

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 04:53:04 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

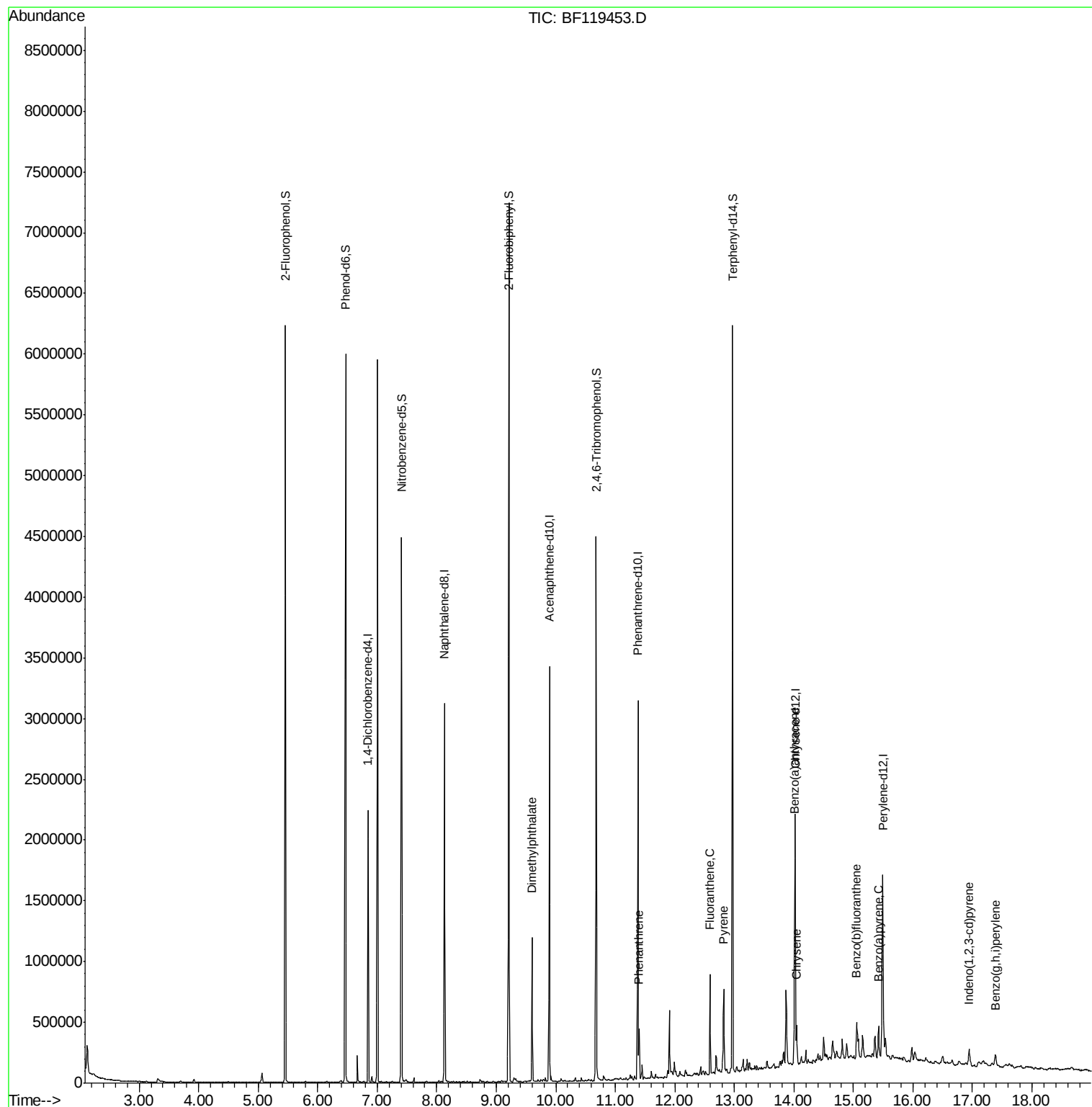
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.60	163	403945	8.935	ng	100
71) Phenanthrene	11.40	178	154919	2.667	ng	95
75) Fluoranthene	12.59	202	300048	4.772	ng	96
78) Pyrene	12.82	202	268788	5.375	ng	97
81) Benzo(a)anthracene	14.01	228	134971	3.406	ng	99
83) Chrysene	14.04	228	115344	2.821	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	84226	2.187	ng	# 93
88) Benzo(b)fluoranthene	15.06	252	159017m	3.434	ng	
90) Benzo(a)pyrene	15.42	252	118130	2.807	ng	98
92) Benzo(g,h,i)perylene	17.39	276	80926	2.188	ng	95

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

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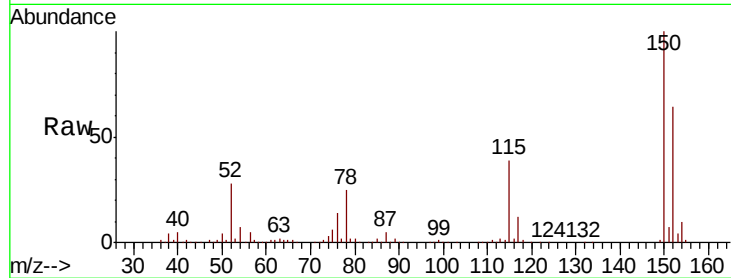


#1

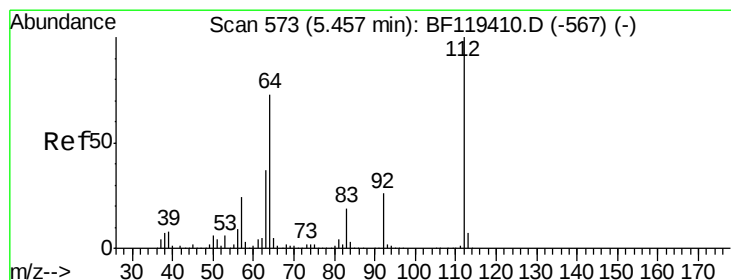
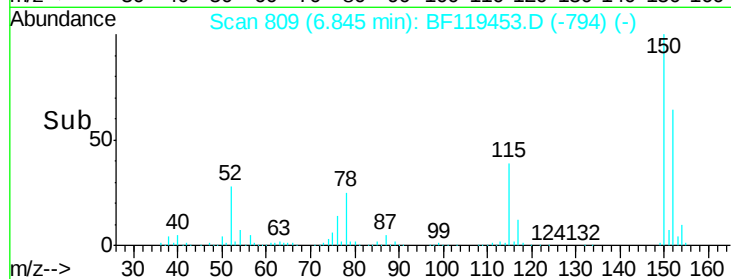
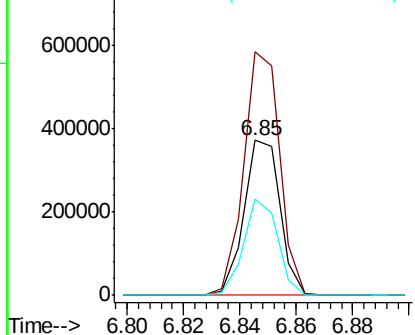
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF119453.D
 Acq: 19 Mar 2020 22:22

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

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



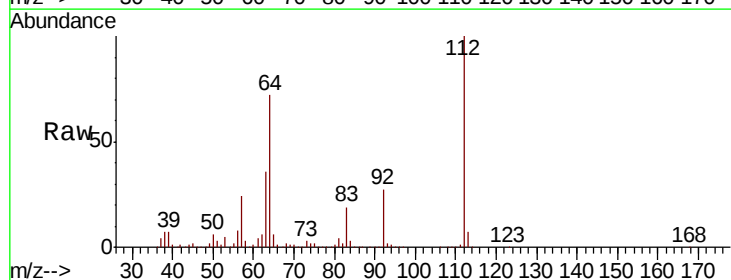
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



