

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
 Data File : BF118320.D
 Acq On : 26 Dec 2019 16:59
 Operator : JU
 Sample : K6437-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-2-(1-3)

Manual Integrations
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Quant Time: Dec 27 05:02:57 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	111851	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	437331	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	235547	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	454261	20.00	ng	0.00
76) Chrysene-d12	14.04	240	292313	20.00	ng	0.00
87) Perylene-d12	15.53	264	326519	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	637919	97.35	ng	0.00
7) Phenol-d6	6.48	99	802592	98.74	ng	0.00
23) Nitrobenzene-d5	7.41	82	477732	62.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	275764	94.80	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	986548	63.93	ng	-0.01
79) Terphenyl-d14	12.98	244	1182179	67.09	ng	0.00
Target Compounds						
10) Phenol	6.49	94	24233	2.652	ng	94
50) Dimethylphthalate	9.61	163	45435	2.570	ng	99
71) Phenanthrene	11.42	178	716075	28.916	ng	99
72) Anthracene	11.46	178	144464	5.828	ng	98
75) Fluoranthene	12.61	202	1122709	44.922	ng	98
78) Pyrene	12.84	202	1188473	49.788	ng	99
81) Benzo(a)anthracene	14.03	228	480677	23.492	ng	99
83) Chrysene	14.07	228	452765	23.110	ng	99
86) Indeno(1,2,3-cd)pyrene	17.03	276	265492	15.904	ng	94
88) Benzo(b)fluoranthene	15.09	252	545931m	25.188	ng	
89) Benzo(k)fluoranthene	15.12	252	185488m	8.913	ng	
90) Benzo(a)pyrene	15.46	252	444323	23.271	ng	97
91) Dibenzo(a,h)anthracene	17.03	278	68798m	4.152	ng	
92) Benzo(a,h,i)perylene	17.47	276	257716	16.102	ng	99

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

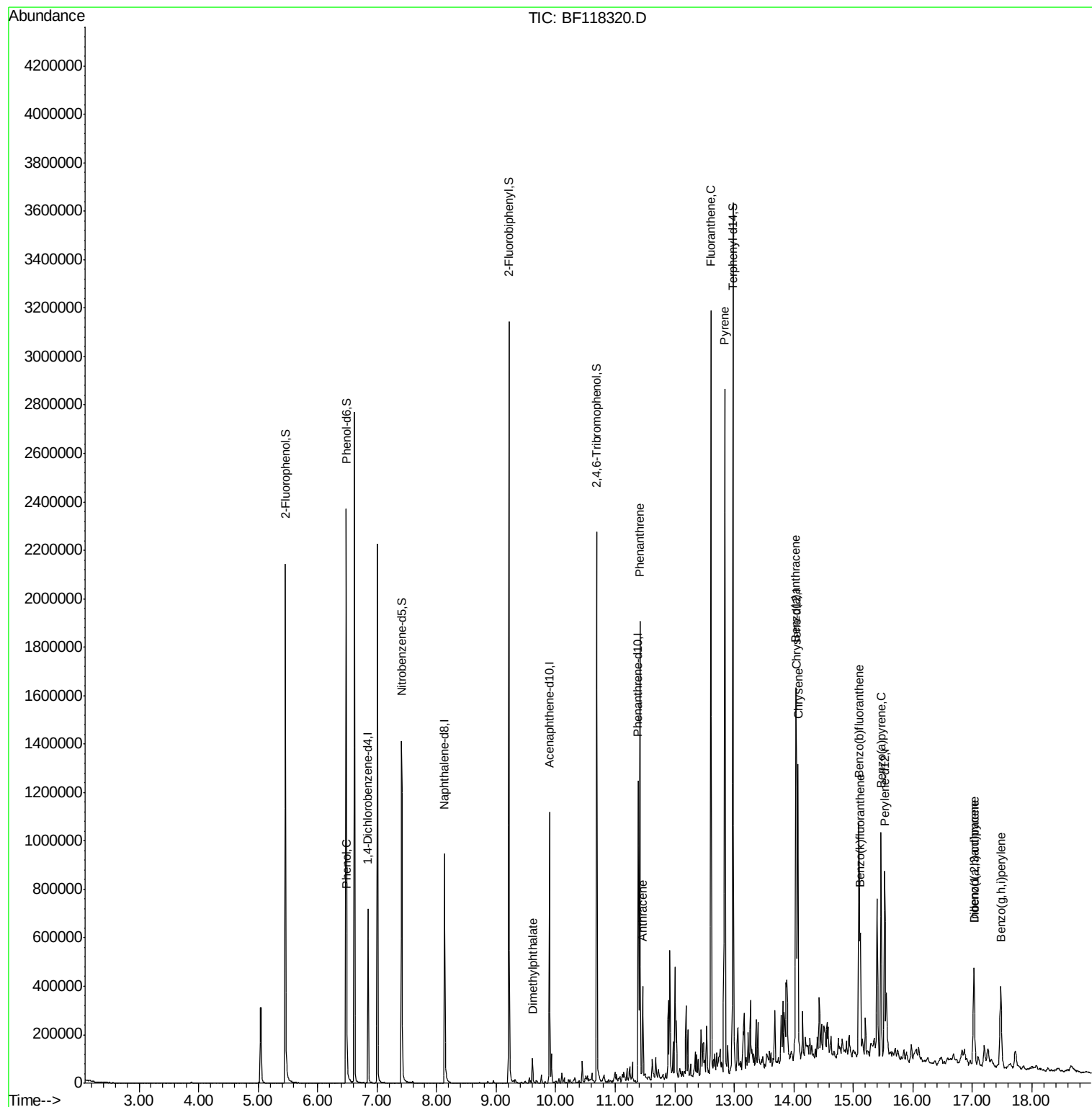
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118320.D
Acq On : 26 Dec 2019 16:59
Operator : JU
Sample : K6437-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

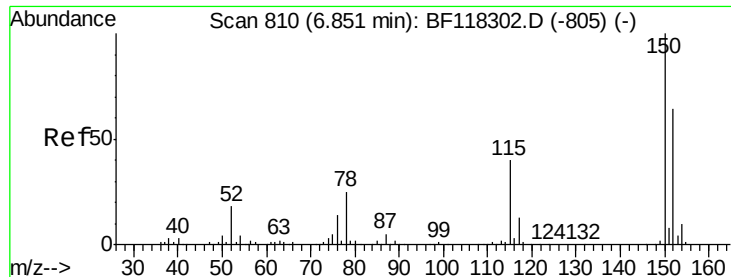
Instrument :
BNA_F
ClientSampled :
GP-2-(1-3)

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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

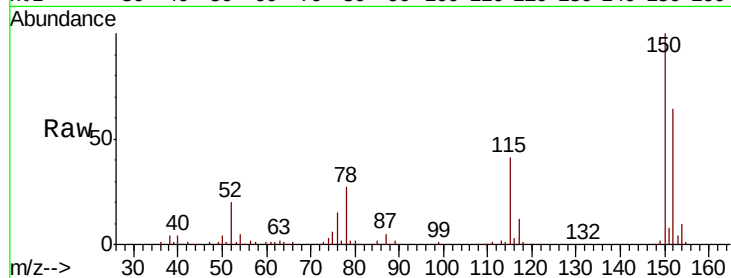
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF118320.D
Acq: 26 Dec 2019 16:59

Instrument :
BNA_F
ClientSampleId :
GP-2-(1-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	125.4	188.2
115	63.1	50.2	75.4

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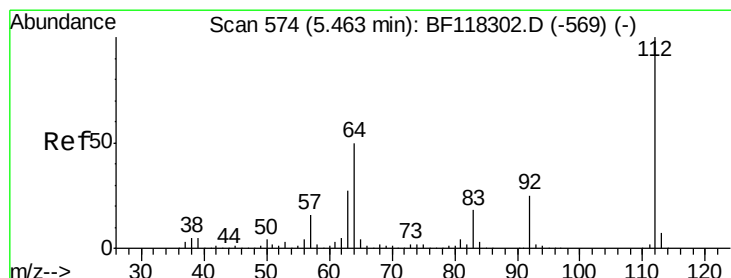
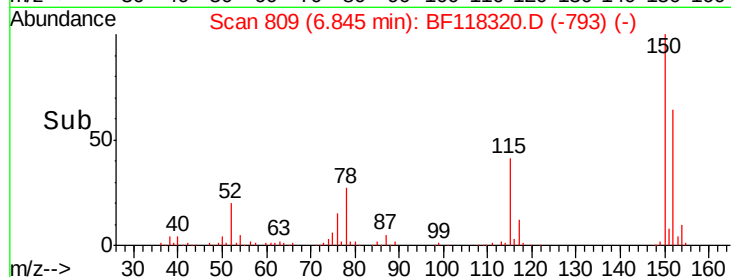
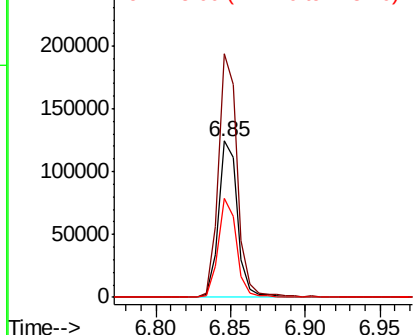


