

Data File : BF118467.D
Acq On : 3 Jan 2020 20:05
Operator : JU
Sample : K6472-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
K309-WC-01

Quant Time: Jan 04 00:06:26 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	65194	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	319762	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	177818	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	275622	20.00	ng	0.00
76) Chrysene-d12	14.04	240	189520	20.00	ng	0.00
87) Perylene-d12	15.54	264	199239	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	345420	90.44	ng	0.00
7) Phenol-d6	6.48	99	459806	97.05	ng	0.00
23) Nitrobenzene-d5	7.41	82	334448	59.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	170253	77.53	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	727025	62.41	ng	-0.01
79) Terphenyl-d14	12.97	244	694648	60.81	ng	-0.01

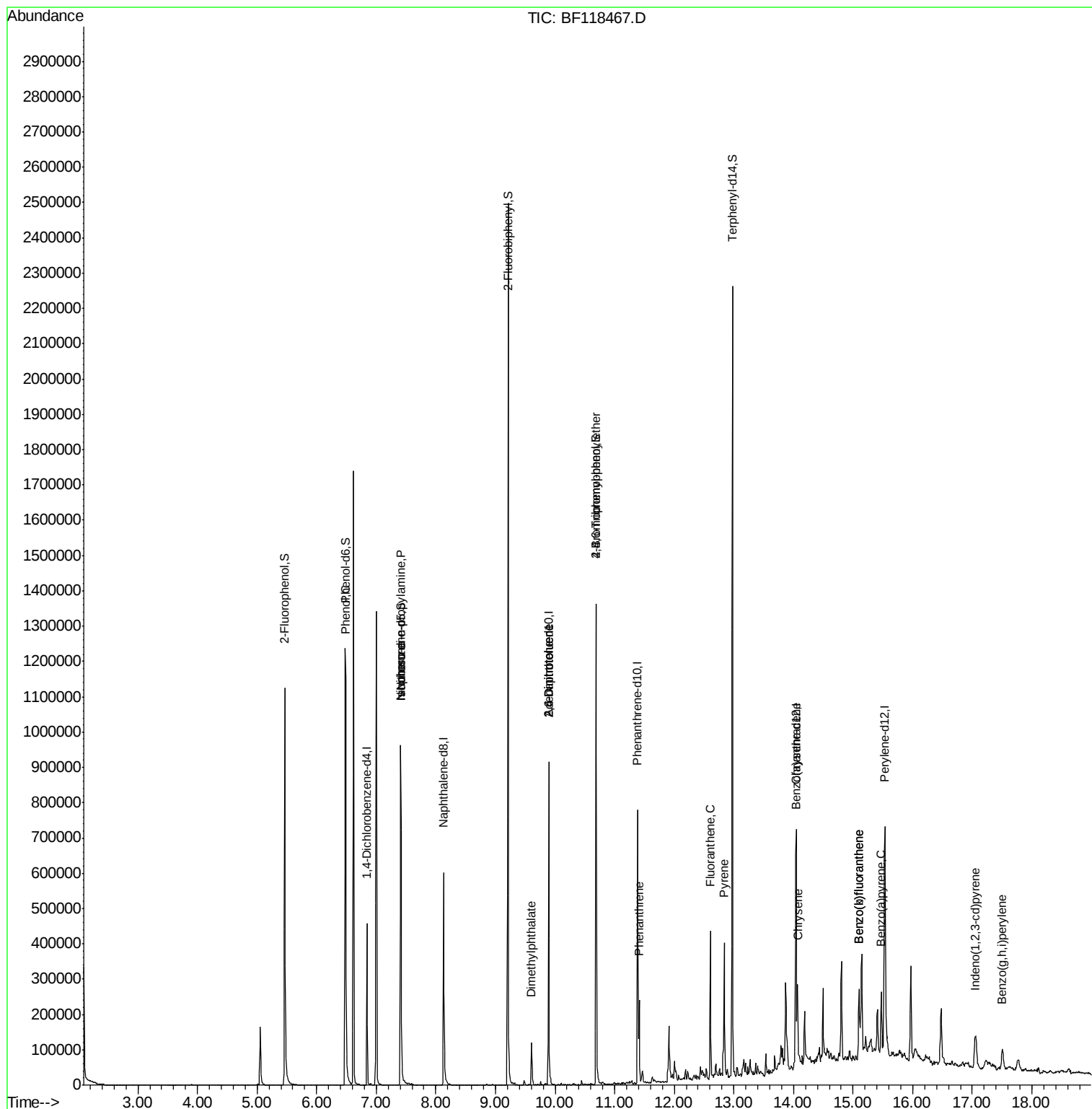
Target Compounds				Qvalue		
10) Phenol	6.49	94	12267	2.304	ng	# 42
19) n-Nitroso-di-n-propylamine	7.41	70	45483	15.583	ng	# 79
25) Isophorone	7.41	82	334475	34.328	ng	# 62
50) Dimethylphthalate	9.60	163	57336	4.296	ng	98
51) 2,6-Dinitrotoluene	9.89	165	22064	7.667	ng	# 26
57) 2,4-Dinitrotoluene	9.89	165	22064	5.738	ng	# 29
67) 4-Bromophenyl-phenylether	10.69	248	10624	3.294	ng	# 1
71) Phenanthrene	11.41	178	84626	5.632	ng	98
75) Fluoranthene	12.61	202	171138	11.286	ng	99
78) Pyrene	12.84	202	152570	9.858	ng	98
81) Benzo(a)anthracene	14.03	228	87693	6.610	ng	98
83) Chrysene	14.07	228	73594	5.794	ng	97
86) Indeno(1,2,3-cd)pyrene	17.04	276	51642	4.771	ng	95
88) Benzo(b)fluoranthene	15.10	252	137220	10.375	ng	96
89) Benzo(k)fluoranthene	15.10	252	137220	10.806	ng	97
90) Benzo(a)pyrene	15.47	252	83364	7.155	ng	97
92) Benzo(g,h,i)perylene	17.50	276	47401	4.853	ng	96

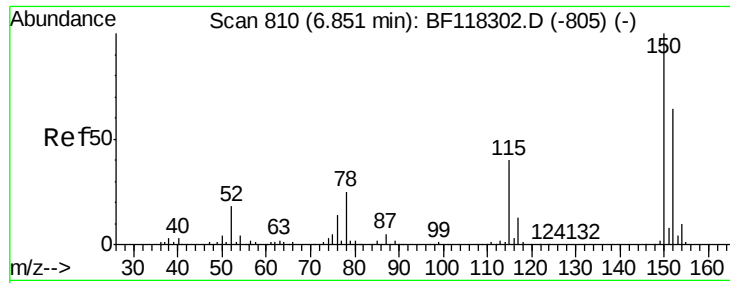
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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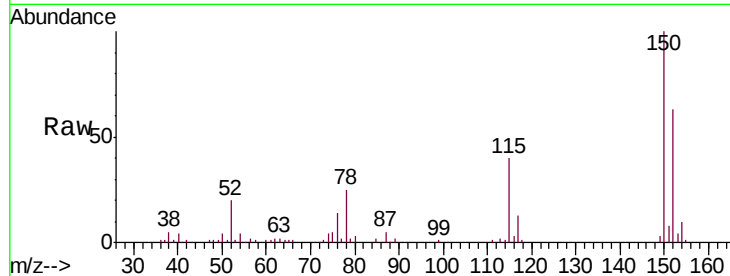




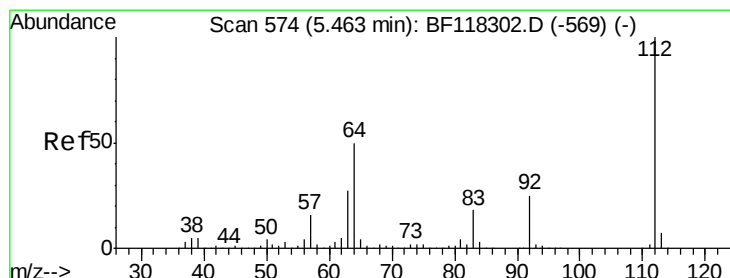
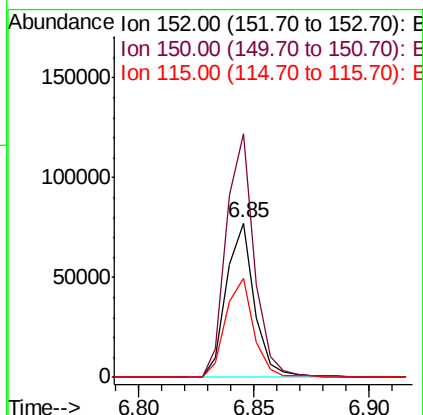
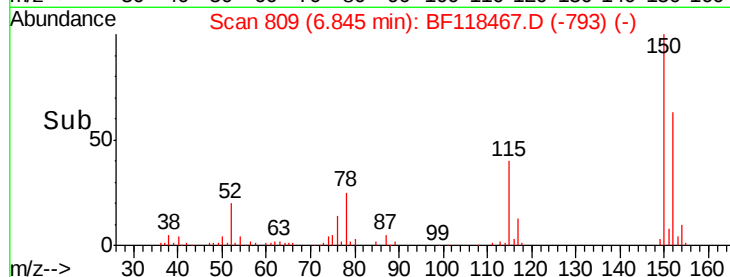
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF118467.D
 Acq: 3 Jan 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 K309-WC-01

Tgt Ion:152 Resp: 65194
 Ion Ratio Lower Upper
 152 100
 150 158.0 125.4 188.2
 115 63.9 50.2 75.4

