

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080119\
 Data File : BF115930.D
 Acq On : 2 Aug 2019 1:55
 Operator : HP/JU
 Sample : K4106-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-01

Quant Time: Aug 02 05:03:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	158759	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	598666	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	285107	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	410019	20.00	ng	0.00
76) Chrysene-d12	14.02	240	351151	20.00	ng	0.00
87) Perylene-d12	15.50	264	303991	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	325506	34.32	ng	0.00
7) Phenol-d6	6.48	99	440023	36.78	ng	0.00
23) Nitrobenzene-d5	7.41	82	255729	24.66	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	79414	28.73	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	469944	30.87	ng	0.00
79) Terphenyl-d14	12.96	244	400893	24.06	ng	0.00

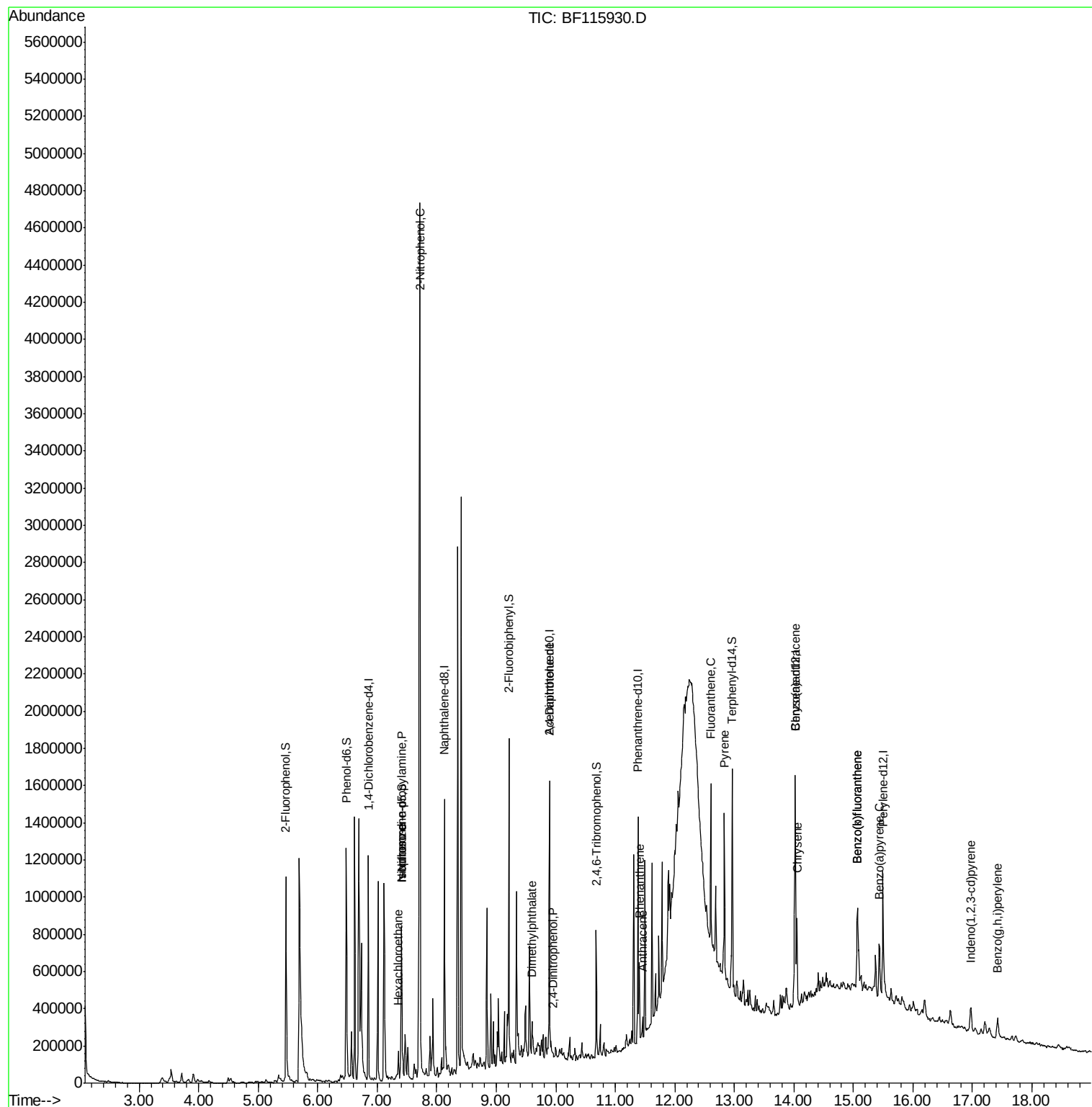
Target Compounds				Qvalue		
18) Hexachloroethane	7.36	117	19142	4.284	ng	# 3
19) n-Nitroso-di-n-propylamine	7.41	70	35051	4.727	ng	# 81
25) Isophorone	7.41	82	255726	12.895	ng	# 66
26) 2-Nitrophenol	7.72	139	13990	2.650	ng	# 1
50) Dimethylphthalate	9.60	163	39296	2.024	ng	# 80
54) 2,4-Dinitrophenol	9.95	184	968	8.220	ng	# 68
57) 2,4-Dinitrotoluene	9.89	165	39396	7.014	ng	# 27
71) Phenanthrene	11.40	178	145928	6.962	ng	99
72) Anthracene	11.46	178	45202	2.131	ng	99
75) Fluoranthene	12.60	202	330278	15.051	ng	99
78) Pyrene	12.83	202	349998	13.222	ng	99
81) Benzo(a)anthracene	14.02	228	191386	8.527	ng	99
83) Chrysene	14.05	228	197252	9.052	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	87167	4.763	ng	98
88) Benzo(b)fluoranthene	15.07	252	286934	16.324	ng	# 93
89) Benzo(k)fluoranthene	15.07	252	286934	16.760	ng	96
90) Benzo(a)pyrene	15.43	252	129908	8.268	ng	# 93
92) Benzo(g,h,i)perylene	17.42	276	89287	6.684	ng	98

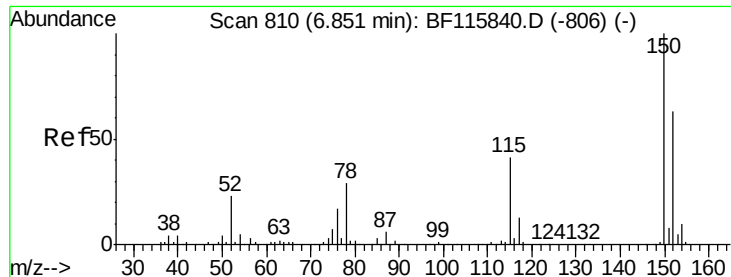
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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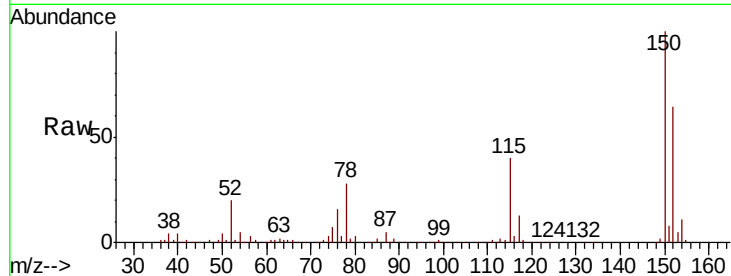


#1

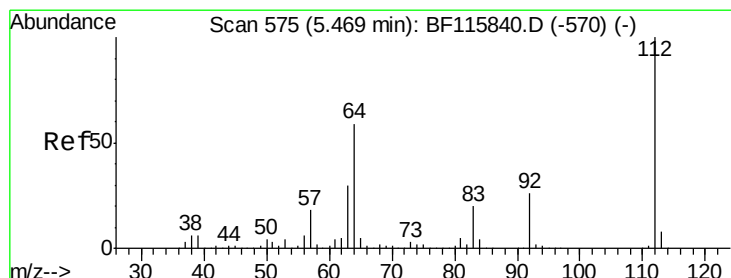
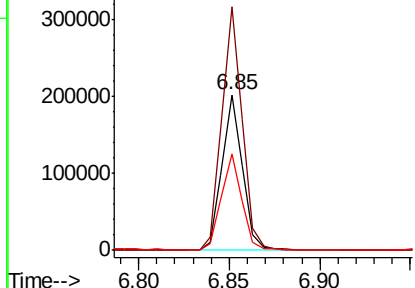
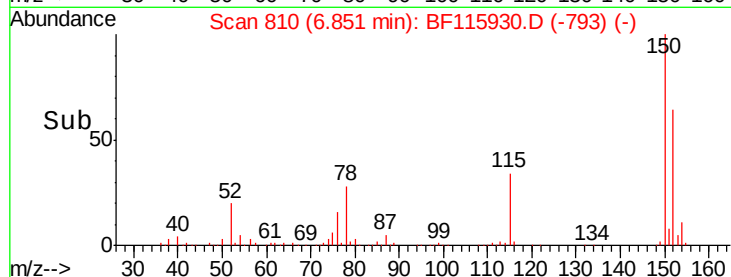
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF115930.D
 Acq: 2 Aug 2019 1:55

Instrument :
 BNA_F
 ClientSampleId :
 WC-01

Tgt Ion:152 Resp: 158759
 Ion Ratio Lower Upper
 152 100
 150 156.7 127.4 191.0
 115 62.2 51.8 77.8



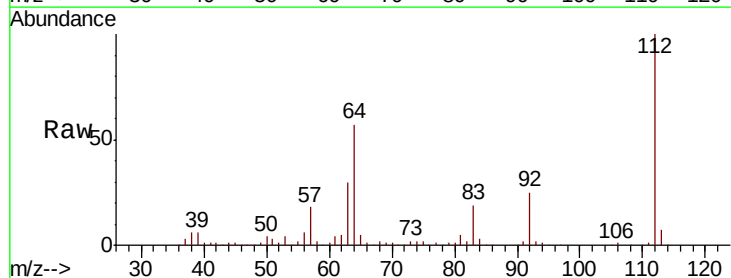
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



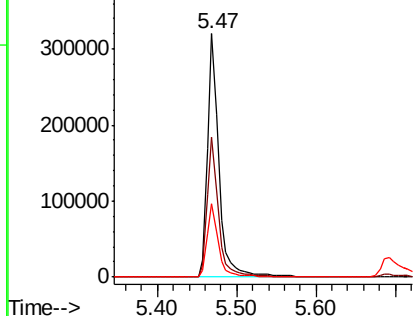
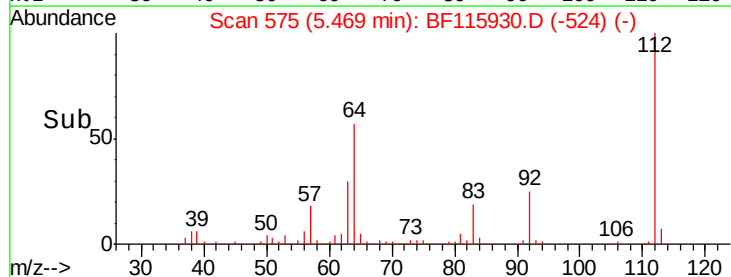
#5