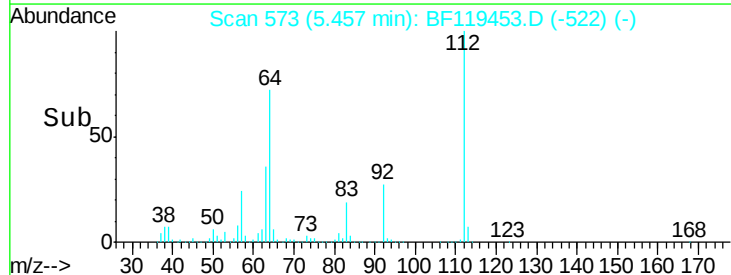
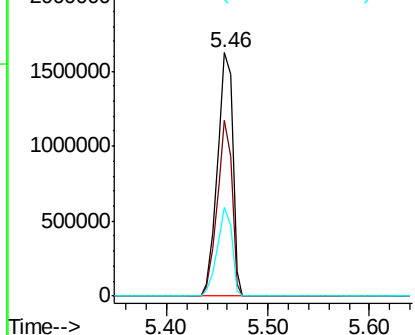
#5

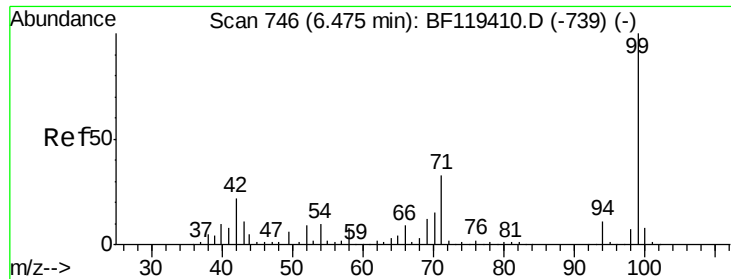
2-Fluorophenol
 Concen: 82.514 ng
 RT: 5.46 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: BF119453.D
 Acq: 19 Mar 2020 22:22

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: 80.822 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

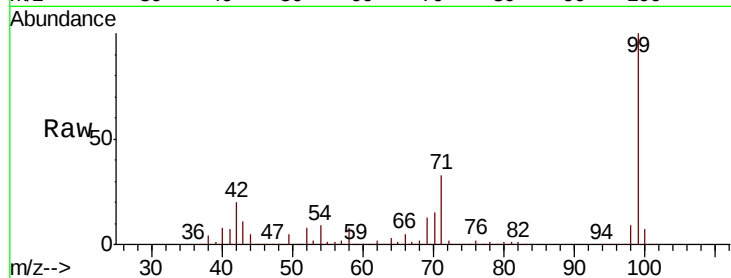
Tot Ion: 99 Resp: 2140054

Ion Ratio Lower Upper

99 100

42 20.2 17.8 26.6

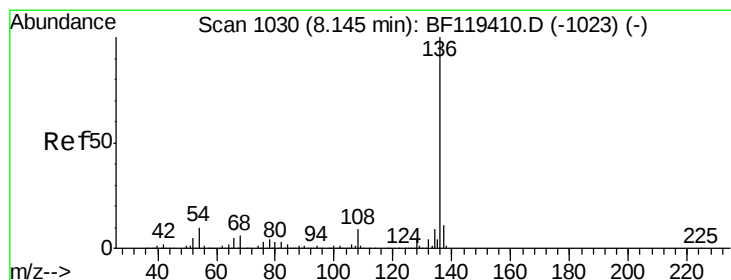
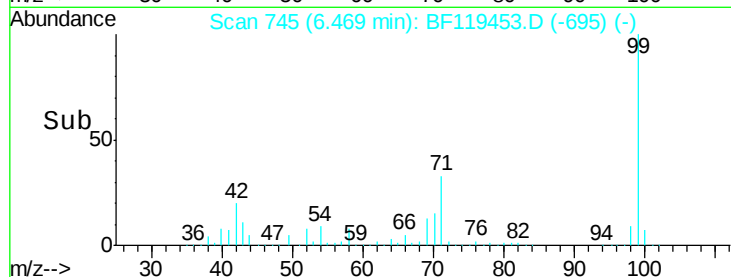
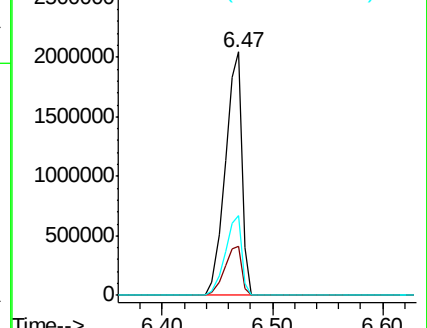
71 32.8 26.0 39.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF119453.D

Acq: 19 Mar 2020 22:22

Tgt Ion: 136 Resp: 1254764

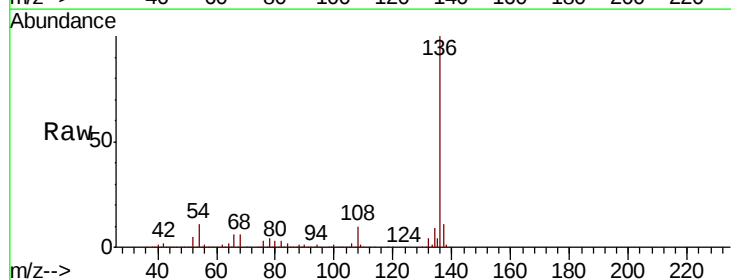
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 10.6 8.3 12.5

68 5.9 4.9 7.3

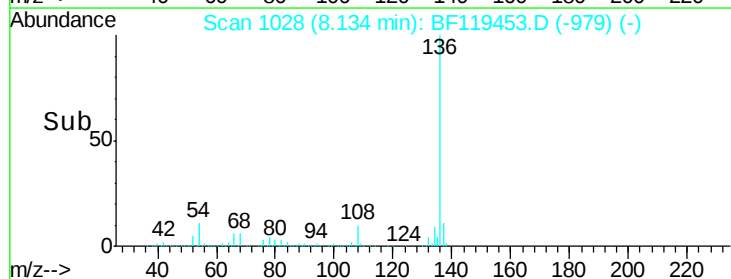
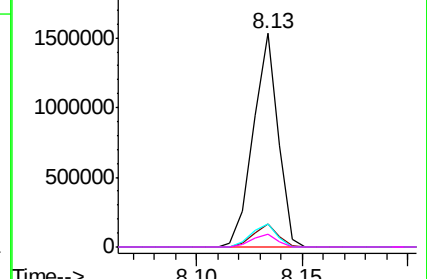


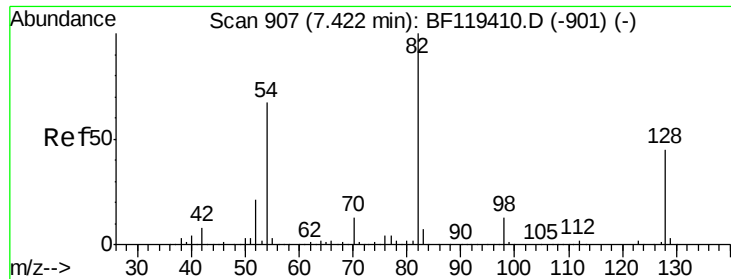
Abundance Ion 136.00 (135.70 to 136.70): E

