

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
 Data File : BF118323.D
 Acq On : 26 Dec 2019 18:23
 Operator : JU
 Sample : K6437-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-1-(3-5)

Manual Integrations
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Quant Time: Dec 27 05:24:12 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	125789	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	498043	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	261470	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	462778	20.00	ng	0.00
76) Chrysene-d12	14.04	240	325798	20.00	ng	-0.01
87) Perylene-d12	15.53	264	363605	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	696821	94.56	ng	0.00
7) Phenol-d6	6.48	99	877375	95.98	ng	0.00
23) Nitrobenzene-d5	7.42	82	520316	59.75	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	285107	88.30	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1035641	60.46	ng	0.00
79) Terphenyl-d14	12.98	244	1061450	54.05	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	27652	2.691	ng	96
50) Dimethylphthalate	9.61	163	46951	2.392	ng	99
71) Phenanthrene	11.42	178	205363	8.140	ng	98
72) Anthracene	11.46	178	50654	2.006	ng	99
75) Fluoranthene	12.62	202	247972	9.739	ng	99
78) Pyrene	12.84	202	210543	7.914	ng	99
81) Benzo(a)anthracene	14.03	228	111108	4.872	ng	98
83) Chrysene	14.07	228	103096	4.721	ng	96
86) Indeno(1,2,3-cd)pyrene	17.03	276	48851	2.626	ng	97
88) Benzo(b)fluoranthene	15.09	252	140115m	5.805	ng	
89) Benzo(k)fluoranthene	15.12	252	48611m	2.098	ng	
90) Benzo(a)pyrene	15.47	252	98476	4.632	ng	97
92) Benzo(a,h,i)perylene	17.49	276	46668	2.618	ng	# 93

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

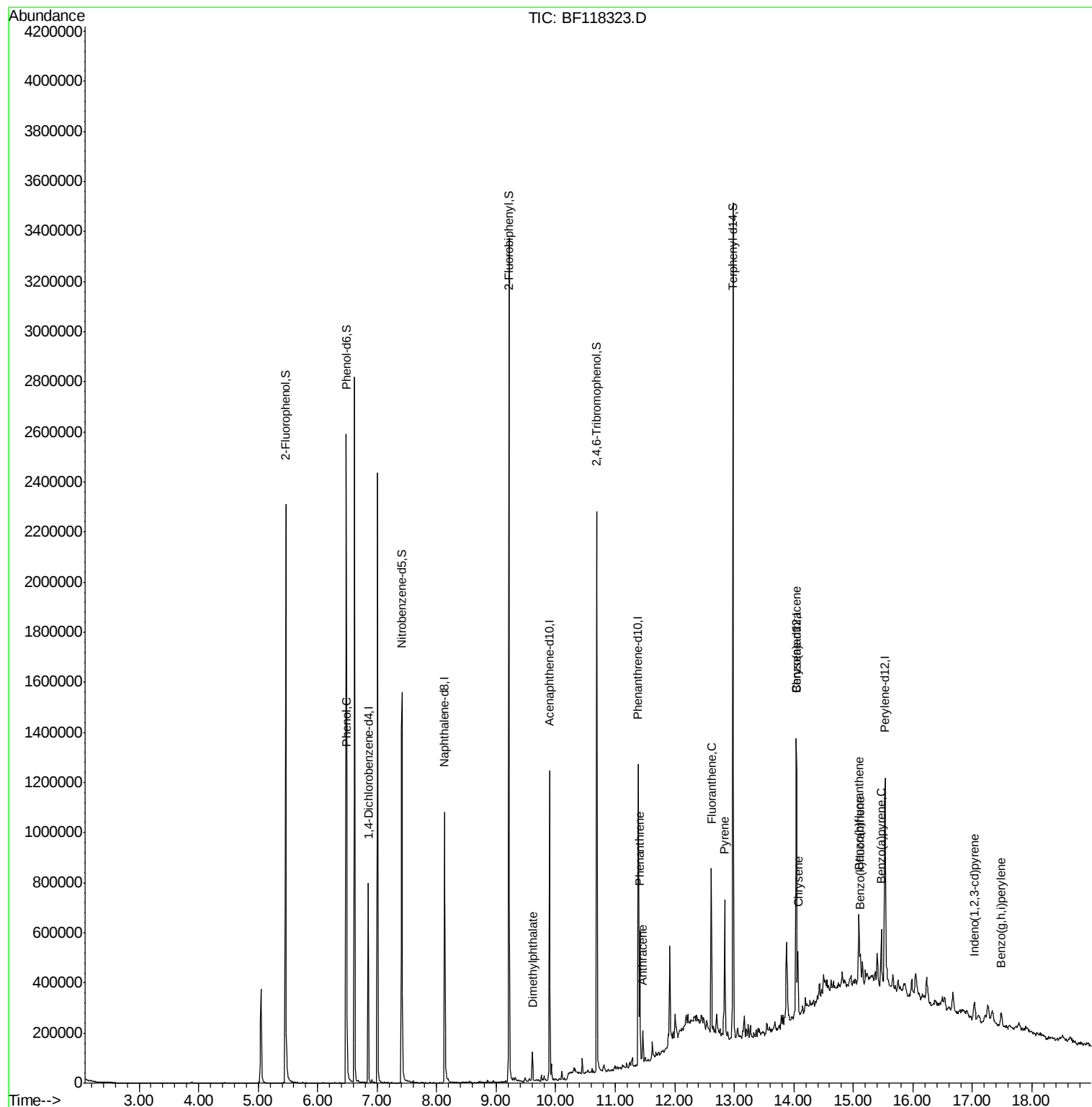
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118323.D
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ALS Vial : 16 Sample Multiplier: 1

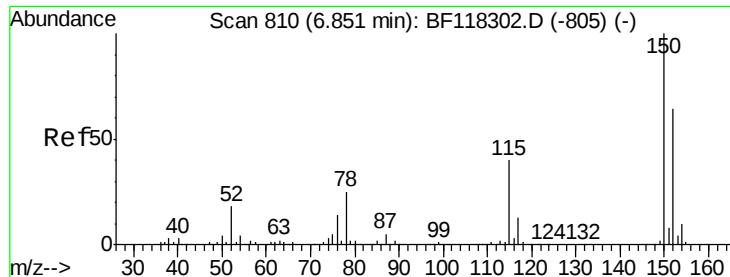
Instrument :
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Quant Time: Dec 27 05:24:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

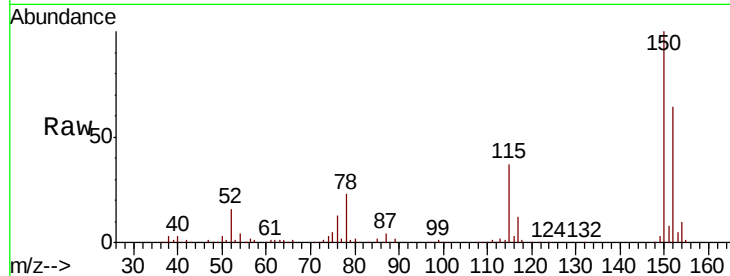
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118323.D
Acq: 26 Dec 2019 18:23

Instrument :
BNA_F
ClientSampleId :
GP-1-(3-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.4	188.2
115	58.1	50.2	75.4

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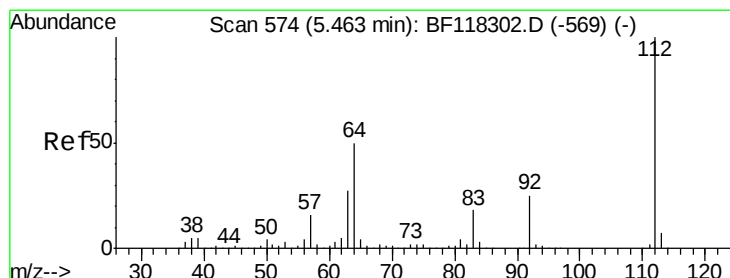
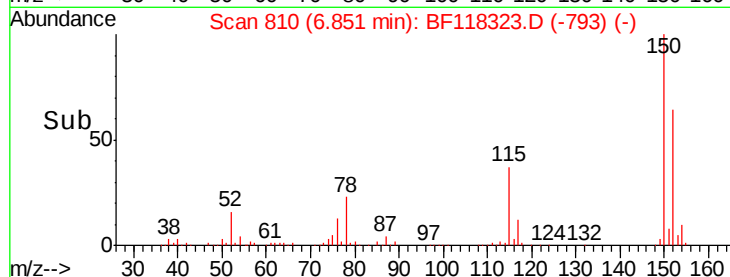
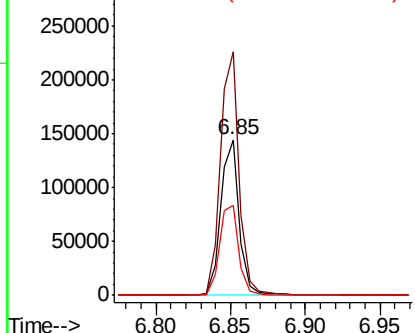


