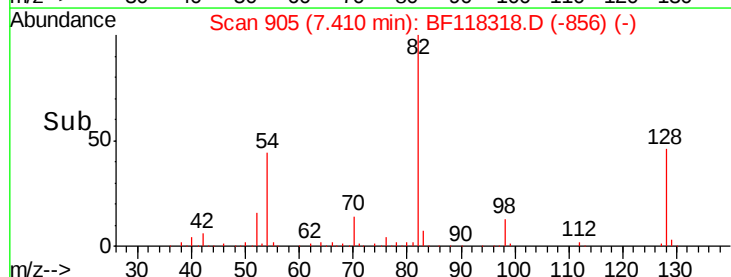
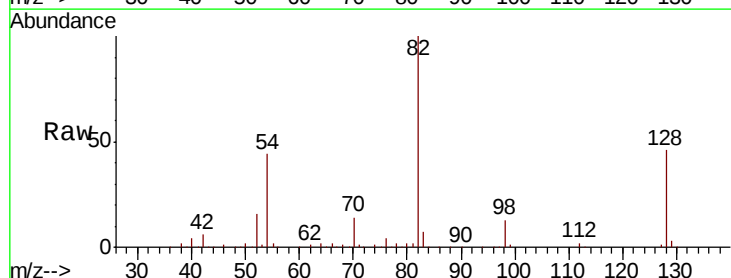
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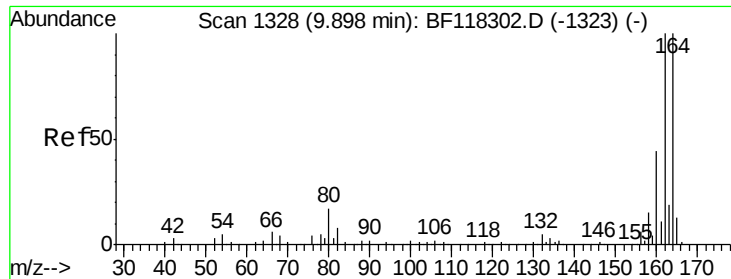
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#23
Nitrobenzene-d5
Concen: 63.022 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF118318.D
Acq: 26 Dec 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.3	39.6	59.4	
54	44.1	34.9	52.3	





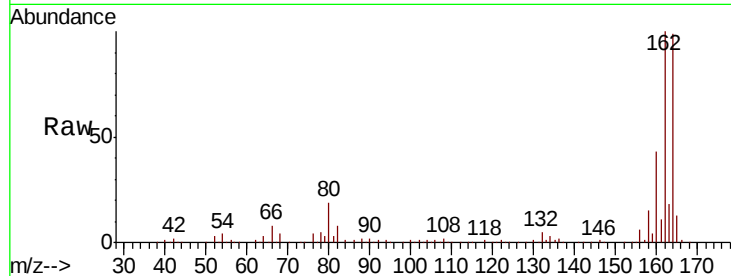
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF118318.D
Acq: 26 Dec 2019 16:03

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	262996		
162	101.0	80.0	120.0	
160	43.2	34.8	52.2	

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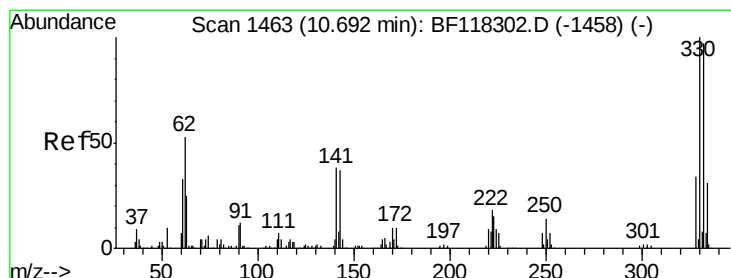
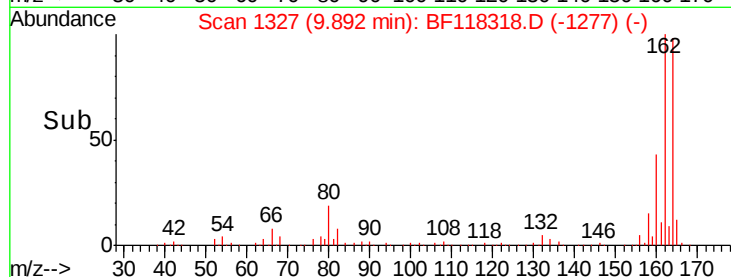
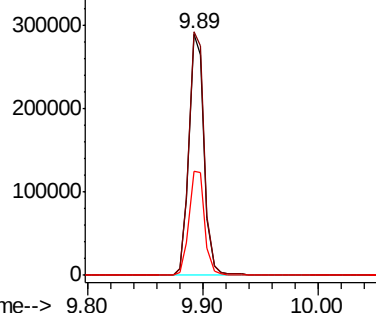


Abundance

Ion 164.00 (163.70 to 164.70): E

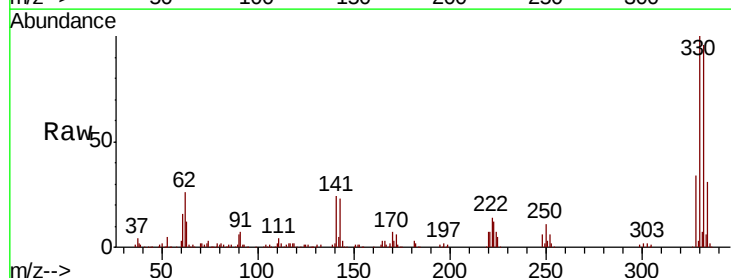
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 99.741 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.00 min
Lab File: BF118318.D
Acq: 26 Dec 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	323941		
332	96.0	76.6	114.8	
141	33.5	26.0	39.0	

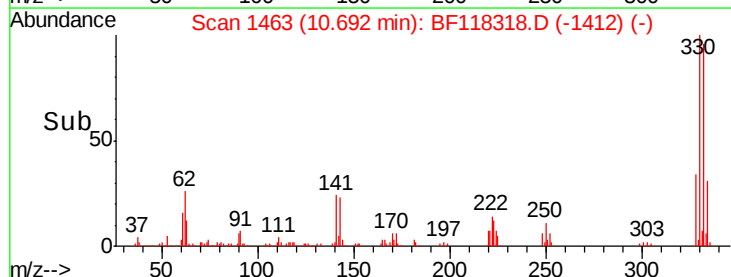
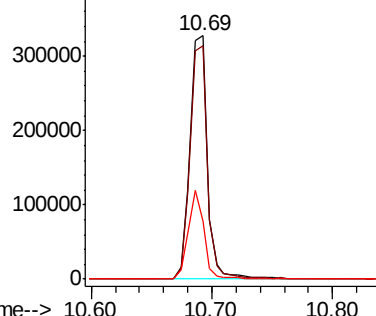