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

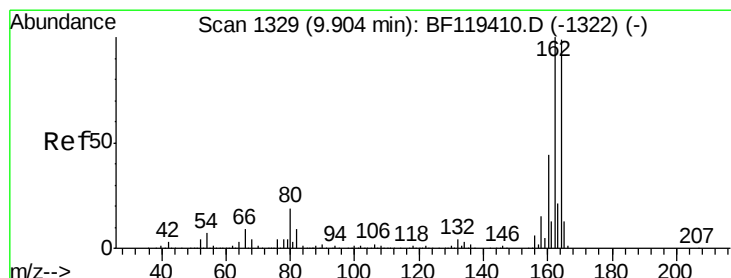
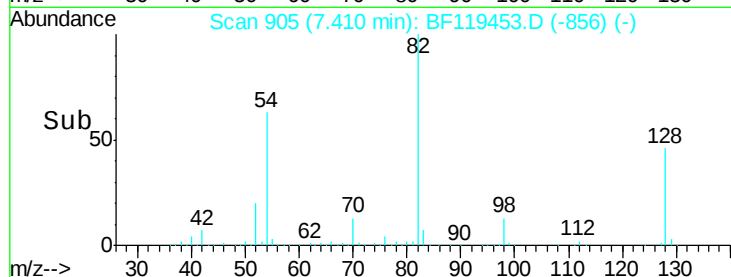
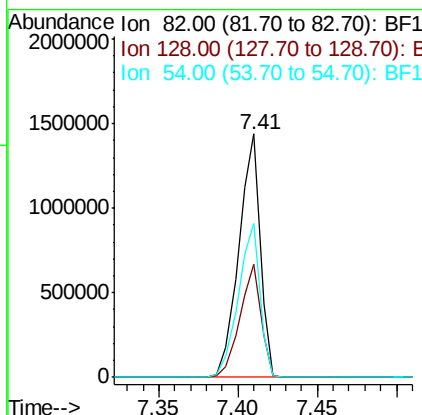
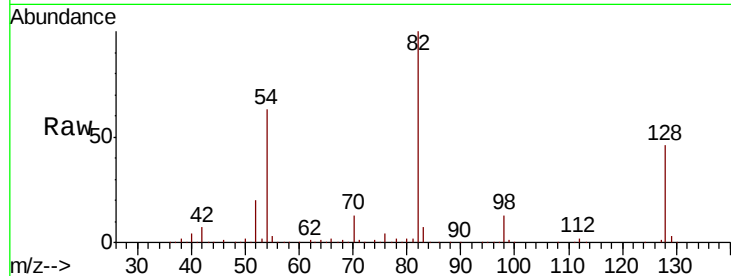




#23
Nitrobenzene-d5
Concen: 57.899 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF119453.D
Acq: 19 Mar 2020 22:22

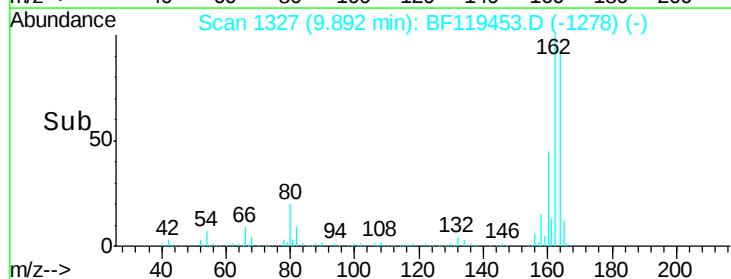
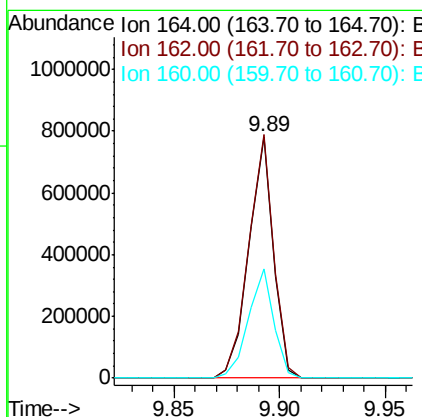
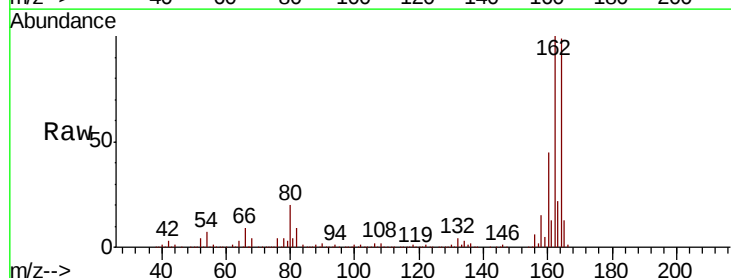
Instrument :
BNA_F
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MK-031220-0-2-COMP-B1

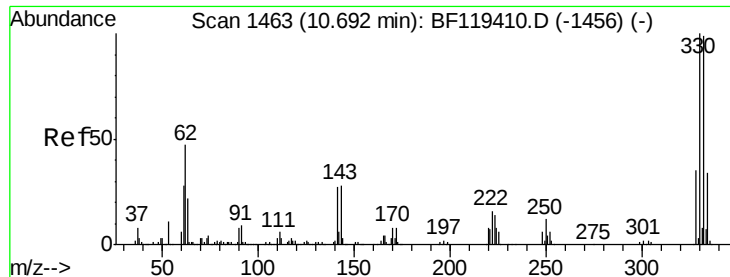
Tot Ion: 82 Resp: 1336747
Ion Ratio Lower Upper
82 100
128 46.5 35.8 53.8
54 63.4 53.4 80.0



#39
Acenaphthene-d10
Concen: 20.000 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





#42

2,4,6-Tribromophenol

Concen: 80.161 ng

RT: 10.68 min Scan# 1461

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

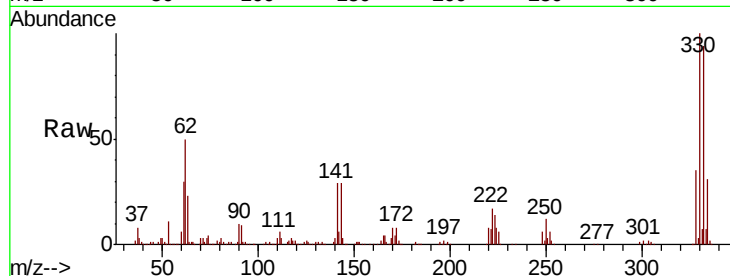
Tot Ion:330 Resp: 526361

Ion Ratio Lower Upper

330 100

332 95.4 77.6 116.4

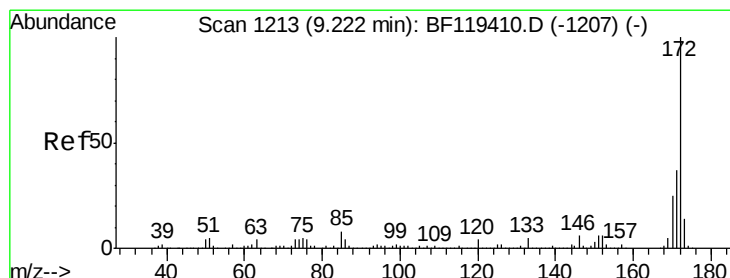
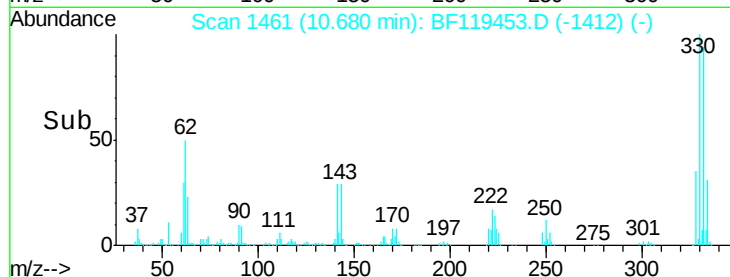
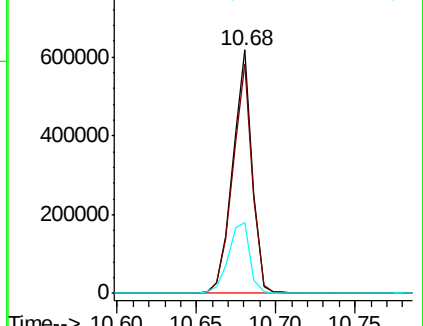
141 32.3 26.6 40.0



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: 54.982 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF119453.D