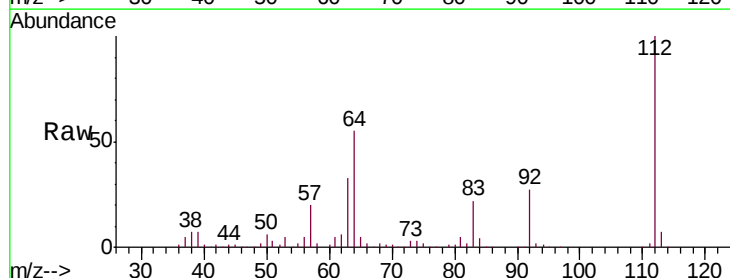


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

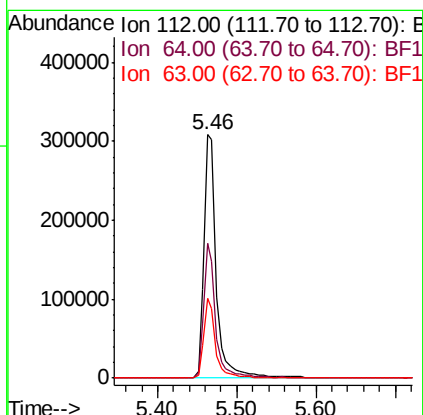
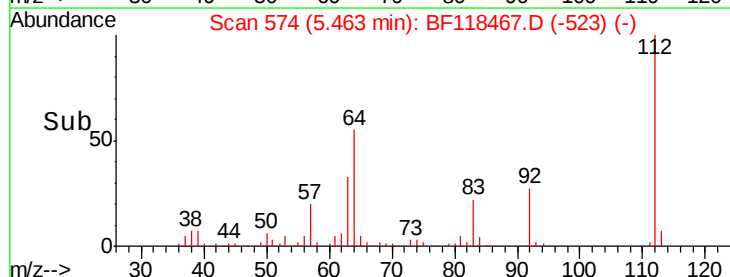


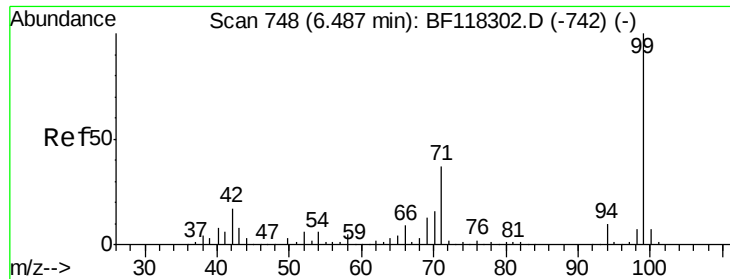
#5
 2-Fluorophenol
 Concen: 90.442 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: BF118467.D
 Acq: 3 Jan 2020 20:05

Tgt Ion:112 Resp: 345420
 Ion Ratio Lower Upper
 112 100
 64 55.2 39.7 59.5
 63 32.8 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: 97.049 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118467.D

Acq: 3 Jan 2020 20:05

Instrument :

BNA_F

ClientSampleId :

K309-WC-01

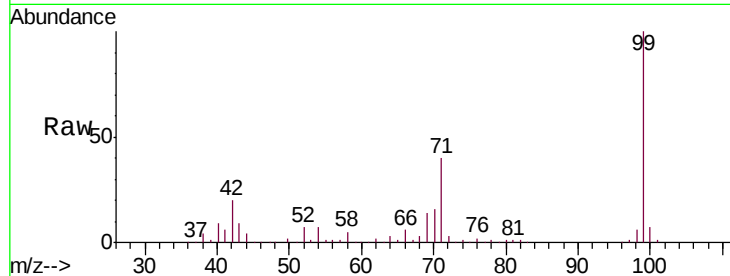
Tgt Ion: 99 Resp: 459806

Ion Ratio Lower Upper

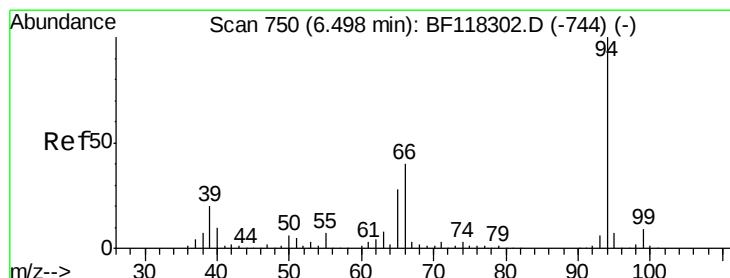
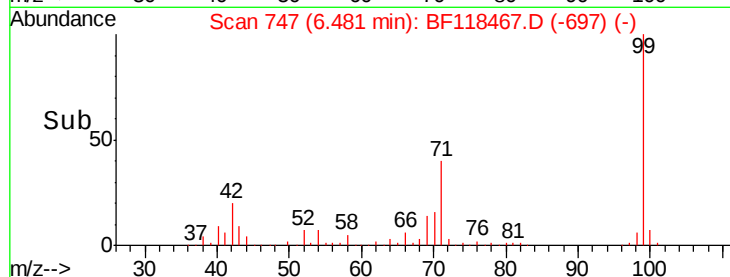
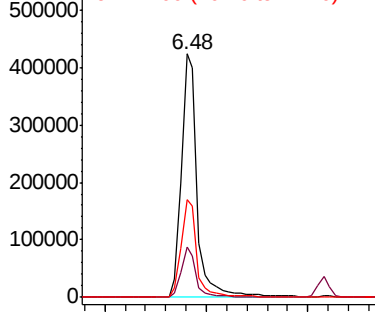
99 100

42 20.4 13.5 20.3#

71 40.4 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: 2.304 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118467.D

Acq: 3 Jan 2020 20:05

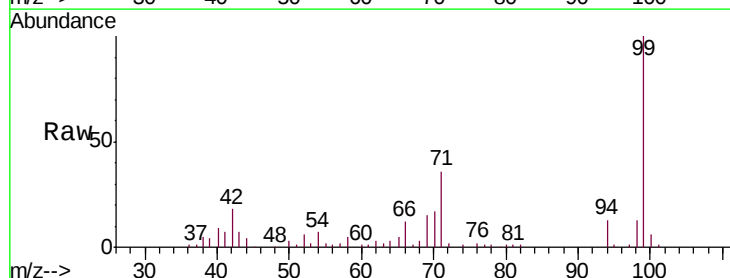
Tgt Ion: 94 Resp: 12267

Ion Ratio Lower Upper

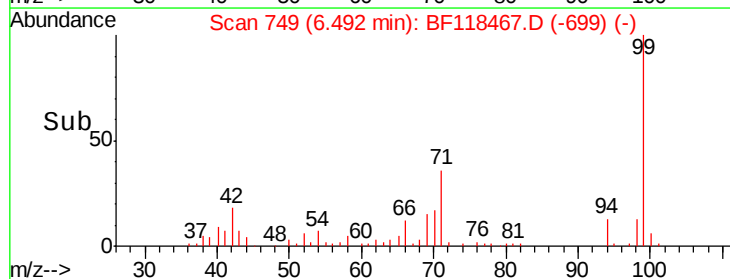
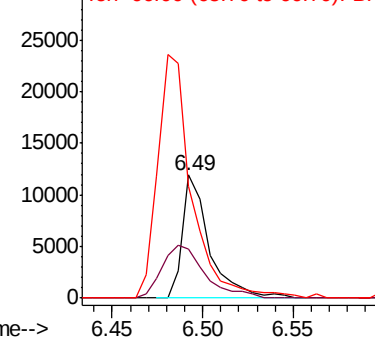
94 100

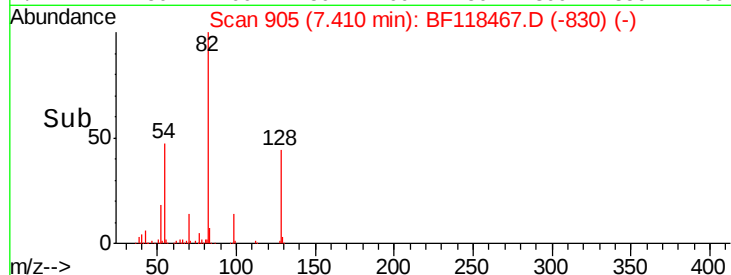
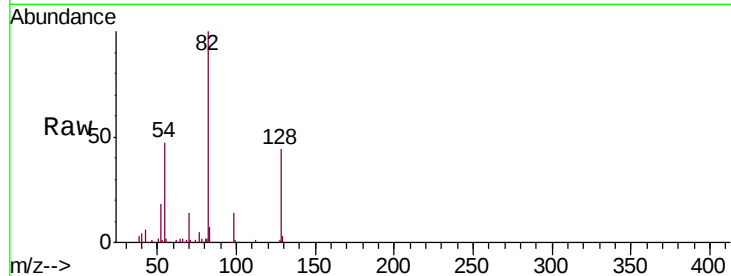
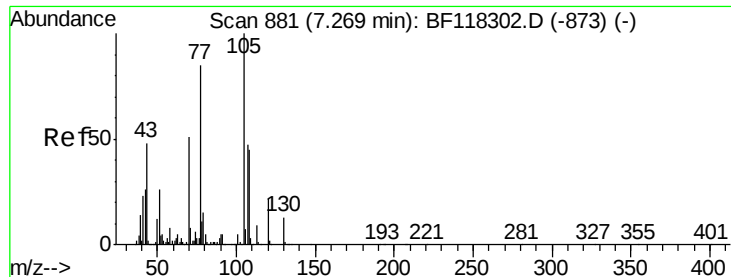
65 40.2 7.8 47.8

66 91.1 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

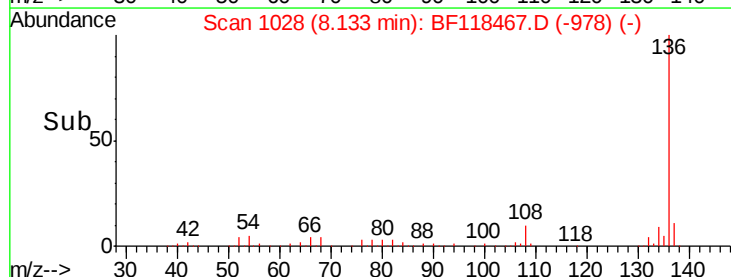
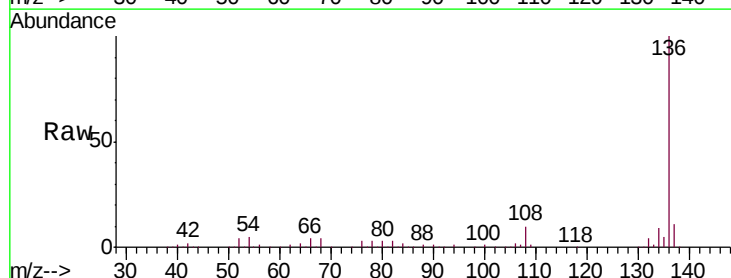
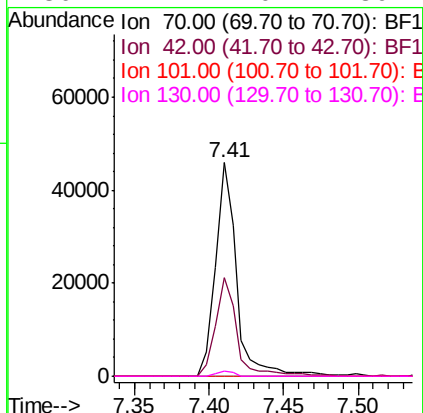