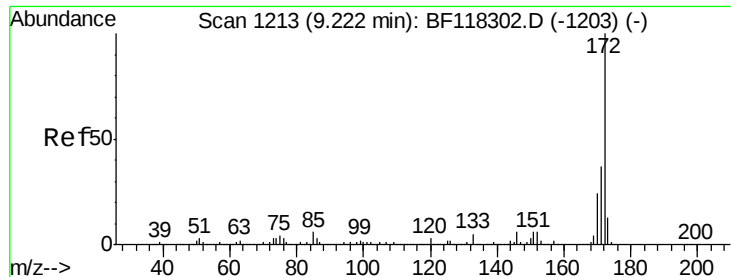
Abundance

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





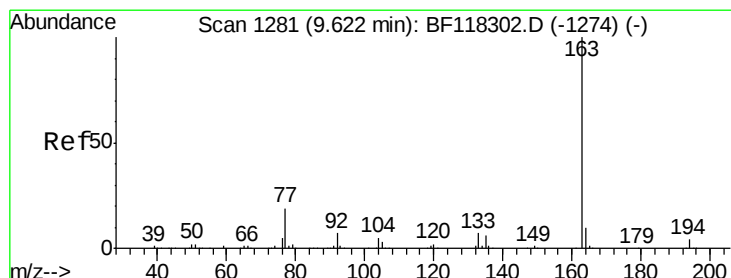
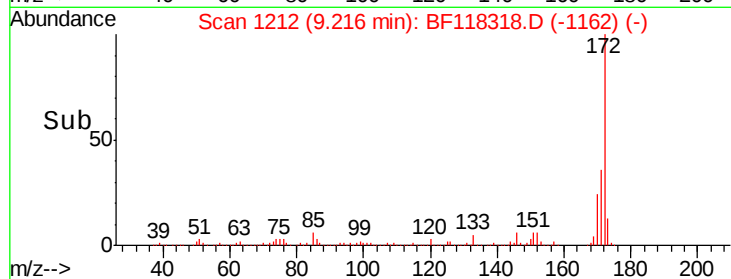
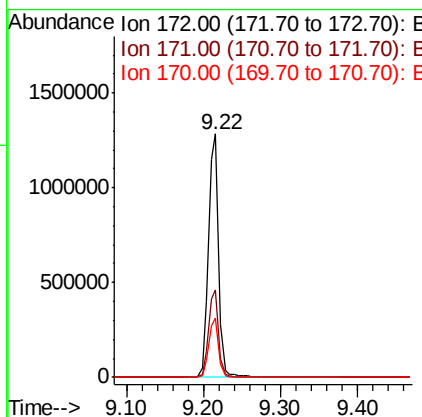
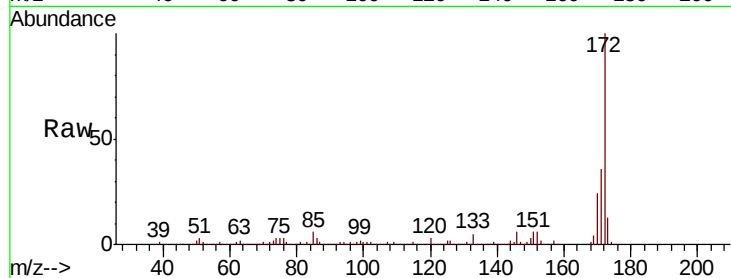
#45
2-Fluorobiphenyl
Concen: 67.637 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118318.D
Acq: 26 Dec 2019 16:03

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.3	43.9
170	24.1	19.2	28.8

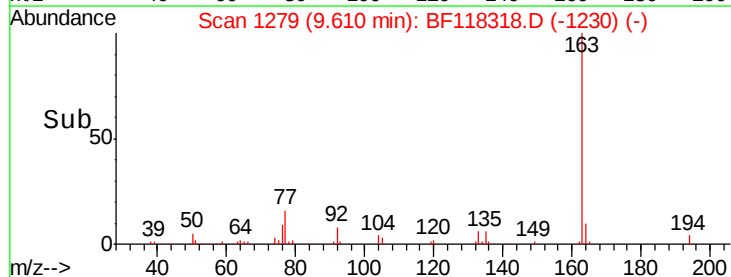
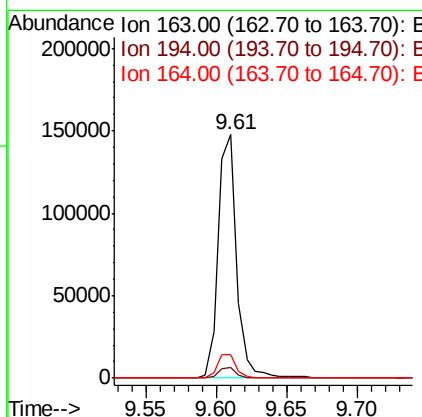
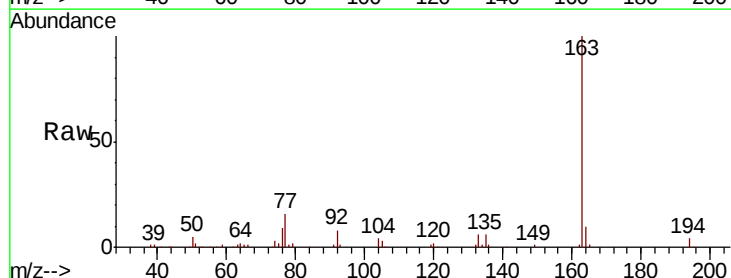
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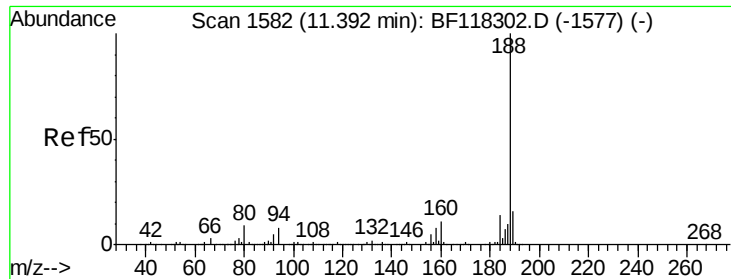
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#50
Dimethylphthalate
Concen: 6.850 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118318.D
Acq: 26 Dec 2019 16:03