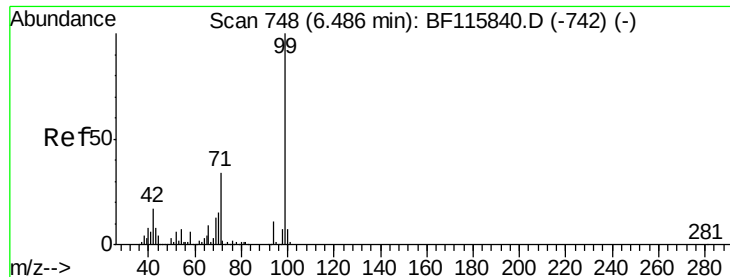
2-Fluorophenol
 Concen: 34.324 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.00 min
 Lab File: BF115930.D
 Acq: 2 Aug 2019 1:55

Tgt Ion:112 Resp: 325506
 Ion Ratio Lower Upper
 112 100
 64 57.4 46.8 70.2
 63 30.1 24.2 36.2



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: 36.776 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115930.D

Acq: 2 Aug 2019 1:55

Instrument :

BNA_F

ClientSampled :

WC-01

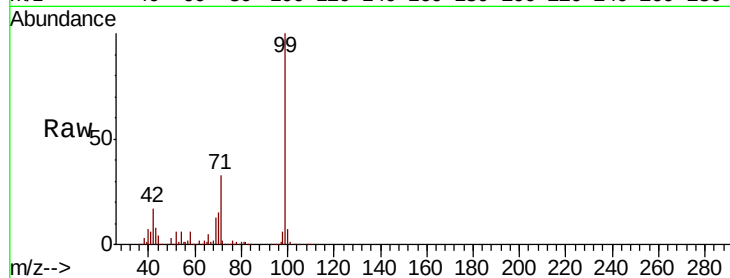
Tgt Ion: 99 Resp: 440023

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.6

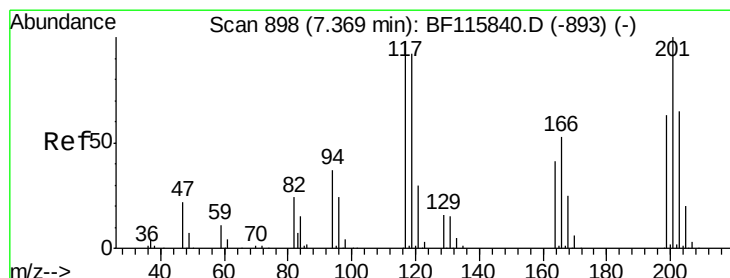
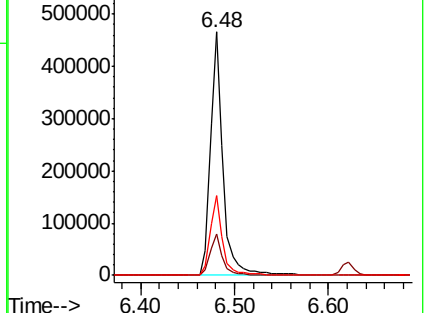
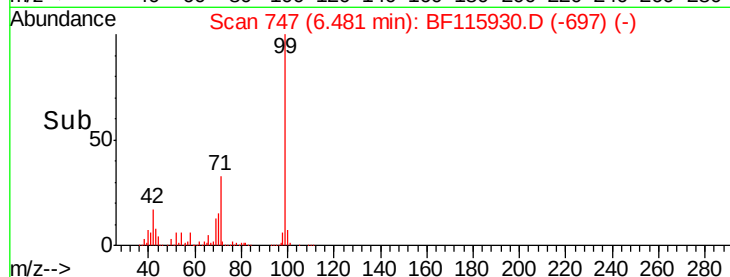
71 32.7 27.1 40.7



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



#18

Hexachloroethane

Concen: 4.284 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF115930.D

Acq: 2 Aug 2019 1:55

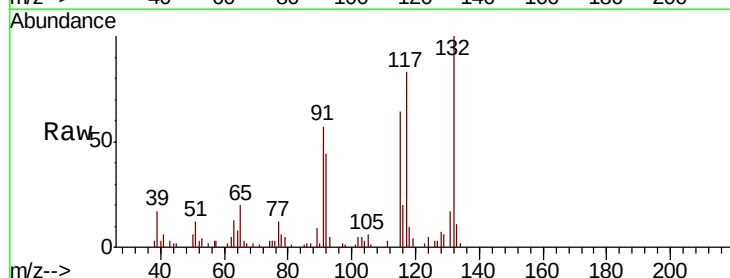
Tgt Ion: 117 Resp: 19142

Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

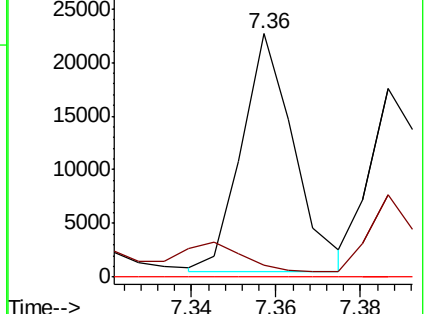
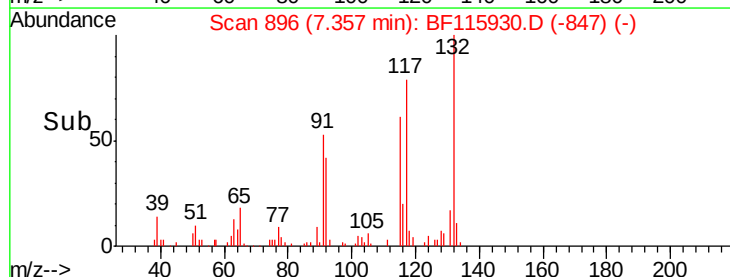
201 0.0 82.0 123.0#

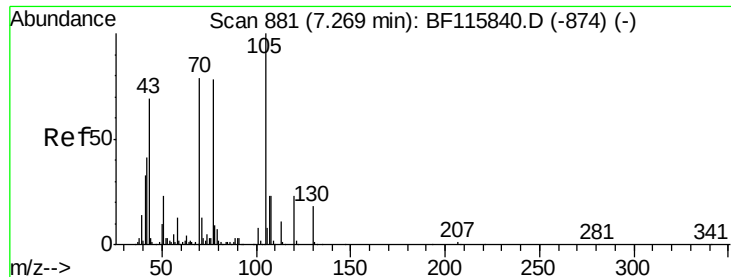


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

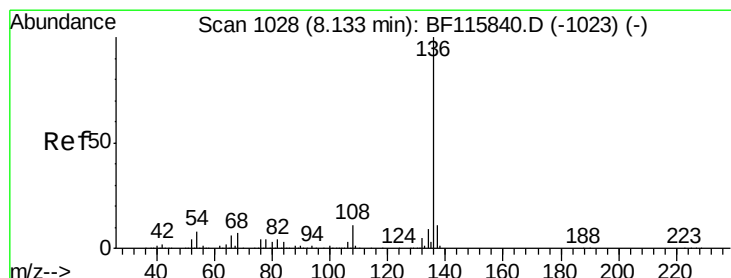
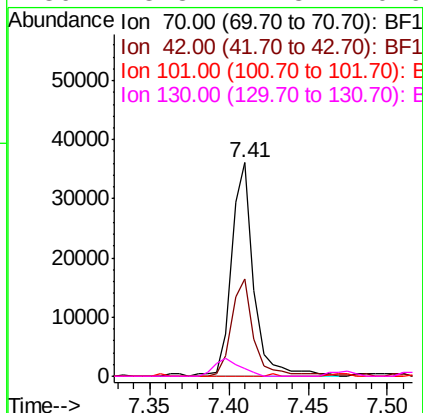
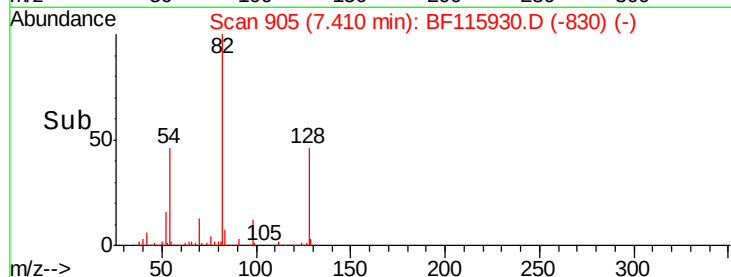
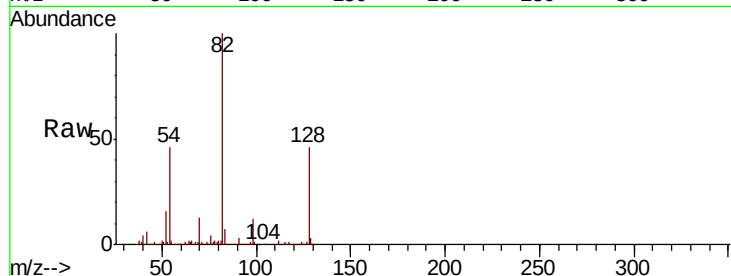




#19
n-Nitroso-di-n-propylamine
Concen: 4.727 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF115930.D
Acq: 2 Aug 2019 1:55

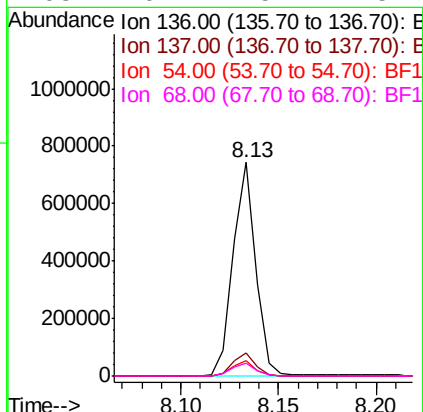
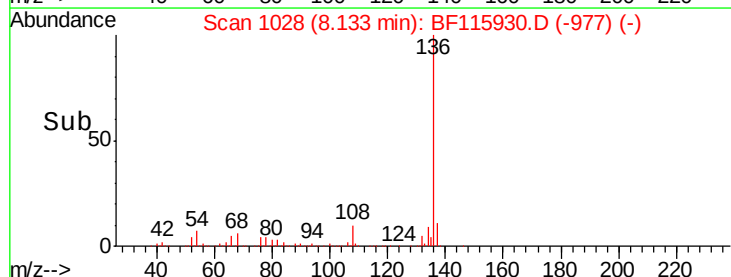
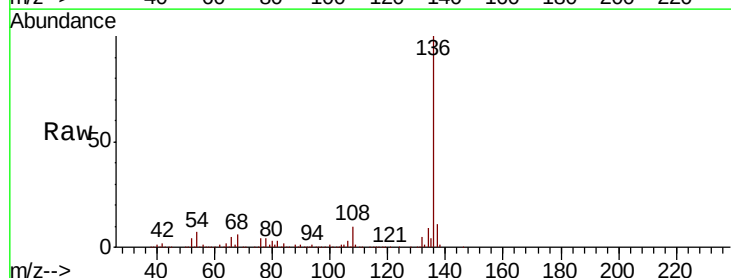
Instrument :
BNA_F
ClientSampleId :
WC-01

