

Data File : BF118472.D
Acq On : 3 Jan 2020 22:26
Operator : JU
Sample : K6471-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MC-123019-2-5-COMP-B8

Quant Time: Jan 04 00:07:53 2020
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	70090	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	255377	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	117230	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	234967	20.00	ng	0.00
76) Chrysene-d12	14.04	240	172018	20.00	ng	0.00
87) Perylene-d12	15.53	264	197314	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	314294	76.54	ng	0.00
7) Phenol-d6	6.49	99	390645	76.69	ng	0.00
23) Nitrobenzene-d5	7.41	82	243835	54.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	111382	76.94	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	427607	55.68	ng	-0.01
79) Terphenyl-d14	12.97	244	450425	43.44	ng	-0.01

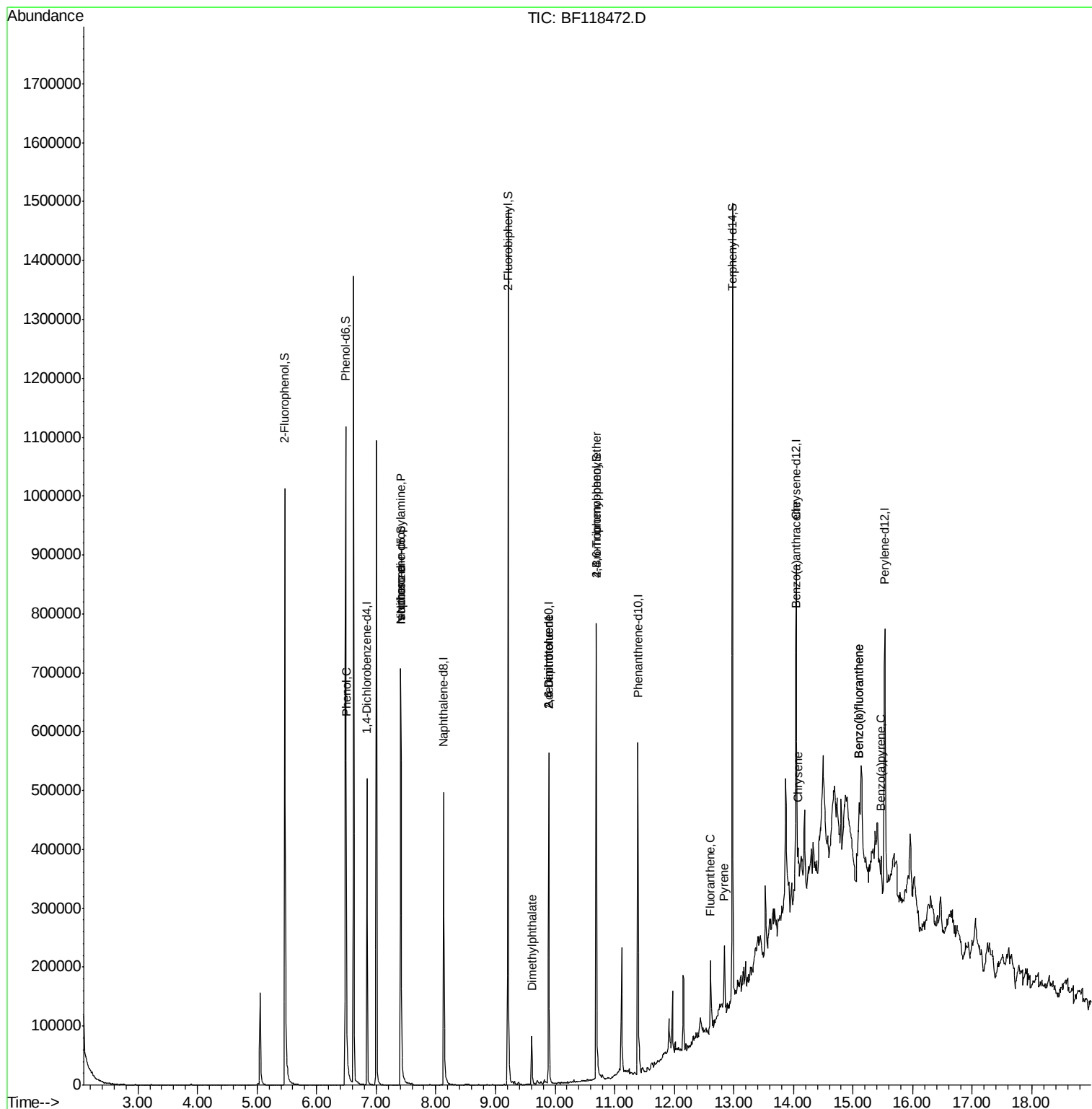
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	13184	2.303	ng	# 76
19) n-Nitroso-di-n-propylamine	7.41	70	34781	11.084	ng	# 79
25) Isophorone	7.41	82	243831	31.334	ng	# 62
50) Dimethylphthalate	9.61	163	37862	4.303	ng	100
51) 2,6-Dinitrotoluene	9.89	165	15109	7.964	ng	# 24
57) 2,4-Dinitrotoluene	9.89	165	15109	5.960	ng	# 28
67) 4-Bromophenyl-phenylether	10.69	248	6790	2.469	ng	# 1
75) Fluoranthene	12.61	202	42656	3.300	ng	95
78) Pyrene	12.84	202	42680	3.038	ng	98
81) Benzo(a)anthracene	14.03	228	27190	2.258	ng	98
83) Chrysene	14.07	228	25494	2.211	ng	94
88) Benzo(b)fluoranthene	15.10	252	42888	3.274	ng	# 76
89) Benzo(k)fluoranthene	15.10	252	42888	3.410	ng	# 77
90) Benzo(a)pyrene	15.47	252	23326	2.022	ng	# 70

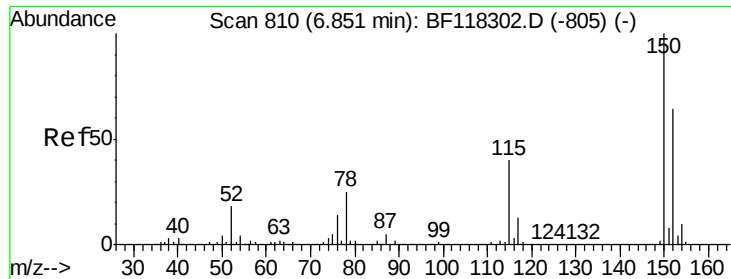
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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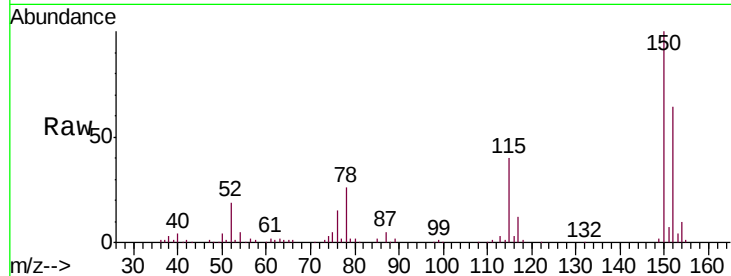




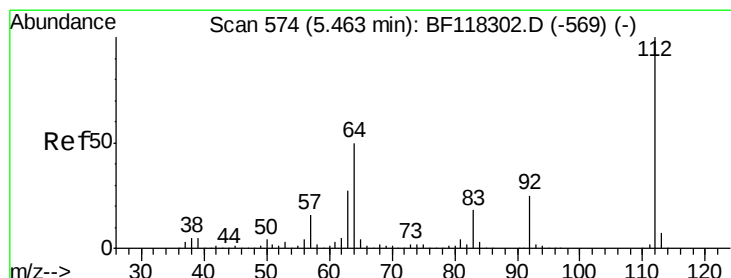
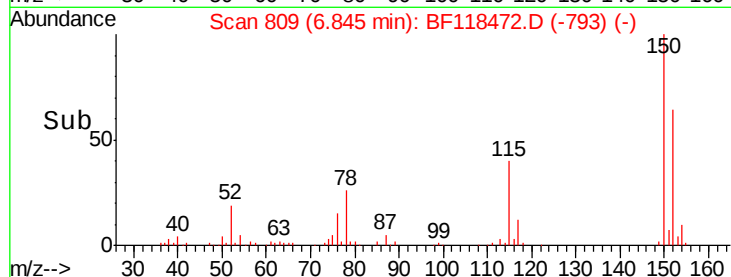
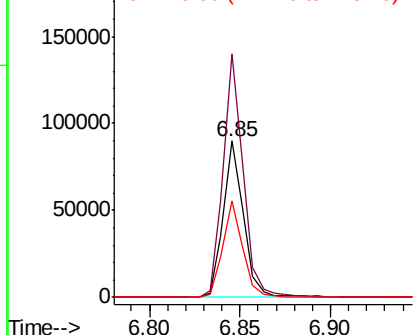
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF118472.D
 Acq: 3 Jan 2020 22:26

Instrument :
 BNA_F
 ClientSampleId :
 MC-123019-2-5-COMP-B8

Tgt Ion:152 Resp: 70090
 Ion Ratio Lower Upper
 152 100
 150 155.6 125.4 188.2
 115 61.6 50.2 75.4