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	9.8	7.9	11.9





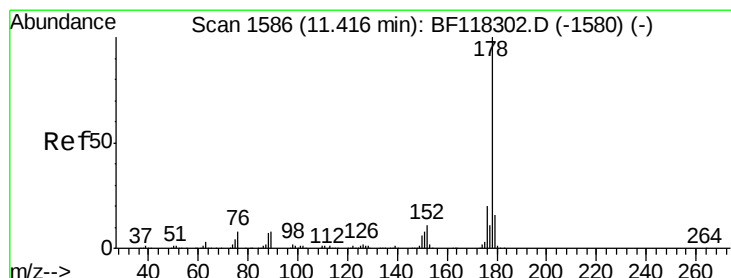
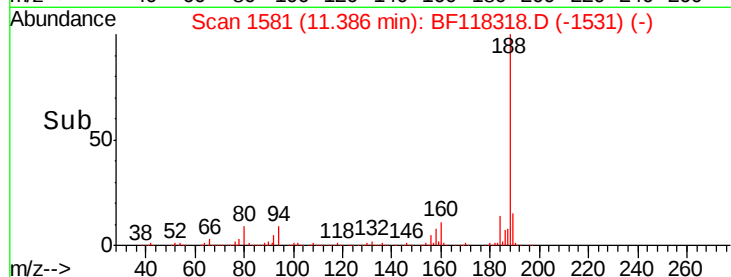
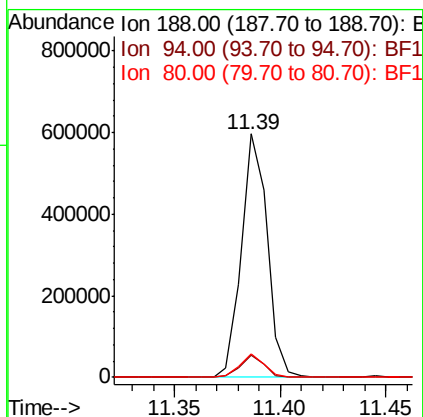
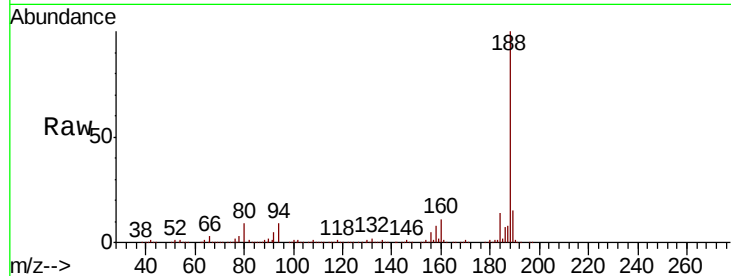
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF118318.D
Acq: 26 Dec 2019 16:03

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	503592		
94	9.2		6.7	10.1
80	9.4		7.2	10.8

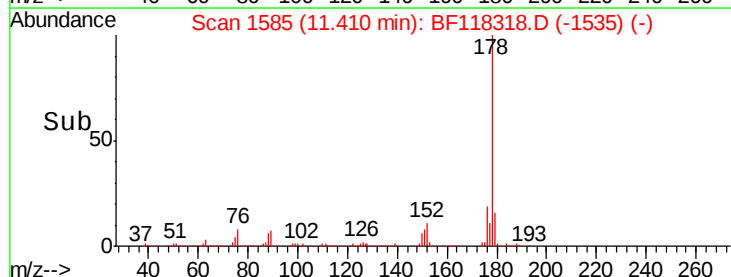
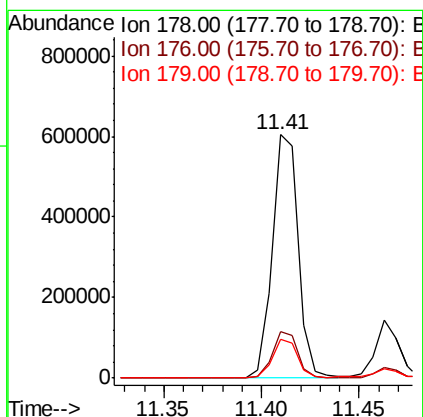
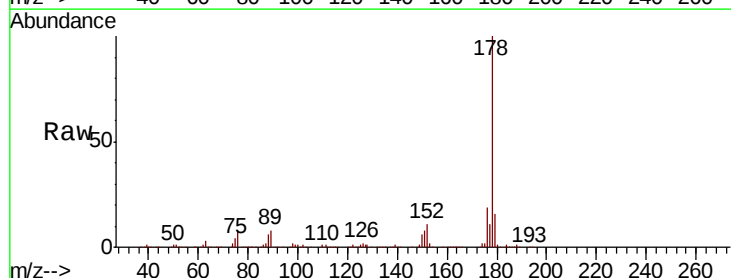
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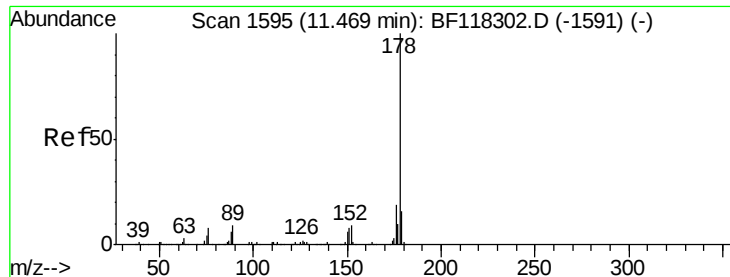
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#71
Phenanthrene
Concen: 20.155 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118318.D
Acq: 26 Dec 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	553311		
176	19.0		15.6	23.4
179	15.7		12.6	19.0





#72

Anthracene

Concen: 4.247 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

Instrument :

BNA_F

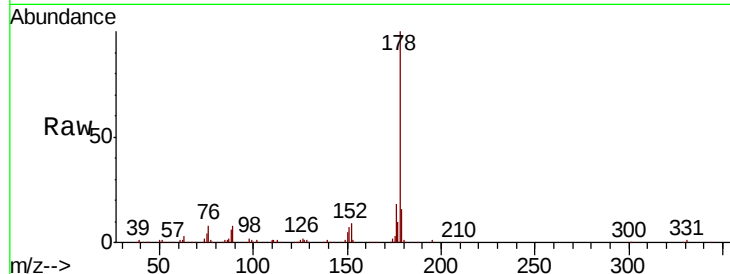
ClientSampleId :

TP-1

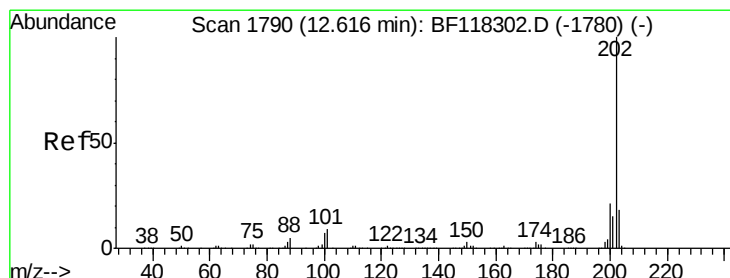
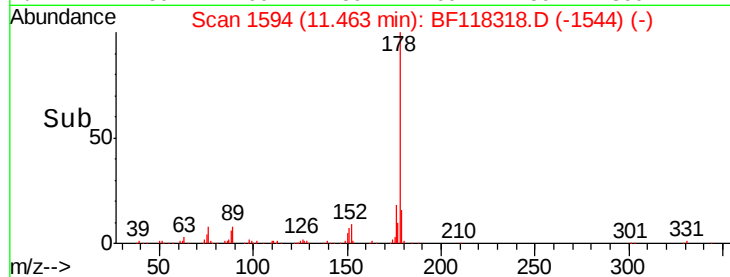
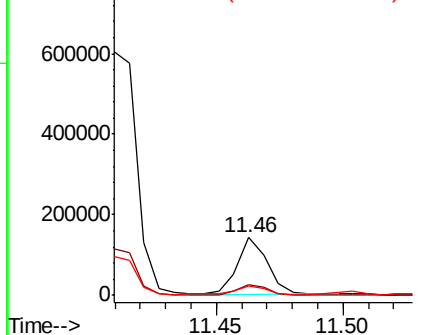
Tot Ion:	178	Resp:	116690
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.2	22.8
179	15.7	12.9	19.3

