

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115610.D
 Acq On : 16 Jul 2019 21:05
 Operator : HP/JU
 Sample : K3623-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 17 03:55:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	156039	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	568619	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	259739	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	473045	20.00	ng	0.00
76) Chrysene-d12	14.04	240	372942	20.00	ng	0.00
87) Perylene-d12	15.52	264	348624	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	435059	45.61	ng	0.00
7) Phenol-d6	6.50	99	552235	45.62	ng	-0.01
23) Nitrobenzene-d5	7.43	82	330558	33.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	125684	41.46	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	596627	40.20	ng	-0.01
79) Terphenyl-d14	12.99	244	641434	31.74	ng	-0.01

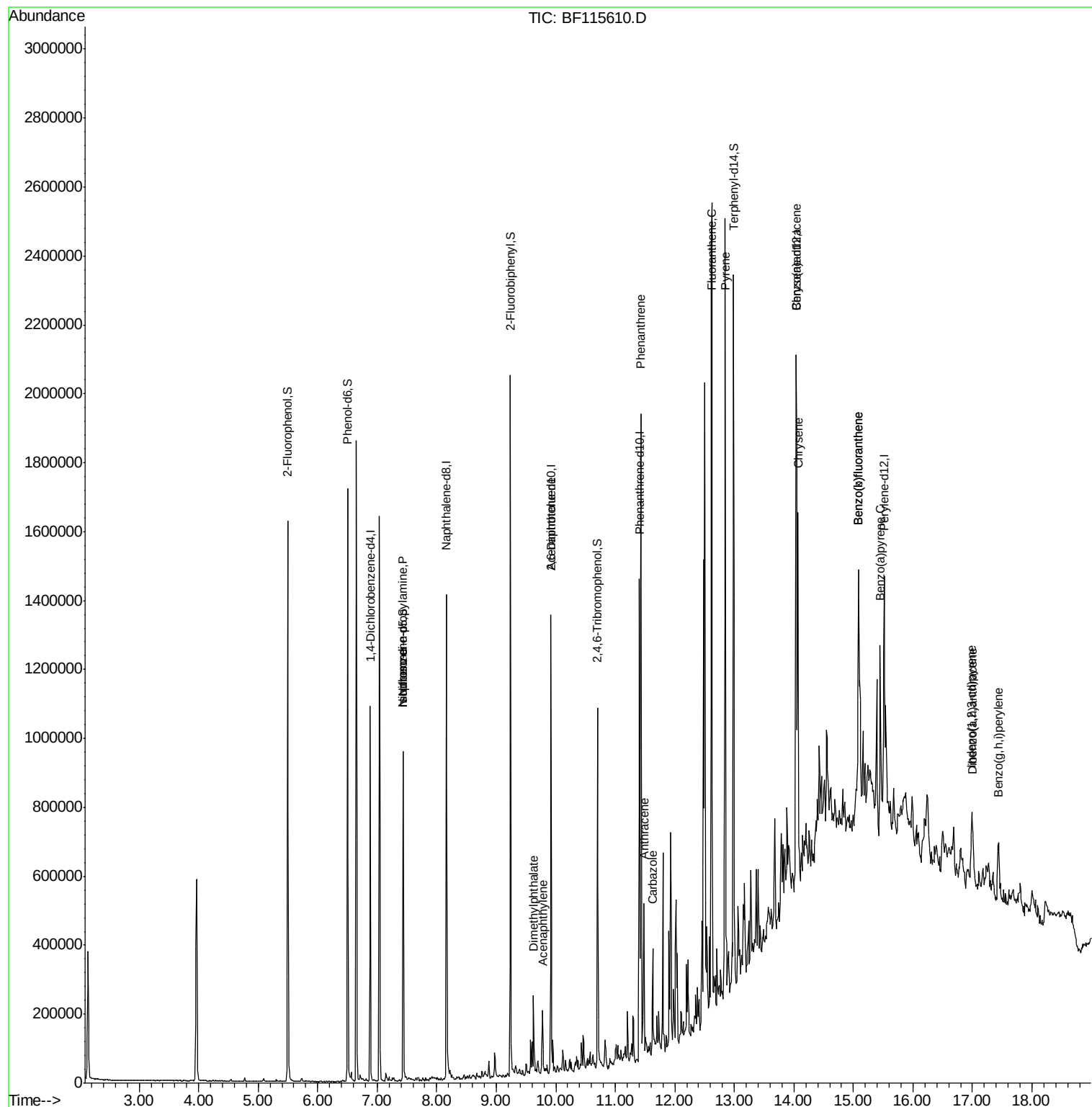
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.43	70	44168	5.595	ng	# 82
25) Isophorone	7.43	82	327088	16.715	ng	# 64
49) Acenaphthylene	9.78	152	72520	2.895	ng	97
50) Dimethylphthalate	9.63	163	79302	4.058	ng	99
51) 2,6-Dinitrotoluene	9.92	165	34150	7.690	ng	# 28
71) Phenanthrene	11.43	178	675067	27.840	ng	97
72) Anthracene	11.48	178	170781	6.815	ng	97
73) Carbazole	11.63	167	124737	5.676	ng	96
75) Fluoranthene	12.62	202	955572	37.293	ng	100
78) Pyrene	12.84	202	963948	30.508	ng	98
81) Benzo(a)anthracene	14.03	228	383326	15.602	ng	98
83) Chrysene	14.07	228	427763	17.343	ng	97
86) Indeno(1,2,3-cd)pyrene	16.99	276	137053	6.541	ng	97
88) Benzo(b)fluoranthene	15.09	252	518690	23.106	ng	97
89) Benzo(k)fluoranthene	15.09	252	518690	25.916	ng	98
90) Benzo(a)pyrene	15.45	252	252946	13.110	ng	# 95
91) Dibenzo(a,h)anthracene	17.00	278	37481	2.213	ng	# 81
92) Benzo(g,h,i)perylene	17.44	276	147140	8.710	ng	99

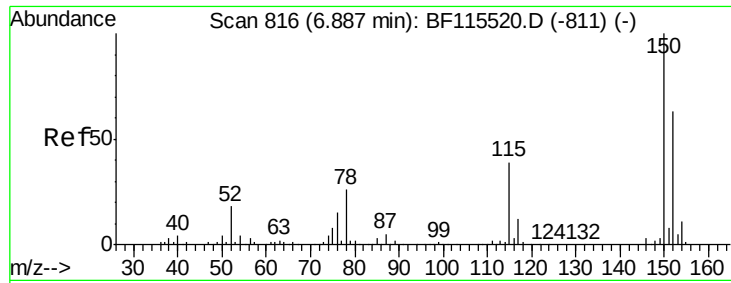
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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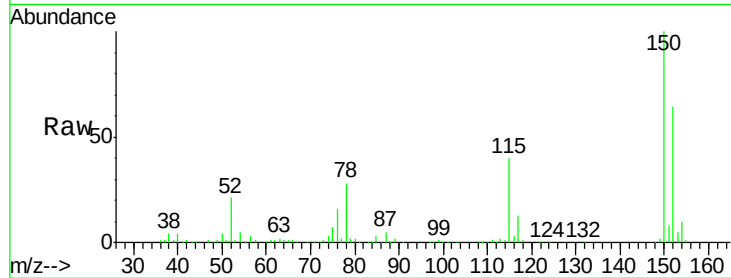


#1

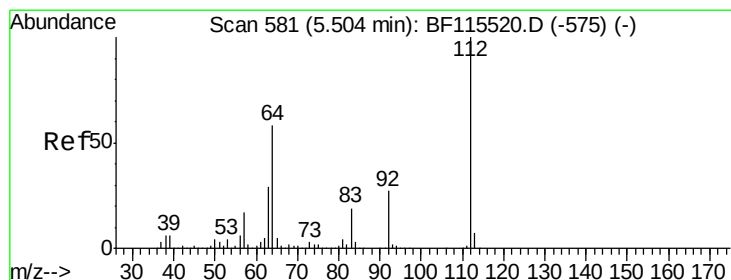
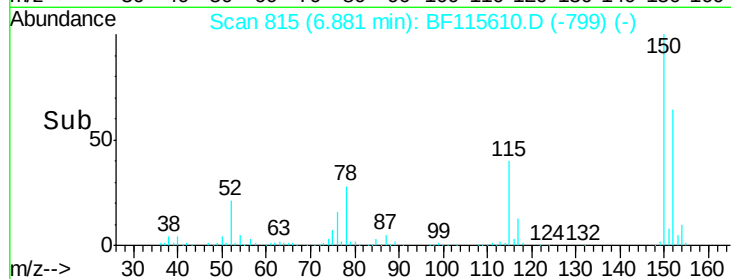
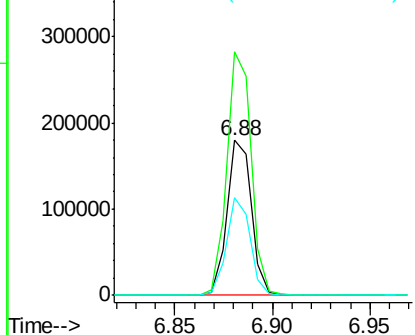
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 156039
Ion Ratio Lower Upper
152 100
150 156.9 129.7 194.5
115 62.9 48.2 72.4



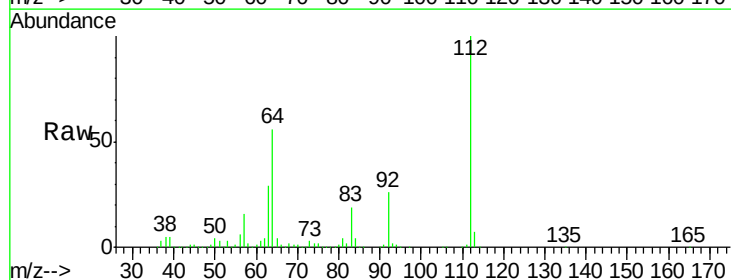
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



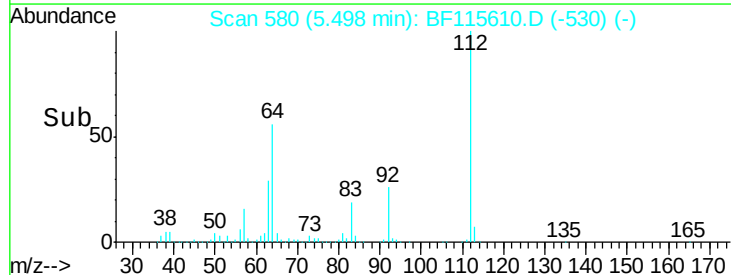
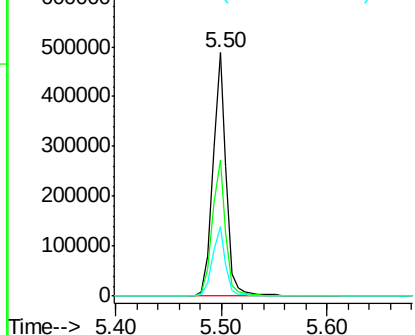
#5