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

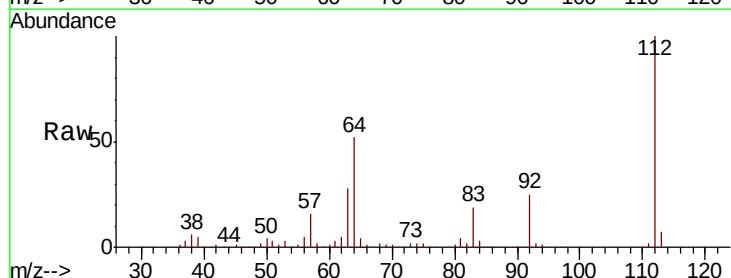
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 97.355 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF118320.D
Acq: 26 Dec 2019 16:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	39.7	59.5
63	27.7	21.7	32.5

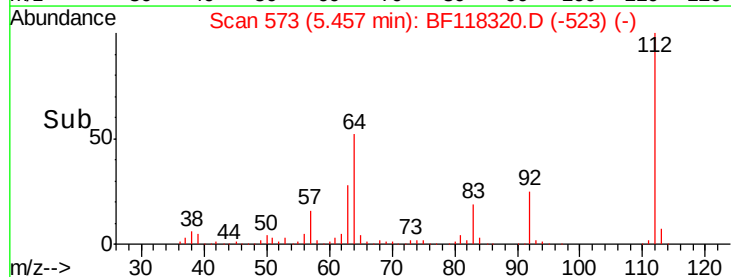
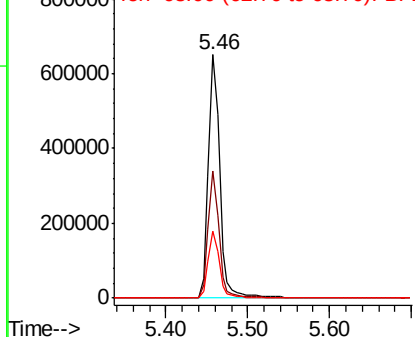


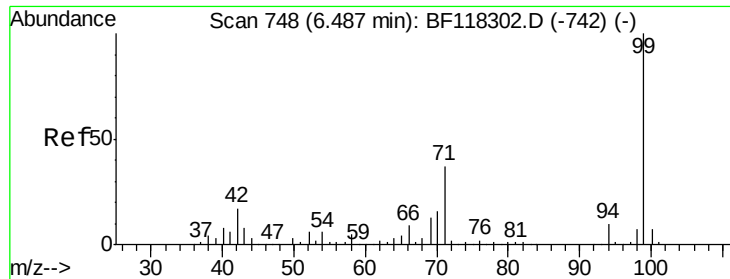
Abundance

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: 98.737 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118320.D

Acq: 26 Dec 2019 16:59

Instrument :

BNA_F

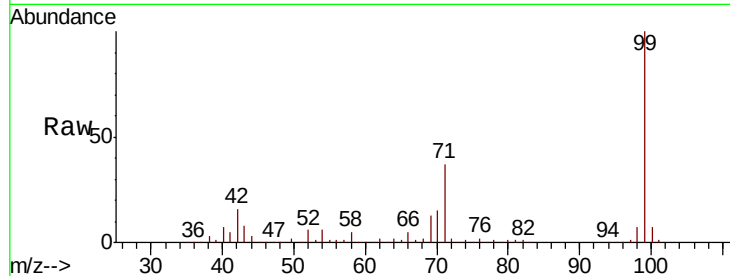
ClientSampled :

GP-2-(1-3)

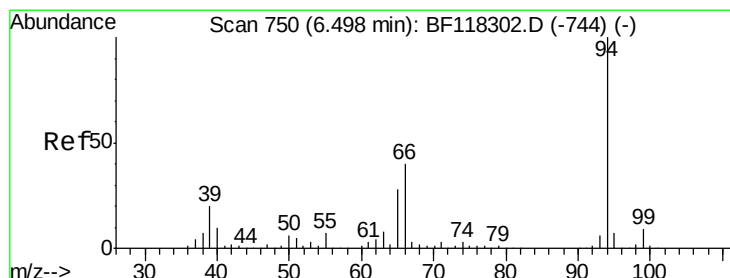
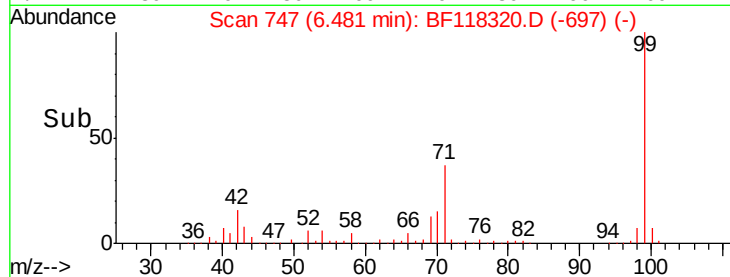
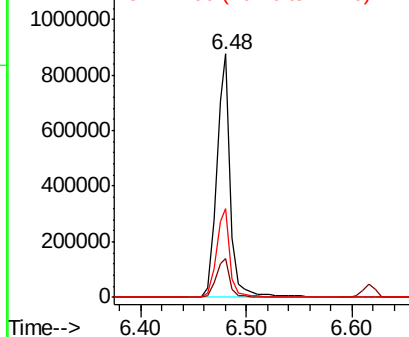
Tot Ion:	99	Resp:	802592
Ion Ratio	Lower	Upper	
99	100		
42	15.8	13.5	20.3
71	36.7	29.4	44.2

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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: 2.652 ng

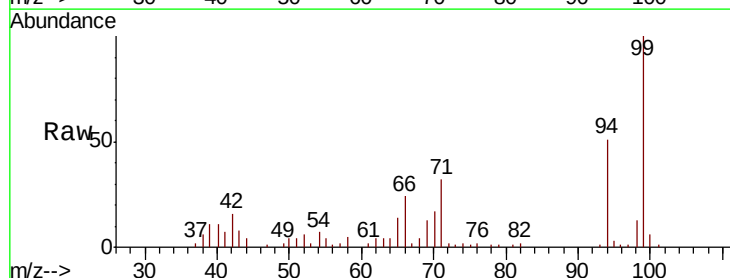
RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

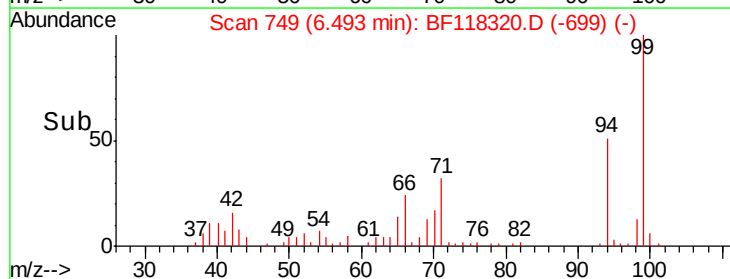
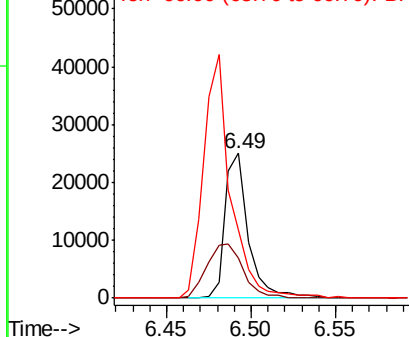
Lab File: BF118320.D

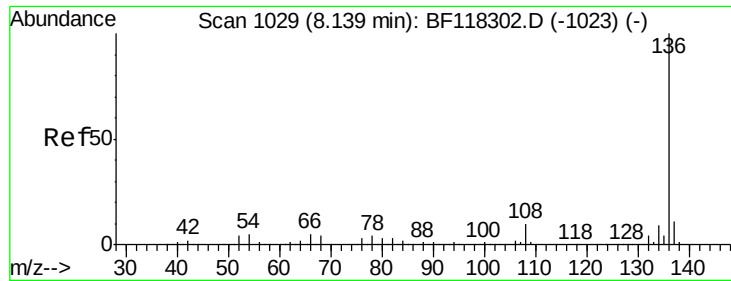
Acq: 26 Dec 2019 16:59

Tgt Ion:	94	Resp:	24233
Ion Ratio	Lower	Upper	
94	100		
65	27.7	7.8	47.8
66	46.8	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





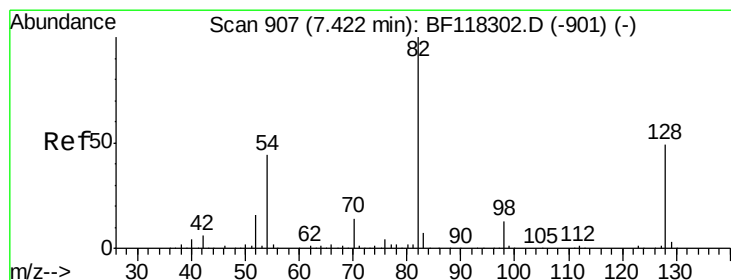
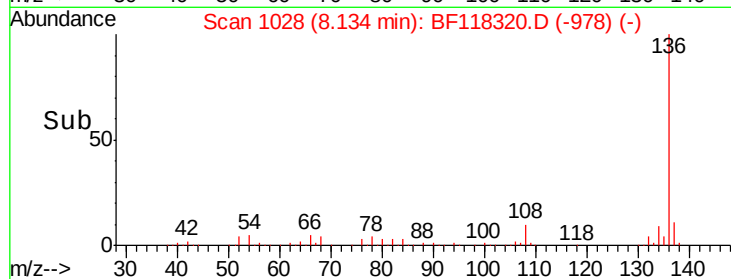
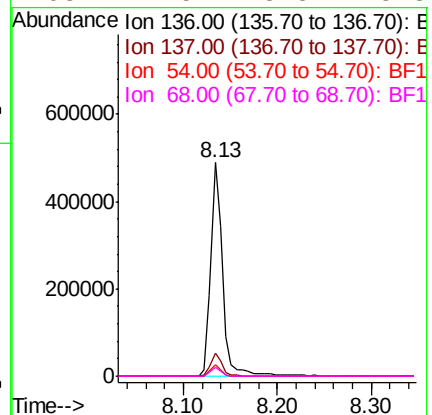
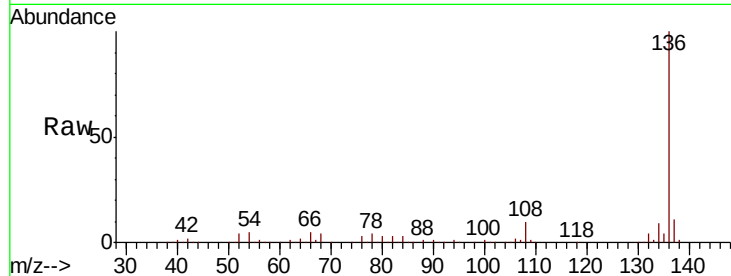
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118320.D
Acq: 26 Dec 2019 16:59