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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



#75

Fluoranthene

Concen: 22.453 ng

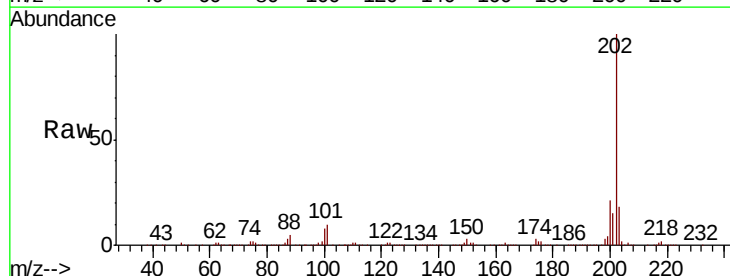
RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

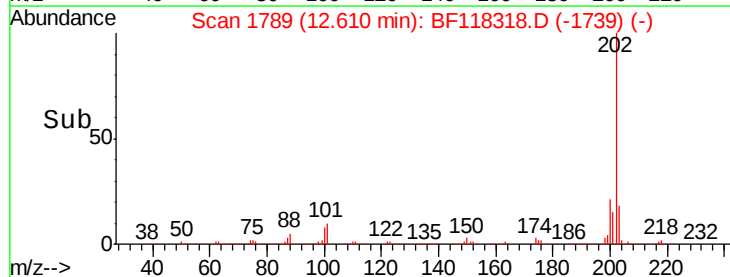
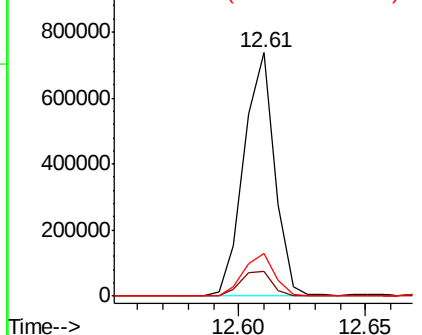
Lab File: BF118318.D

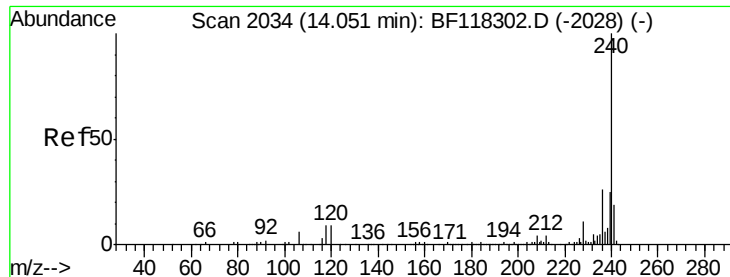
Acq: 26 Dec 2019 16:03

Tgt Ion:	202	Resp:	622093
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	29.5
203	17.6	0.0	37.6



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

Instrument :

BNA_F

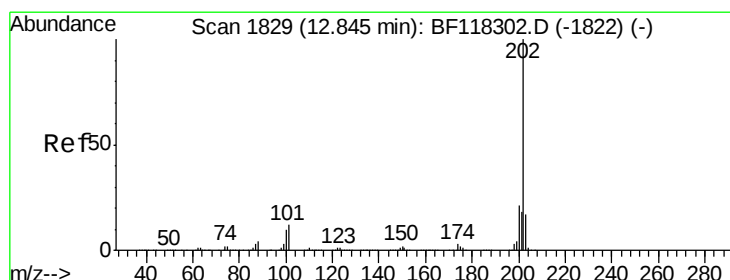
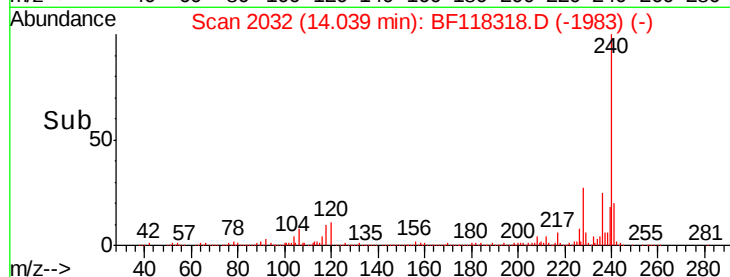
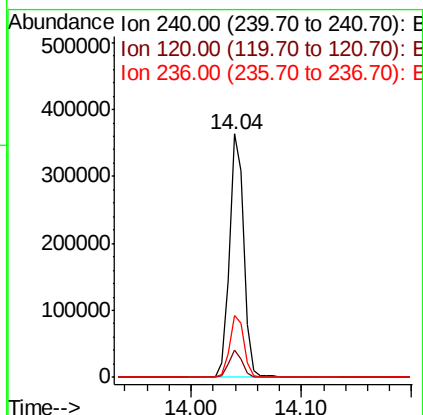
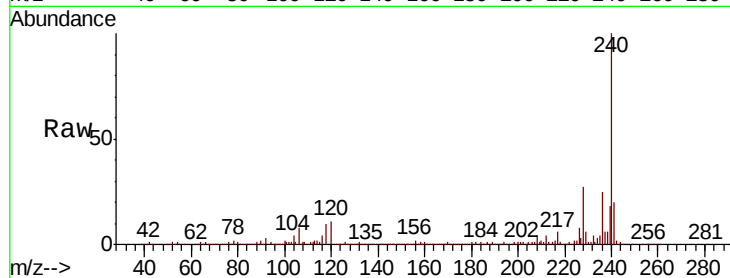
ClientSampled :

TP-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	7.1	10.7#
236	25.3	21.0	31.6

