

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116180.D
 Acq On : 11 Aug 2019 7:11
 Operator : HP/JU
 Sample : K4165-04 2X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 04:26:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	150381	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	586039	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	278557	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	412903	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	297231	20.00	ng	0.00
87) Perylene-d12	15.47	264	266015	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	350967	39.07	ng	0.00
7) Phenol-d6	6.47	99	470210	41.49	ng	-0.02
23) Nitrobenzene-d5	7.40	82	295322	29.09	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	84432	31.26	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	553049	37.19	ng	-0.02
79) Terphenyl-d14	12.93	244	439882	31.18	ng	-0.02

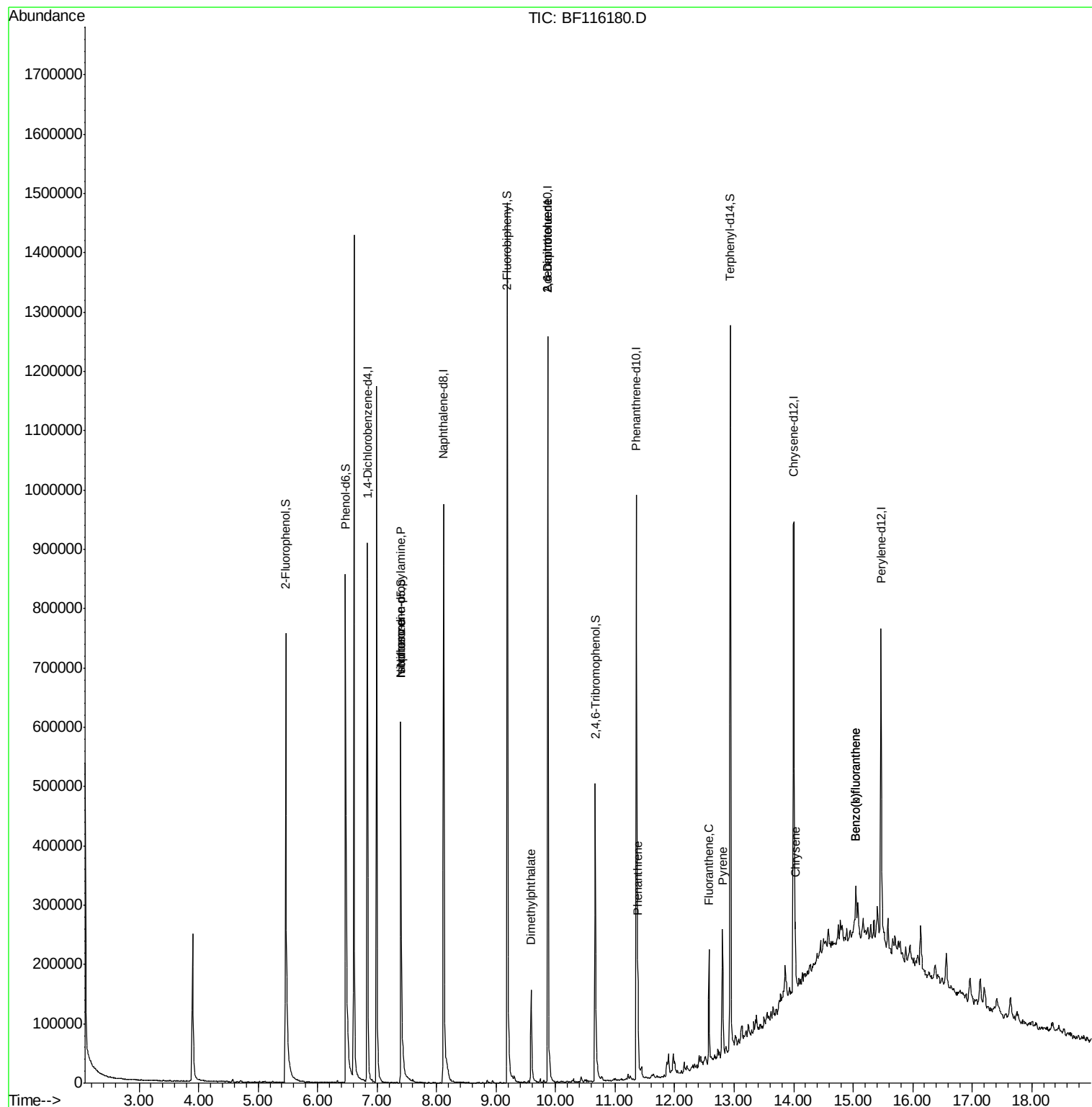
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	37182	5.294	ng	# 82
25) Isophorone	7.40	82	295321	15.212	ng	# 65
50) Dimethylphthalate	9.59	163	95153	5.017	ng	99
51) 2,6-Dinitrotoluene	9.87	165	36315	8.811	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	36316	6.618	ng	# 20
71) Phenanthrene	11.38	178	67323	3.189	ng	96
75) Fluoranthene	12.57	202	81446	3.686	ng	98
78) Pyrene	12.80	202	89759	4.006	ng	99
83) Chrysene	14.03	228	37448	2.030	ng	97
88) Benzo(b)fluoranthene	15.05	252	48371	3.145	ng	# 71
89) Benzo(k)fluoranthene	15.05	252	48371	3.229	ng	# 70

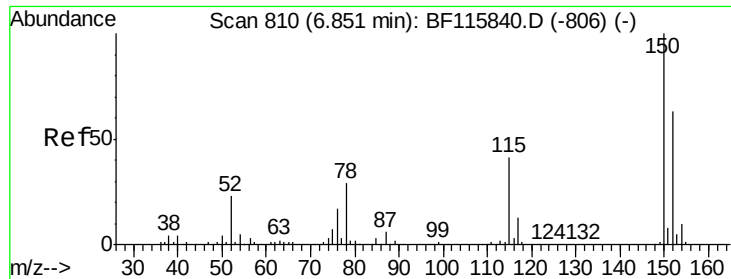
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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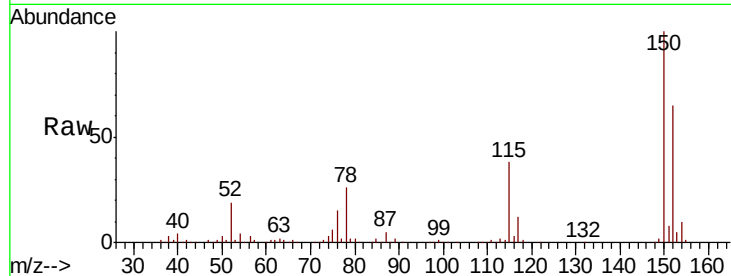


#1

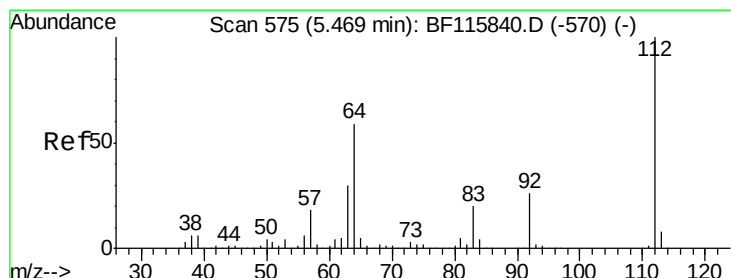
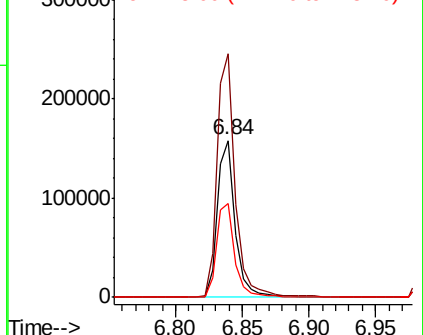
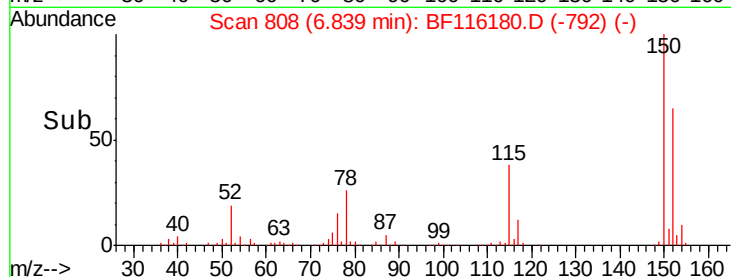
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116180.D
Acq: 11 Aug 2019 7:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 150381
Ion Ratio Lower Upper
152 100
150 155.0 126.2 189.2
115 59.6 49.9 74.9