Instrument :
BNA_F
ClientSampleId :
GP-2-(1-3)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	437331		
137	11.0	8.9	13.3	
54	5.5	4.2	6.4	
68	4.5	3.5	5.3	

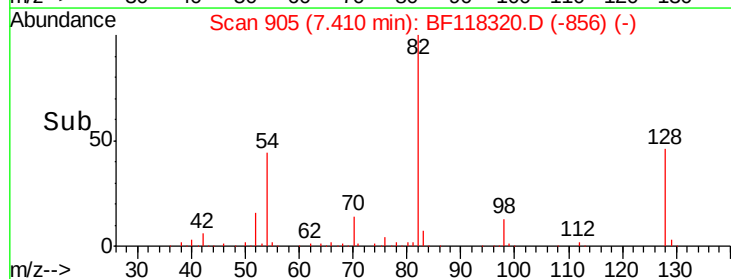
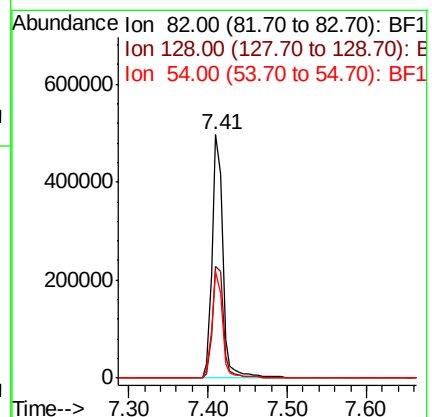
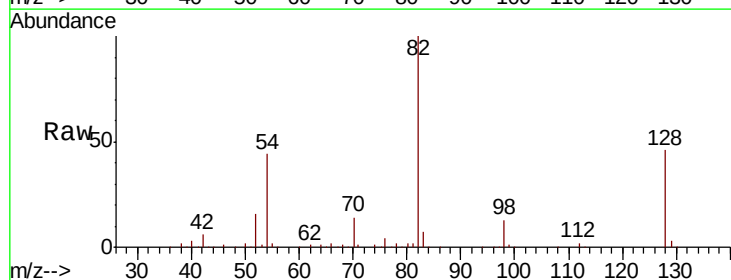
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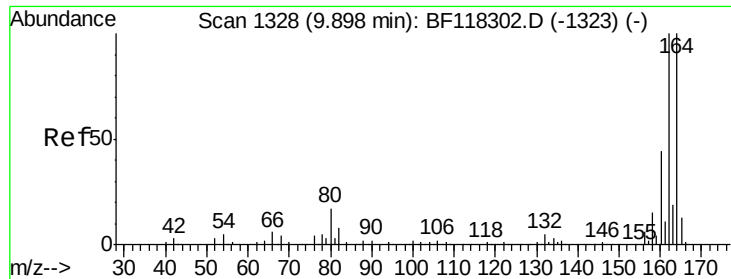
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#23
Nitrobenzene-d5
Concen: 62.479 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF118320.D
Acq: 26 Dec 2019 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	477732		
128	45.8	39.6	59.4	
54	43.9	34.9	52.3	





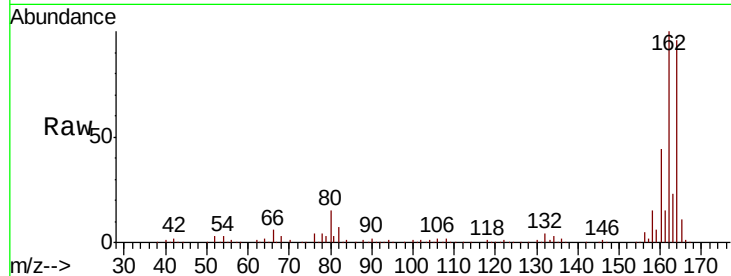
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF118320.D
Acq: 26 Dec 2019 16:59

Instrument :
BNA_F
ClientSampleId :
GP-2-(1-3)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	235547		
162	103.9	80.0	120.0	
160	46.2	34.8	52.2	

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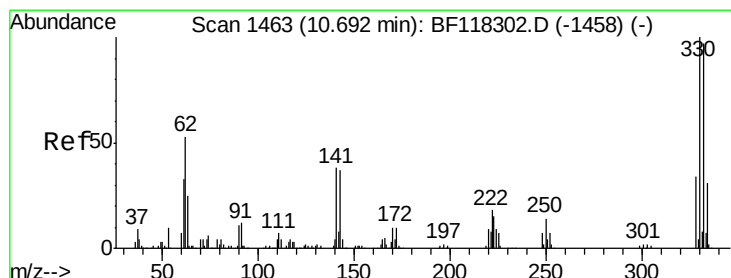
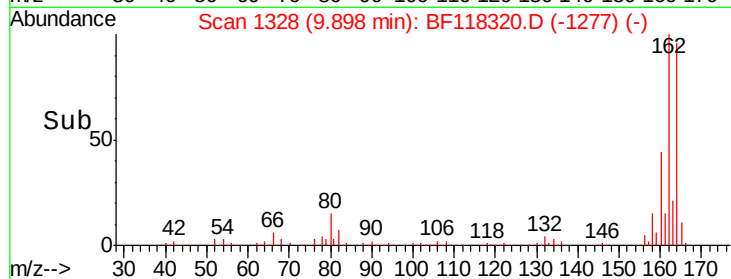
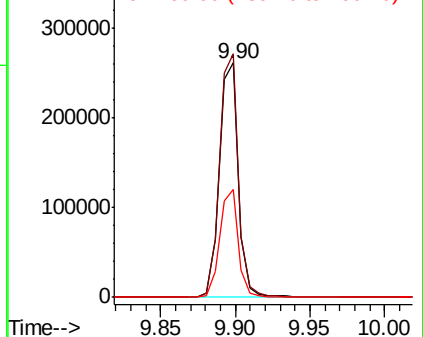


Abundance

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: 94.802 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF118320.D
Acq: 26 Dec 2019 16:59

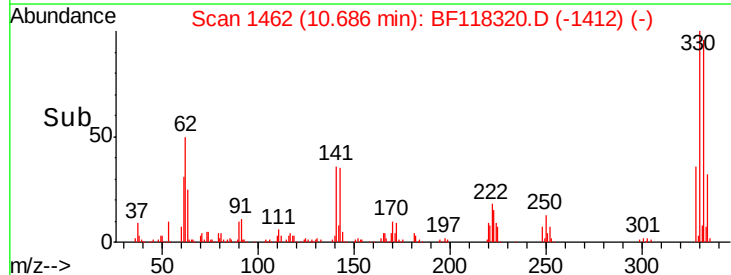
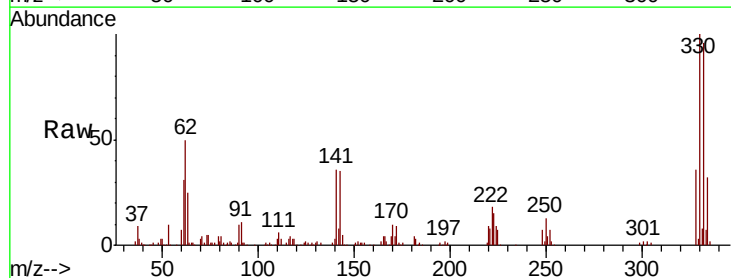
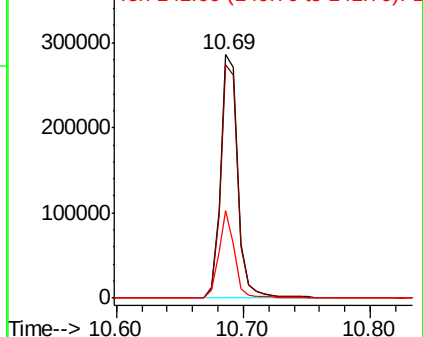
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	275764		
332	96.4	76.6	114.8	
141	32.7	26.0	39.0	

