

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031920\
 Data File : BF119463.D
 Acq On : 20 Mar 2020 3:13
 Operator : CG/JU
 Sample : L1913-15
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MK-031220-2-5-COMP-B4

Quant Time: Mar 20 03:53:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	310019	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1080726	20.00	ng	-0.01
39) Acenaphthene-d10	9.89	164	457419	20.00	ng	-0.01
64) Phenanthrene-d10	11.38	188	782103	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	601039	20.00	ng	0.00
87) Perylene-d12	15.50	264	504326	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1726502	88.65	ng	0.00
7) Phenol-d6	6.47	99	2137421	85.92	ng	0.00
23) Nitrobenzene-d5	7.41	82	1312442	66.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	411404	87.18	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	2041162	66.11	ng	0.00
79) Terphenyl-d14	12.97	244	1981343	64.59	ng	0.00

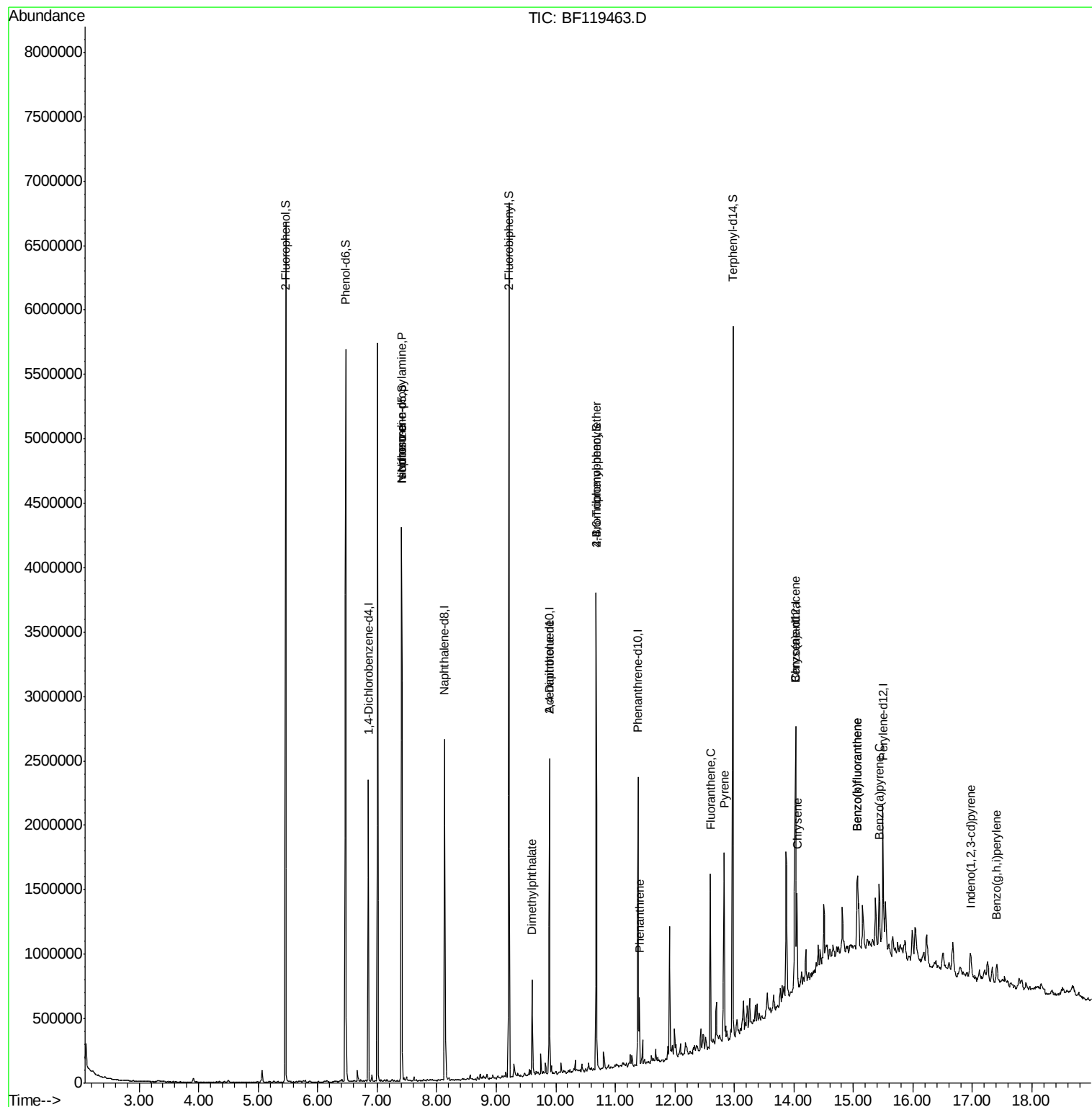
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	175257	11.69	ng	# 73
25) Isophorone	7.41	82	1309807	32.47	ng	# 66
50) Dimethylphthalate	9.60	163	248311	7.64	ng	100
57) 2,4-Dinitrotoluene	9.89	165	60545	6.90	ng	# 25
67) 4-Bromophenyl-phenylether	10.68	248	24843	2.79	ng	# 1
71) Phenanthrene	11.40	178	169498	4.18	ng	97
75) Fluoranthene	12.60	202	536564	12.23	ng	95
78) Pyrene	12.83	202	596700	12.10	ng	98
81) Benzo(a)anthracene	14.02	228	310375	7.94	ng	94
83) Chrysene	14.05	228	310047	7.69	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	123975	3.26	ng	96
88) Benzo(b)fluoranthene	15.07	252	433496	12.87	ng	# 97
89) Benzo(k)fluoranthene	15.07	252	433496	13.51	ng	# 97
90) Benzo(a)pyrene	15.43	252	232618	7.60	ng	97
92) Benzo(g,h,i)perylene	17.41	276	125741	4.67	ng	99

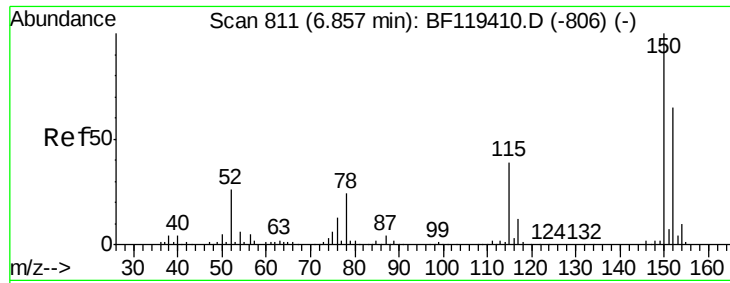
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031920\
Data File : BF119463.D
Acq On : 20 Mar 2020 3:13
Operator : CG/JU
Sample : L1913-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MK-031220-2-5-COMP-B4

Quant Time: Mar 20 03:53:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 18 15:11:18 2020
Response via : Initial Calibration

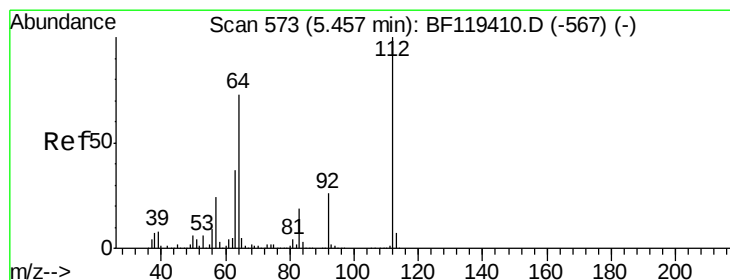
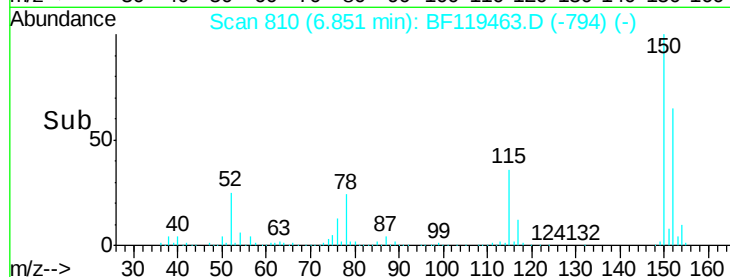
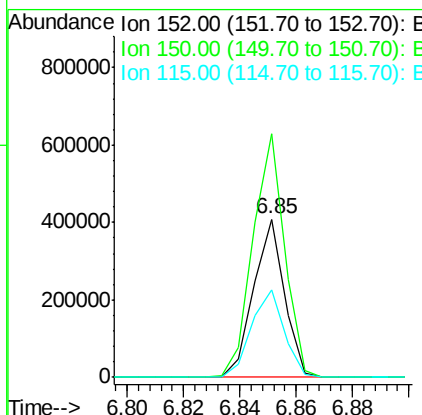
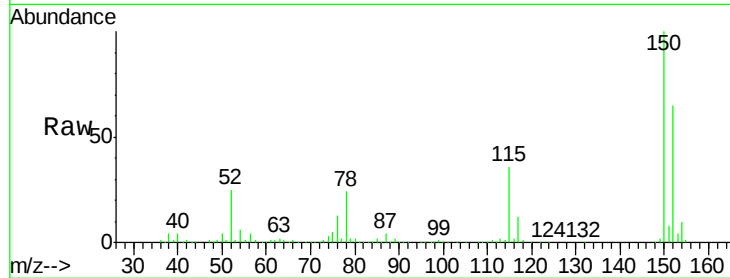




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF119463.D
 Acq: 20 Mar 2020 3:13