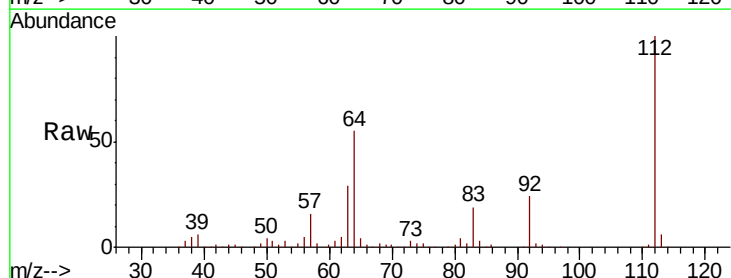
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



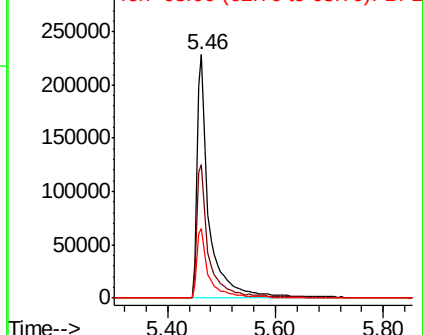
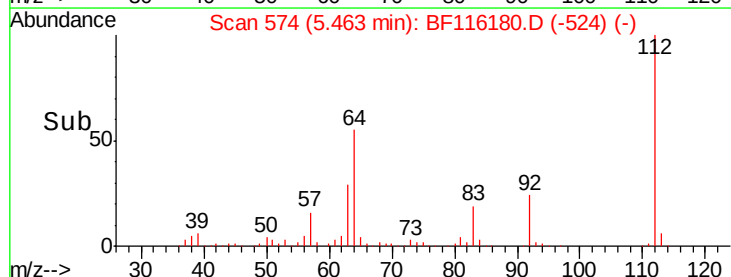
#5

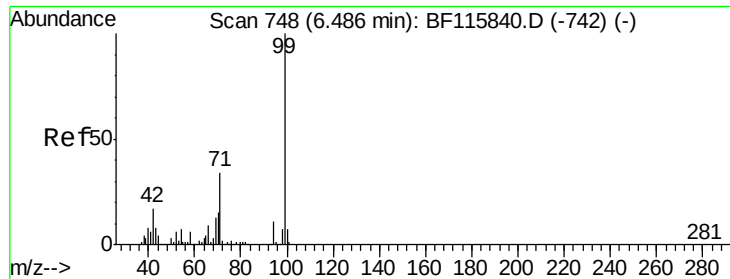
2-Fluorophenol
Concen: 39.070 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116180.D
Acq: 11 Aug 2019 7:11

Tgt Ion:112 Resp: 350967
Ion Ratio Lower Upper
112 100
64 54.9 45.4 68.2
63 28.7 23.7 35.5



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: 41.488 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

Instrument :

BNA_F

ClientSampleId :

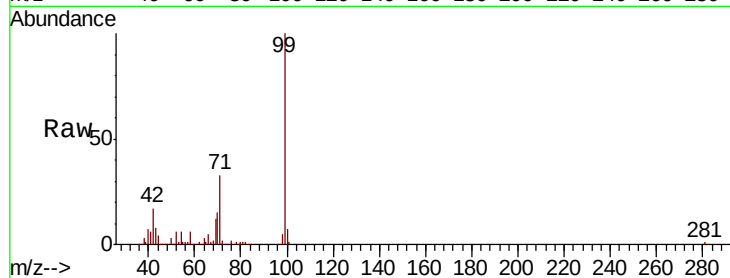
Tot Ion: 99 Resp: 470210

Ion Ratio Lower Upper

99 100

42 17.4 13.8 20.8

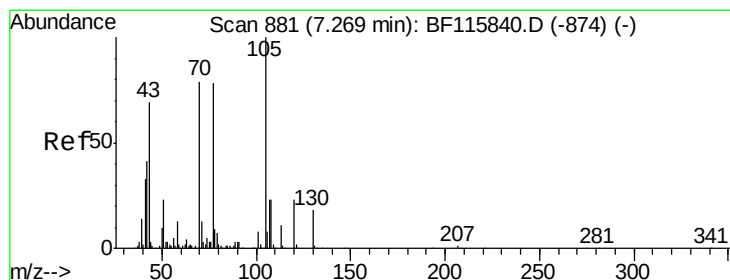
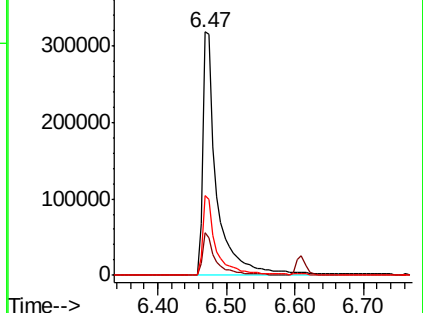
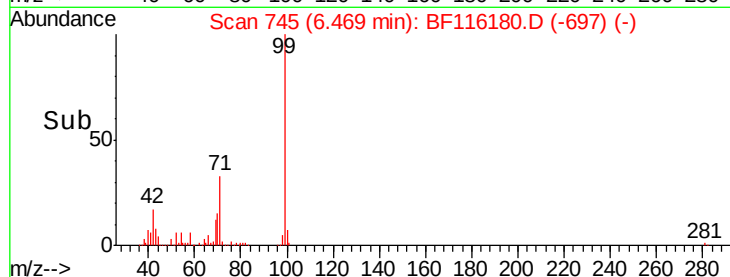
71 32.9 27.3 40.9



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: 5.294 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

Tgt Ion: 70 Resp: 37182

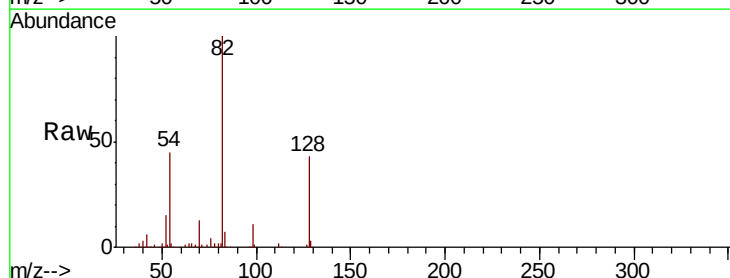
Ion Ratio Lower Upper

70 100

42 46.1 40.9 61.3

101 0.0 7.9 11.9#

130 2.0 16.9 25.3#

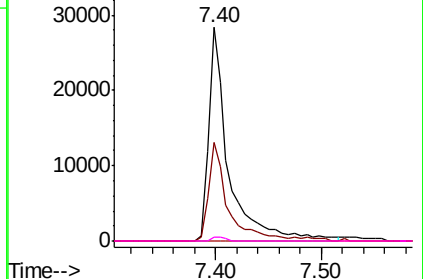
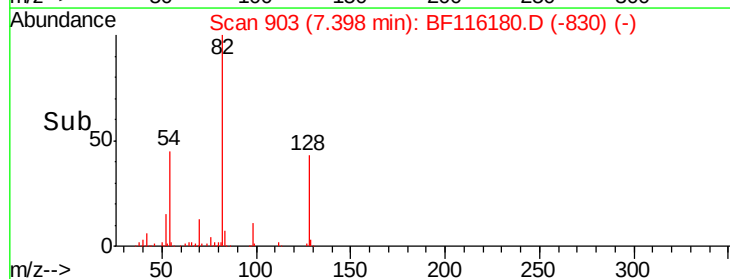


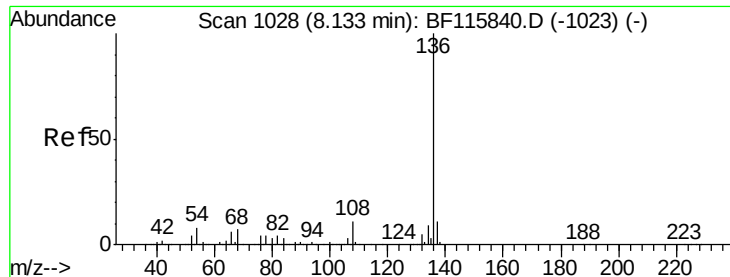
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 586039

