

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031920\
 Data File : BF119453.D
 Acq On : 19 Mar 2020 22:22
 Operator : CG/JU
 Sample : L1913-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MK-031220-0-2-COMP-B1

Quant Time: Mar 20 03:51:25 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

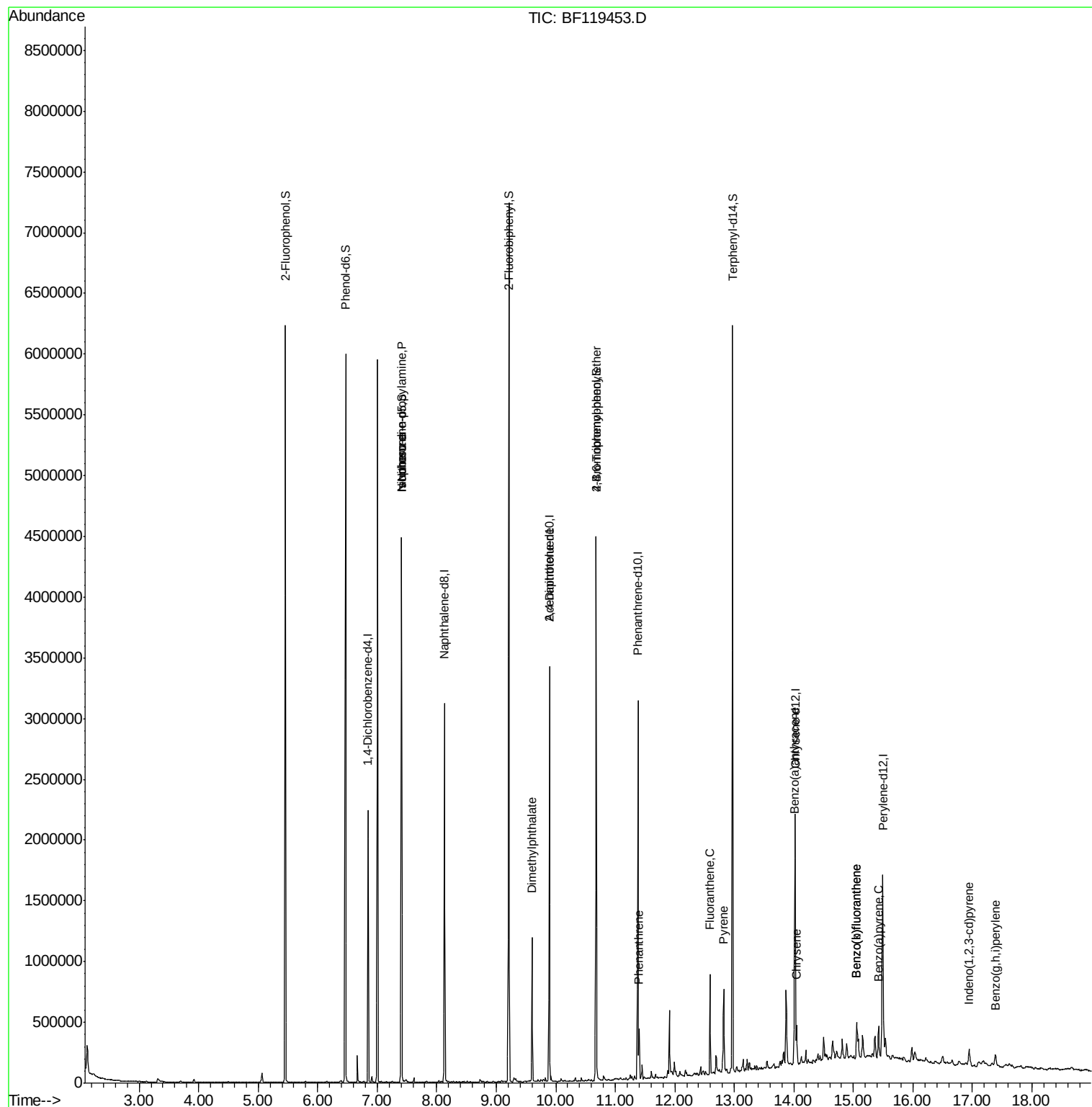
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	329970	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	1254764	20.00	ng	-0.01
39) Acenaphthene-d10	9.89	164	636475	20.00	ng	-0.01
64) Phenanthrene-d10	11.38	188	1120408	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	609319	20.00	ng	-0.01
87) Perylene-d12	15.49	264	693285	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1710355	82.51	ng	0.00
7) Phenol-d6	6.47	99	2140054	80.82	ng	0.00
23) Nitrobenzene-d5	7.41	82	1336747	57.90	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	526361	80.16	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	2362174	54.98	ng	-0.01
79) Terphenyl-d14	12.97	244	2088140	67.14	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	174095	10.91	ng	# 74
25) Isophorone	7.41	82	1334544	28.50	ng	# 66
50) Dimethylphthalate	9.60	163	403945	8.94	ng	100
57) 2,4-Dinitrotoluene	9.89	165	83265	6.82	ng	# 25
67) 4-Bromophenyl-phenylether	10.68	248	31862	2.50	ng	# 1
71) Phenanthrene	11.40	178	154919	2.67	ng	95
75) Fluoranthene	12.59	202	300048	4.77	ng	96
78) Pyrene	12.82	202	268788	5.38	ng	97
81) Benzo(a)anthracene	14.01	228	134971	3.41	ng	99
83) Chrysene	14.04	228	115344	2.82	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	84226	2.19	ng	# 93
88) Benzo(b)fluoranthene	15.06	252	219183	4.73	ng	99
89) Benzo(k)fluoranthene	15.06	252	219183	4.97	ng	99
90) Benzo(a)pyrene	15.42	252	118130	2.81	ng	98
92) Benzo(g,h,i)perylene	17.39	276	80926	2.19	ng	95

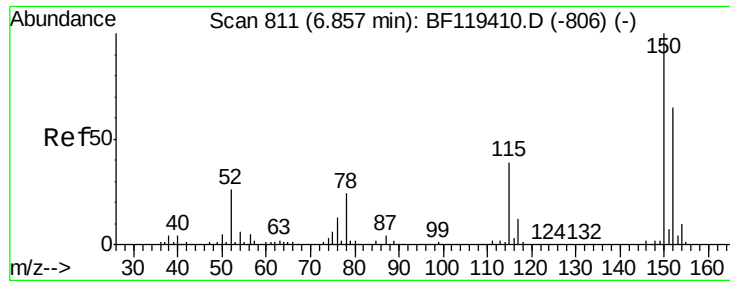
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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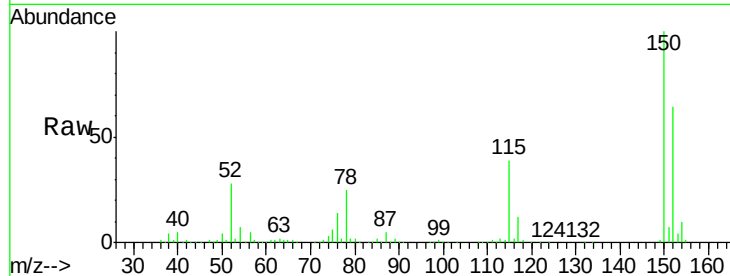




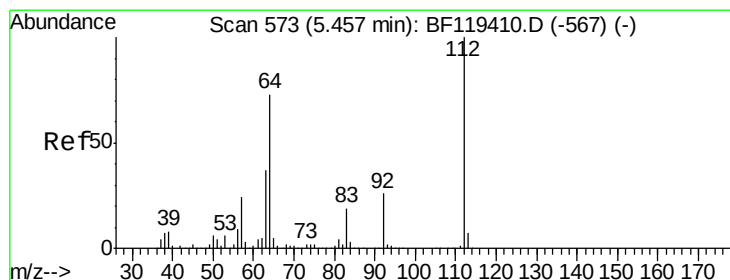
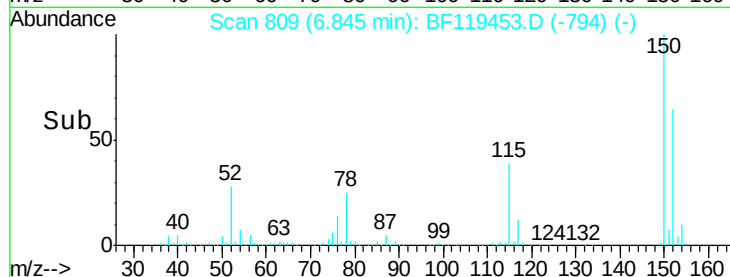
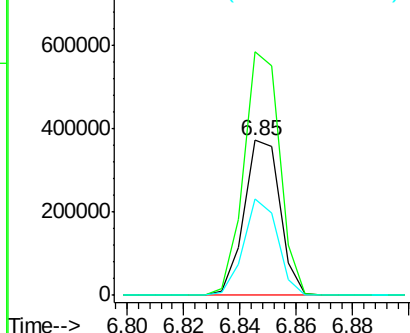
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF119453.D
 Acq: 19 Mar 2020 22:22

Instrument :
 BNA_F
 ClientSampleId :
 MK-031220-0-2-COMP-B1

Tgt Ion:152 Resp: 329970
 Ion Ratio Lower Upper
 152 100
 150 157.1 123.9 185.9
 115 62.0 47.8 71.6