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

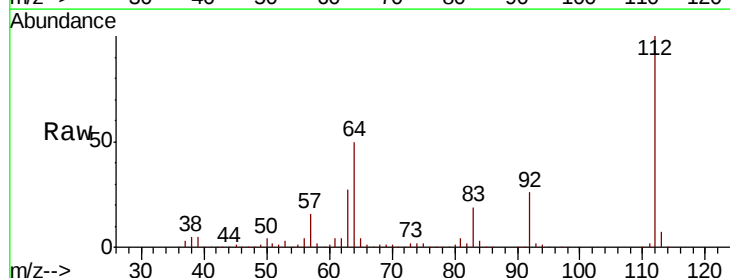
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.560 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF118323.D
Acq: 26 Dec 2019 18:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.4	39.7	59.5
63	26.8	21.7	32.5

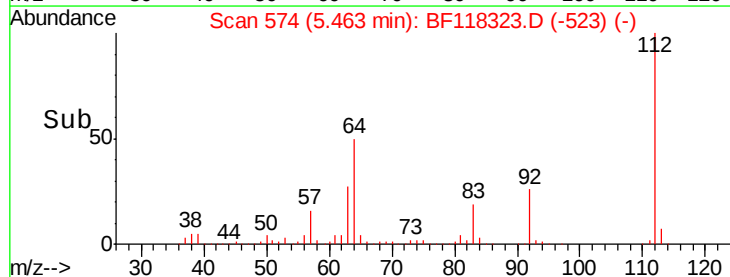
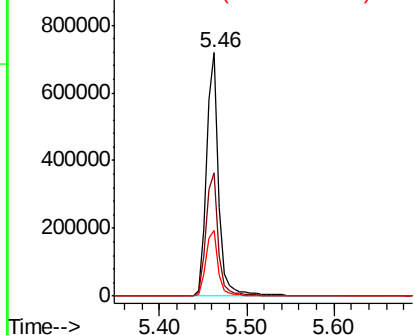


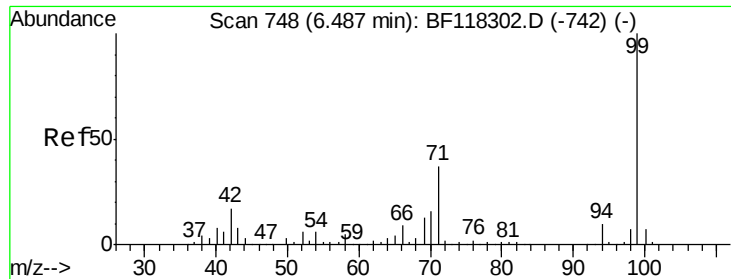
Abundance

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: 95.977 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118323.D

Acq: 26 Dec 2019 18:23

Instrument :

BNA_F

ClientSampleId :

GP-1-(3-5)

Tot Ion: 99 Resp: 877375

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

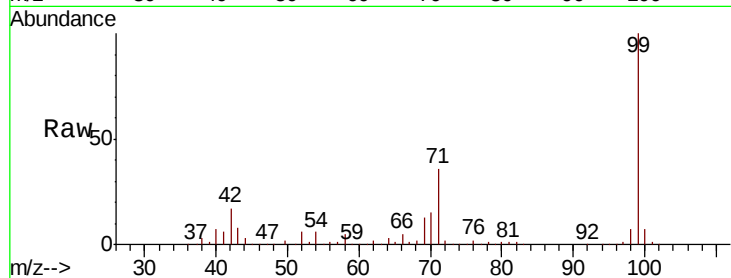
71 36.2 29.4 44.2

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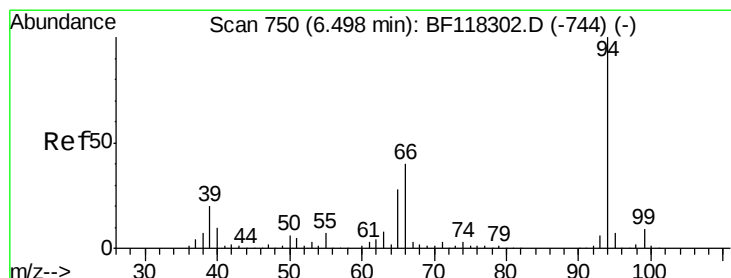
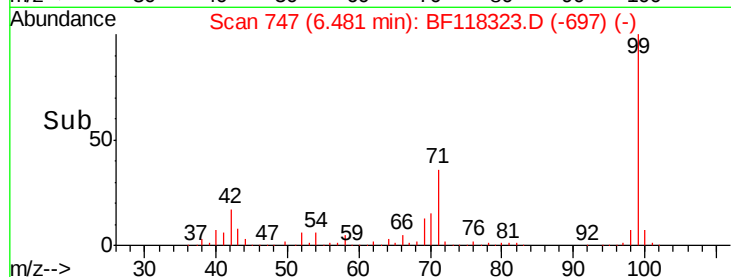
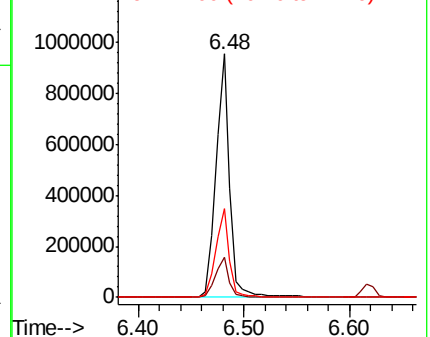
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.691 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118323.D

Acq: 26 Dec 2019 18:23

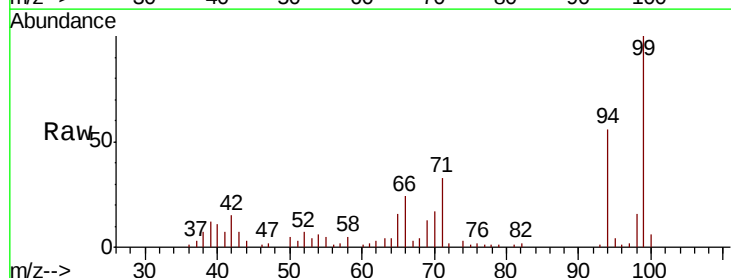
Tgt Ion: 94 Resp: 27652

Ion Ratio Lower Upper

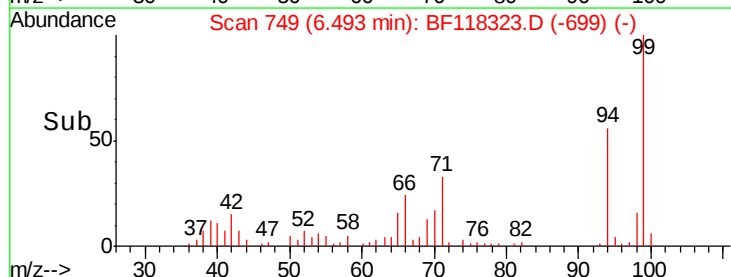
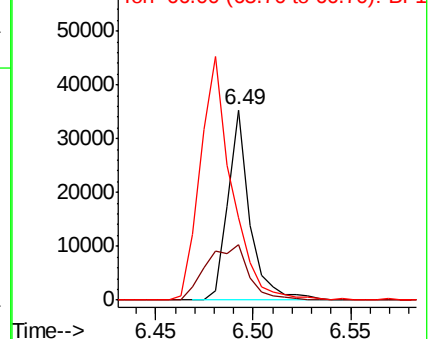
94 100

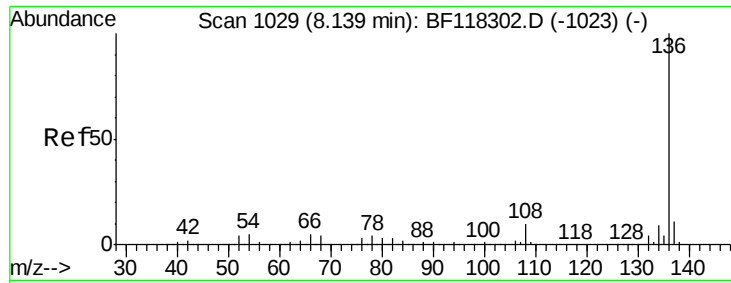
65 28.9 7.8 47.8

66 43.6 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





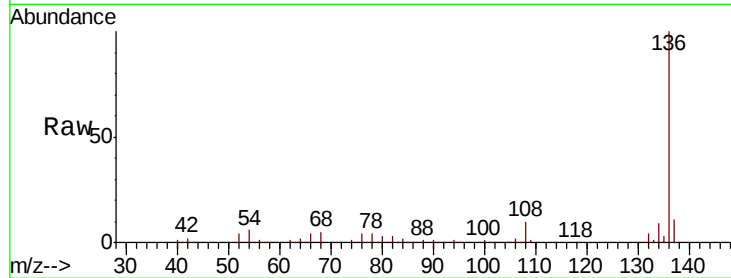
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118323.D
Acq: 26 Dec 2019 18:23

Instrument :
BNA_F
ClientSampleId :
GP-1-(3-5)