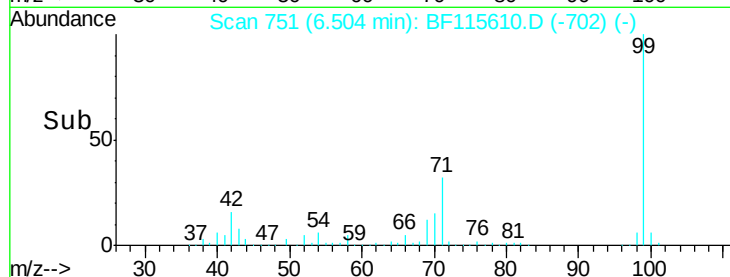
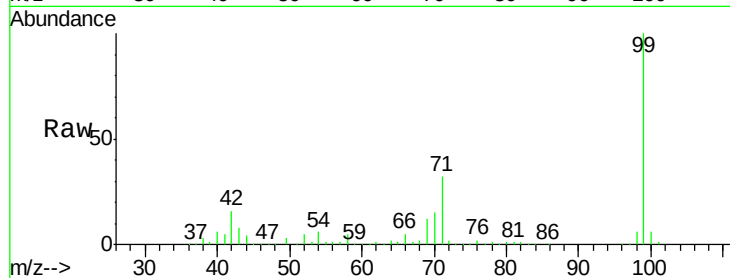
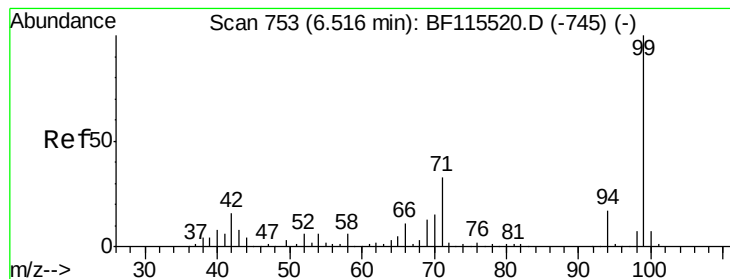
2-Fluorophenol
Concen: 45.606 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

Tgt Ion:112 Resp: 435059
Ion Ratio Lower Upper
112 100
64 55.8 46.8 70.2
63 28.7 24.1 36.1



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: 45.622 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Tot Ion: 99 Resp: 552235

Ion Ratio Lower Upper

99 100

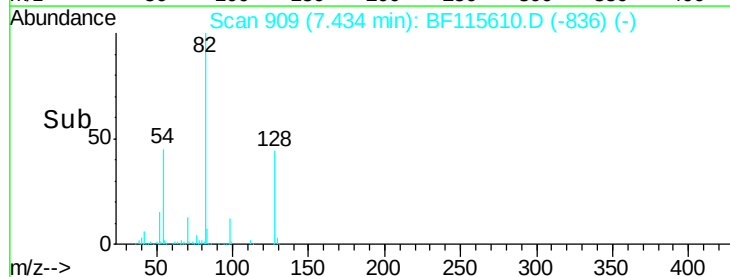
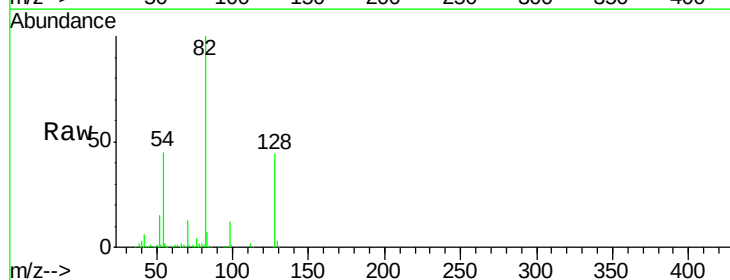
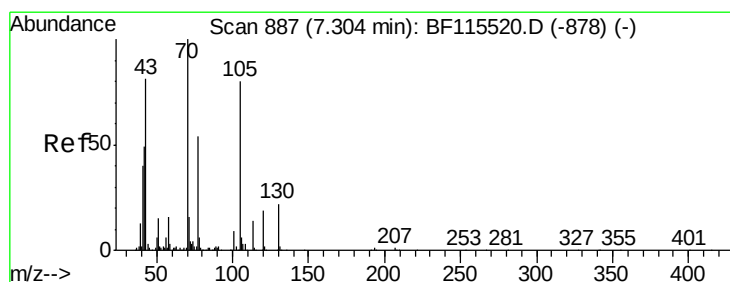
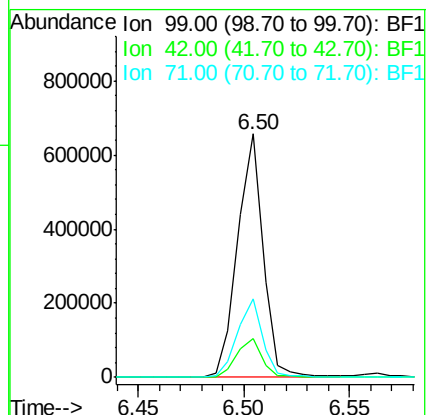
42 15.9 13.6 20.4

71 32.5 28.5 42.7

Instrument :

BNA_F

ClientSampleId :



#19

n-Nitroso-di-n-propylamine

Concen: 5.595 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.13 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Tgt Ion: 70 Resp: 44168

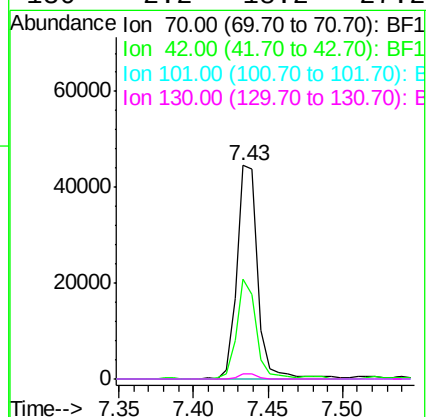
Ion Ratio Lower Upper

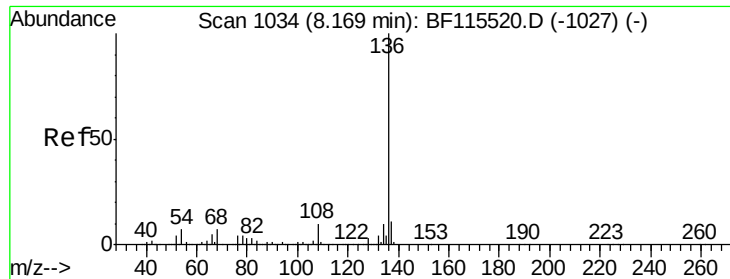
70 100

42 46.5 39.6 59.4

101 0.0 8.1 12.1#

130 2.2 18.2 27.2#

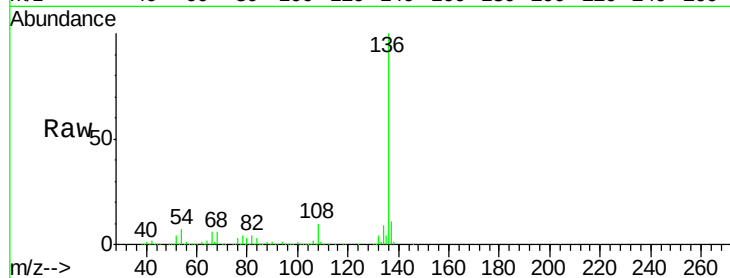




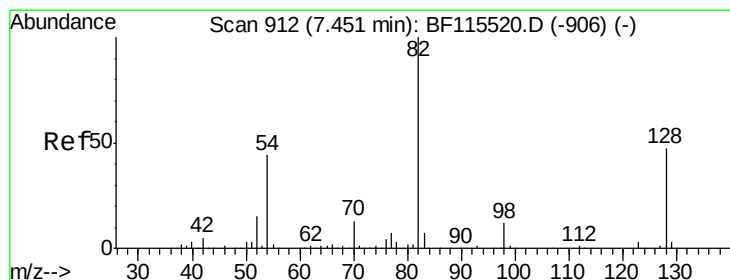
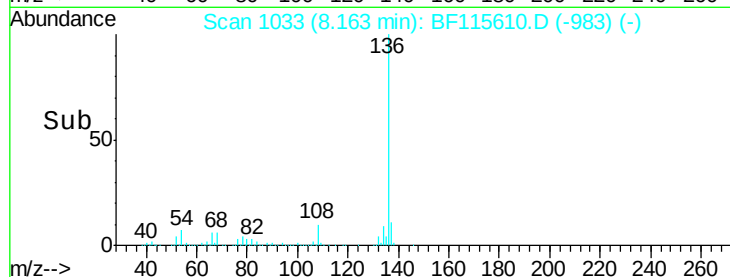
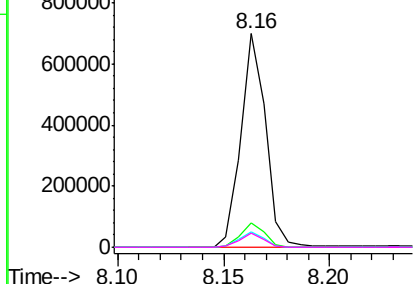
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	568619
Ion	Ratio	Lower Upper
136	100	
137	11.4	9.0 13.4
54	7.3	5.6 8.4
68	6.5	5.0 7.6

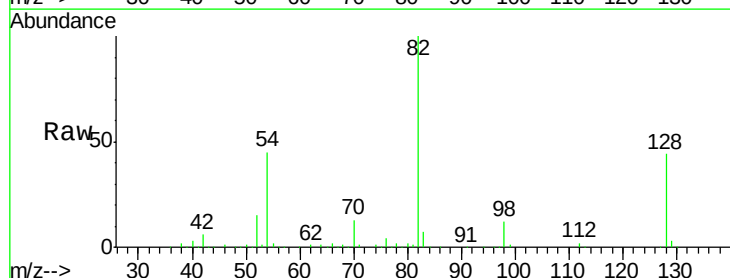


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

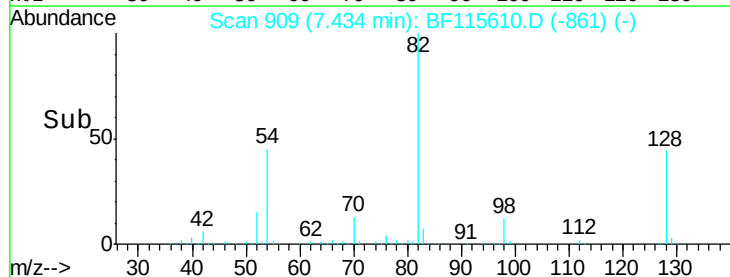
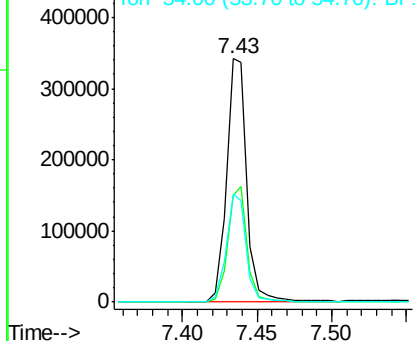