Acq: 19 Mar 2020 22:22

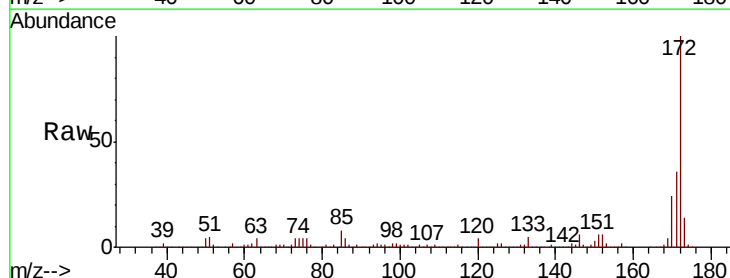
Tgt Ion:172 Resp: 2362174

Ion Ratio Lower Upper

172 100

171 36.2 29.9 44.9

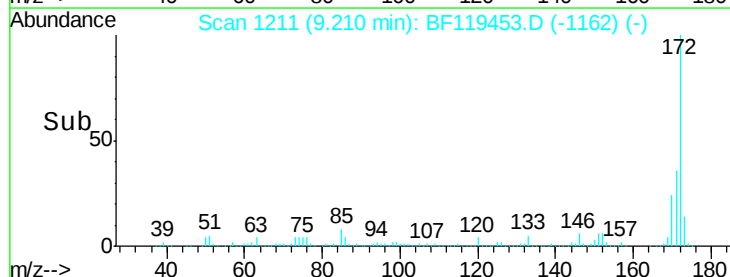
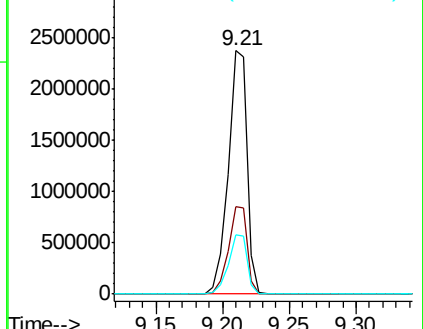
170 24.4 20.1 30.1

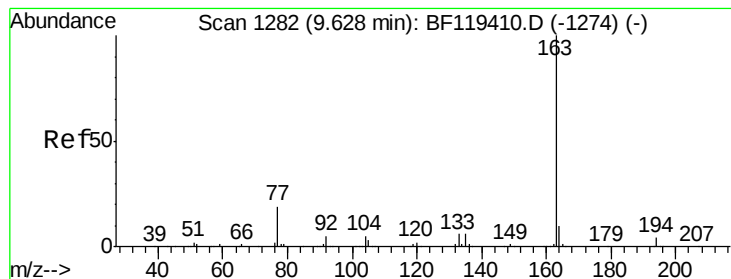


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.935 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF119453.D

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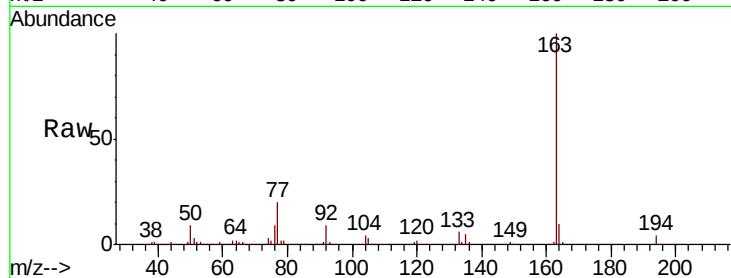
Tot Ion:163 Resp: 403945

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

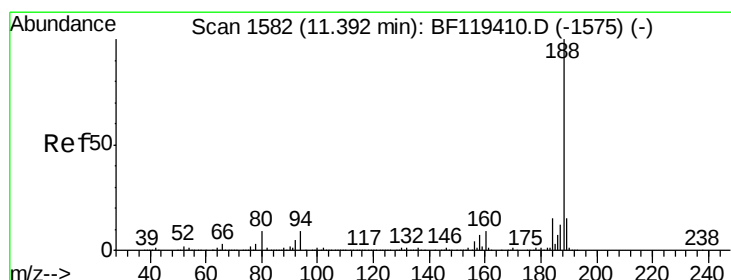
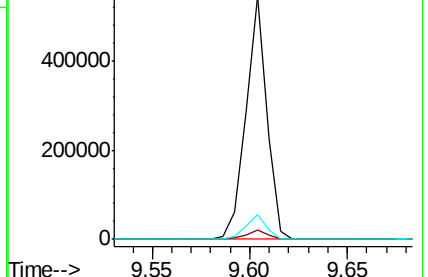
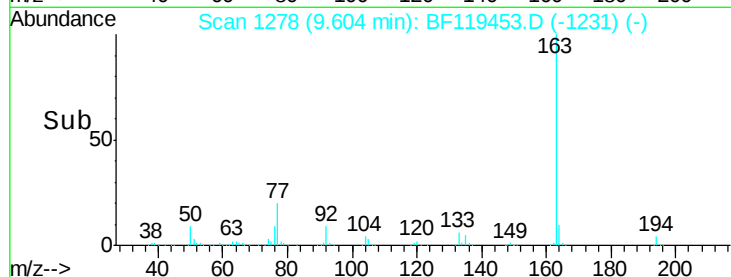
164 10.2 8.1 12.1



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF119453.D

Acq: 19 Mar 2020 22:22

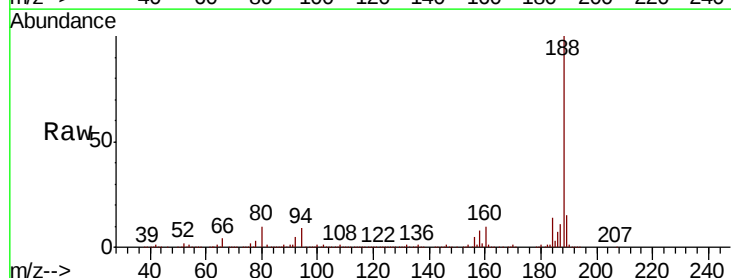
Tgt Ion:188 Resp: 1120408

Ion Ratio Lower Upper

188 100

94 8.8 7.1 10.7

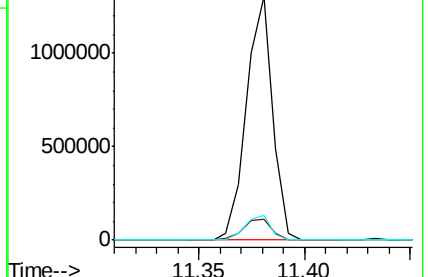
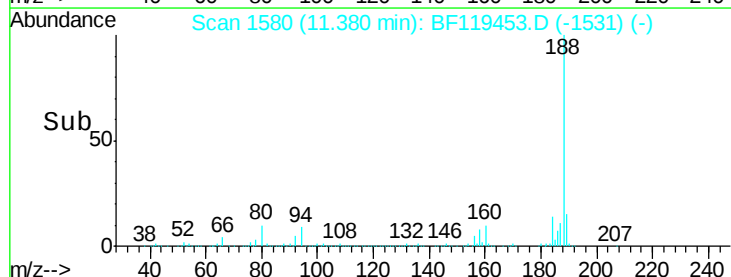
80 10.2 7.5 11.3

