

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
 Data File : BF115889.D
 Acq On : 1 Aug 2019 1:38
 Operator : HP/JU
 Sample : K3622-13 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072919-A

Quant Time: Aug 01 05:01:23 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	135247	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	500949	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	234958	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	388770	20.00	ng	0.00
76) Chrysene-d12	14.03	240	331448	20.00	ng	0.00
87) Perylene-d12	15.50	264	266824	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	338839	41.94	ng	0.00
7) Phenol-d6	6.48	99	446934	43.85	ng	0.00
23) Nitrobenzene-d5	7.41	82	246864	28.45	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	94201	41.35	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	491409	39.17	ng	0.00
79) Terphenyl-d14	12.96	244	515405	32.77	ng	0.00

Target Compounds

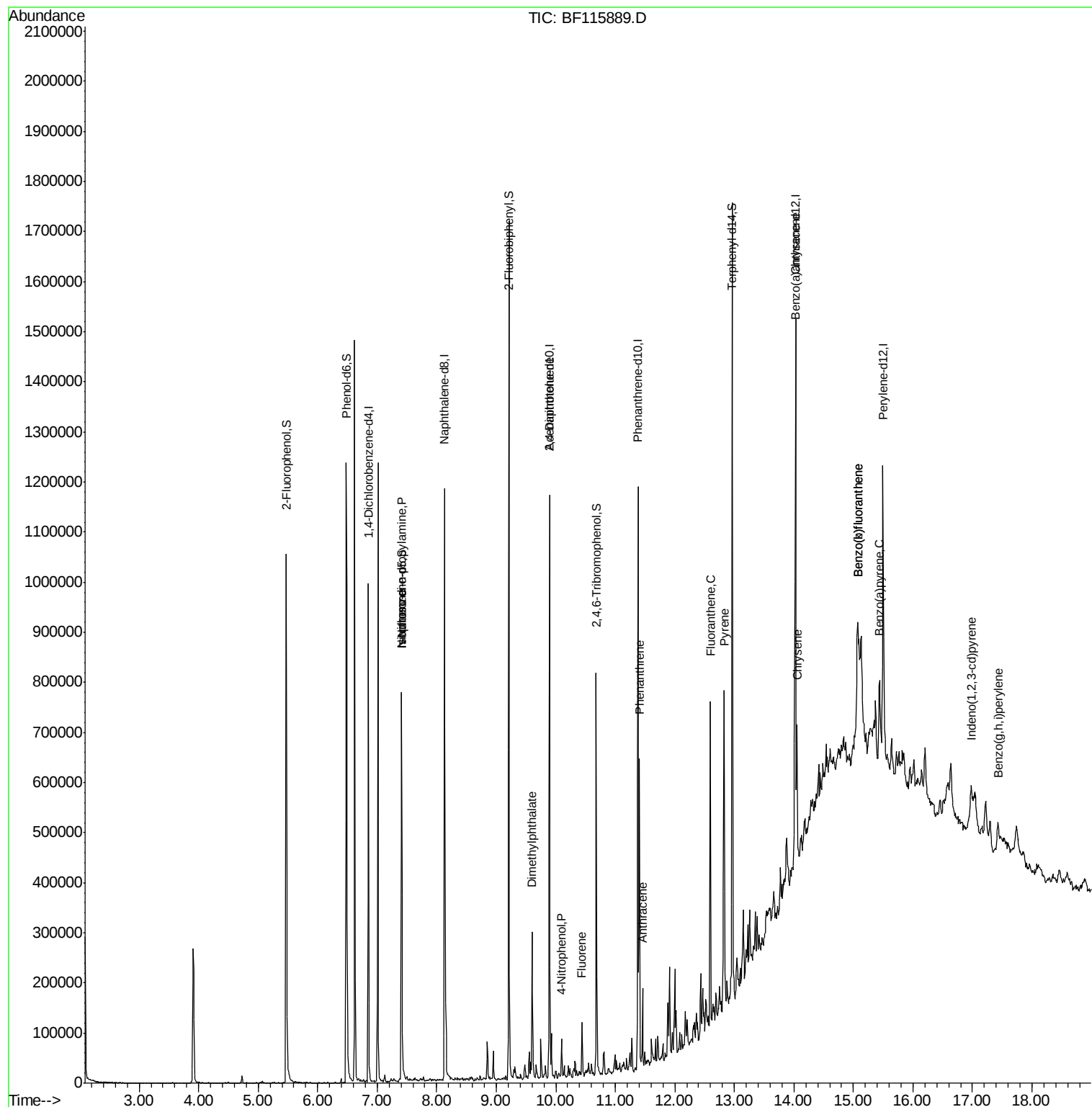
						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	32378	5.126	ng	# 77
25) Isophorone	7.41	82	246861	14.876	ng	# 66
50) Dimethylphthalate	9.60	163	105253	6.579	ng	99
56) 4-Nitrophenol	10.10	139	9121	3.314	ng	# 13
57) 2,4-Dinitrotoluene	9.89	165	31260	6.753	ng	# 25
58) Fluorene	10.44	166	35277	2.552	ng	98
71) Phenanthrene	11.40	178	206240	10.377	ng	99
72) Anthracene	11.46	178	55333	2.751	ng	98
75) Fluoranthene	12.60	202	253936	12.204	ng	98
78) Pyrene	12.83	202	269978	10.806	ng	99
81) Benzo(a)anthracene	14.02	228	102715	4.848	ng	92
83) Chrysene	14.05	228	110386	5.367	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	35988	2.083	ng	97
88) Benzo(b)fluoranthene	15.07	252	124255	8.054	ng	# 87
89) Benzo(k)fluoranthene	15.07	252	124255	8.269	ng	# 91
90) Benzo(a)pyrene	15.43	252	66633	4.831	ng	# 89
92) Benzo(g,h,i)perylene	17.43	276	37942	3.236	ng	# 94

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

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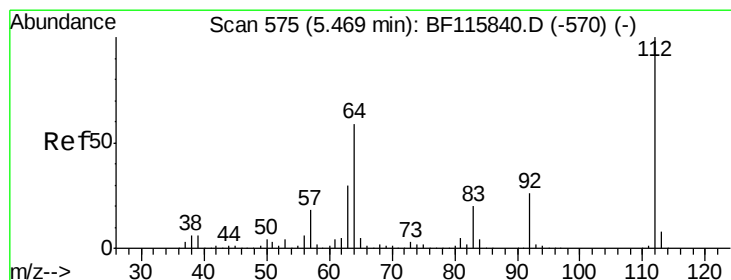
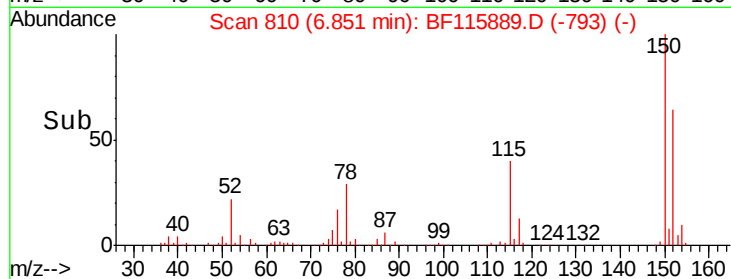
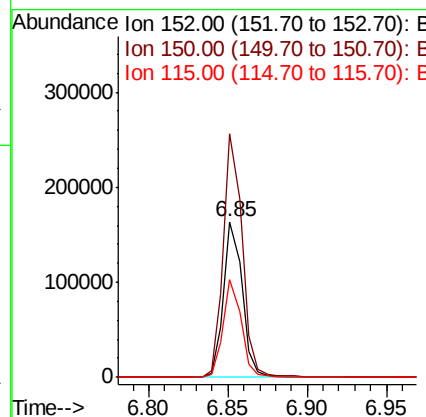
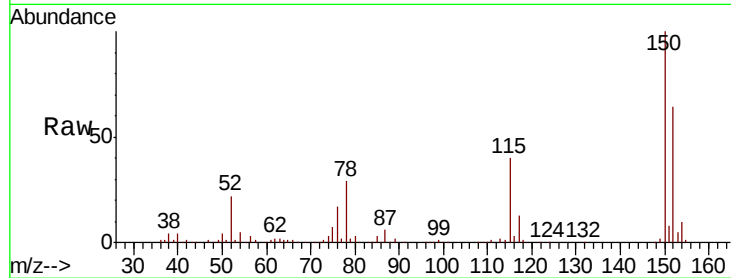