#19
n-Nitroso-di-n-propylamine
Concen: 15.583 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

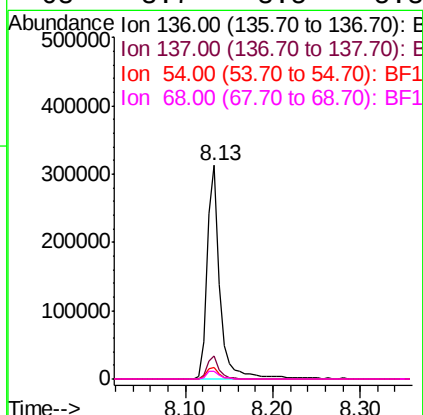
Instrument :
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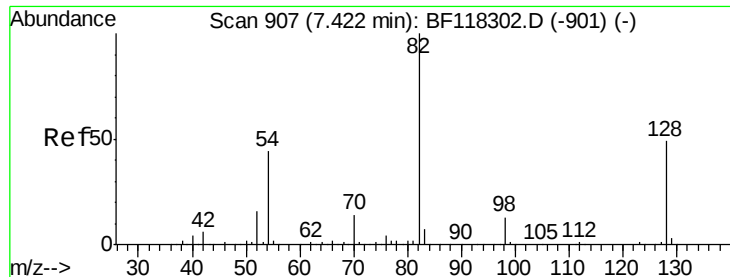
Tgt Ion: 70 Resp: 45483
Ion Ratio Lower Upper
70 100
42 46.2 41.1 61.7
101 0.0 8.3 12.5#
130 2.2 20.1 30.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion: 136 Resp: 319762
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 5.3 4.2 6.4
68 3.7 3.5 5.3

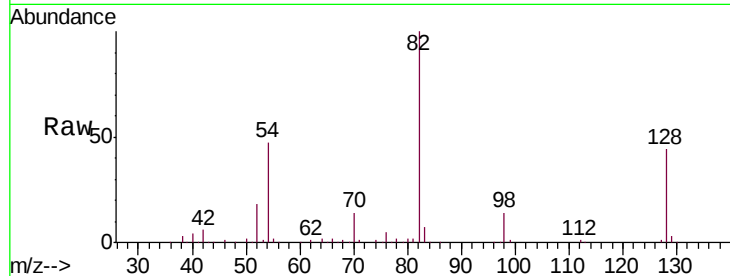




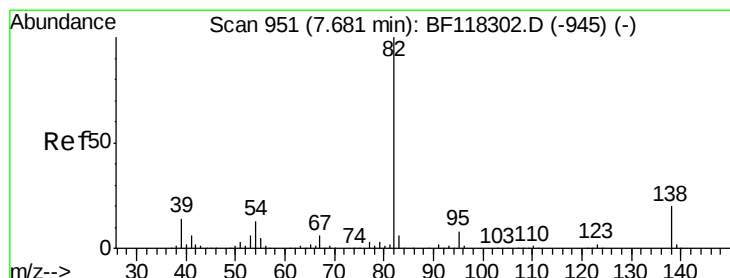
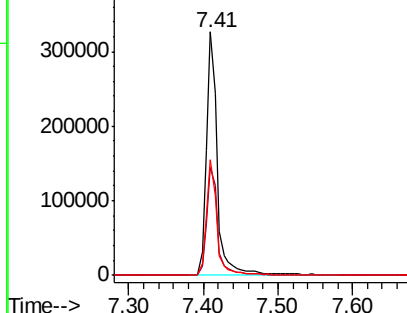
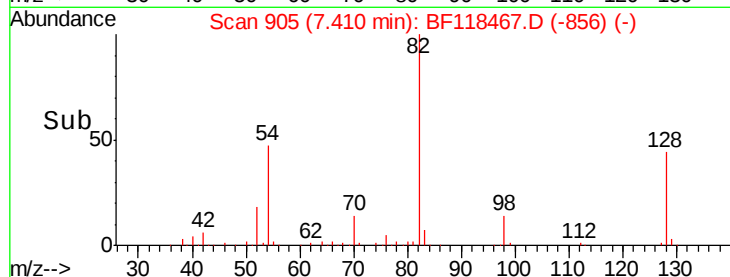
#23
Nitrobenzene-d5
Concen: 59.822 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Instrument :
BNA_F
ClientSampleId :
K309-WC-01

Tgt Ion: 82 Resp: 334448
Ion Ratio Lower Upper
82 100
128 44.2 39.6 59.4
54 47.4 34.9 52.3

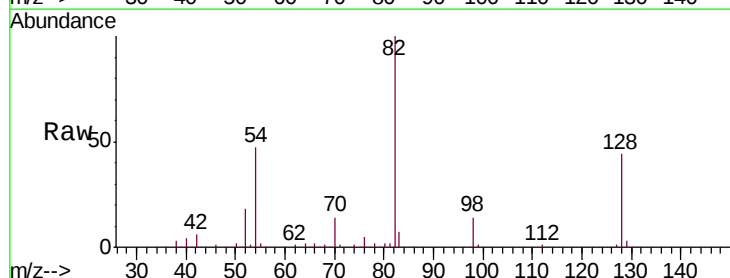


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

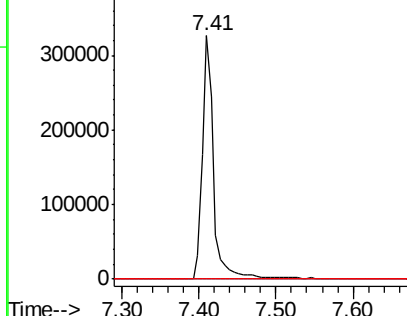
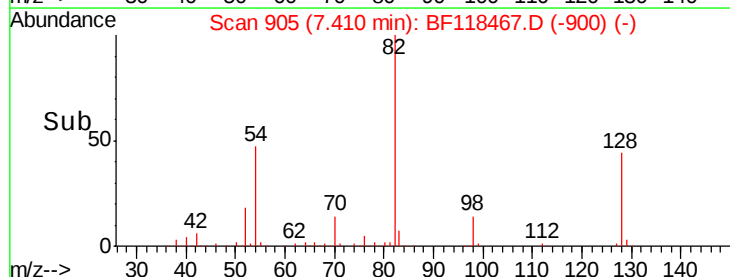


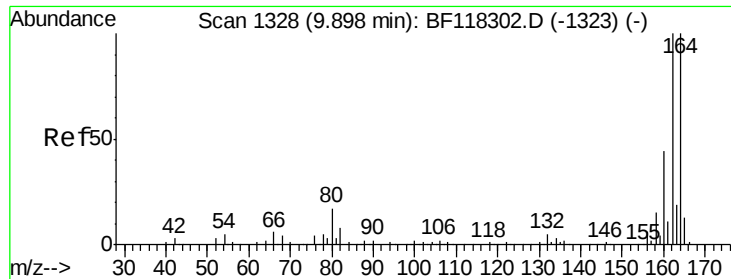
#25
Isophorone
Concen: 34.328 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.27 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion: 82 Resp: 334475
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: BF118467.D

Acq: 3 Jan 2020 20:05

Instrument :

BNA_F

ClientSampleId :

K309-WC-01

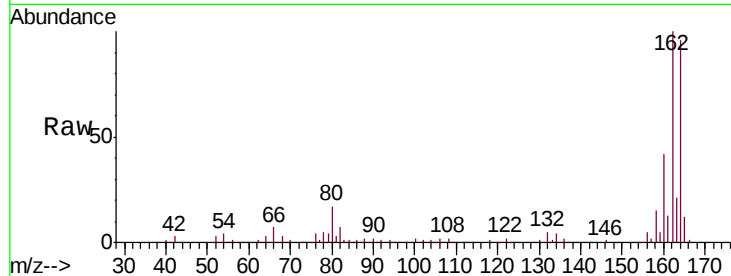
Tgt Ion:164 Resp: 177818

Ion Ratio Lower Upper

164 100

162 103.9 80.0 120.0

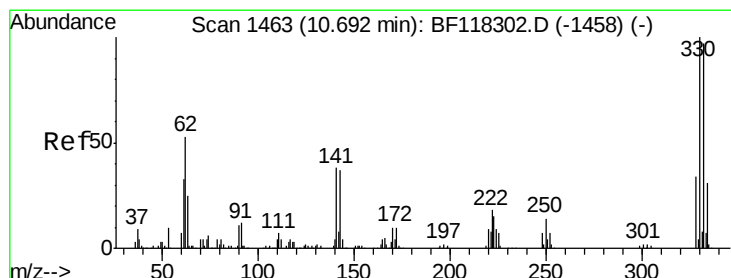
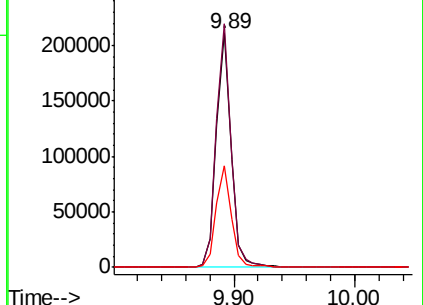
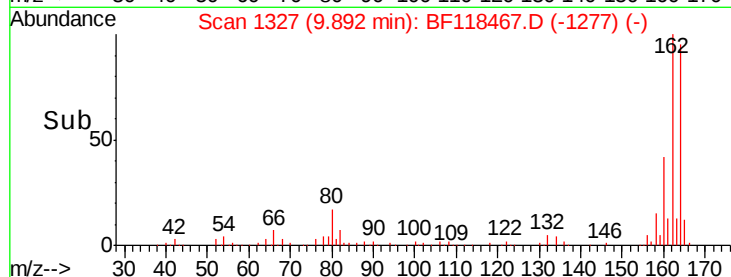
160 43.6 34.8 52.2



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: 77.531 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF118467.D