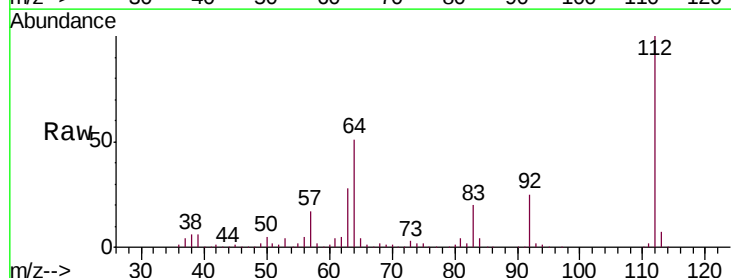


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

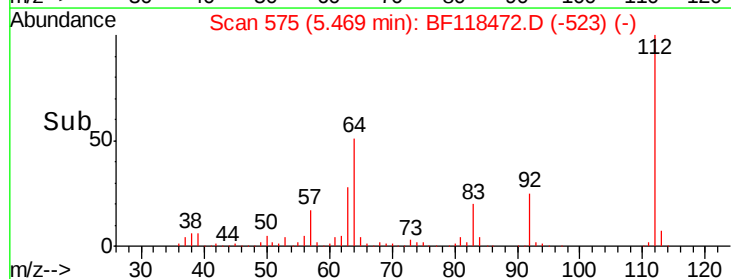
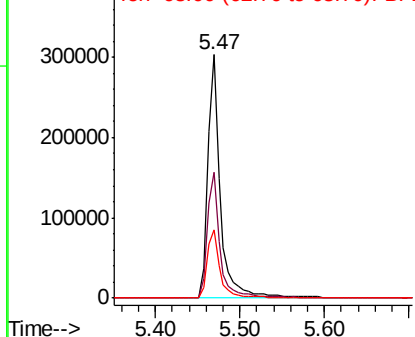


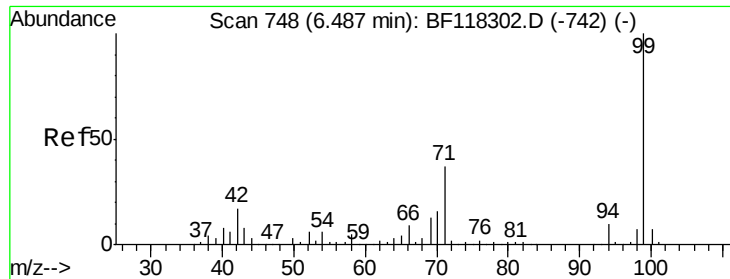
#5
 2-Fluorophenol
 Concen: 76.544 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF118472.D
 Acq: 3 Jan 2020 22:26

Tgt Ion:112 Resp: 314294
 Ion Ratio Lower Upper
 112 100
 64 51.5 39.7 59.5
 63 27.8 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: 76.692 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118472.D

Acq: 3 Jan 2020 22:26

Instrument :

BNA_F

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MC-123019-2-5-COMP-B8

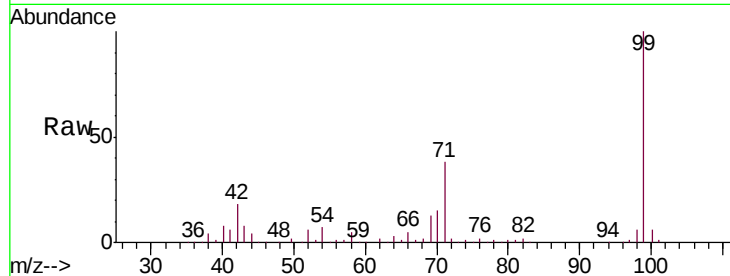
Tgt Ion: 99 Resp: 390645

Ion Ratio Lower Upper

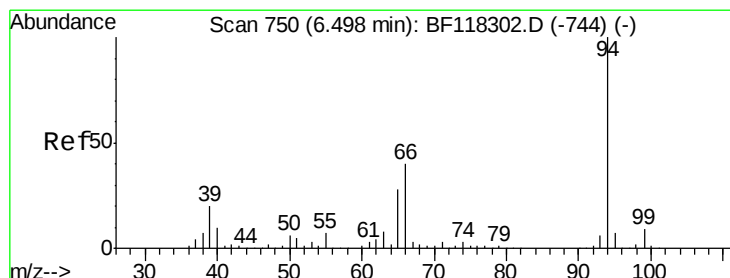
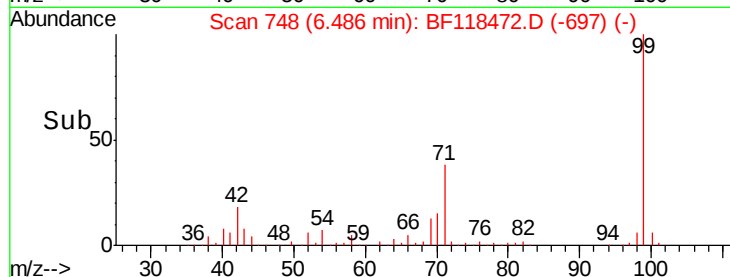
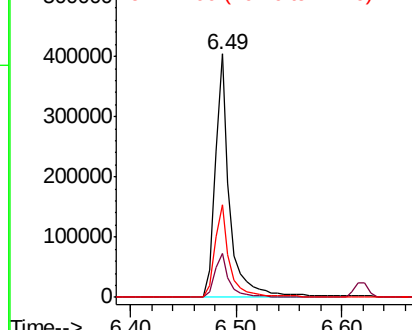
99 100

42 17.8 13.5 20.3

71 38.2 29.4 44.2



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: 2.303 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118472.D

Acq: 3 Jan 2020 22:26

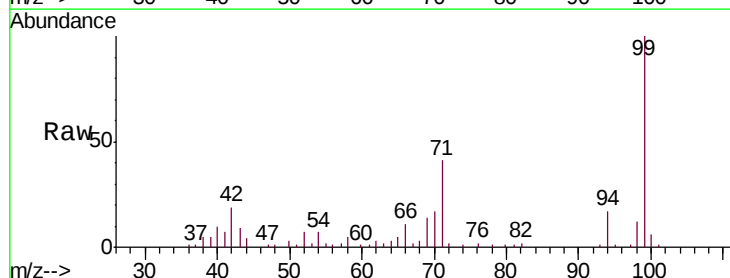
Tgt Ion: 94 Resp: 13184

Ion Ratio Lower Upper

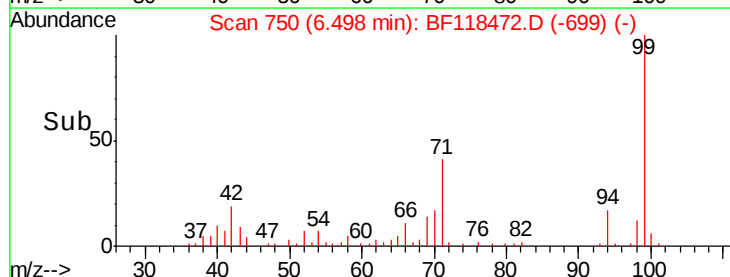
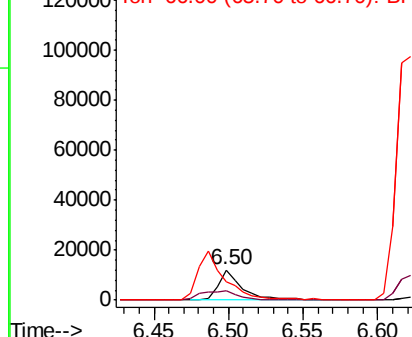
94 100

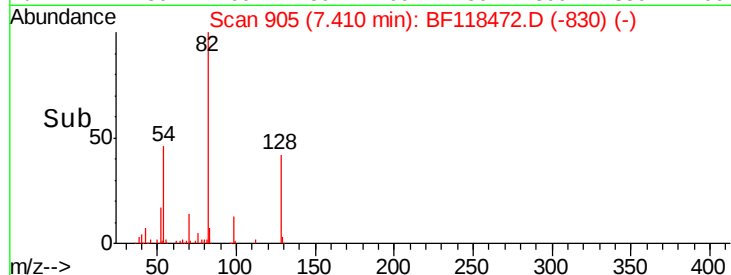
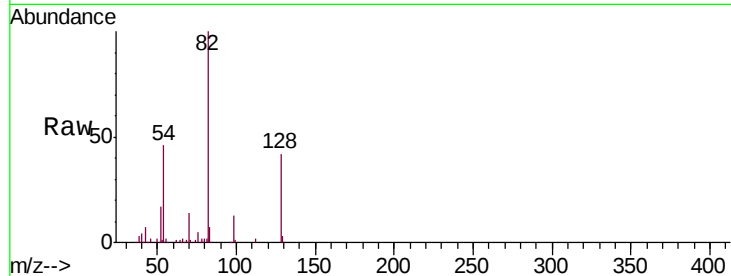
65 30.9 7.8 47.8