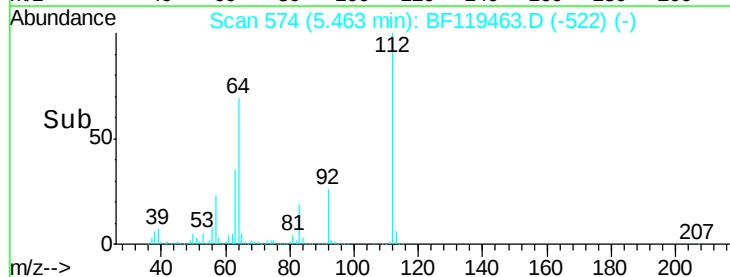
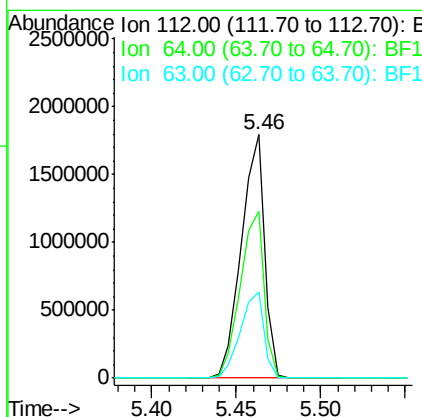
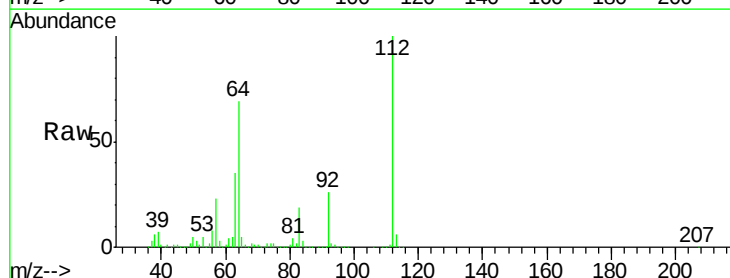
Instrument :
 BNA_F
 ClientSampleId :
 MK-031220-2-5-COMP-B4

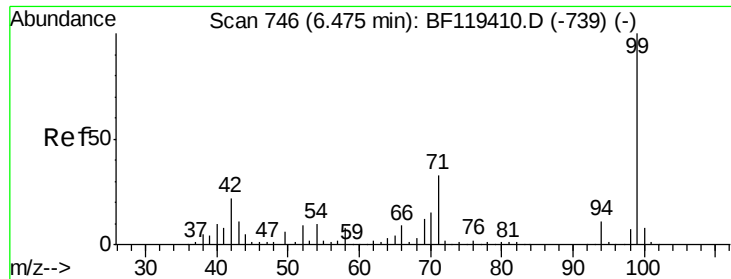
Tgt Ion:152 Resp: 310019
 Ion Ratio Lower Upper
 152 100
 150 153.9 123.9 185.9
 115 55.7 47.8 71.6



#5
 2-Fluorophenol
 Concen: 88.65 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.01 min
 Lab File: BF119463.D
 Acq: 20 Mar 2020 3:13

Tgt Ion:112 Resp: 1726502
 Ion Ratio Lower Upper
 112 100
 64 68.7 58.1 87.1
 63 35.2 29.7 44.5





#7

Phenol-d6

Concen: 85.92 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

MK-031220-2-5-COMP-B4

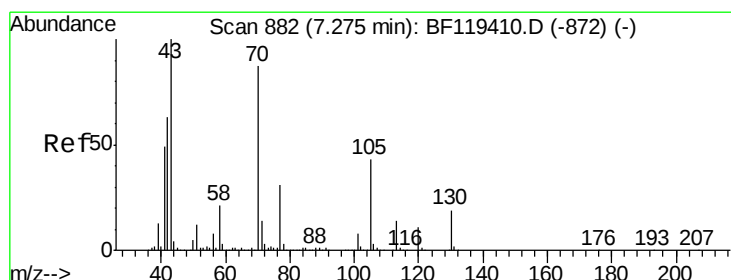
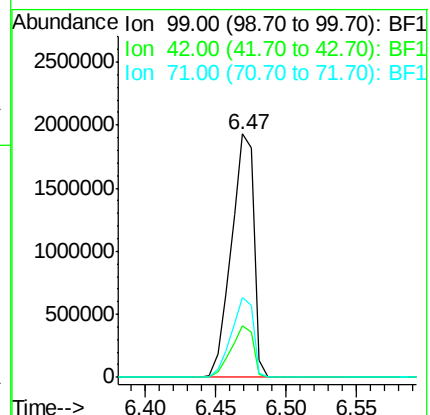
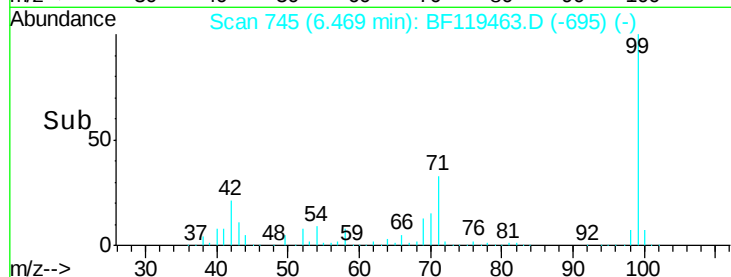
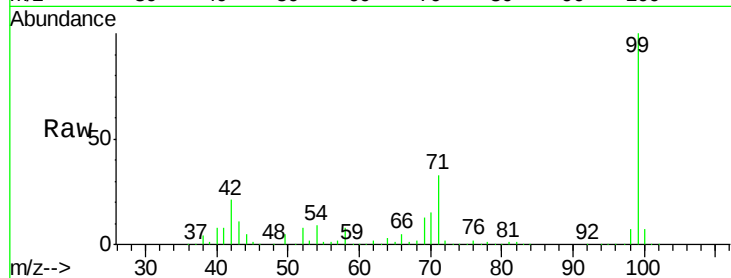
Tgt Ion: 99 Resp: 2137421

Ion Ratio Lower Upper

99 100

42 21.4 17.8 26.6

71 32.9 26.0 39.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.69 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

Tgt Ion: 70 Resp: 175257

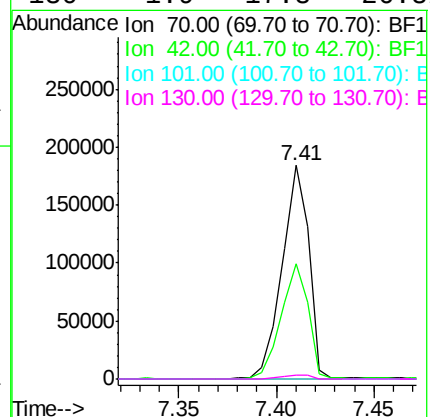
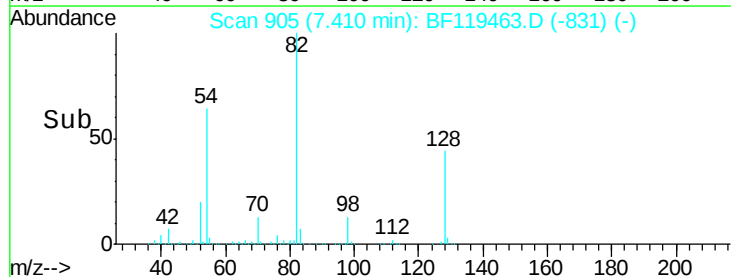
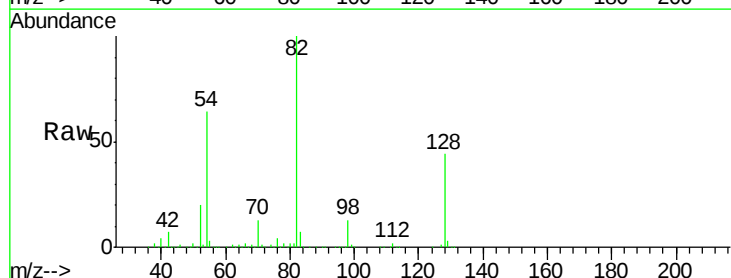
Ion Ratio Lower Upper

70 100

42 54.1 58.2 87.4#

101 0.0 7.4 11.2#

130 1.9 17.8 26.8#

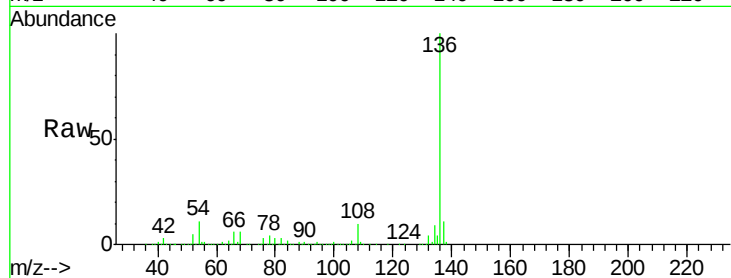




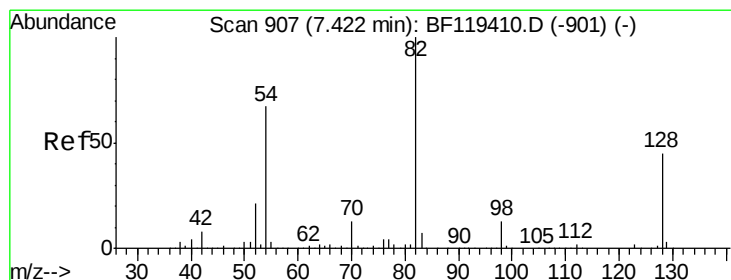
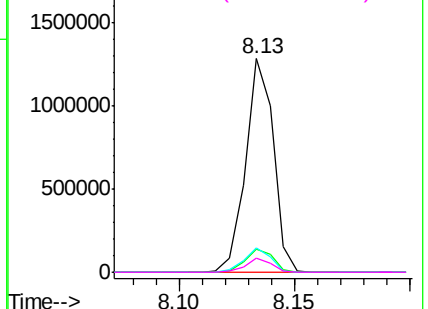
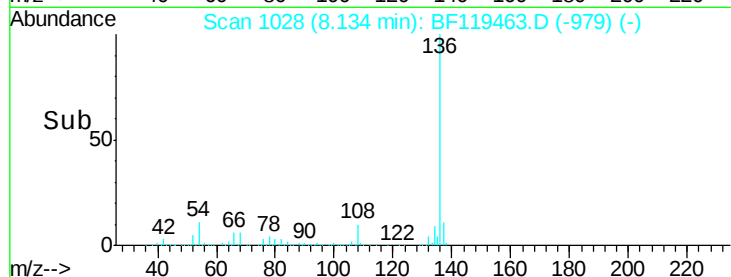
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