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF115889.D
 Acq: 1 Aug 2019 1:38

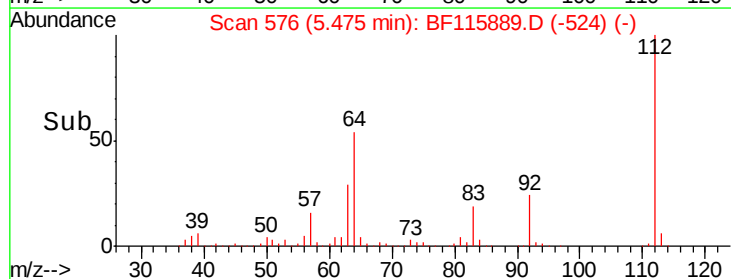
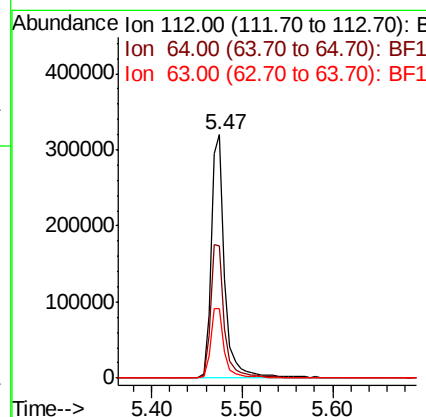
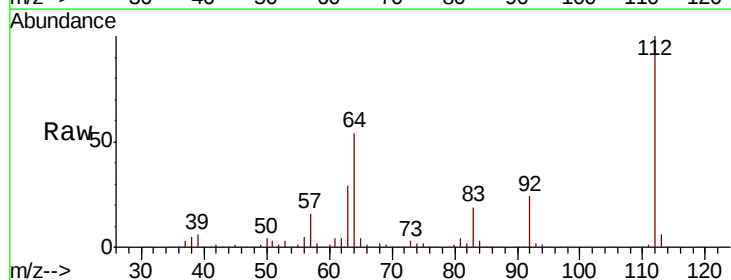
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072919-A

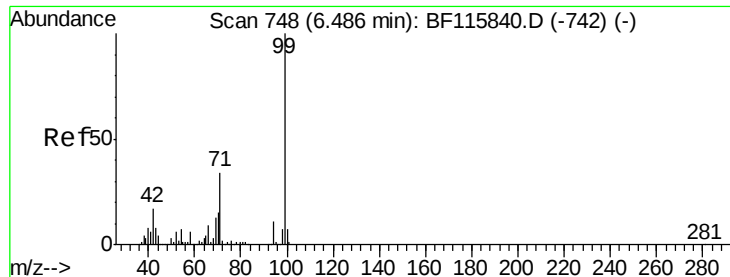
Tgt Ion:152 Resp: 135247
 Ion Ratio Lower Upper
 152 100
 150 156.2 127.4 191.0
 115 62.7 51.8 77.8



#5
 2-Fluorophenol
 Concen: 41.941 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.01 min
 Lab File: BF115889.D
 Acq: 1 Aug 2019 1:38

Tgt Ion:112 Resp: 338839
 Ion Ratio Lower Upper
 112 100
 64 54.5 46.8 70.2
 63 28.8 24.2 36.2





#7

Phenol-d6

Concen: 43.847 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

Instrument :

BNA_F

ClientSampleId :

OR-03-072919-A

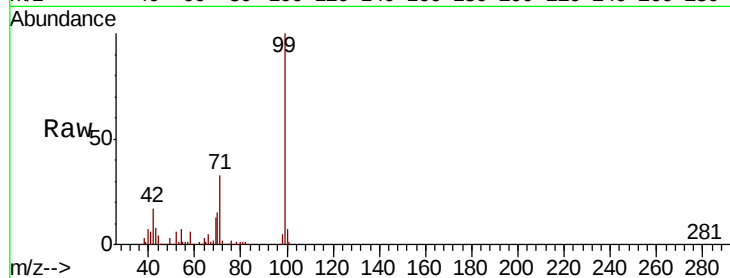
Tgt Ion: 99 Resp: 446934

Ion Ratio Lower Upper

99 100

42 17.4 13.8 20.6

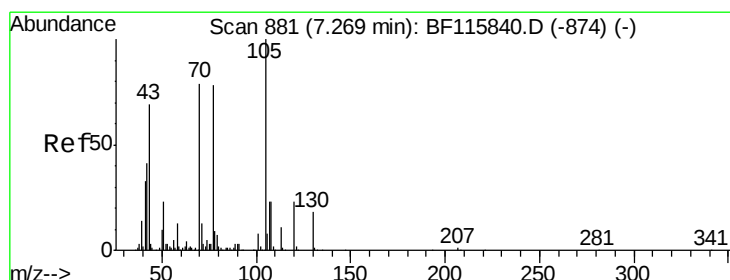
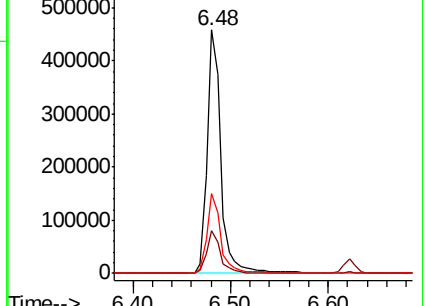
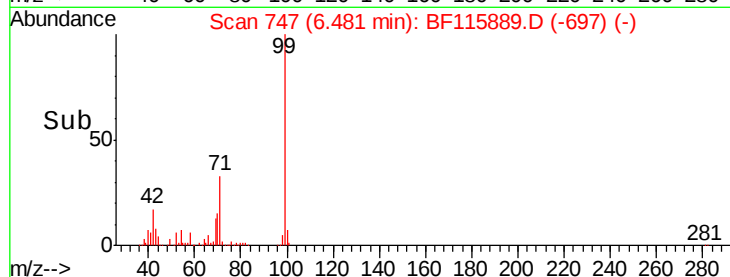
71 33.0 27.1 40.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.126 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

Tgt Ion: 70 Resp: 32378

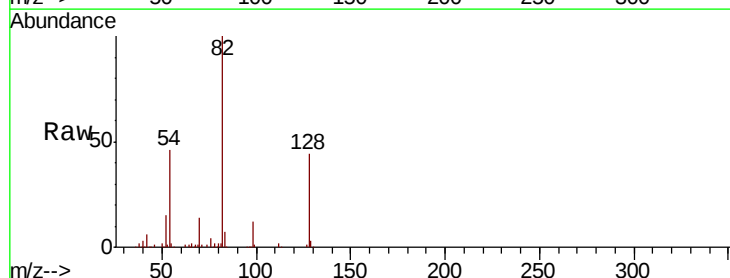
Ion Ratio Lower Upper

70 100

42 41.7 41.8 62.8#

101 0.0 7.7 11.5#

130 2.2 17.8 26.6#

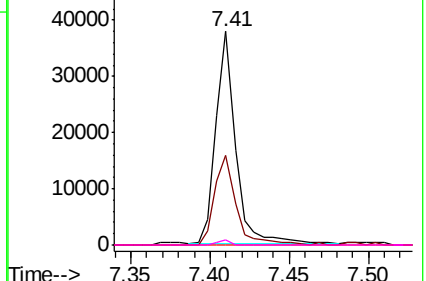
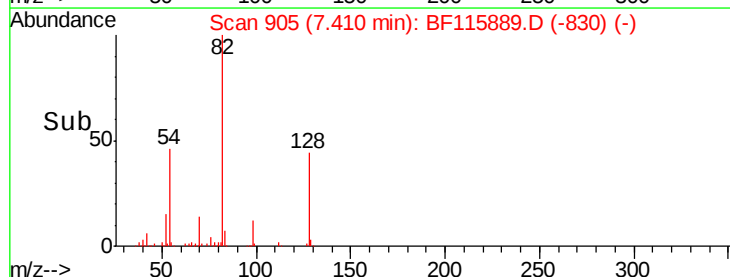