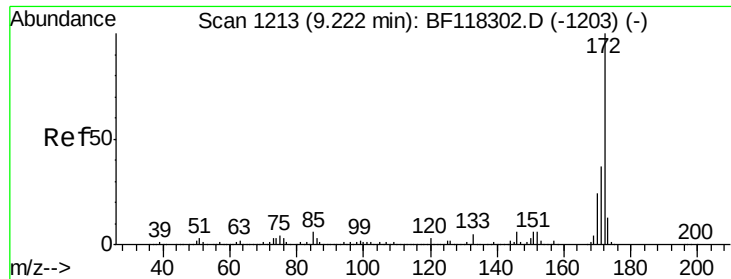
Abundance

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





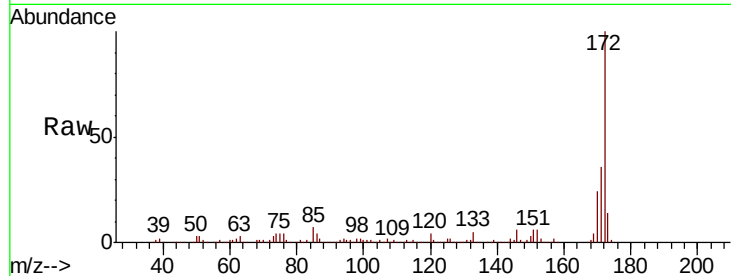
#45
2-Fluorobiphenyl
Concen: 63.934 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF118320.D
Acq: 26 Dec 2019 16:59

Instrument :
BNA_F
ClientSampleId :
GP-2-(1-3)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.3	43.9
170	23.8	19.2	28.8

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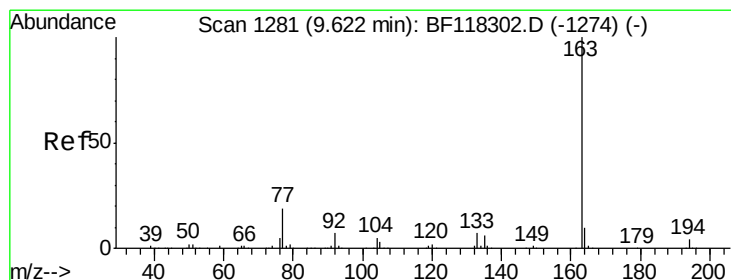
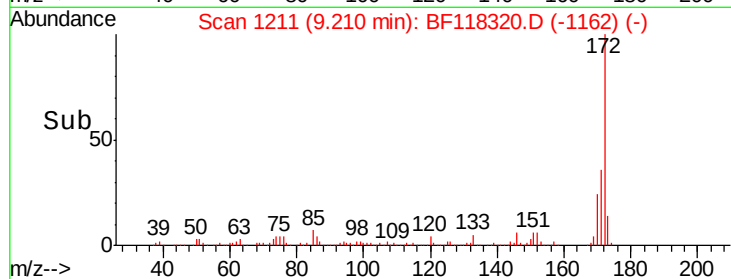
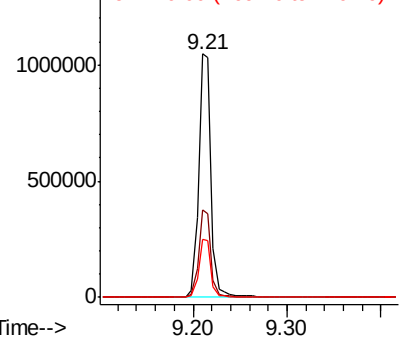


Abundance

Ion 172.00 (171.70 to 172.70): E

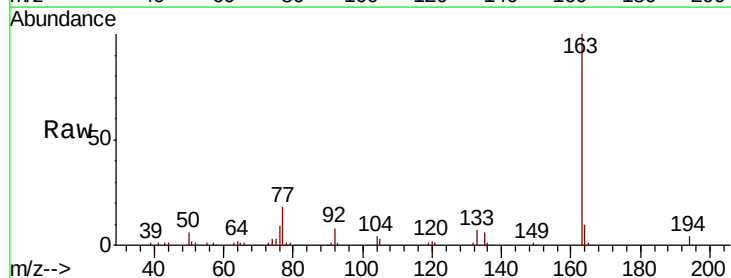
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 2.570 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118320.D
Acq: 26 Dec 2019 16:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	10.2	7.9	11.9

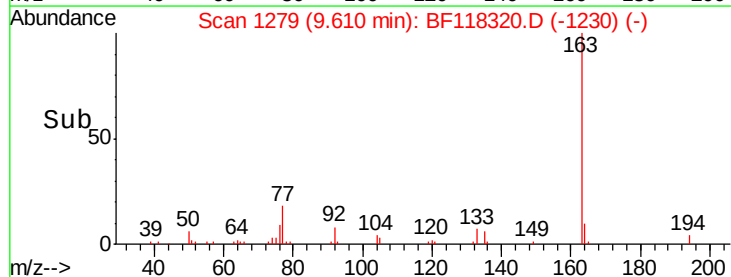
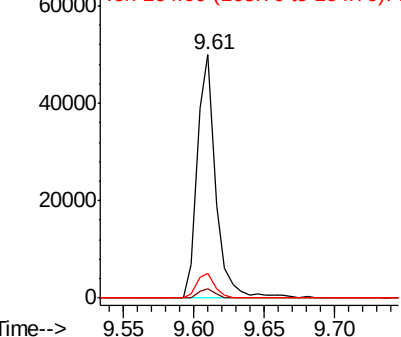


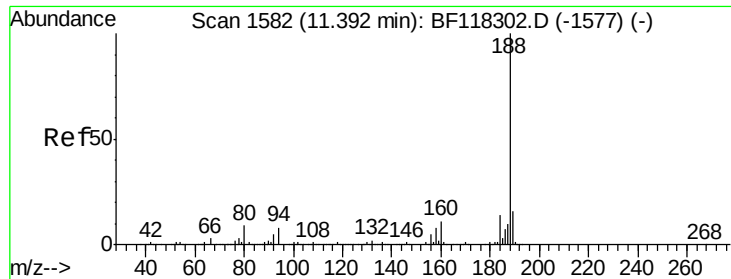
Abundance

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: BF118320.D

Acq: 26 Dec 2019 16:59

Instrument :

BNA_F

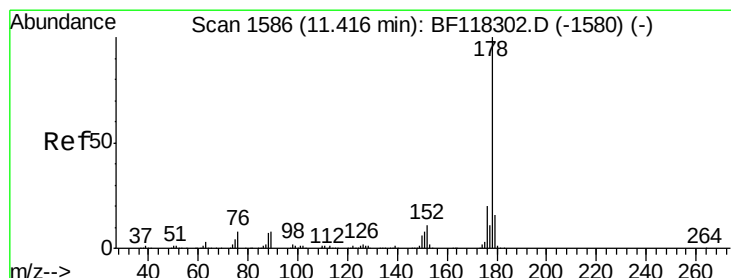
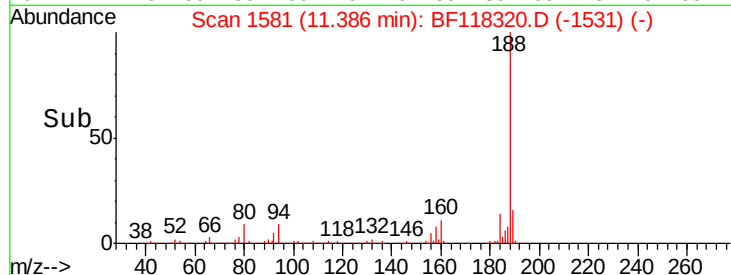
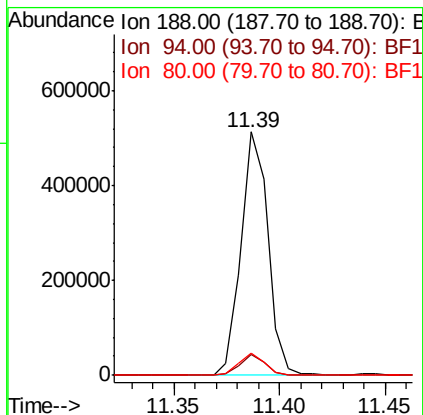
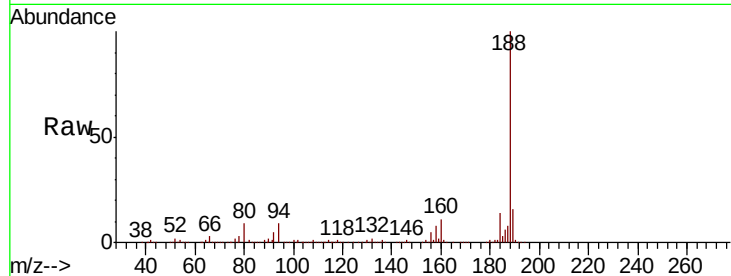
ClientSampleId :

GP-2-(1-3)

Tot Ion:	188	Resp:	454261
Ion Ratio	Lower	Upper	
188	100		
94	8.7	6.7	10.1
80	9.2	7.2	10.8