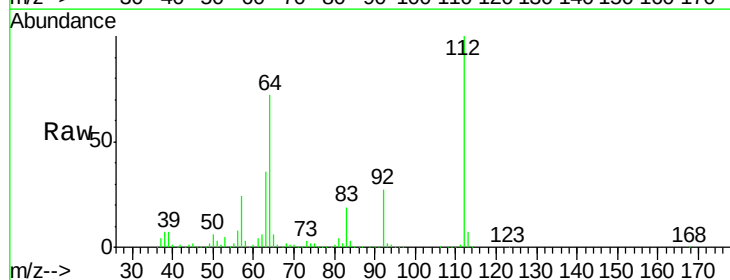


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

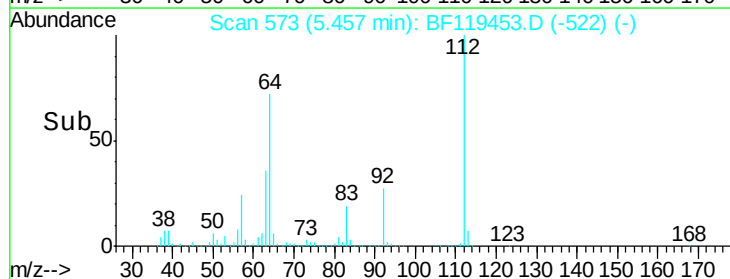
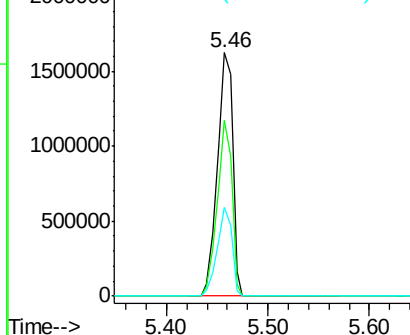


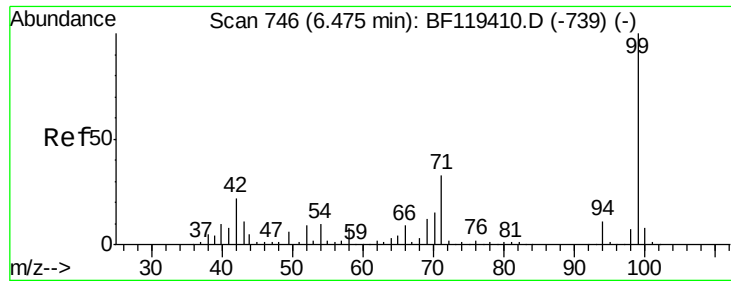
#5
 2-Fluorophenol
 Concen: 82.51 ng
 RT: 5.46 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: BF119453.D
 Acq: 19 Mar 2020 22:22

Tgt Ion:112 Resp: 1710355
 Ion Ratio Lower Upper
 112 100
 64 72.0 58.1 87.1
 63 36.5 29.7 44.5



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: 80.82 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF119453.D

Acq: 19 Mar 2020 22:22

Instrument :

BNA_F

ClientSampleId :

MK-031220-0-2-COMP-B1

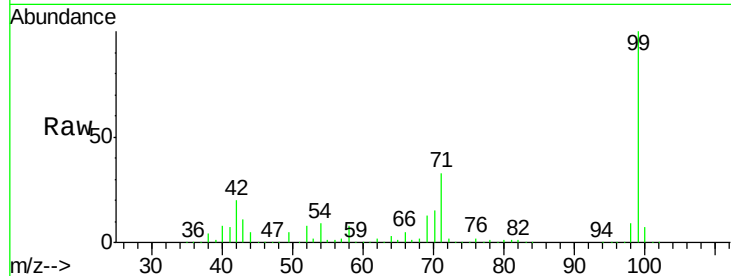
Tgt Ion: 99 Resp: 2140054

Ion Ratio Lower Upper

99 100

42 20.2 17.8 26.6

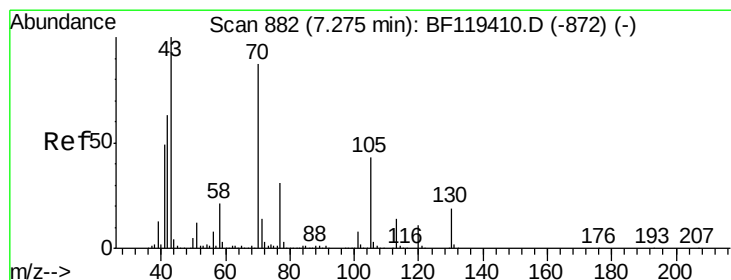
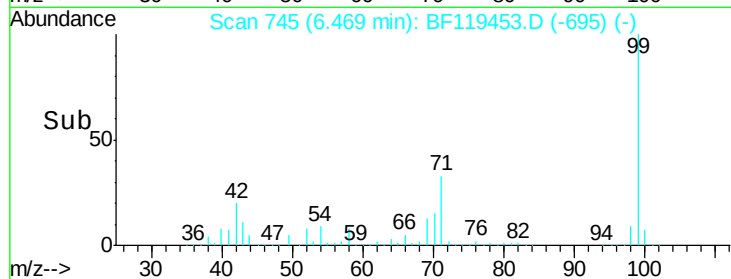
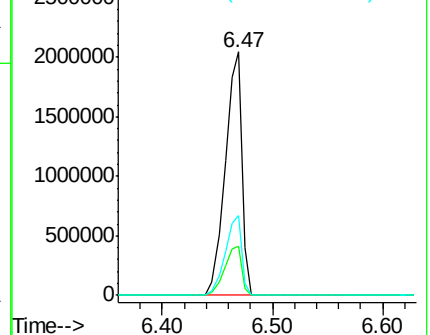
71 32.8 26.0 39.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.91 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF119453.D

Acq: 19 Mar 2020 22:22

Tgt Ion: 70 Resp: 174095

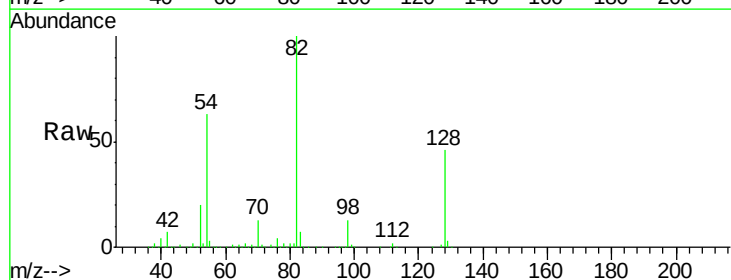
Ion Ratio Lower Upper

70 100

42 55.2 58.2 87.4#

101 0.0 7.4 11.2#

130 2.3 17.8 26.8#

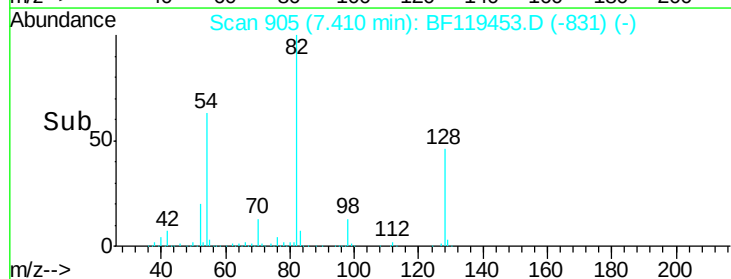
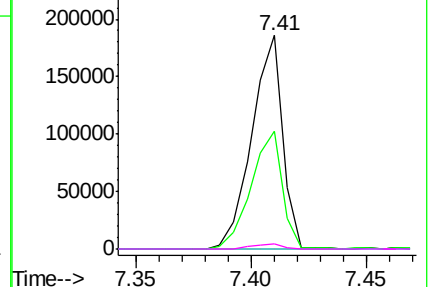


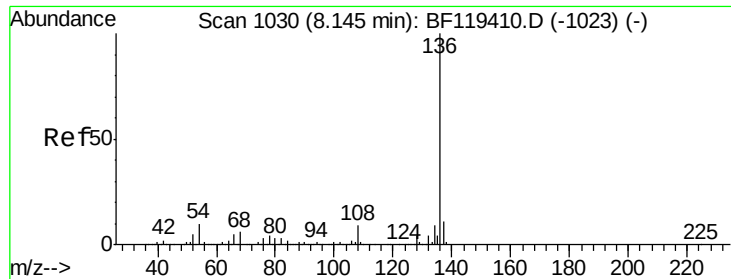
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

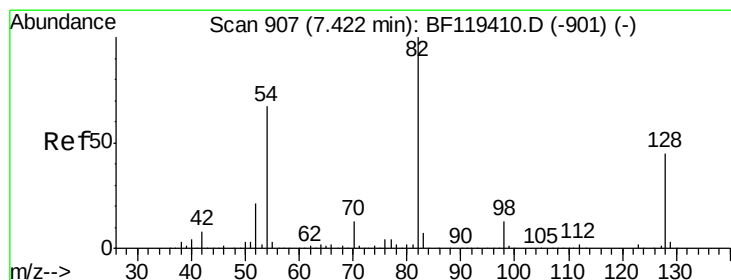
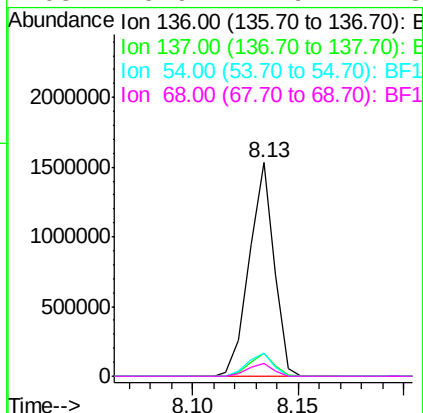
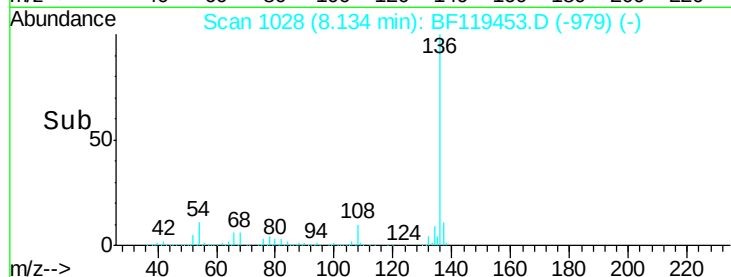
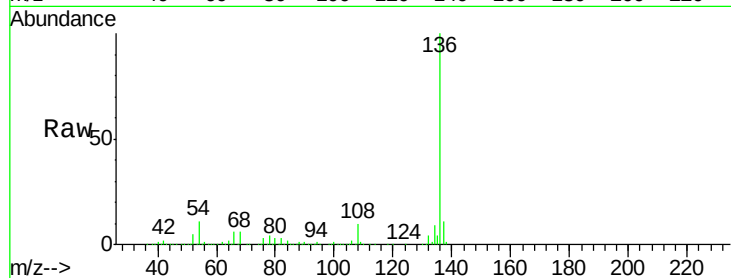