Instrument :
BNA_F
ClientSampleId :
MK-031220-2-5-COMP-B4

Tgt Ion: 136 Resp: 1080726
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 11.4 8.3 12.5
68 6.4 4.9 7.3

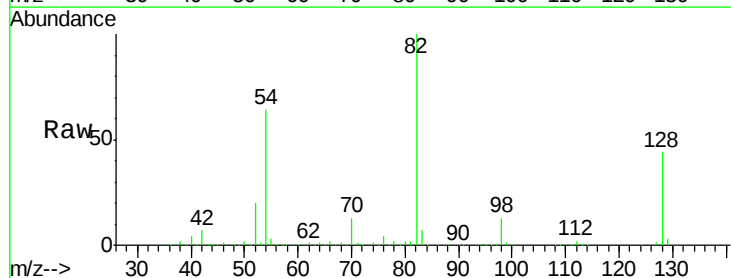


Abundance Ion 136.00 (135.70 to 136.70): E
2000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

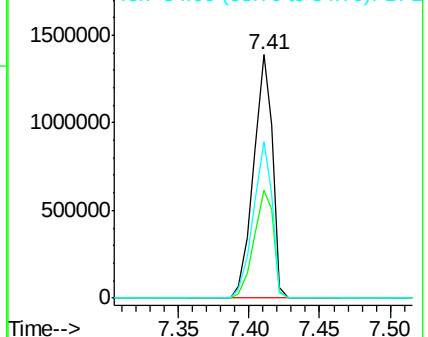
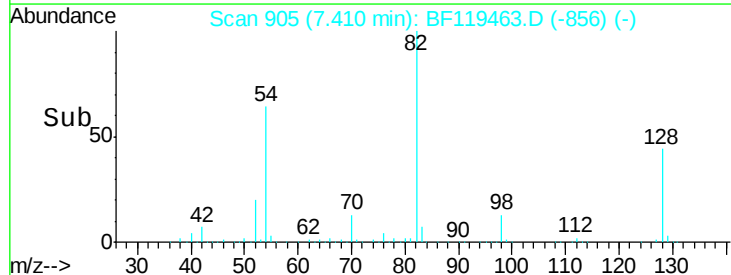


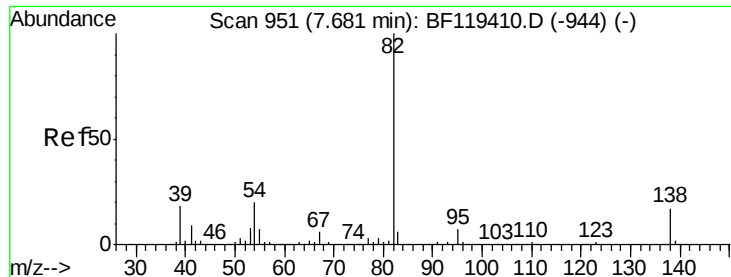
#23
Nitrobenzene-d5
Concen: 66.00 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

Tgt Ion: 82 Resp: 1312442
Ion Ratio Lower Upper
82 100
128 44.1 35.8 53.8
54 64.2 53.4 80.0



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





#25

Isophorone

Concen: 32.47 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

MK-031220-2-5-COMP-B4

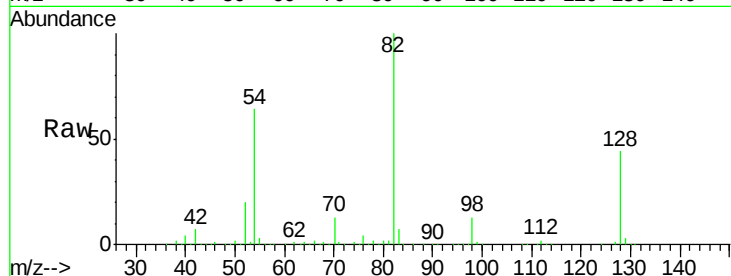
Tgt Ion: 82 Resp: 1309807

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

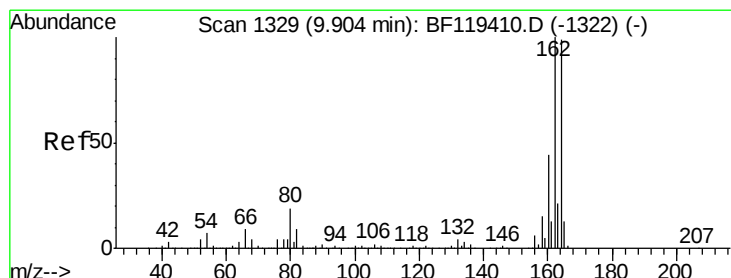
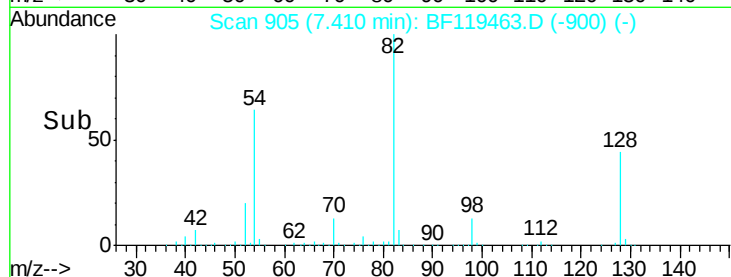
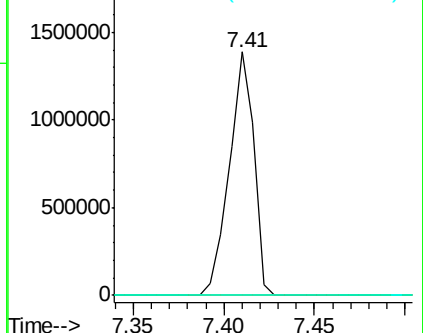
138 0.0 13.8 20.8#



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: 20.00 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

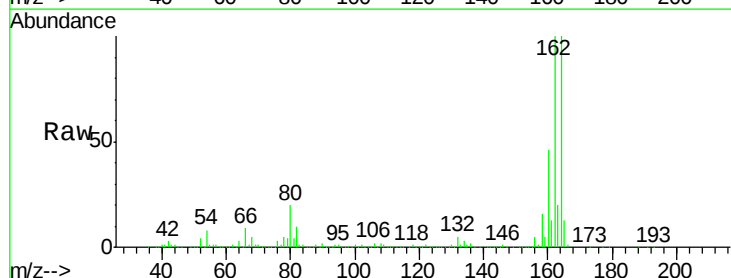
Tgt Ion: 164 Resp: 457419

Ion Ratio Lower Upper

164 100

162 99.7 80.7 121.1

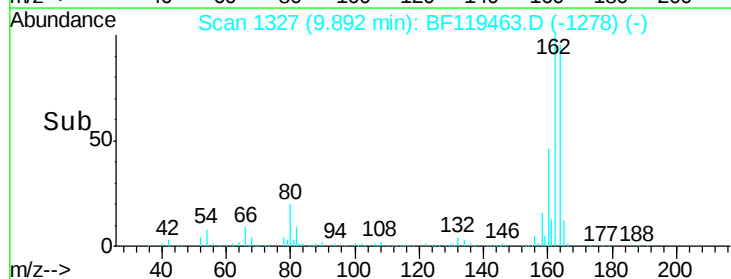
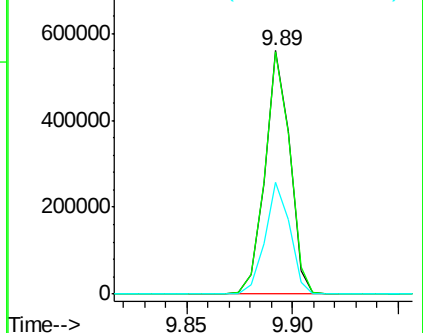
160 45.8 35.5 53.3