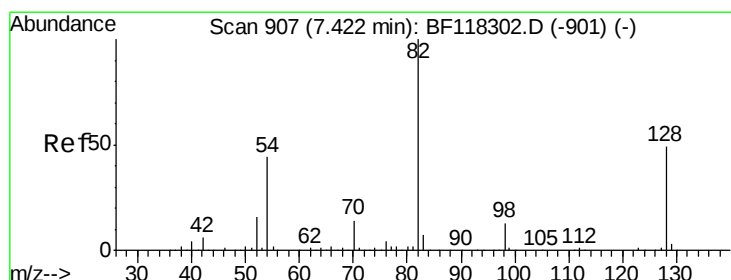
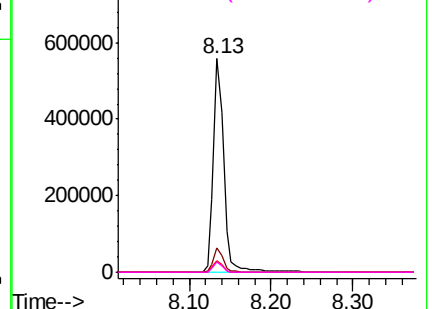
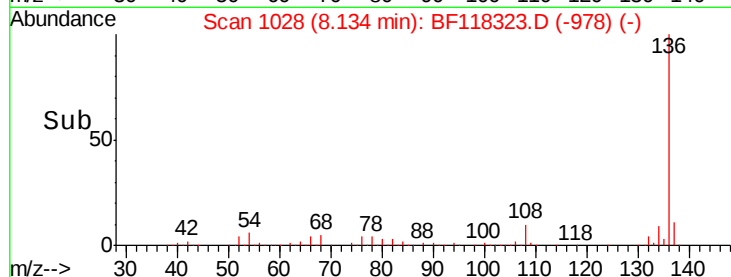
Tot Ion	Ratio	Resp	Lower	Upper
136	100	498043		
137	11.4	8.9	13.3	
54	5.6	4.2	6.4	
68	4.5	3.5	5.3	

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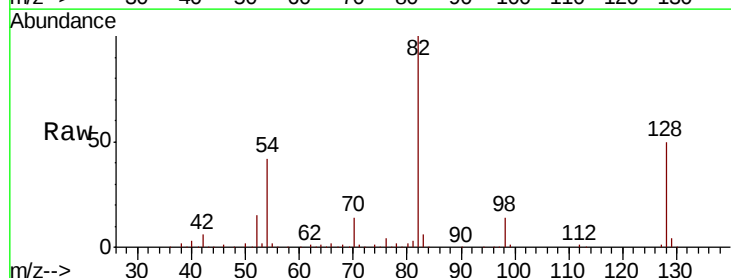


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

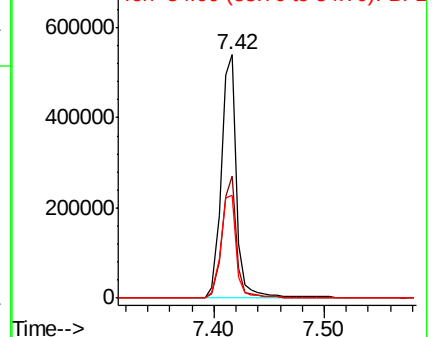
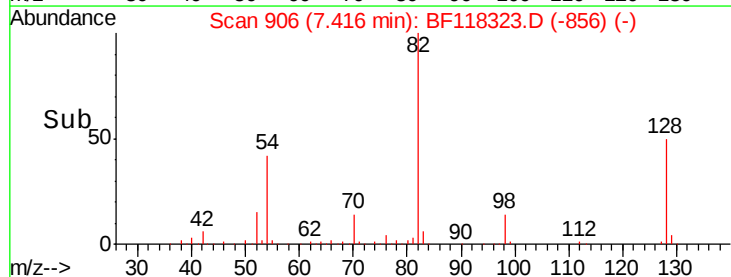


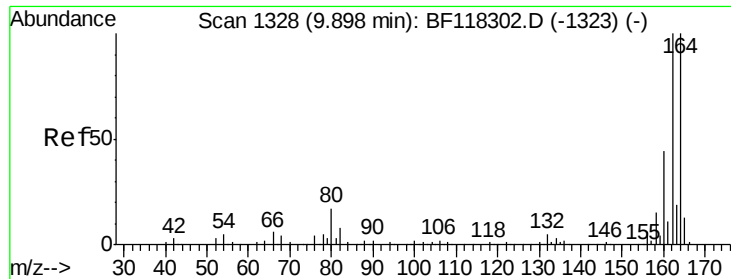
#23
Nitrobenzene-d5
Concen: 59.753 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118323.D
Acq: 26 Dec 2019 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	520316		
128	49.9	39.6	59.4	
54	42.4	34.9	52.3	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





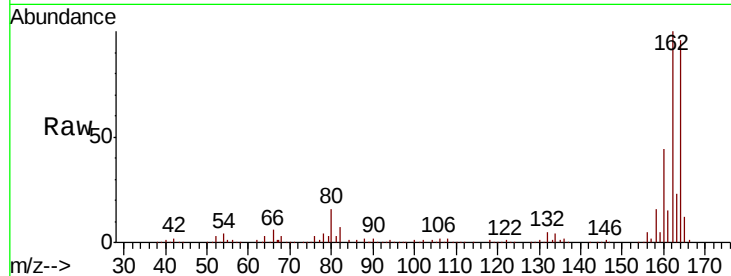
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF118323.D
Acq: 26 Dec 2019 18:23

Instrument :
BNA_F
ClientSampleId :
GP-1-(3-5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.1	80.0	120.0
160	45.5	34.8	52.2

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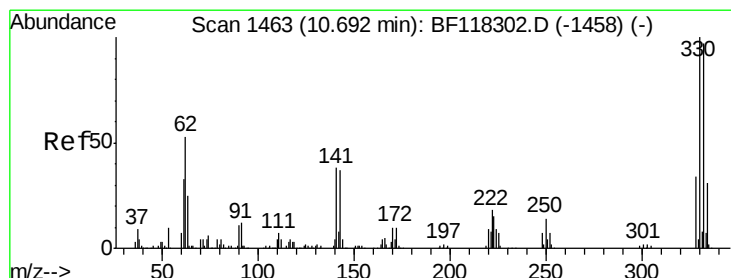
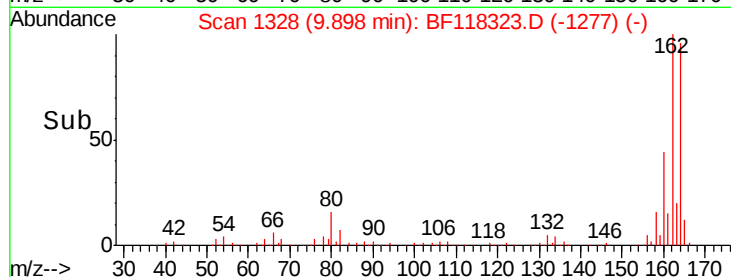
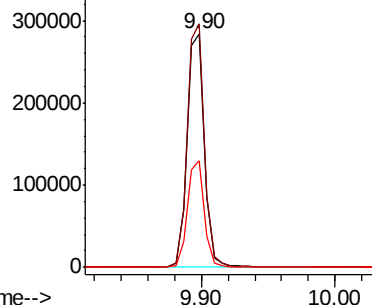


Abundance

Ion 164.00 (163.70 to 164.70): E

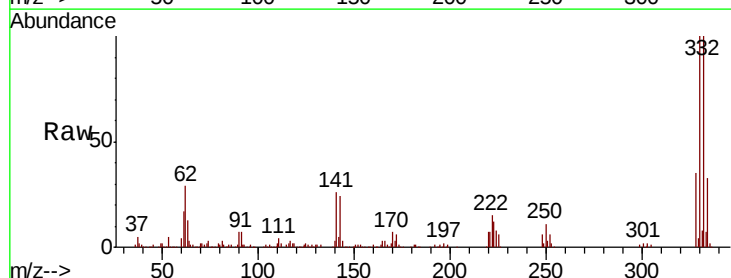
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 88.297 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.00 min
Lab File: BF118323.D
Acq: 26 Dec 2019 18:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.6	114.8
141	32.9	26.0	39.0

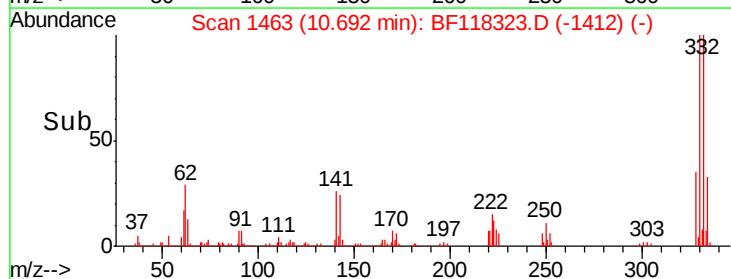
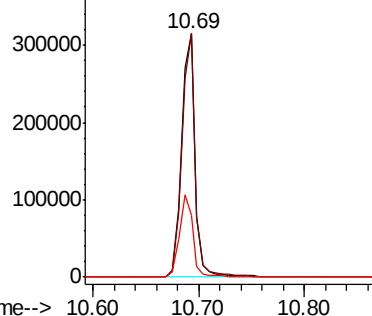