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF119453.D
Acq: 19 Mar 2020 22:22

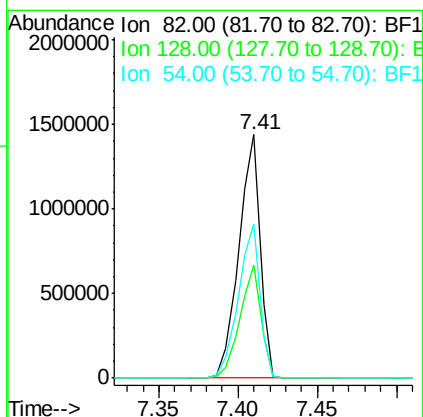
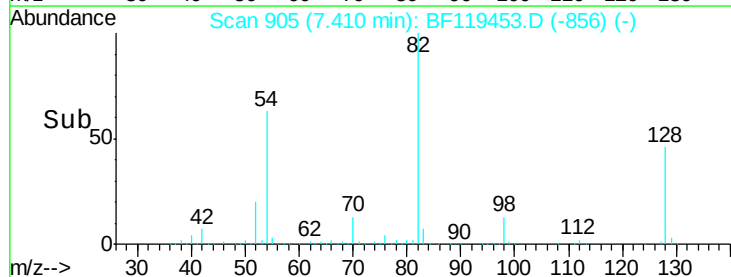
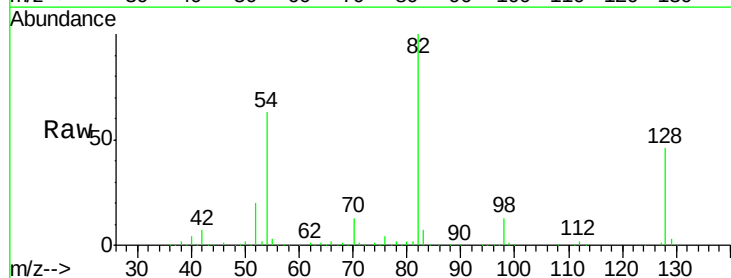
Instrument :
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MK-031220-0-2-COMP-B1

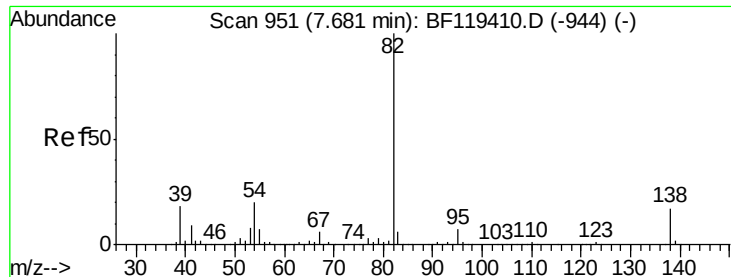
Tgt Ion:	136	Resp:	1254764
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	10.6	8.3	12.5
68	5.9	4.9	7.3



#23
Nitrobenzene-d5
Concen: 57.90 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF119453.D
Acq: 19 Mar 2020 22:22

Tgt Ion:	82	Resp:	1336747
Ion	Ratio	Lower	Upper
82	100		
128	46.5	35.8	53.8
54	63.4	53.4	80.0





#25

Isophorone

Concen: 28.50 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF119453.D

Acq: 19 Mar 2020 22:22

Instrument :

BNA_F

ClientSampleId :

MK-031220-0-2-COMP-B1

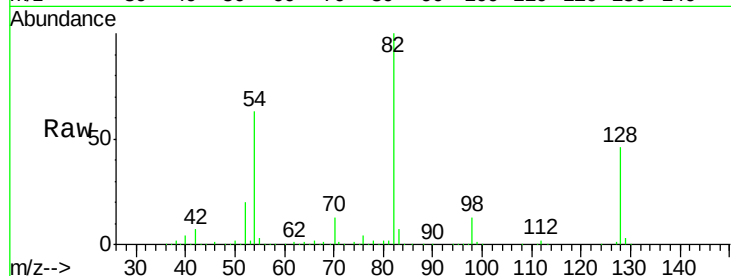
Tgt Ion: 82 Resp: 1334544

Ion Ratio Lower Upper

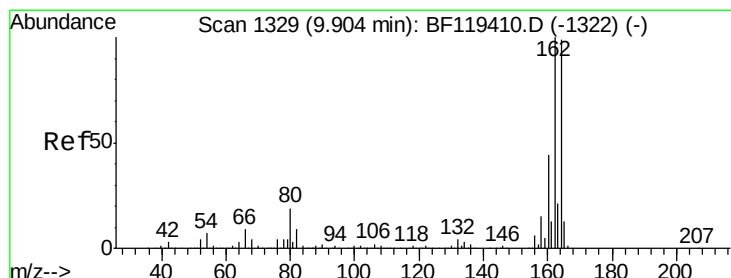
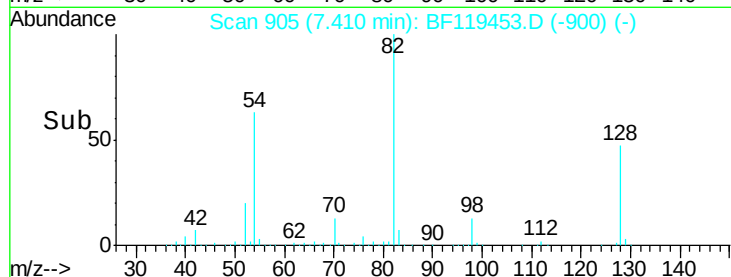
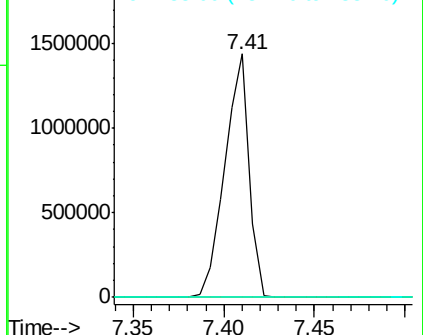
82 100

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: BF119453.D

Acq: 19 Mar 2020 22:22

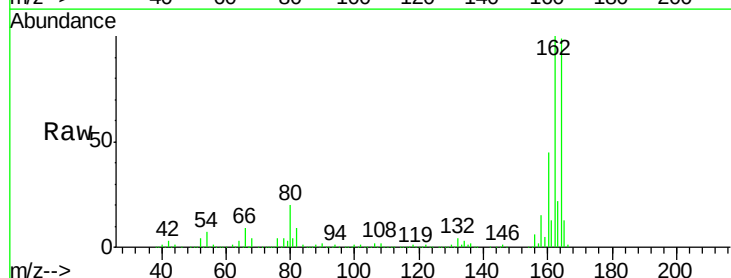
Tgt Ion: 164 Resp: 636475

Ion Ratio Lower Upper

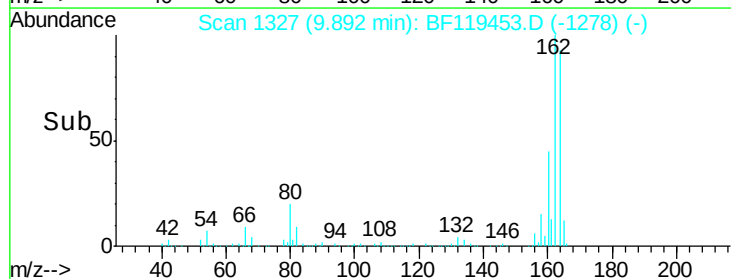
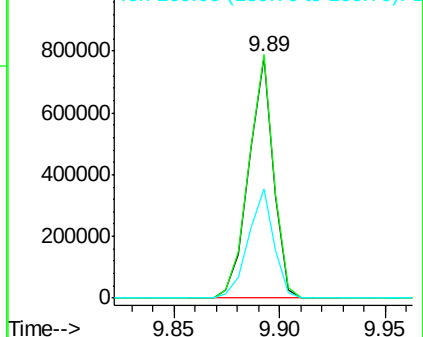
164 100

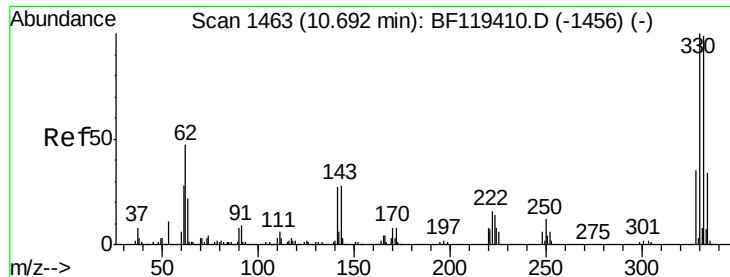
162 100.9 80.7 121.1

160 45.5 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: 80.16 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF119453.D

Acq: 19 Mar 2020 22:22

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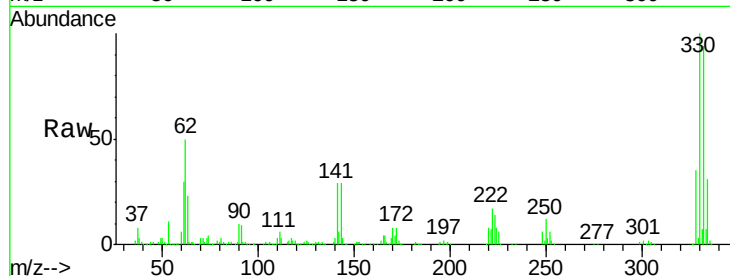
Tgt Ion:330 Resp: 526361