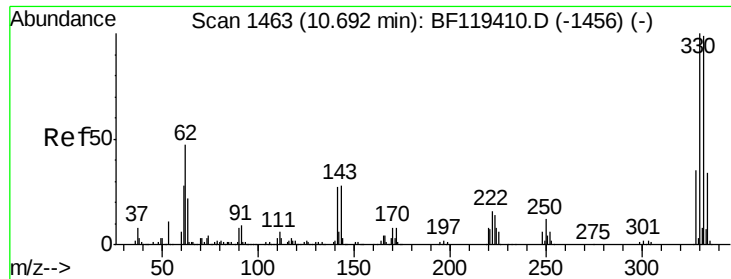


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

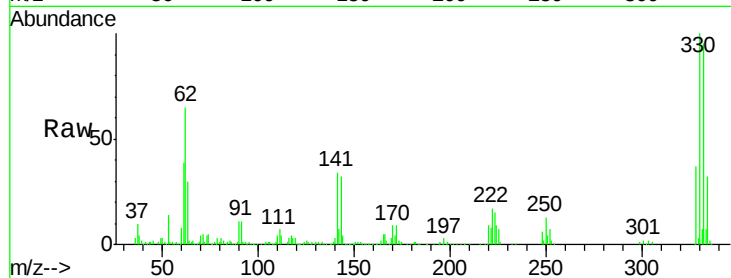




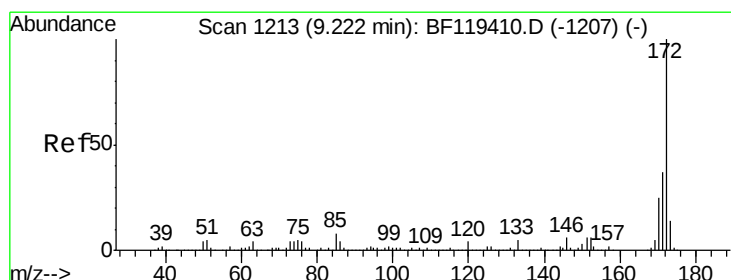
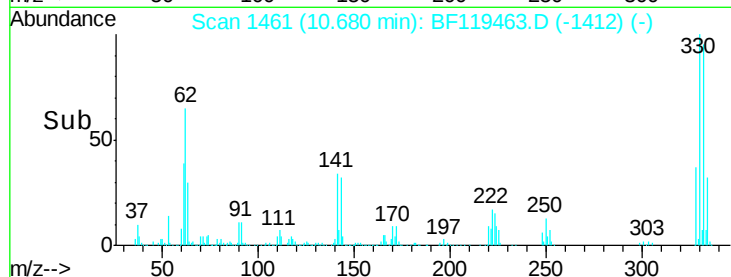
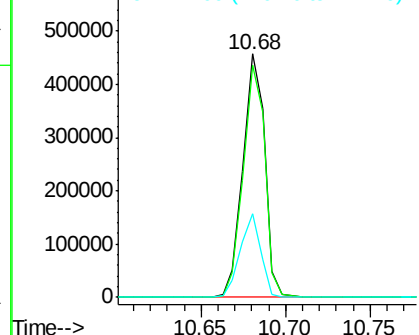
#42
 2,4,6-Tribromophenol
 Concen: 87.18 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF119463.D
 Acq: 20 Mar 2020 3:13

Instrument :
 BNA_F
 ClientSampleId :
 MK-031220-2-5-COMP-B4

Tgt Ion:330 Resp: 411404
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.6 116.4
 141 32.0 26.6 40.0

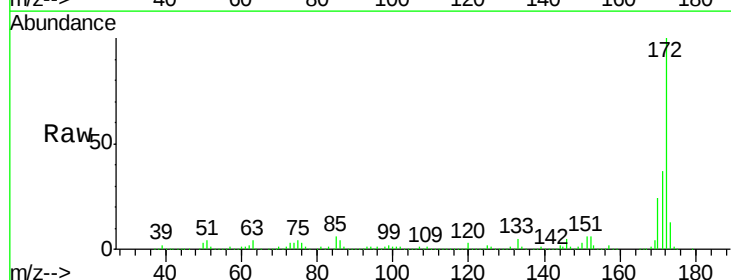


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

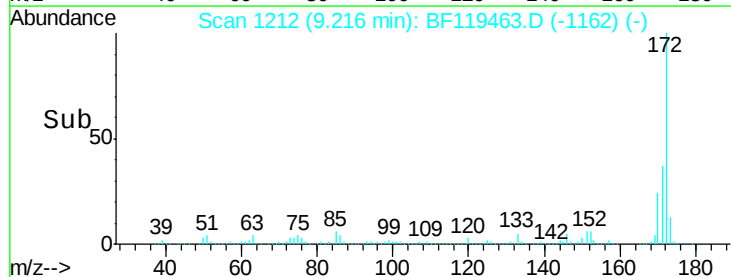
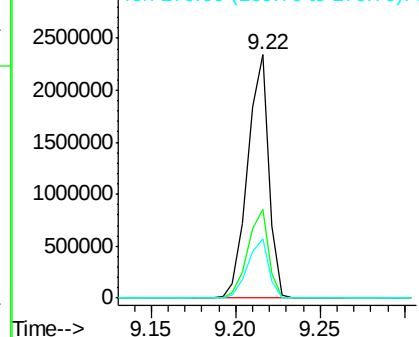


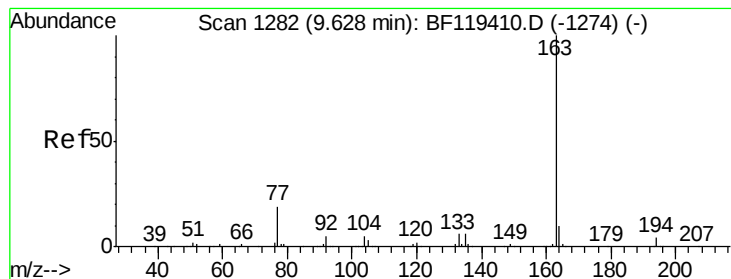
#45
 2-Fluorobiphenyl
 Concen: 66.11 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF119463.D
 Acq: 20 Mar 2020 3:13

Tgt Ion:172 Resp: 2041162
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.9 44.9
 170 24.3 20.1 30.1



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: 7.64 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

MK-031220-2-5-COMP-B4

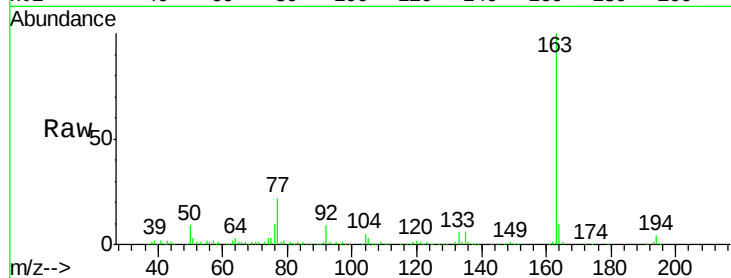
Tgt Ion:163 Resp: 248311

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

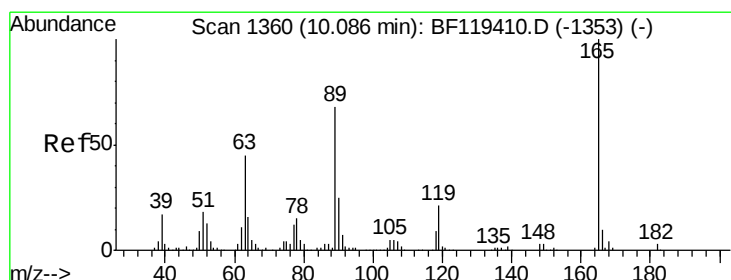
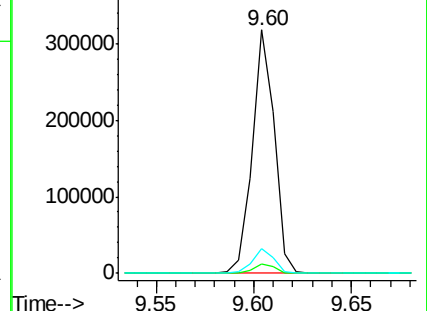
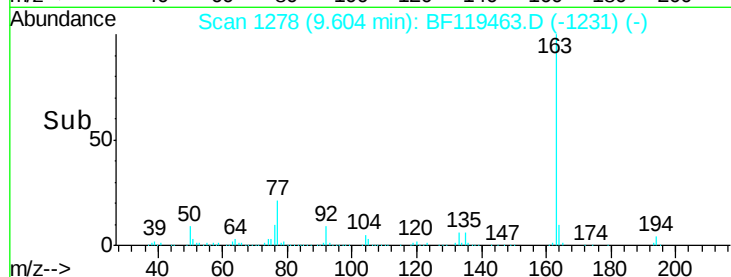
164 10.3 8.1 12.1



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



#57

2,4-Dinitrotoluene

Concen: 6.90 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

Tgt Ion:165 Resp: 60545

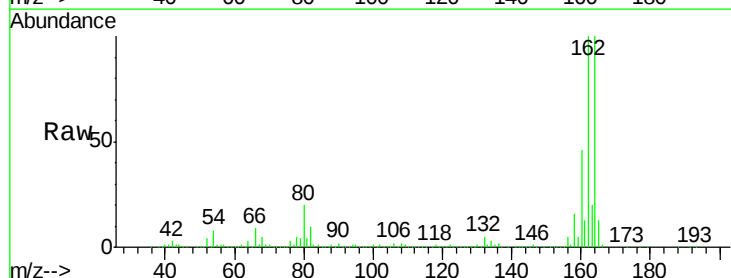
Ion Ratio Lower Upper

165 100

63 1.6 36.2 54.4#

89 1.2 54.3 81.5#

182 0.0 2.0 3.0#

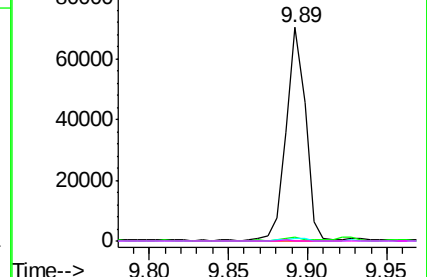
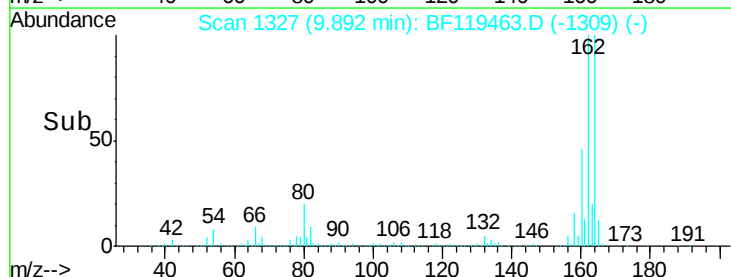