66 62.9 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

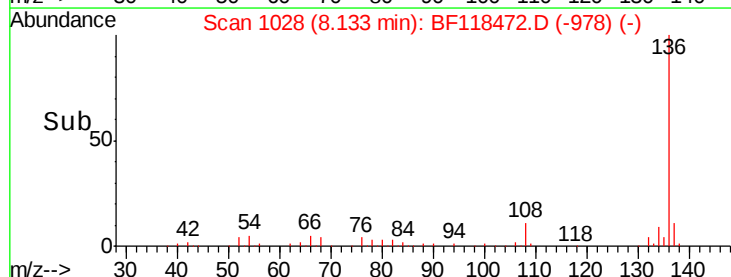
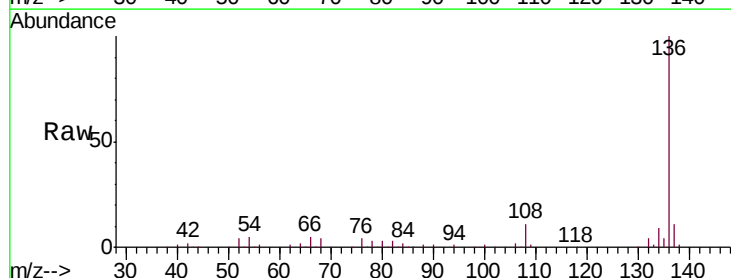
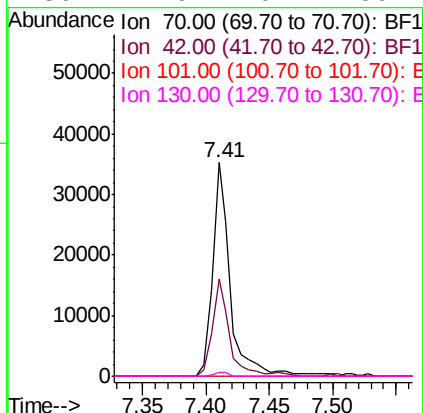




#19
n-Nitroso-di-n-propylamine
Concen: 11.084 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF118472.D
Acq: 3 Jan 2020 22:26

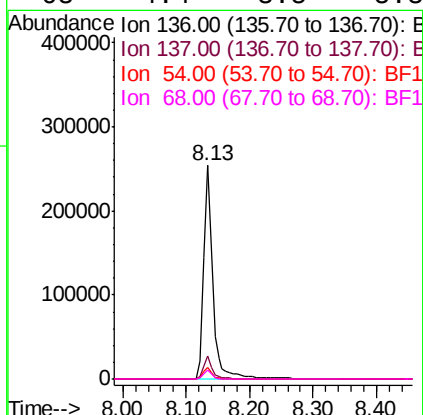
Instrument :
BNA_F
ClientSampleId :
MC-123019-2-5-COMP-B8

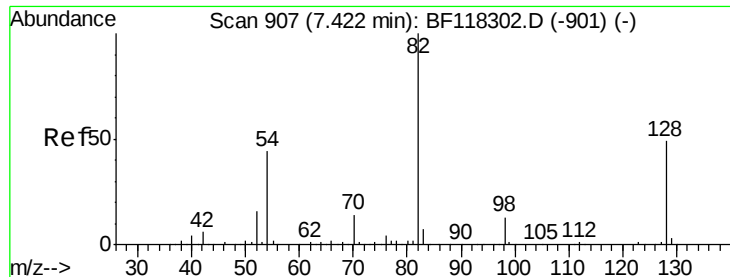
Tgt Ion: 70 Resp: 34781
Ion Ratio Lower Upper
70 100
42 45.8 41.1 61.7
101 0.0 8.3 12.5#
130 1.9 20.1 30.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118472.D
Acq: 3 Jan 2020 22:26

Tgt Ion: 136 Resp: 255377
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 5.2 4.2 6.4
68 4.4 3.5 5.3

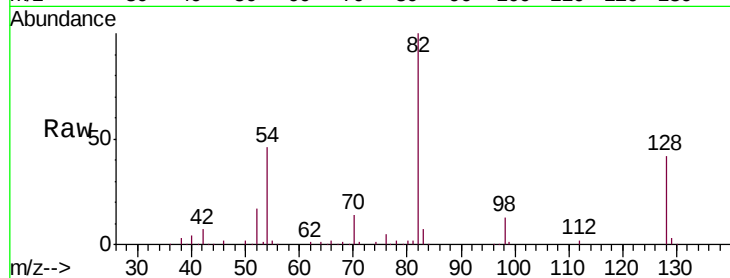




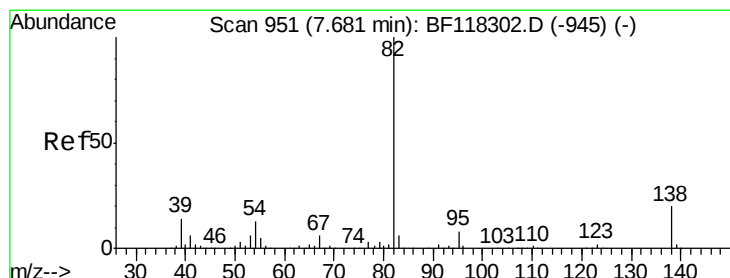
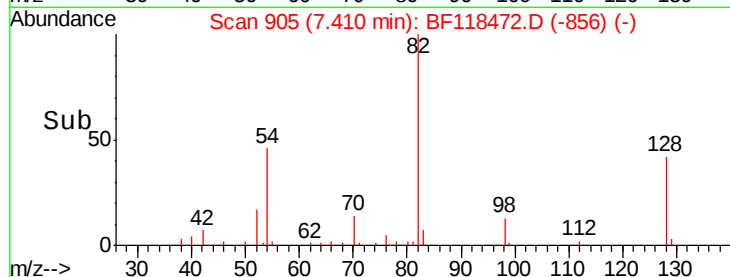
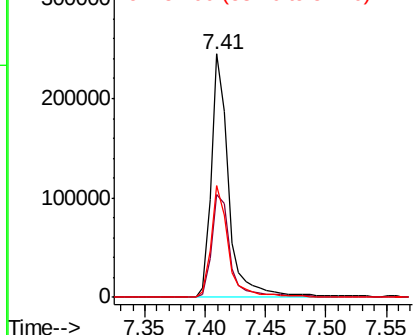
#23
Nitrobenzene-d5
Concen: 54.610 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF118472.D
Acq: 3 Jan 2020 22:26

Instrument :
BNA_F
ClientSampleId :
MC-123019-2-5-COMP-B8

Tgt Ion: 82 Resp: 243835
Ion Ratio Lower Upper
82 100
128 42.5 39.6 59.4
54 45.7 34.9 52.3

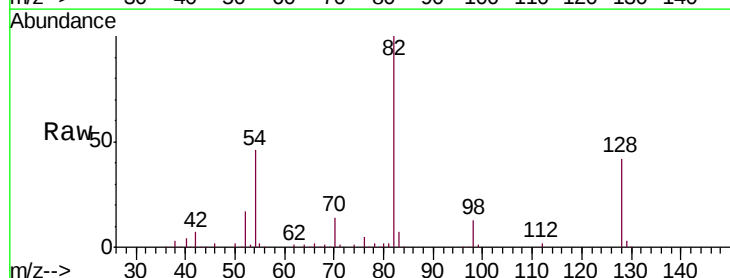


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

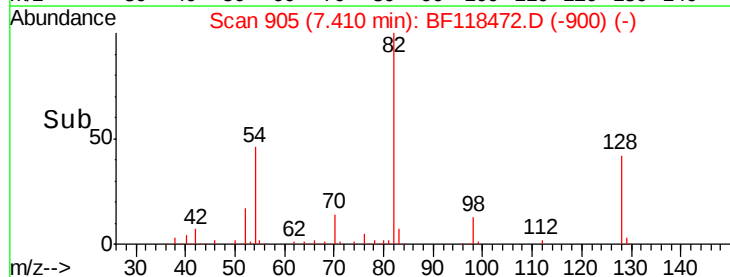
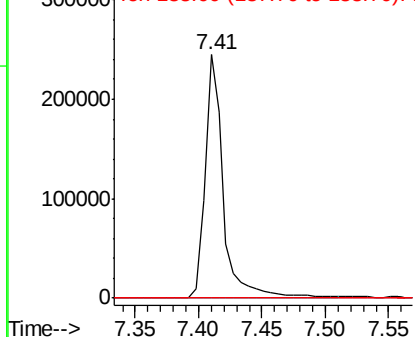


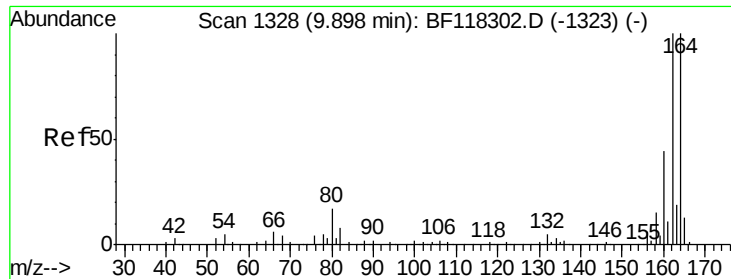
#25
Isophorone
Concen: 31.334 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.27 min
Lab File: BF118472.D
Acq: 3 Jan 2020 22:26

Tgt Ion: 82 Resp: 243831
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 16.2 24.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