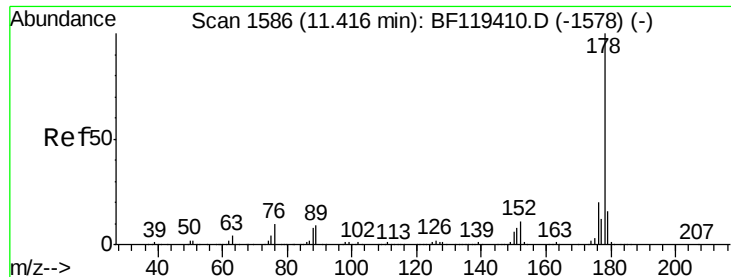


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

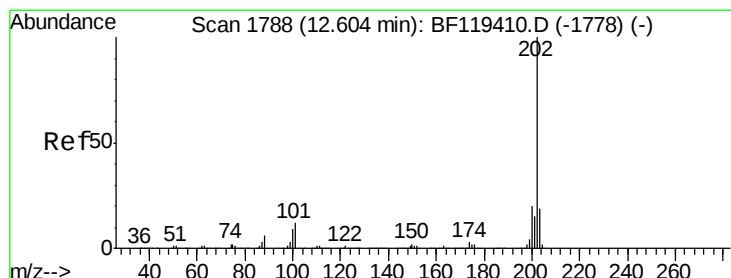
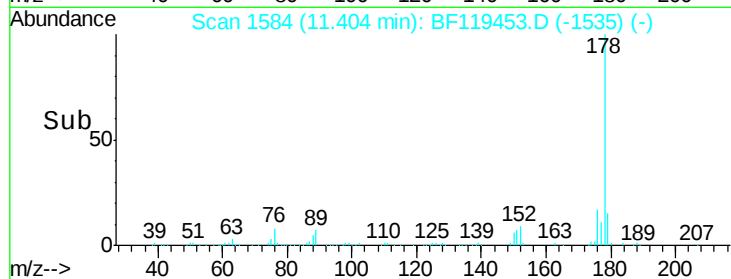
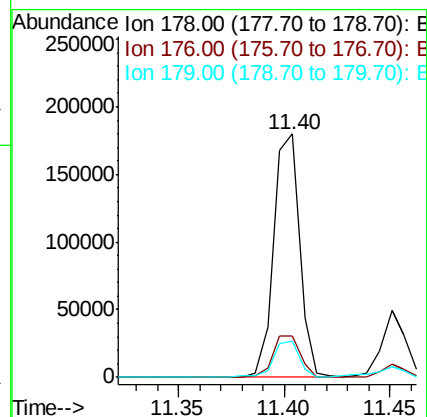
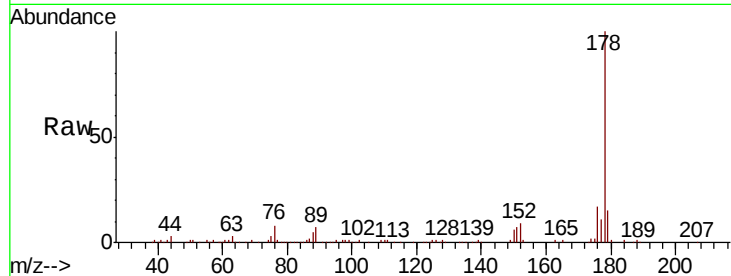




#71
Phenanthrene
Concen: 2.667 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF119453.D
Acq: 19 Mar 2020 22:22

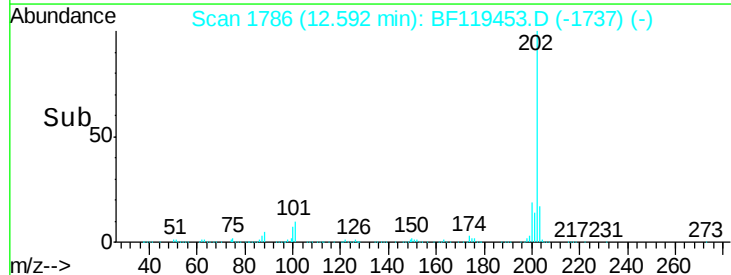
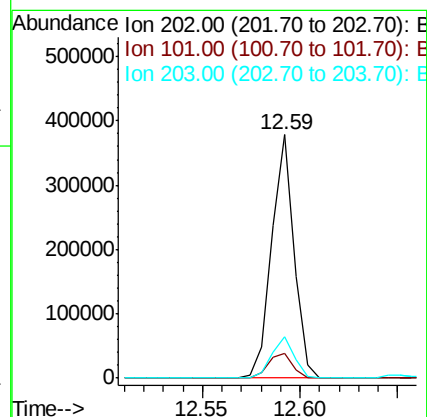
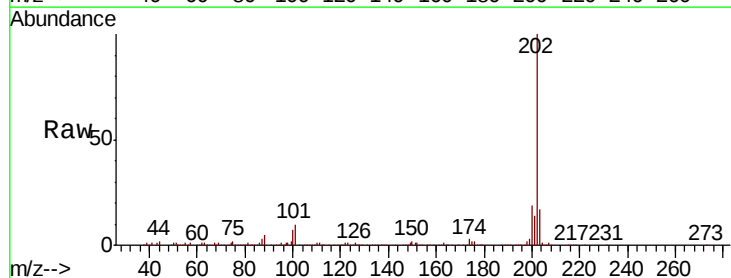
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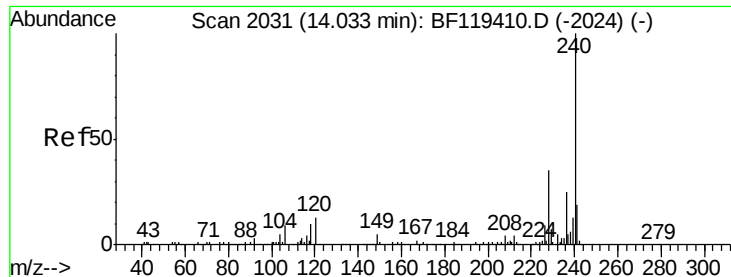
Tot Ion:178 Resp: 154919
Ion Ratio Lower Upper
178 100
176 17.2 16.2 24.4
179 14.7 12.9 19.3



#75
Fluoranthene
Concen: 4.772 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

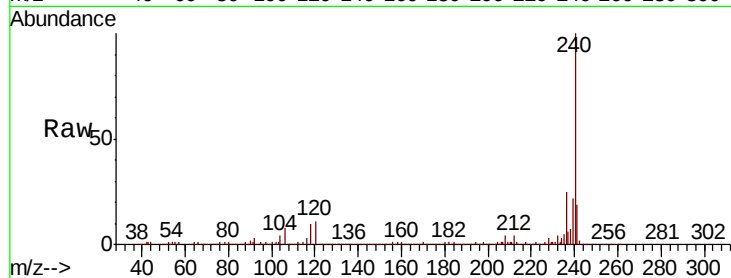




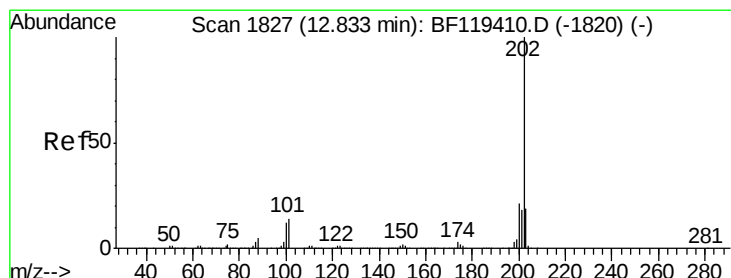
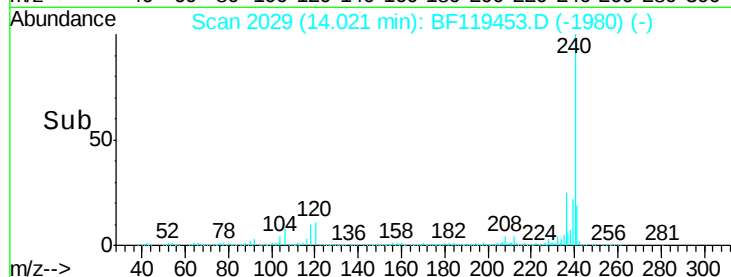
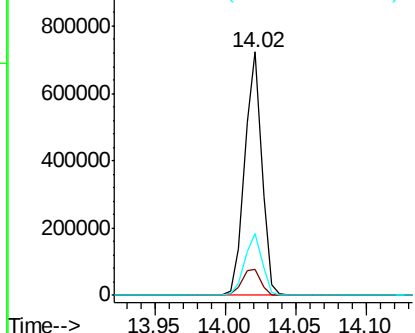
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF119453.D
Acq: 19 Mar 2020 22:22