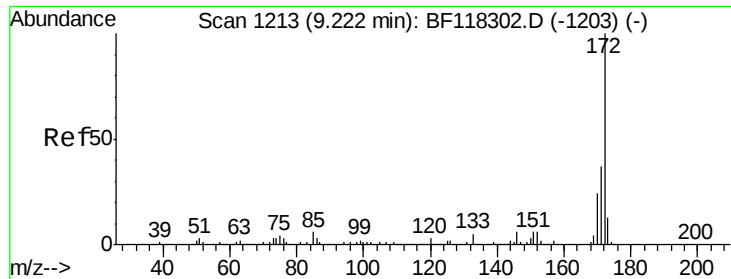
Abundance

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





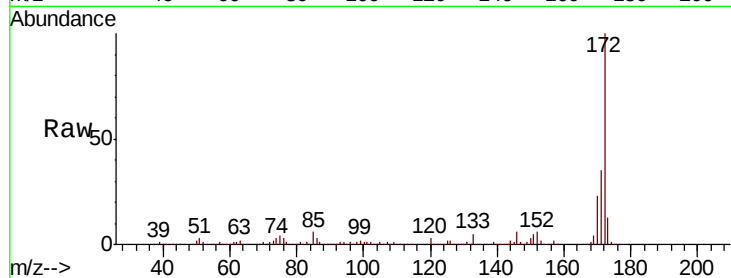
#45
2-Fluorobiphenyl
Concen: 60.461 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118323.D
Acq: 26 Dec 2019 18:23

Instrument :
BNA_F
ClientSampleId :
GP-1-(3-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.3	43.9
170	23.4	19.2	28.8

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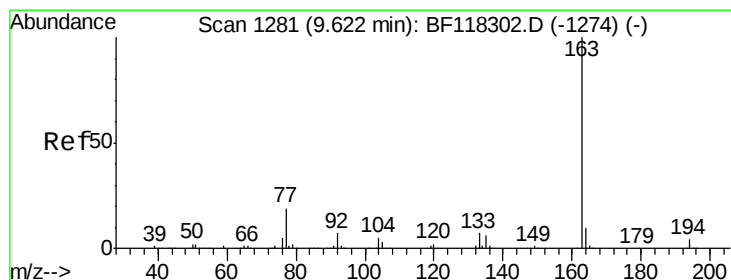
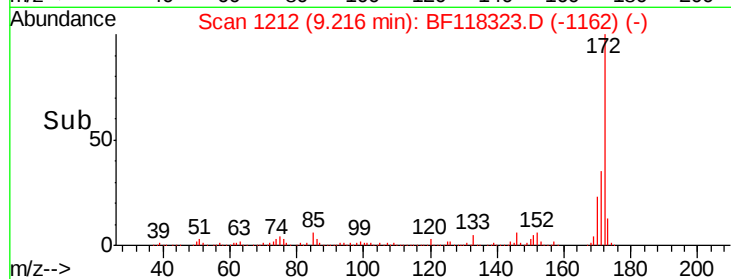
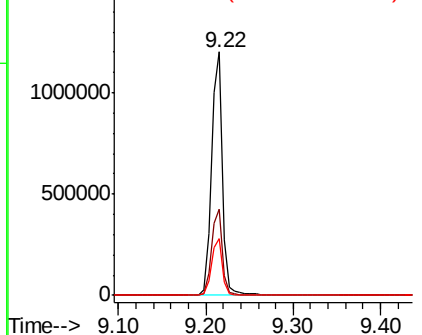


Abundance

Ion 172.00 (171.70 to 172.70): E

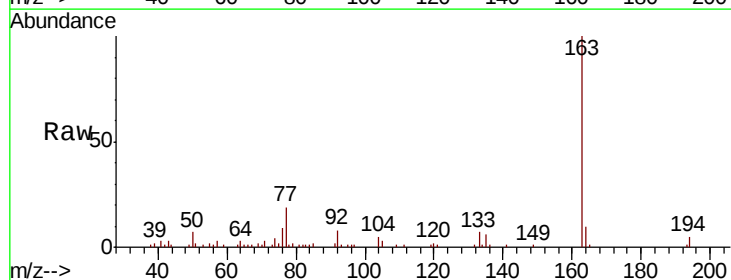
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 2.392 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118323.D
Acq: 26 Dec 2019 18:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.2	4.8
164	10.2	7.9	11.9

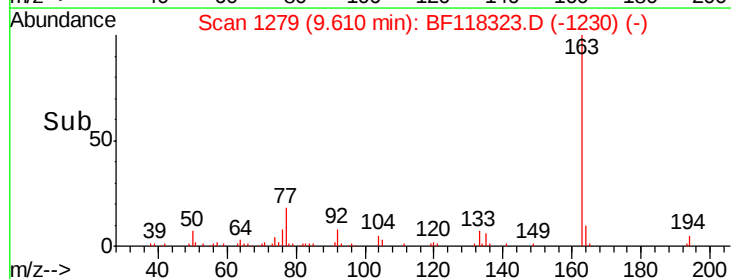
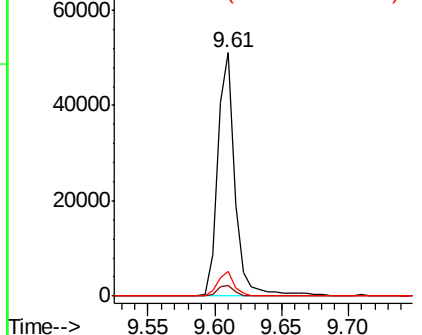


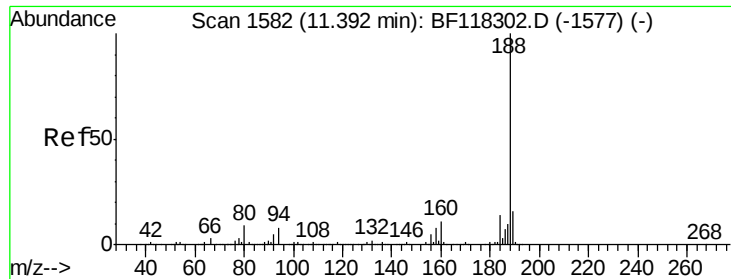
Abundance

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





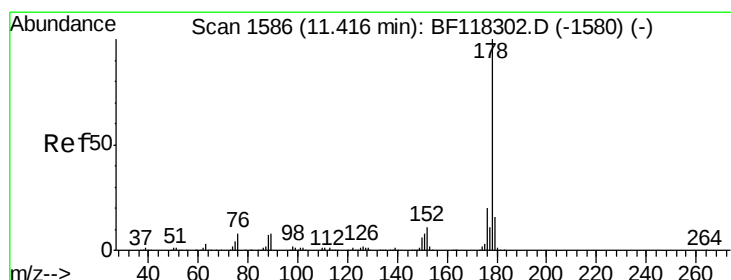
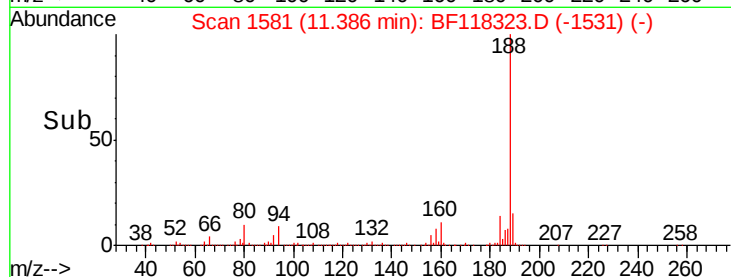
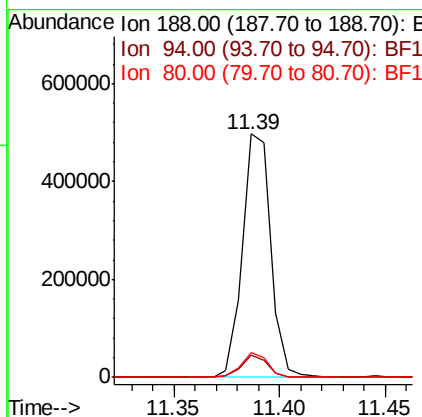
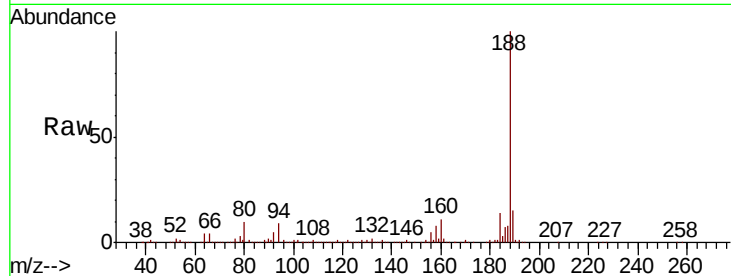
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF118323.D
Acq: 26 Dec 2019 18:23