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#78

Pyrene

Concen: 22.920 ng

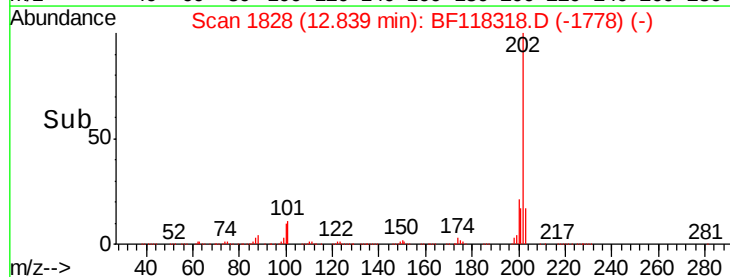
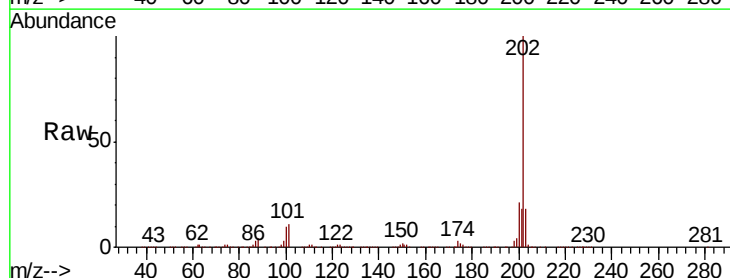
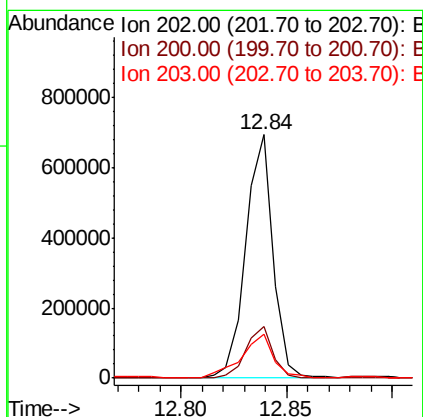
RT: 12.84 min Scan# 1828

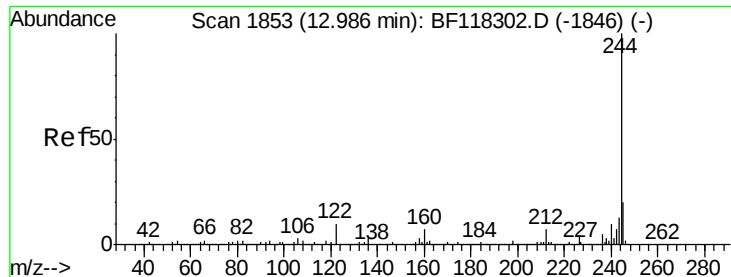
Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	18.0	13.9	20.9





#79

Terphenyl-d14

Concen: 71.926 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

Instrument :

BNA_F

ClientSampled :

TP-1

Tot Ion:244 Resp: 1444176

Ion Ratio Lower Upper

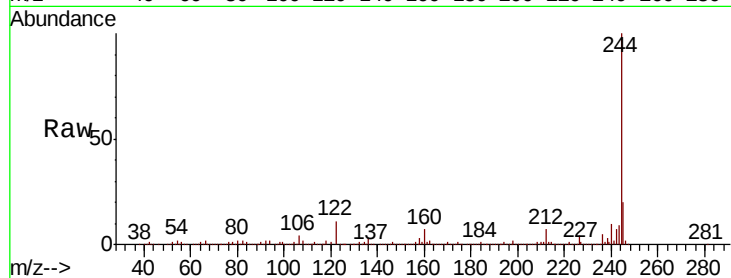
244 100

212 7.0 5.4 8.2

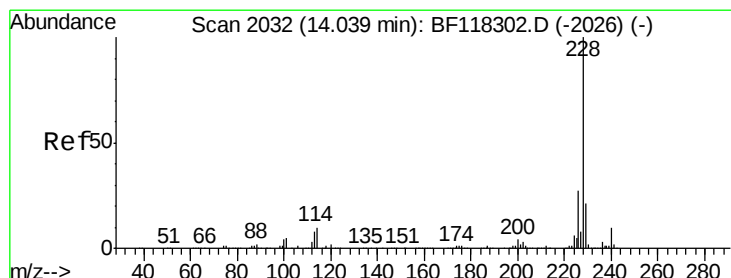
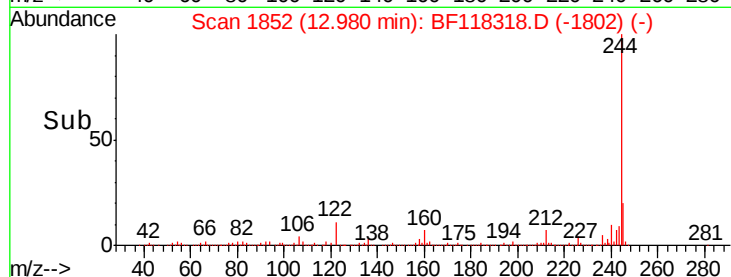
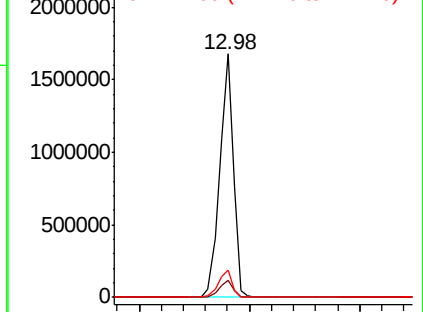
122 11.1 7.8 11.8

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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: 11.581 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

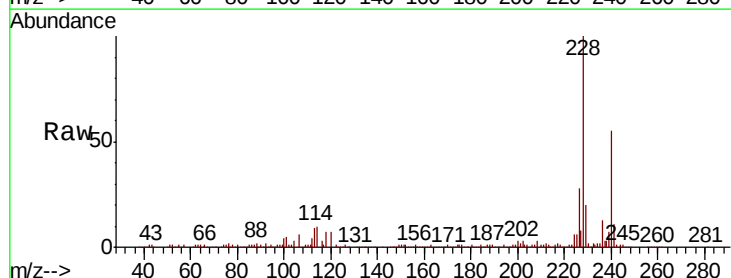
Tgt Ion:228 Resp: 270040

Ion Ratio Lower Upper

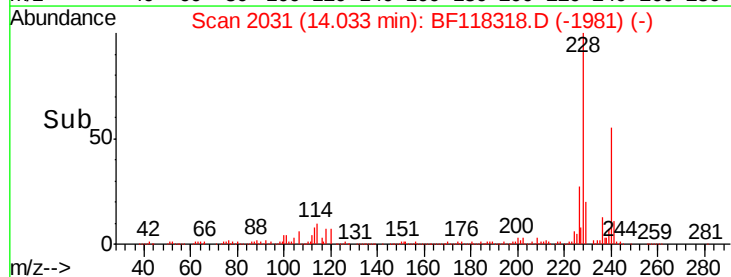
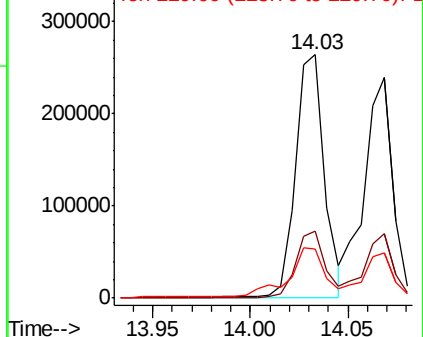
228 100