Ion Ratio Lower Upper

330 100

332 95.4 77.6 116.4

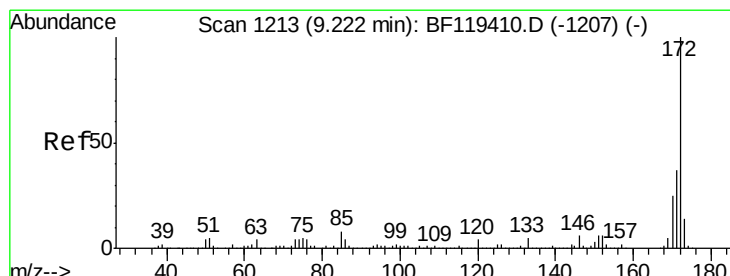
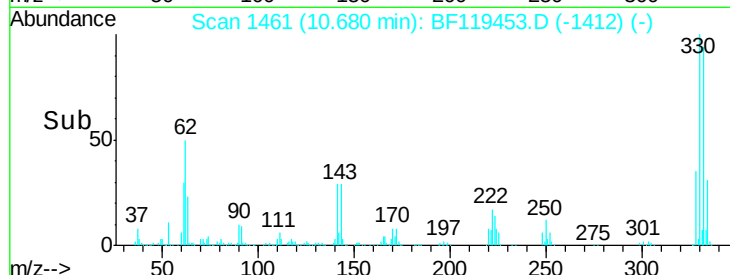
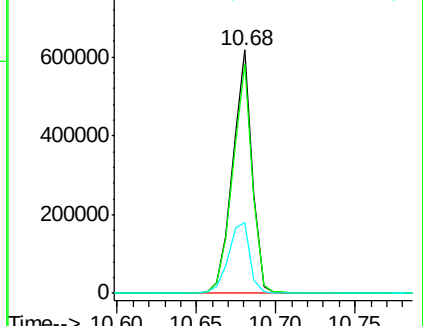
141 32.3 26.6 40.0



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: 54.98 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF119453.D

Acq: 19 Mar 2020 22:22

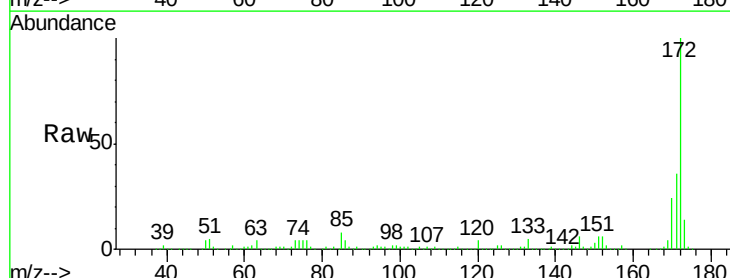
Tgt Ion:172 Resp: 2362174

Ion Ratio Lower Upper

172 100

171 36.2 29.9 44.9

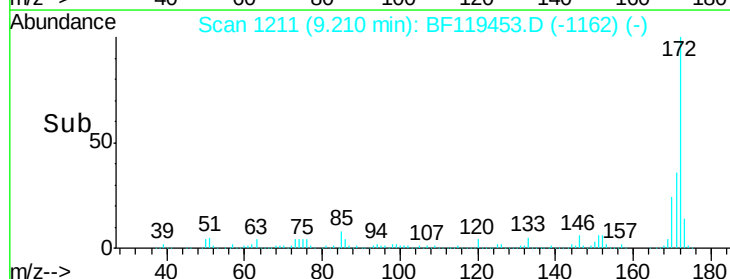
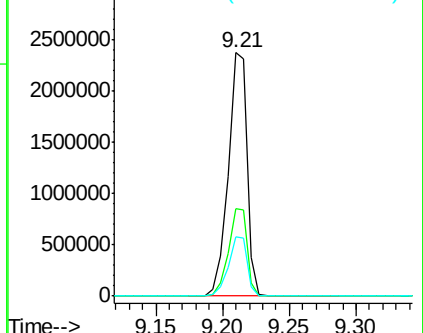
170 24.4 20.1 30.1

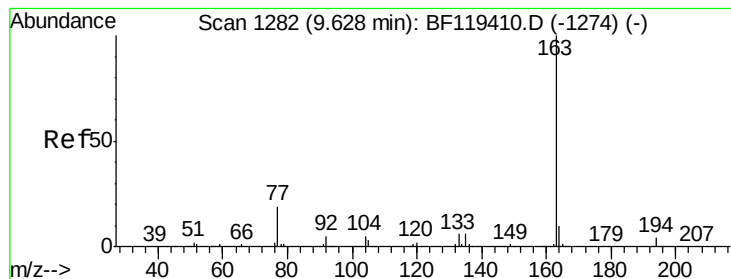


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.94 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF119453.D

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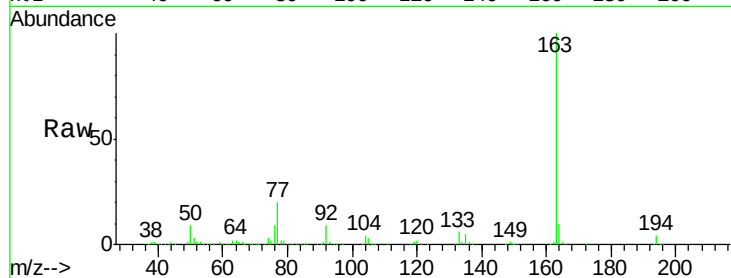
Tgt Ion:163 Resp: 403945

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

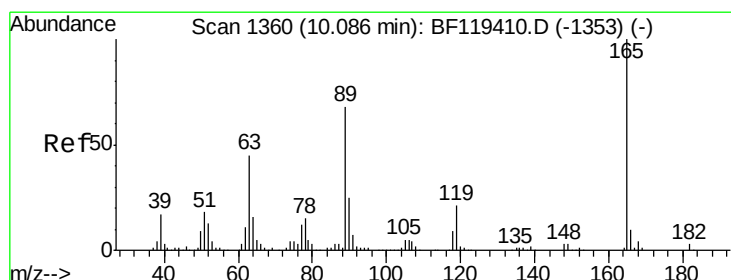
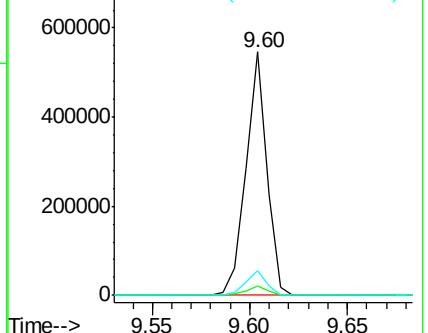
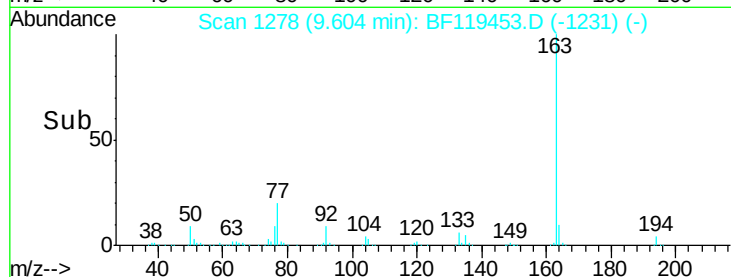
164 10.2 8.1 12.1



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: 6.82 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF119453.D

Acq: 19 Mar 2020 22:22

Tgt Ion:165 Resp: 83265

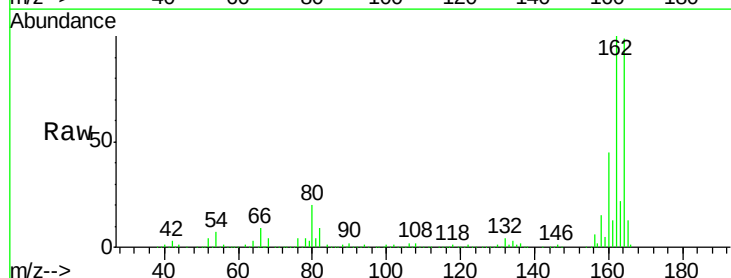
Ion Ratio Lower Upper

165 100

63 1.2 36.2 54.4#

89 1.0 54.3 81.5#

182 0.0 2.0 3.0#

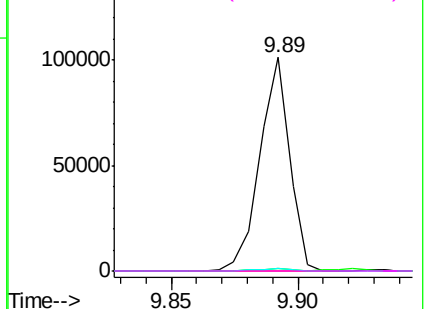
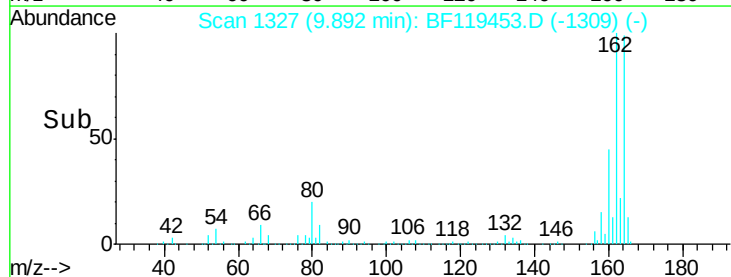


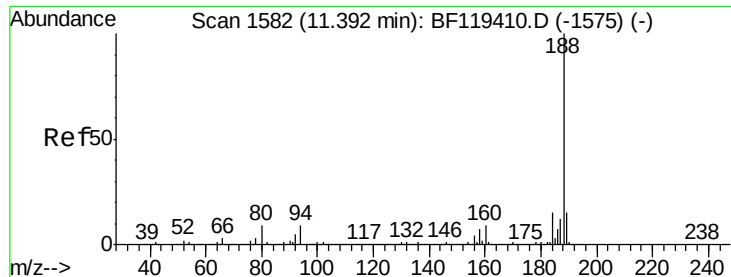
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF119453.D

Acq: 19 Mar 2020 22:22

Instrument :

BNA_F

ClientSampleId :