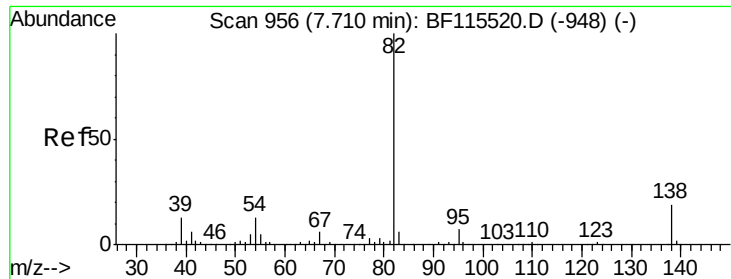
#23
Nitrobenzene-d5
Concen: 33.803 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

Tgt Ion: 82	Resp:	330558
Ion	Ratio	Lower Upper
82	100	
128	43.7	38.6 57.8
54	44.6	35.6 53.4



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: 16.715 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.28 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Instrument :

BNA_F

ClientSampled :

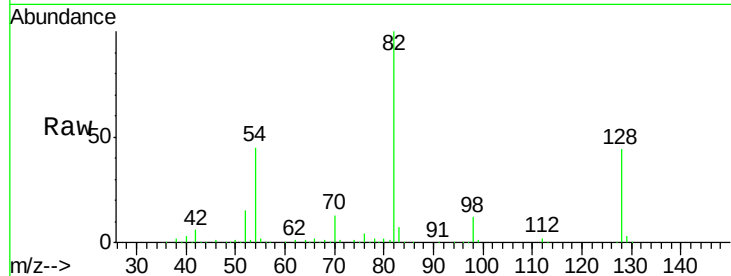
Tot Ion: 82 Resp: 327088

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

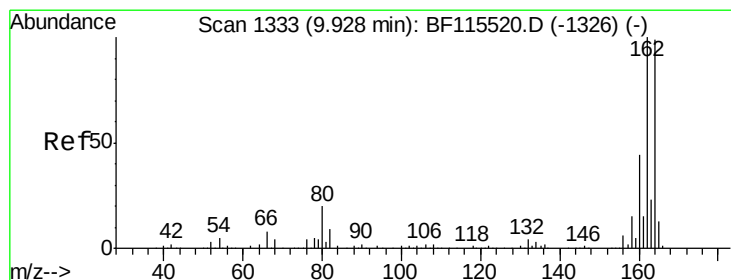
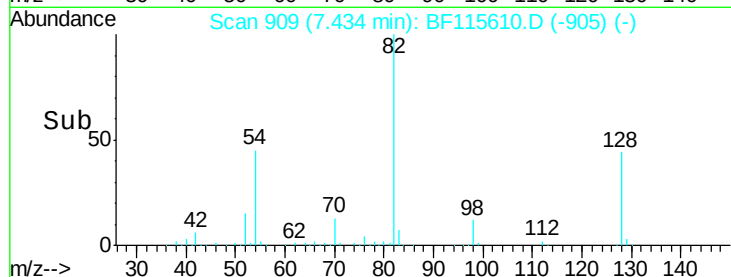
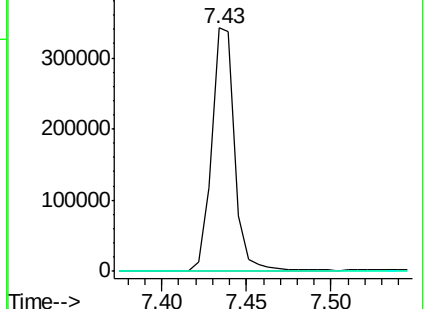
138 0.0 14.9 22.3#



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: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

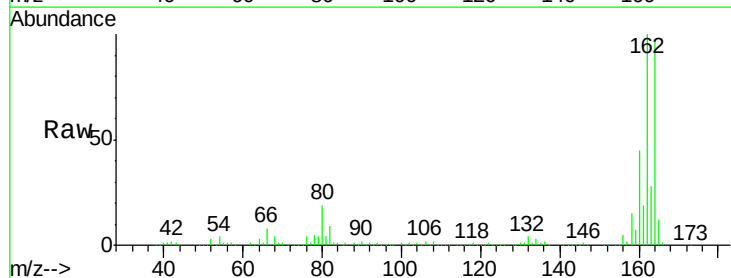
Tgt Ion: 164 Resp: 259739

Ion Ratio Lower Upper

164 100

162 103.1 82.9 124.3

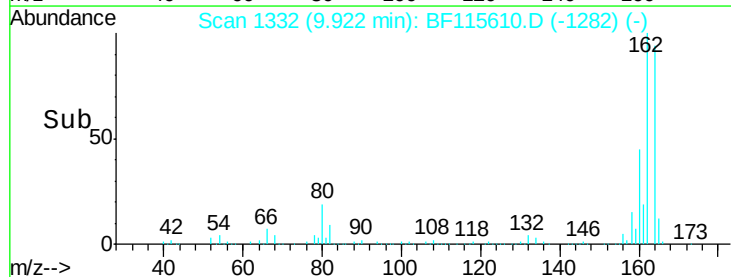
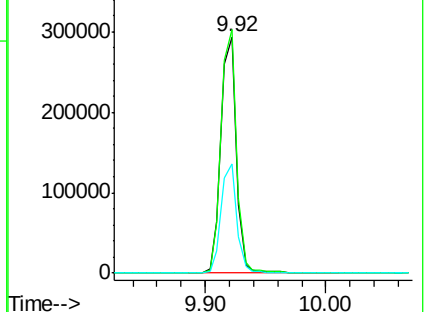
160 46.4 36.8 55.2

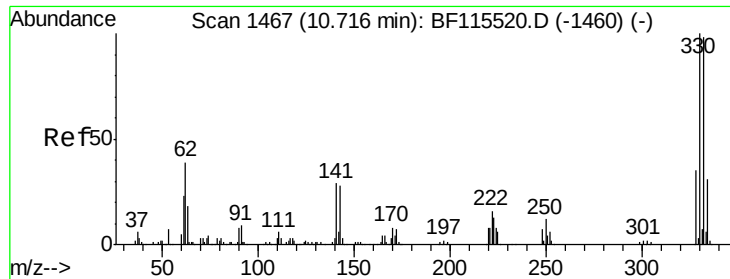


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 41.455 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Instrument :

BNA_F

ClientSampleId :

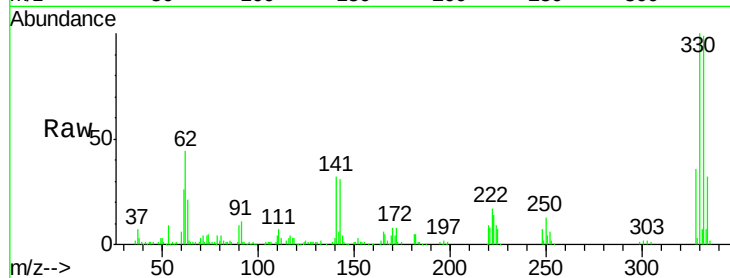
Tot Ion:330 Resp: 125684

Ion Ratio Lower Upper

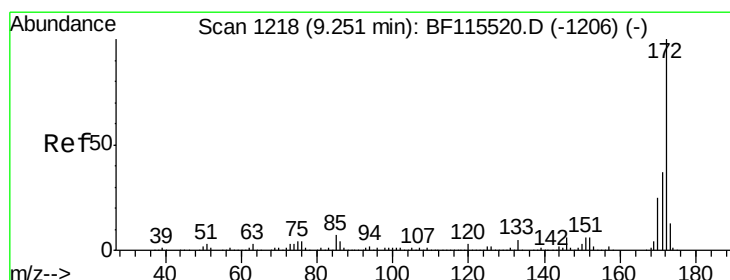
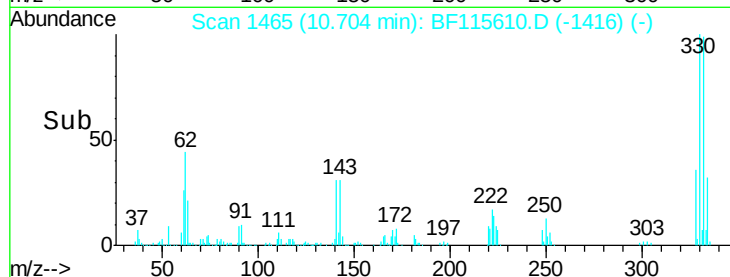
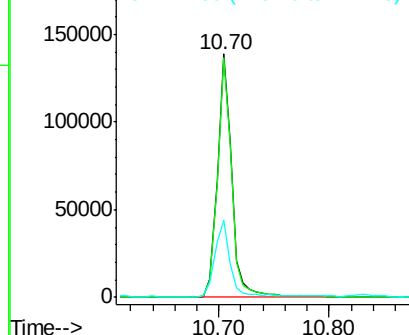
330 100

332 98.7 77.4 116.2

141 31.9 22.4 33.6



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: 40.204 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

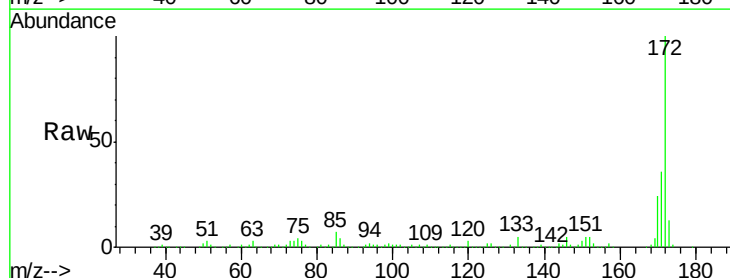
Tgt Ion:172 Resp: 596627

Ion Ratio Lower Upper

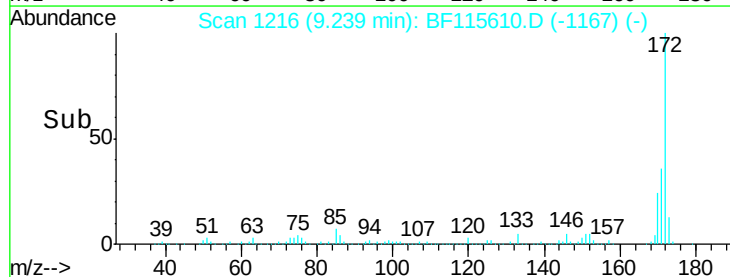
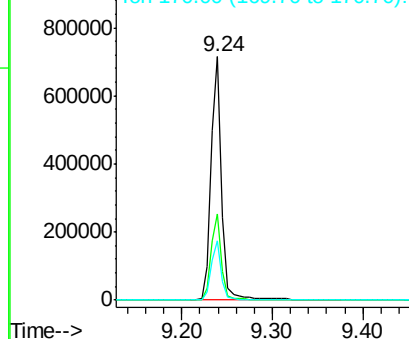
172 100