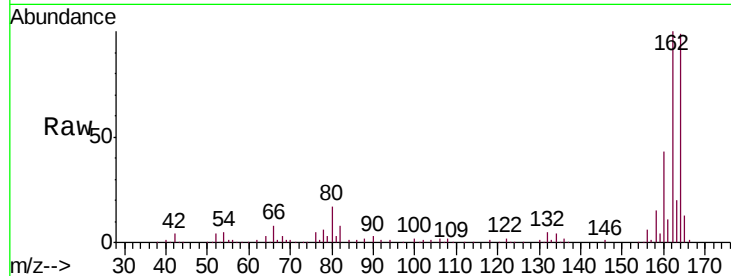




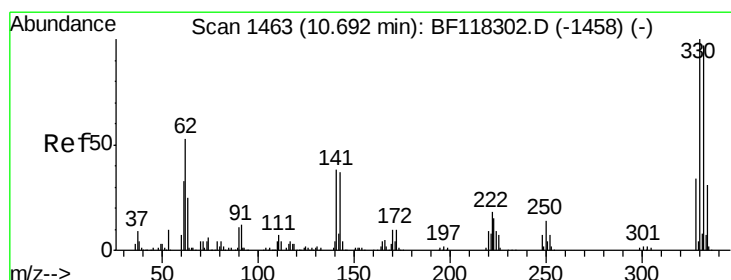
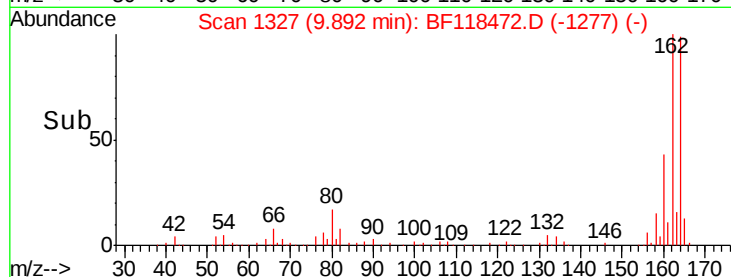
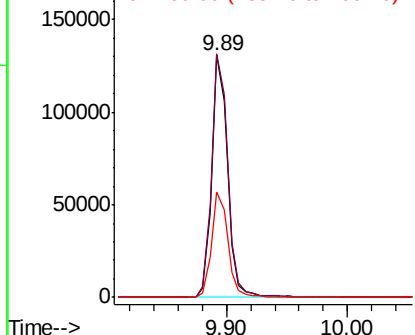
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF118472.D
Acq: 3 Jan 2020 22:26

Instrument :
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ClientSampleId :
MC-123019-2-5-COMP-B8

Tgt Ion:164 Resp: 117230
Ion Ratio Lower Upper
164 100
162 100.5 80.0 120.0
160 43.3 34.8 52.2

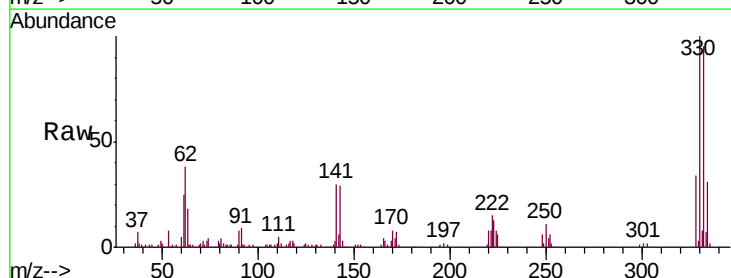


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

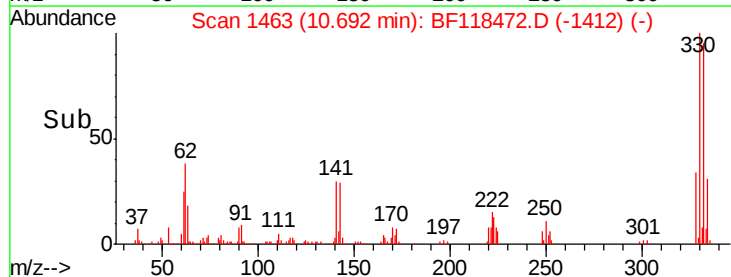
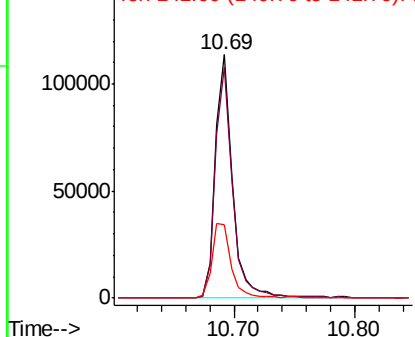


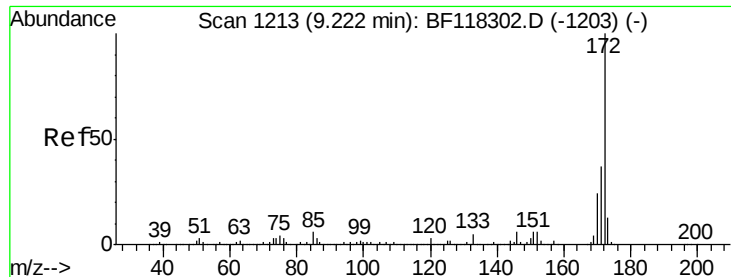
#42
2,4,6-Tribromophenol
Concen: 76.937 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.00 min
Lab File: BF118472.D
Acq: 3 Jan 2020 22:26

Tgt Ion:330 Resp: 111382
Ion Ratio Lower Upper
330 100
332 96.1 76.6 114.8
141 34.6 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

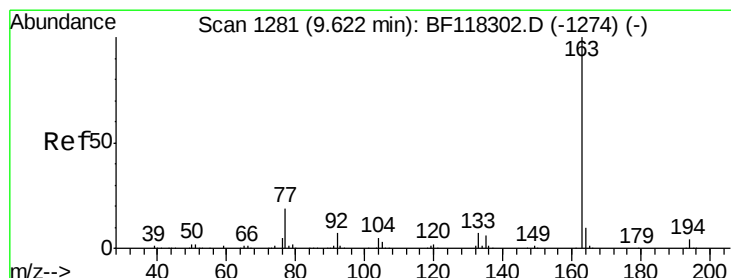
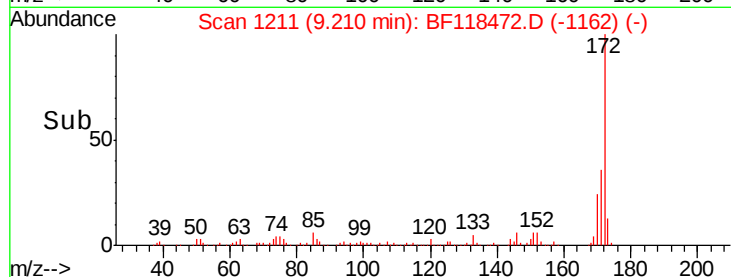
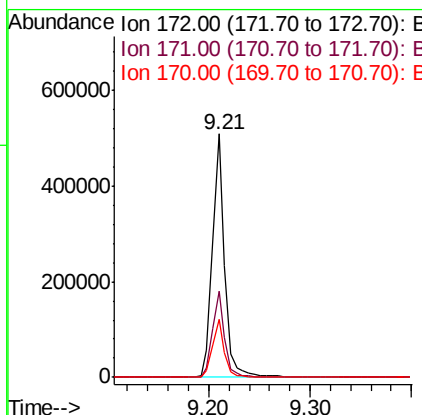
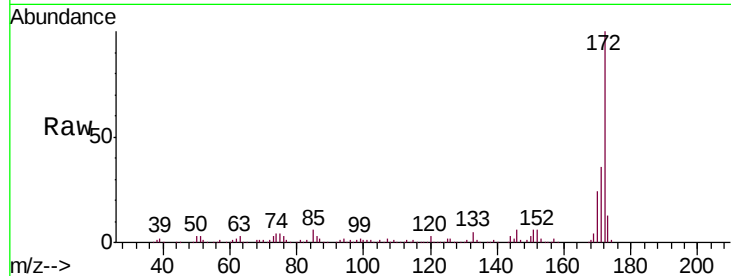




#45
2-Fluorobiphenyl
Concen: 55.679 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF118472.D
Acq: 3 Jan 2020 22:26

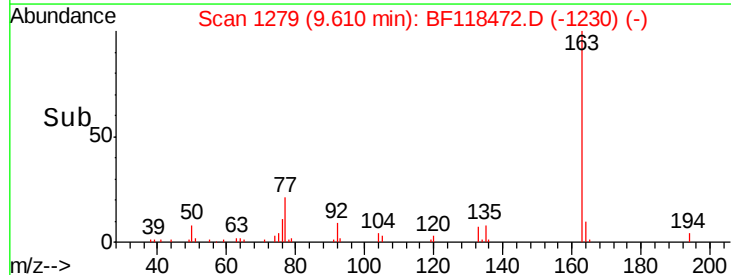
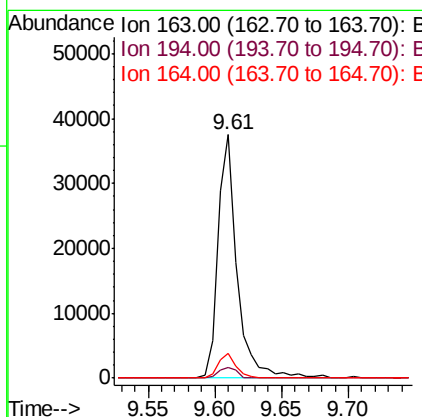
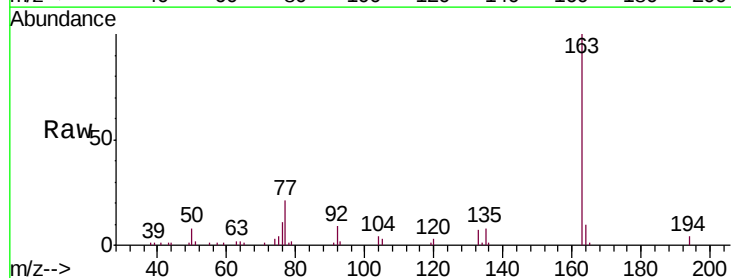
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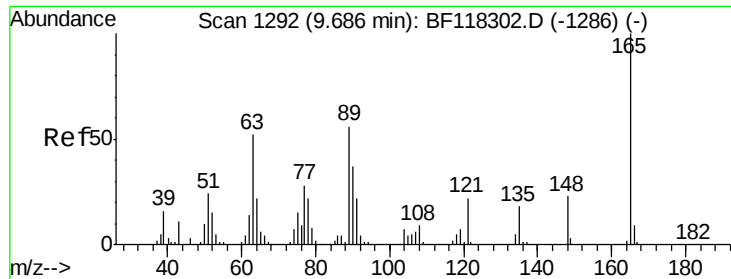
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.3	43.9
170	23.6	19.2	28.8