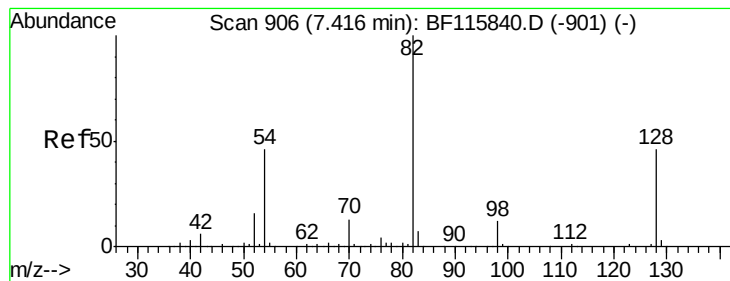
Tgt Ion: 70 Resp: 35051
Ion Ratio Lower Upper
70 100
42 45.3 41.8 62.8
101 0.0 7.7 11.5#
130 3.8 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF115930.D
Acq: 2 Aug 2019 1:55

Tgt Ion: 136 Resp: 598666
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 6.9 6.1 9.1
68 6.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 24.657 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF115930.D

Acq: 2 Aug 2019 1:55

Instrument :

BNA_F

ClientSampleId :

WC-01

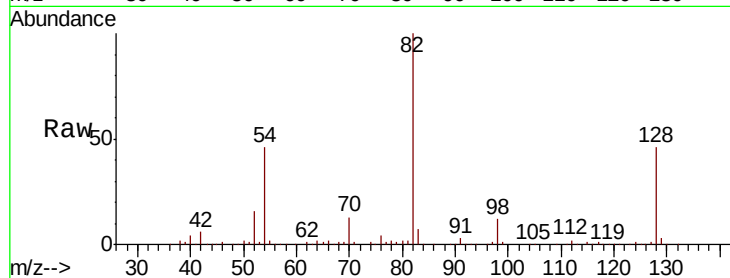
Tgt Ion: 82 Resp: 255729

Ion Ratio Lower Upper

82 100

128 46.1 36.6 55.0

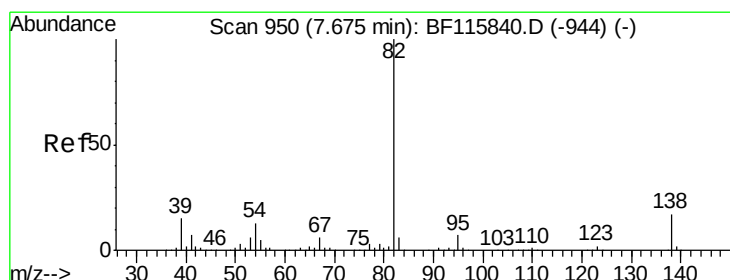
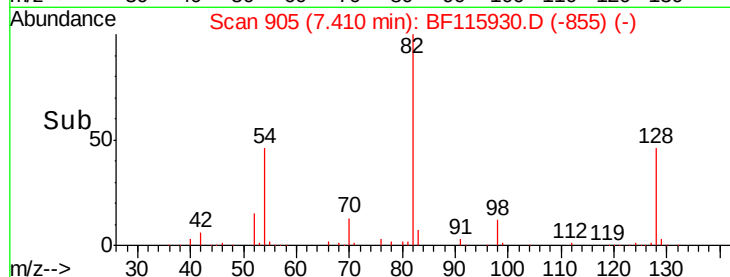
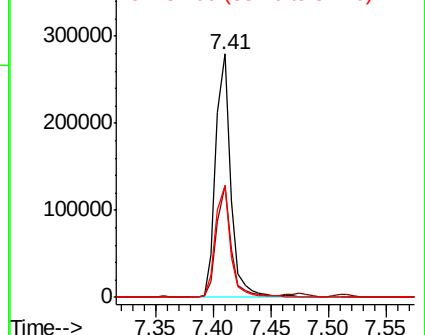
54 45.8 36.6 55.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 12.895 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF115930.D

Acq: 2 Aug 2019 1:55

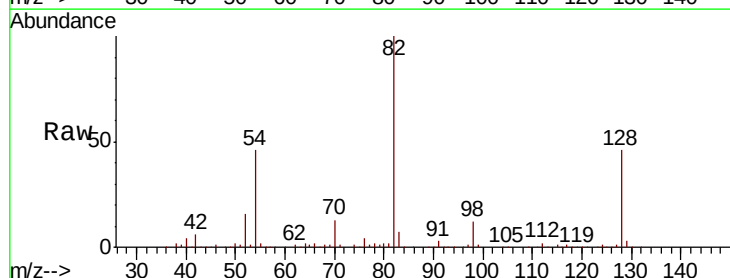
Tgt Ion: 82 Resp: 255726

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

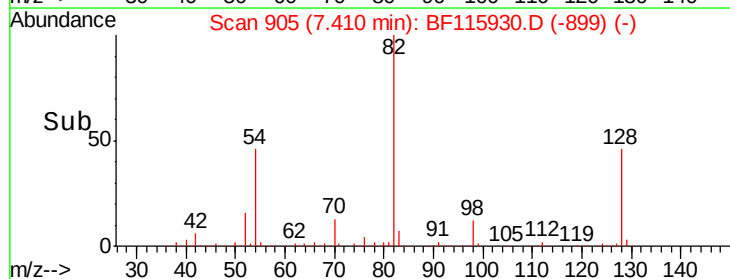
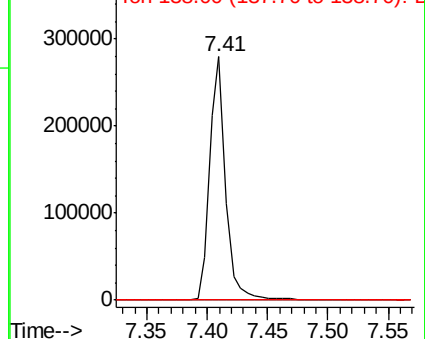
138 0.0 13.9 20.9#

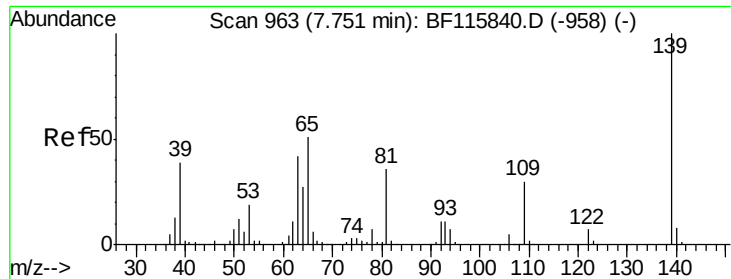


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

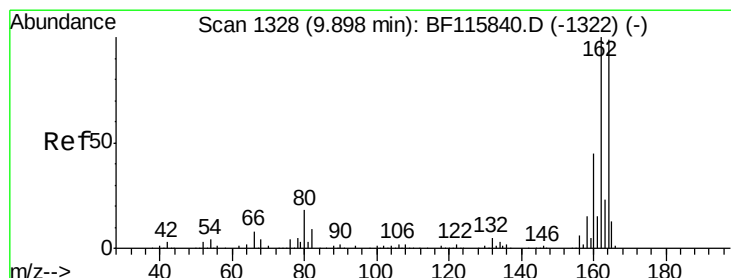
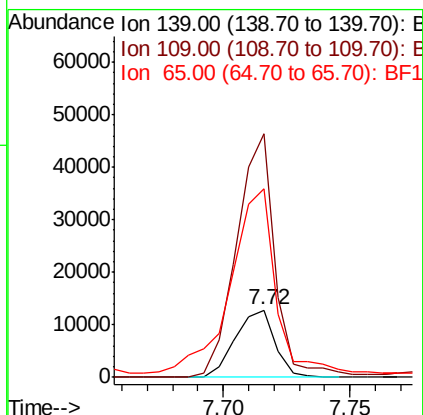
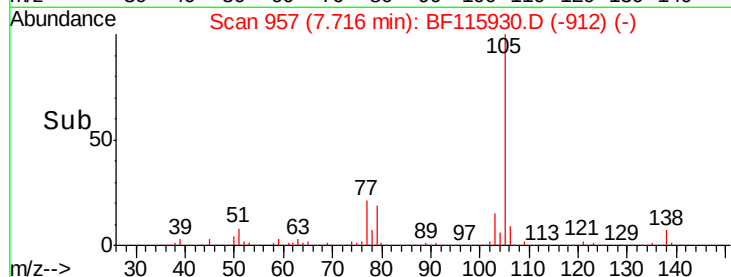
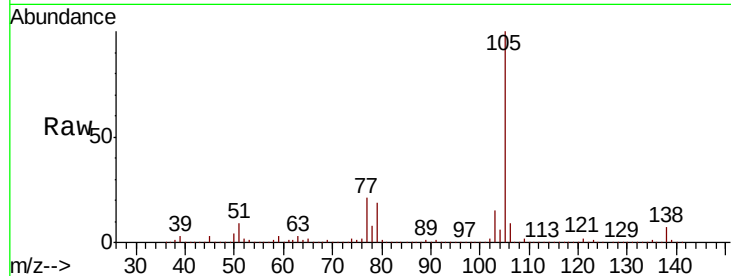




#26
2-Nitrophenol
Concen: 2.650 ng
RT: 7.72 min Scan# 957
Delta R.T. -0.04 min
Lab File: BF115930.D
Acq: 2 Aug 2019 1:55

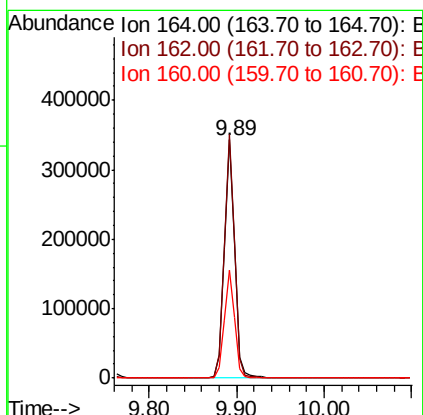
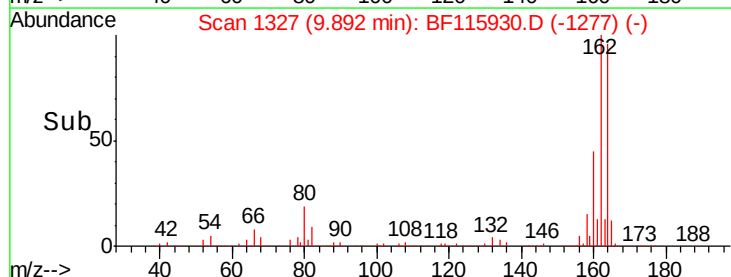
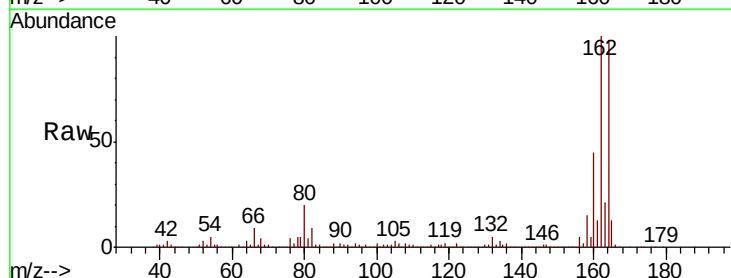
Instrument :
BNA_F
ClientSampleId :
WC-01