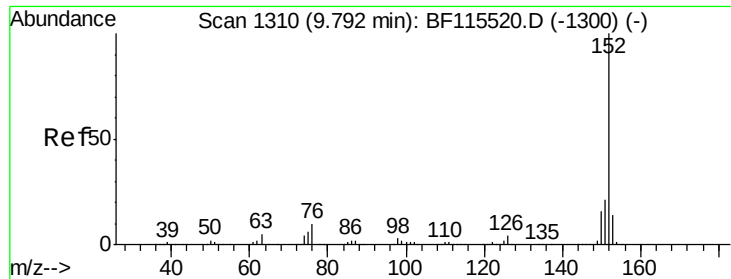
171 35.6 30.6 46.0

170 24.3 20.5 30.7



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





#49

Acenaphthylene

Concen: 2.895 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Instrument :

BNA_F

ClientSampled :

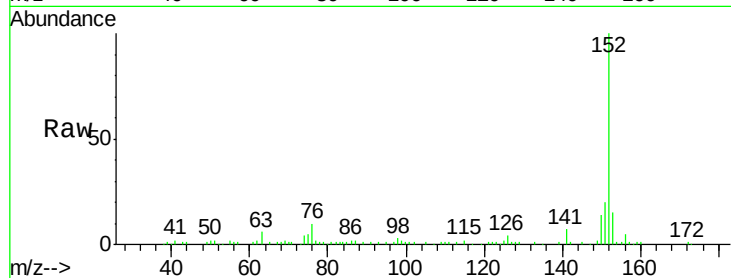
Tot Ion:152 Resp: 72520

Ion Ratio Lower Upper

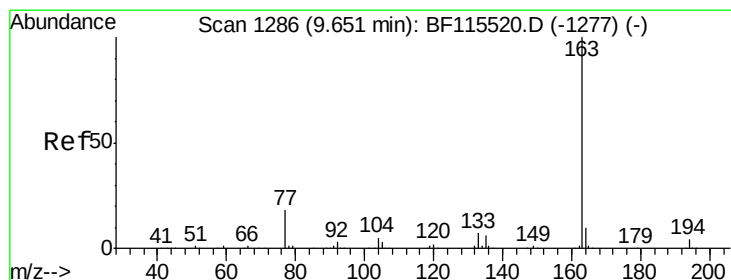
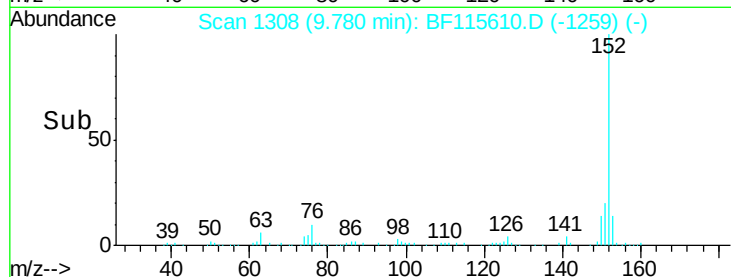
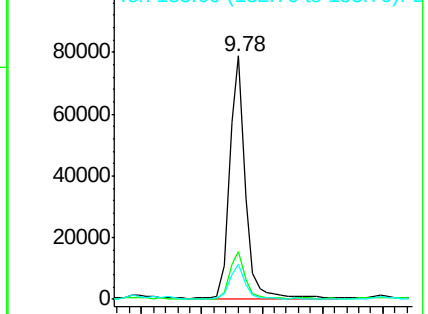
152 100

151 19.8 17.7 26.5

153 14.6 12.0 18.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.058 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

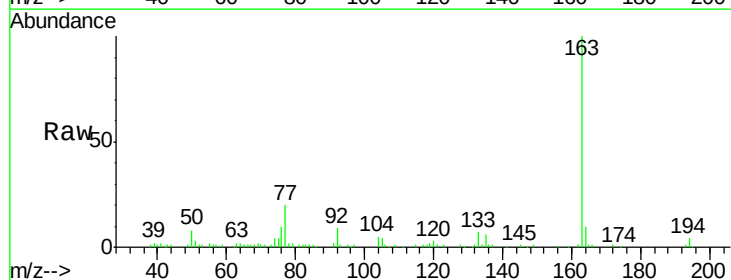
Tgt Ion:163 Resp: 79302

Ion Ratio Lower Upper

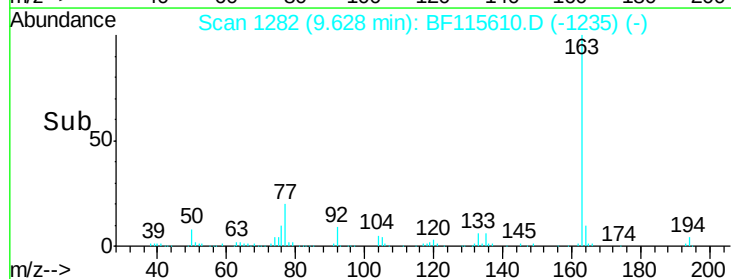
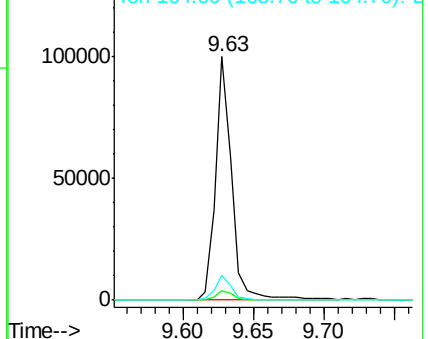
163 100

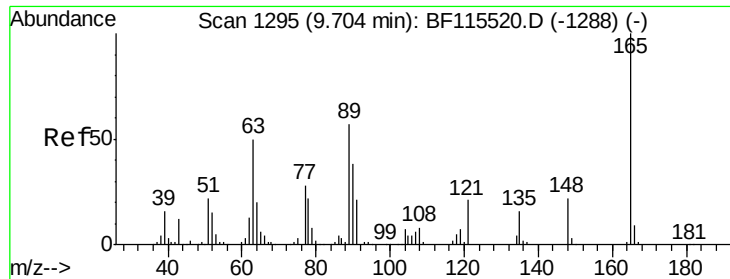
194 4.1 3.3 4.9

164 10.2 8.7 13.1



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

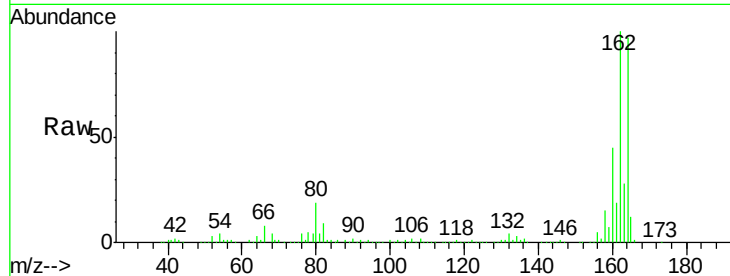




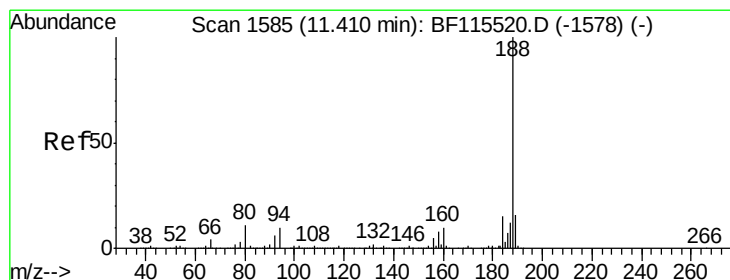
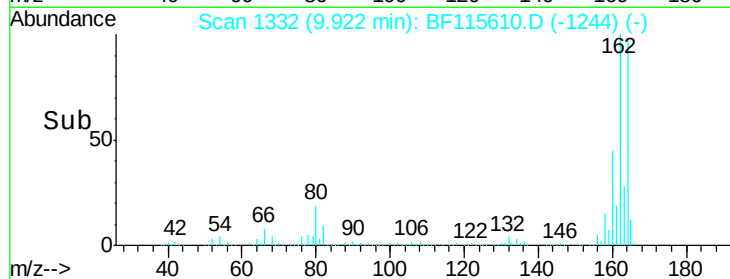
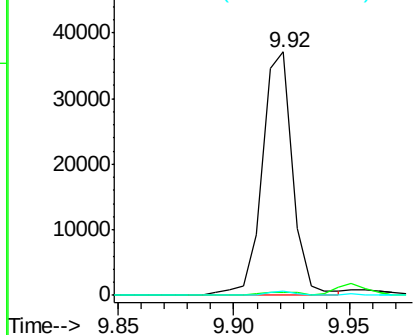
#51
 2,6-Dinitrotoluene
 Concen: 7.690 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.22 min
 Lab File: BF115610.D
 Acq: 16 Jul 2019 21:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 34150
 Ion Ratio Lower Upper
 165 100
 63 1.4 40.6 61.0#
 89 1.7 43.9 65.9#

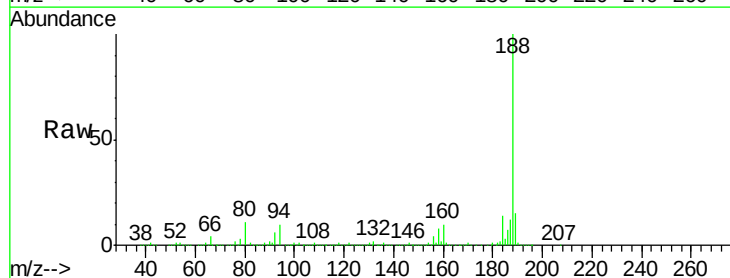


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

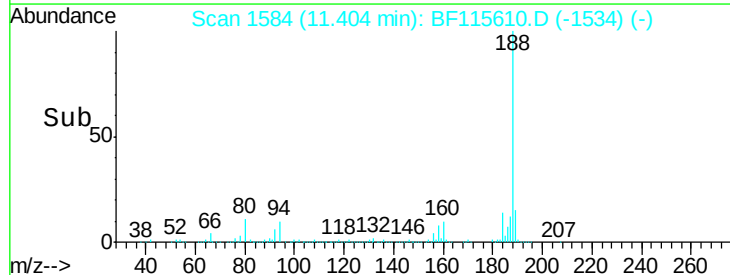
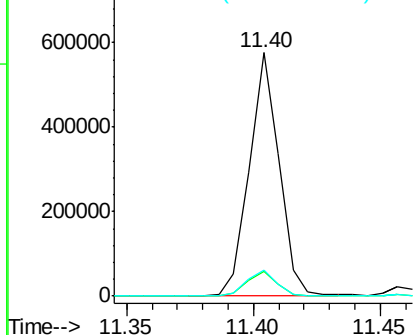