#50
Dimethylphthalate
Concen: 4.303 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118472.D
Acq: 3 Jan 2020 22:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.0	7.9	11.9

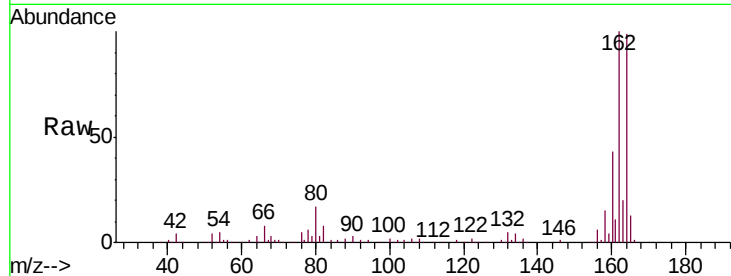




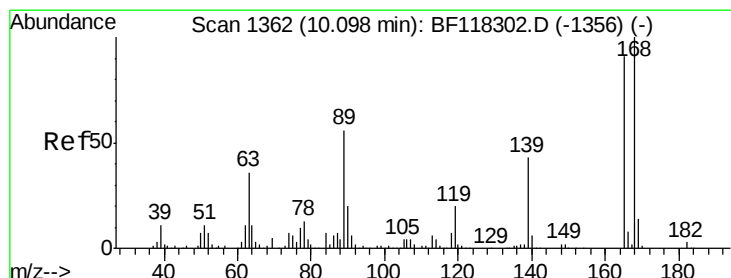
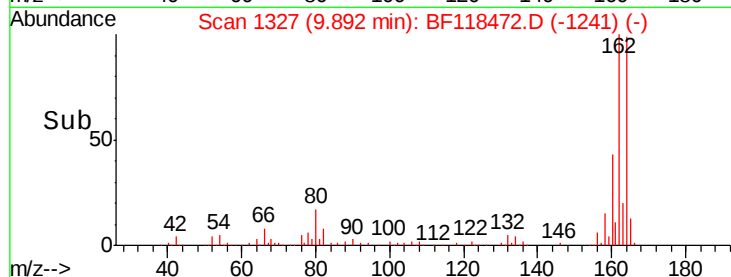
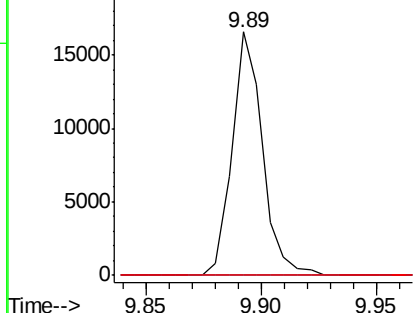
#51
 2,6-Dinitrotoluene
 Concen: 7.964 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF118472.D
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.2	63.4#
89	0.0	44.4	66.6#



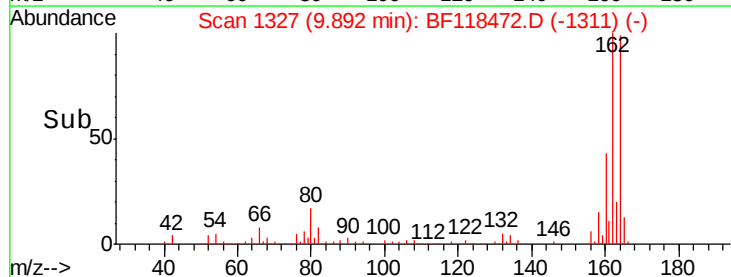
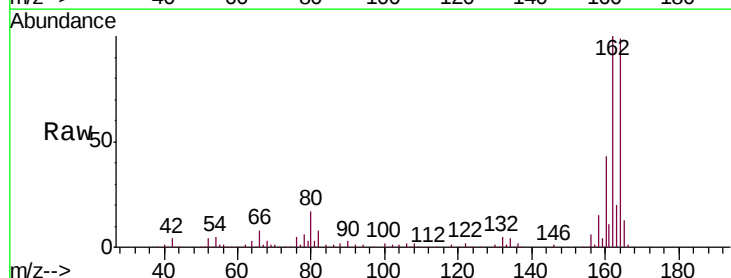
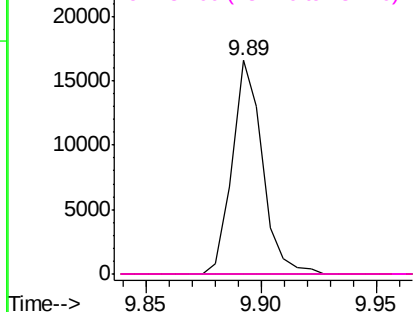
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

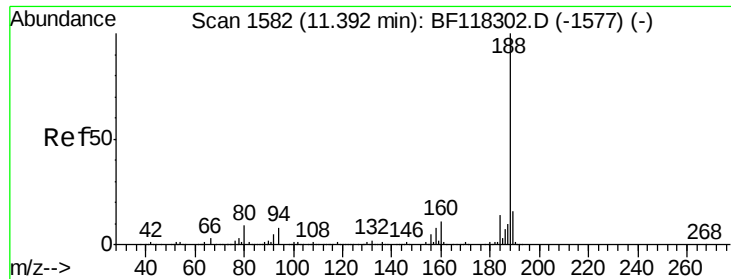


#57
 2,4-Dinitrotoluene
 Concen: 5.960 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.21 min
 Lab File: BF118472.D
 Acq: 3 Jan 2020 22:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.0	48.0#
89	0.0	49.3	73.9#
182	0.0	2.4	3.6#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BF118472.D

Acq: 3 Jan 2020 22:26

Instrument :

BNA_F

ClientSampleId :

MC-123019-2-5-COMP-B8

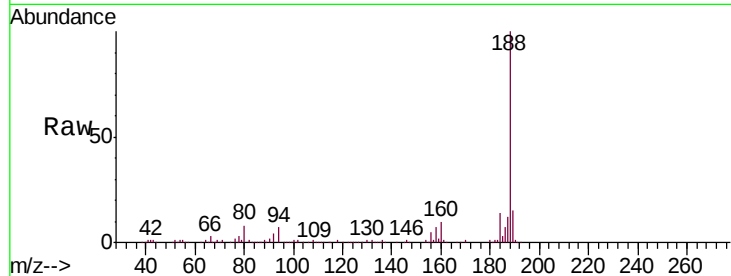
Tgt Ion:188 Resp: 234967

Ion Ratio Lower Upper

188 100

94 7.1 6.7 10.1

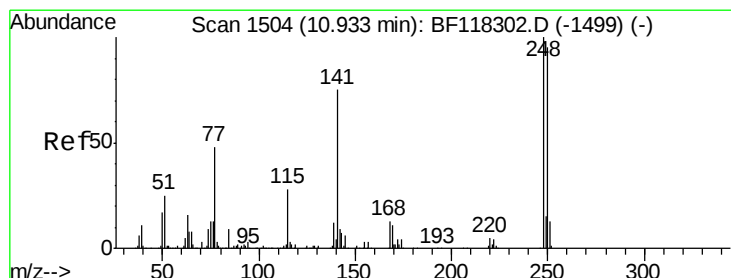
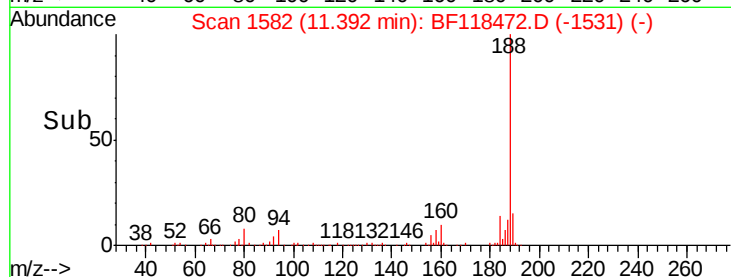
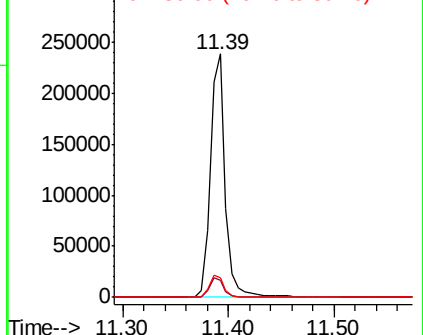
80 8.2 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 2.469 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.24 min