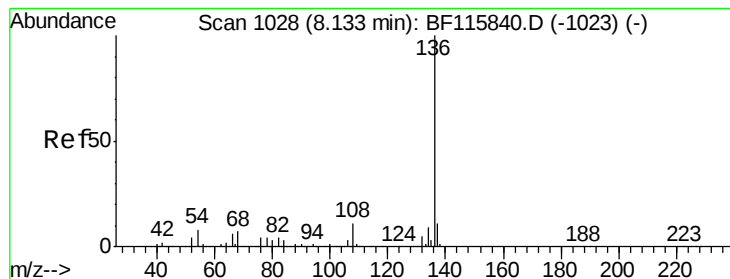
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

Instrument :

BNA_F

ClientSampleId :

OR-03-072919-A

Tgt Ion:136 Resp: 500949

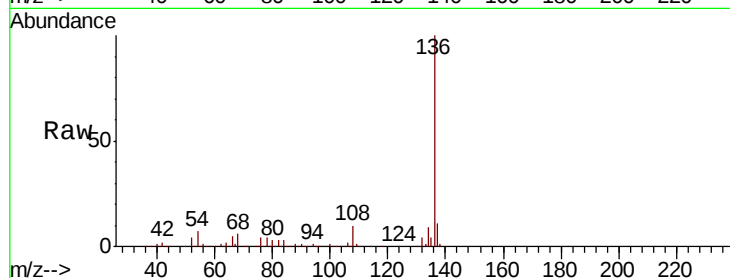
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.3 6.1 9.1

68 6.2 5.4 8.2

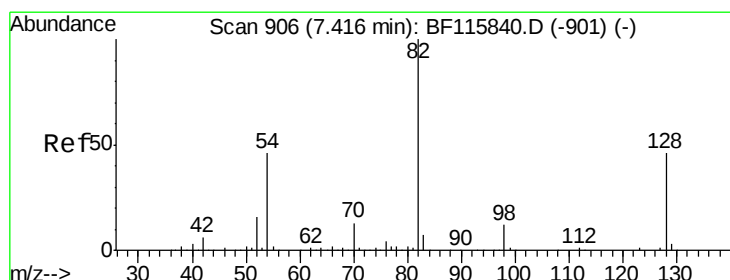
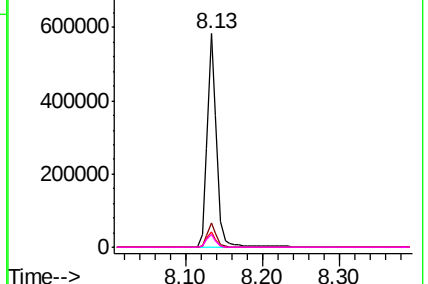
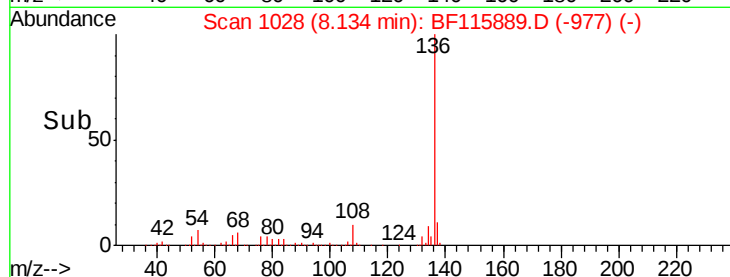


Abundance Ion 136.00 (135.70 to 136.70): E

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: 28.446 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

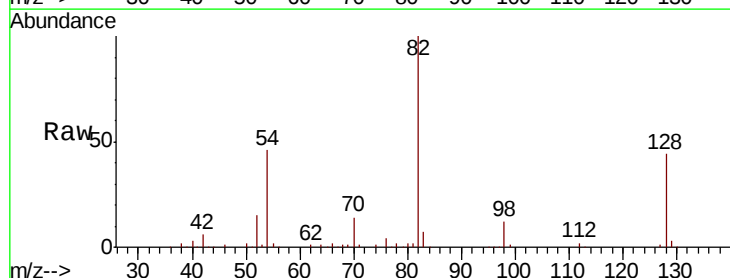
Tgt Ion: 82 Resp: 246864

Ion Ratio Lower Upper

82 100

128 44.1 36.6 55.0

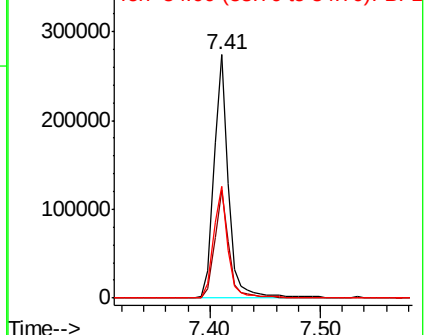
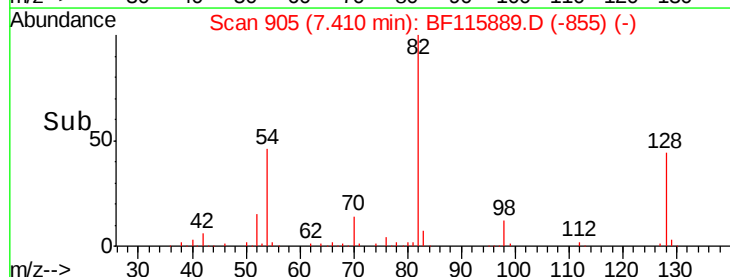
54 45.7 36.6 55.0



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: 14.876 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

Instrument :

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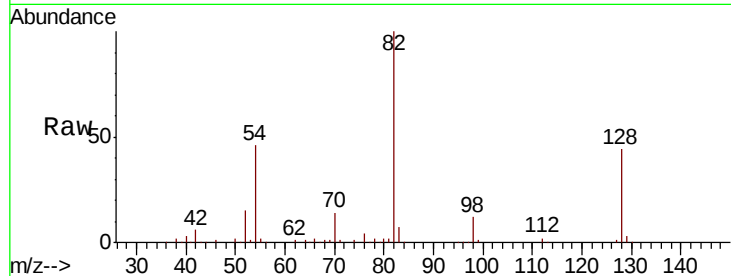
Tgt Ion: 82 Resp: 246861

Ion Ratio Lower Upper

82 100

95 0.2 5.5 8.3#

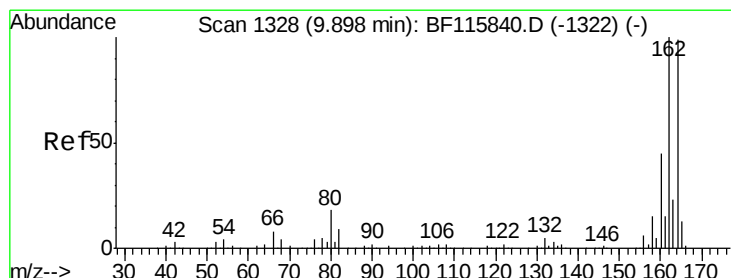
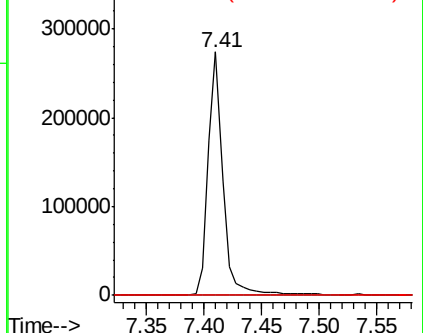
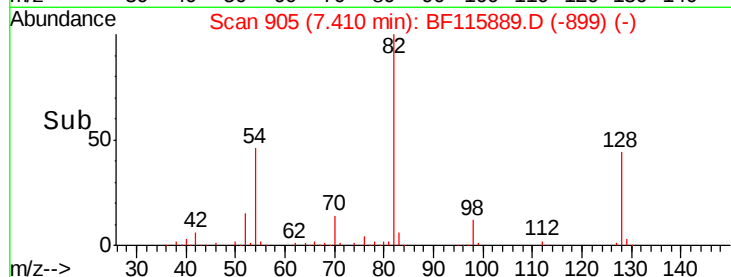
138 0.0 13.9 20.9#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