Instrument :
BNA_F
ClientSampleId :
GP-1-(3-5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	462778		
94	9.2		6.7	10.1
80	9.9		7.2	10.8

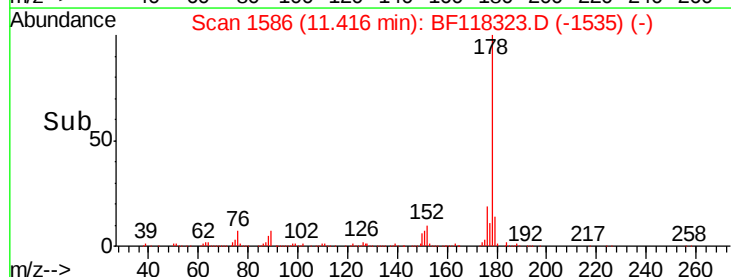
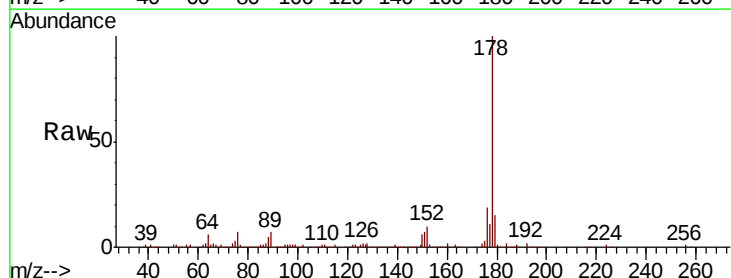
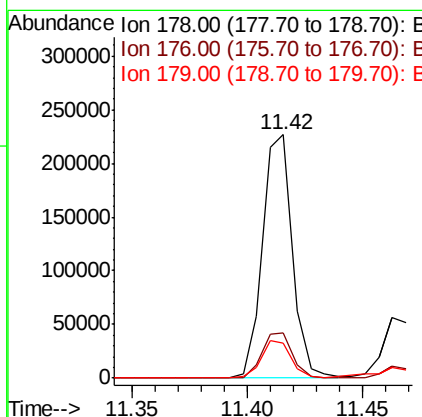
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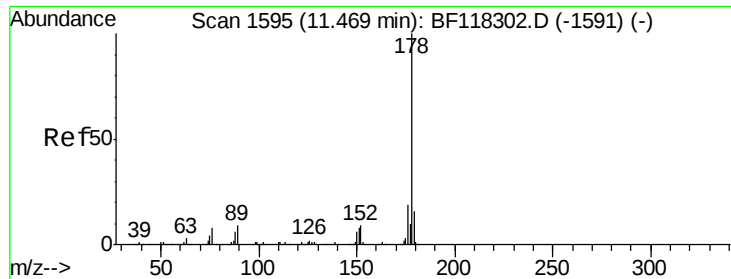
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#71
Phenanthrene
Concen: 8.140 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF118323.D
Acq: 26 Dec 2019 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	205363		
176	18.8		15.6	23.4
179	14.6		12.6	19.0





#72

Anthracene

Concen: 2.006 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF118323.D

Acq: 26 Dec 2019 18:23

Instrument :

BNA_F

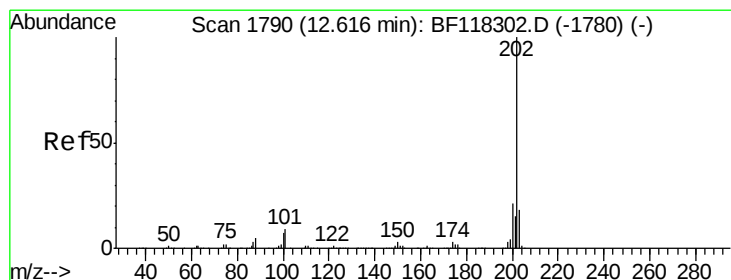
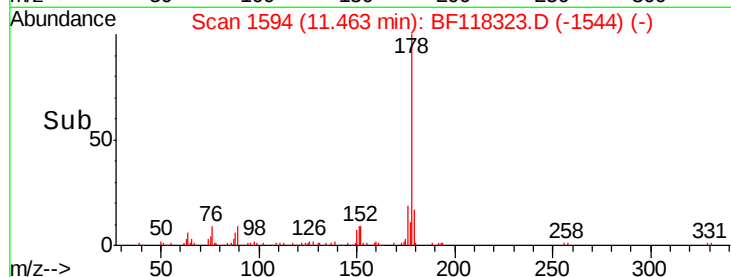
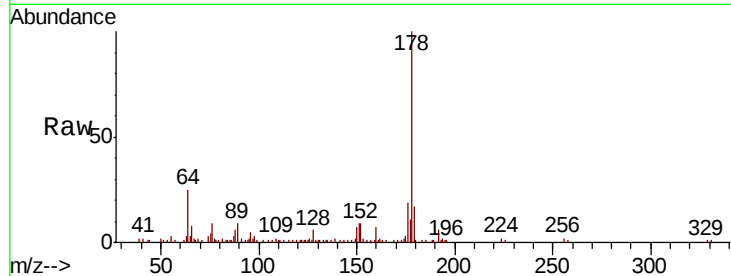
ClientSampleId :

GP-1-(3-5)

Tot Ion:	178	Resp:	50654
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.2	22.8
179	16.6	12.9	19.3

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#75

Fluoranthene

Concen: 9.739 ng

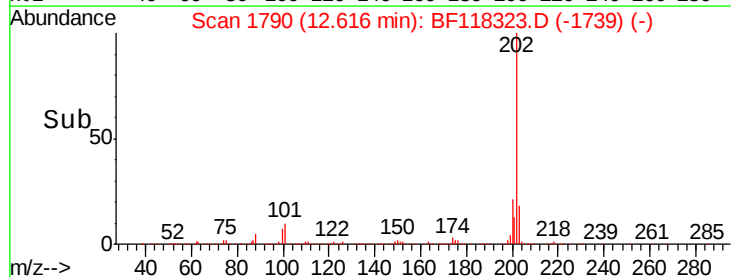
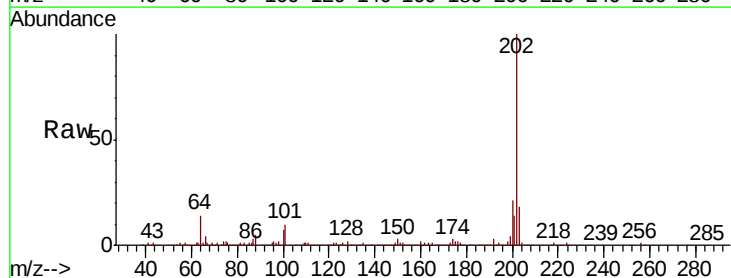
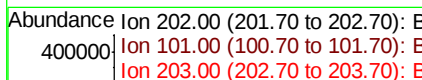
RT: 12.62 min Scan# 1790

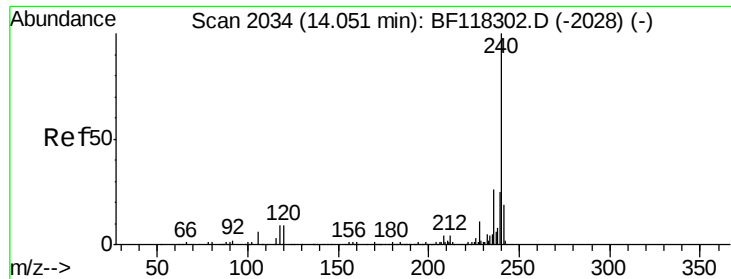
Delta R.T. 0.00 min

Lab File: BF118323.D

Acq: 26 Dec 2019 18:23

Tgt Ion:	202	Resp:	247972
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	29.5
203	18.1	0.0	37.6