Lab File: BF118472.D

Acq: 3 Jan 2020 22:26

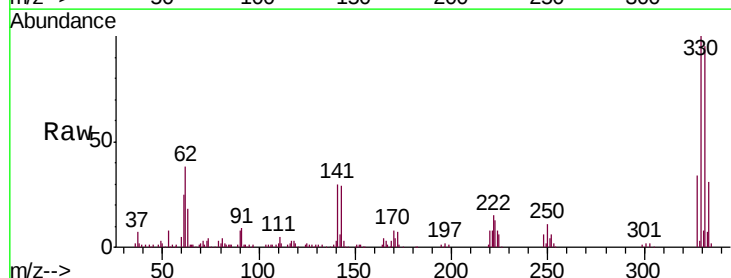
Tgt Ion:248 Resp: 6790

Ion Ratio Lower Upper

248 100

250 186.6 76.4 114.6#

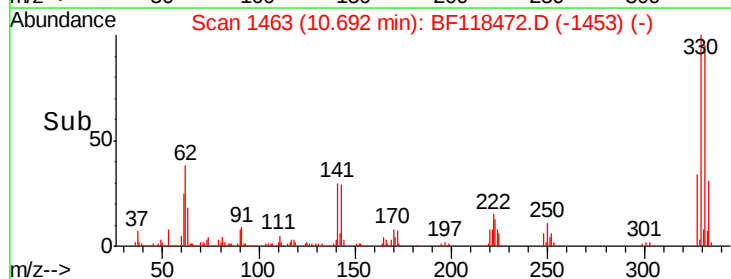
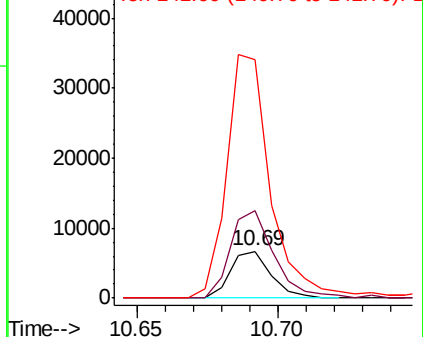
141 505.7 60.2 90.2#

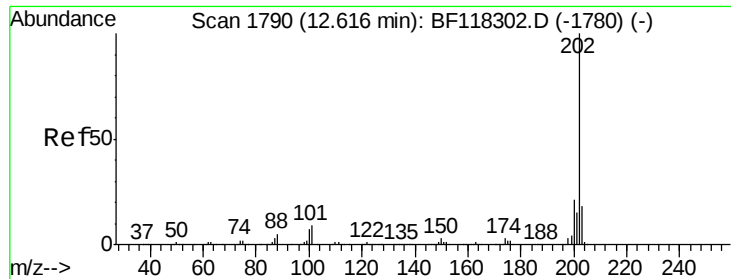


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 3.300 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118472.D

Acq: 3 Jan 2020 22:26

Instrument :

BNA_F

ClientSampleId :

MC-123019-2-5-COMP-B8

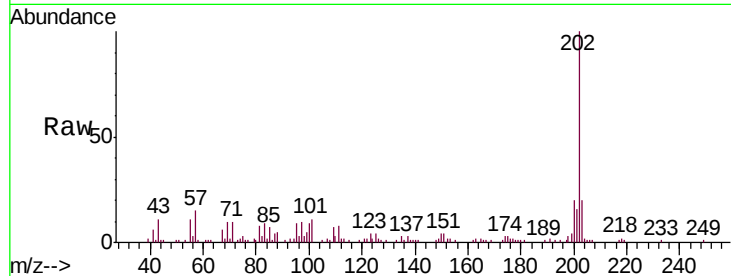
Tgt Ion:202 Resp: 42656

Ion Ratio Lower Upper

202 100

101 10.8 0.0 29.5

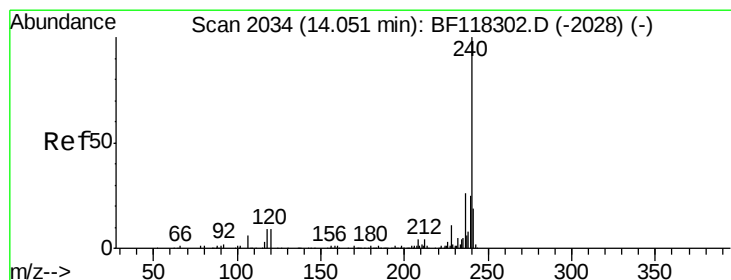
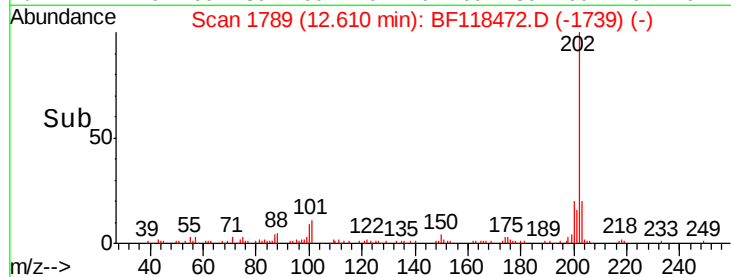
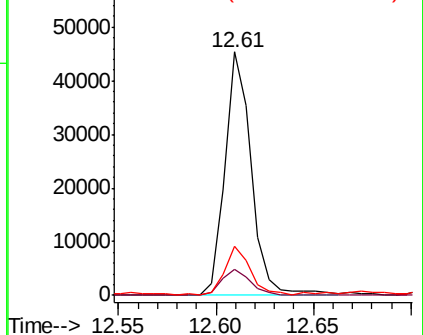
203 20.1 0.0 37.6



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: BF118472.D

Acq: 3 Jan 2020 22:26

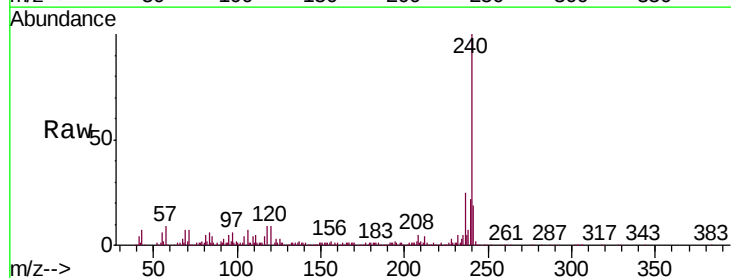
Tgt Ion:240 Resp: 172018

Ion Ratio Lower Upper

240 100

120 9.0 7.1 10.7

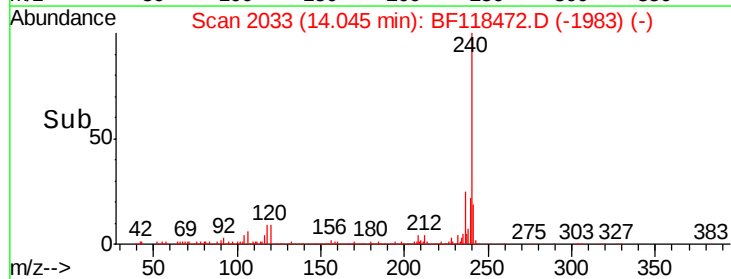
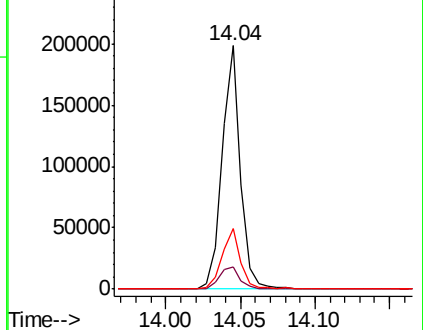
236 25.1 21.0 31.6

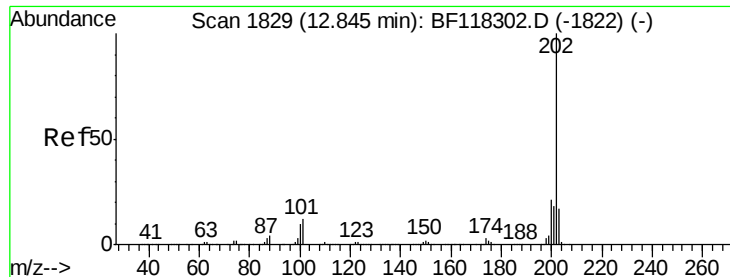


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

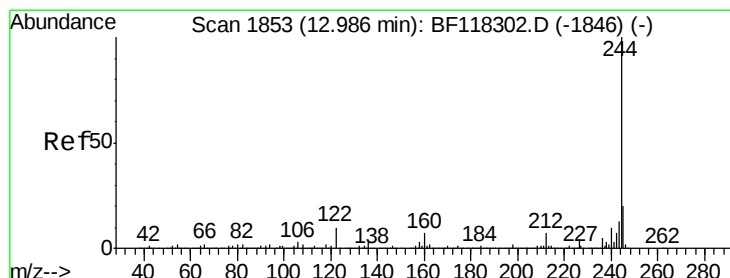
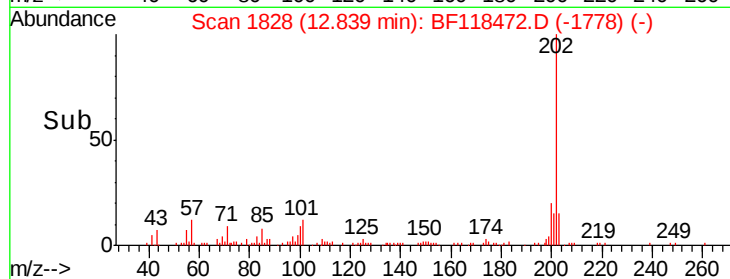
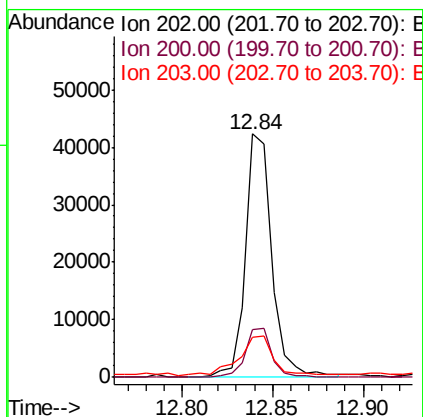
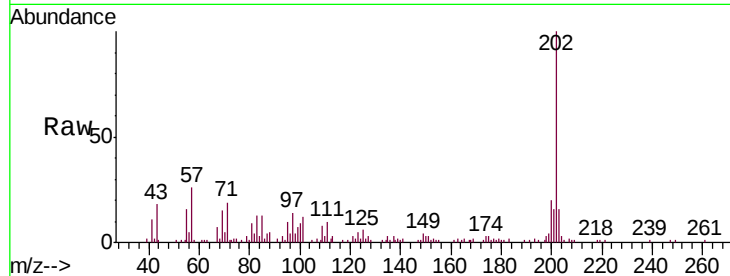