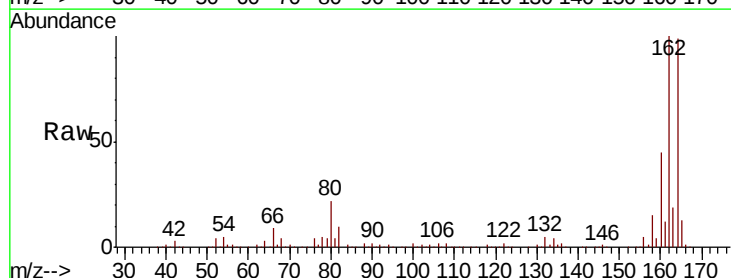
Tgt Ion: 164 Resp: 234958

Ion Ratio Lower Upper

164 100

162 100.9 80.8 121.2

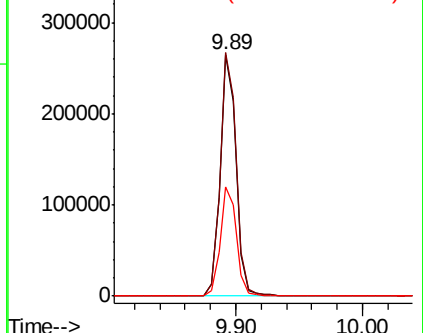
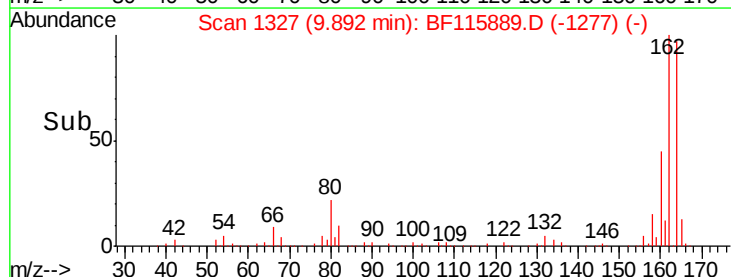
160 45.5 36.2 54.4



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: 41.353 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

Instrument :

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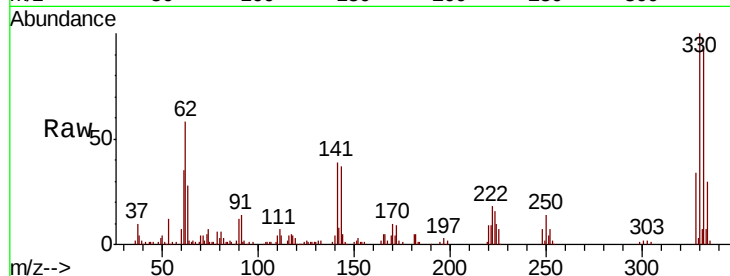
Tgt Ion:330 Resp: 94201

Ion Ratio Lower Upper

330 100

332 94.1 77.7 116.5

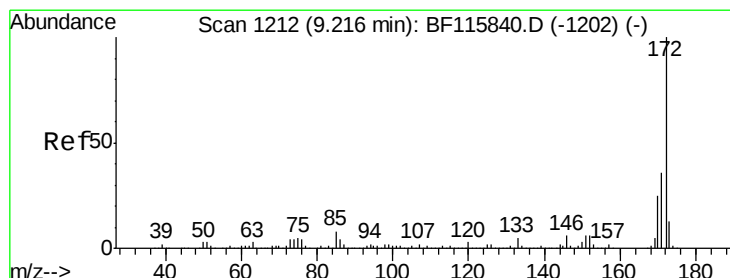
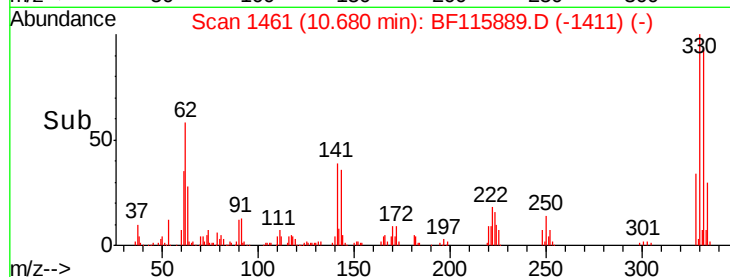
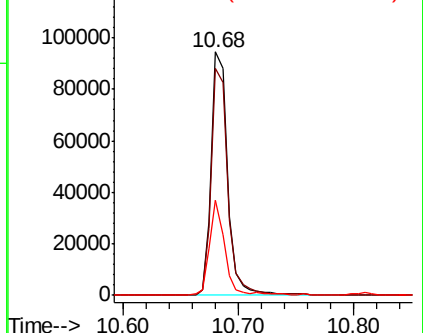
141 36.4 28.1 42.1



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: 39.175 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

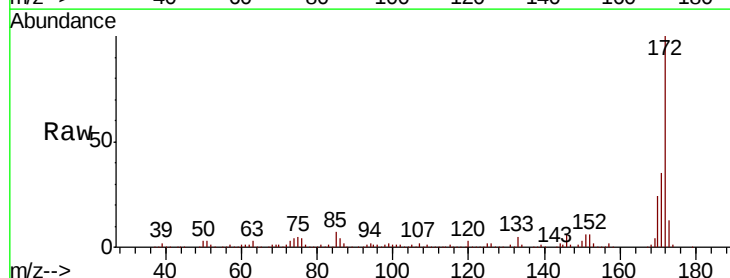
Tgt Ion:172 Resp: 491409

Ion Ratio Lower Upper

172 100

171 35.3 29.1 43.7

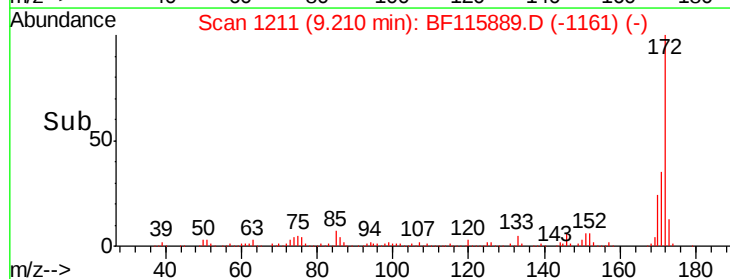
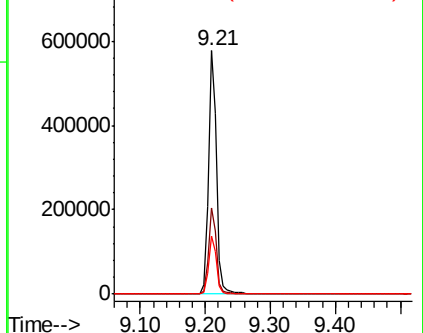
170 23.8 20.1 30.1

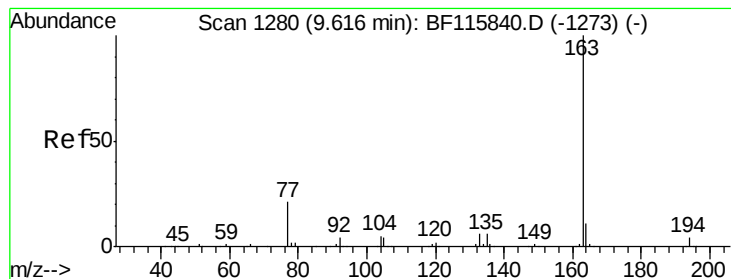


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.579 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115889.D

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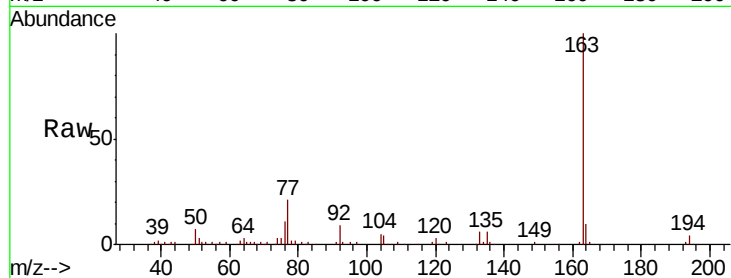
Tgt Ion:163 Resp: 105253