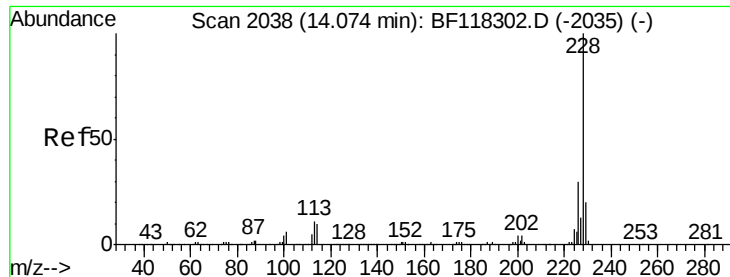
226 27.6 22.0 33.0

229 20.4 16.6 24.8



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





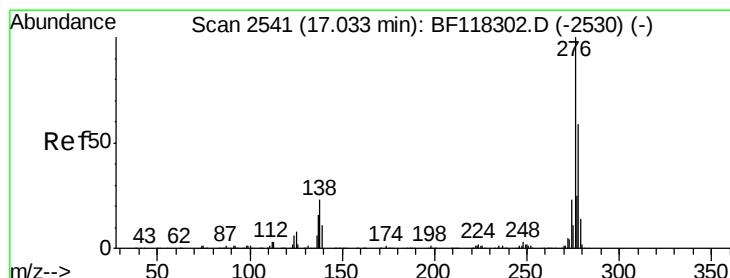
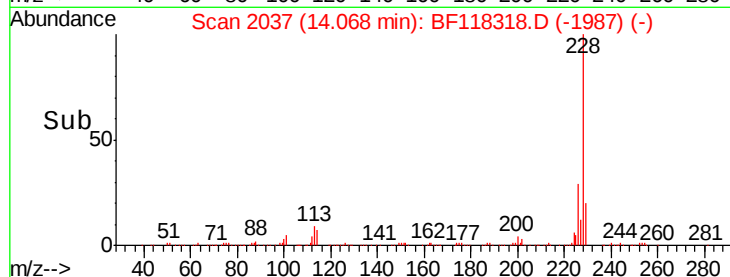
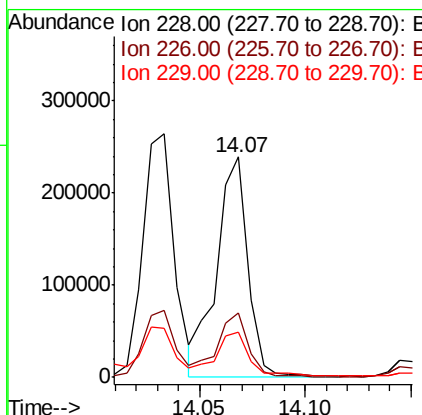
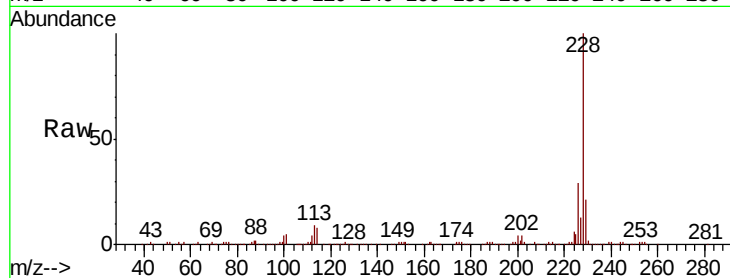
#83
Chrysene
Concen: 10.974 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118318.D
Acq: 26 Dec 2019 16:03

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion:	228	Resp:	244999
Ion Ratio	Lower	Upper	
228	100		
226	29.2	23.9	35.9
229	20.7	16.1	24.1

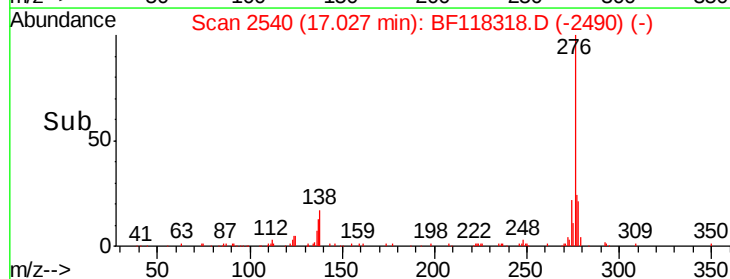
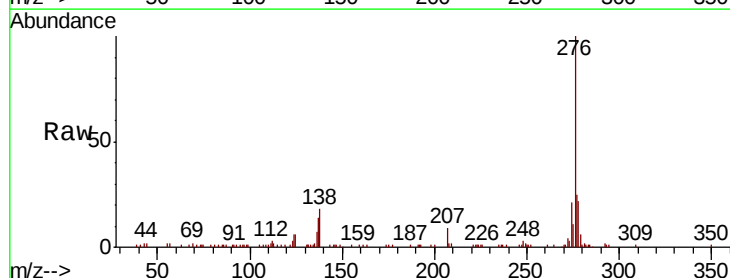
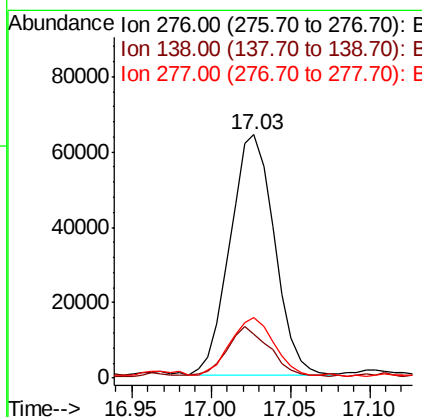
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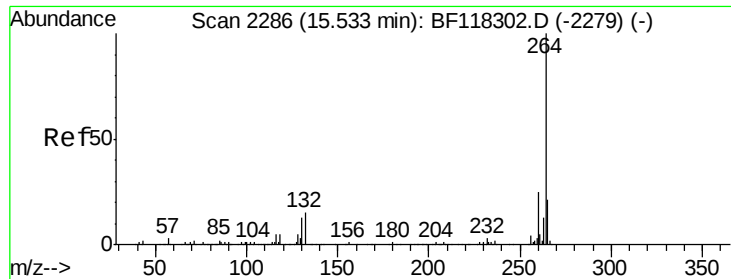
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.504 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF118318.D
Acq: 26 Dec 2019 16:03

Tgt Ion:	276	Resp:	123721
Ion Ratio	Lower	Upper	
276	100		
138	21.0	19.5	29.3
277	23.7	20.6	30.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

Instrument :

BNA_F

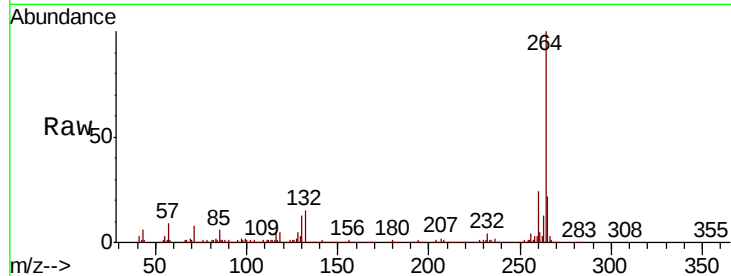
ClientSampleId :