#78
 Pyrene
 Concen: 3.038 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF118472.D
 Acq: 3 Jan 2020 22:26

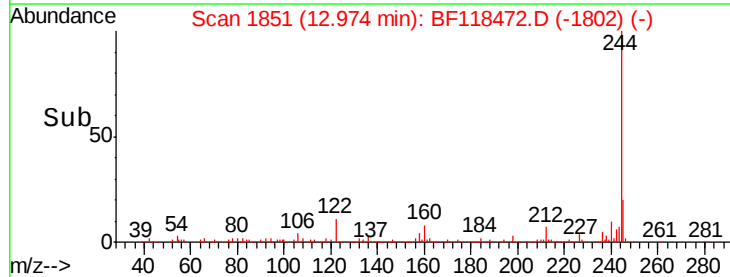
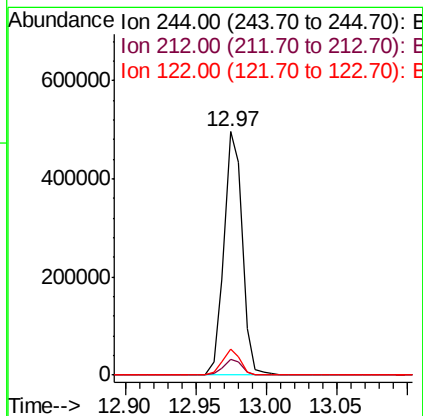
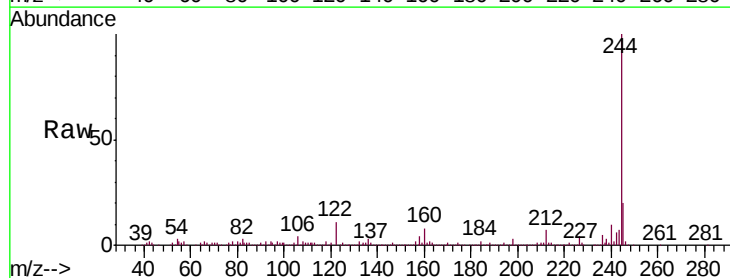
Instrument :
 BNA_F
 ClientSampleId :
 MC-123019-2-5-COMP-B8

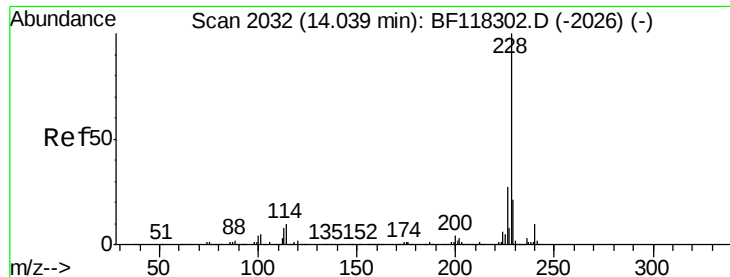
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.8	25.2
203	16.4	13.9	20.9



#79
 Terphenyl-d14
 Concen: 43.441 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF118472.D
 Acq: 3 Jan 2020 22:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	10.9	7.8	11.8

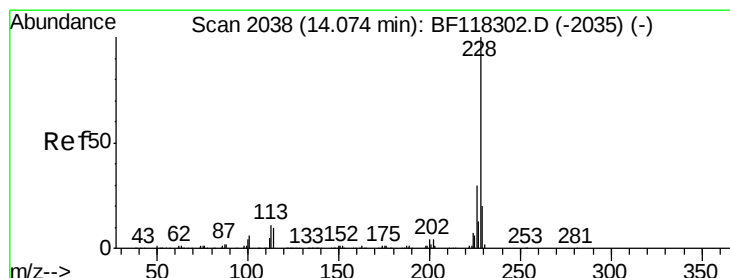
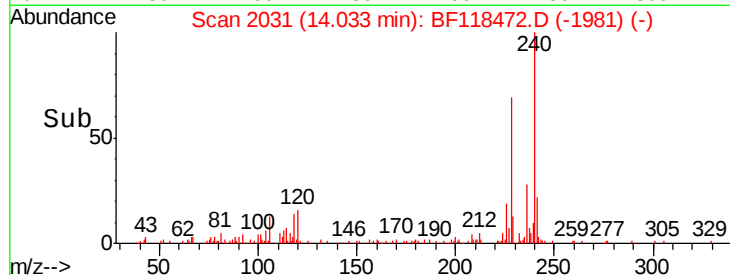
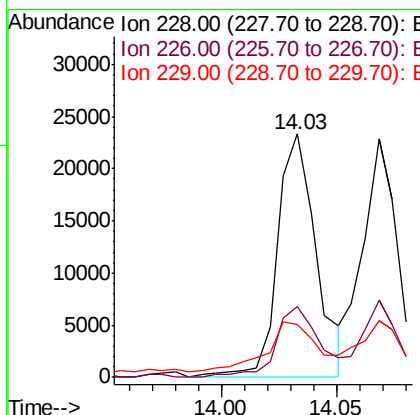
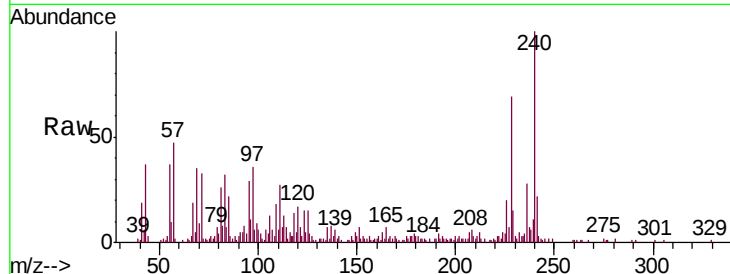




#81
Benzo(a)anthracene
Concen: 2.258 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118472.D
Acq: 3 Jan 2020 22:26

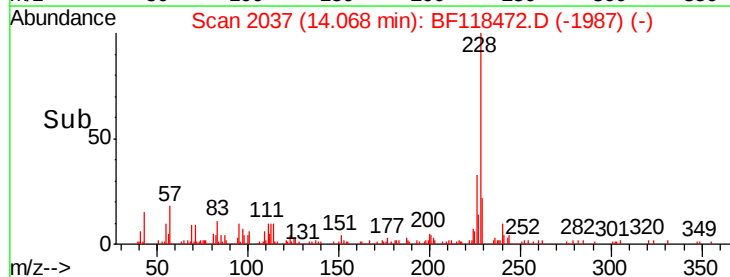
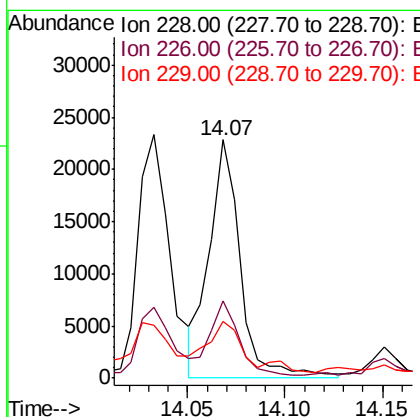
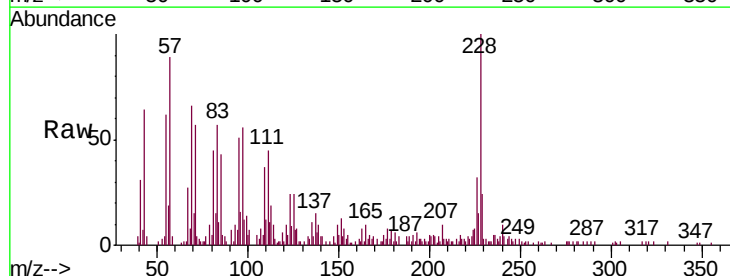
Instrument :
BNA_F
ClientSampleId :
MC-123019-2-5-COMP-B8

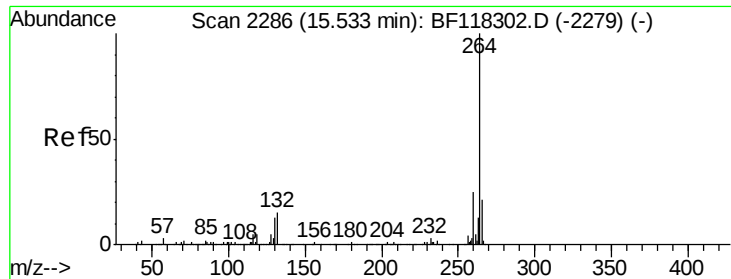
Tgt Ion:228 Resp: 27190
Ion Ratio Lower Upper
228 100
226 28.9 22.0 33.0
229 21.6 16.6 24.8