Ion Ratio Lower Upper

163 100

194 3.8 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

150000

100000

50000

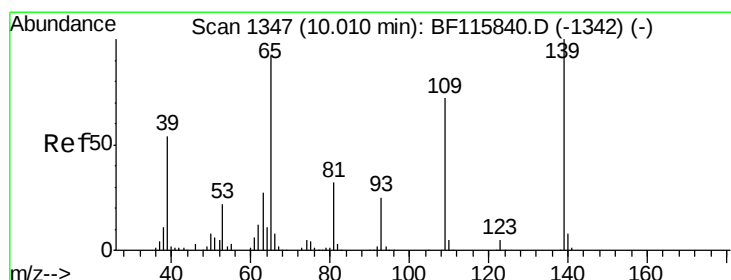
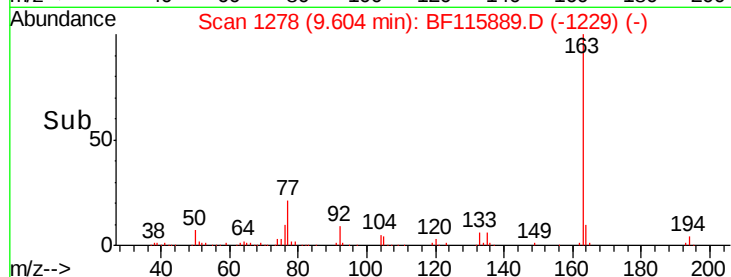
0

9.60

9.60

9.70

Time-->



#56

4-Nitrophenol

Concen: 3.314 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.09 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

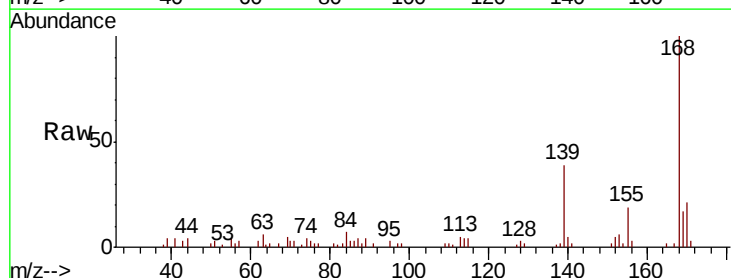
Tgt Ion:139 Resp: 9121

Ion Ratio Lower Upper

139 100

109 5.8 52.0 92.0#

65 4.5 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

12000

10000

8000

6000

4000

2000

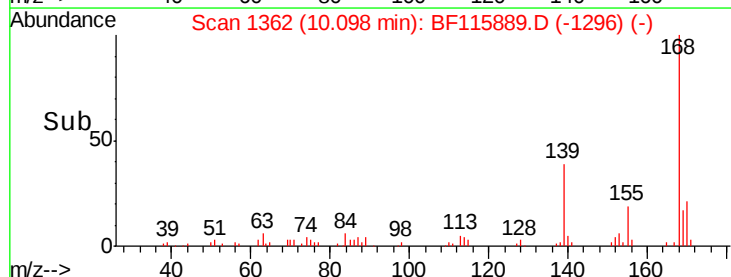
0

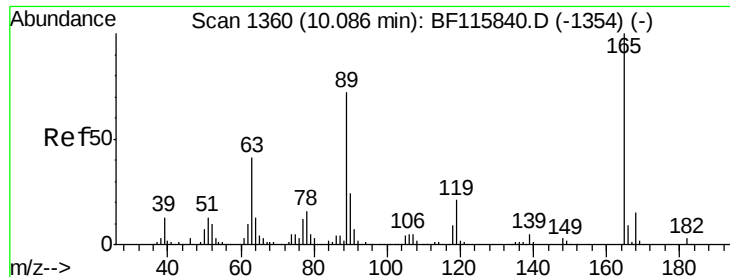
10.10

10.10

10.15

Time-->

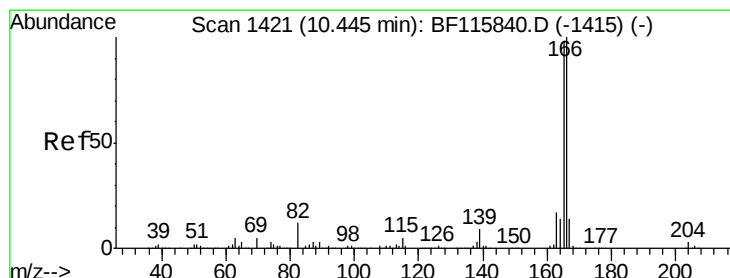
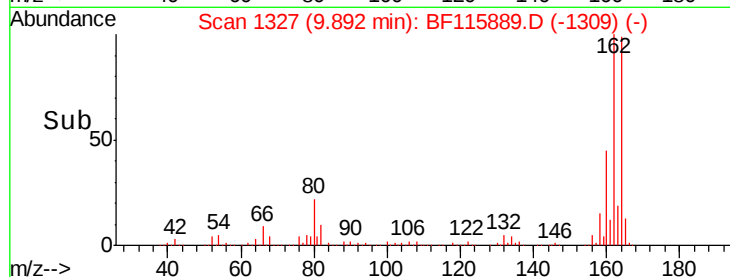
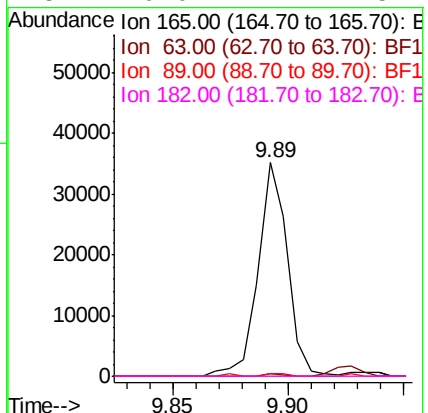
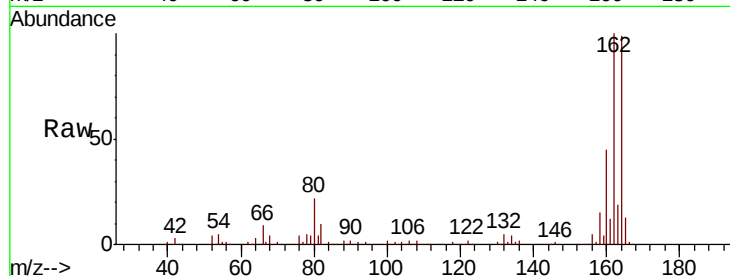




#57
 2,4-Dinitrotoluene
 Concen: 6.753 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF115889.D
 Acq: 1 Aug 2019 1:38

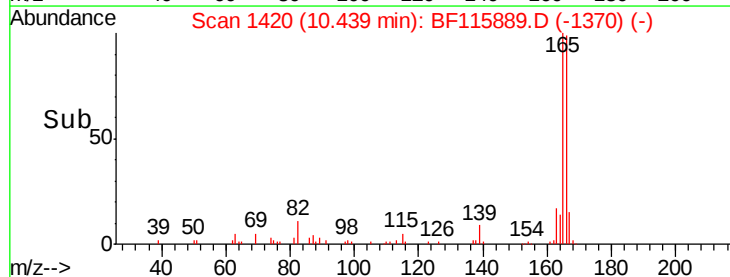
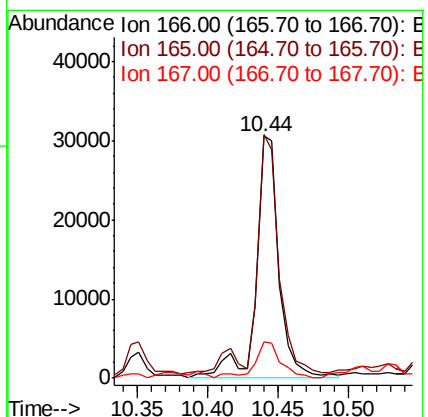
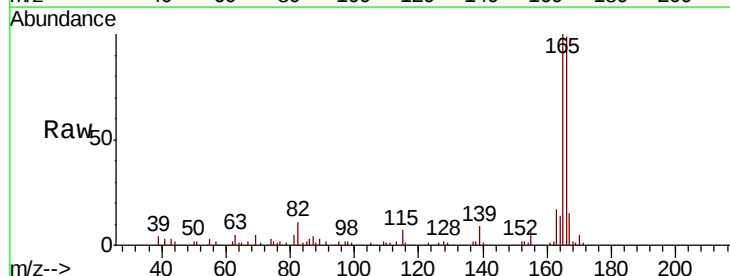
Instrument :
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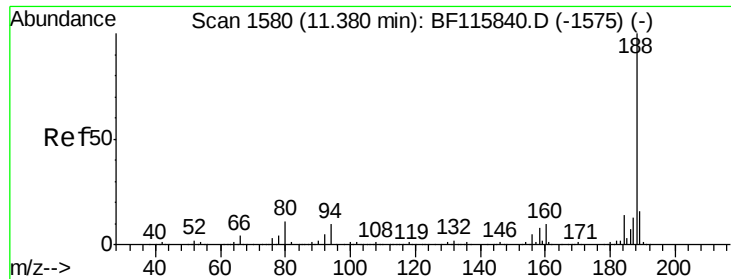
Tgt Ion:	165	Resp:	31260
Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.2	49.8#
89	1.5	57.3	85.9#
182	0.0	2.1	3.1#