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	10.2	15.4
236	25.2	20.4	30.6

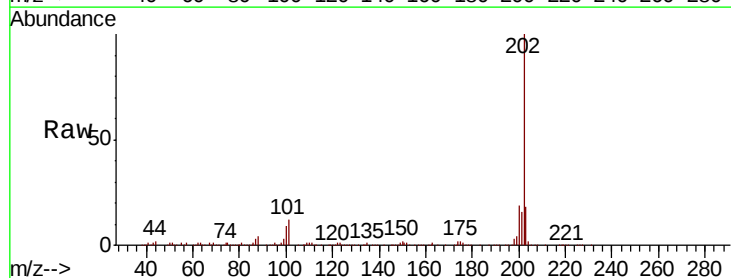


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

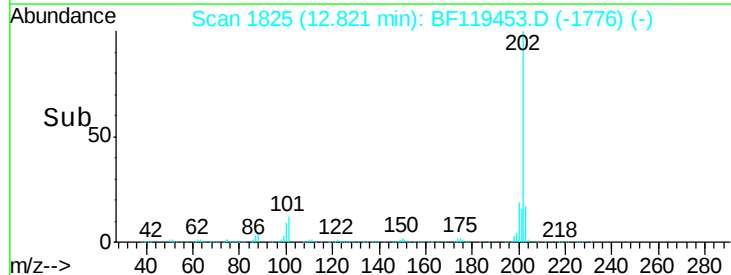
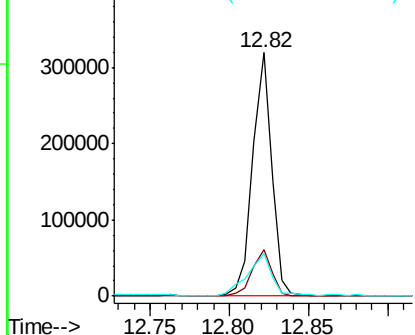


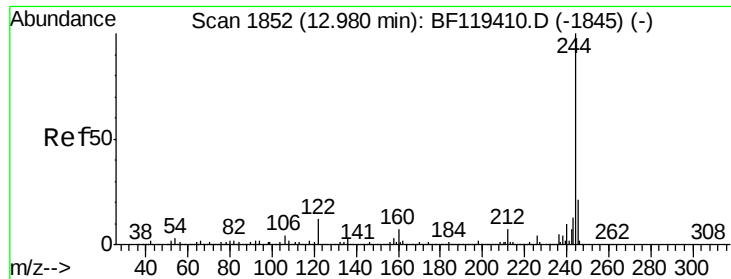
#78
Pyrene
Concen: 5.375 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF119453.D
Acq: 19 Mar 2020 22:22

Tgt Ion	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

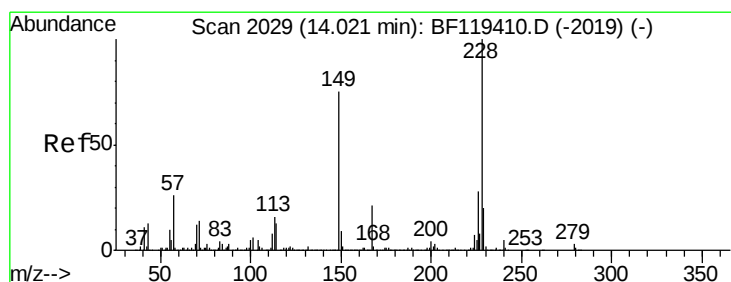
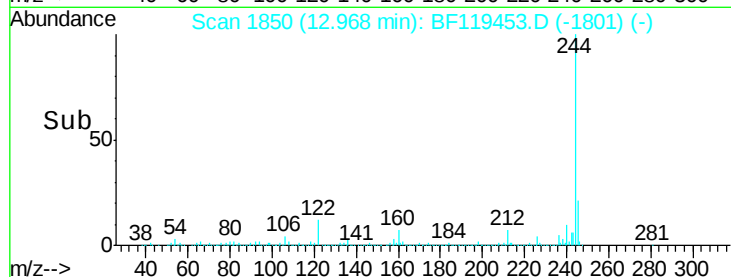
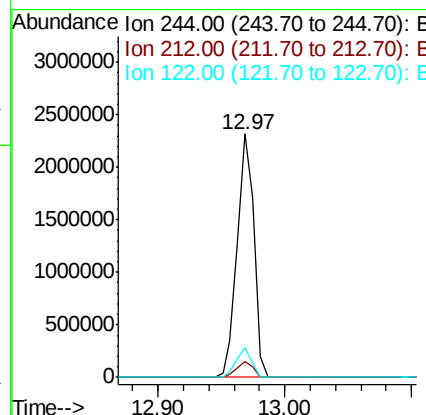
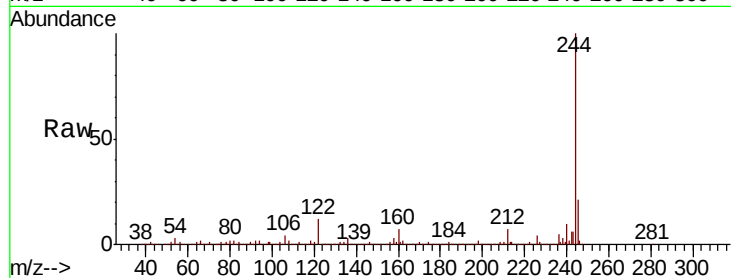




#79
 Terphenyl-d14
 Concen: 67.142 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF119453.D
 Acq: 19 Mar 2020 22:22

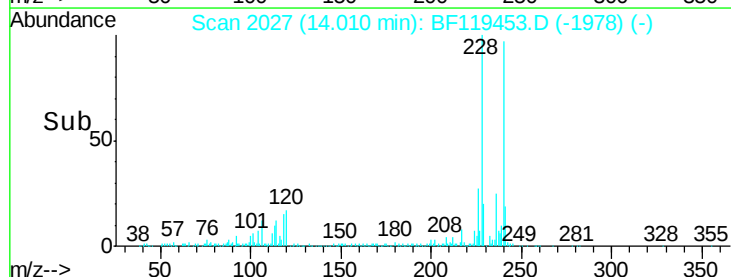
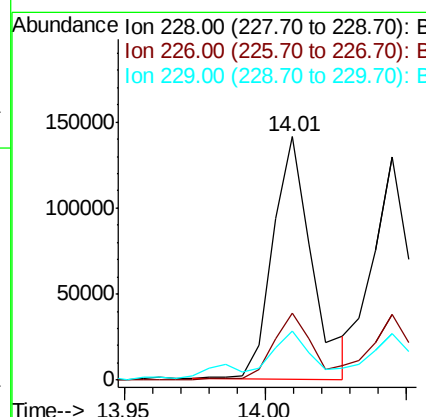
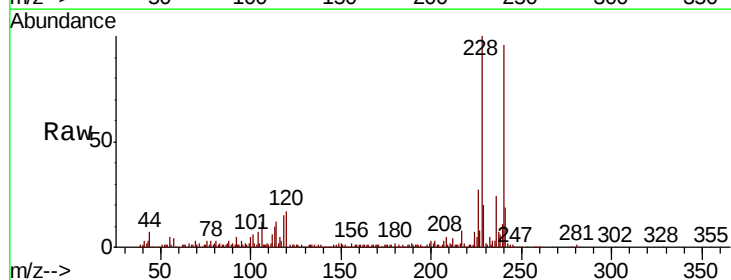
Instrument :
 BNA_F
 ClientSampleId :
 MK-031220-0-2-COMP-B1