#83
Chrysene
Concen: 2.211 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118472.D
Acq: 3 Jan 2020 22:26

Tgt Ion:228 Resp: 25494
Ion Ratio Lower Upper
228 100
226 32.4 23.9 35.9
229 23.9 16.1 24.1



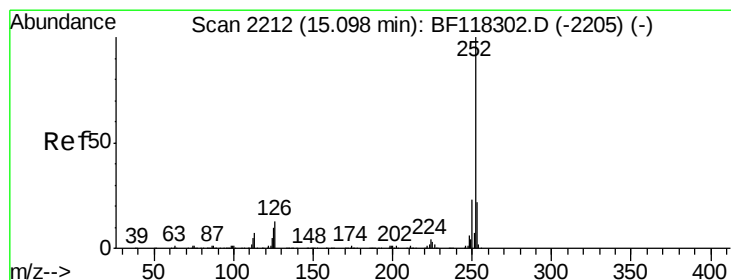
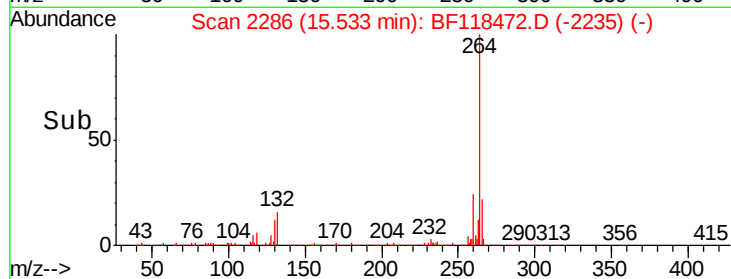
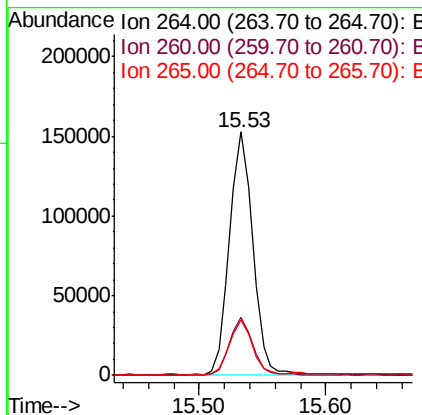
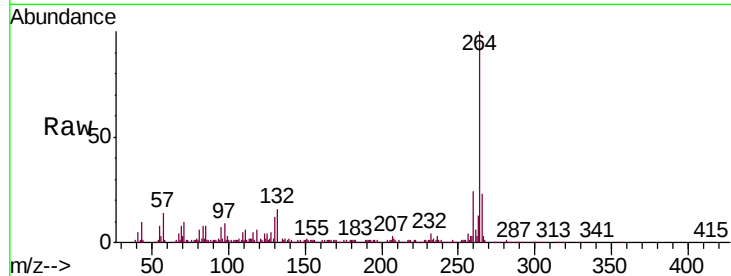


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.00 min
Lab File: BF118472.D
Acq: 3 Jan 2020 22:26

Instrument :
BNA_F
ClientSampleId :
MC-123019-2-5-COMP-B8

Tgt Ion:264 Resp: 197314

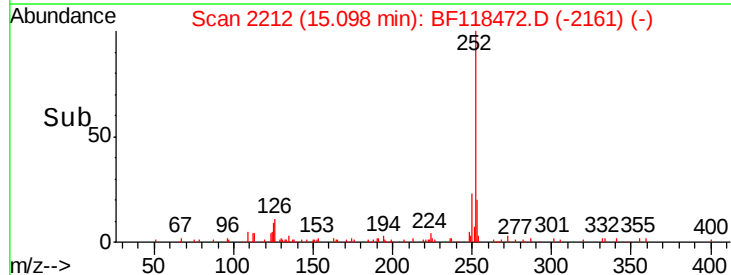
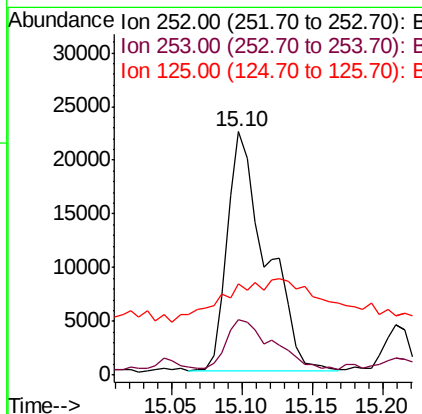
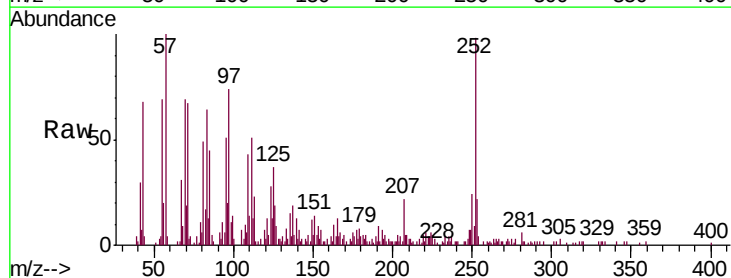
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.8	29.6
265	22.7	17.0	25.4

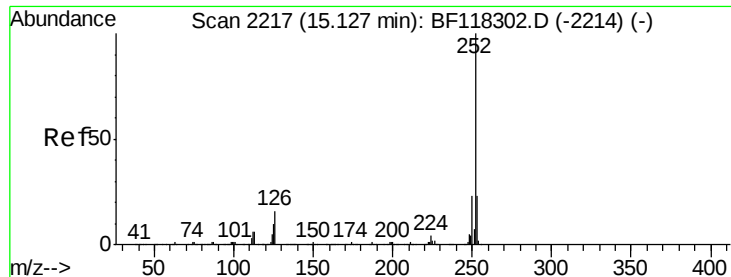


#88
Benzo(b)fluoranthene
Concen: 3.274 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF118472.D
Acq: 3 Jan 2020 22:26

Tgt Ion:252 Resp: 42888

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	37.3	7.7	11.5#

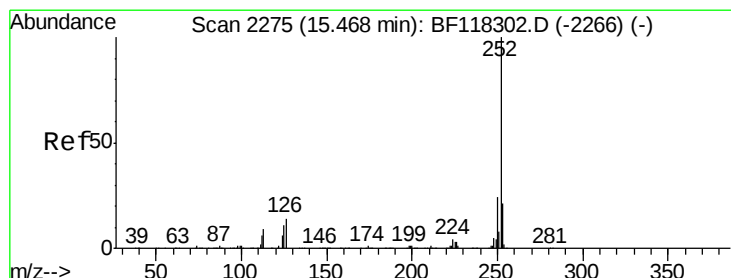
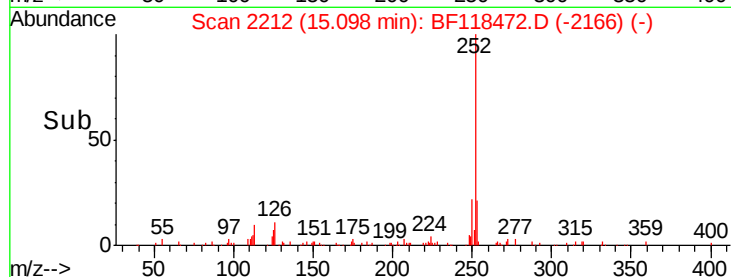
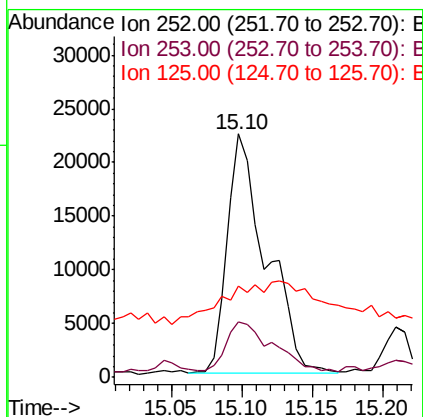
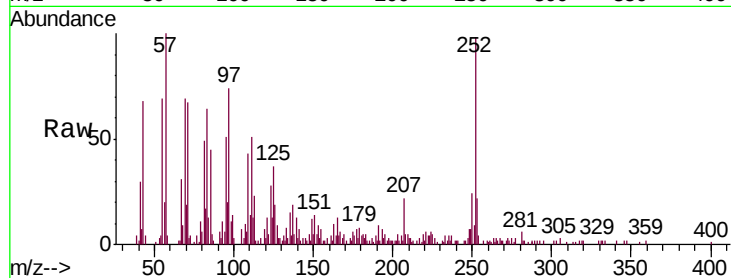




#89
Benzo(k)fluoranthene
Concen: 3.410 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.03 min
Lab File: BF118472.D
Acq: 3 Jan 2020 22:26

Instrument :
BNA_F
ClientSampleId :
MC-123019-2-5-COMP-B8

Tgt Ion:252 Resp: 42888
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 37.3 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 2.022 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BF118472.D
Acq: 3 Jan 2020 22:26

Tgt Ion:252 Resp: 23326
Ion Ratio Lower Upper
252 100
253 25.0 17.0 25.6
125 39.0 9.0 13.4#