#58
 Fluorene
 Concen: 2.552 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF115889.D
 Acq: 1 Aug 2019 1:38

Tgt Ion:	166	Resp:	35277
Ion	Ratio	Lower	Upper
166	100		
165	100.5	78.6	118.0
167	15.0	10.9	16.3

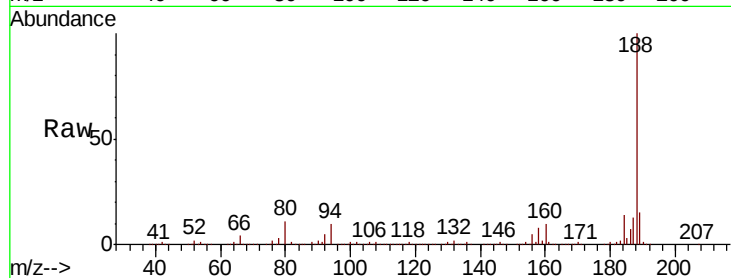




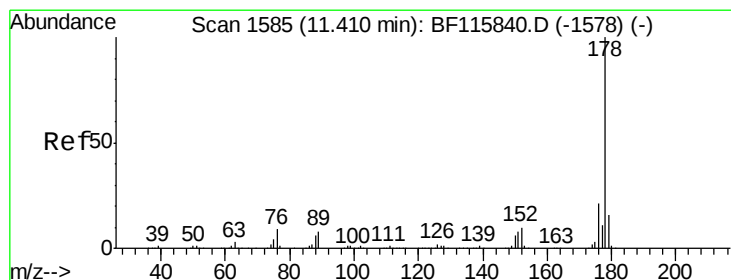
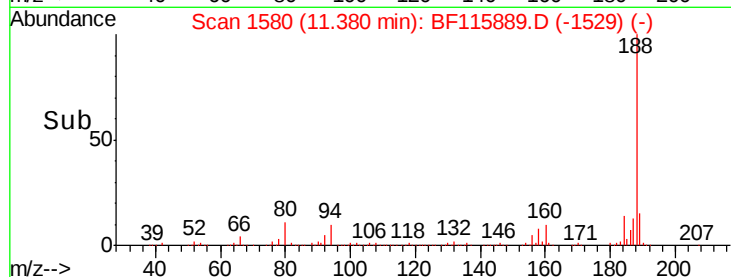
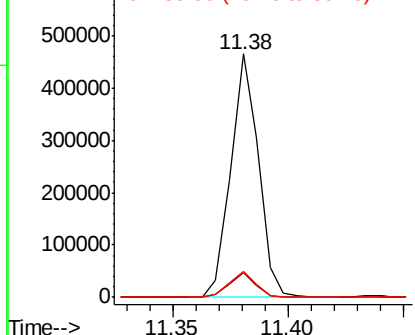
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

Instrument :
BNA_F
ClientSampleId :
OR-03-072919-A

Tgt Ion:188 Resp: 388770
Ion Ratio Lower Upper
188 100
94 10.2 8.0 12.0
80 10.7 8.6 12.8

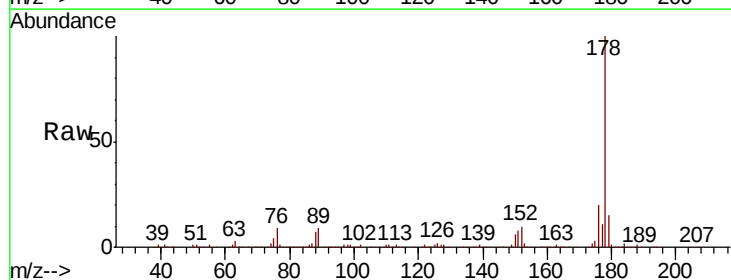


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

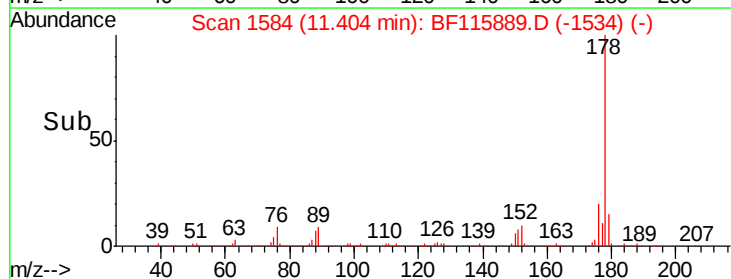
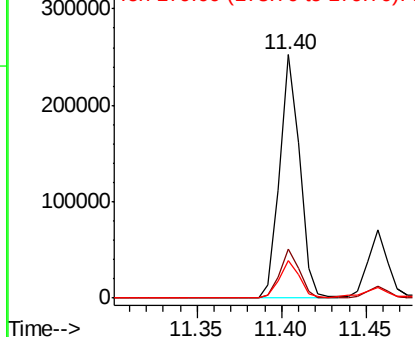


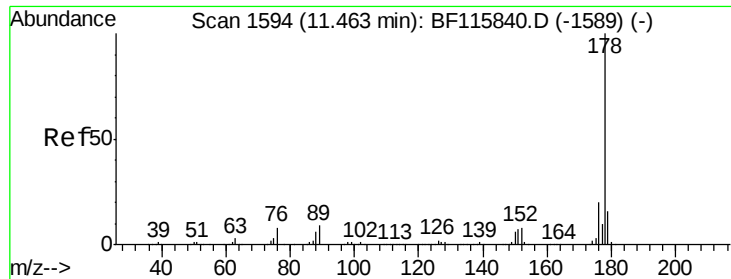
#71
Phenanthrene
Concen: 10.377 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

Tgt Ion:178 Resp: 206240
Ion Ratio Lower Upper
178 100
176 20.1 16.5 24.7
179 15.4 12.6 18.8



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





#72

Anthracene

Concen: 2.751 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

Instrument :

BNA_F

ClientSampleId :