MK-031220-0-2-COMP-B1

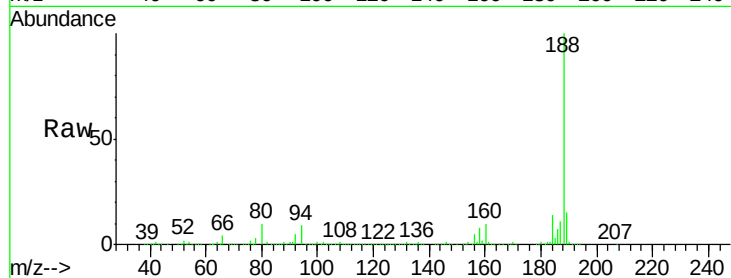
Tgt Ion:188 Resp: 1120408

Ion Ratio Lower Upper

188 100

94 8.8 7.1 10.7

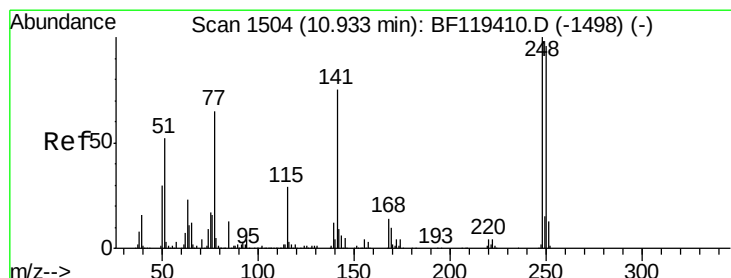
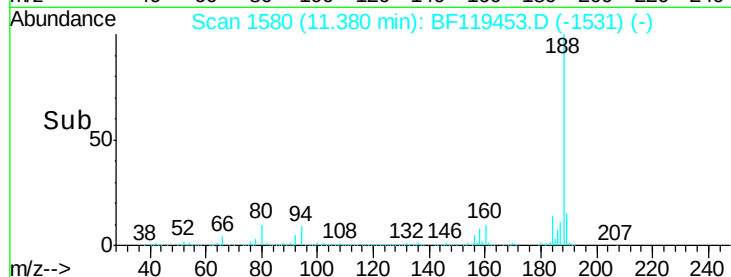
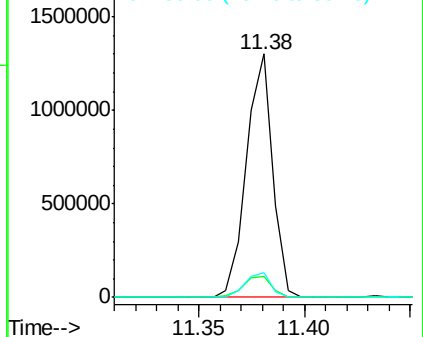
80 10.2 7.5 11.3



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: 2.50 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.25 min

Lab File: BF119453.D

Acq: 19 Mar 2020 22:22

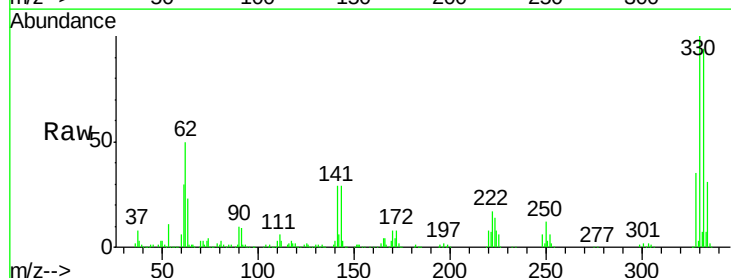
Tgt Ion:248 Resp: 31862

Ion Ratio Lower Upper

248 100

250 208.6 77.0 115.6#

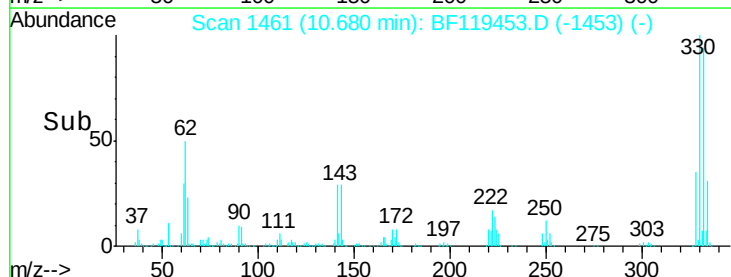
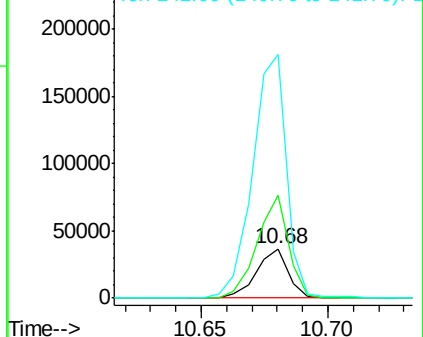
141 493.7 59.7 89.5#

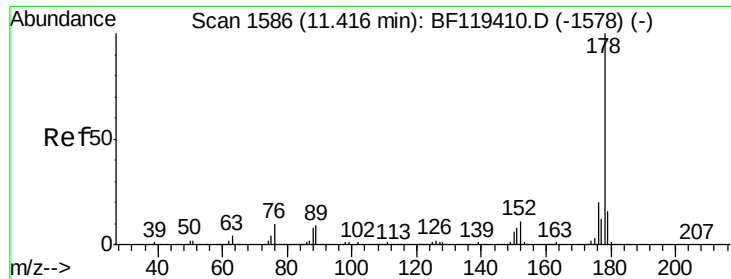


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

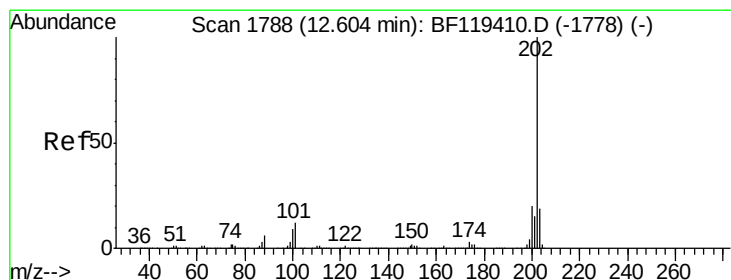
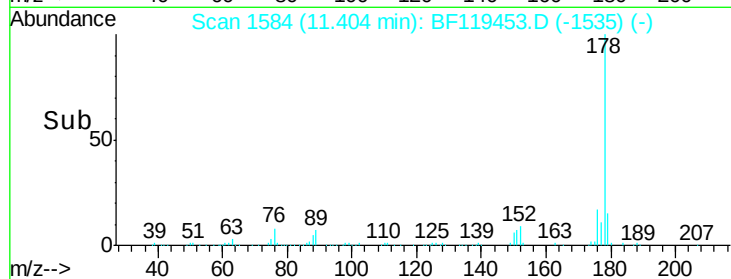
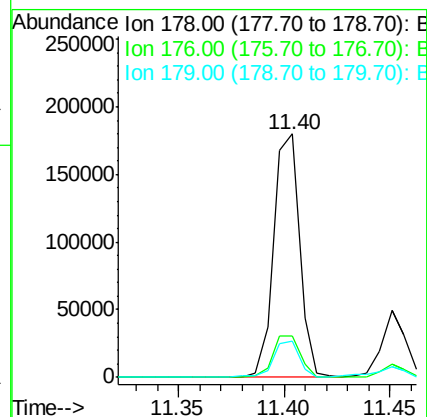
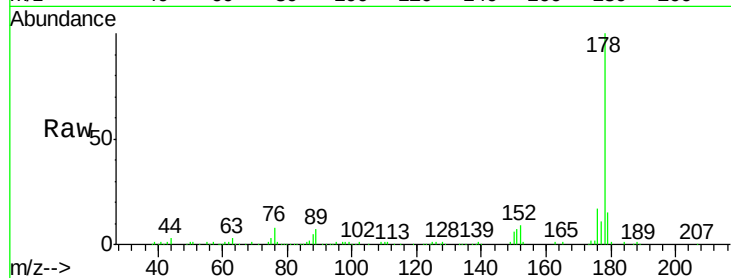




#71
Phenanthrene
Concen: 2.67 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF119453.D
Acq: 19 Mar 2020 22:22

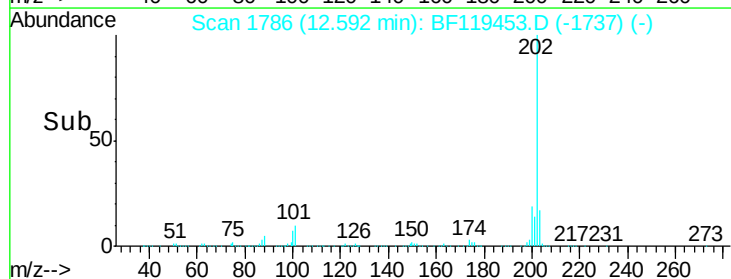
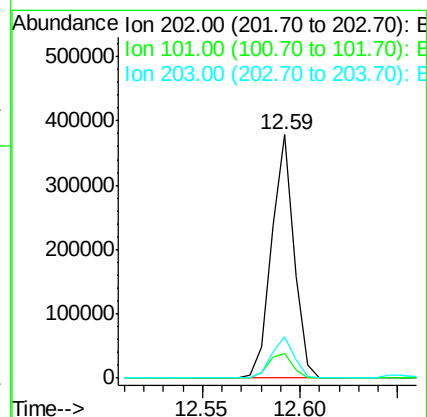
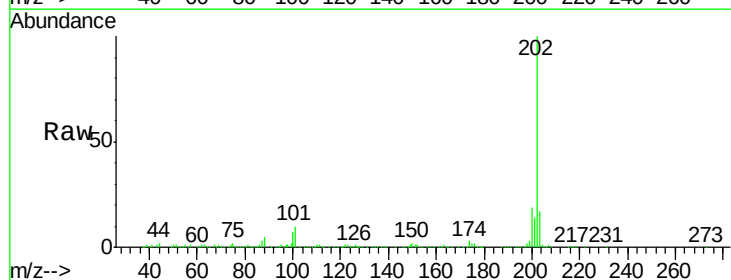
Instrument :
BNA_F
ClientSampleId :
MK-031220-0-2-COMP-B1