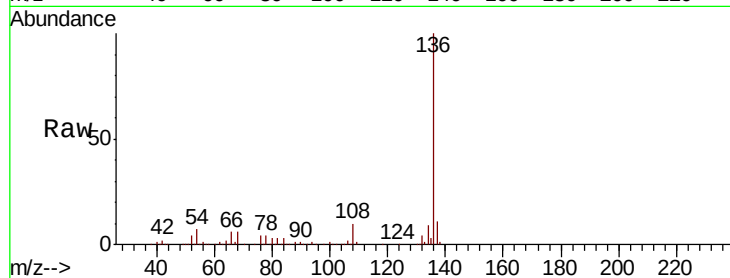
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.3 5.8 8.6

68 6.5 5.2 7.8

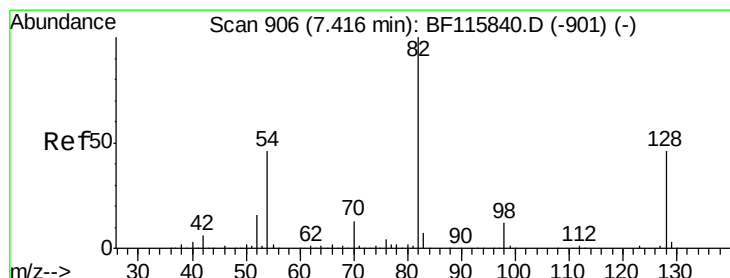
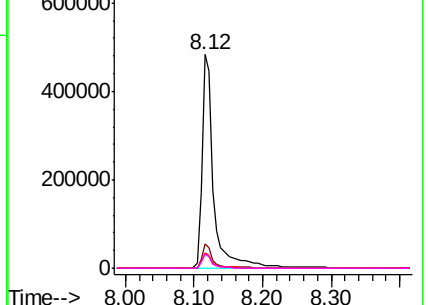
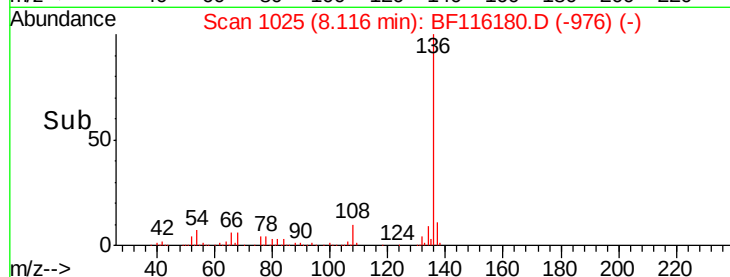


Abundance Ion 136.00 (135.70 to 136.70): E

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: 29.088 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

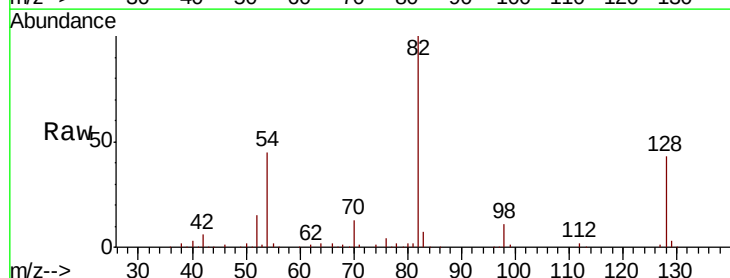
Tgt Ion: 82 Resp: 295322

Ion Ratio Lower Upper

82 100

128 42.9 36.5 54.7

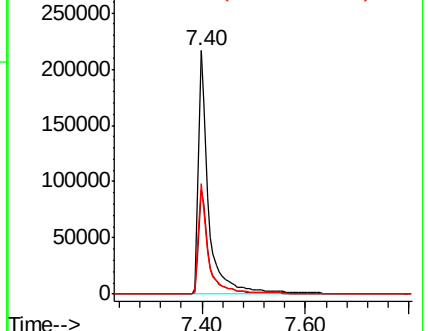
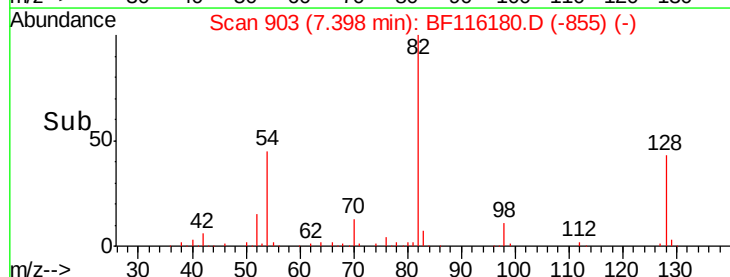
54 45.2 36.0 54.0

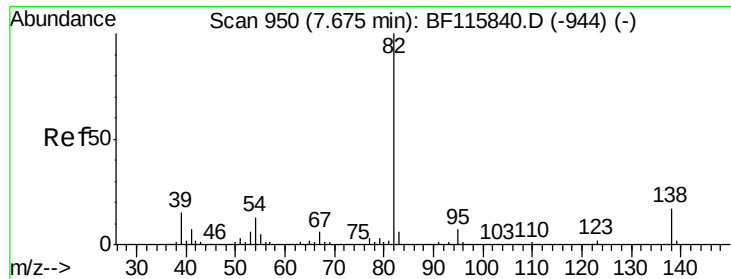


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.212 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

Instrument :

BNA_F

ClientSampleId :

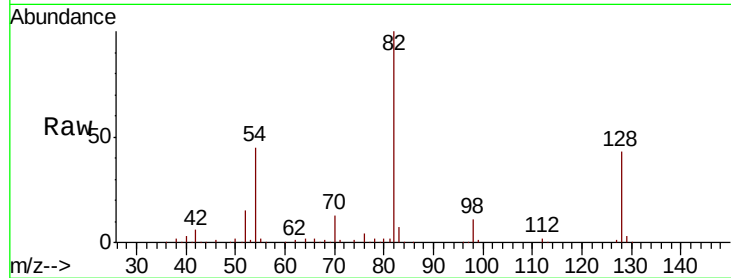
Tot Ion: 82 Resp: 295321

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

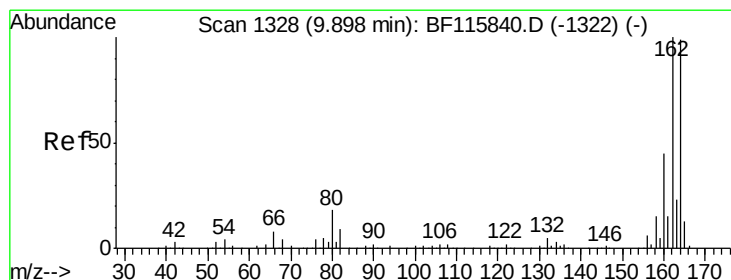
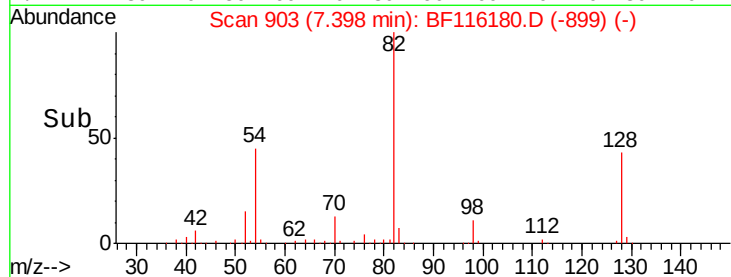
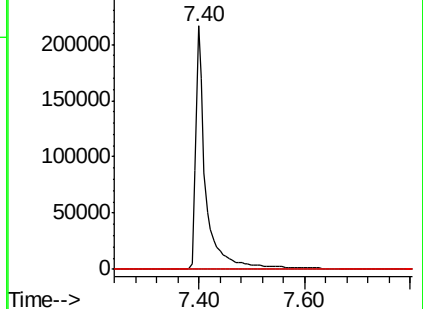
138 0.0 14.5 21.7#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