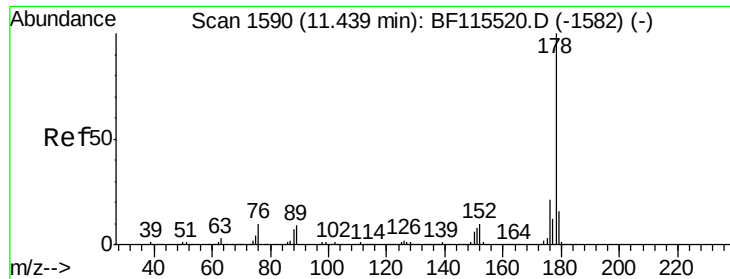
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115610.D
 Acq: 16 Jul 2019 21:05

Tgt Ion:188 Resp: 473045
 Ion Ratio Lower Upper
 188 100
 94 10.0 7.8 11.6
 80 10.7 8.6 13.0



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

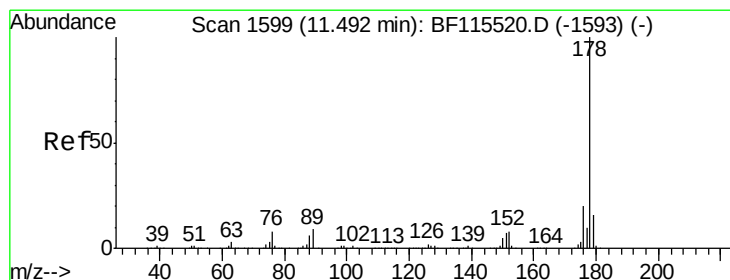
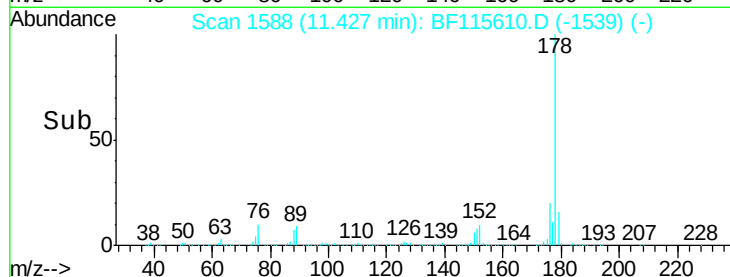
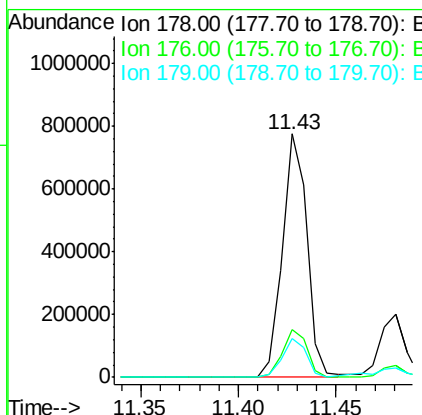
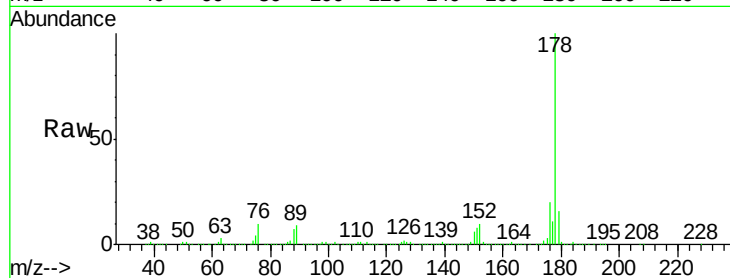




#71
 Phenanthrene
 Concen: 27.840 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF115610.D
 Acq: 16 Jul 2019 21:05

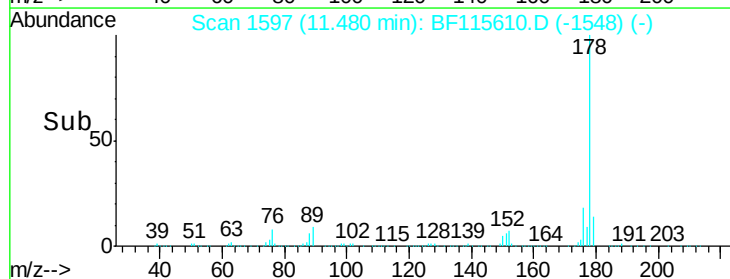
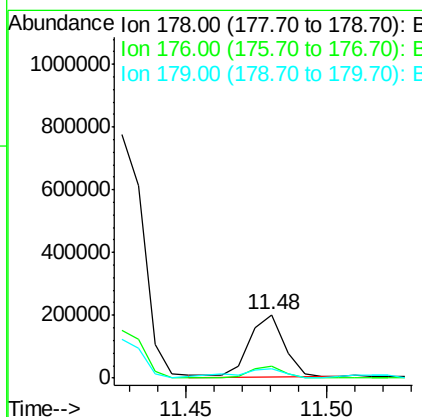
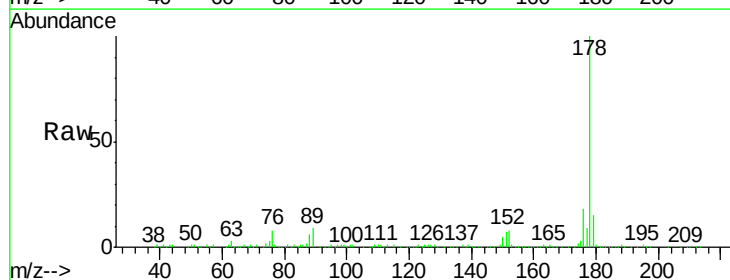
Instrument :
 BNA_F
 ClientSampleId :

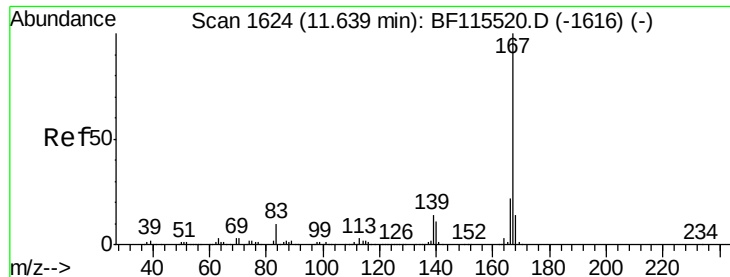
Tot Ion:178 Resp: 675067
 Ion Ratio Lower Upper
 178 100
 176 19.7 17.2 25.8
 179 15.8 13.5 20.3



#72
 Anthracene
 Concen: 6.815 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF115610.D
 Acq: 16 Jul 2019 21:05

Tgt Ion:178 Resp: 170781
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.9 23.9
 179 14.8 12.7 19.1





#73

Carbazole

Concen: 5.676 ng

RT: 11.63 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Instrument :

BNA_F

ClientSampleId :

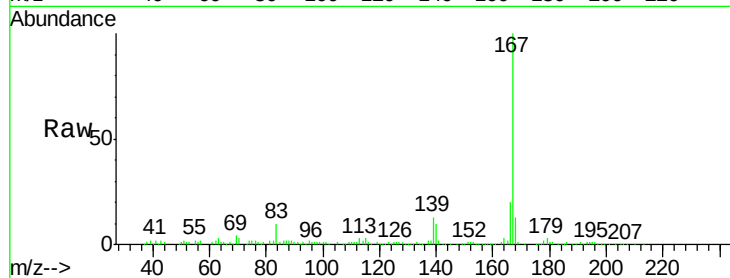
Tot Ion:167 Resp: 124737

Ion Ratio Lower Upper

167 100

166 20.3 18.1 27.1

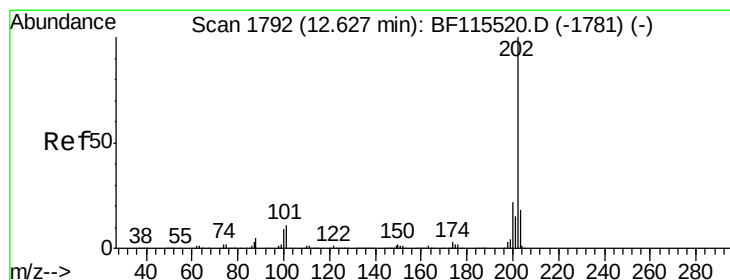
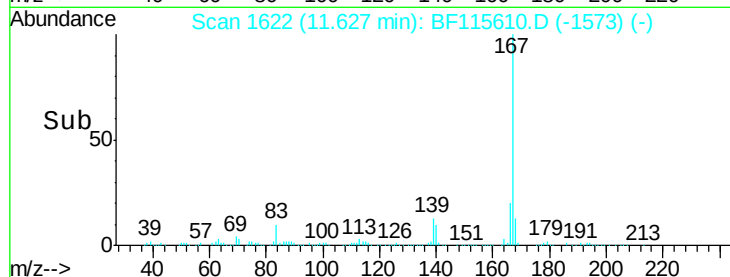
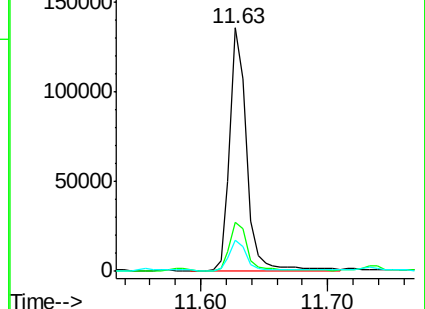
139 12.9 11.3 16.9



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 37.293 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

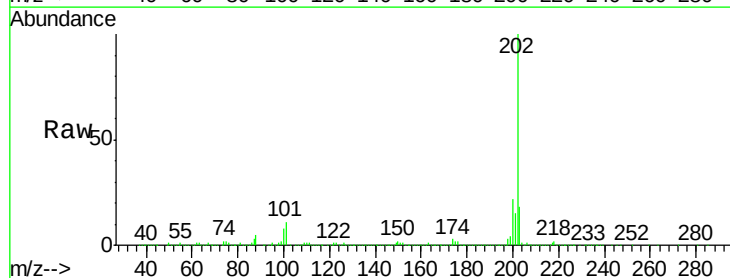
Tgt Ion:202 Resp: 955572

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.4

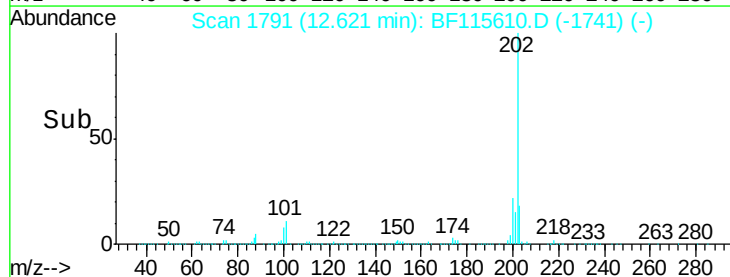
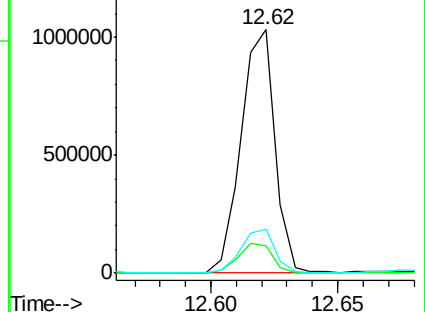
203 18.1 0.0 38.1