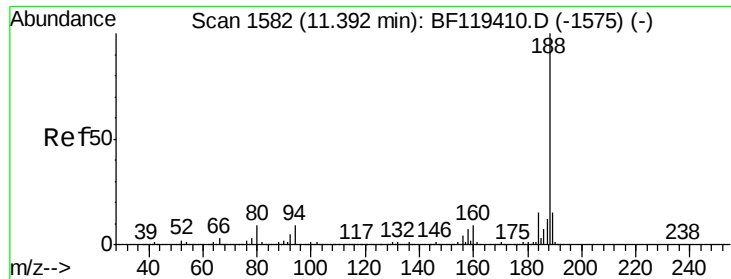
Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

MK-031220-2-5-COMP-B4

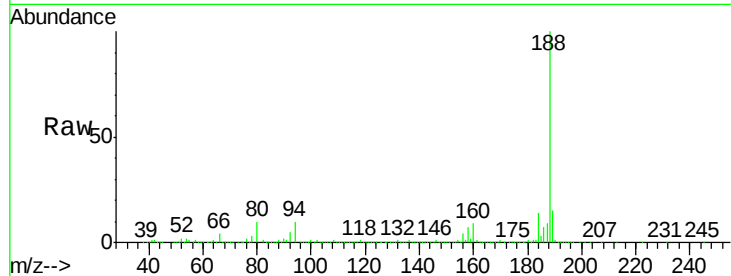
Tgt Ion:188 Resp: 782103

Ion Ratio Lower Upper

188 100

94 10.0 7.1 10.7

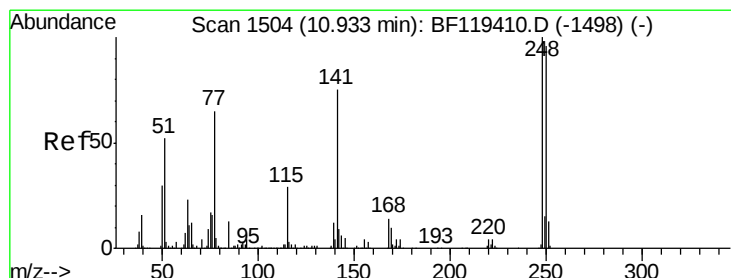
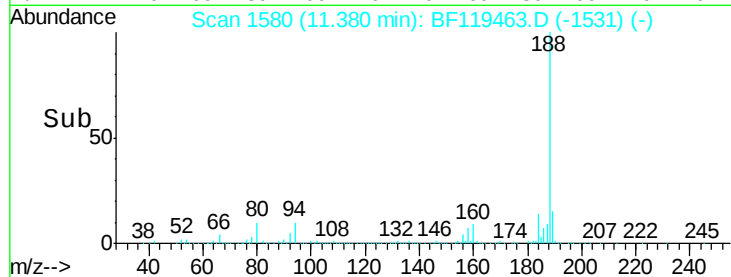
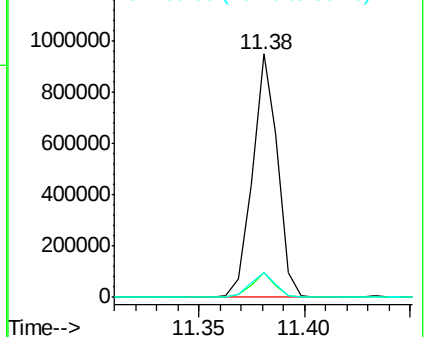
80 10.2 7.5 11.3



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: 2.79 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.25 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

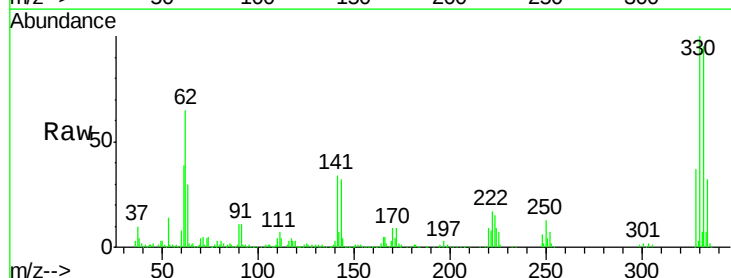
Tgt Ion:248 Resp: 24843

Ion Ratio Lower Upper

248 100

250 214.3 77.0 115.6#

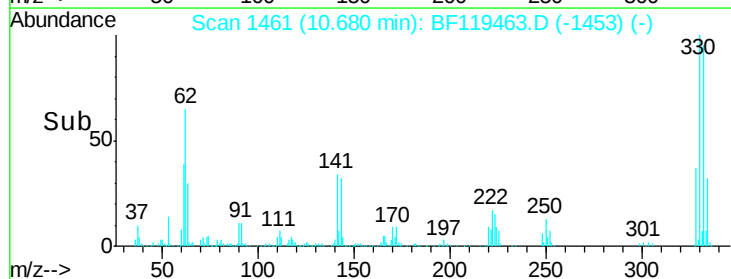
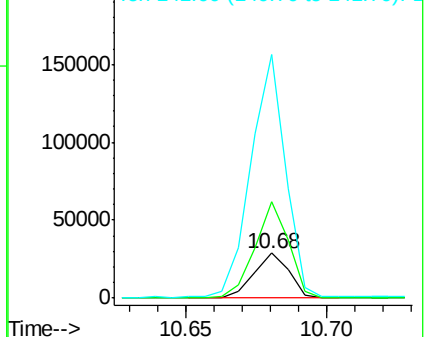
141 543.2 59.7 89.5#

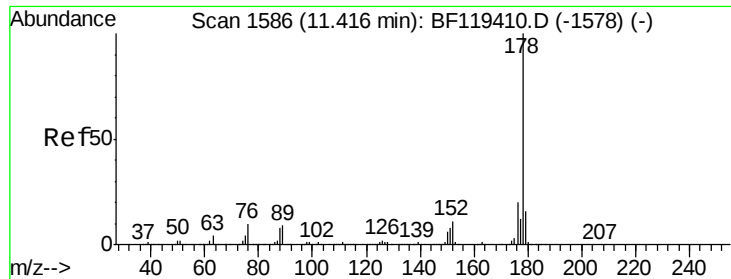


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 4.18 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

MK-031220-2-5-COMP-B4

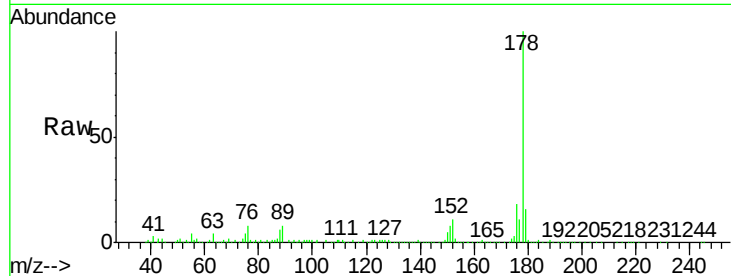
Tgt Ion:178 Resp: 169498

Ion Ratio Lower Upper

178 100

176 18.1 16.2 24.4

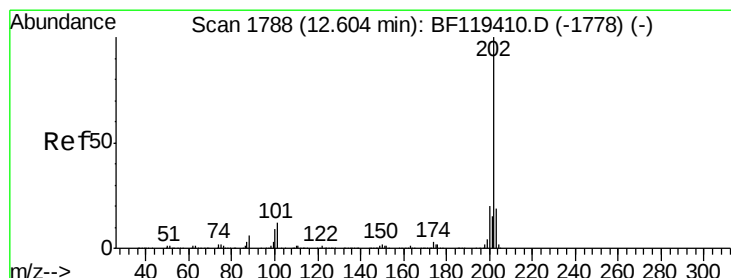
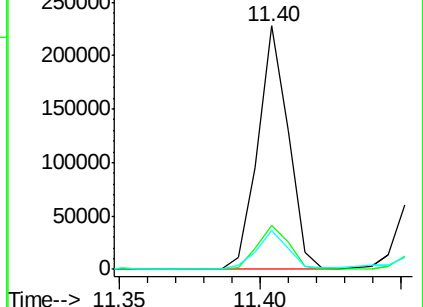
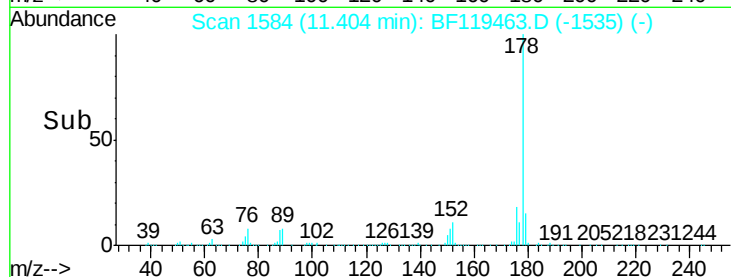
179 15.7 12.9 19.3



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: 12.23 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