Acq: 3 Jan 2020 20:05

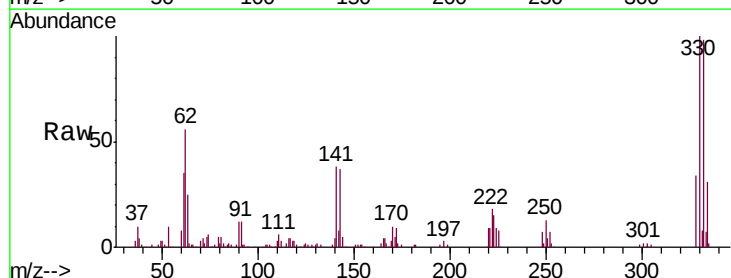
Tgt Ion:330 Resp: 170253

Ion Ratio Lower Upper

330 100

332 97.7 76.6 114.8

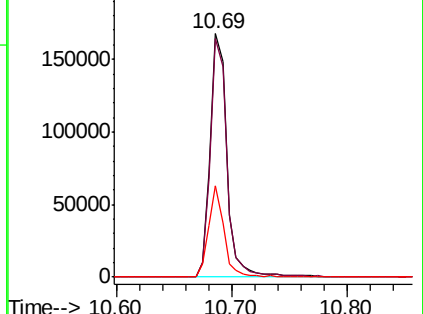
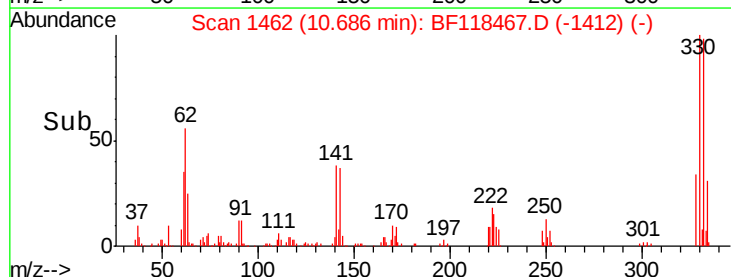
141 35.2 26.0 39.0

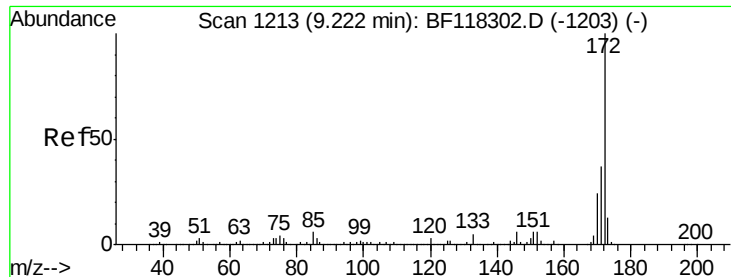


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

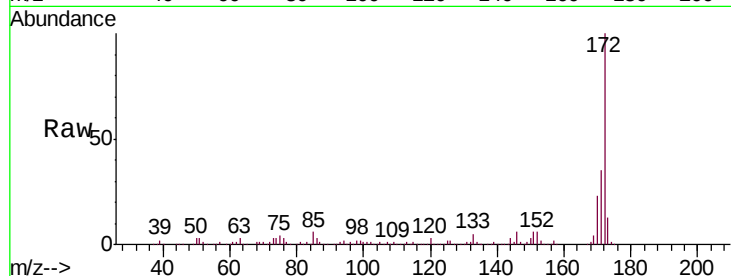




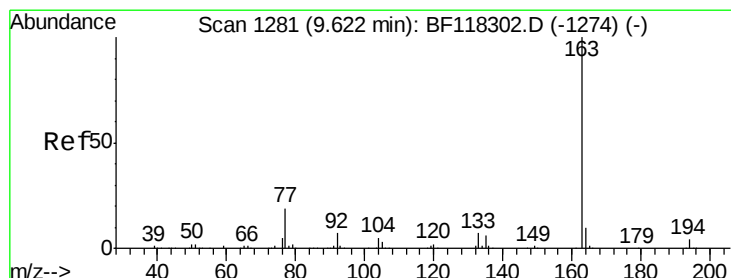
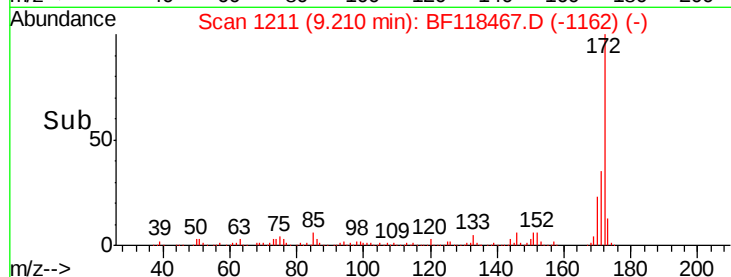
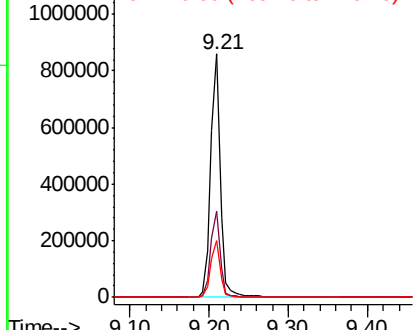
#45
2-Fluorobiphenyl
Concen: 62.411 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
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Tgt Ion:172 Resp: 727025
Ion Ratio Lower Upper
172 100
171 35.2 29.3 43.9
170 23.4 19.2 28.8

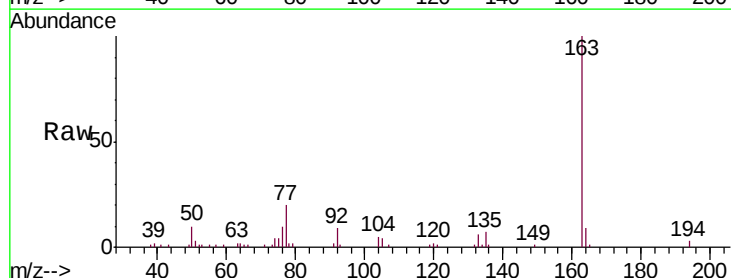


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

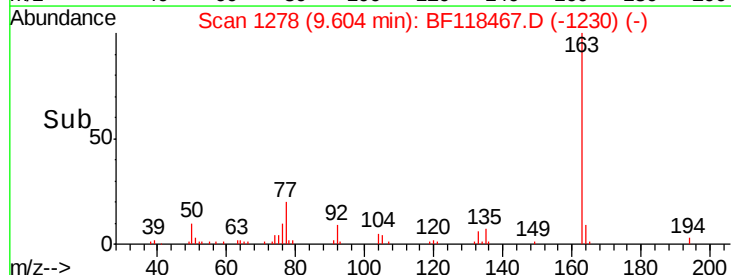
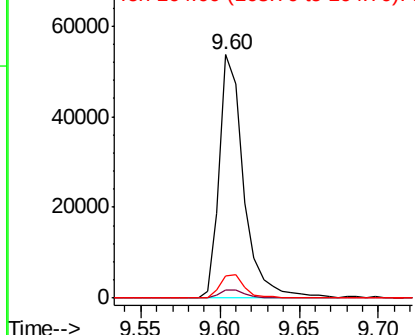


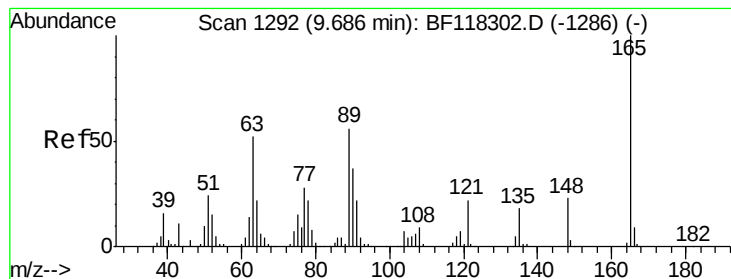
#50
Dimethylphthalate
Concen: 4.296 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion:163 Resp: 57336
Ion Ratio Lower Upper
163 100
194 3.4 3.2 4.8
164 9.2 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





#51

2,6-Dinitrotoluene

Concen: 7.667 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.21 min

Lab File: BF118467.D

Acq: 3 Jan 2020 20:05

Instrument :

BNA_F

ClientSampleId :

K309-WC-01

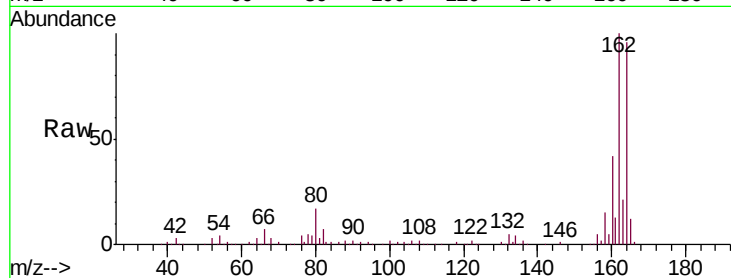
Tgt Ion:165 Resp: 22064

Ion Ratio Lower Upper

165 100

63 1.3 42.2 63.4#

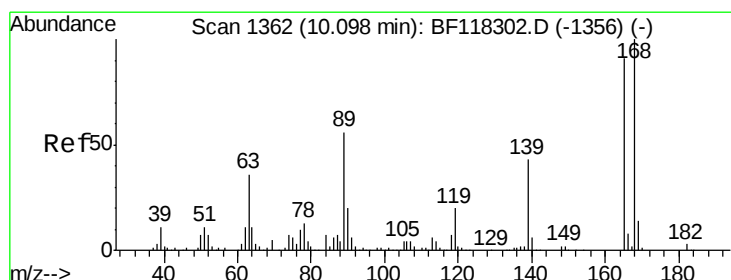
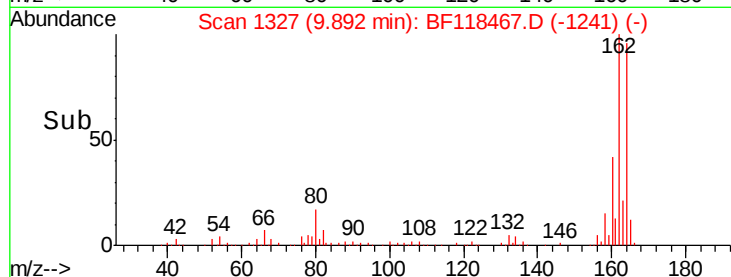
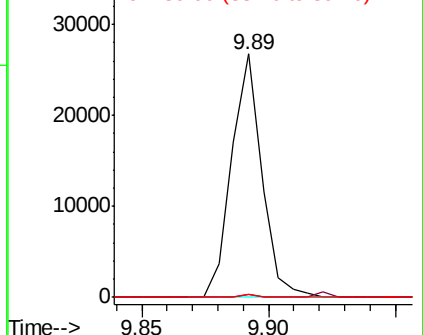
89 1.2 44.4 66.6#