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#71

Phenanthrene

Concen: 28.916 ng

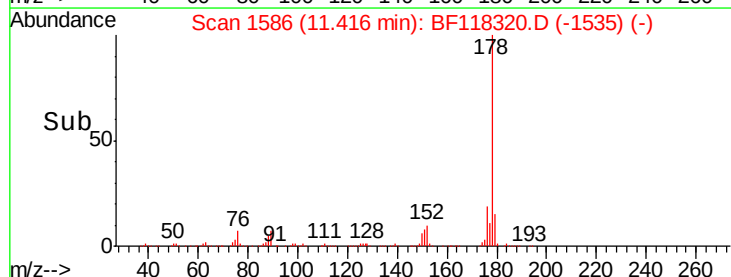
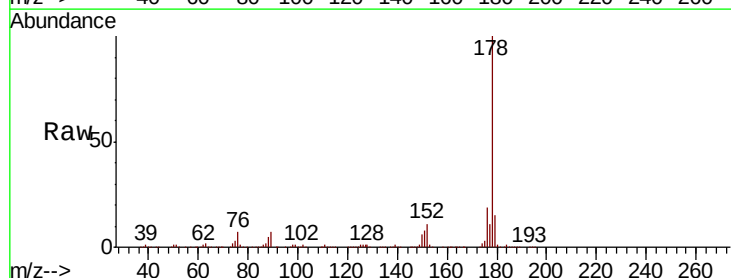
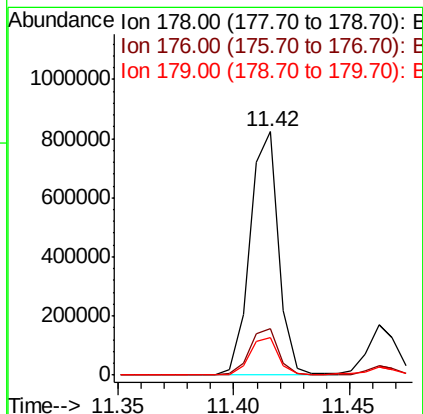
RT: 11.42 min Scan# 1586

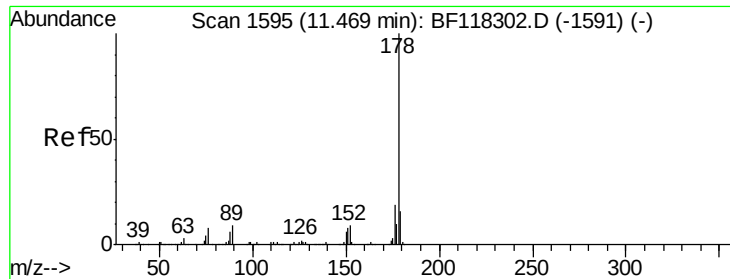
Delta R.T. 0.00 min

Lab File: BF118320.D

Acq: 26 Dec 2019 16:59

Tgt Ion:	178	Resp:	716075
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.6	23.4
179	15.2	12.6	19.0





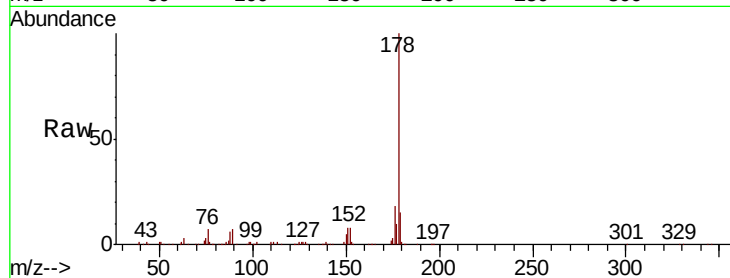
#72
 Anthracene
 Concen: 5.828 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF118320.D
 Acq: 26 Dec 2019 16:59

Instrument :
 BNA_F
 ClientSampleId :
 GP-2-(1-3)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.2	22.8
179	15.1	12.9	19.3

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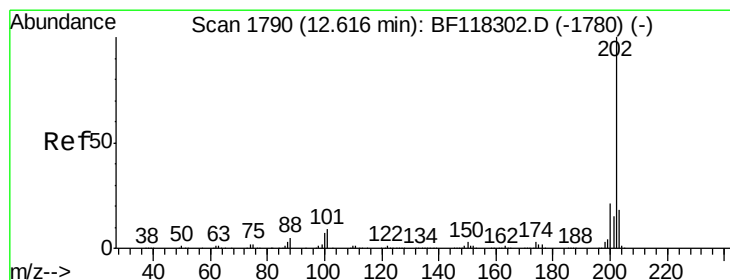
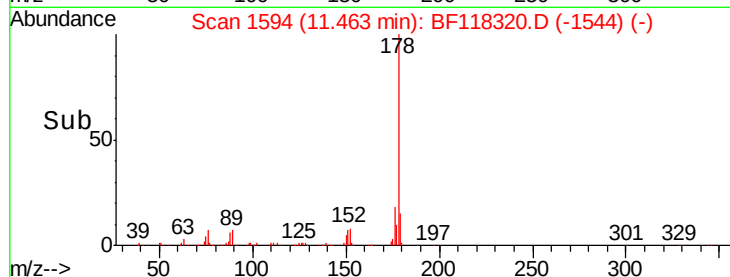
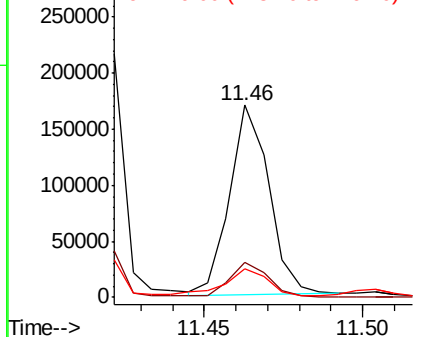


Abundance

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: 44.922 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: BF118320.D
 Acq: 26 Dec 2019 16:59

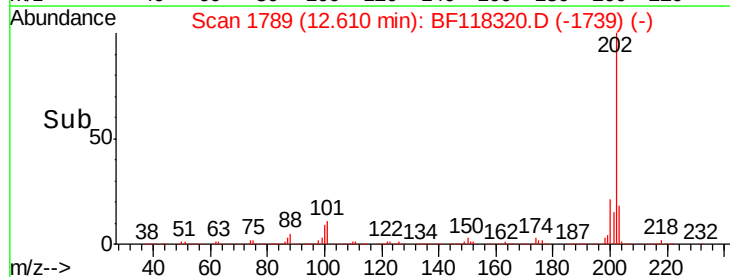
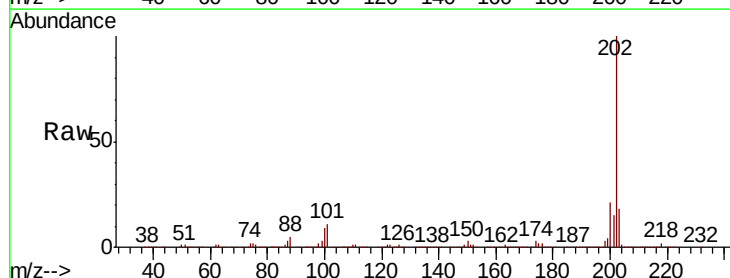
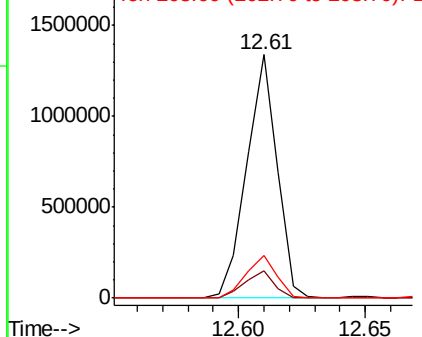
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	29.5
203	17.7	0.0	37.6

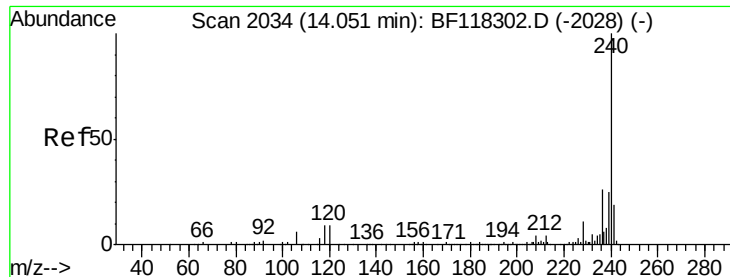
Abundance

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# 2033

Delta R.T. -0.01 min

Lab File: BF118320.D

Acq: 26 Dec 2019 16:59

Instrument :

BNA_F

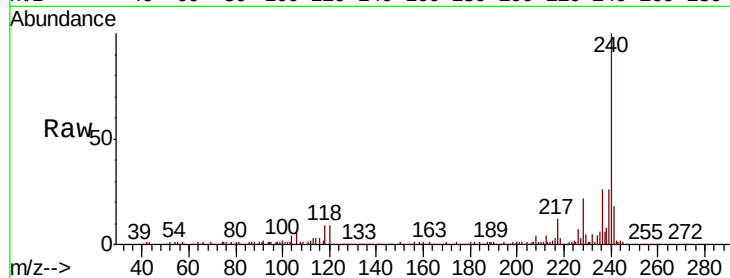
ClientSampleId :

GP-2-(1-3)

Tot Ion:	240	Resp:	292313
Ion Ratio	Lower	Upper	
240	100		
120	9.3	7.1	10.7
236	26.1	21.0	31.6

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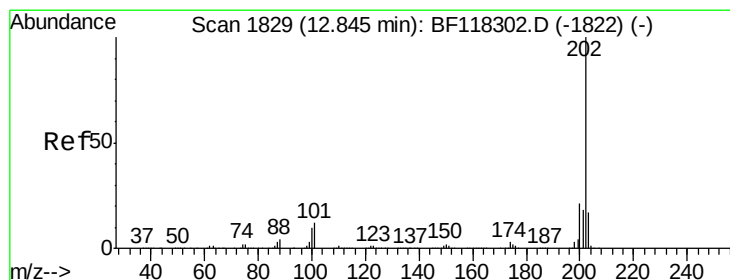
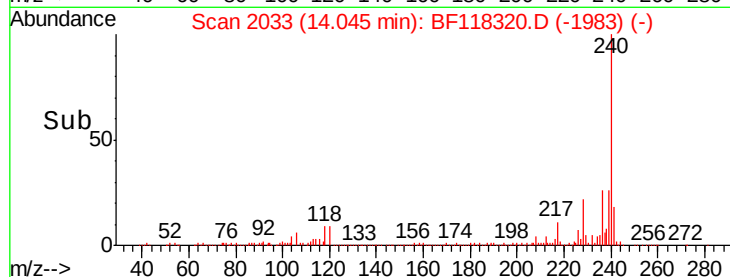
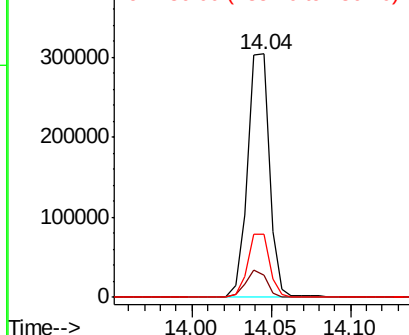