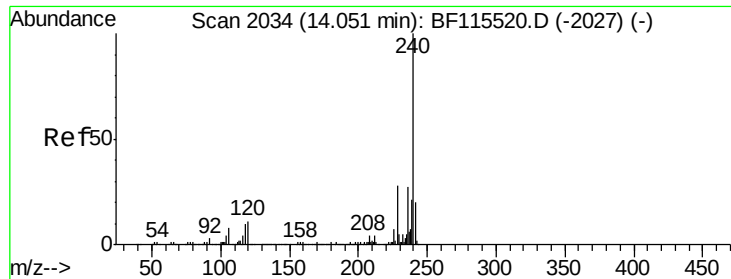


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

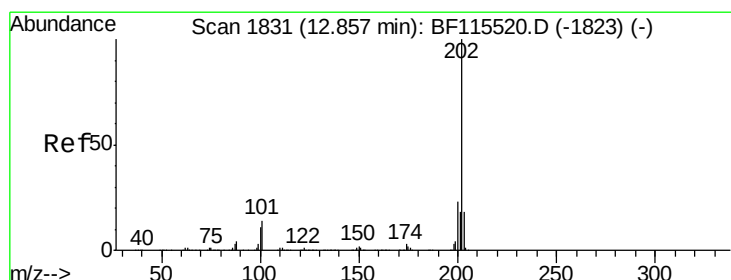
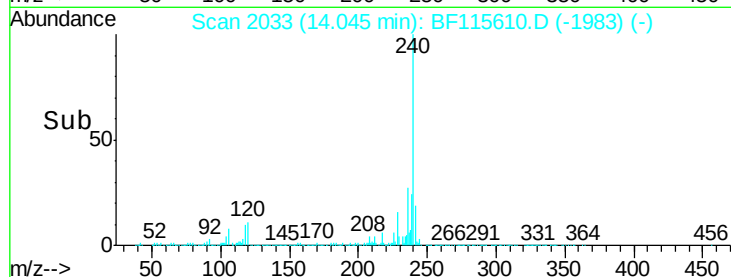
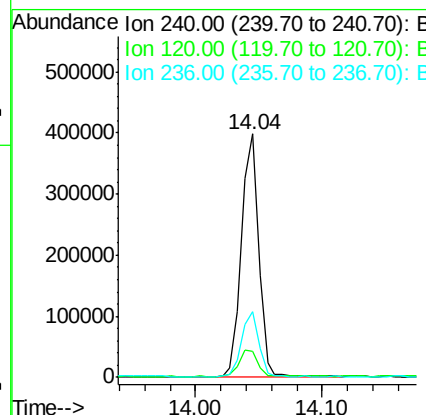
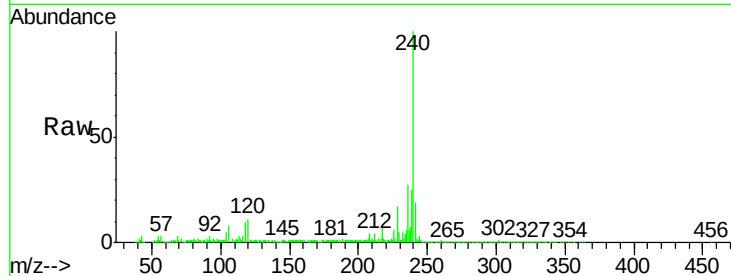




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

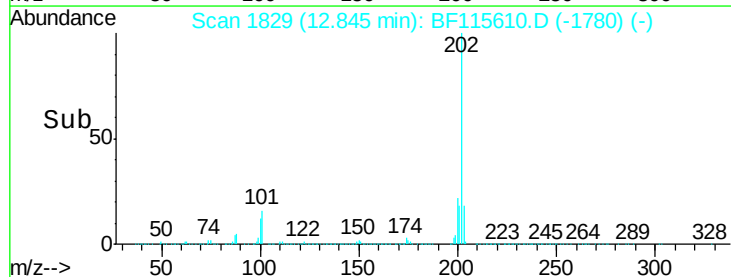
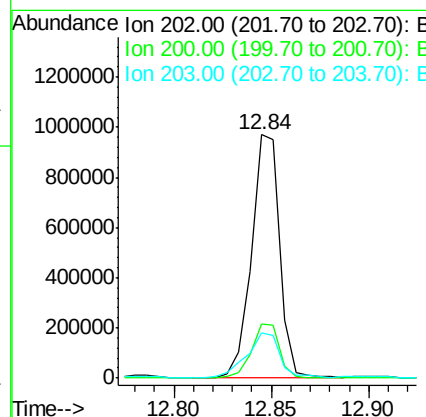
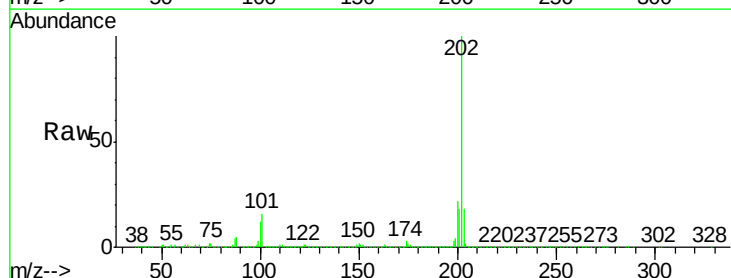
Instrument :
BNA_F
ClientSampled :

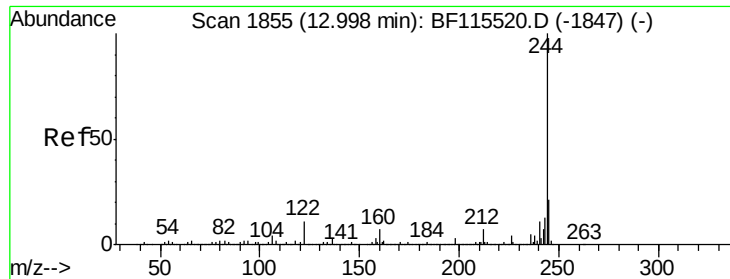
Tot Ion:240 Resp: 372942
Ion Ratio Lower Upper
240 100
120 10.9 8.6 13.0
236 27.2 21.3 31.9



#78
Pyrene
Concen: 30.508 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

Tgt Ion:202 Resp: 963948
Ion Ratio Lower Upper
202 100
200 22.1 18.7 28.1
203 18.5 15.2 22.8

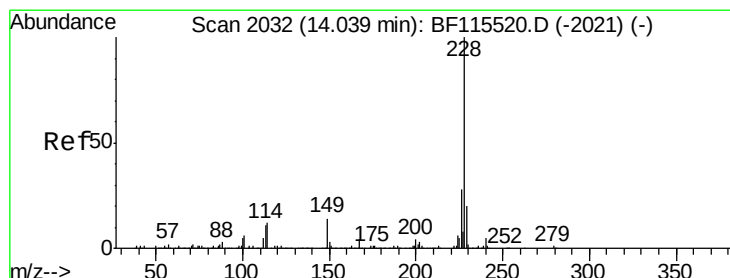
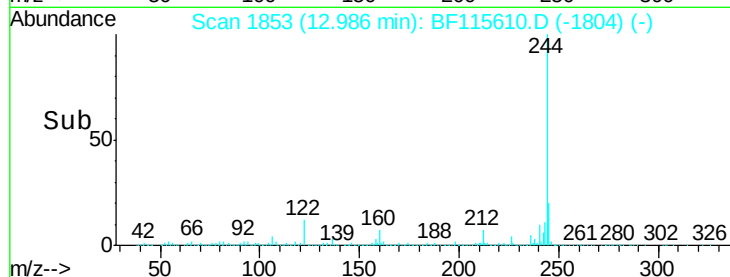
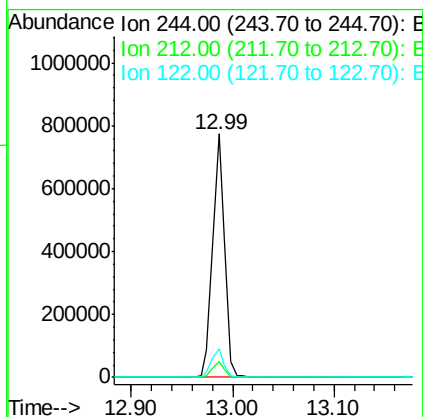
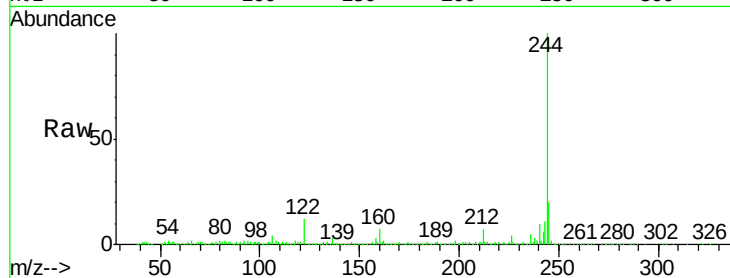




#79
 Terphenyl-d14
 Concen: 31.736 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BF115610.D
 Acq: 16 Jul 2019 21:05

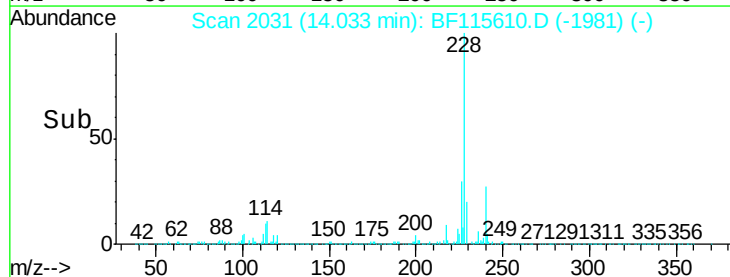
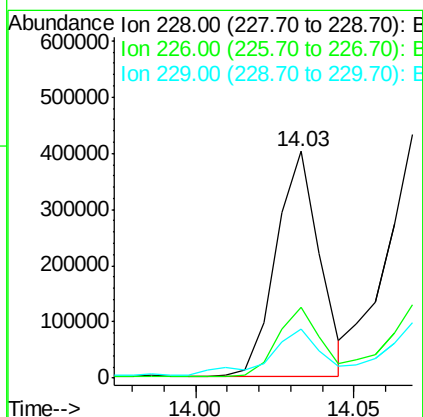
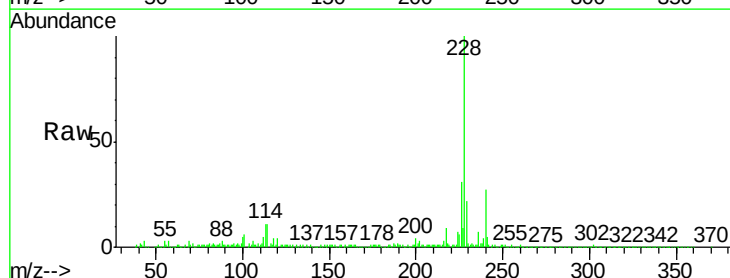
Instrument :
 BNA_F
 ClientSampled :