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: 5.738 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.21 min

Lab File: BF118467.D

Acq: 3 Jan 2020 20:05

Tgt Ion:165 Resp: 22064

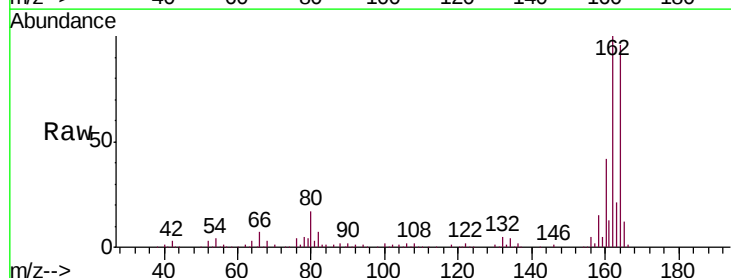
Ion Ratio Lower Upper

165 100

63 1.3 32.0 48.0#

89 1.2 49.3 73.9#

182 0.0 2.4 3.6#

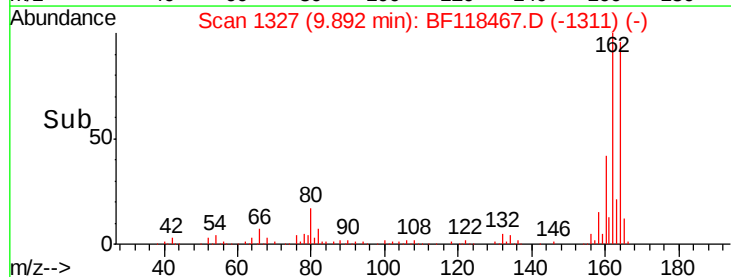
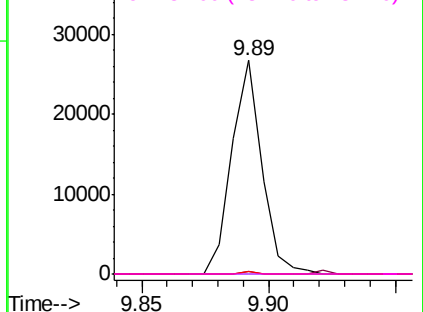


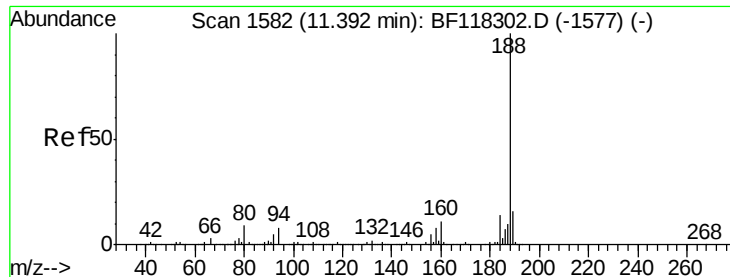
Abundance Ion 165.00 (164.70 to 165.70): E

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

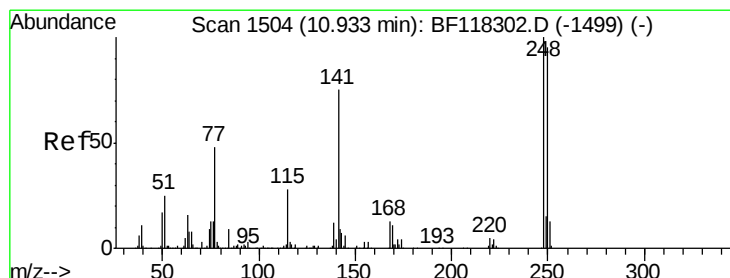
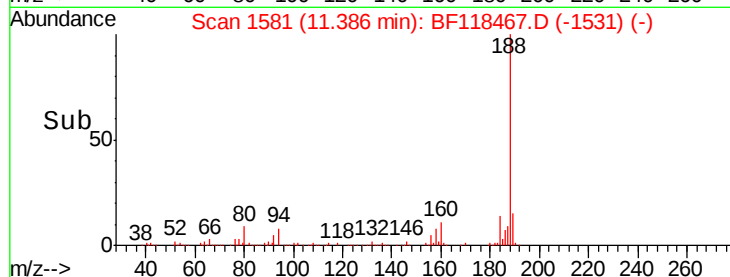
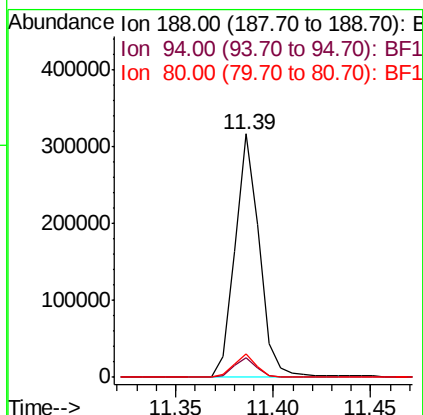
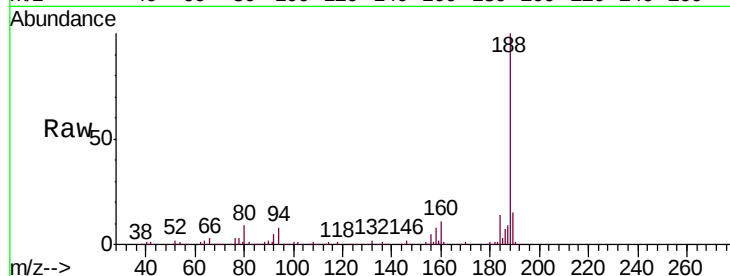




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

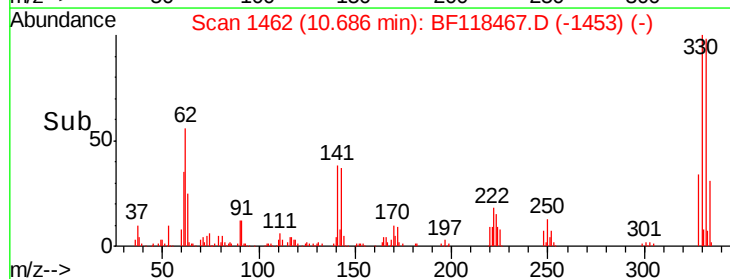
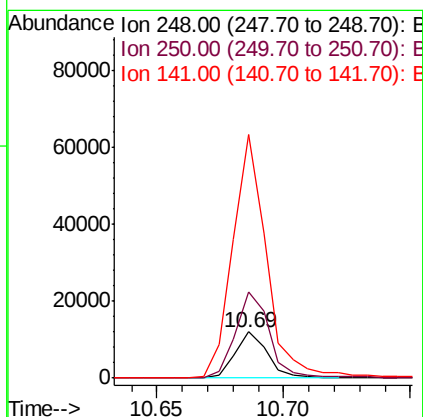
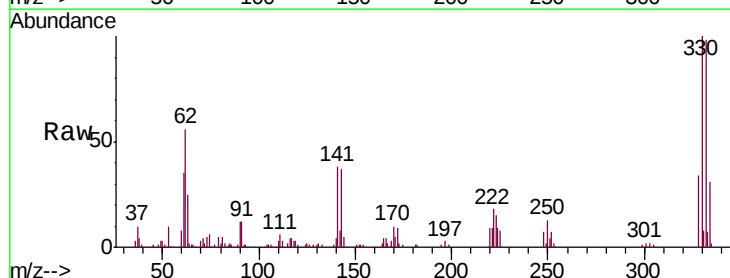
Instrument :
BNA_F
ClientSampleId :
K309-WC-01

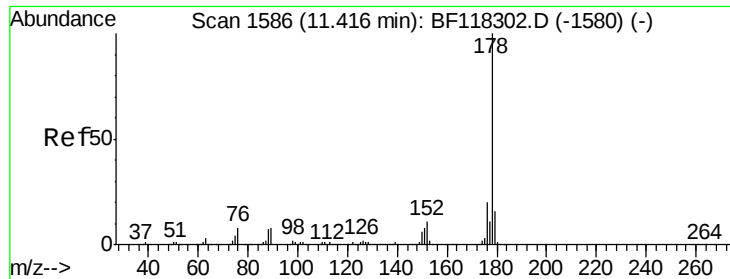
Tgt Ion:188 Resp: 275622
Ion Ratio Lower Upper
188 100
94 7.8 6.7 10.1
80 9.4 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 3.294 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.25 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion:248 Resp: 10624
Ion Ratio Lower Upper
248 100
250 188.2 76.4 114.6#
141 528.1 60.2 90.2#

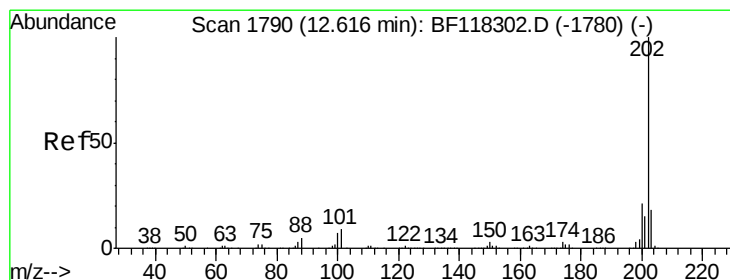
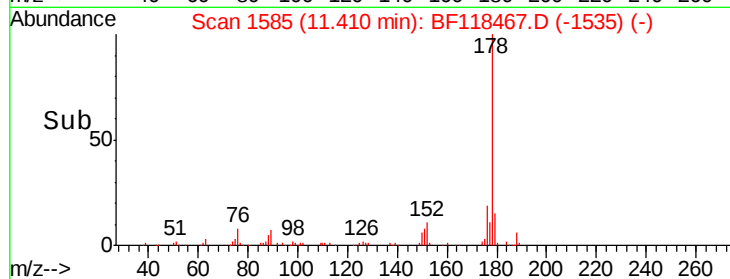
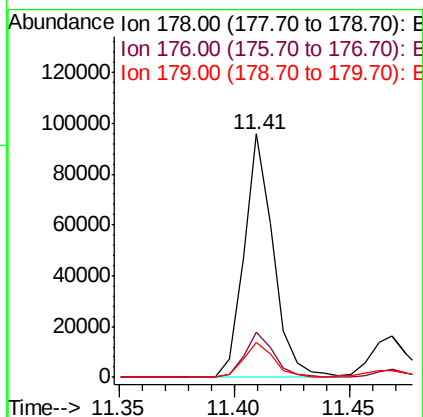
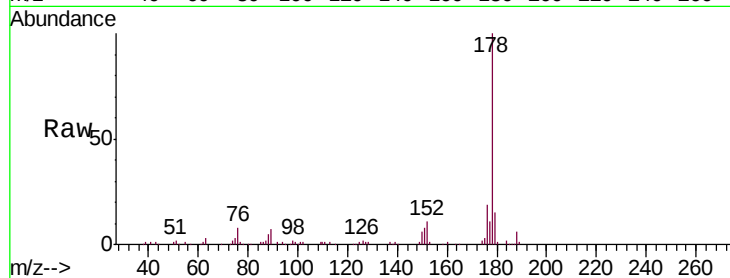