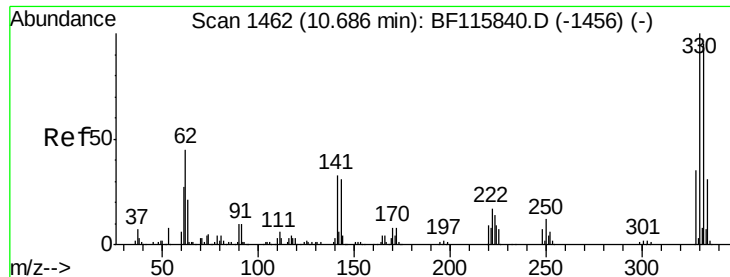
Tgt Ion:139 Resp: 13990
Ion Ratio Lower Upper
139 100
109 360.5 23.6 35.4#
65 279.3 40.6 60.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115930.D
Acq: 2 Aug 2019 1:55

Tgt Ion:164 Resp: 285107
Ion Ratio Lower Upper
164 100
162 102.2 80.8 121.2
160 45.5 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 28.730 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115930.D

Acq: 2 Aug 2019 1:55

Instrument :

BNA_F

ClientSampleId :

WC-01

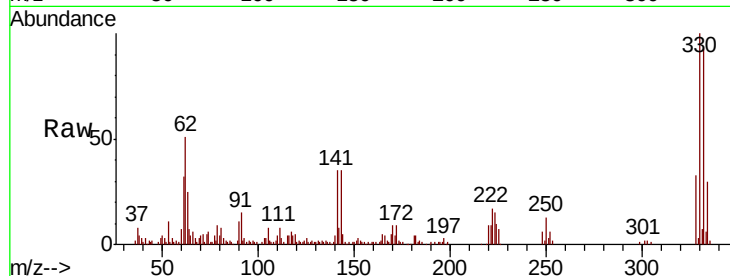
Tgt Ion:330 Resp: 79414

Ion Ratio Lower Upper

330 100

332 95.5 77.7 116.5

141 35.8 28.1 42.1

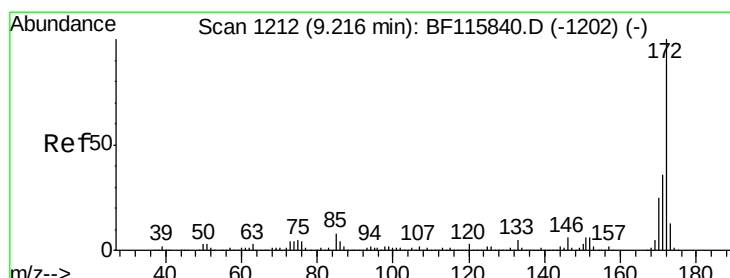
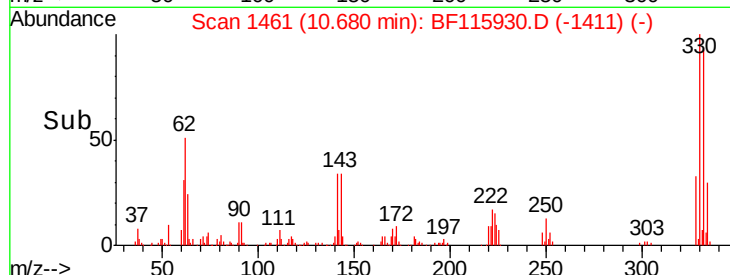
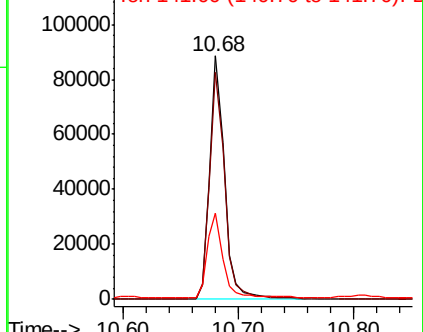


Abundance

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: 30.874 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF115930.D

Acq: 2 Aug 2019 1:55

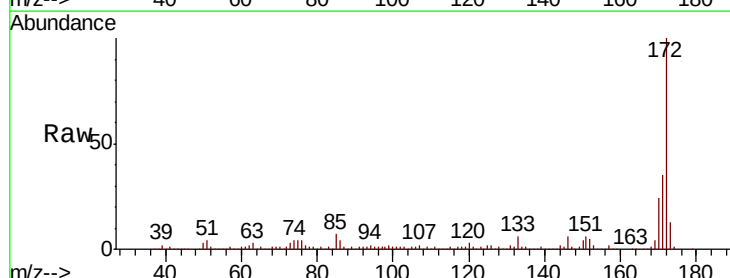
Tgt Ion:172 Resp: 469944

Ion Ratio Lower Upper

172 100

171 35.4 29.1 43.7

170 24.0 20.1 30.1

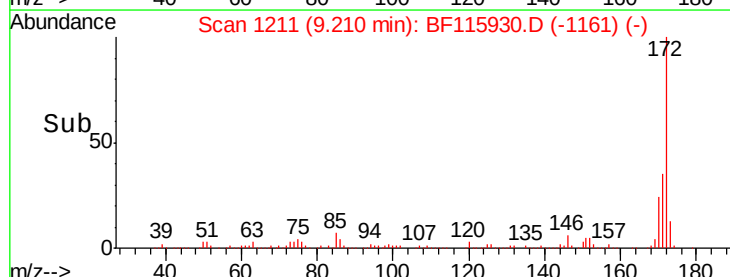
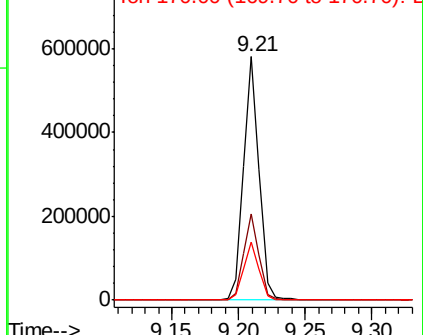


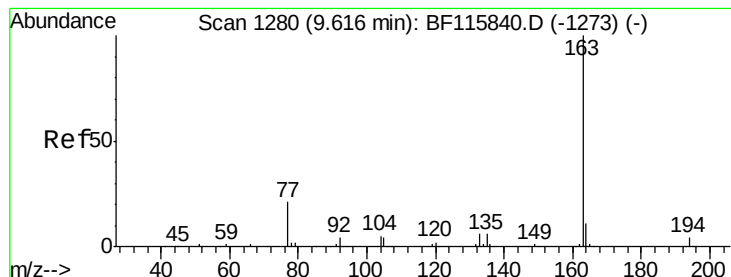
Abundance

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: 2.024 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115930.D

Acq: 2 Aug 2019 1:55

Instrument :

BNA_F

ClientSampled :

WC-01

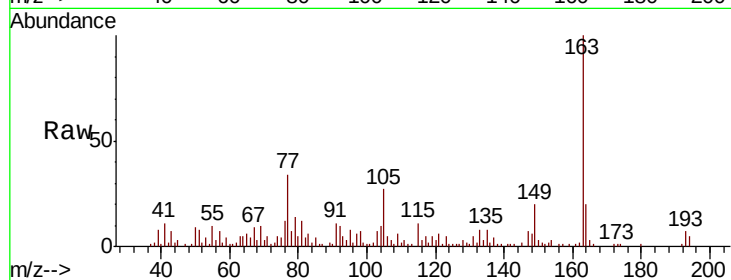
Tgt Ion:163 Resp: 39296

Ion Ratio Lower Upper

163 100

194 4.7 3.0 4.6#

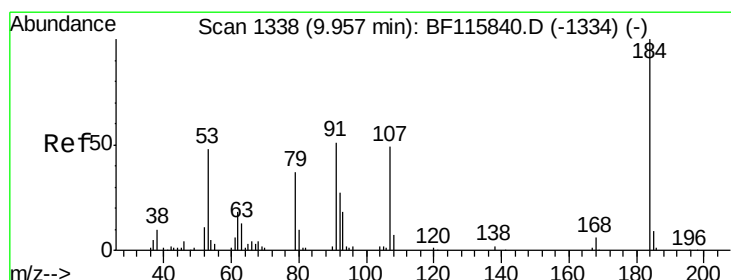
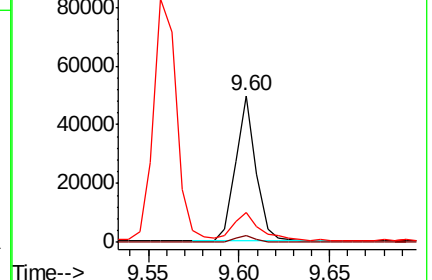
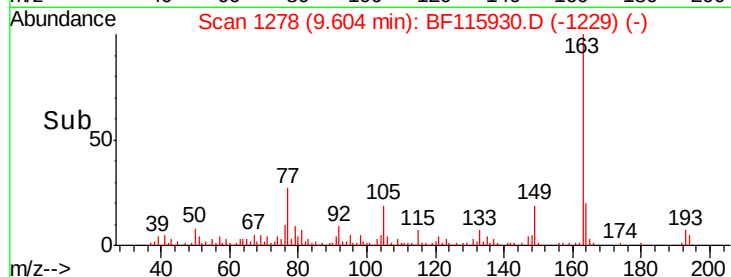
164 20.2 8.4 12.6#



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



#54

2,4-Dinitrophenol

Concen: 8.220 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF115930.D

Acq: 2 Aug 2019 1:55

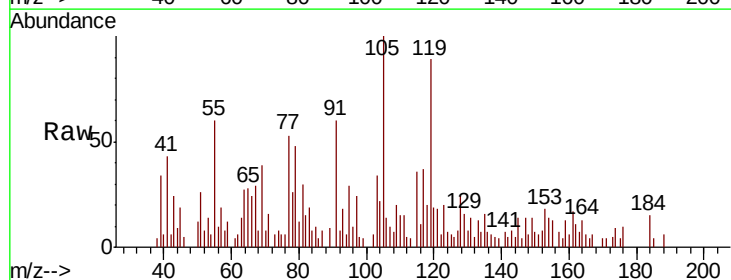
Tgt Ion:184 Resp: 968

Ion Ratio Lower Upper

184 100

63 92.5 56.7 85.1#

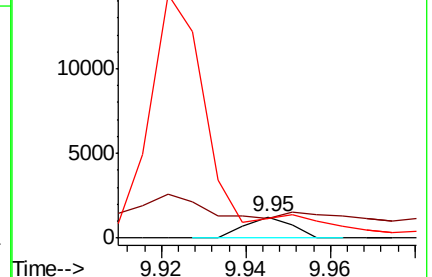
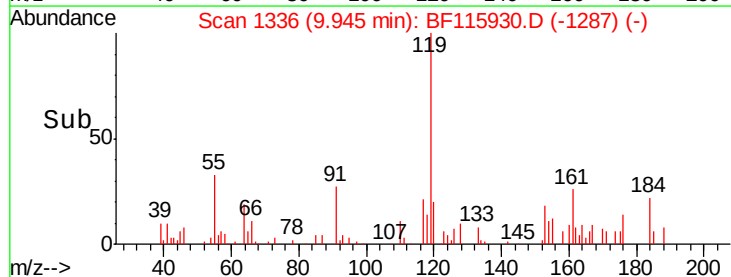
154 95.4 51.9 77.9#