Abundance

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: 49.788 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF118320.D

Acq: 26 Dec 2019 16:59

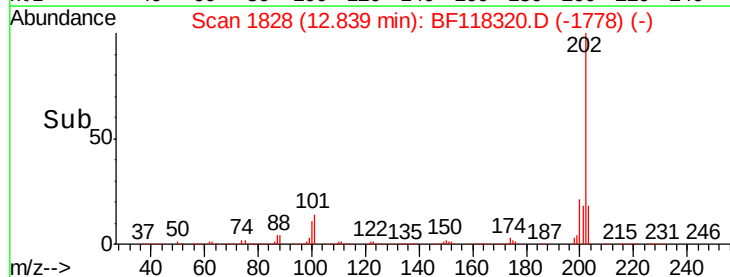
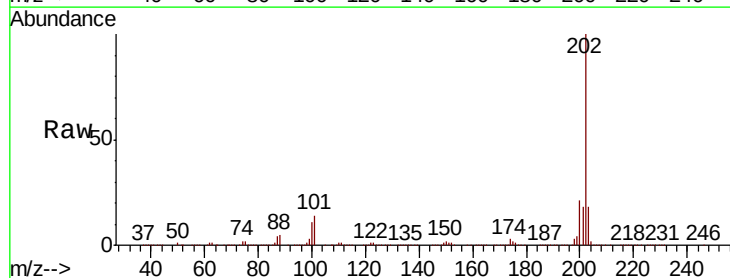
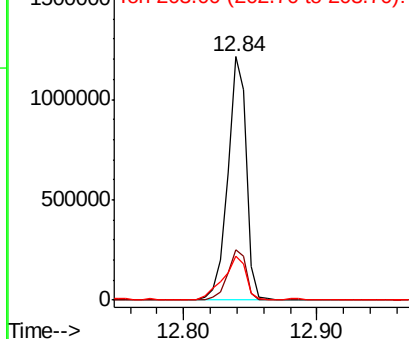
Tgt Ion:	202	Resp:	1188473
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.8	25.2
203	18.0	13.9	20.9

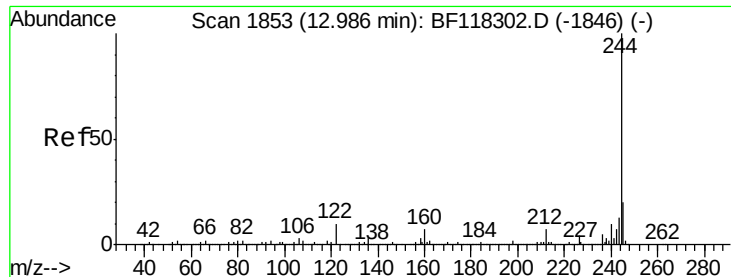
Abundance

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





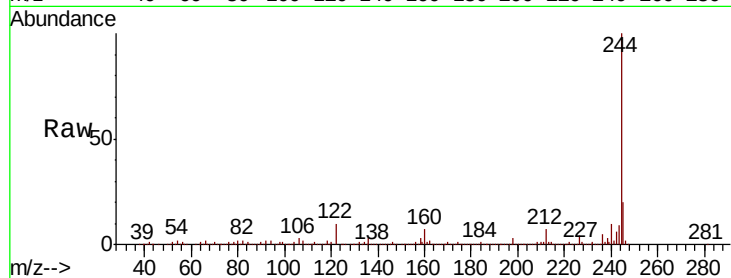
#79
 Terphenyl-d14
 Concen: 67.095 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF118320.D
 Acq: 26 Dec 2019 16:59

Instrument :
 BNA_F
 ClientSampleId :
 GP-2-(1-3)

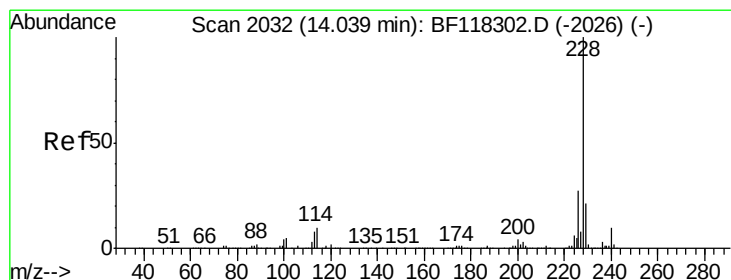
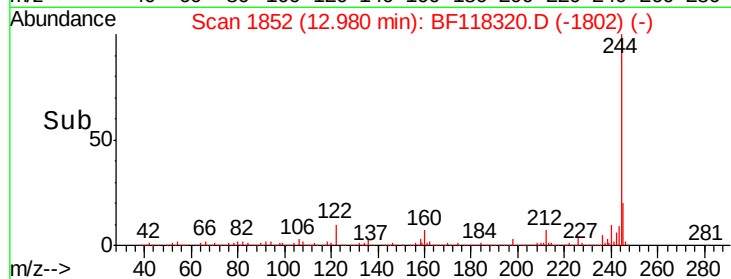
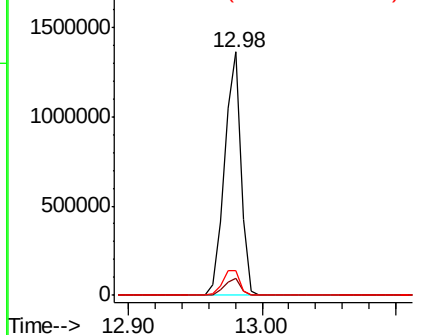
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.0	7.8	11.8

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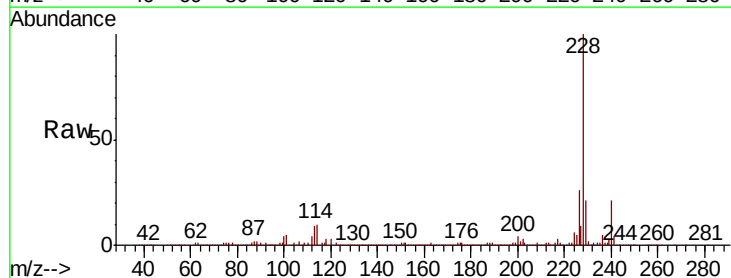


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

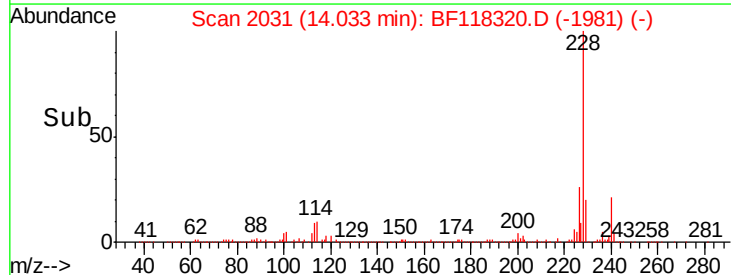
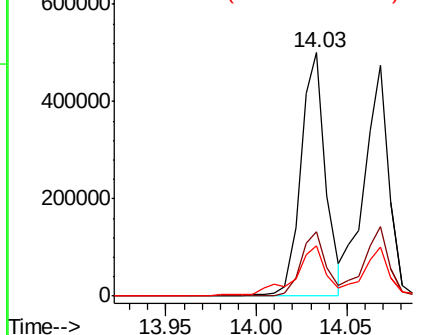


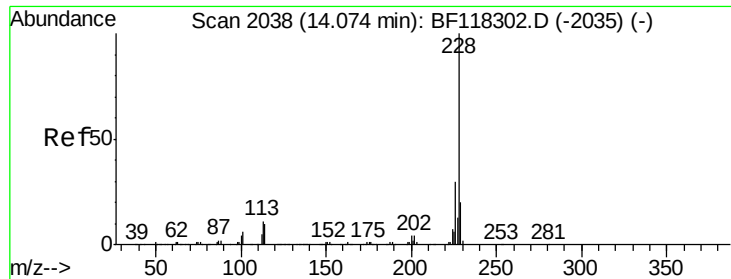
#81
 Benzo(a)anthracene
 Concen: 23.492 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF118320.D
 Acq: 26 Dec 2019 16:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.0	33.0
229	20.6	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