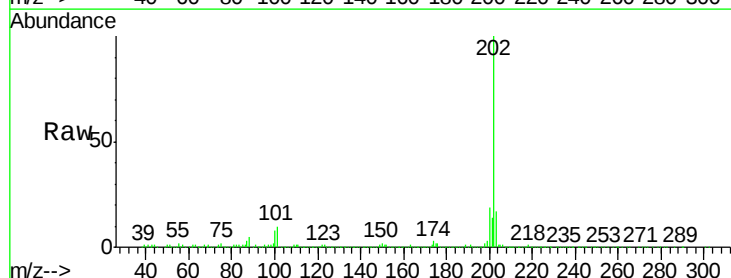
Tgt Ion:202 Resp: 536564

Ion Ratio Lower Upper

202 100

101 9.5 0.0 32.4

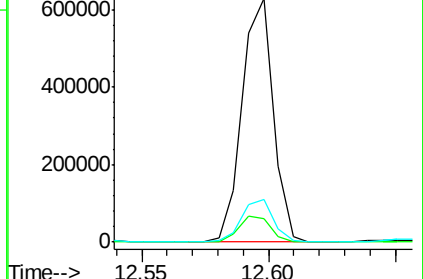
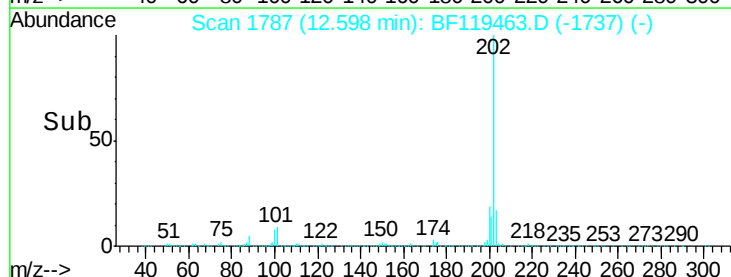
203 17.3 0.0 38.5

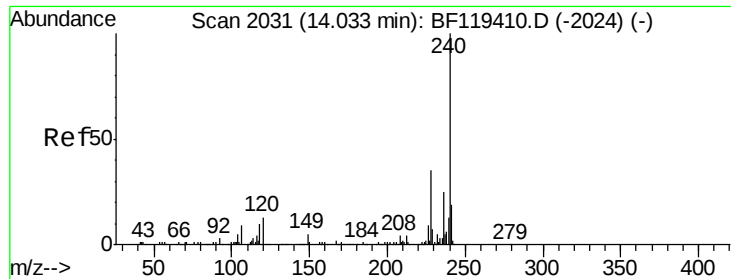


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

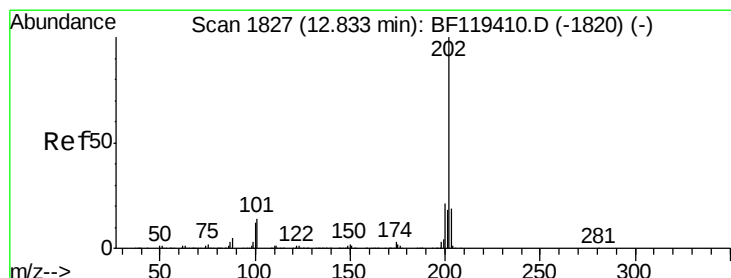
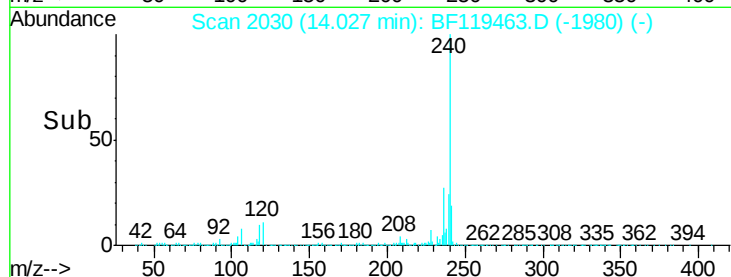
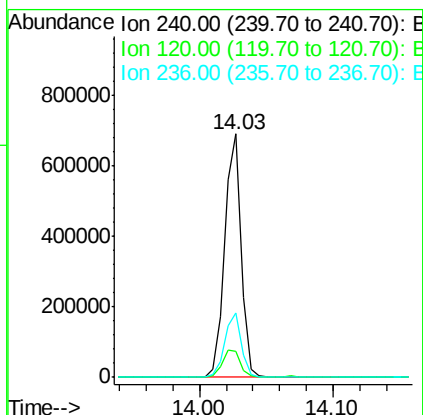
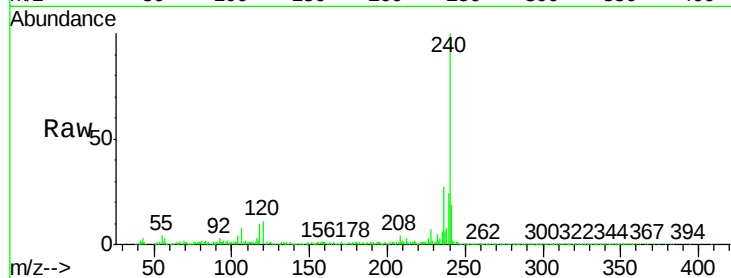




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

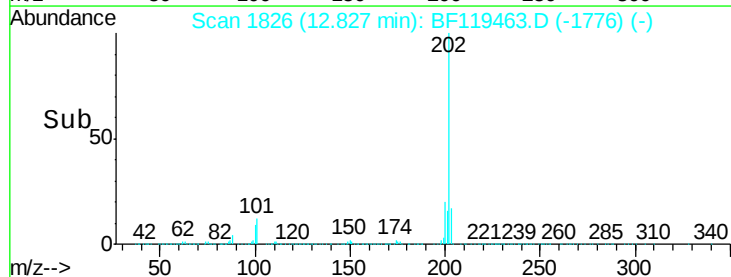
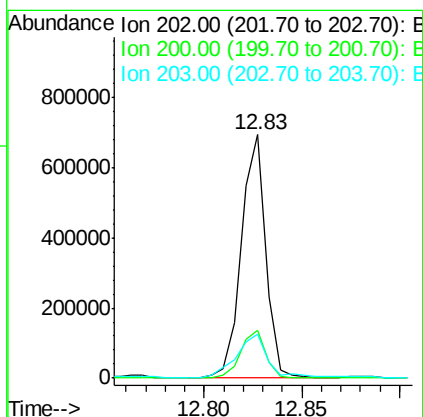
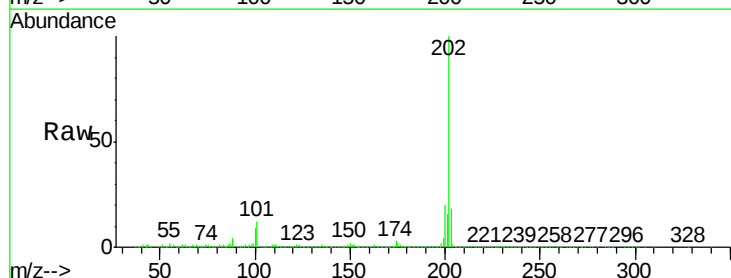
Instrument :
BNA_F
ClientSampleId :
MK-031220-2-5-COMP-B4

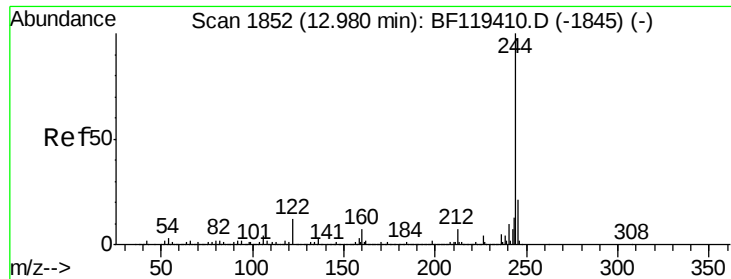
Tgt Ion:240 Resp: 601039
Ion Ratio Lower Upper
240 100
120 10.8 10.2 15.4
236 26.7 20.4 30.6



#78
Pyrene
Concen: 12.10 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

Tgt Ion:202 Resp: 596700
Ion Ratio Lower Upper
202 100
200 19.7 16.8 25.2
203 17.9 14.8 22.2

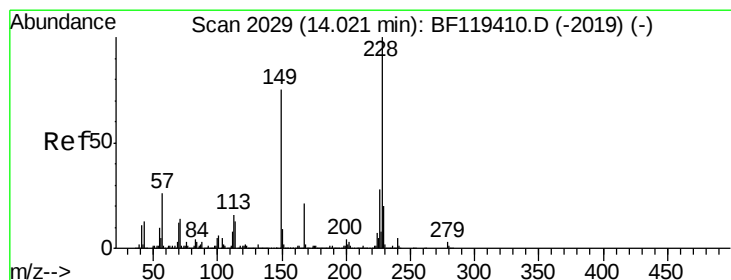
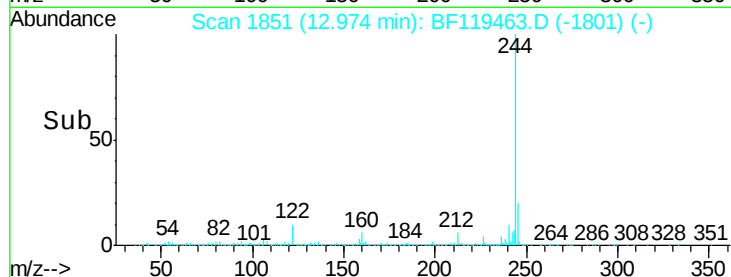
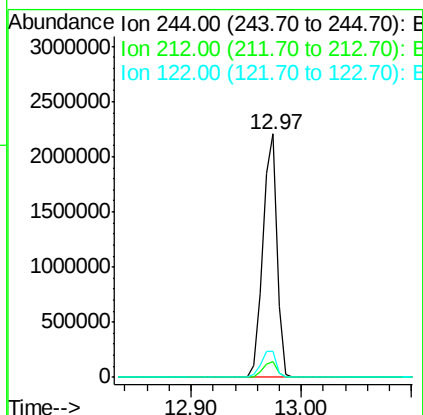
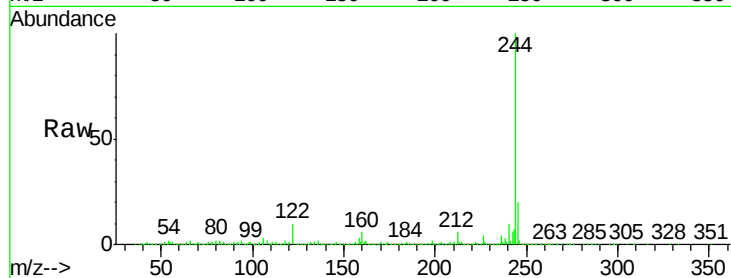