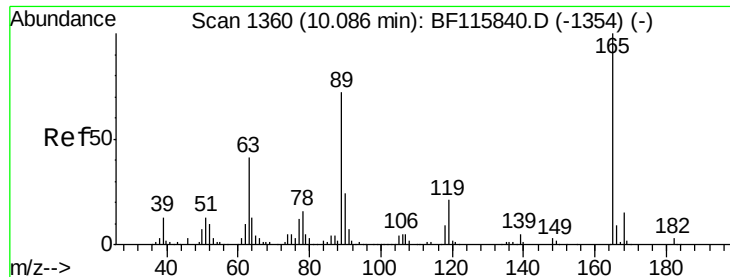


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 7.014 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF115930.D

Acq: 2 Aug 2019 1:55

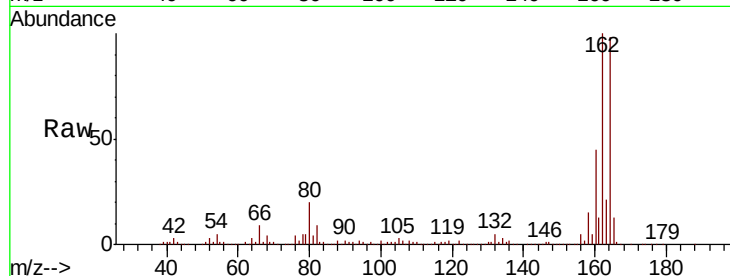
Instrument :

BNA_F

ClientSampleId :

WC-01

Tgt Ion:	165	Resp:	39396
Ion Ratio	Lower	Upper	
165	100		
63	3.7	33.2	49.8#
89	2.7	57.3	85.9#
182	0.0	2.1	3.1#

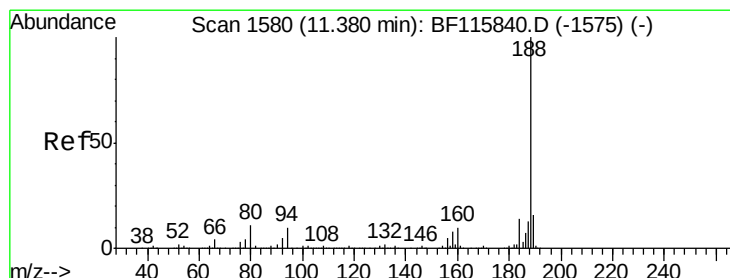
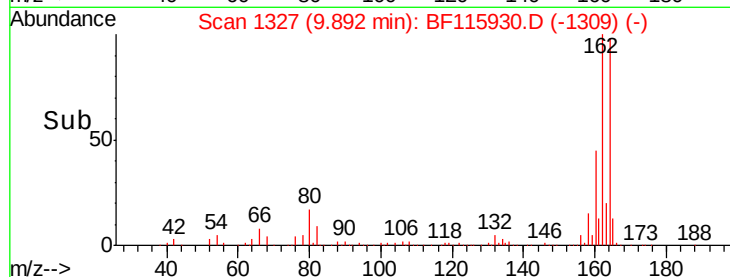
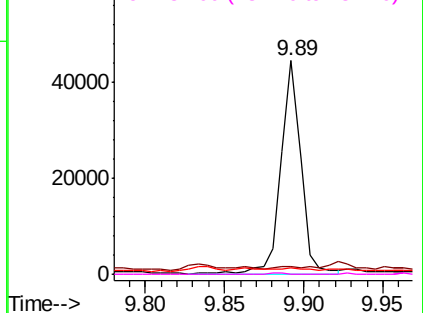


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

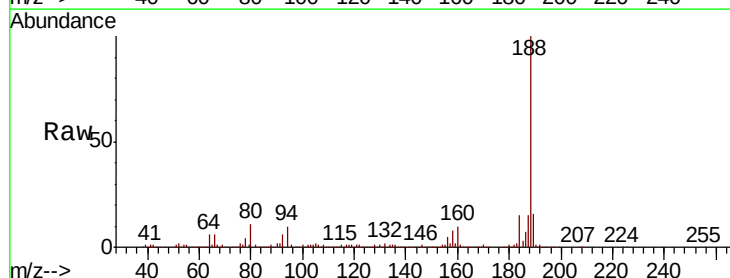
RT: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF115930.D

Acq: 2 Aug 2019 1:55

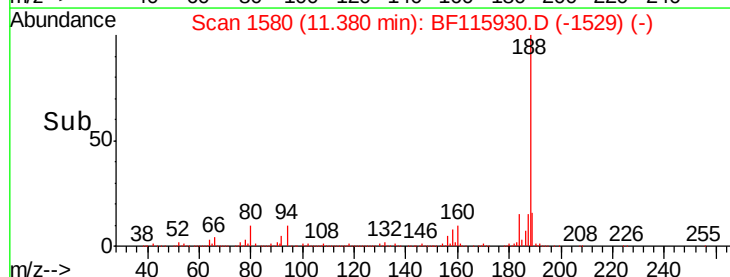
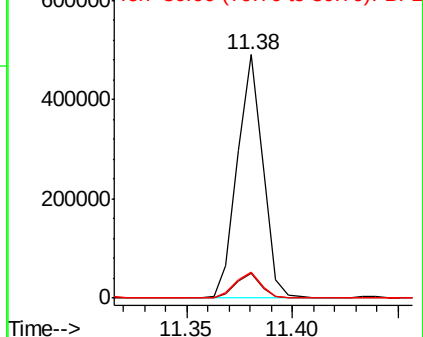
Tgt Ion:	188	Resp:	410019
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.0	12.0
80	10.6	8.6	12.8

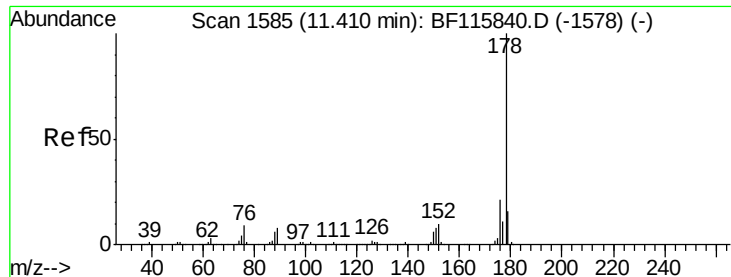


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

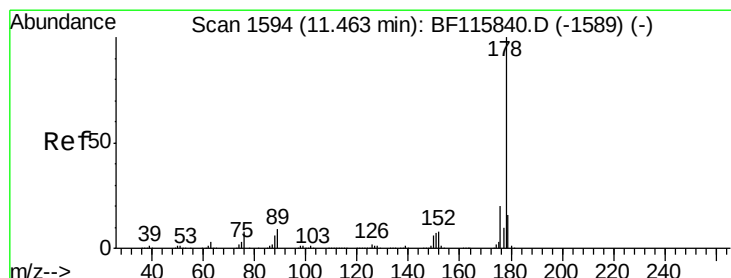
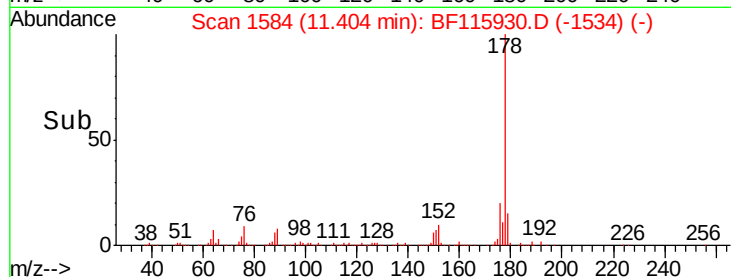
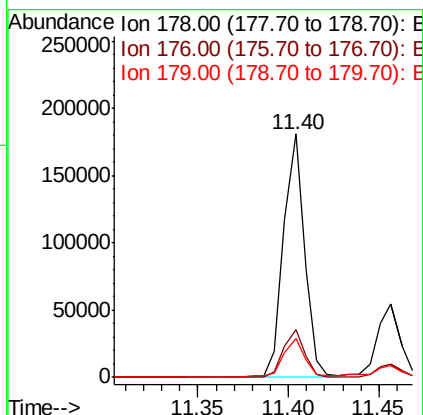
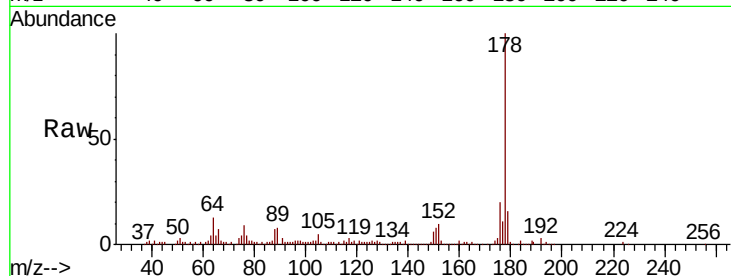




#71
Phenanthrene
Concen: 6.962 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115930.D
Acq: 2 Aug 2019 1:55

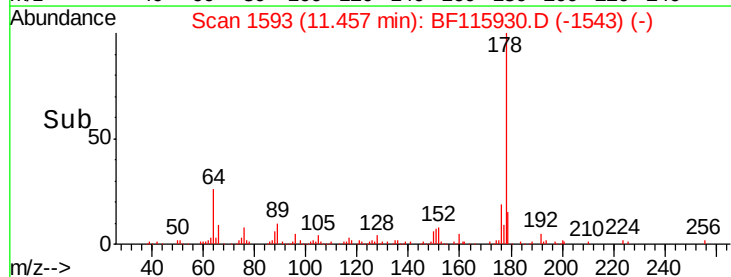
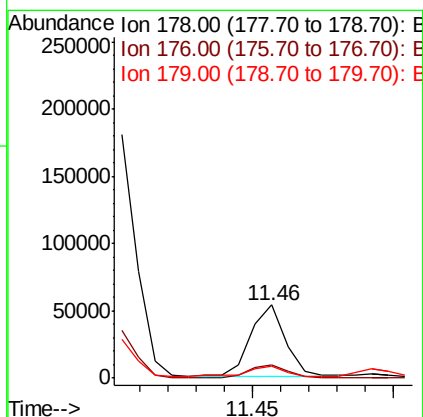
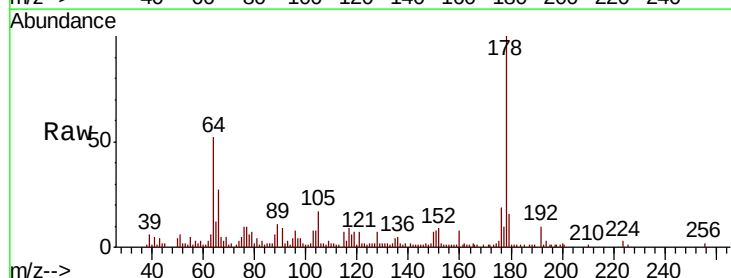
Instrument :
BNA_F
ClientSampled :
WC-01