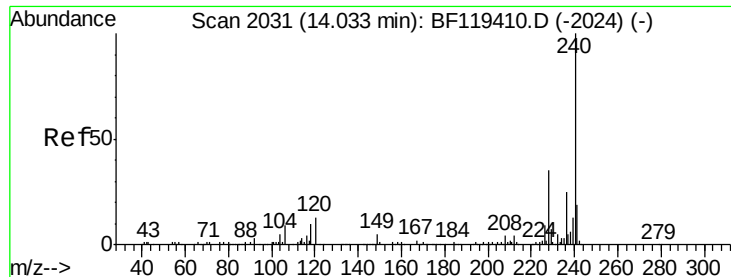
Tgt Ion:178 Resp: 154919
Ion Ratio Lower Upper
178 100
176 17.2 16.2 24.4
179 14.7 12.9 19.3



#75
Fluoranthene
Concen: 4.77 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF119453.D
Acq: 19 Mar 2020 22:22

Tgt Ion:202 Resp: 300048
Ion Ratio Lower Upper
202 100
101 9.9 0.0 32.4
203 17.2 0.0 38.5





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF119453.D

Acq: 19 Mar 2020 22:22

Instrument :

BNA_F

ClientSampleId :

MK-031220-0-2-COMP-B1

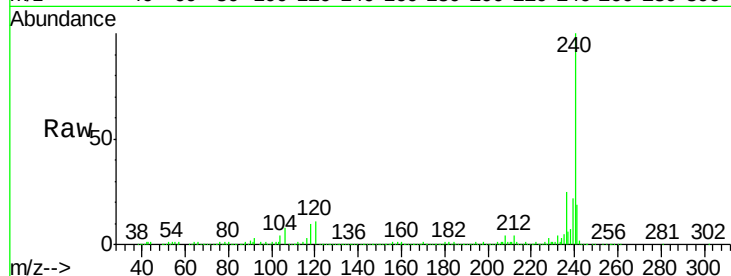
Tgt Ion:240 Resp: 609319

Ion Ratio Lower Upper

240 100

120 10.9 10.2 15.4

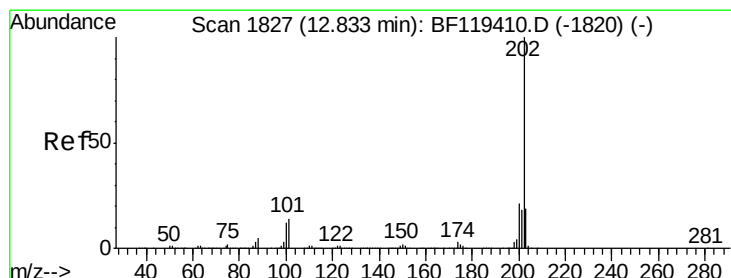
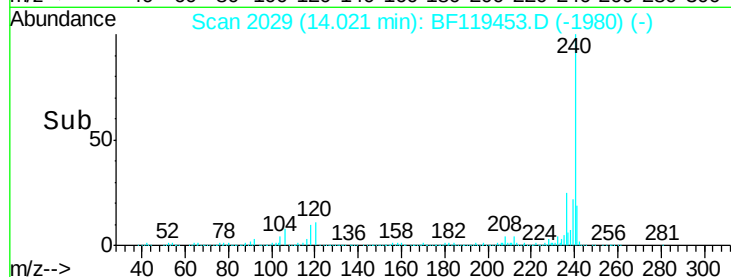
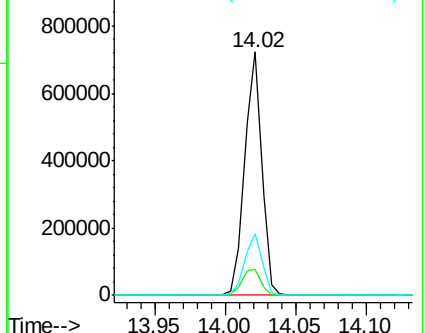
236 25.2 20.4 30.6



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: 5.38 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF119453.D

Acq: 19 Mar 2020 22:22

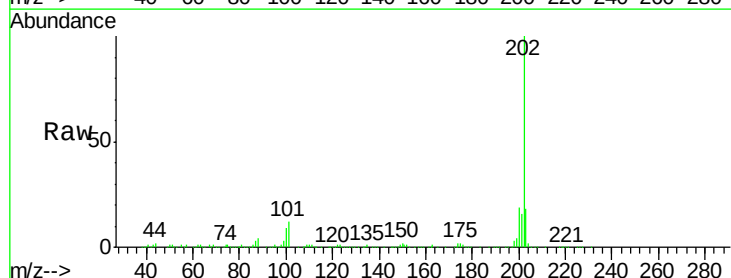
Tgt Ion:202 Resp: 268788

Ion Ratio Lower Upper

202 100

200 19.2 16.8 25.2

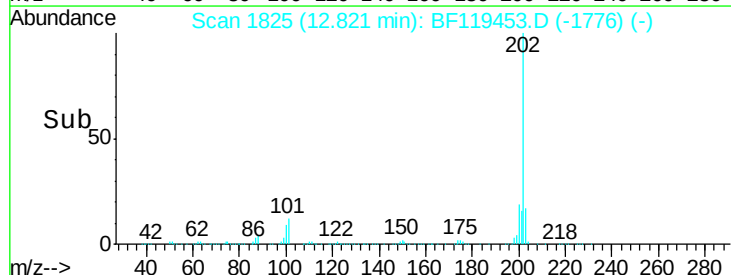
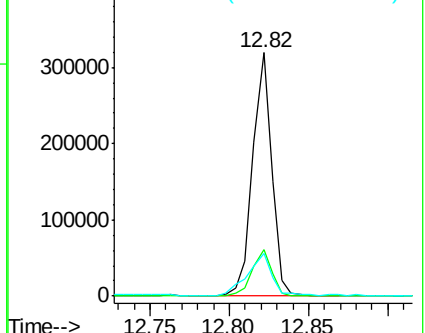
203 17.8 14.8 22.2

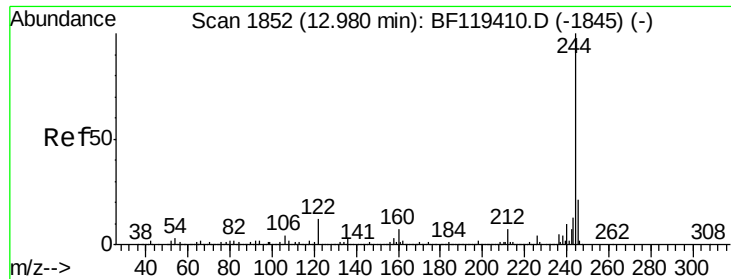


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

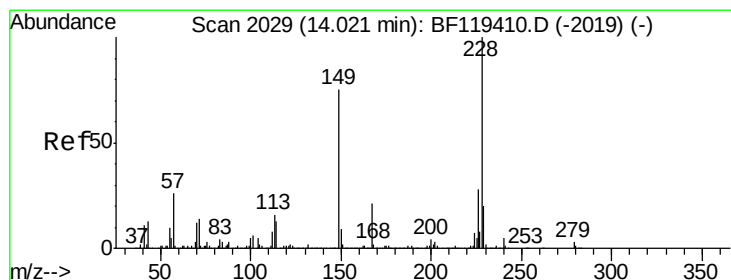
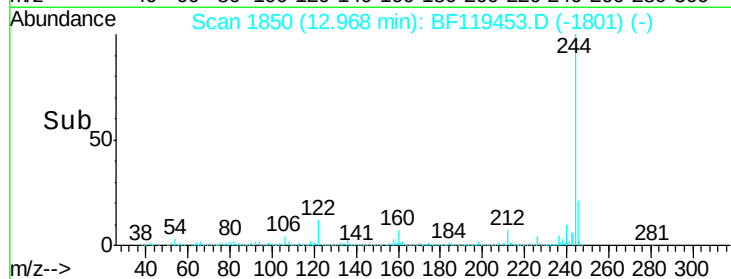
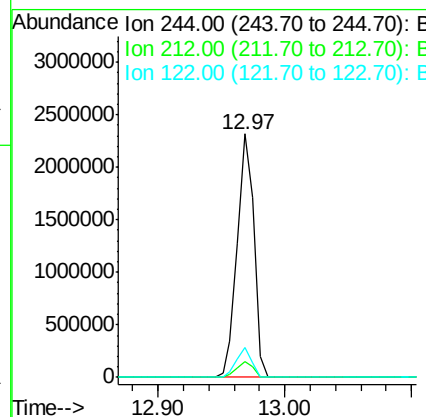
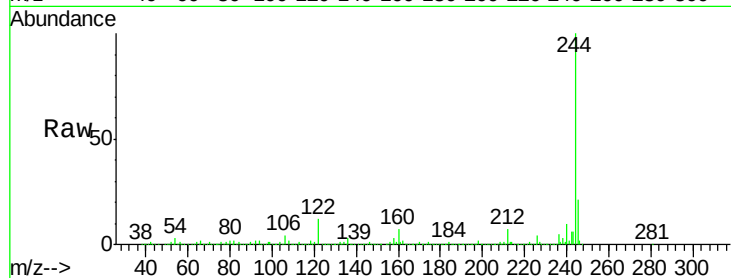




#79
 Terphenyl-d14
 Concen: 67.14 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF119453.D
 Acq: 19 Mar 2020 22:22