OR-03-072919-A

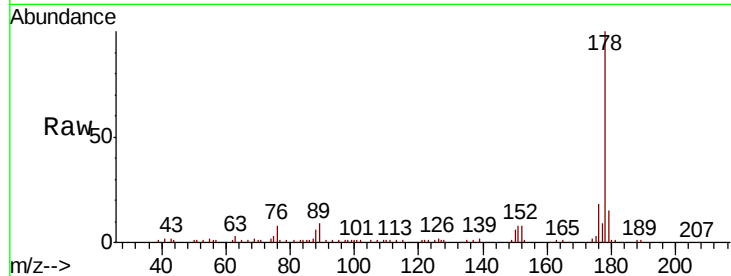
Tgt Ion:178 Resp: 55333

Ion Ratio Lower Upper

178 100

176 18.2 15.7 23.5

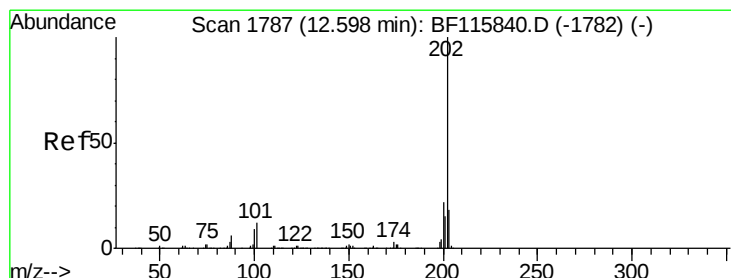
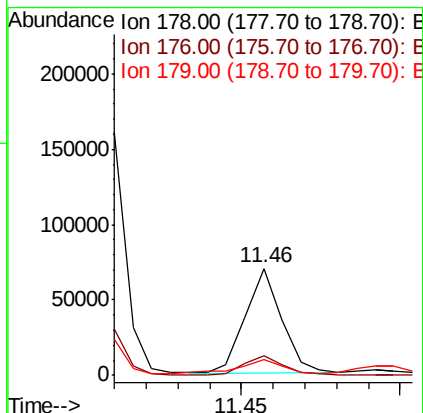
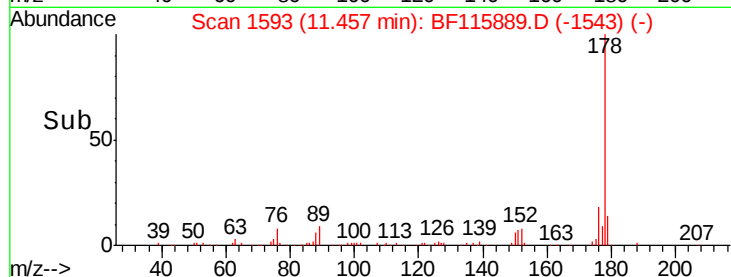
179 15.1 12.4 18.6



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: 12.204 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

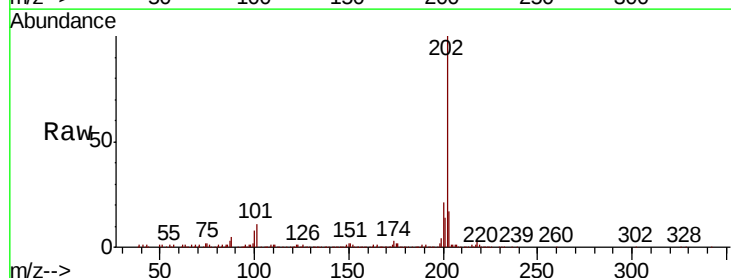
Tgt Ion:202 Resp: 253936

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.5

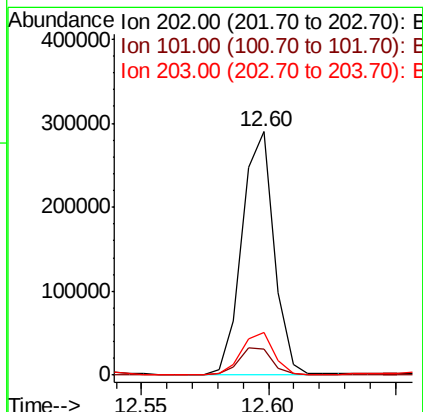
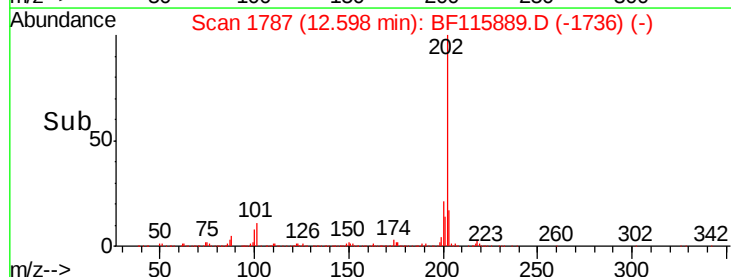
203 17.3 0.0 37.9

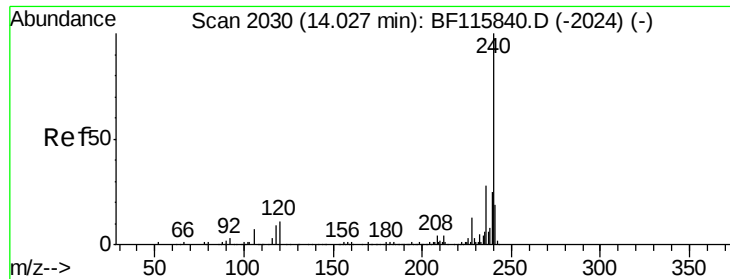


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

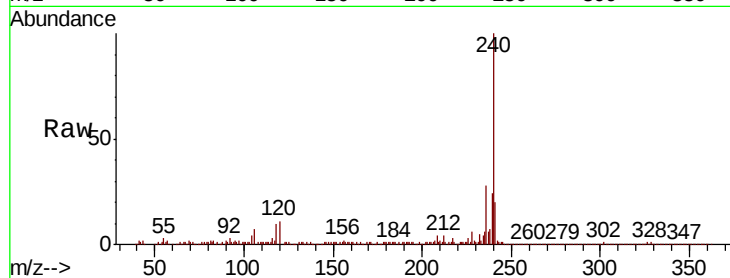




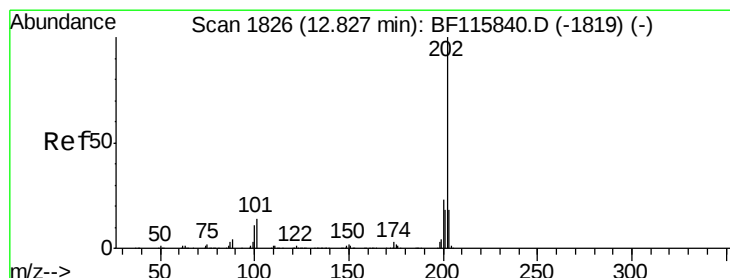
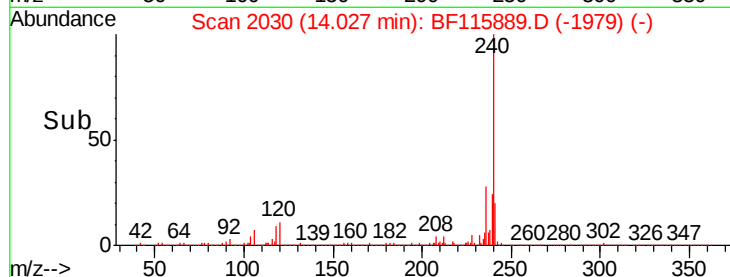
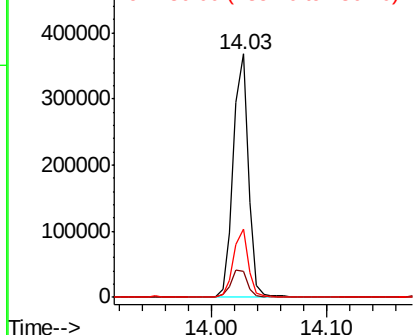
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

Instrument :
BNA_F
ClientSampleId :
OR-03-072919-A

Tgt Ion:240 Resp: 331448
Ion Ratio Lower Upper
240 100
120 10.8 8.5 12.7
236 27.9 22.2 33.2