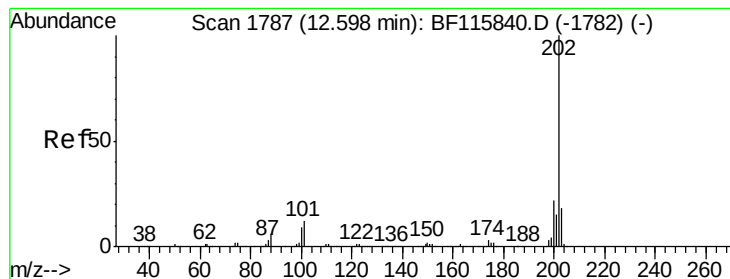
Tgt Ion:178 Resp: 145928
Ion Ratio Lower Upper
178 100
176 19.8 16.5 24.7
179 15.7 12.6 18.8



#72
Anthracene
Concen: 2.131 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF115930.D
Acq: 2 Aug 2019 1:55

Tgt Ion:178 Resp: 45202
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 15.7 12.4 18.6





#75

Fluoranthene

Concen: 15.051 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF115930.D

Acq: 2 Aug 2019 1:55

Instrument :

BNA_F

ClientSampled :

WC-01

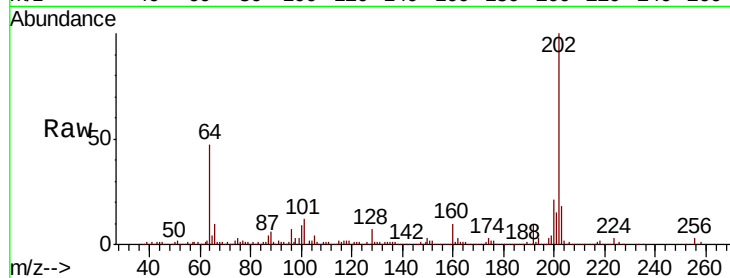
Tgt Ion: 202 Resp: 330278

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.5

203 18.0 0.0 37.9

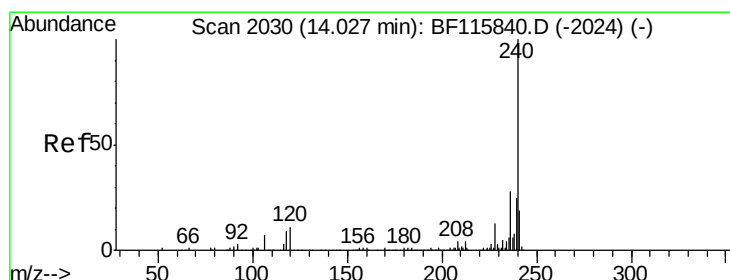
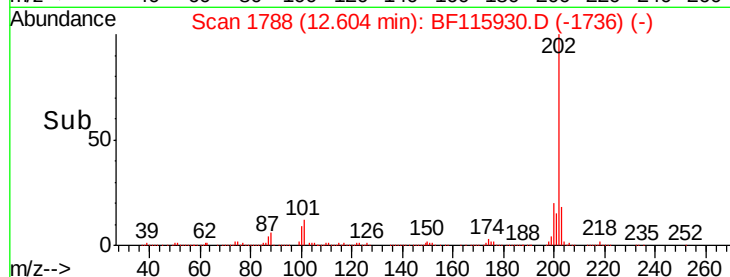
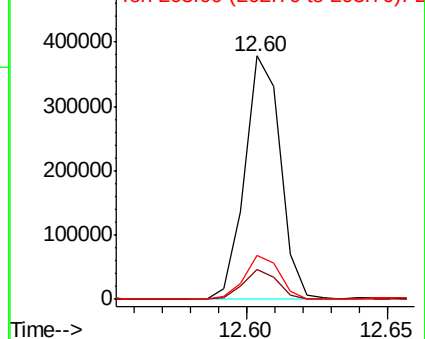


Abundance

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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF115930.D

Acq: 2 Aug 2019 1:55

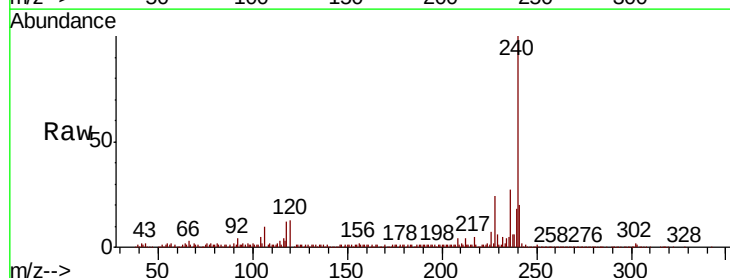
Tgt Ion: 240 Resp: 351151

Ion Ratio Lower Upper

240 100

120 13.4 8.5 12.7#

236 27.4 22.2 33.2

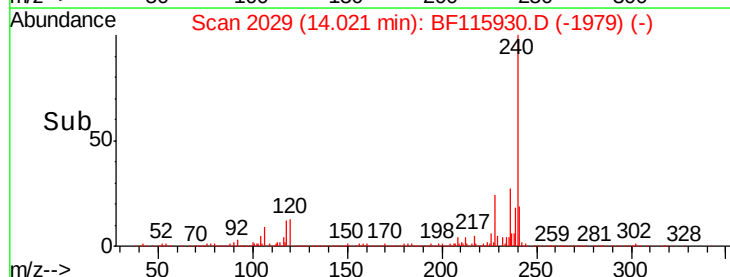
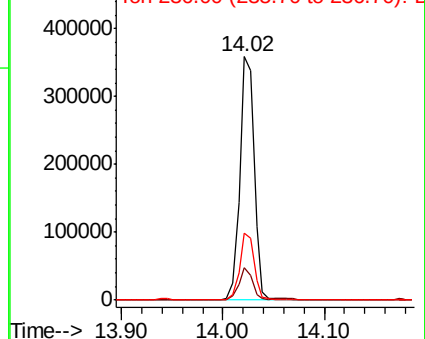


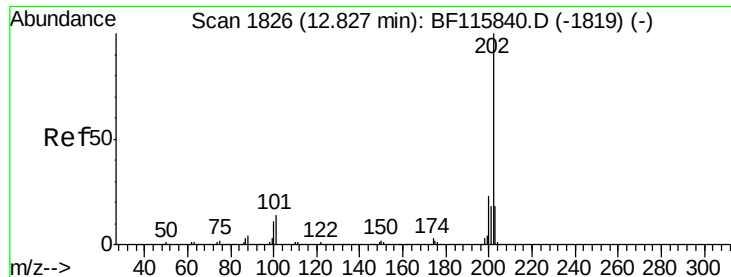
Abundance

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

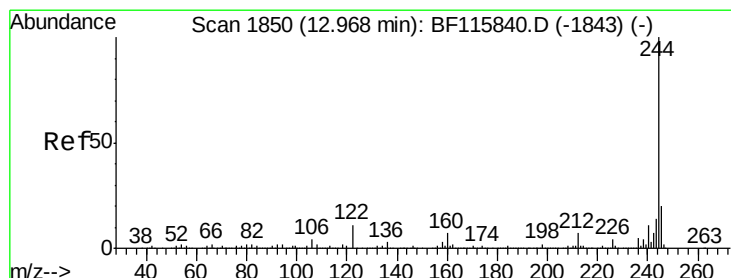
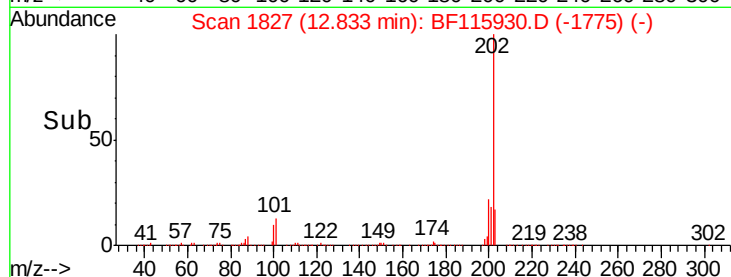
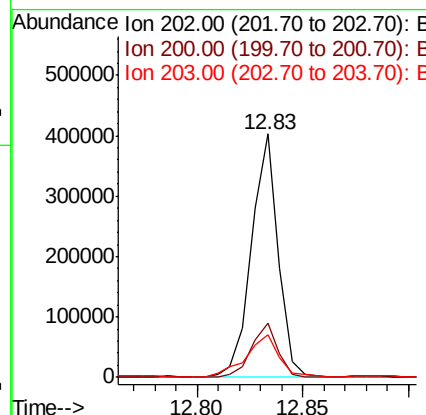
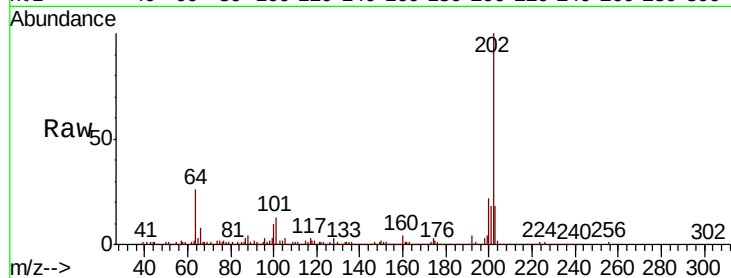




#78
 Pyrene
 Concen: 13.222 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF115930.D
 Acq: 2 Aug 2019 1:55

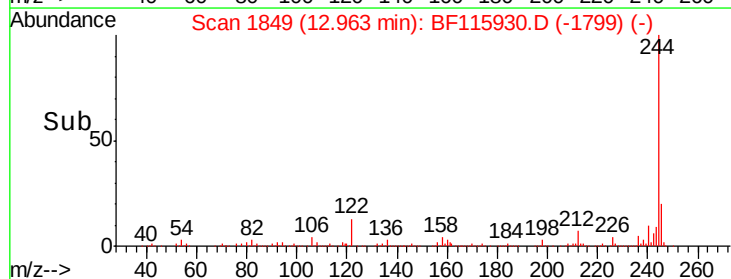
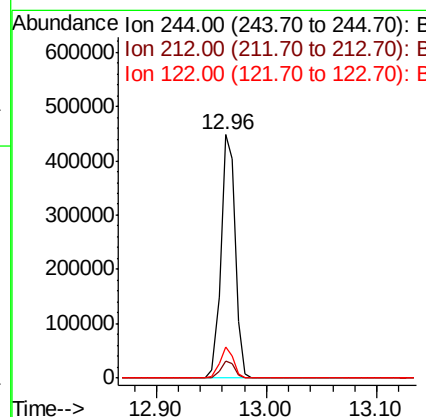
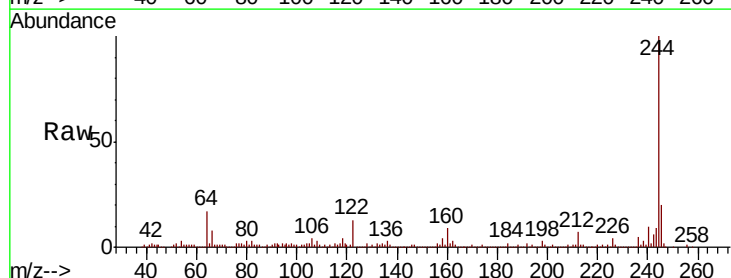
Instrument :
 BNA_F
 ClientSampled :
 WC-01