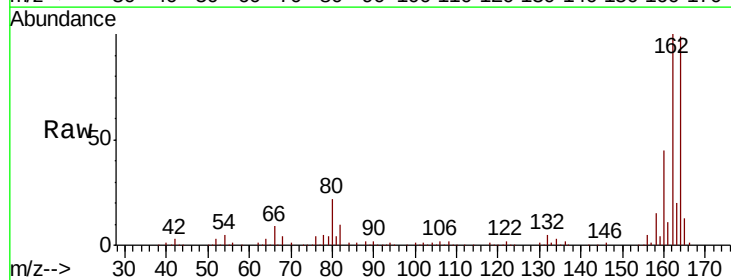
Tgt Ion: 164 Resp: 278557

Ion Ratio Lower Upper

164 100

162 100.9 82.6 124.0

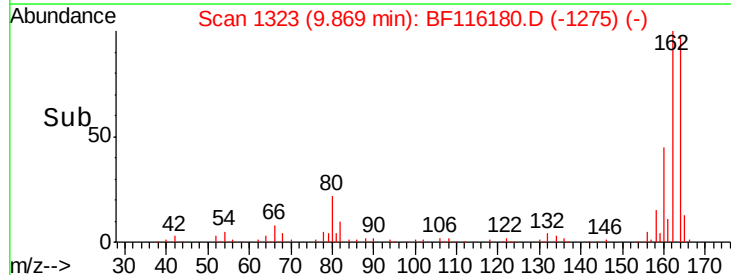
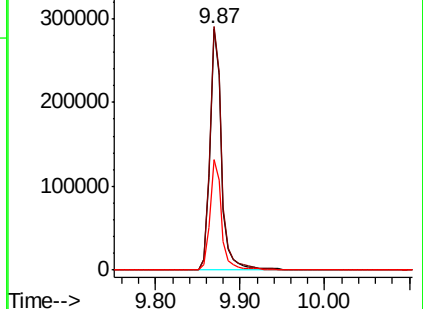
160 45.7 37.6 56.4

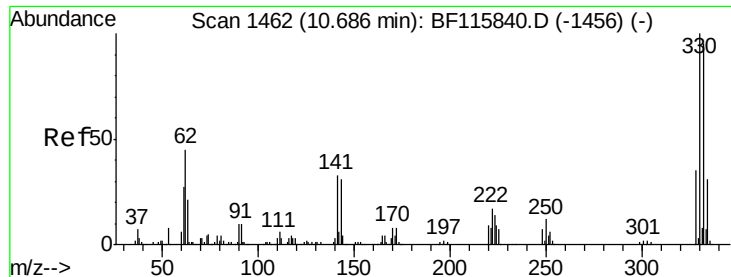


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 31.263 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

Instrument :

BNA_F

ClientSampleId :

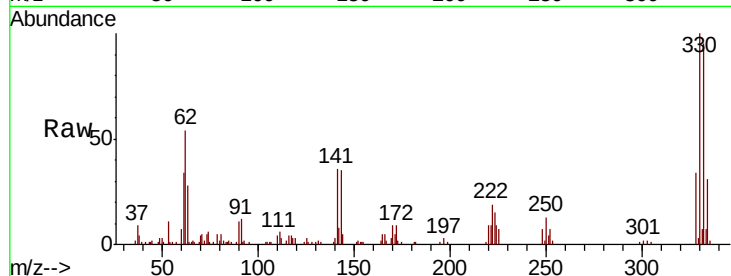
Tot Ion:330 Resp: 84432

Ion Ratio Lower Upper

330 100

332 95.7 76.8 115.2

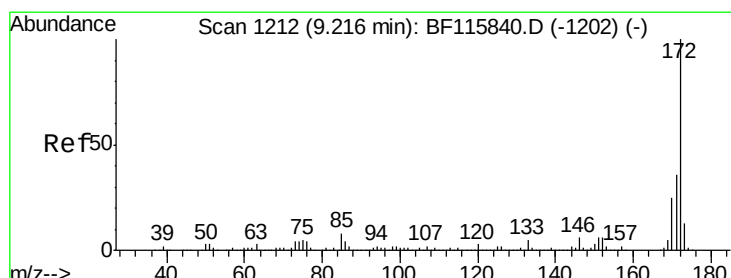
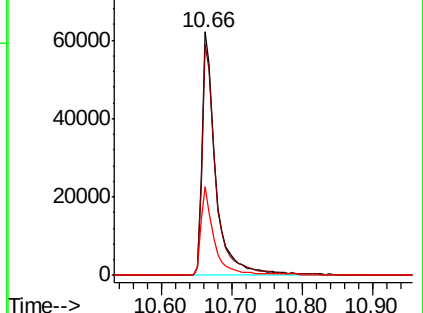
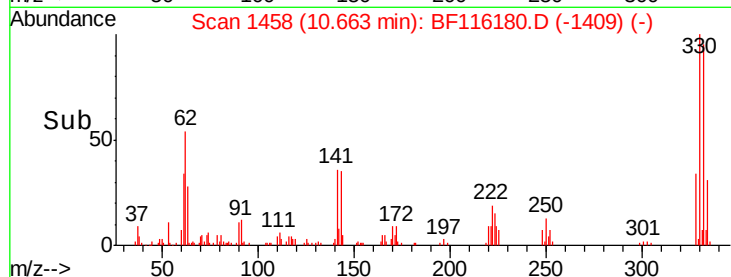
141 35.9 26.3 39.5



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: 37.188 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

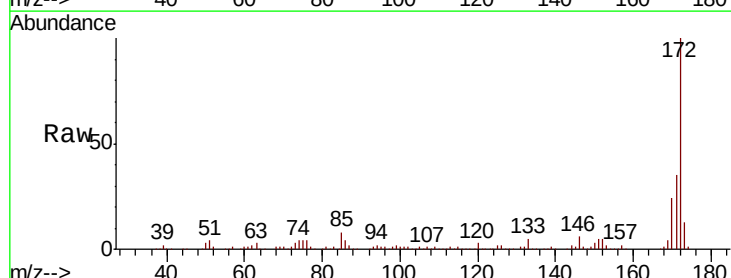
Tgt Ion:172 Resp: 553049

Ion Ratio Lower Upper

172 100

171 34.6 29.6 44.4

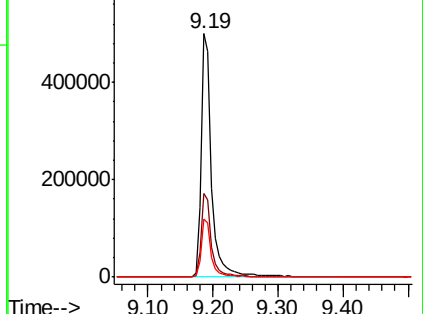
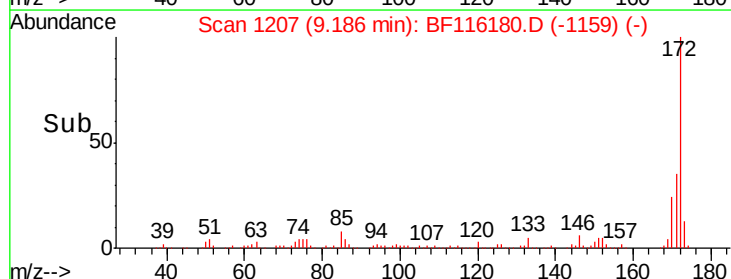
170 23.9 20.1 30.1