#71
Phenanthrene
Concen: 5.632 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

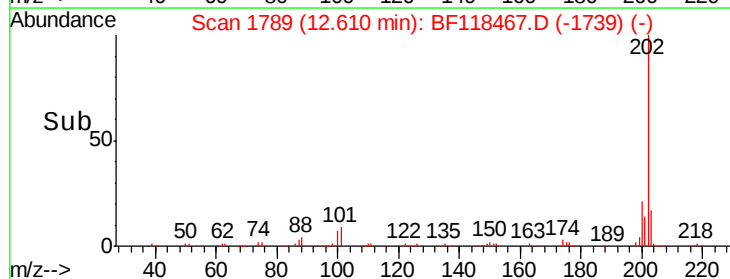
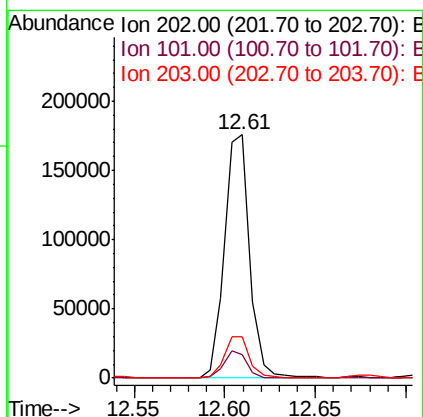
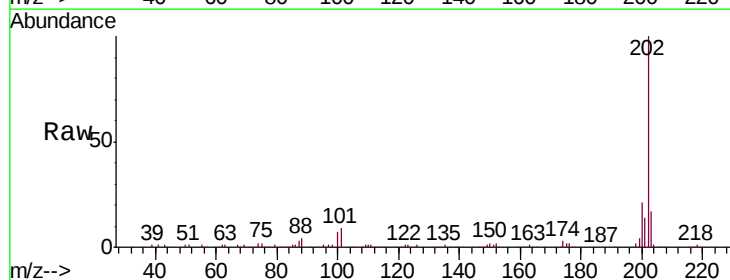
Instrument :
BNA_F
ClientSampleId :
K309-WC-01

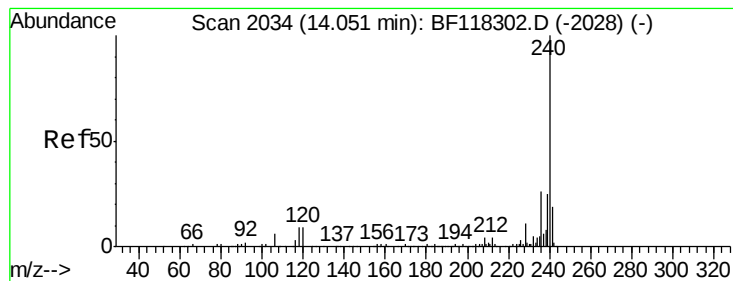
Tgt Ion:178 Resp: 84626
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 14.6 12.6 19.0



#75
Fluoranthene
Concen: 11.286 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion:202 Resp: 171138
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.5
203 16.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF118467.D

Acq: 3 Jan 2020 20:05

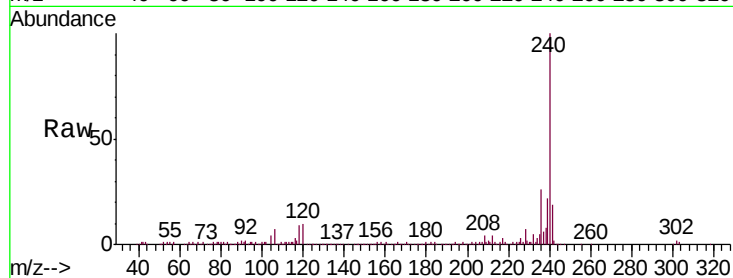
Instrument :

BNA_F

ClientSampleId :

K309-WC-01

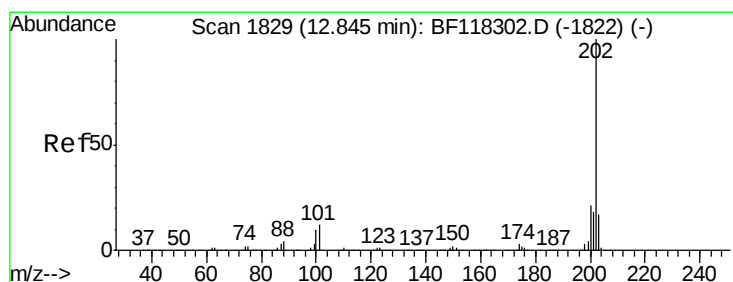
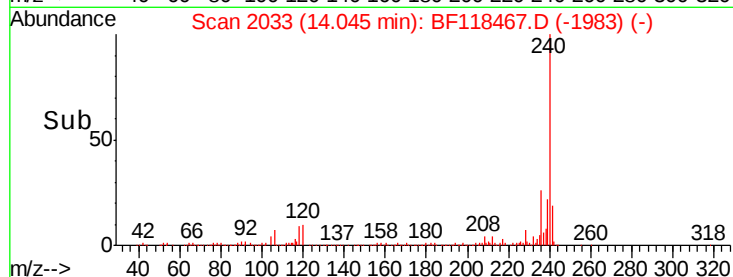
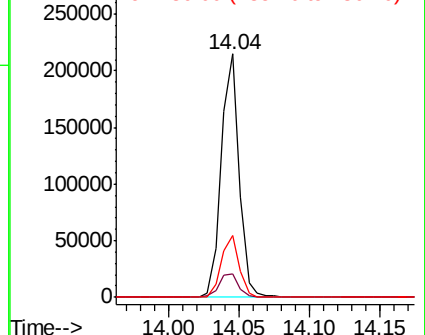
Tgt Ion:	240	Resp:	189520
Ion Ratio	Lower	Upper	
240	100		
120	9.5	7.1	10.7
236	25.6	21.0	31.6



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: 9.858 ng

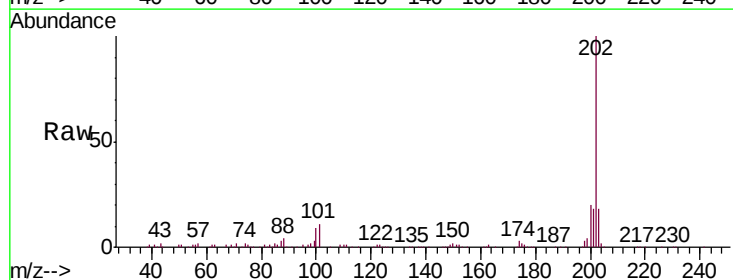
RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF118467.D

Acq: 3 Jan 2020 20:05

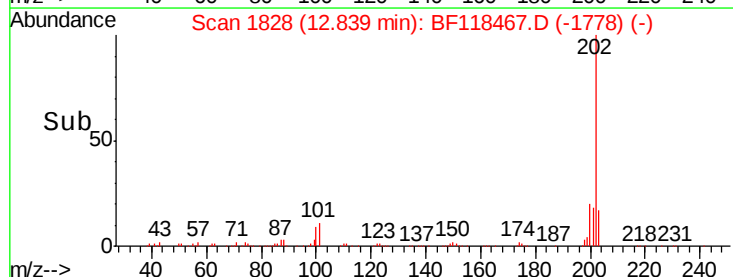
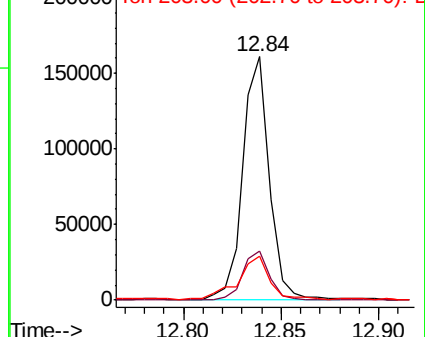
Tgt Ion:	202	Resp:	152570
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.8	25.2
203	18.2	13.9	20.9

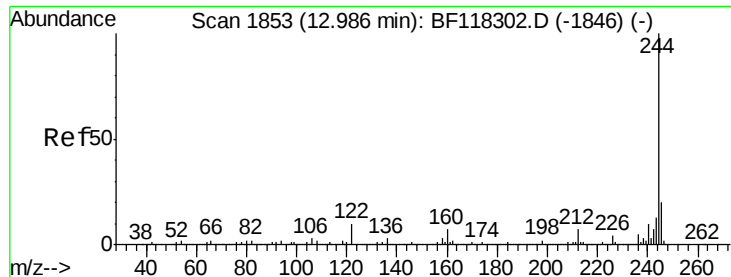


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 60.808 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF118467.D

Acq: 3 Jan 2020 20:05

Instrument :

BNA_F

ClientSampled :