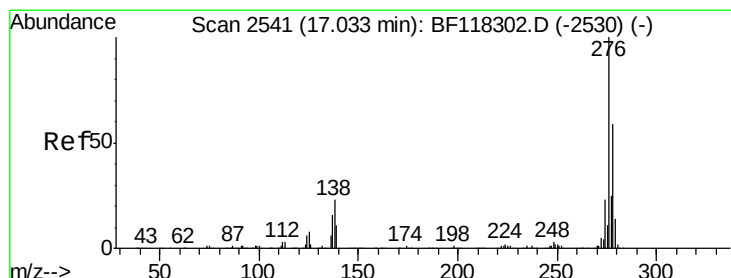
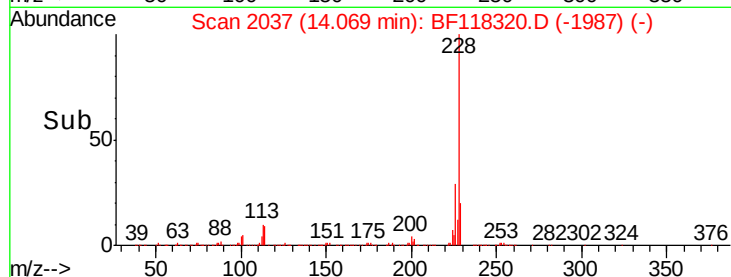
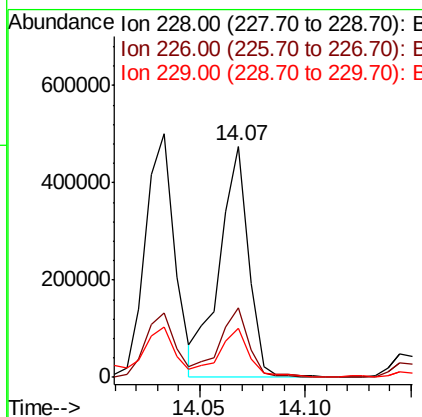
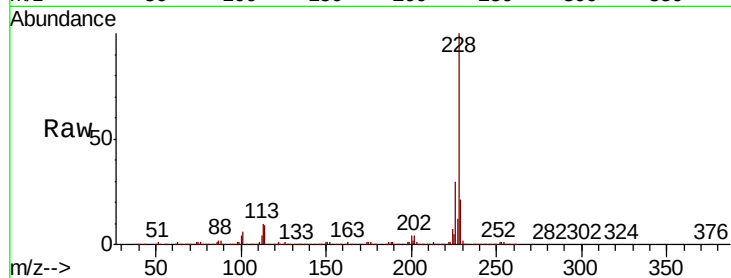
#83
Chrysene
Concen: 23.110 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118320.D
Acq: 26 Dec 2019 16:59

Instrument :
BNA_F
ClientSampleId :
GP-2-(1-3)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.9	35.9
229	21.1	16.1	24.1

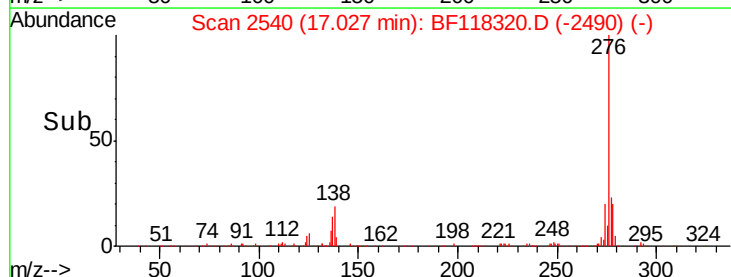
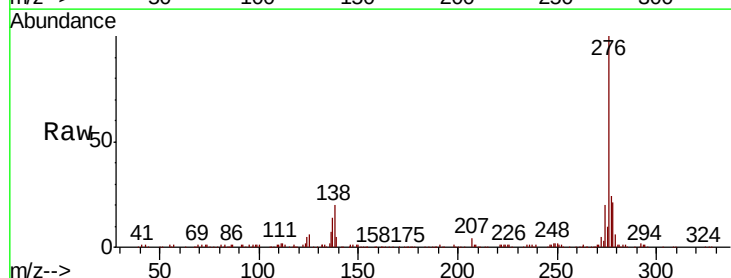
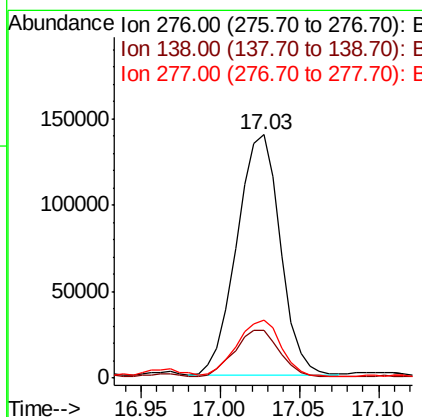
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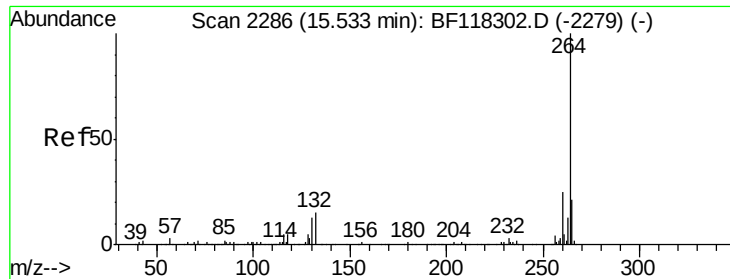
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#86
Indeno(1,2,3-cd)pyrene
Concen: 15.904 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF118320.D
Acq: 26 Dec 2019 16:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	19.5	29.3
277	23.8	20.6	30.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. -0.01 min

Lab File: BF118320.D

Acq: 26 Dec 2019 16:59

Instrument :

BNA_F

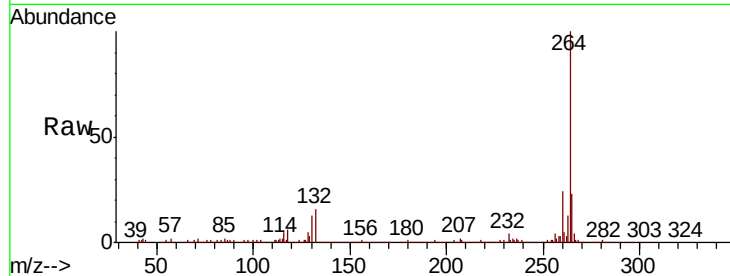
ClientSampleId :

GP-2-(1-3)

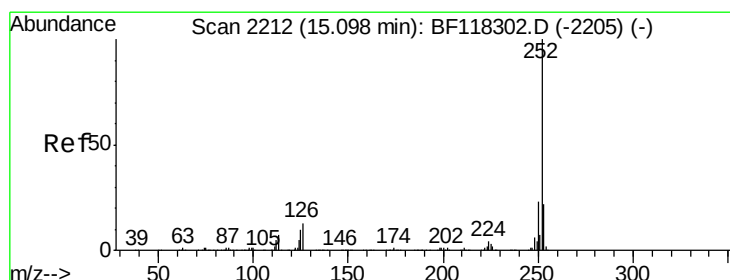
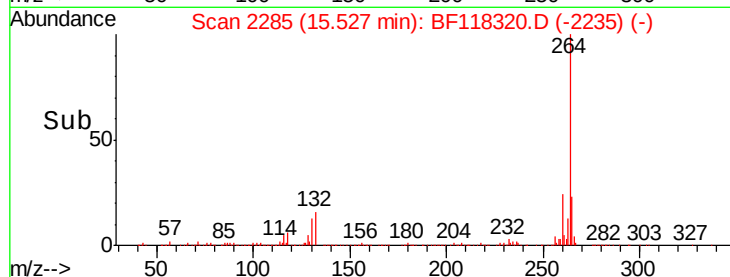
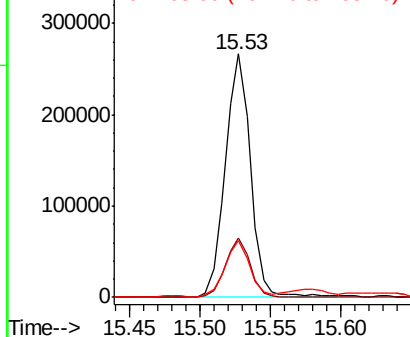
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.6
265	23.3	17.0	25.4

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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: 25.188 ng m

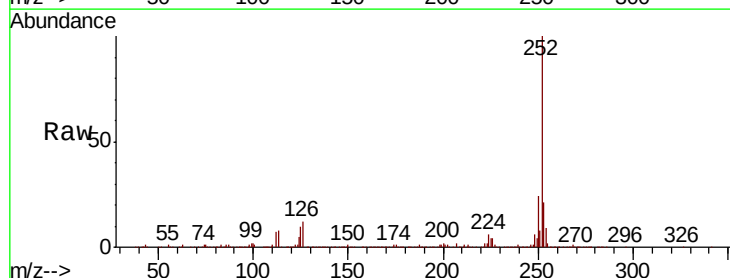
RT: 15.09 min Scan# 2211

Delta R.T. -0.01 min

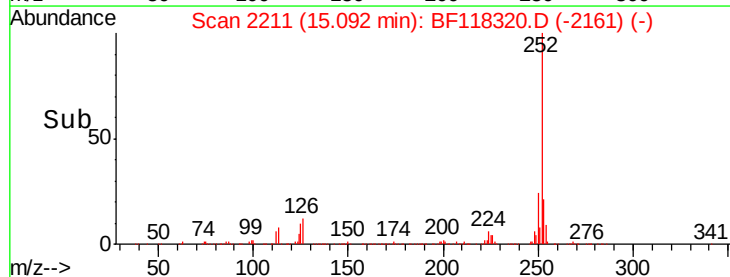
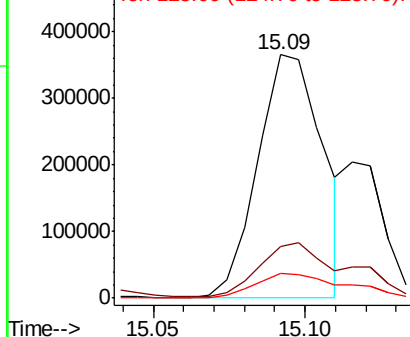
Lab File: BF118320.D