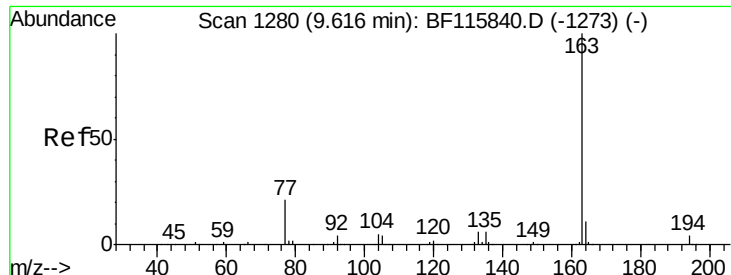


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

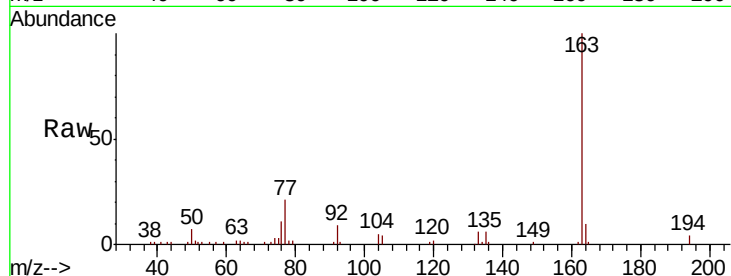




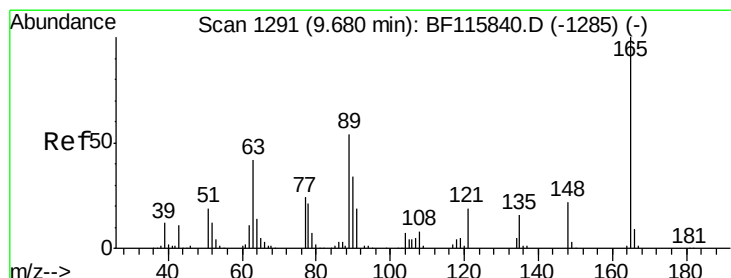
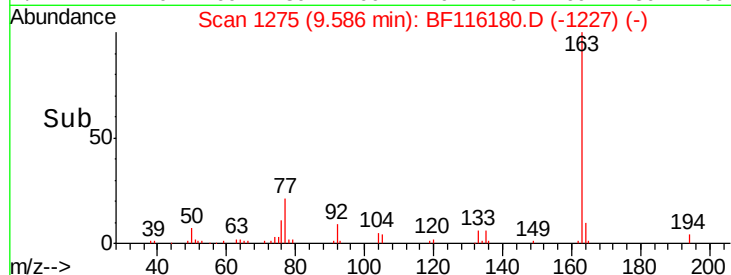
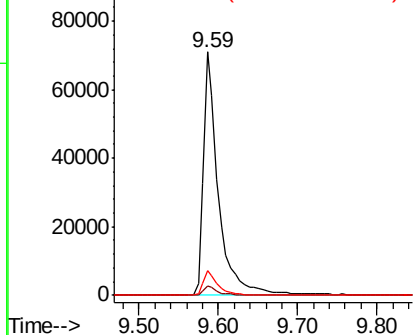
#50
Dimethylphthalate
Concen: 5.017 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116180.D
Acq: 11 Aug 2019 7:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	9.9	8.4	12.6

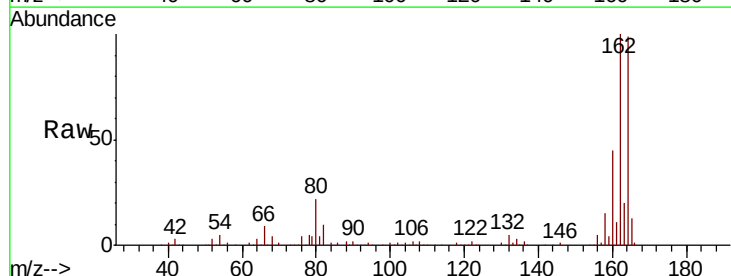


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

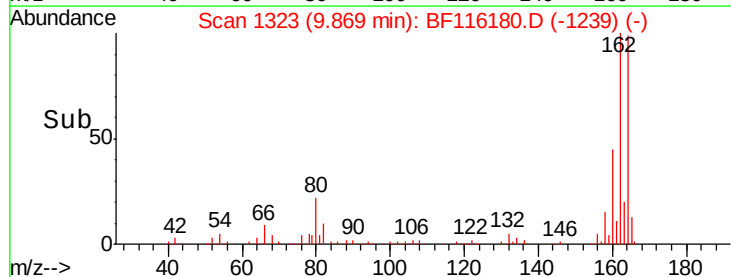
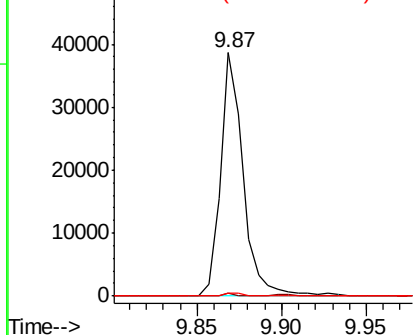


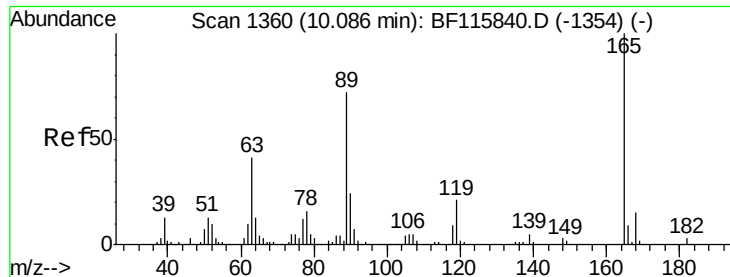
#51
2,6-Dinitrotoluene
Concen: 8.811 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.19 min
Lab File: BF116180.D
Acq: 11 Aug 2019 7:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.2	57.2#
89	1.2	42.9	64.3#



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





#57

2,4-Dinitrotoluene

Concen: 6.618 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 36316

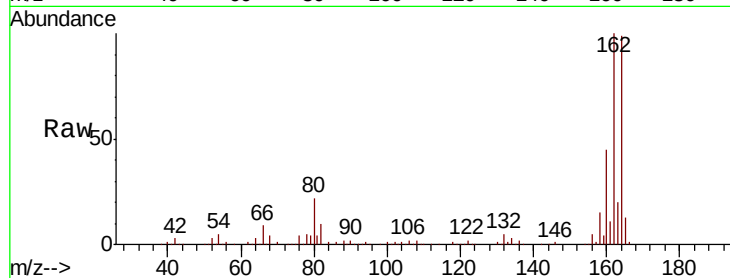
Ion Ratio Lower Upper

165 100

63 1.2 39.6 59.4#

89 1.2 62.2 93.2#

182 0.0 2.1 3.1#



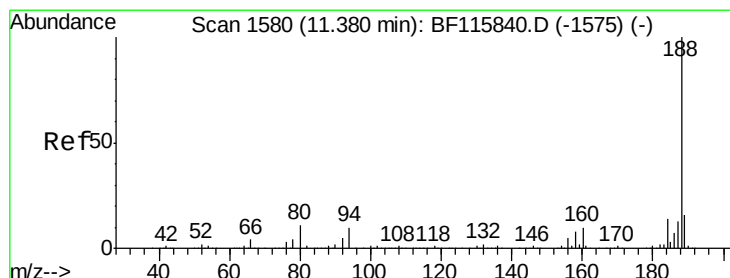
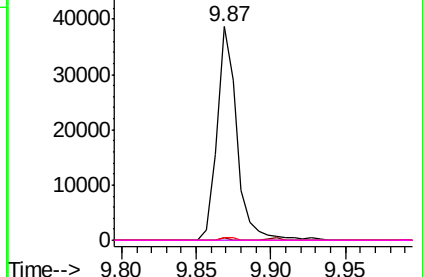
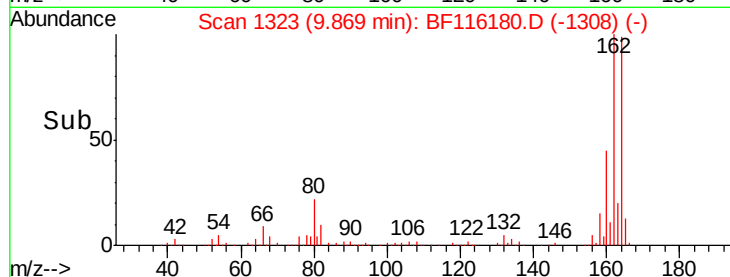
Abundance Ion 165.00 (164.70 to 165.70): E