K309-WC-01

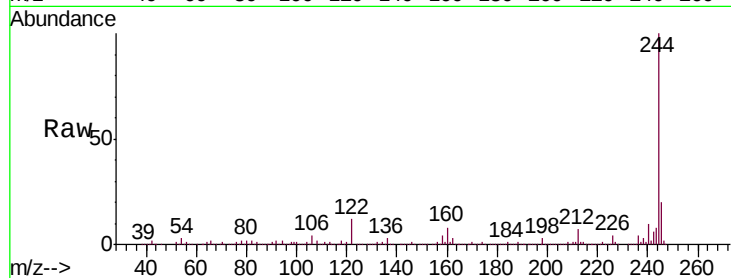
Tgt Ion:244 Resp: 694648

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

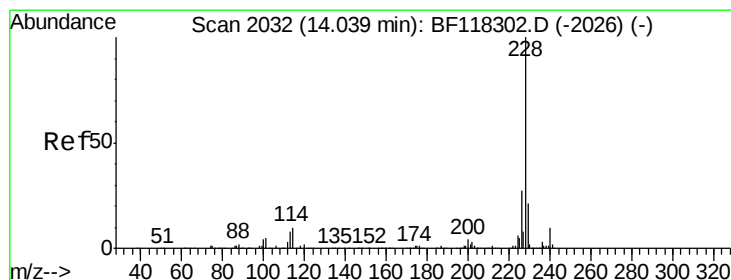
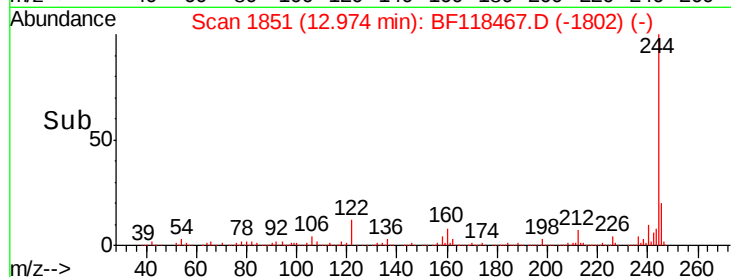
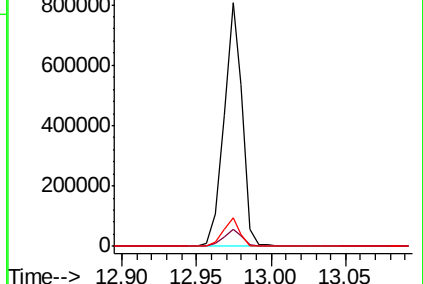
122 11.6 7.8 11.8



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: 6.610 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118467.D

Acq: 3 Jan 2020 20:05

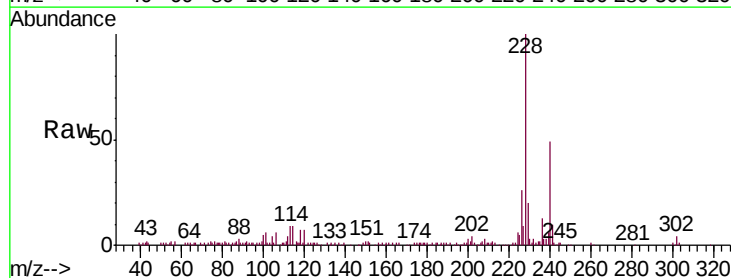
Tgt Ion:228 Resp: 87693

Ion Ratio Lower Upper

228 100

226 26.0 22.0 33.0

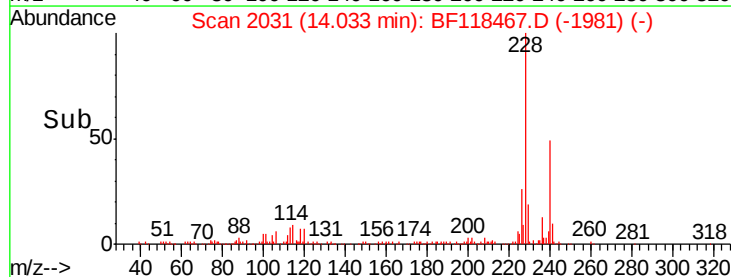
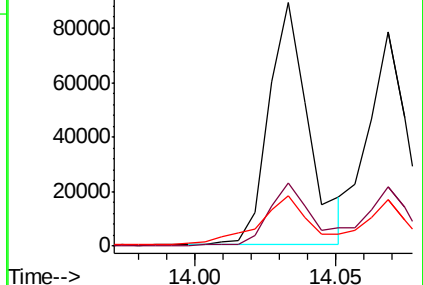
229 20.4 16.6 24.8

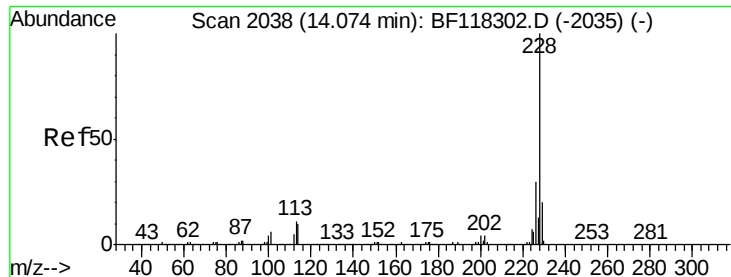


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.794 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118467.D

Acq: 3 Jan 2020 20:05

Instrument :

BNA_F

ClientSampleId :

K309-WC-01

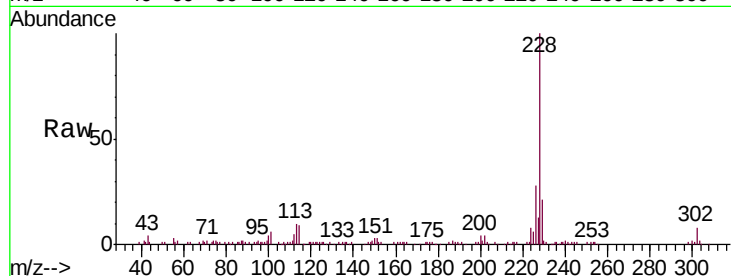
Tgt Ion:228 Resp: 73594

Ion Ratio Lower Upper

228 100

226 27.8 23.9 35.9

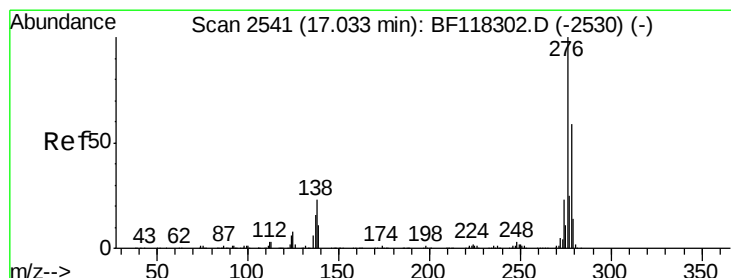
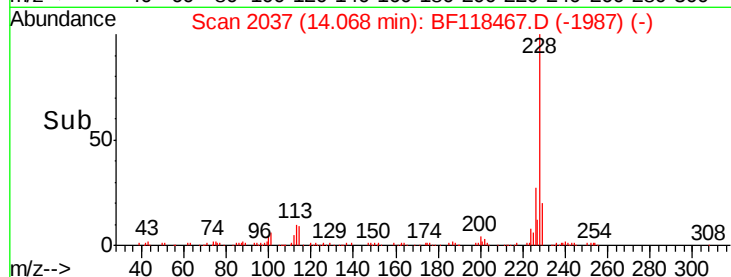
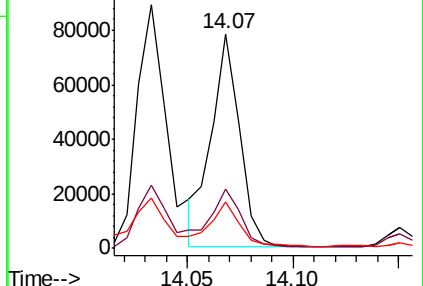
229 21.4 16.1 24.1



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: 4.771 ng

RT: 17.04 min Scan# 2543

Delta R.T. 0.01 min

Lab File: BF118467.D

Acq: 3 Jan 2020 20:05

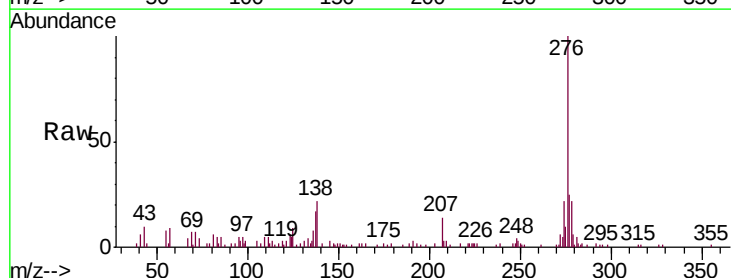
Tgt Ion:276 Resp: 51642

Ion Ratio Lower Upper

276 100

138 20.6 19.5 29.3

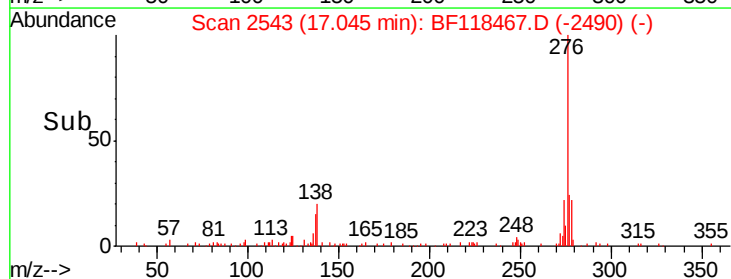
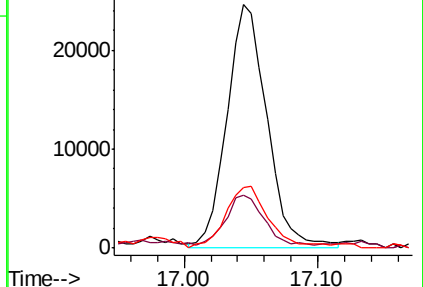
277 27.3 20.6 30.8