TP-1

Tot Ion:	264	Resp:	357892
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.8	29.6
265	21.5	17.0	25.4

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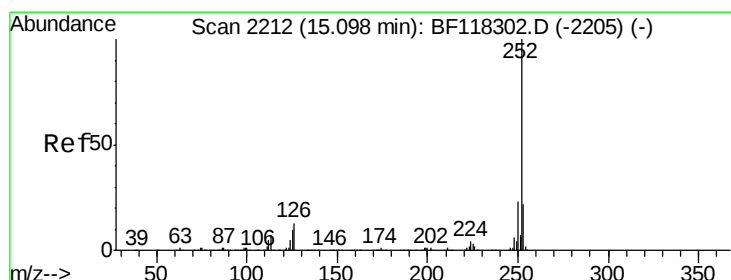
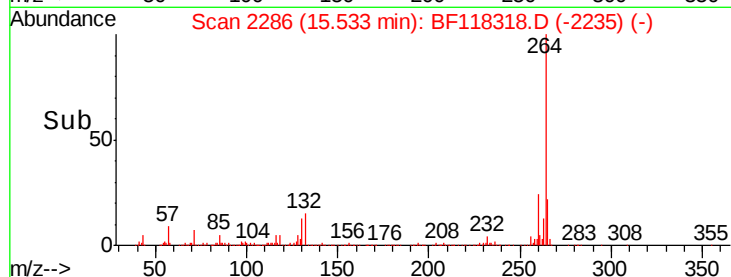
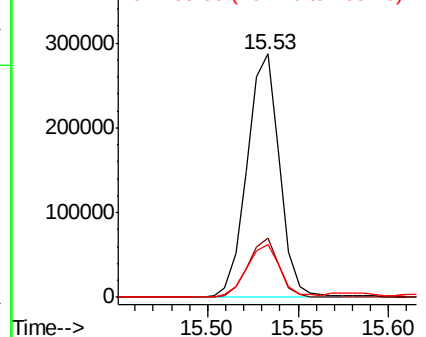


Abundance

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: 11.719 ng m

RT: 15.10 min Scan# 2212

Delta R.T. -0.00 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

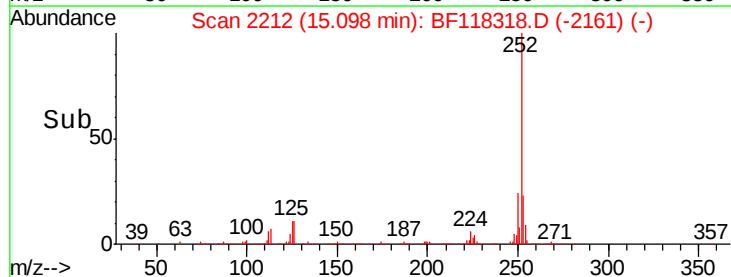
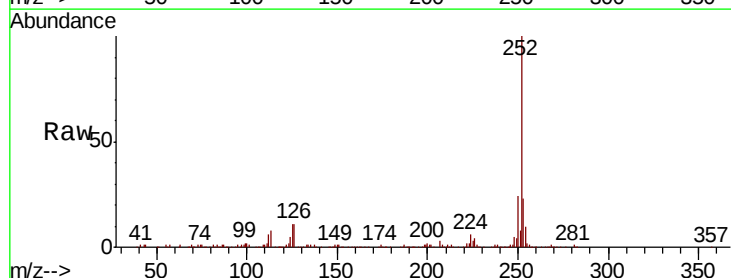
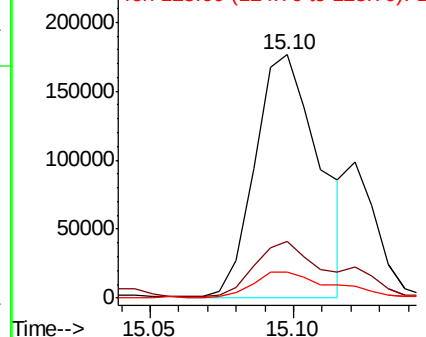
Tgt Ion:	252	Resp:	278399
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.5	26.3
125	10.9	7.7	11.5

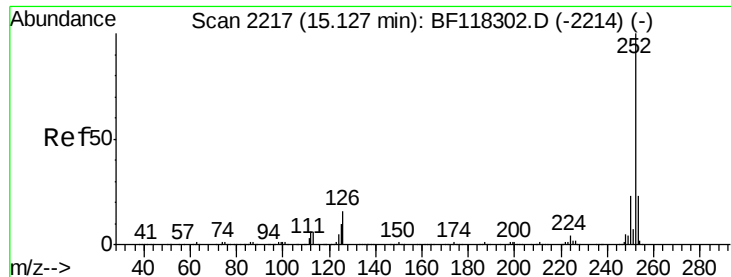
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 3.182 ng

RT: 15.12 min Scan# 2216

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

Instrument :

BNA_F

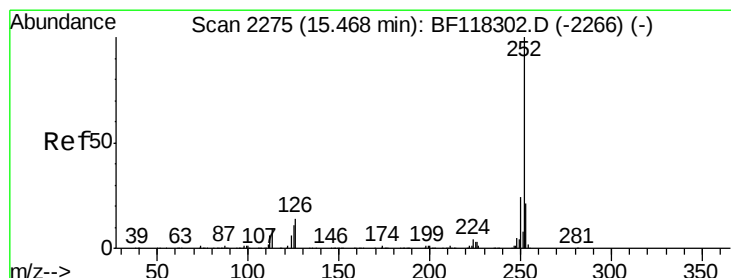
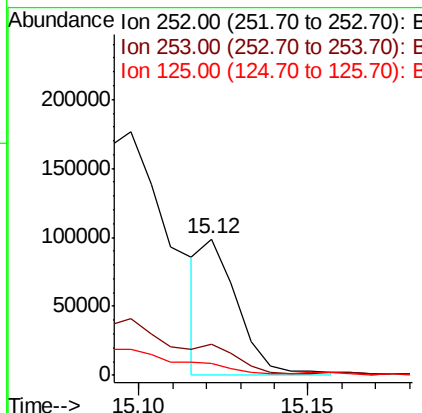
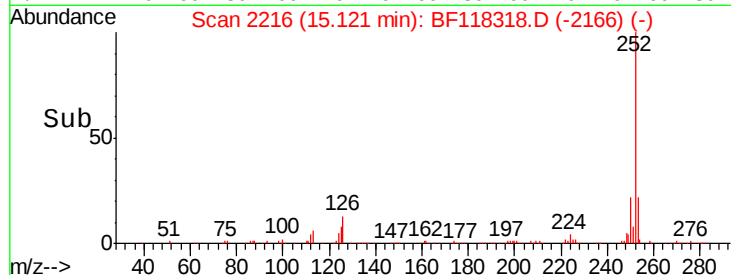
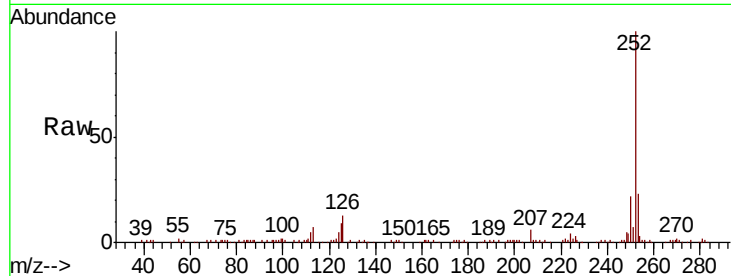
ClientSampleId :