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

Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

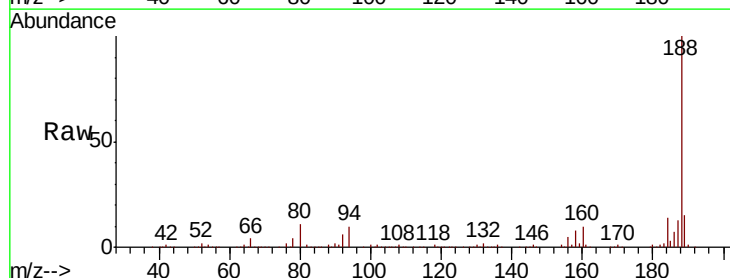
Tgt Ion:188 Resp: 412903

Ion Ratio Lower Upper

188 100

94 10.0 8.1 12.1

80 10.8 8.7 13.1

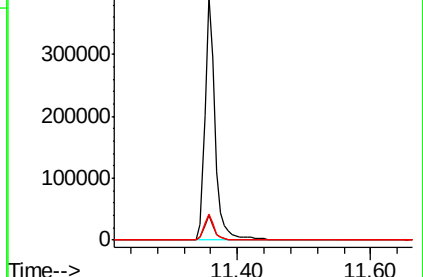
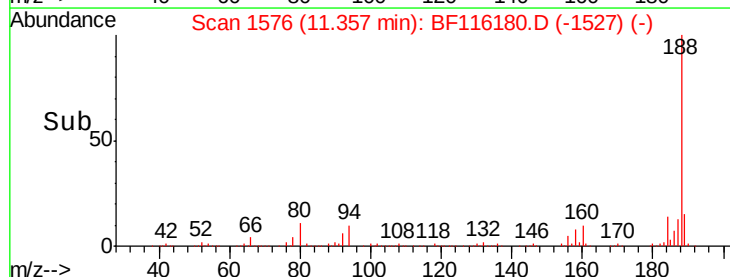


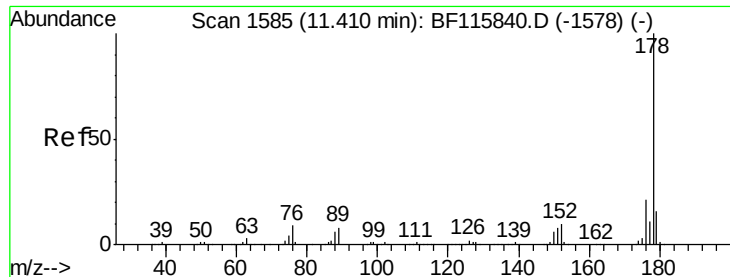
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->





#71

Phenanthrene

Concen: 3.189 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

Instrument :

BNA_F

ClientSampleId :

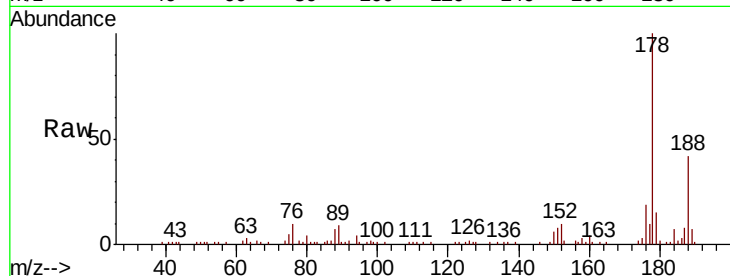
Tot Ion:178 Resp: 67323

Ion Ratio Lower Upper

178 100

176 18.7 16.6 24.8

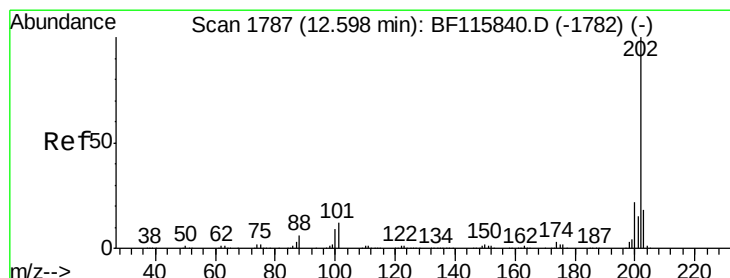
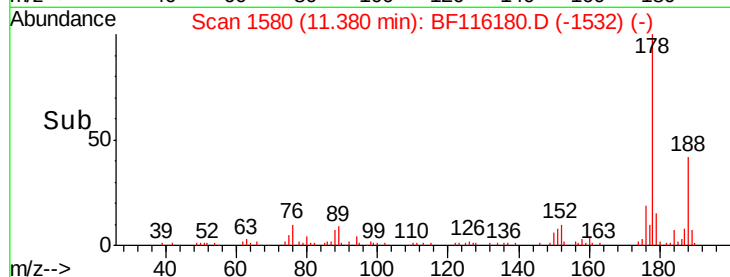
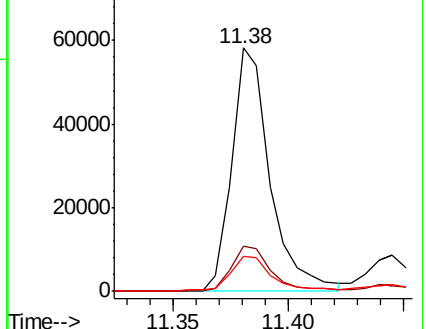
179 14.5 12.5 18.7



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: 3.686 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

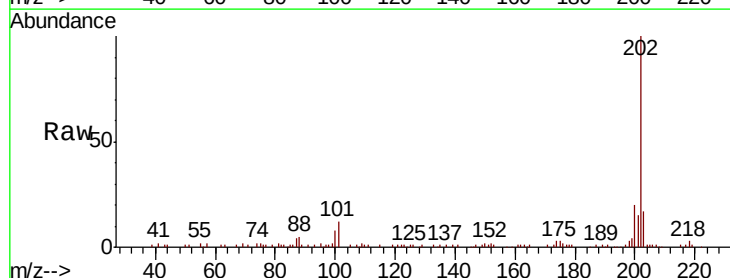
Tgt Ion:202 Resp: 81446

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.2

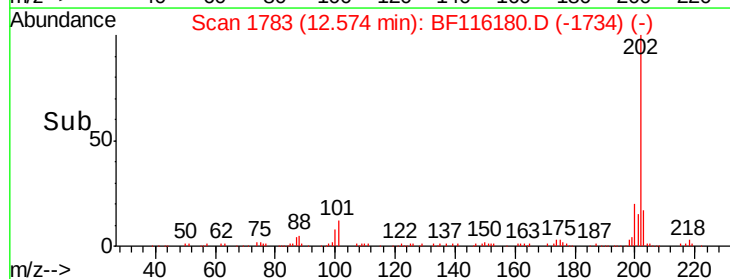
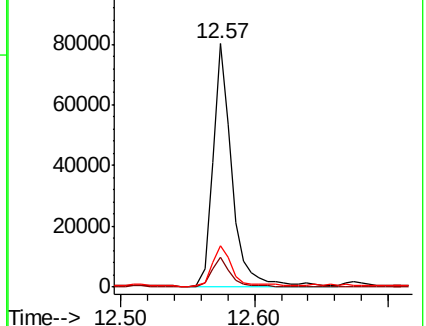
203 16.9 0.0 37.8