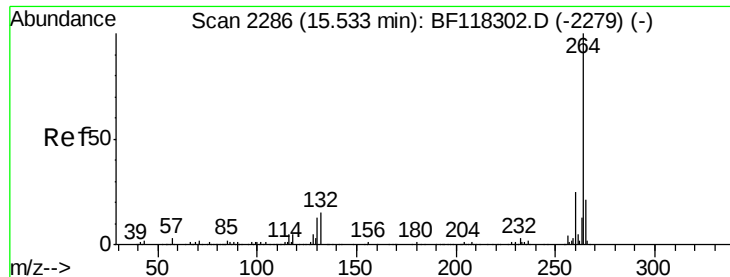


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

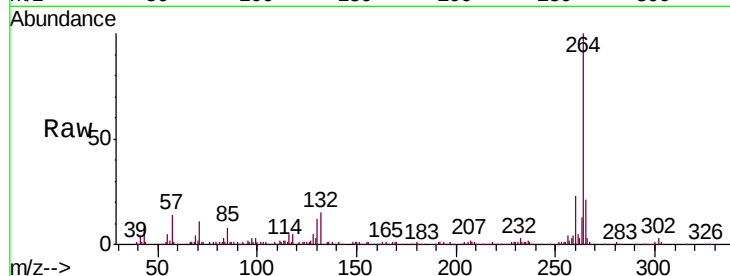




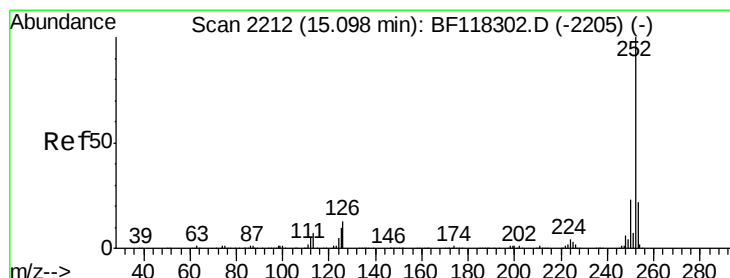
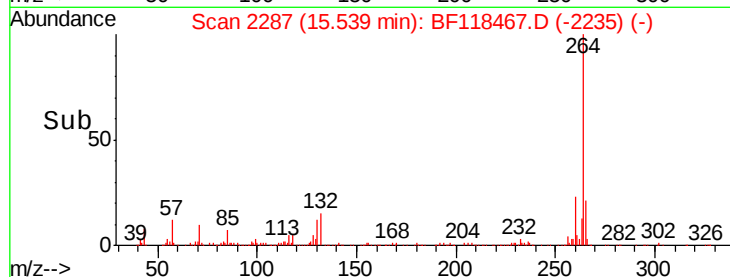
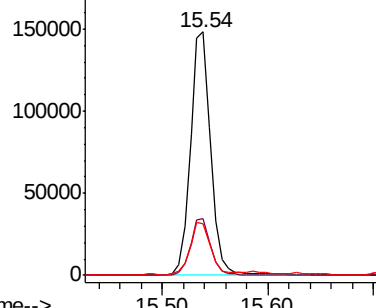
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Instrument :
BNA_F
ClientSampleId :
K309-WC-01

Tgt Ion:264 Resp: 199239
Ion Ratio Lower Upper
264 100
260 23.3 19.8 29.6
265 21.1 17.0 25.4

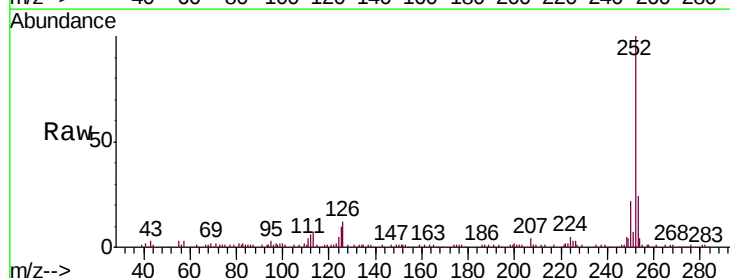


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

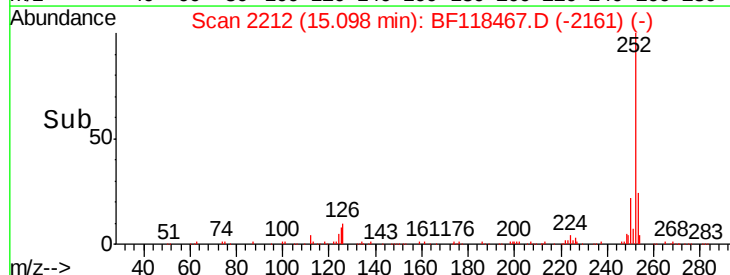
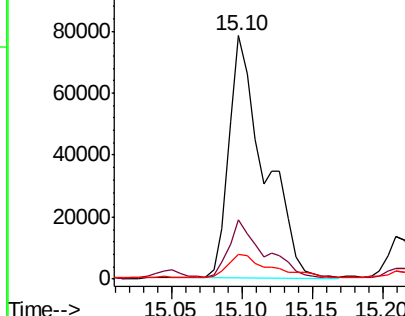


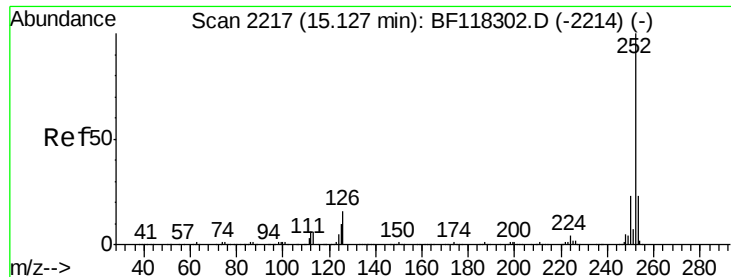
#88
Benzo(b)fluoranthene
Concen: 10.375 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion:252 Resp: 137220
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 9.9 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

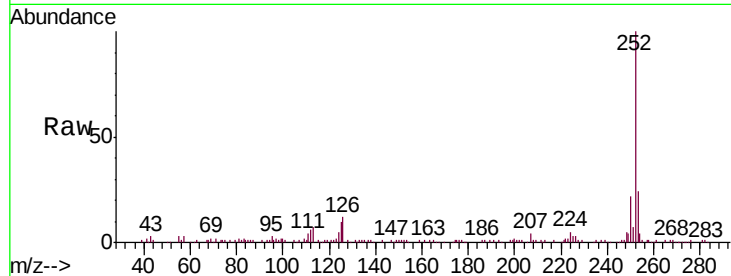




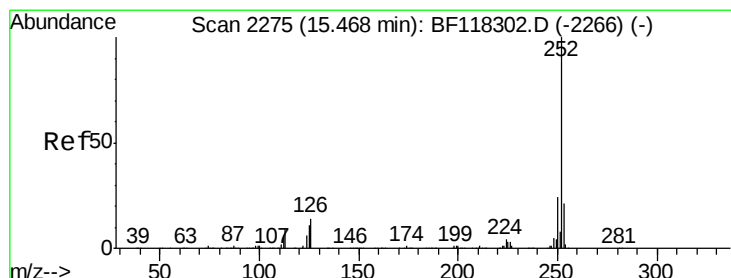
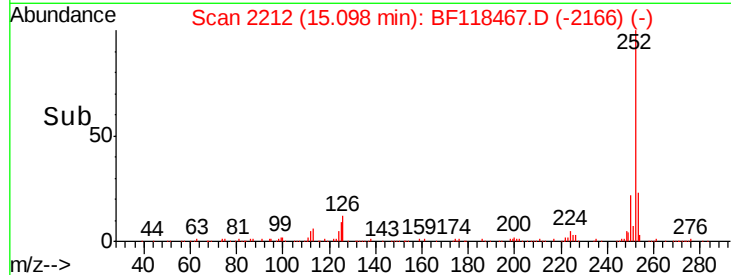
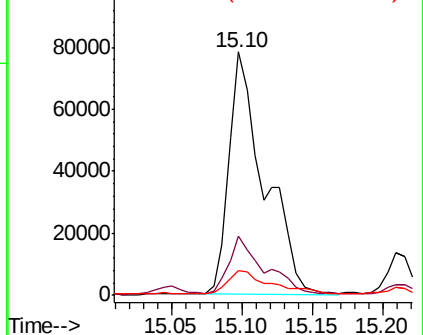
#89
Benzo(k)fluoranthene
Concen: 10.806 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.03 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Instrument :
BNA_F
ClientSampleId :
K309-WC-01

Tgt Ion:252 Resp: 137220
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 9.9 8.0 12.0

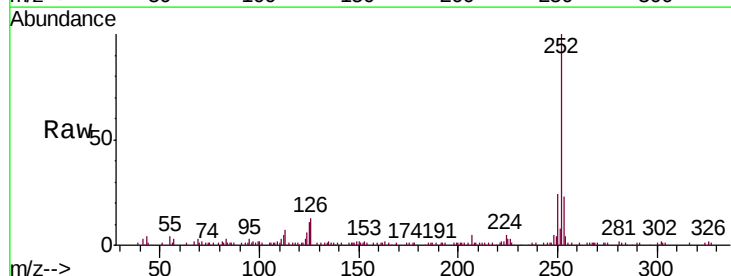


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

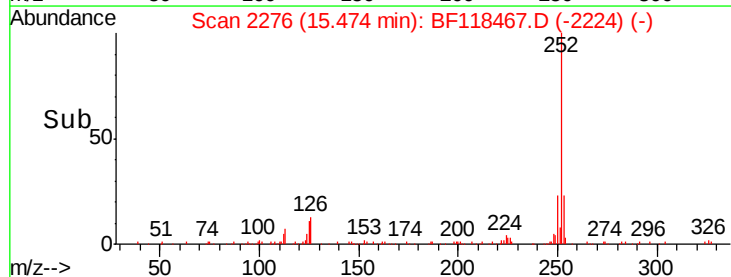
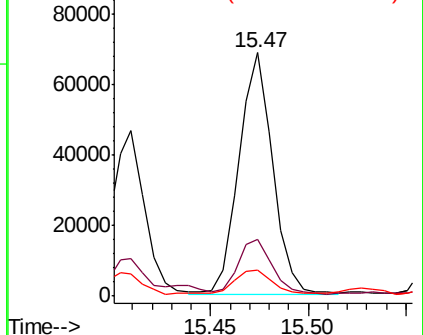


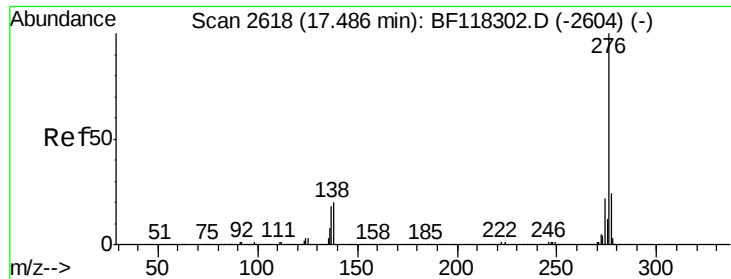
#90
Benzo(a)pyrene
Concen: 7.155 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion:252 Resp: 83364
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 10.8 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(g,h,i)perylene
 Concen: 4.853 ng
 RT: 17.50 min Scan# 2621
 Delta R.T. 0.02 min
 Lab File: BF118467.D
 Acq: 3 Jan 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 K309-WC-01

Tgt Ion: 276 Resp: 47401
 Ion Ratio Lower Upper
 276 100
 277 25.7 19.1 28.7
 138 21.8 16.1 24.1