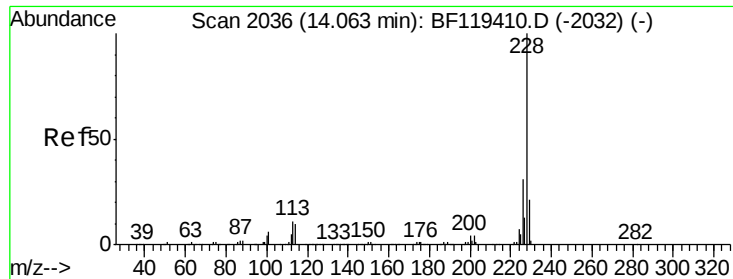
Tot Ion:244 Resp: 2088140
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 12.4 9.8 14.8



#81
 Benzo(a)anthracene
 Concen: 3.406 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

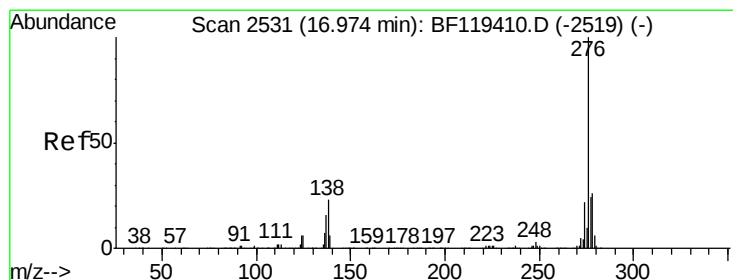
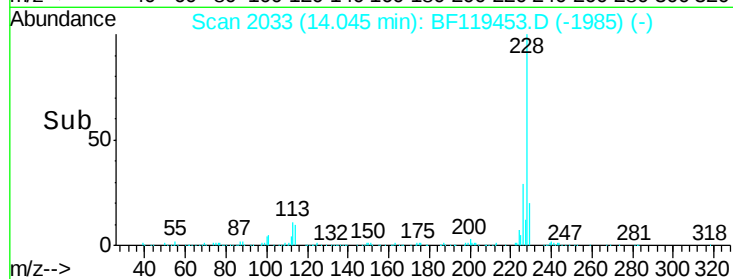
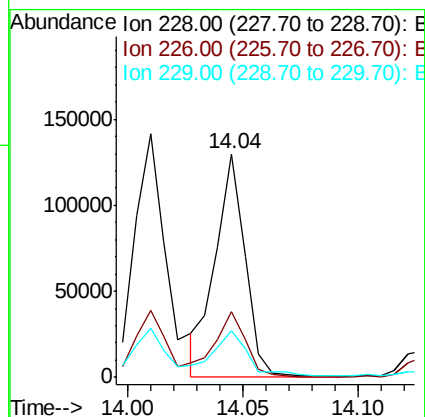
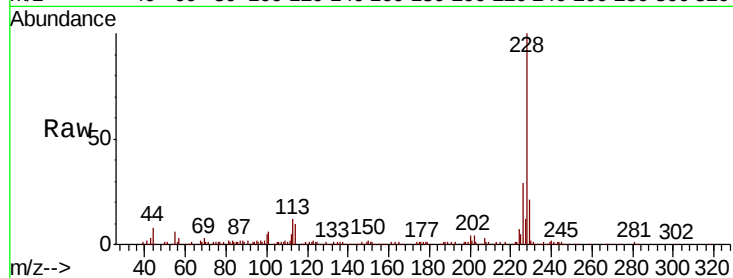




#83
Chrysene
Concen: 2.821 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.02 min
Lab File: BF119453.D
Acq: 19 Mar 2020 22:22

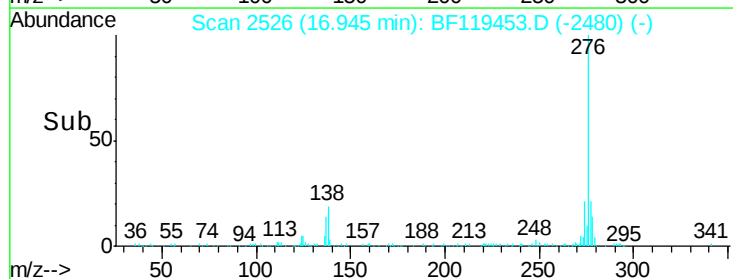
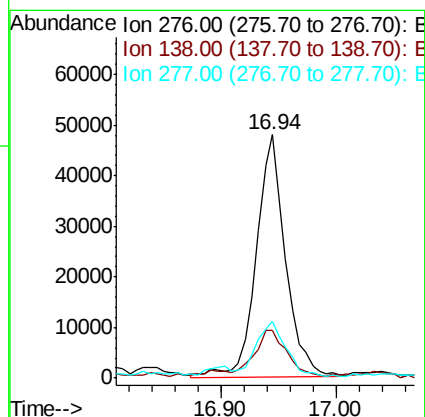
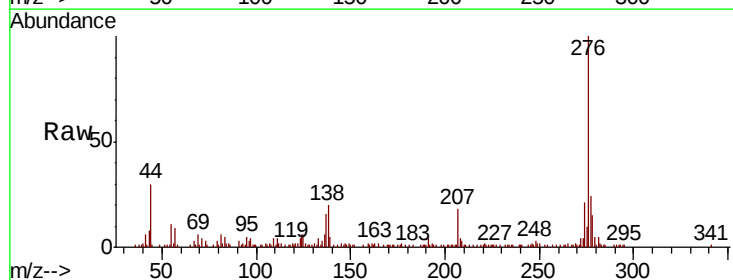
Instrument :
BNA_F
ClientSampleId :
MK-031220-0-2-COMP-B1

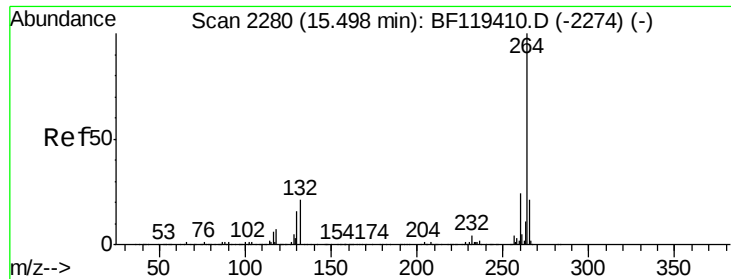
Tot Ion:228 Resp: 115344
Ion Ratio Lower Upper
228 100
226 29.3 24.8 37.2
229 20.9 16.6 25.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.187 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