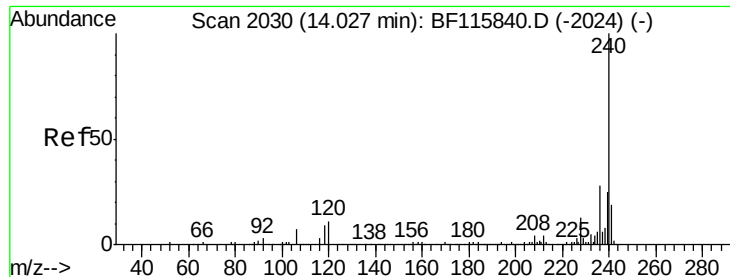


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

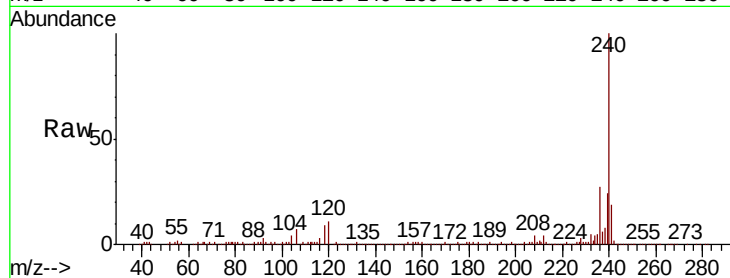




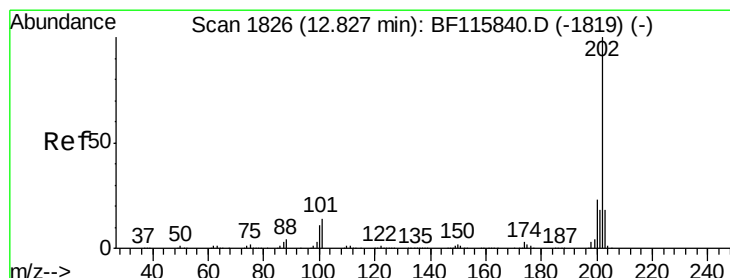
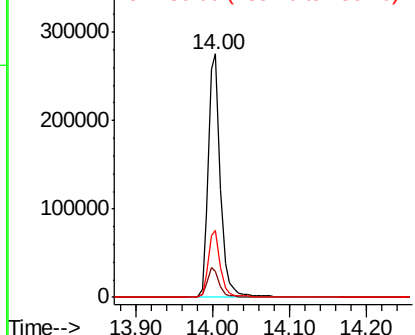
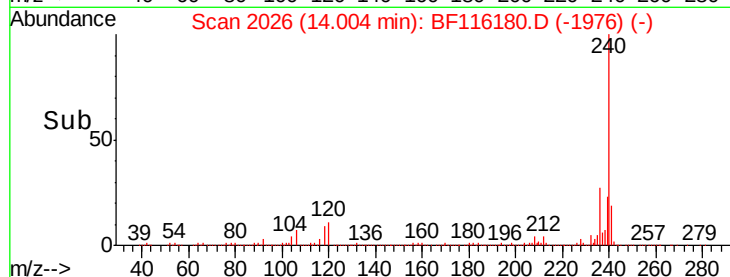
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF116180.D
 Acq: 11 Aug 2019 7:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	10.7	16.1#
236	27.4	22.2	33.2

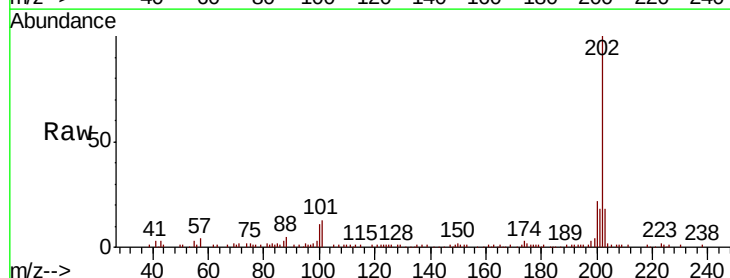


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

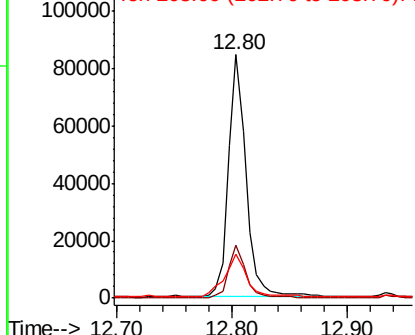
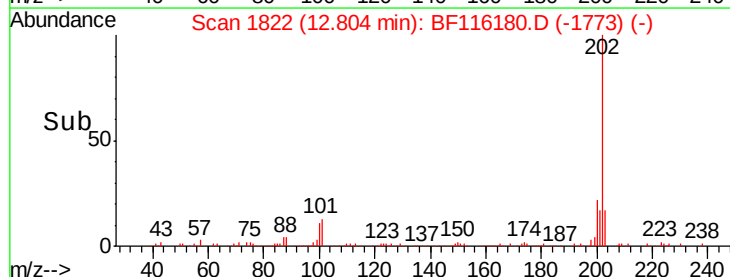


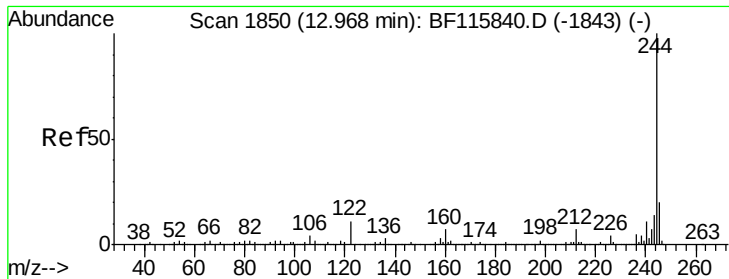
#78
 Pyrene
 Concen: 4.006 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BF116180.D
 Acq: 11 Aug 2019 7:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	18.0	27.0
203	18.2	14.1	21.1



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

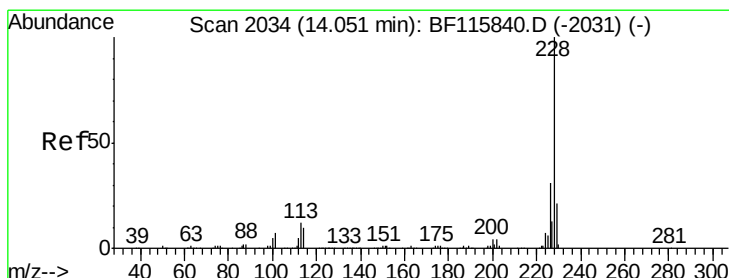
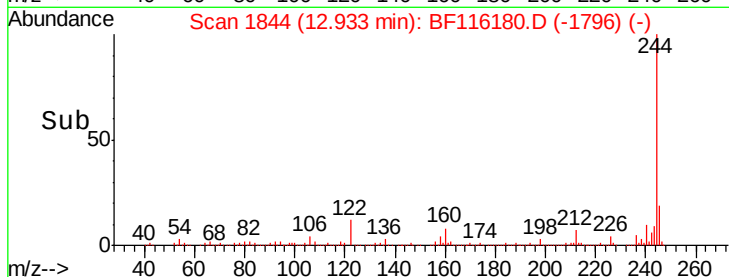
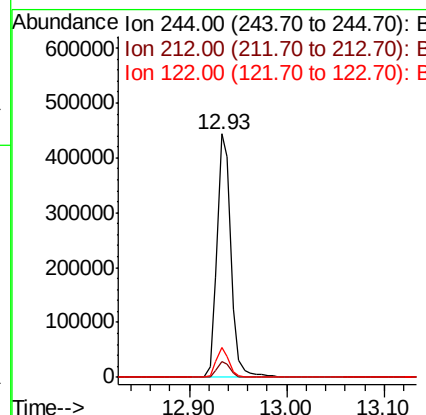
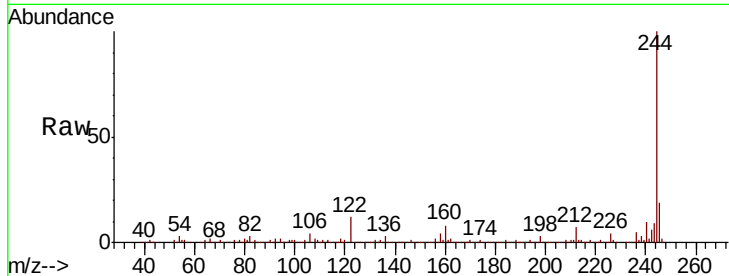




#79
 Terphenyl-d14
 Concen: 31.185 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF116180.D
 Acq: 11 Aug 2019 7:11

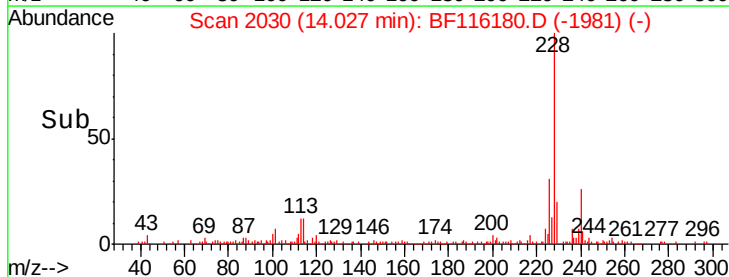
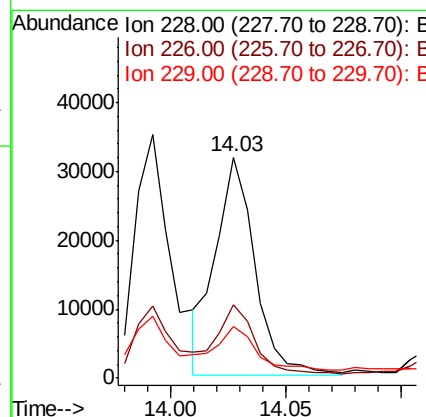
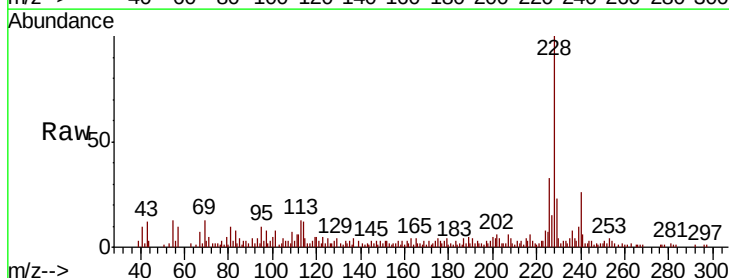
Instrument :
 BNA_F
 ClientSampled :