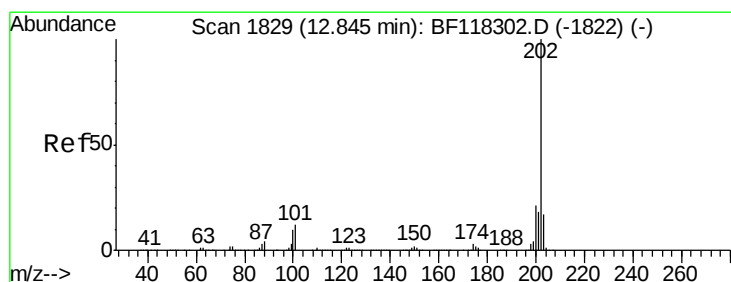
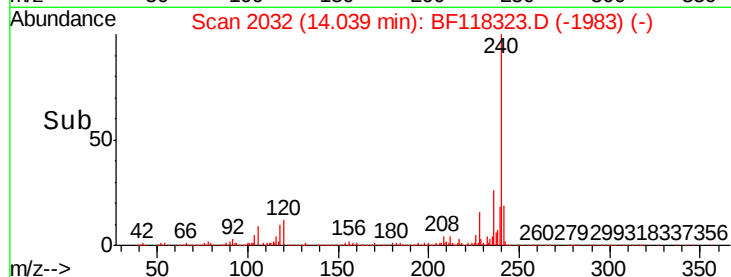
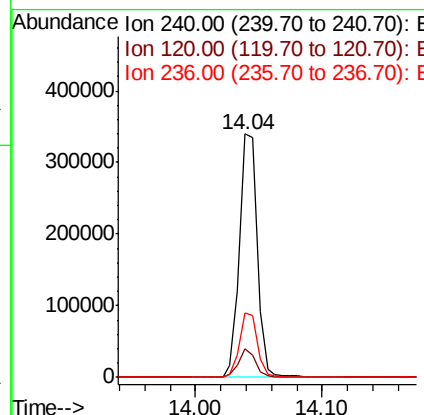
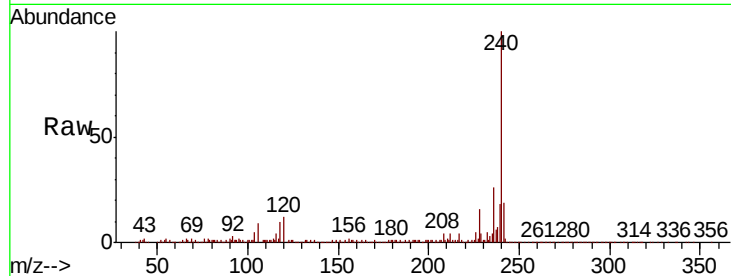
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF118323.D
Acq: 26 Dec 2019 18:23

Instrument :
BNA_F
ClientSampleId :
GP-1-(3-5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	7.1	10.7#
236	26.5	21.0	31.6

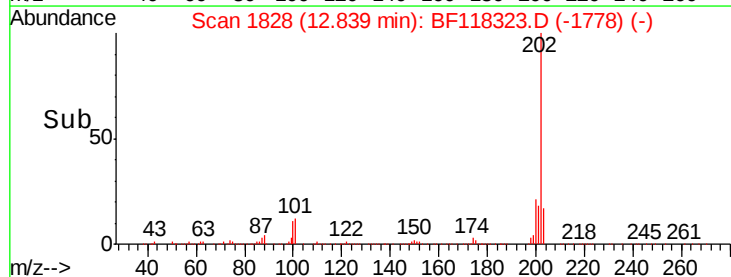
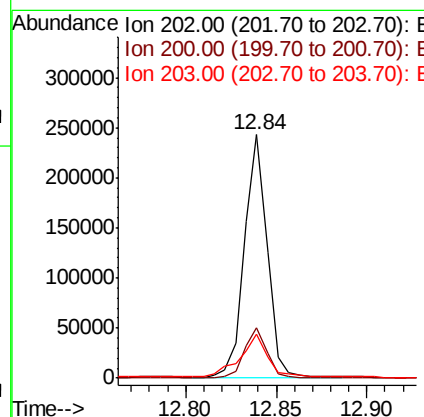
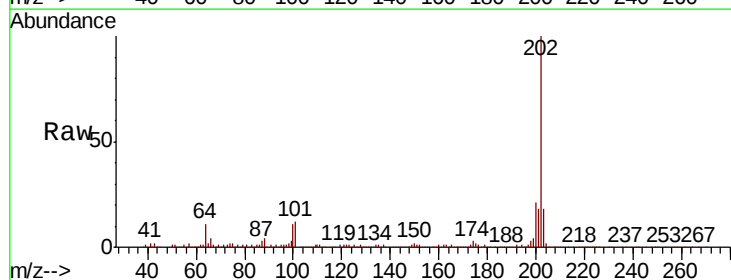
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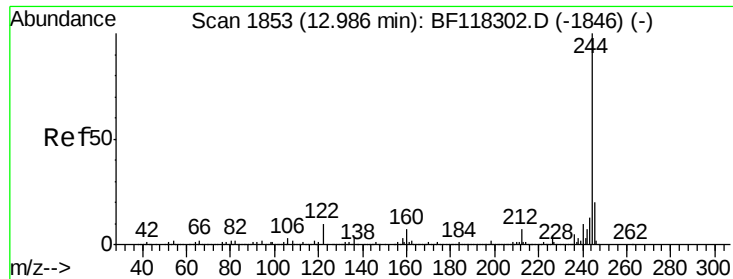
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#78
Pyrene
Concen: 7.914 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF118323.D
Acq: 26 Dec 2019 18:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.8	13.9	20.9





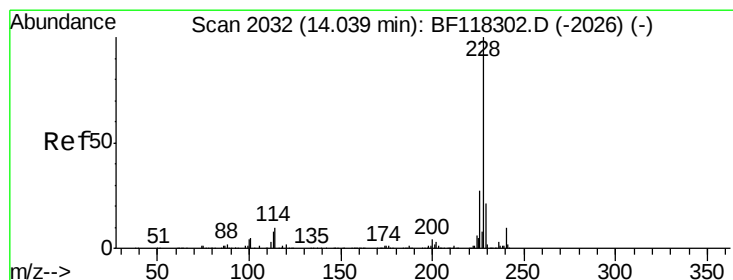
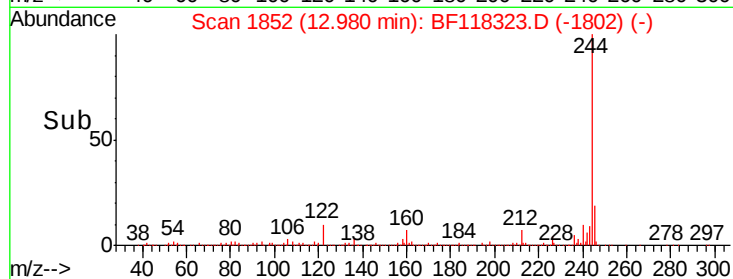
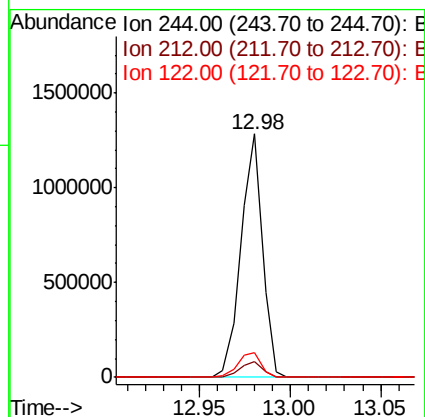
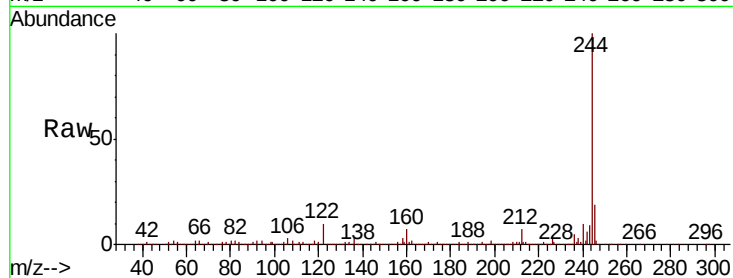
#79
 Terphenyl-d14
 Concen: 54.051 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF118323.D
 Acq: 26 Dec 2019 18:23

Instrument :
 BNA_F
 ClientSampleId :
 GP-1-(3-5)

Tot Ion:244 Resp: 1061450
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 10.2 7.8 11.8

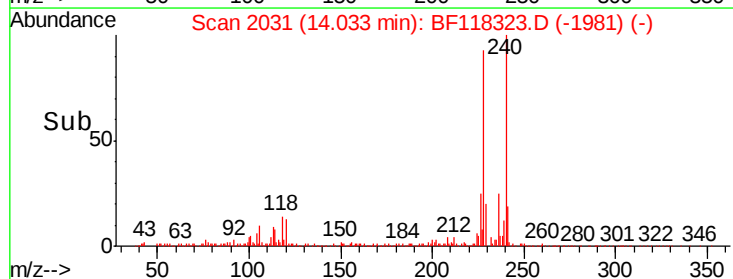
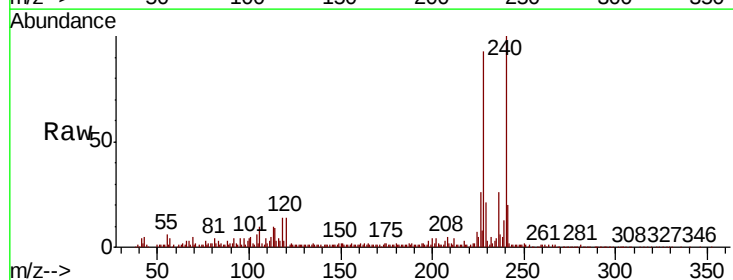
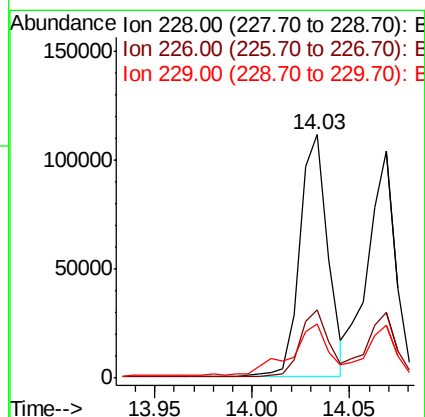
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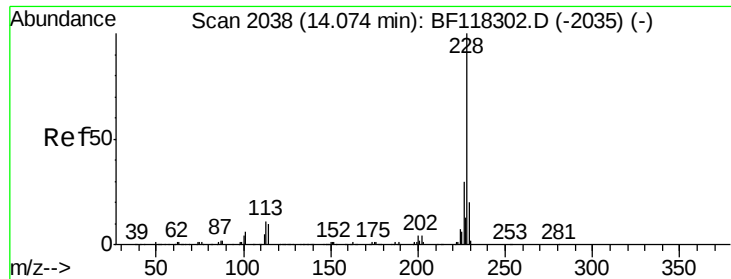
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#81
 Benzo(a)anthracene
 Concen: 4.872 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF118323.D
 Acq: 26 Dec 2019 18:23