#79
 Terphenyl-d14
 Concen: 64.59 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF119463.D
 Acq: 20 Mar 2020 3:13

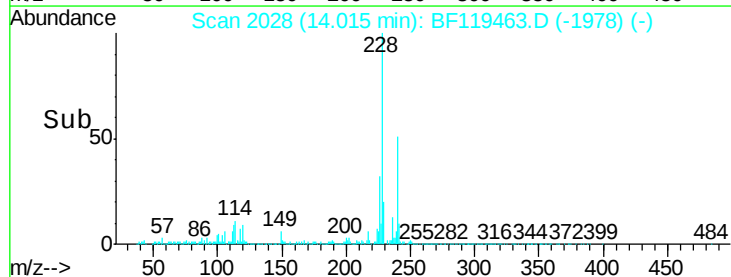
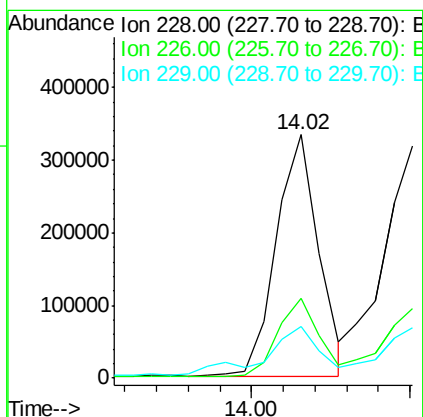
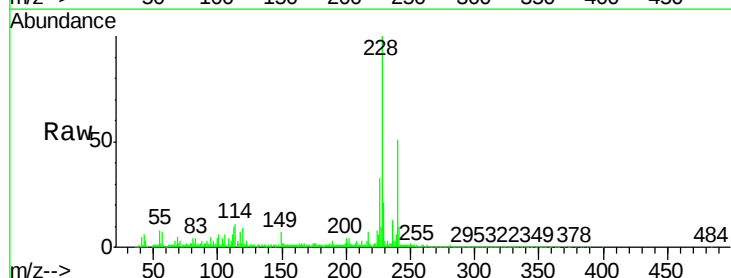
Instrument :
 BNA_F
 ClientSampleId :
 MK-031220-2-5-COMP-B4

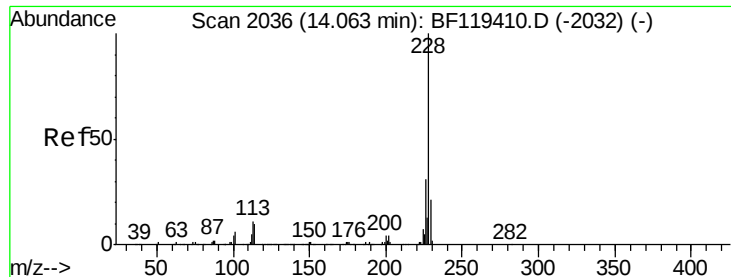
Tgt Ion:244 Resp: 1981343
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.7 8.5
 122 10.5 9.8 14.8



#81
 Benzo(a)anthracene
 Concen: 7.94 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF119463.D
 Acq: 20 Mar 2020 3:13

Tgt Ion:228 Resp: 310375
 Ion Ratio Lower Upper
 228 100
 226 32.7 22.3 33.5
 229 21.1 16.3 24.5





#83

Chrysene

Concen: 7.69 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

MK-031220-2-5-COMP-B4

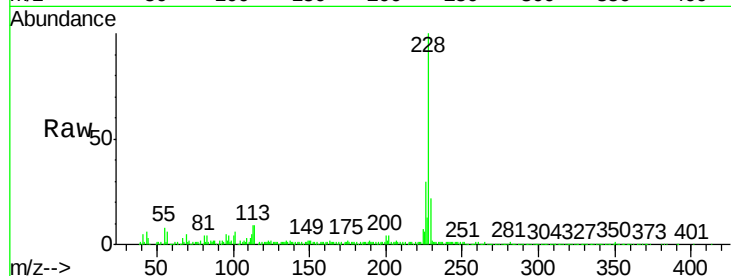
Tgt Ion:228 Resp: 310047

Ion Ratio Lower Upper

228 100

226 29.9 24.8 37.2

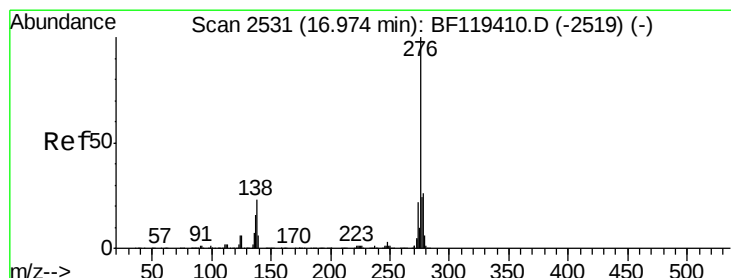
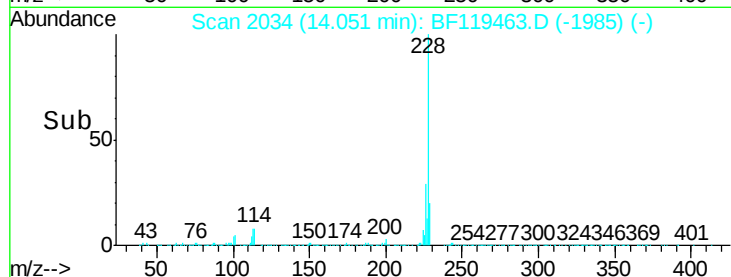
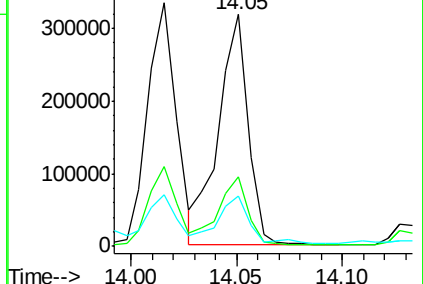
229 21.9 16.6 25.0



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: 3.26 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

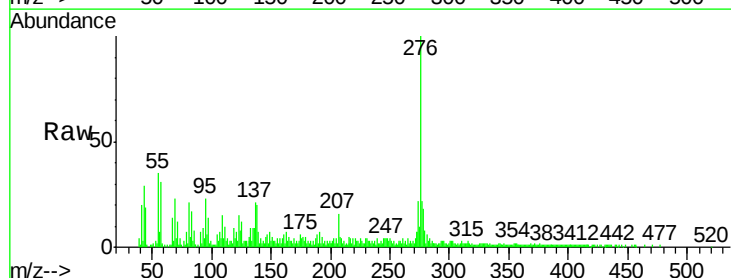
Tgt Ion:276 Resp: 123975

Ion Ratio Lower Upper

276 100

138 22.1 21.3 31.9

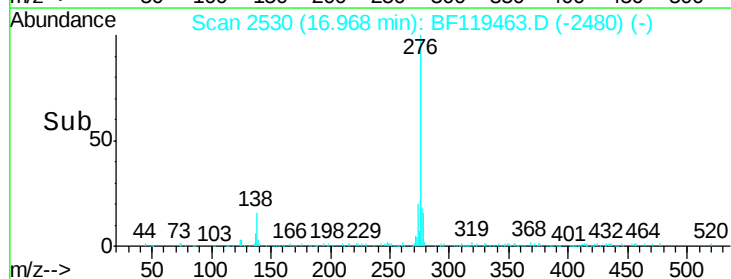
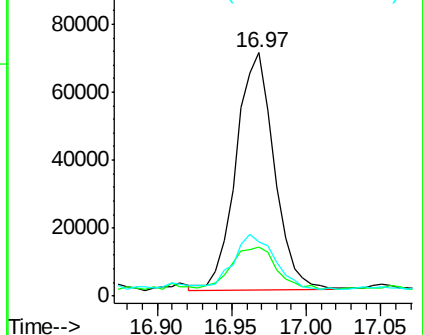
277 25.2 20.2 30.2