#87

Pervlene-d12

Concen: 20.000 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

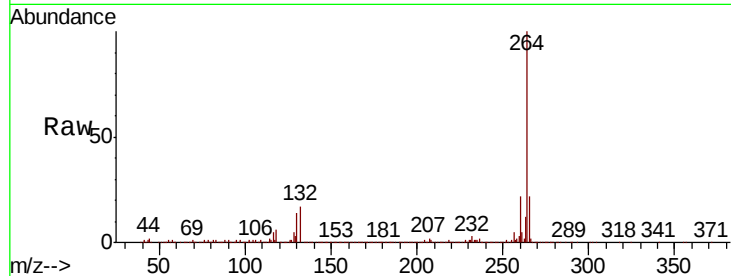
Tot Ion:264 Resp: 693285

Ion Ratio Lower Upper

264 100

260 22.4 19.2 28.8

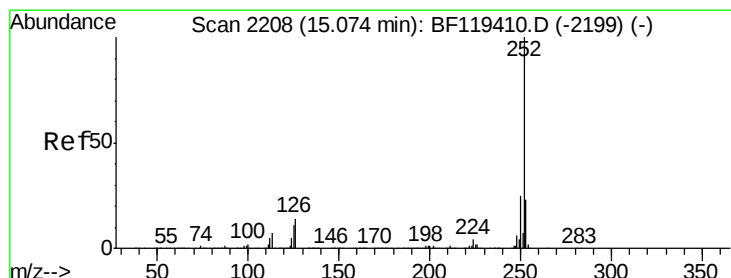
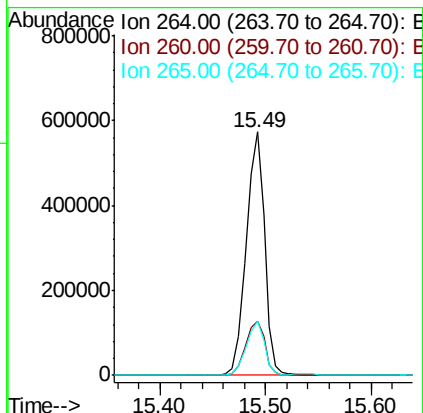
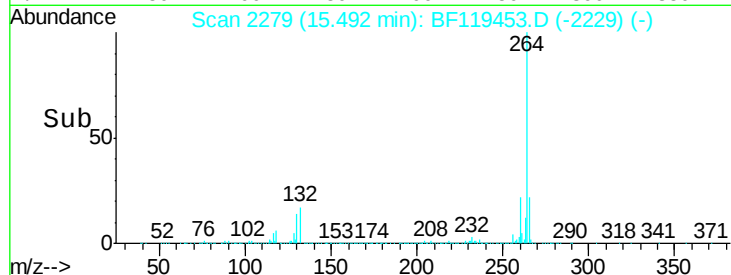
265 22.1 16.9 25.3



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: 3.434 ng m

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF119453.D

Acq: 19 Mar 2020 22:22

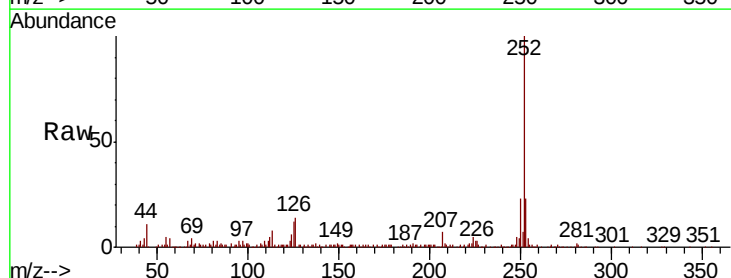
Tgt Ion:252 Resp: 159017

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.4

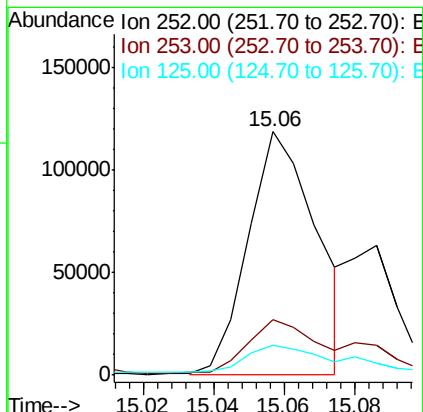
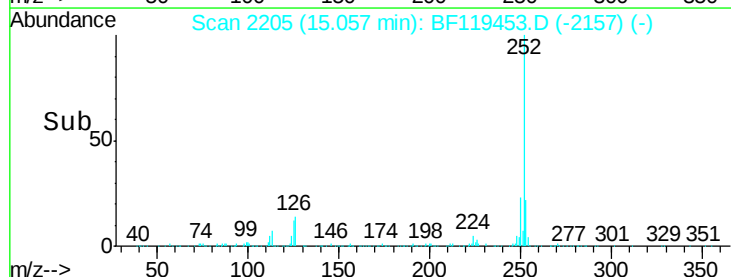
125 12.4 8.8 13.2

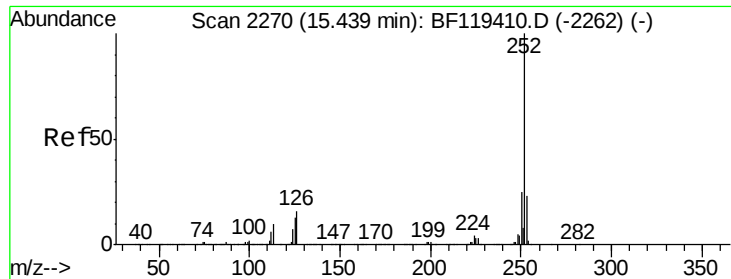


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.807 ng

RT: 15.42 min Scan# 2267

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

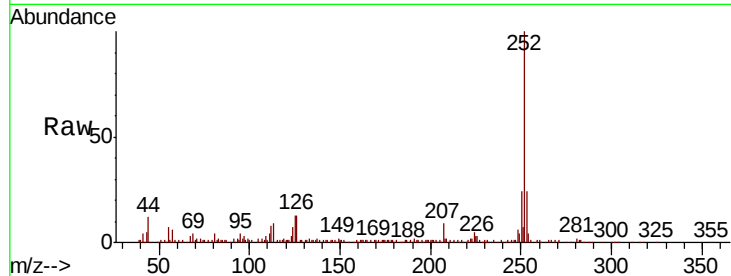
Tot Ion:252 Resp: 118130

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.4

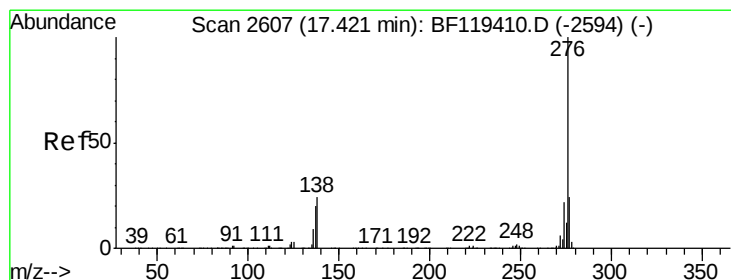
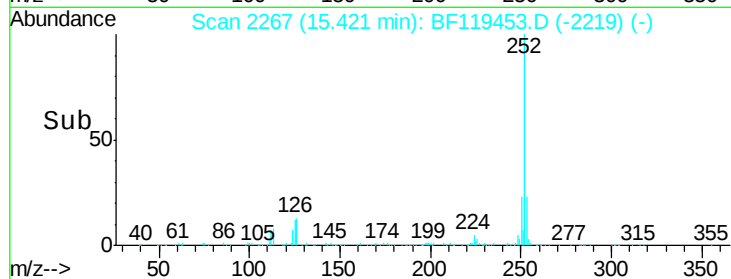
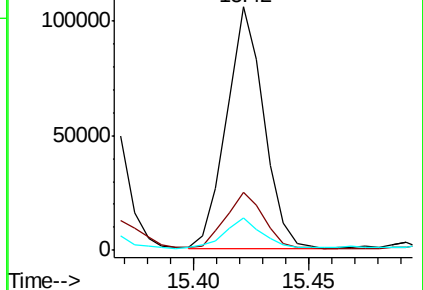
125 13.2 10.2 15.2



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



#92

Benzo(g,h,i)perylene

Concen: 2.188 ng

RT: 17.39 min Scan# 2601

Delta R.T. -0.04 min

Lab File: BF119453.D

Acq: 19 Mar 2020 22:22

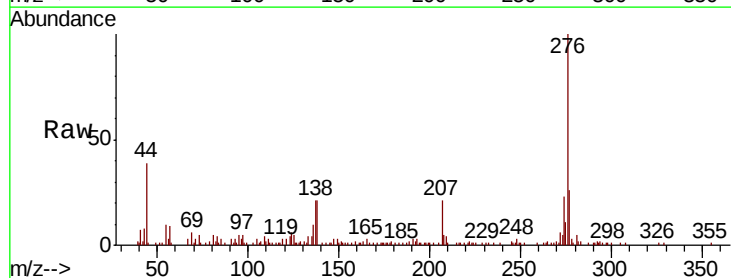
Tgt Ion:276 Resp: 80926

Ion Ratio Lower Upper

276 100

277 25.6 18.8 28.2

138 21.1 19.1 28.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