TP-1

Tot Ion:	252	Resp:	72585
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.0	27.0
125	9.2	8.0	12.0

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#90

Benzo(a)pyrene

Concen: 10.011 ng

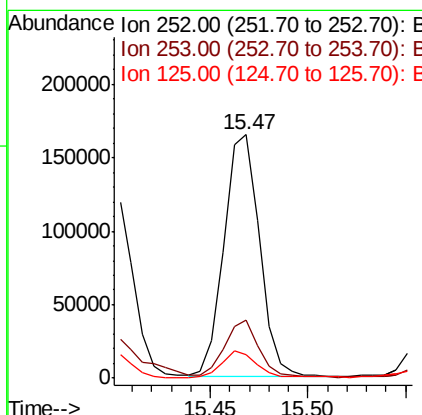
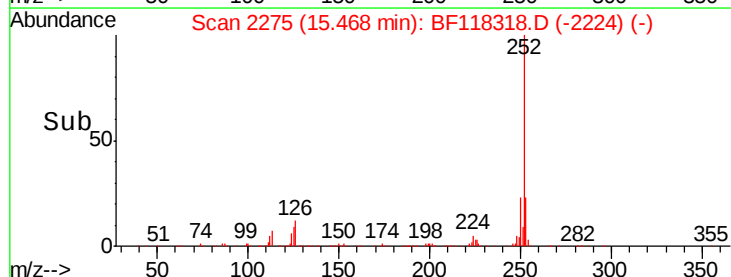
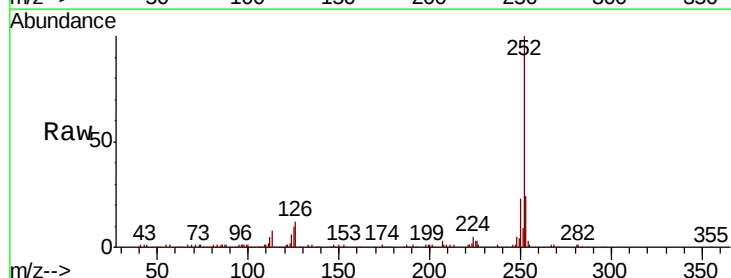
RT: 15.47 min Scan# 2275

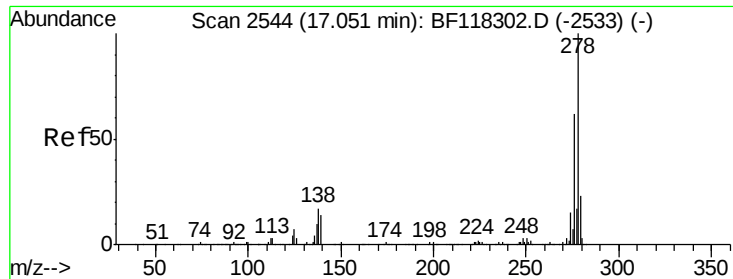
Delta R.T. -0.00 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

Tgt Ion:	252	Resp:	209505
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.0	25.6
125	9.8	9.0	13.4





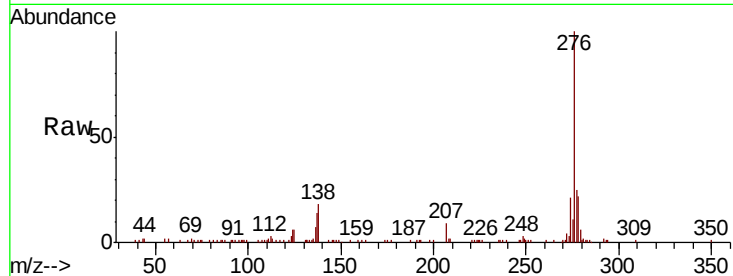
#91
Dibenzo(a,h)anthracene
Concen: 2.011 ng m
RT: 17.03 min Scan# 2540
Delta R.T. -0.02 min
Lab File: BF118318.D
Acq: 26 Dec 2019 16:03

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.5	17.3#
279	27.3	18.3	27.5

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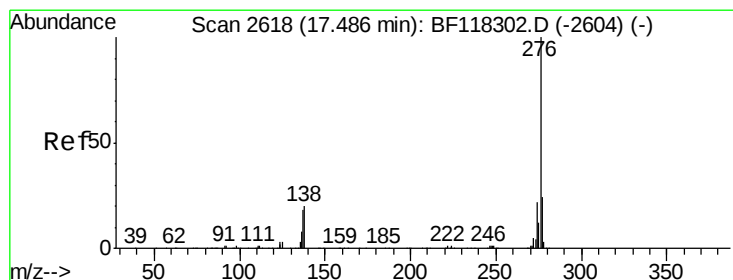
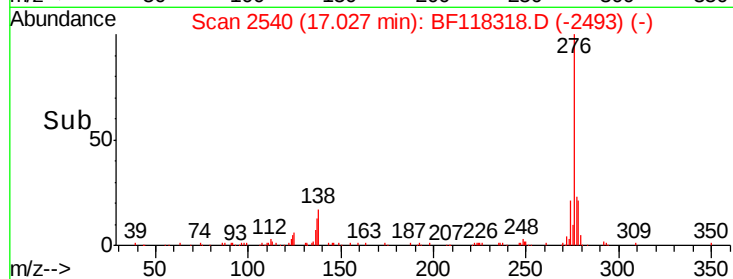
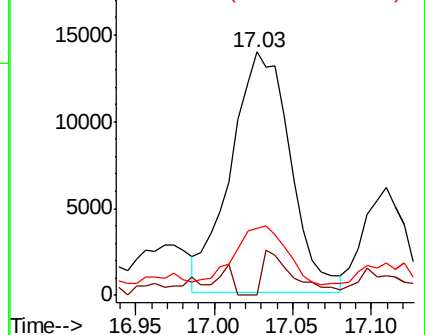


Abundance

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(g,h,i)perylene
Concen: 7.017 ng
RT: 17.47 min Scan# 2616
Delta R.T. -0.01 min
Lab File: BF118318.D
Acq: 26 Dec 2019 16:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.1	28.7
138	22.8	16.1	24.1

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