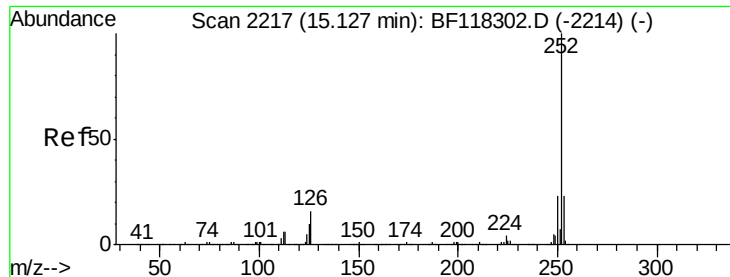
Acq: 26 Dec 2019 16:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	10.2	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





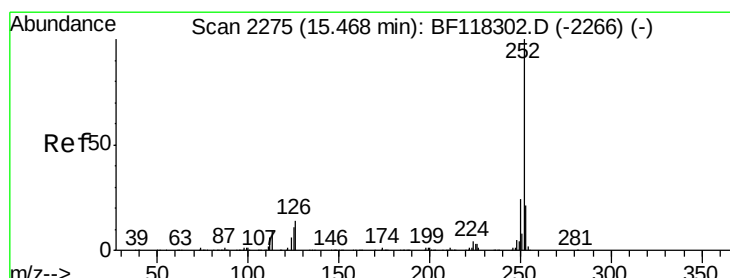
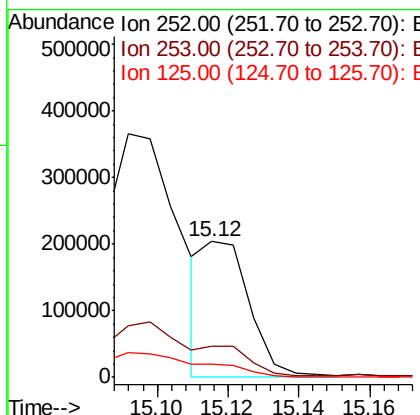
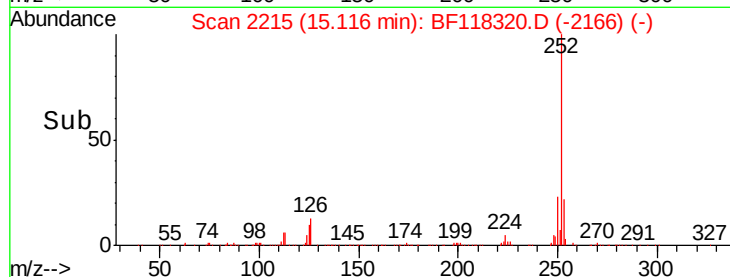
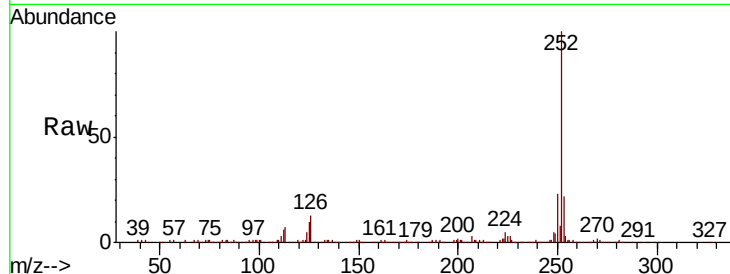
#89
Benzo(k)fluoranthene
Concen: 8.913 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF118320.D
Acq: 26 Dec 2019 16:59

Instrument :
BNA_F
ClientSampleId :
GP-2-(1-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	10.0	8.0	12.0

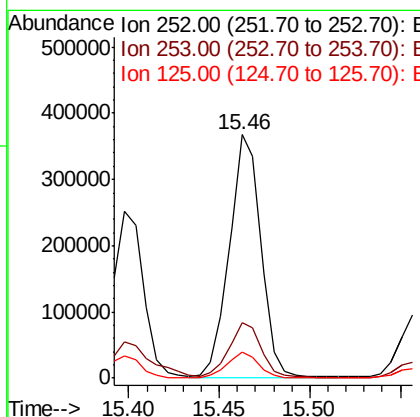
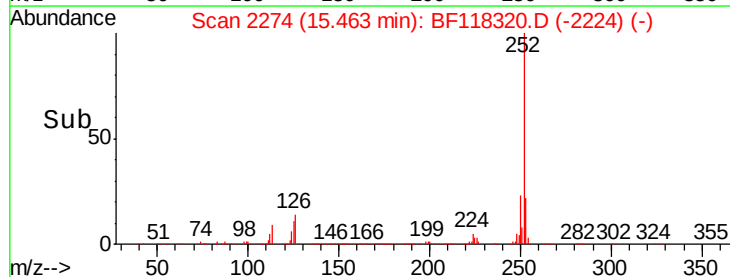
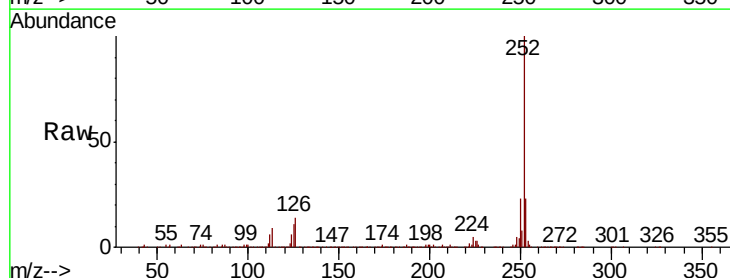
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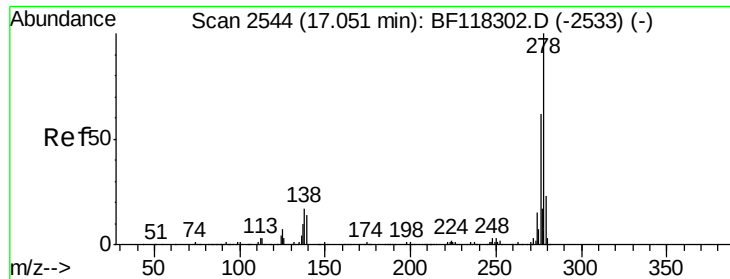
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#90
Benzo(a)pyrene
Concen: 23.271 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF118320.D
Acq: 26 Dec 2019 16:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	10.8	9.0	13.4





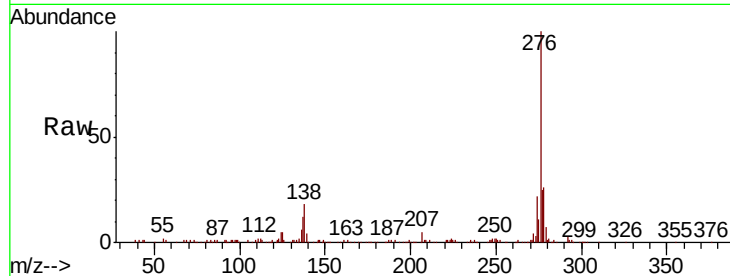
#91
Dibenzo(a,h)anthracene
Concen: 4.152 ng m
RT: 17.03 min Scan# 2541
Delta R.T. -0.02 min
Lab File: BF118320.D
Acq: 26 Dec 2019 16:59

Instrument :
BNA_F
ClientSampleId :
GP-2-(1-3)

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.4	11.5	17.3#
279	25.7	18.3	27.5

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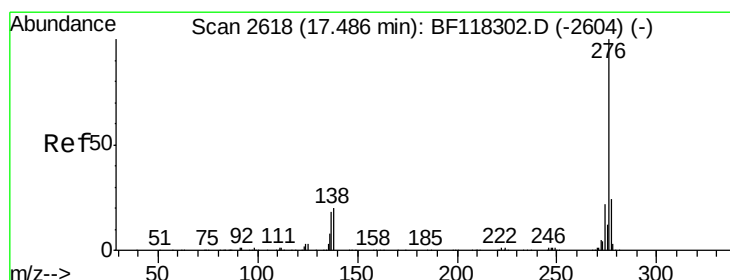
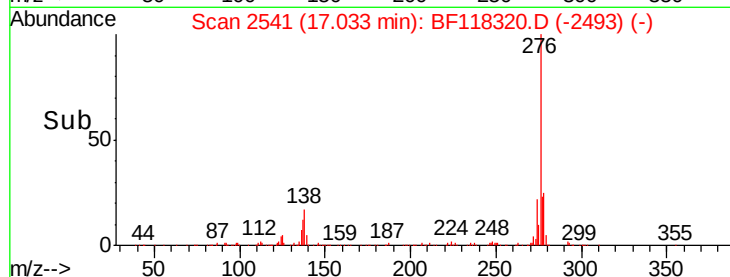
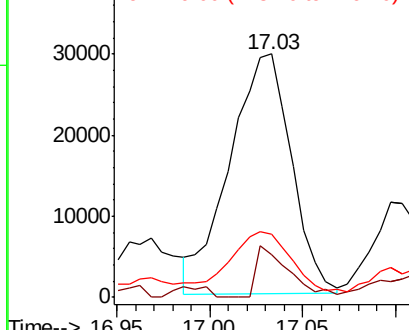


Abundance

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: 16.102 ng
RT: 17.47 min Scan# 2616
Delta R.T. -0.01 min
Lab File: BF118320.D
Acq: 26 Dec 2019 16:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.1	28.7
138	19.8	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