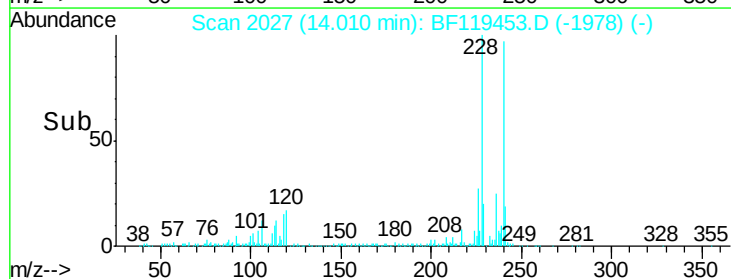
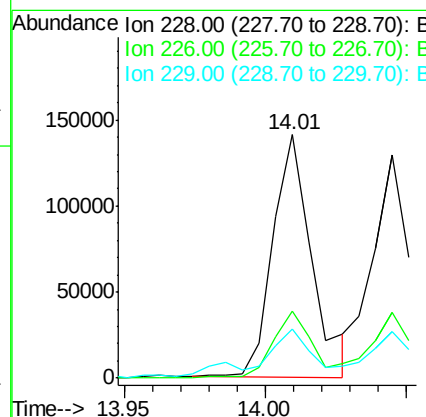
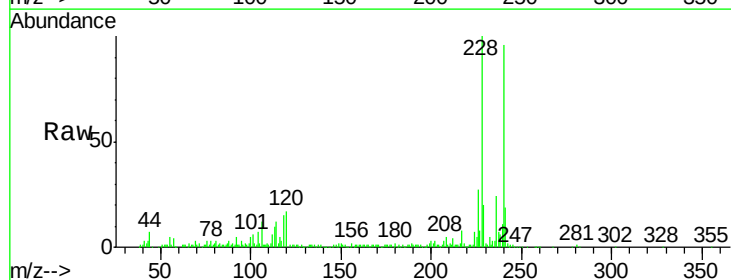
Instrument :
 BNA_F
 ClientSampleId :
 MK-031220-0-2-COMP-B1

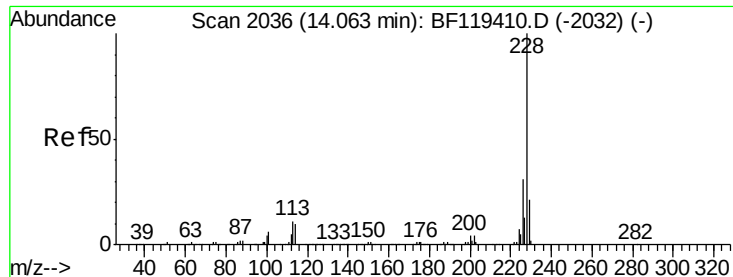
Tgt Ion:244 Resp: 2088140
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 12.4 9.8 14.8



#81
 Benzo(a)anthracene
 Concen: 3.41 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF119453.D
 Acq: 19 Mar 2020 22:22

Tgt Ion:228 Resp: 134971
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.3 33.5
 229 20.3 16.3 24.5





#83

Chrysene

Concen: 2.82 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.02 min

Lab File: BF119453.D

Acq: 19 Mar 2020 22:22

Instrument :

BNA_F

ClientSampleId :

MK-031220-0-2-COMP-B1

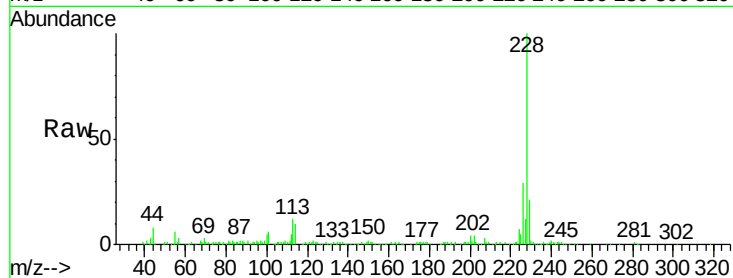
Tgt Ion:228 Resp: 115344

Ion Ratio Lower Upper

228 100

226 29.3 24.8 37.2

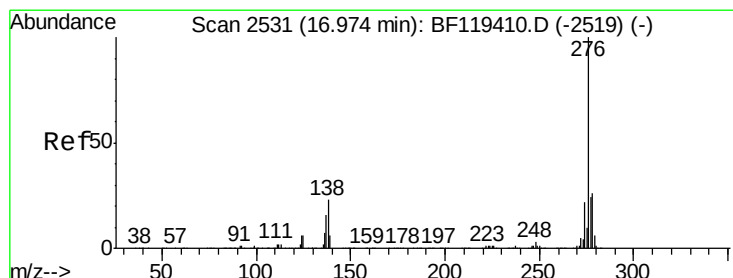
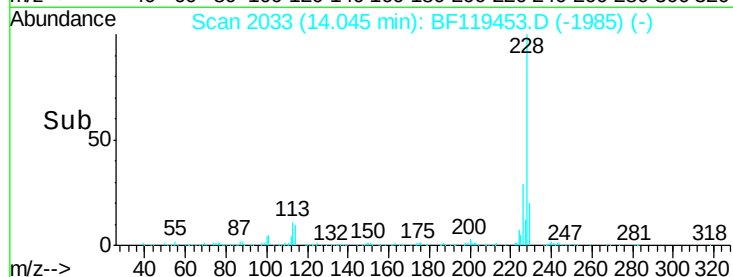
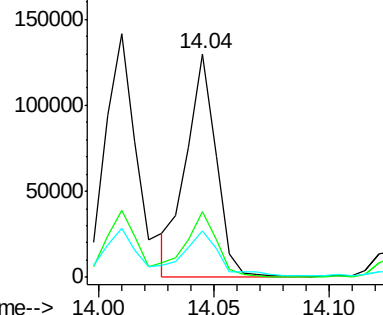
229 20.9 16.6 25.0



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: 2.19 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.03 min

Lab File: BF119453.D

Acq: 19 Mar 2020 22:22

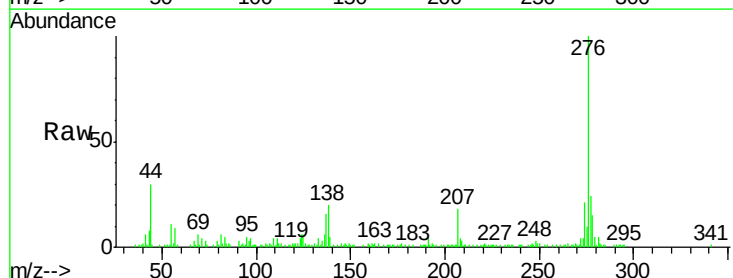
Tgt Ion:276 Resp: 84226

Ion Ratio Lower Upper

276 100

138 21.2 21.3 31.9#

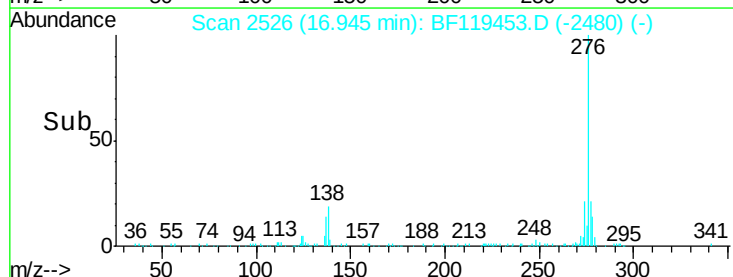
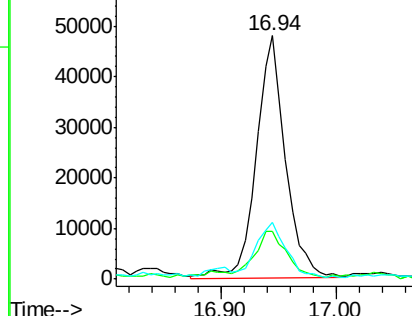
277 23.7 20.2 30.2

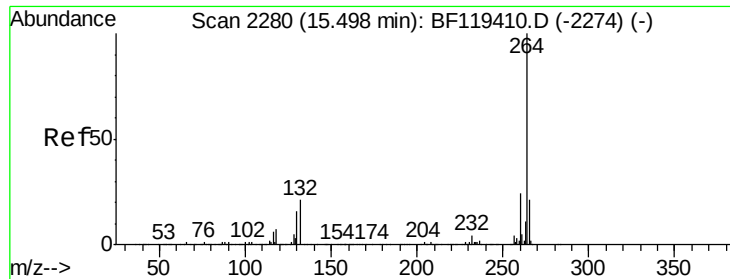


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



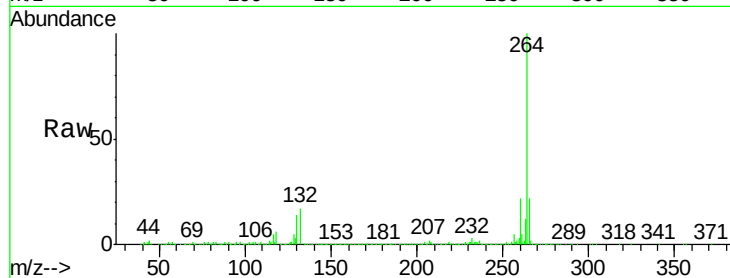


#87
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF119453.D
Acq: 19 Mar 2020 22:22

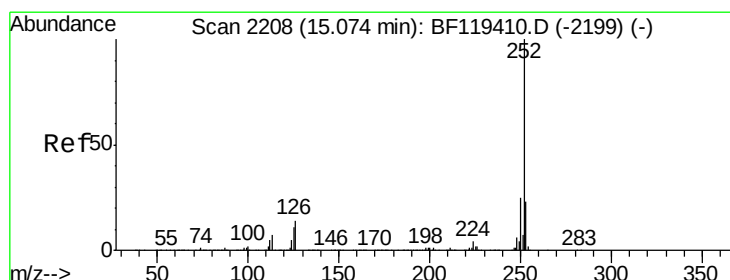
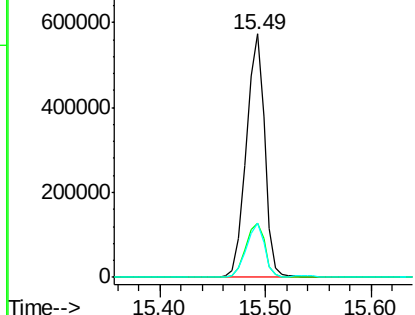
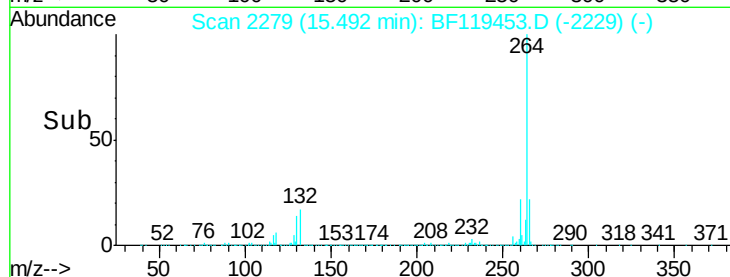
Instrument :
BNA_F
ClientSampleId :
MK-031220-0-2-COMP-B1