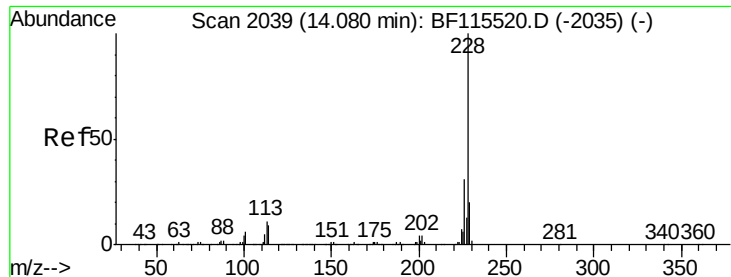
Tot Ion:244 Resp: 641434
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 11.8 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 15.602 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF115610.D
 Acq: 16 Jul 2019 21:05

Tgt Ion:228 Resp: 383326
 Ion Ratio Lower Upper
 228 100
 226 31.2 23.4 35.0
 229 21.7 17.2 25.8





#83

Chrysene

Concen: 17.343 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Instrument :

BNA_F

ClientSampleId :

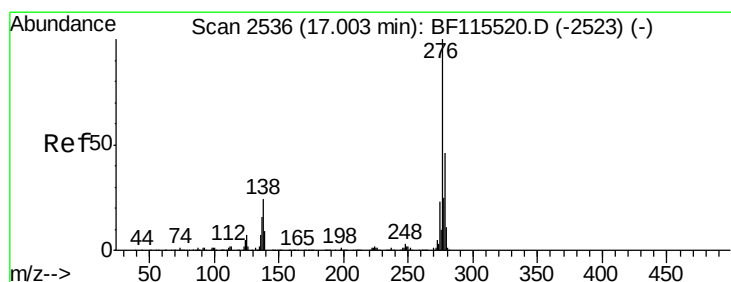
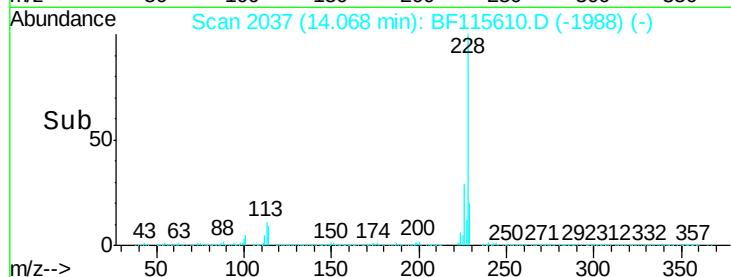
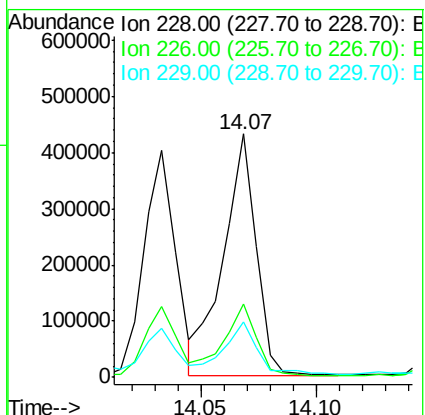
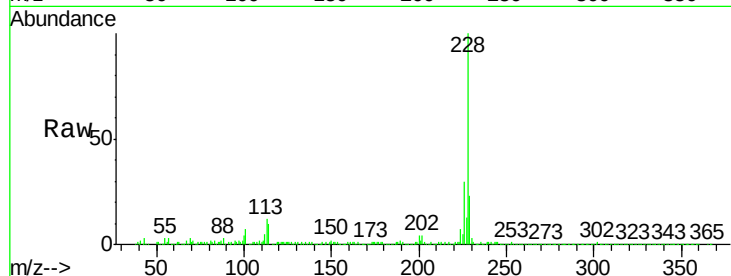
Tot Ion:228 Resp: 427763

Ion Ratio Lower Upper

228 100

226 30.3 25.7 38.5

229 22.6 16.6 25.0



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.541 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

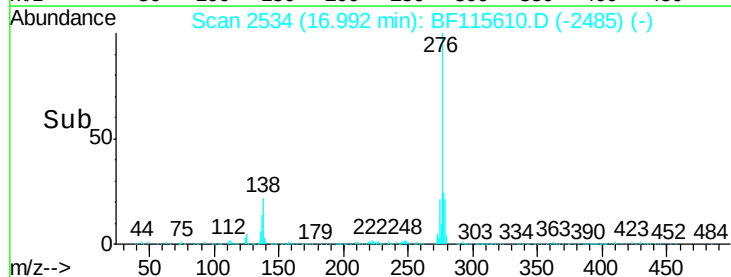
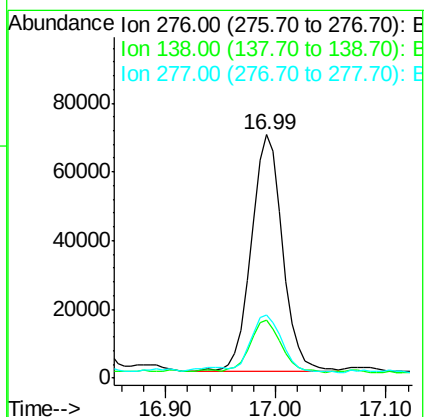
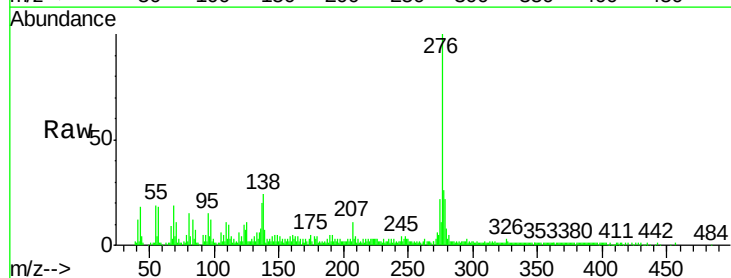
Tgt Ion:276 Resp: 137053

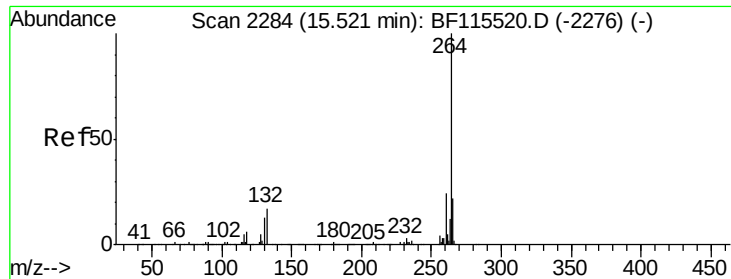
Ion Ratio Lower Upper

276 100

138 23.1 20.2 30.2

277 24.6 20.4 30.6

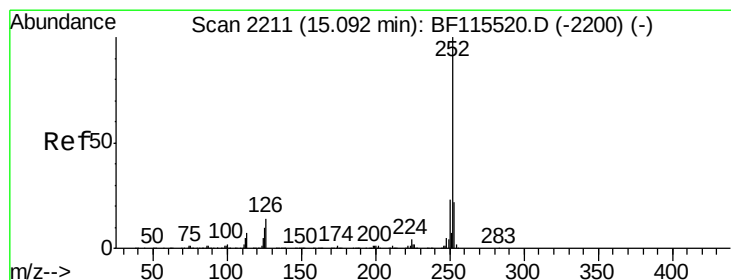
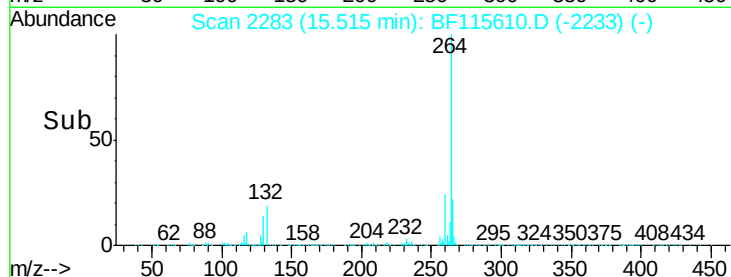
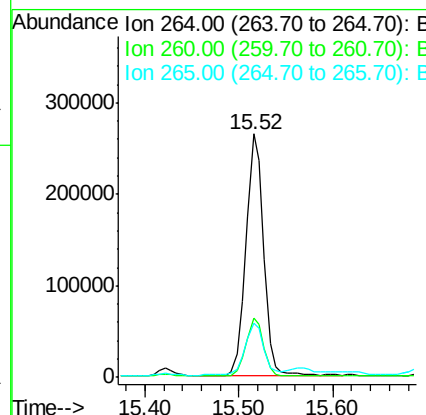
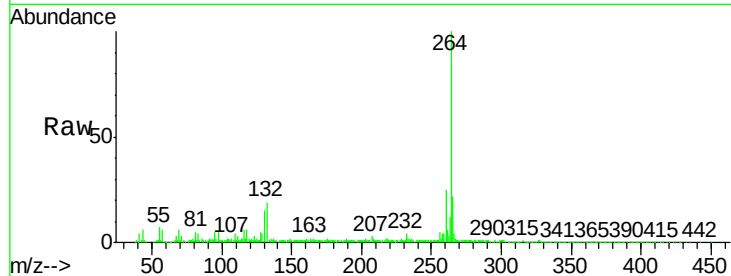




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

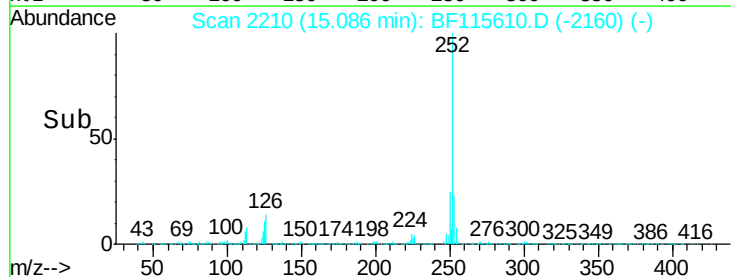
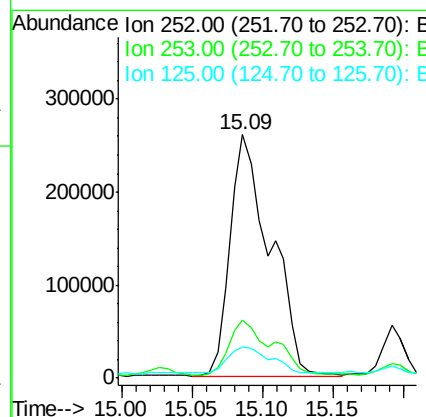
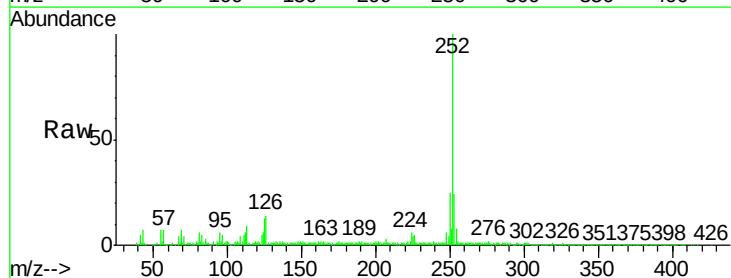
Instrument :
BNA_F
ClientSampleId :