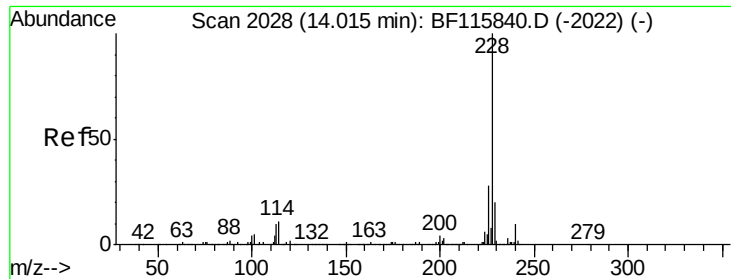
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.2	27.2
203	17.7	14.3	21.5



#79
 Terphenyl-d14
 Concen: 24.057 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115930.D
 Acq: 2 Aug 2019 1:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	12.8	8.6	13.0

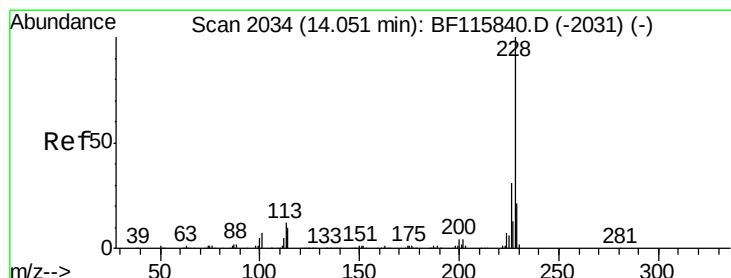
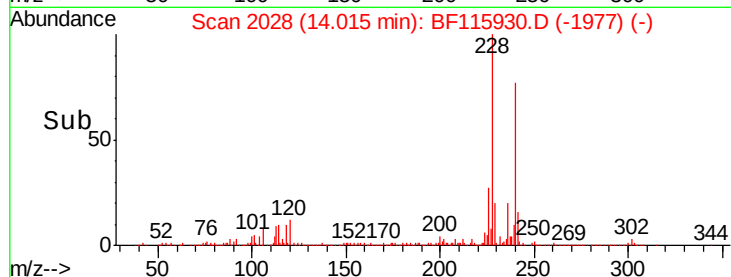
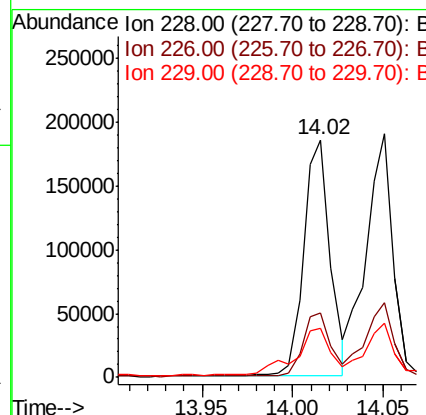
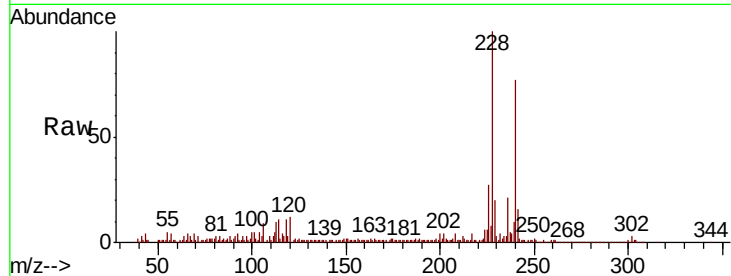




#81
Benzo(a)anthracene
Concen: 8.527 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF115930.D
Acq: 2 Aug 2019 1:55

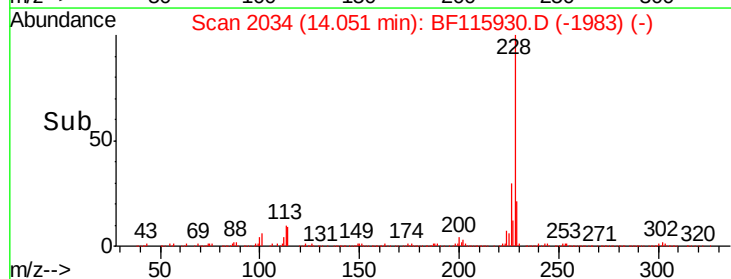
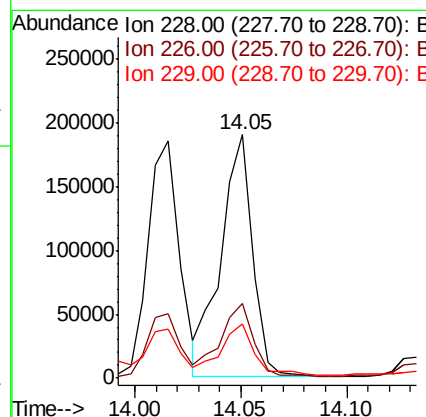
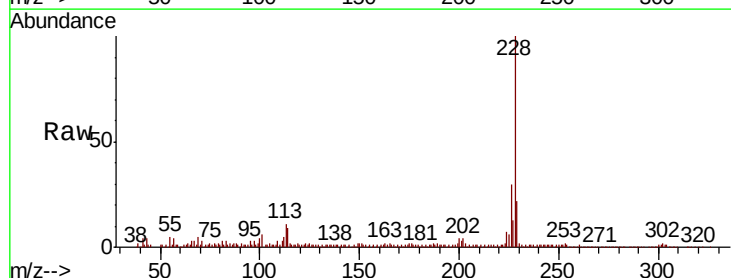
Instrument :
BNA_F
ClientSampleId :
WC-01

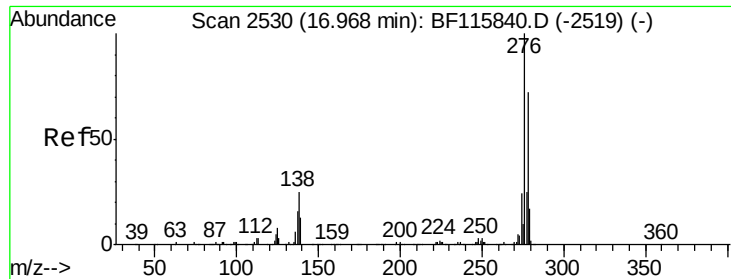
Tgt Ion:228 Resp: 191386
Ion Ratio Lower Upper
228 100
226 27.2 22.5 33.7
229 20.4 16.1 24.1



#83
Chrysene
Concen: 9.052 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF115930.D
Acq: 2 Aug 2019 1:55

Tgt Ion:228 Resp: 197252
Ion Ratio Lower Upper
228 100
226 30.4 24.8 37.2
229 22.0 16.4 24.6

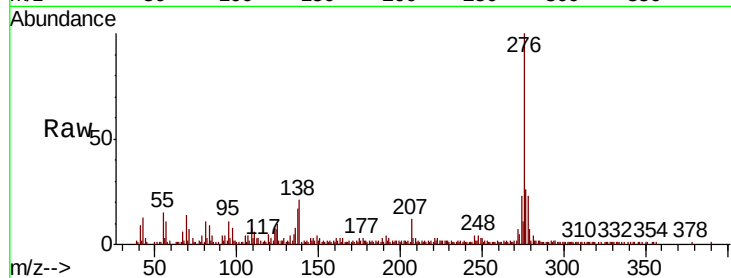




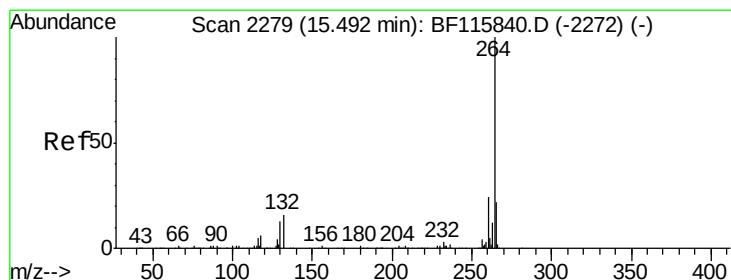
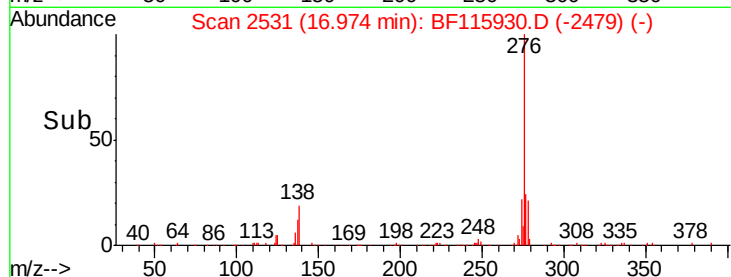
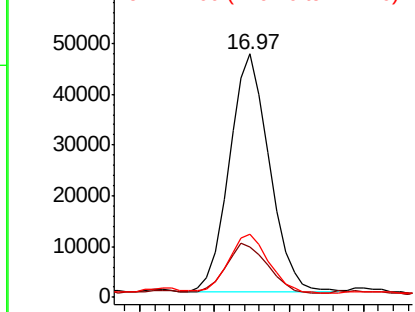
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.763 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. 0.01 min
 Lab File: BF115930.D
 Acq: 2 Aug 2019 1:55

Instrument :
 BNA_F
 ClientSampleId :
 WC-01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	19.6	29.4
277	25.0	20.1	30.1

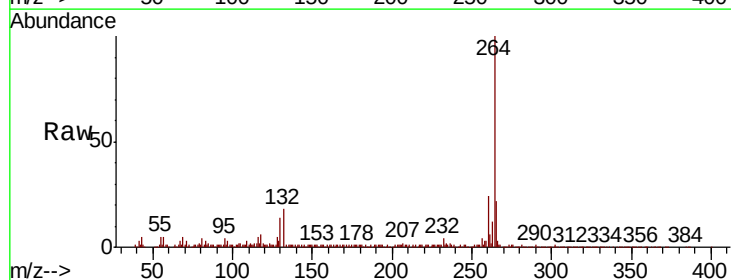


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

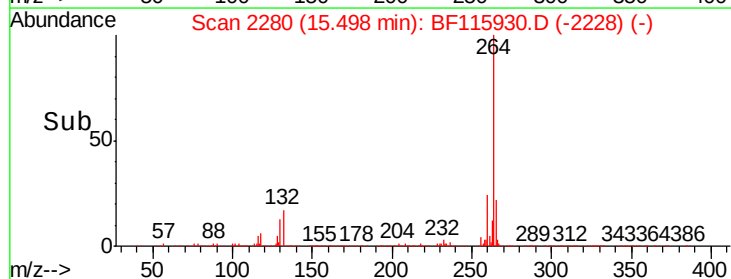
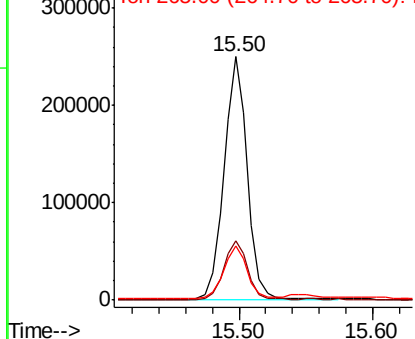