Tgt Ion:228 Resp: 111108
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.0 33.0
 229 22.5 16.6 24.8





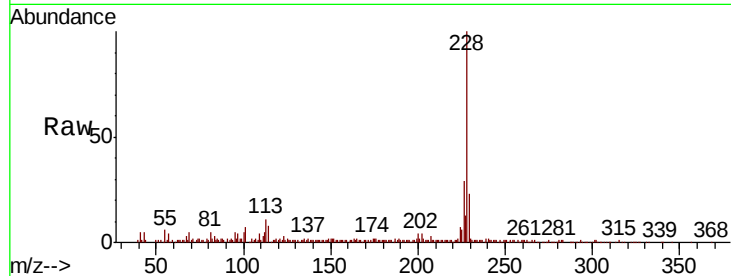
#83
Chrysene
Concen: 4.721 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118323.D
Acq: 26 Dec 2019 18:23

Instrument :
BNA_F
ClientSampled :
GP-1-(3-5)

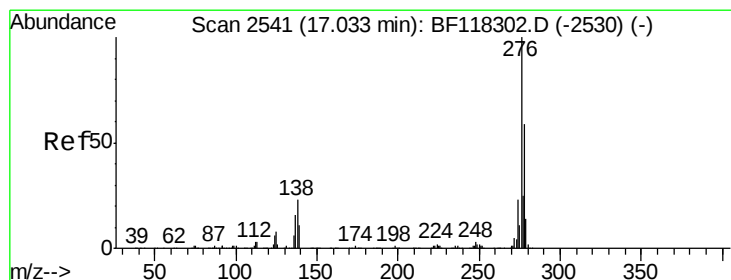
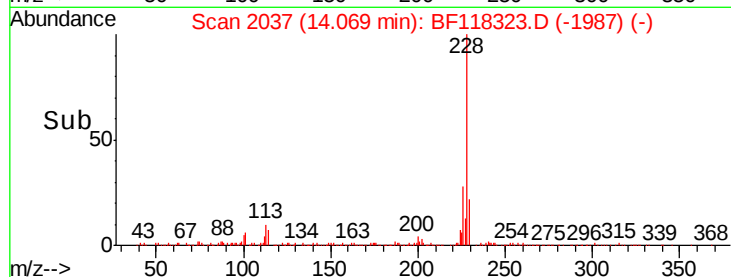
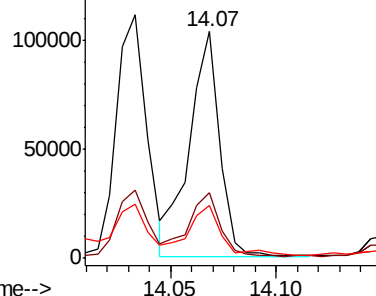
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.9	35.9
229	23.3	16.1	24.1

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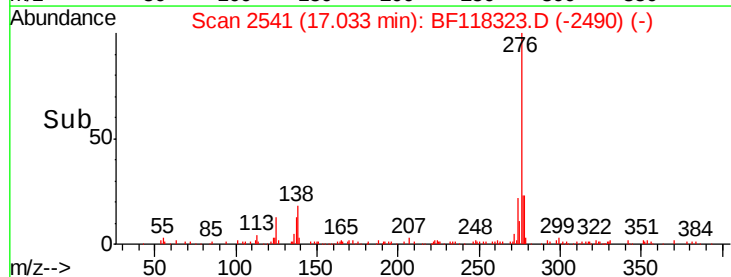
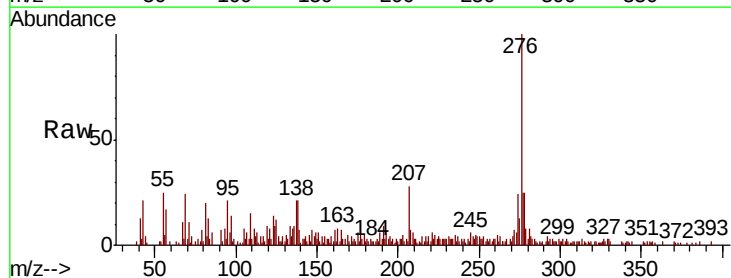
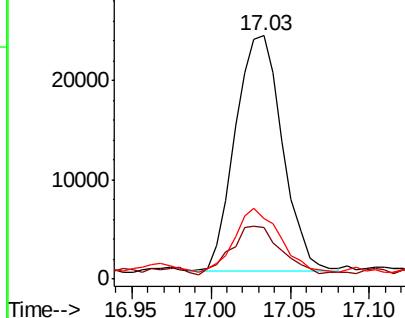
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

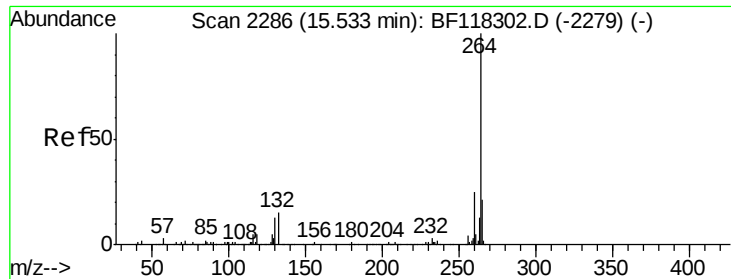


#86
Indeno(1,2,3-cd)pyrene
Concen: 2.626 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.00 min
Lab File: BF118323.D
Acq: 26 Dec 2019 18:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	19.5	29.3
277	26.2	20.6	30.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. 0.00 min

Lab File: BF118323.D

Acq: 26 Dec 2019 18:23

Instrument :

BNA_F

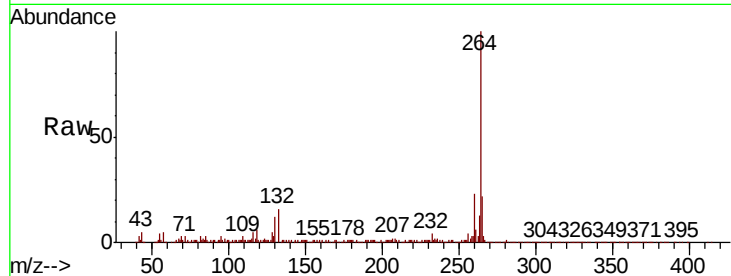
ClientSampleId :

GP-1-(3-5)

Tot Ion:	264	Resp:	363605
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.8	29.6
265	21.5	17.0	25.4

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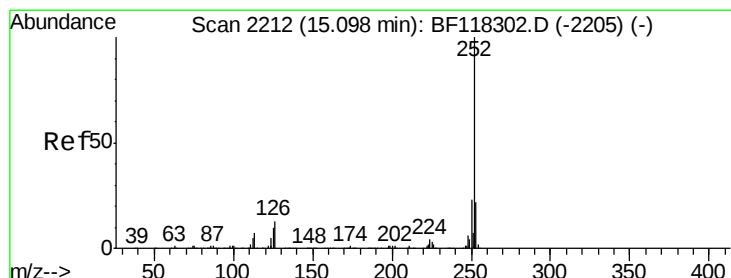
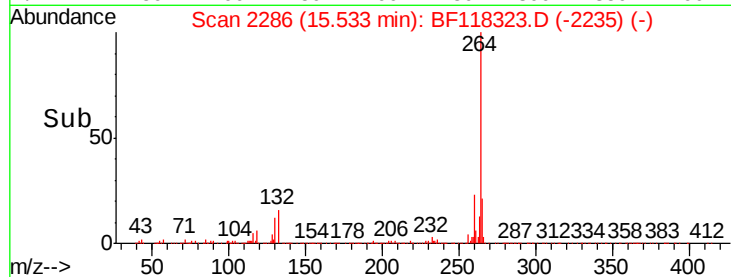
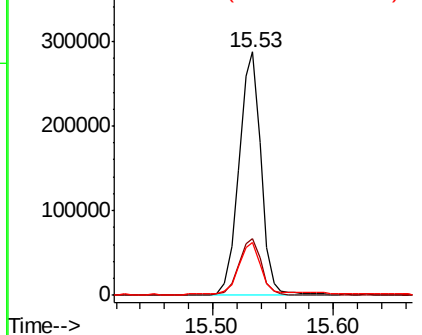