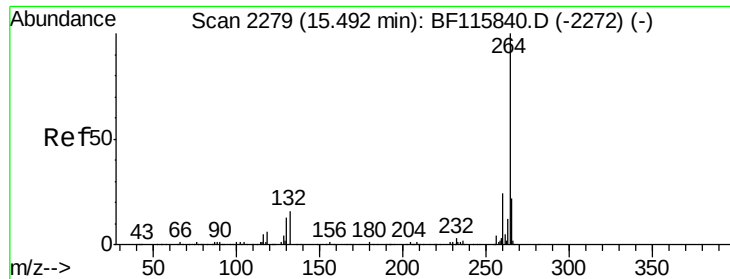
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	12.2	9.0	13.4



#83
 Chrysene
 Concen: 2.030 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF116180.D
 Acq: 11 Aug 2019 7:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	25.5	38.3
229	23.3	16.6	24.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

Instrument :

BNA_F

ClientSampleId :

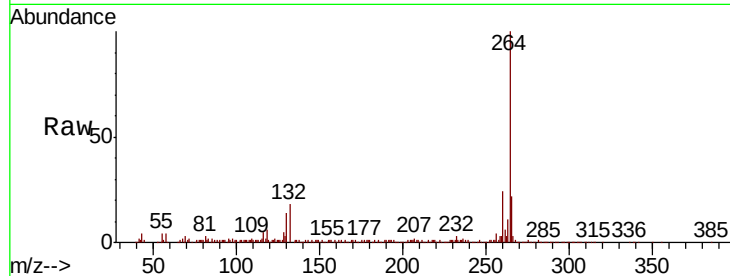
Tot Ion:264 Resp: 266015

Ion Ratio Lower Upper

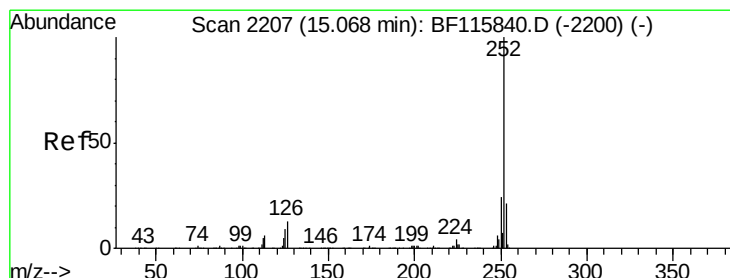
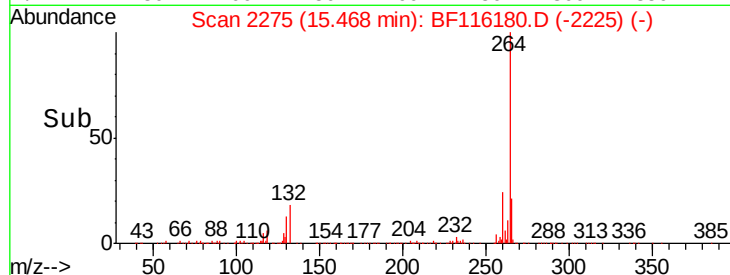
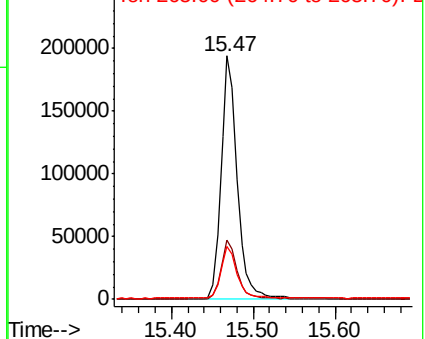
264 100

260 24.2 19.7 29.5

265 21.6 17.4 26.0



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: 3.145 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

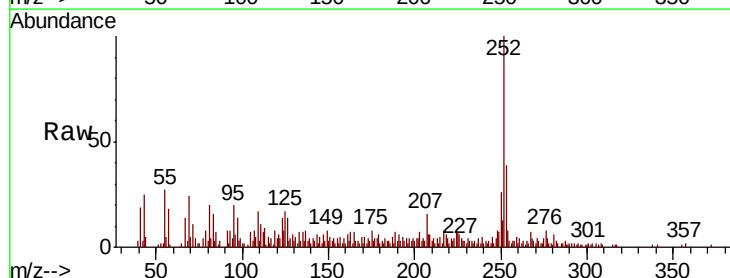
Tgt Ion:252 Resp: 48371

Ion Ratio Lower Upper

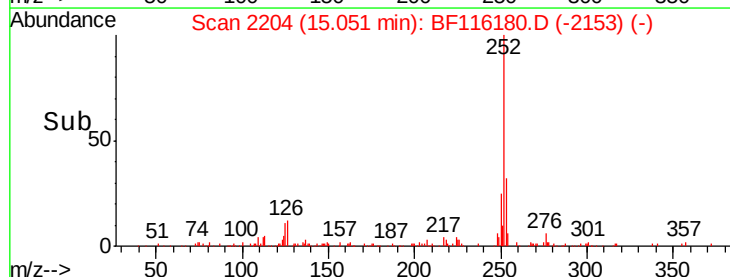
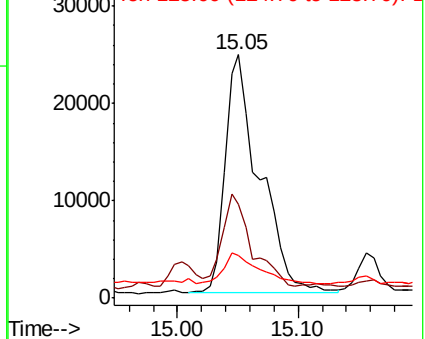
252 100

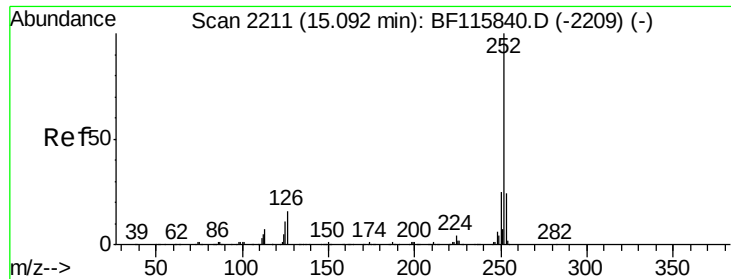
253 38.7 17.8 26.8#

125 17.4 8.4 12.6#



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

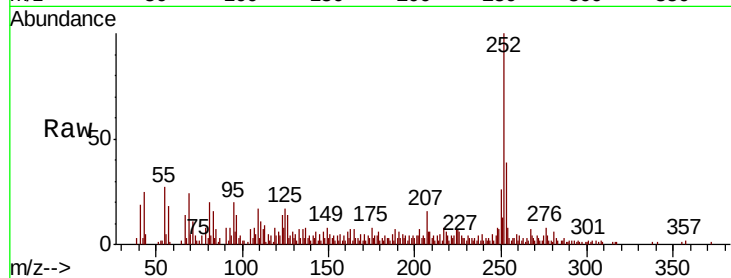




#89
 Benzo(k)fluoranthene
 Concen: 3.229 ng
 RT: 15.05 min Scan# 2204
 Delta R.T. -0.03 min
 Lab File: BF116180.D
 Acq: 11 Aug 2019 7:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	38.7	17.8	26.8#
125	17.4	7.7	11.5#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