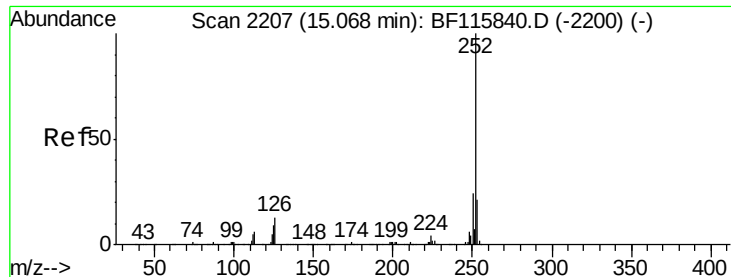
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: BF115930.D
 Acq: 2 Aug 2019 1:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	22.3	17.5	26.3



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

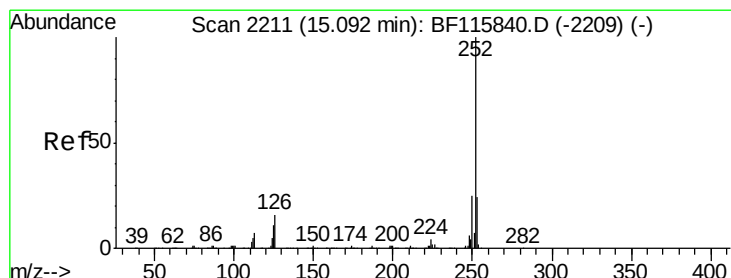
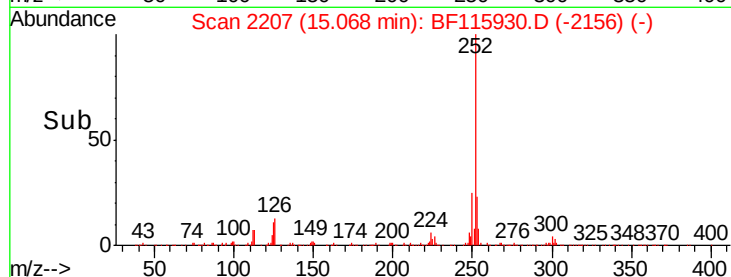
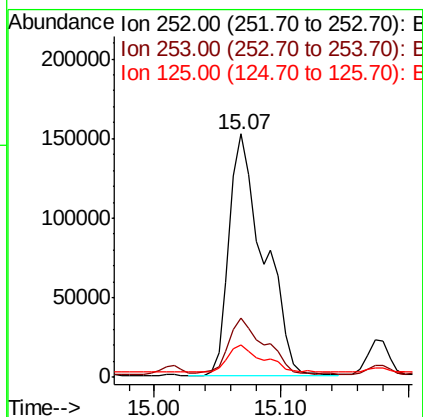
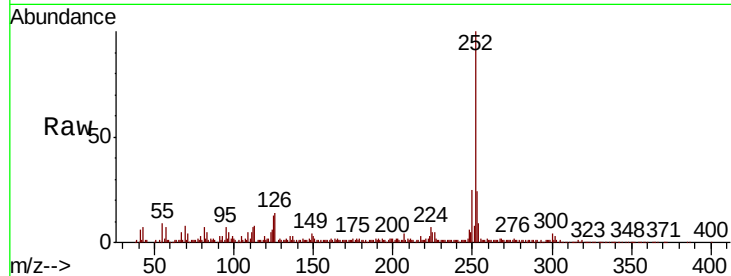




#88
Benzo(b)fluoranthene
Concen: 16.324 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.00 min
Lab File: BF115930.D
Acq: 2 Aug 2019 1:55

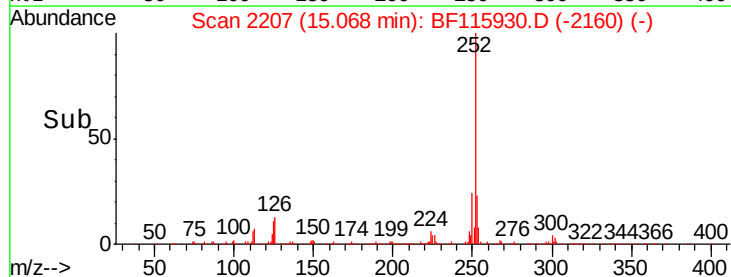
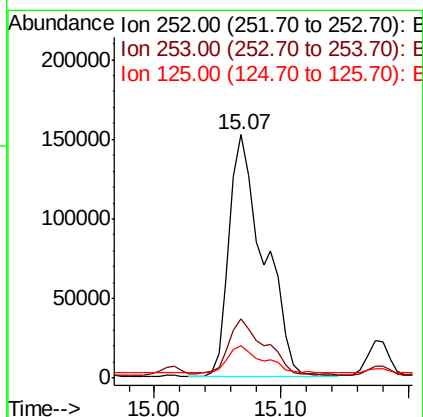
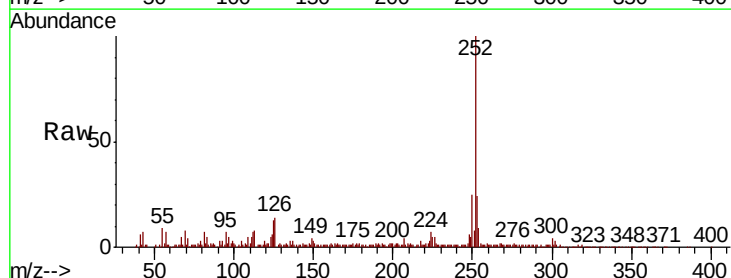
Instrument :
BNA_F
ClientSampleId :
WC-01

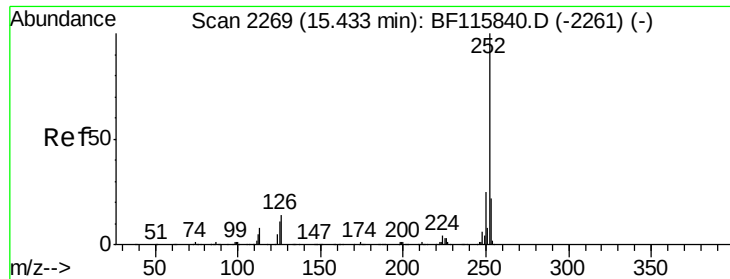
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	13.3	7.4	11.0



#89
Benzo(k)fluoranthene
Concen: 16.760 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF115930.D
Acq: 2 Aug 2019 1:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.4
125	13.3	8.9	13.3





#90

Benzo(a)pyrene

Concen: 8.268 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.00 min

Lab File: BF115930.D

Acq: 2 Aug 2019 1:55

Instrument :

BNA_F

ClientSampled :

WC-01

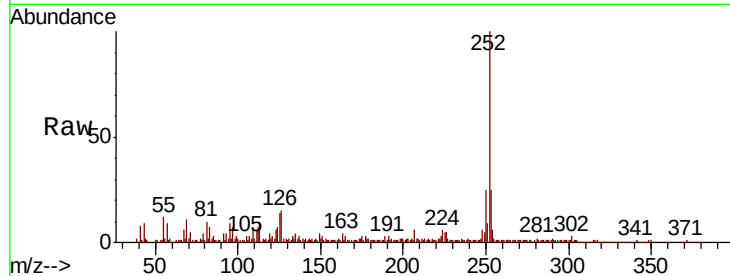
Tgt Ion: 252 Resp: 129908

Ion Ratio Lower Upper

252 100

253 25.0 17.8 26.6

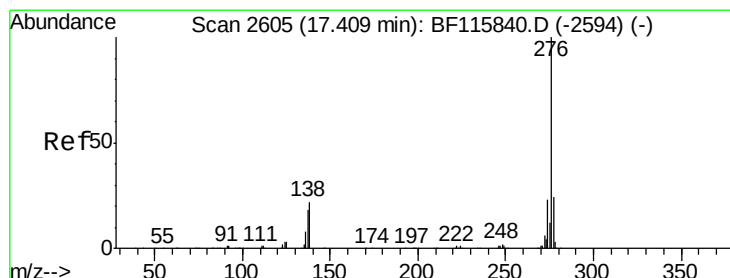
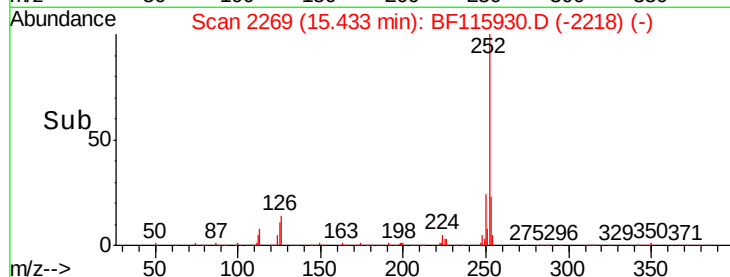
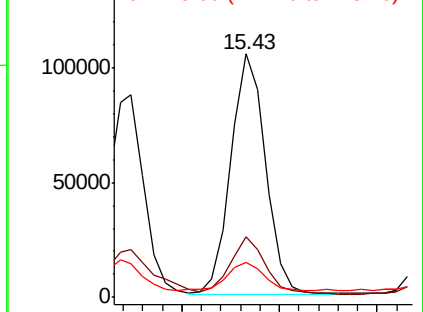
125 14.1 8.8 13.2#



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



#92

Benzo(g,h,i)perylene

Concen: 6.684 ng

RT: 17.42 min Scan# 2607

Delta R.T. 0.01 min

Lab File: BF115930.D

Acq: 2 Aug 2019 1:55

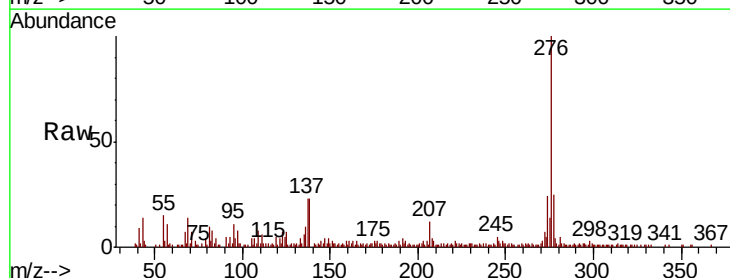
Tgt Ion: 276 Resp: 89287

Ion Ratio Lower Upper

276 100

277 25.1 19.5 29.3

138 23.5 17.8 26.8



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