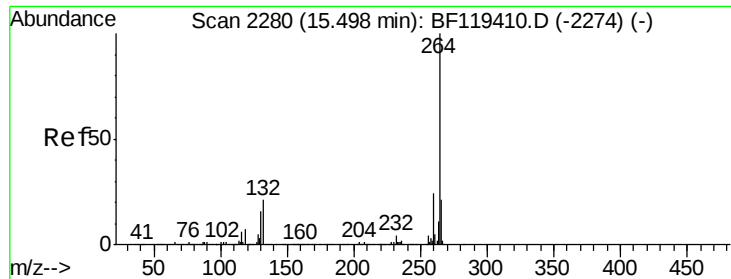


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

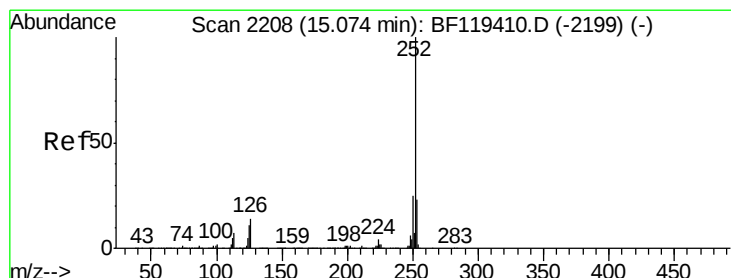
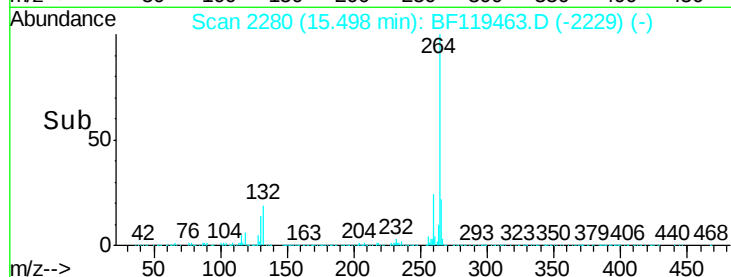
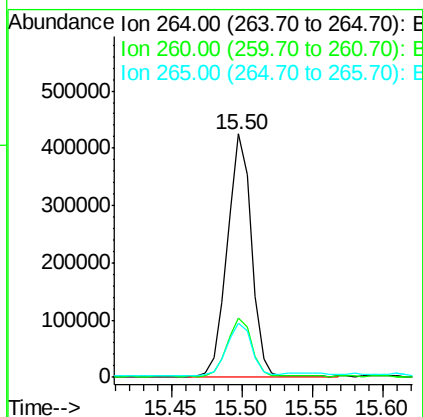
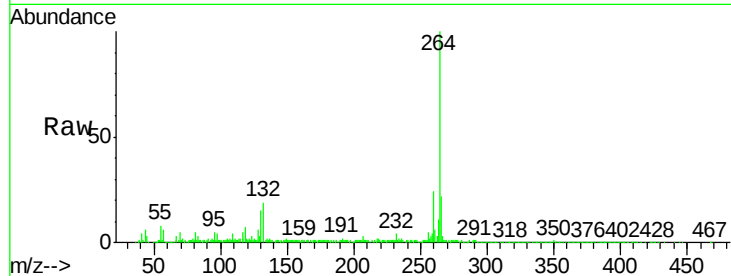




#87
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

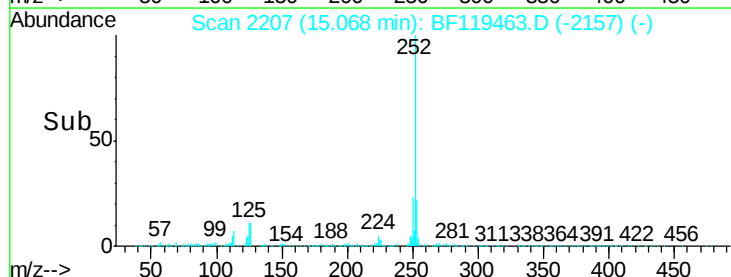
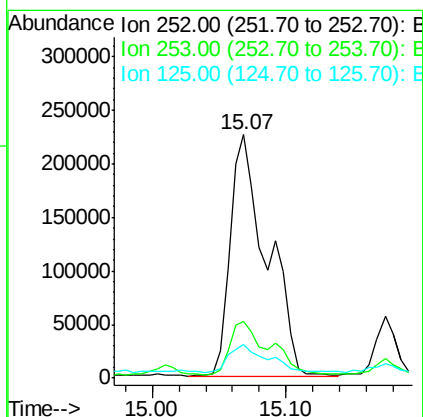
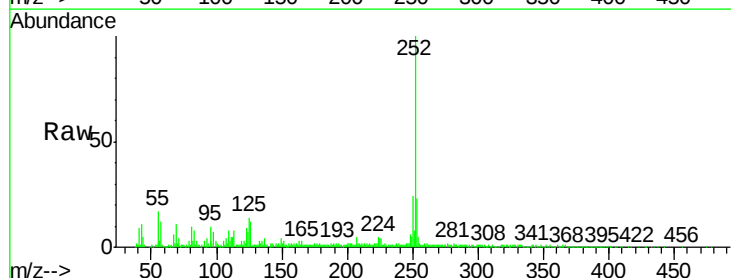
Instrument :
BNA_F
ClientSampleId :
MK-031220-2-5-COMP-B4

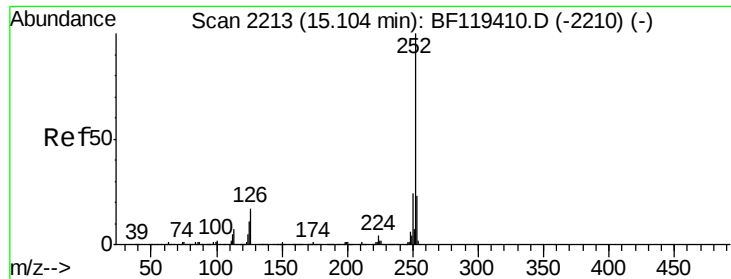
Tgt Ion: 264 Resp: 504326
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 22.1 16.9 25.3



#88
Benzo(b)fluoranthene
Concen: 12.87 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

Tgt Ion: 252 Resp: 433496
Ion Ratio Lower Upper
252 100
253 23.4 18.2 27.4
125 14.0 8.8 13.2#





#89

Benzo(k)fluoranthene

Concen: 13.51 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.04 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

MK-031220-2-5-COMP-B4

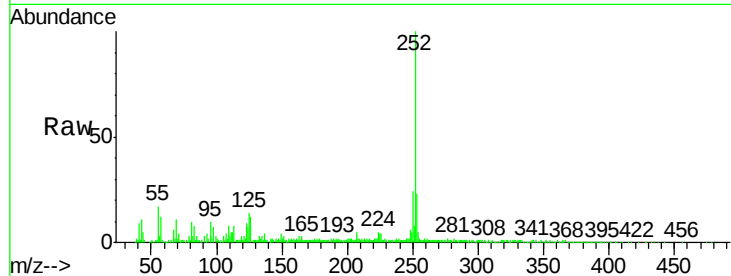
Tgt Ion:252 Resp: 433496

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.4

125 14.0 9.0 13.4#

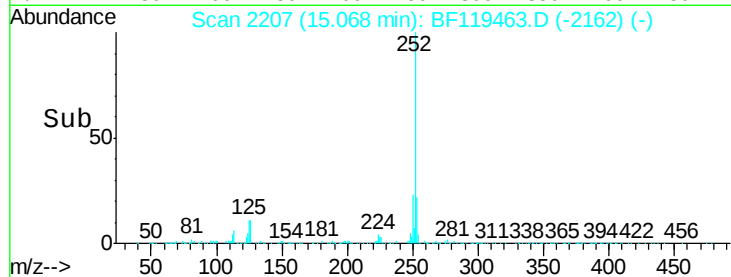


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



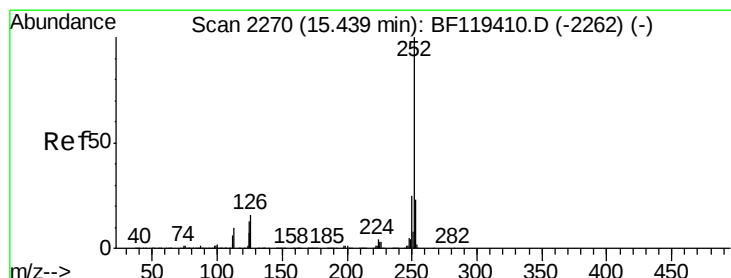
Abundance

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

Time-->



#90

Benzo(a)pyrene

Concen: 7.60 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

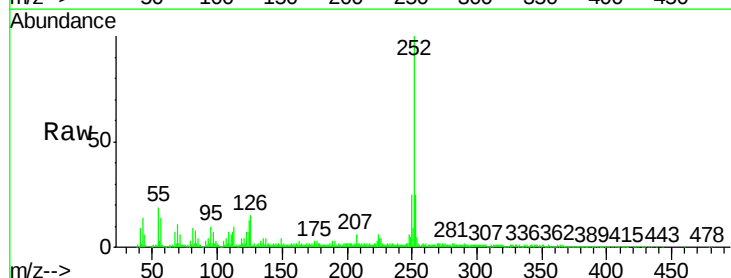
Tgt Ion:252 Resp: 232618

Ion Ratio Lower Upper

252 100

253 24.8 18.2 27.4

125 13.4 10.2 15.2

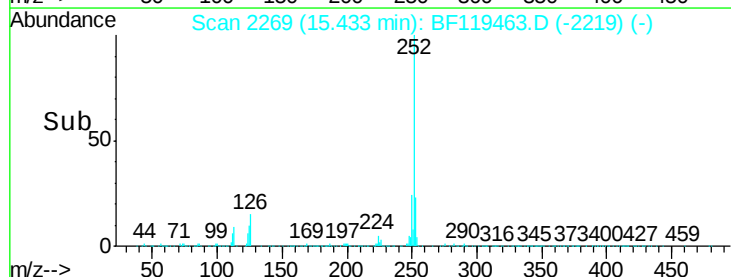


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



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

Time-->