Abundance

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: 5.805 ng m

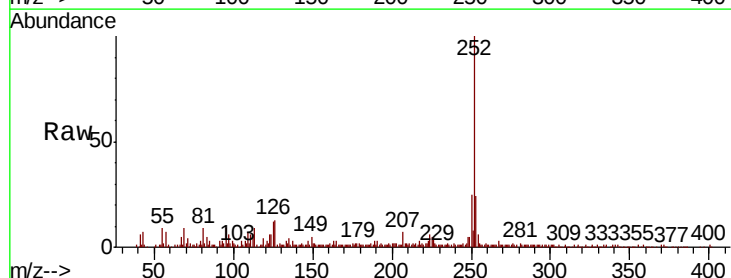
RT: 15.09 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BF118323.D

Acq: 26 Dec 2019 18:23

Tgt Ion:	252	Resp:	140115
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.5	26.3
125	11.8	7.7	11.5#

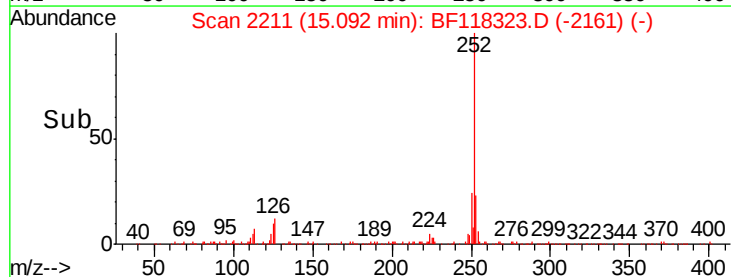
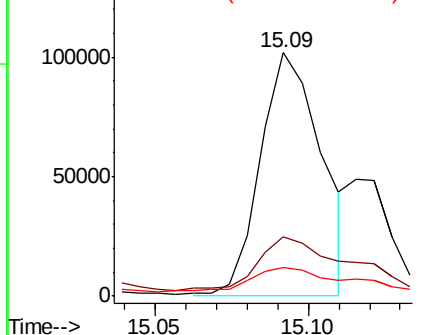


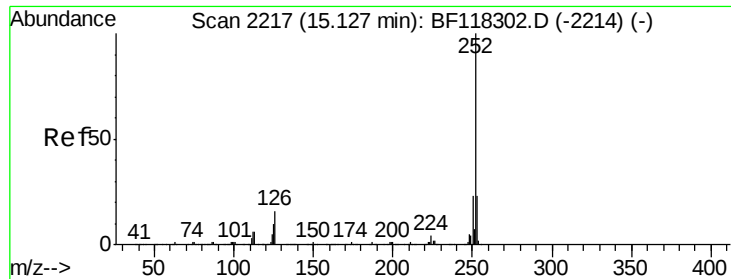
Abundance

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: 2.098 ng/mL

RT: 15.12 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BF118323.D

Acq: 26 Dec 2019 18:23

Instrument :

BNA_F

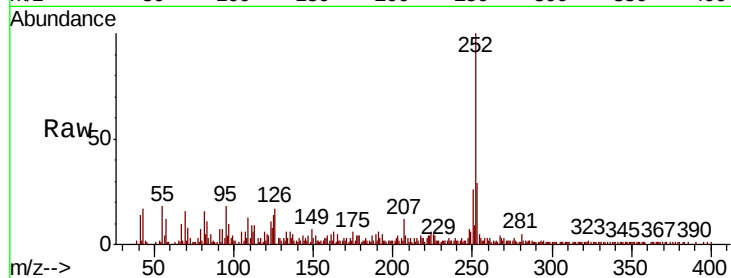
ClientSampleId :

GP-1-(3-5)

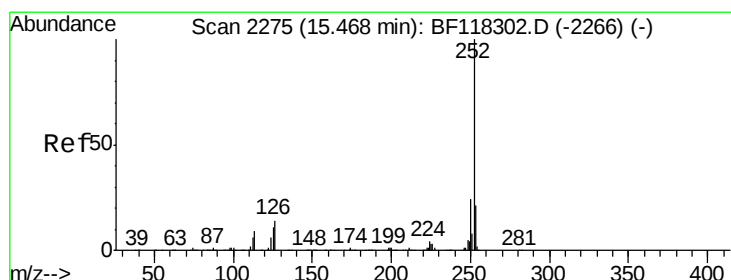
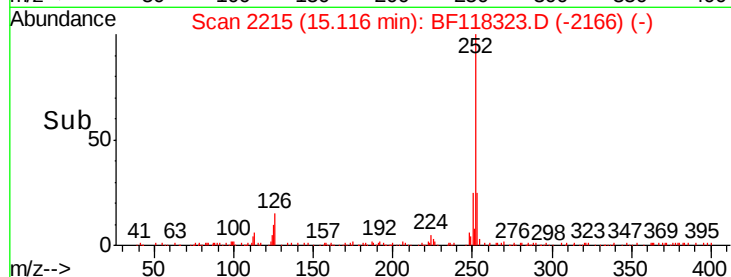
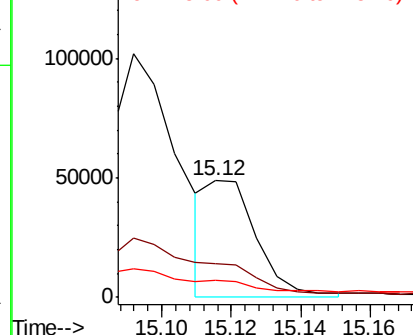
Tot Ion:	252	Resp:	48611
Ion Ratio	Lower	Upper	
252	100		
253	28.7	18.0	27.0#
125	14.3	8.0	12.0#

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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: 4.632 ng/mL

RT: 15.47 min Scan# 2275

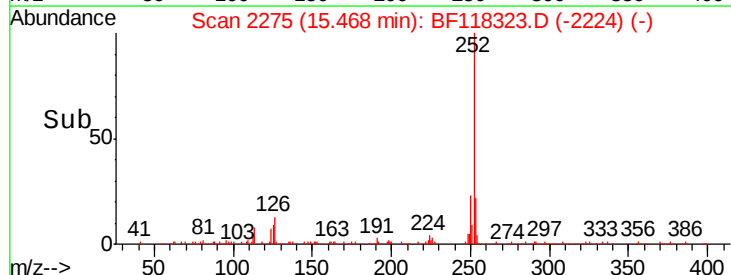
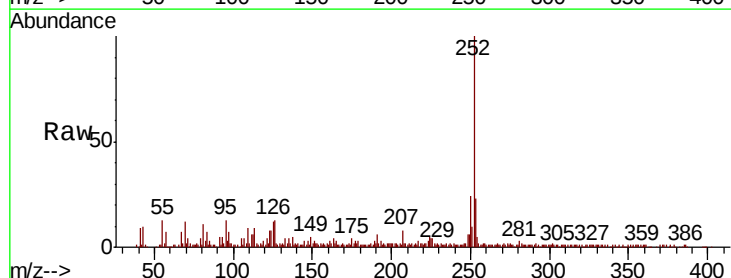
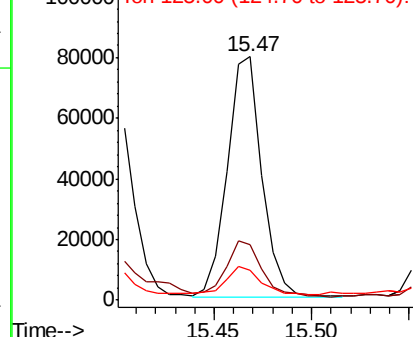
Delta R.T. 0.00 min

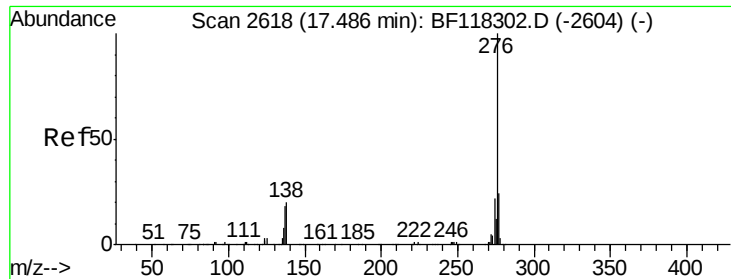
Lab File: BF118323.D

Acq: 26 Dec 2019 18:23

Tgt Ion:	252	Resp:	98476
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.0	25.6
125	12.2	9.0	13.4

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





#92
 Benzo(a,h,i)perylene
 Concen: 2.618 ng
 RT: 17.49 min Scan# 2618
 Delta R.T. 0.00 min
 Lab File: BF118323.D
 Acq: 26 Dec 2019 18:23

Instrument :
 BNA_F
 ClientSampleId :
 GP-1-(3-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.1	28.7
138	24.6	16.1	24.1

Manual Integrations
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