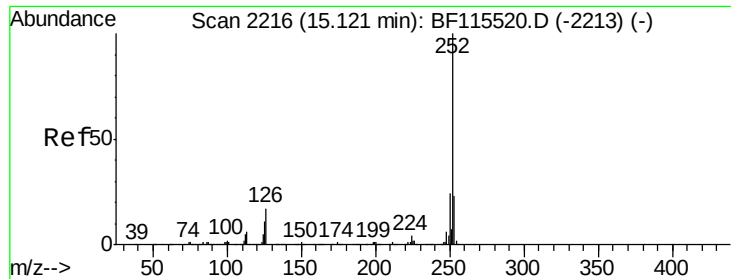
Tot Ion:264 Resp: 348624
Ion Ratio Lower Upper
264 100
260 24.6 19.8 29.8
265 22.5 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 23.106 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

Tgt Ion:252 Resp: 518690
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 12.7 9.0 13.4





#89

Benzo(k)fluoranthene

Concen: 25.916 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.04 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Instrument :

BNA_F

ClientSampleId :

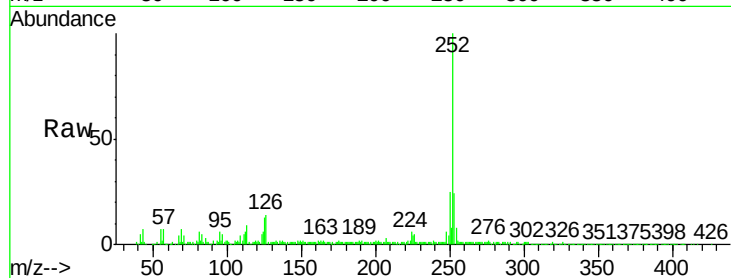
Tot Ion:252 Resp: 518690

Ion Ratio Lower Upper

252 100

253 23.8 18.6 28.0

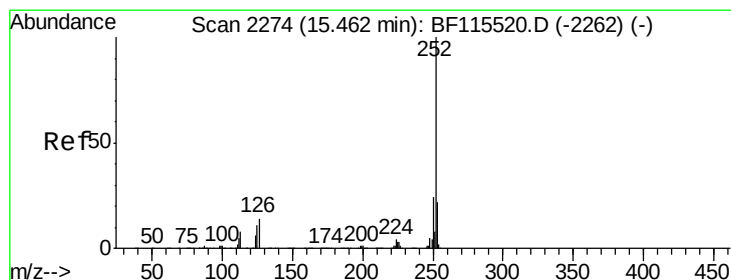
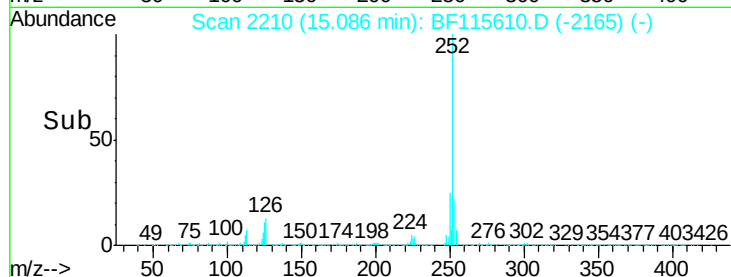
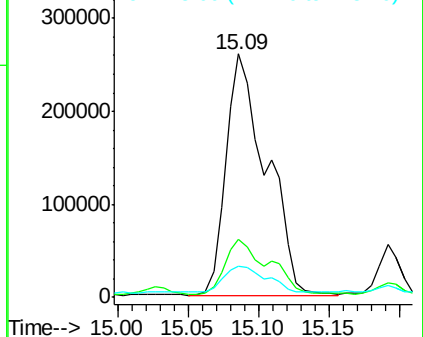
125 12.7 9.0 13.6



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: 13.110 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

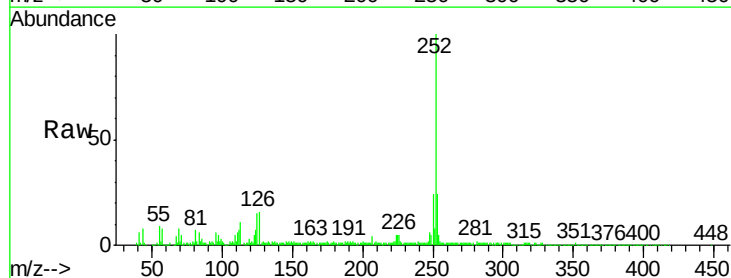
Tgt Ion:252 Resp: 252946

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

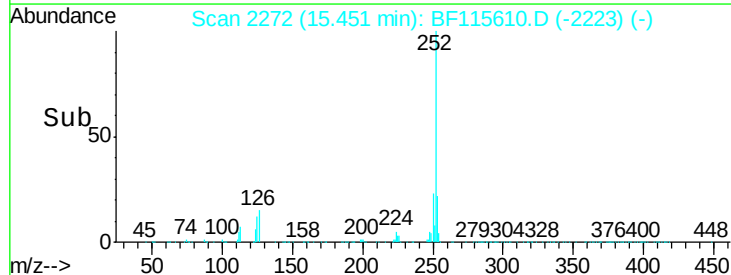
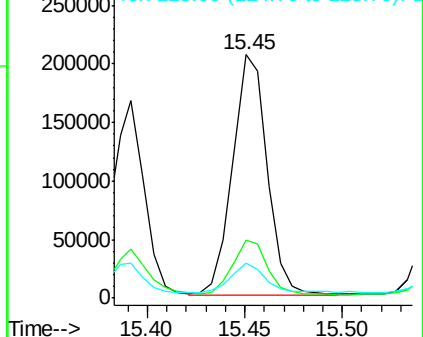
125 14.5 9.1 13.7#

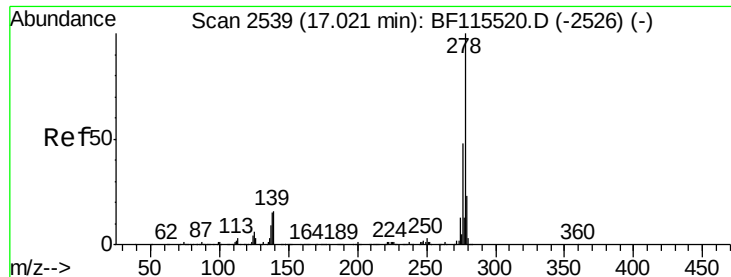


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

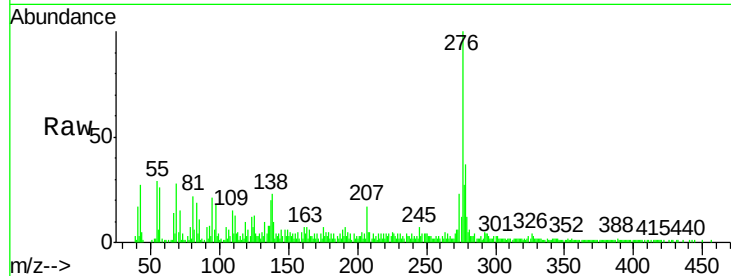




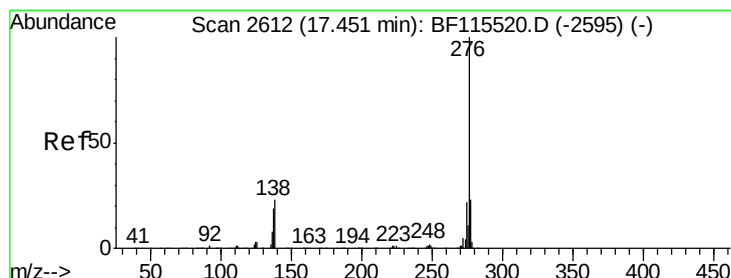
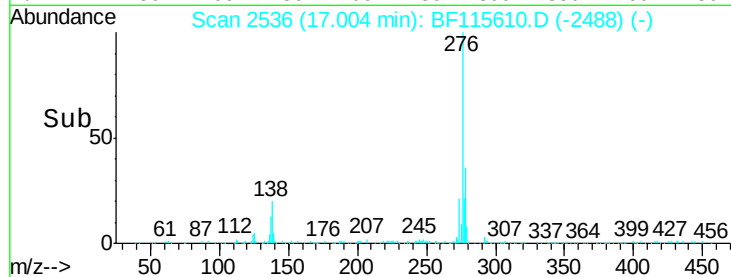
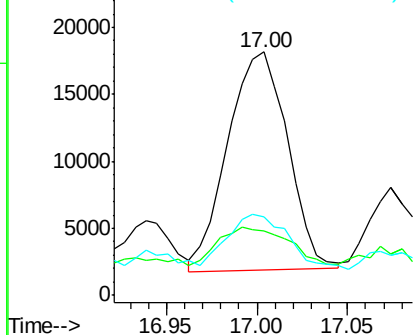
#91
Dibenzo(a,h)anthracene
Concen: 2.213 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.02 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 37481
Ion Ratio Lower Upper
278 100
139 26.7 13.1 19.7#
279 32.0 19.6 29.4#

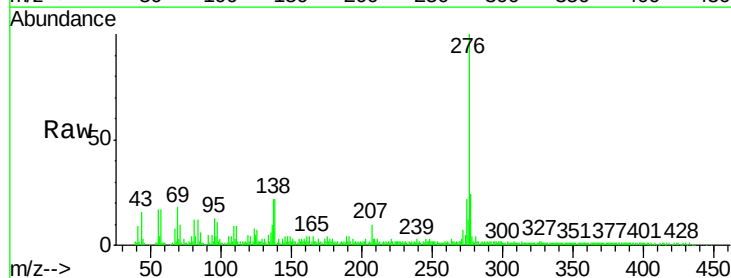


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 8.710 ng
RT: 17.44 min Scan# 2610
Delta R.T. -0.01 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

Tgt Ion:276 Resp: 147140
Ion Ratio Lower Upper
276 100
277 23.5 19.0 28.4
138 22.3 17.2 25.8



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