Tgt Ion: 264 Resp: 693285

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	22.1	16.9	25.3



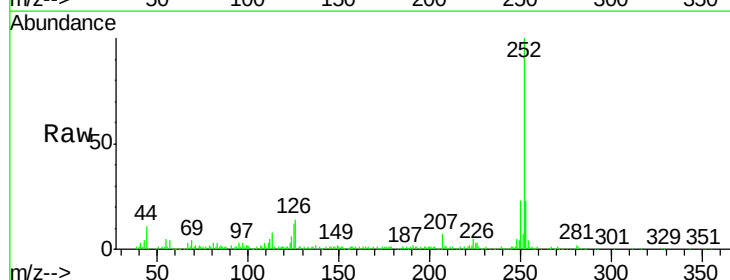
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



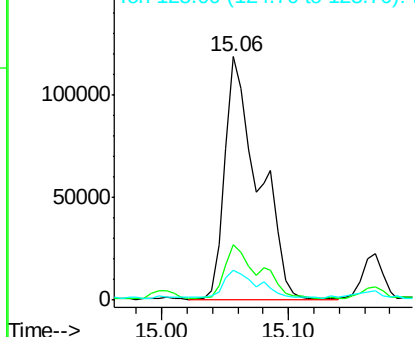
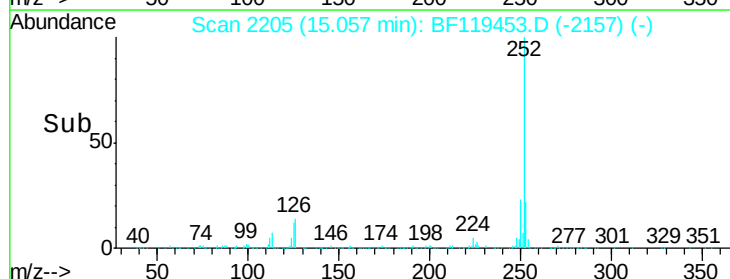
#88
Benzo(b)fluoranthene
Concen: 4.73 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF119453.D
Acq: 19 Mar 2020 22:22

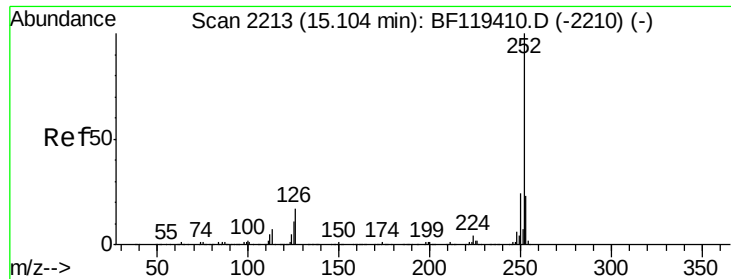
Tgt Ion: 252 Resp: 219183

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	12.4	8.8	13.2



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

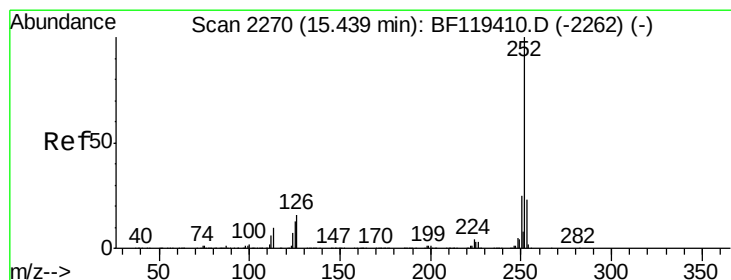
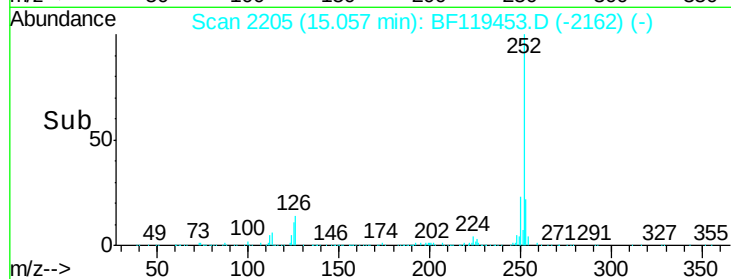
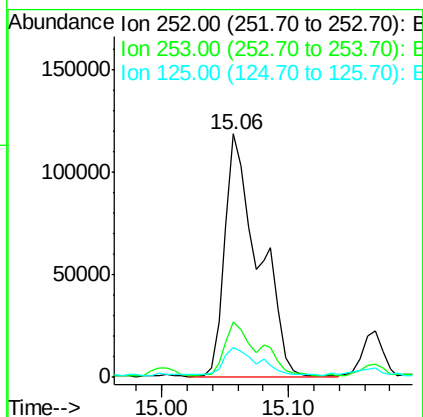
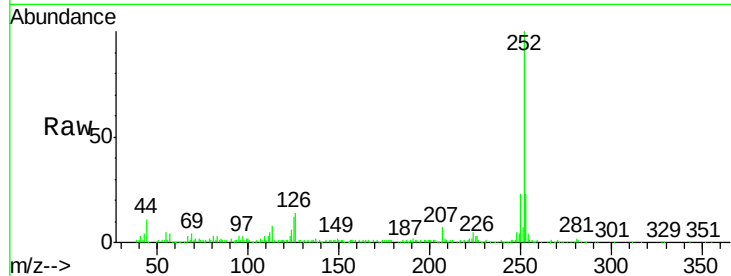




#89
Benzo(k)fluoranthene
Concen: 4.97 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.05 min
Lab File: BF119453.D
Acq: 19 Mar 2020 22:22

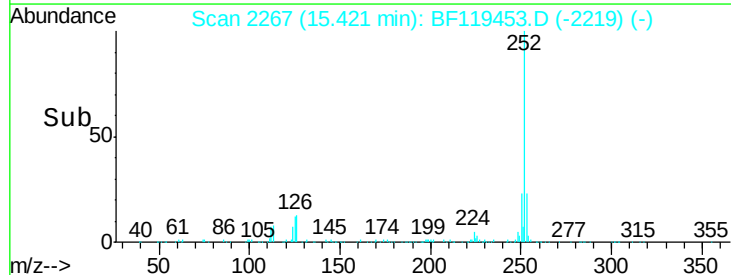
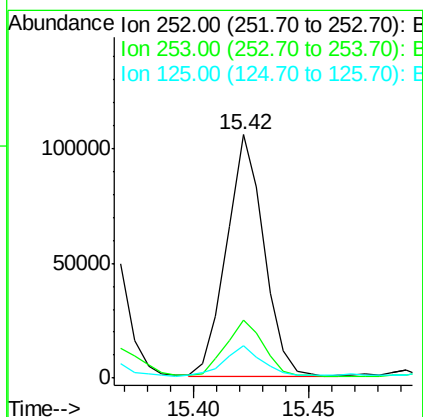
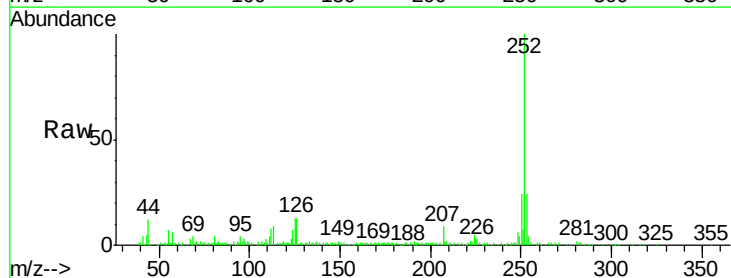
Instrument :
BNA_F
ClientSampleId :
MK-031220-0-2-COMP-B1

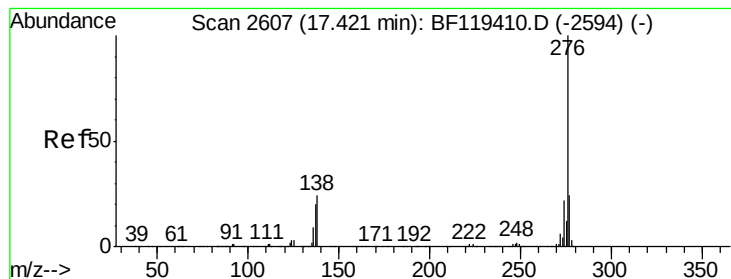
Tgt Ion:252 Resp: 219183
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.4
125 12.4 9.0 13.4



#90
Benzo(a)pyrene
Concen: 2.81 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF119453.D
Acq: 19 Mar 2020 22:22

Tgt Ion:252 Resp: 118130
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.4
125 13.2 10.2 15.2





#92

Benzo(g,h,i)perylene

Concen: 2.19 ng

RT: 17.39 min Scan# 2601

Delta R.T. -0.04 min

Lab File: BF119453.D

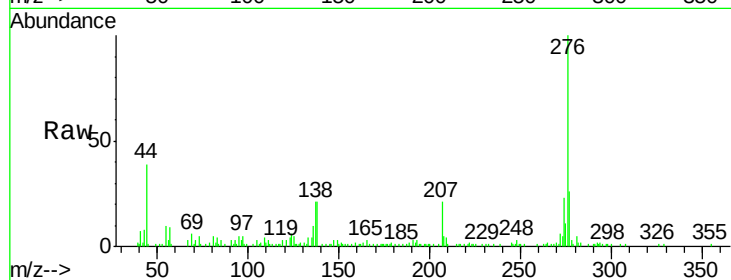
Acq: 19 Mar 2020 22:22

Instrument :

BNA_F

ClientSampleId :

MK-031220-0-2-COMP-B1



Tgt Ion: 276 Resp: 80926

Ion Ratio Lower Upper

276 100

277 25.6 18.8 28.2

138 21.1 19.1 28.7