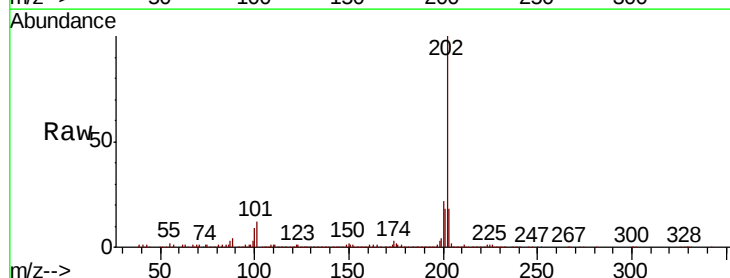


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

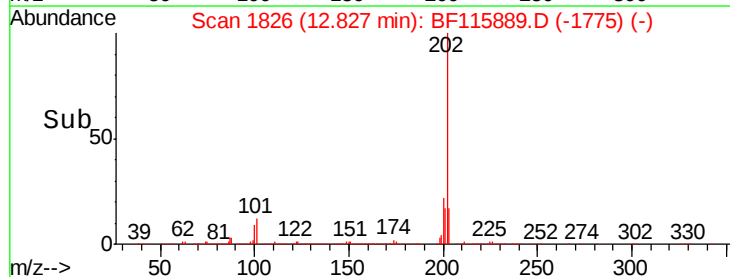
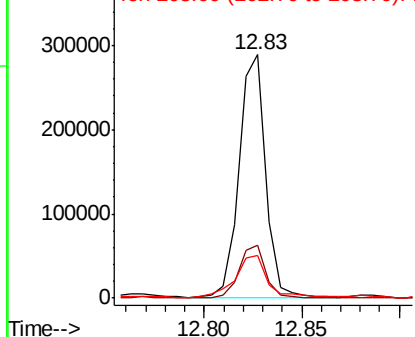


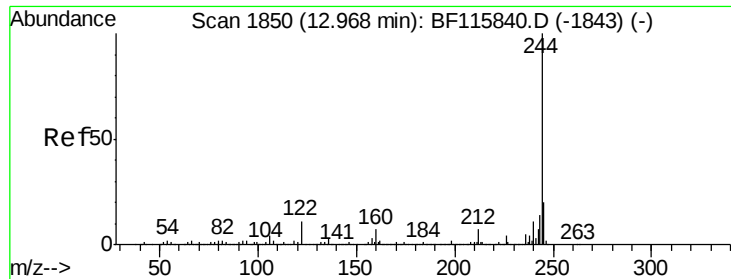
#78
Pyrene
Concen: 10.806 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

Tgt Ion:202 Resp: 269978
Ion Ratio Lower Upper
202 100
200 21.7 18.2 27.2
203 17.7 14.3 21.5



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: 32.767 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

Instrument :

BNA_F

ClientSampleId :

OR-03-072919-A

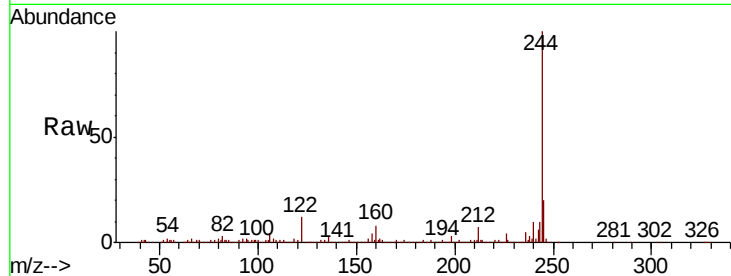
Tgt Ion:244 Resp: 515405

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

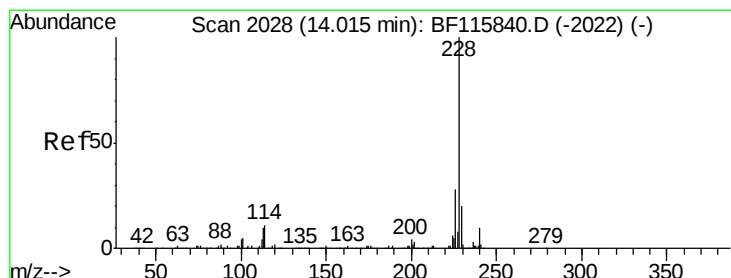
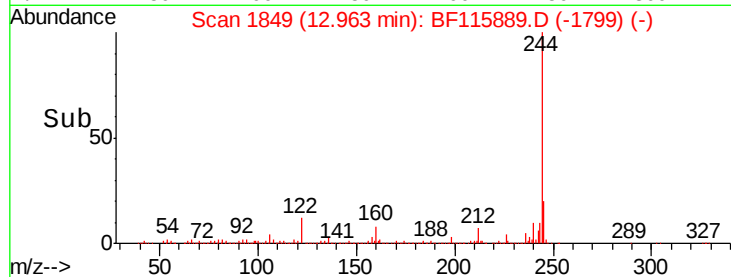
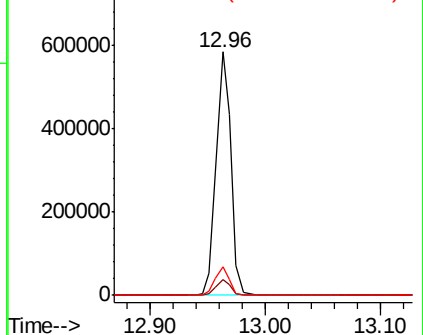
122 11.9 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.848 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

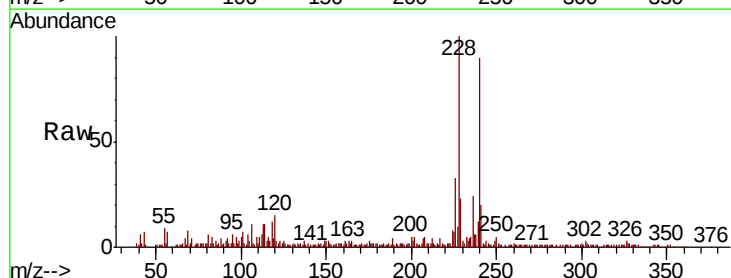
Tgt Ion:228 Resp: 102715

Ion Ratio Lower Upper

228 100

226 33.4 22.5 33.7

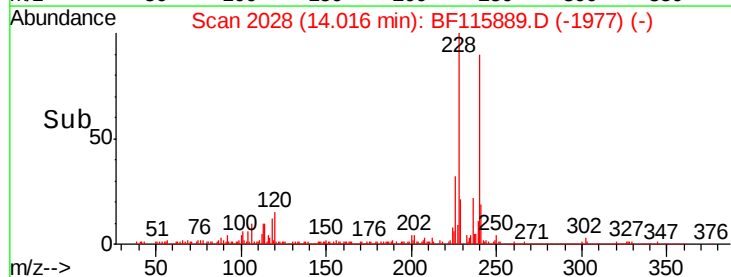
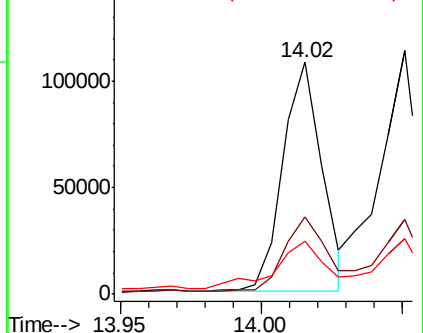
229 22.8 16.1 24.1

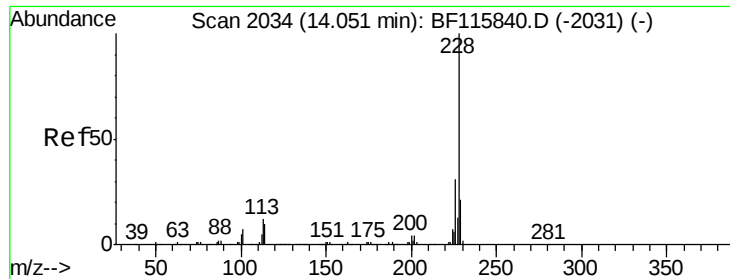


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.367 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

Instrument :

BNA_F

ClientSampleId :

OR-03-072919-A

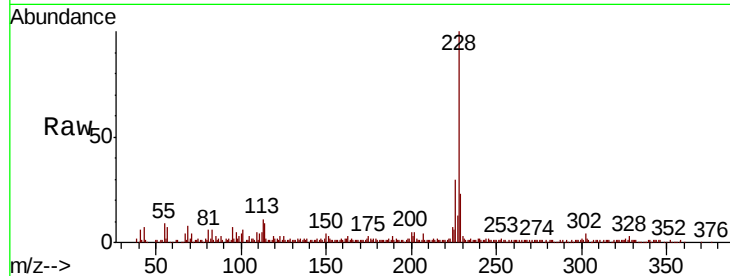
Tgt Ion:228 Resp: 110386

Ion Ratio Lower Upper

228 100

226 30.5 24.8 37.2

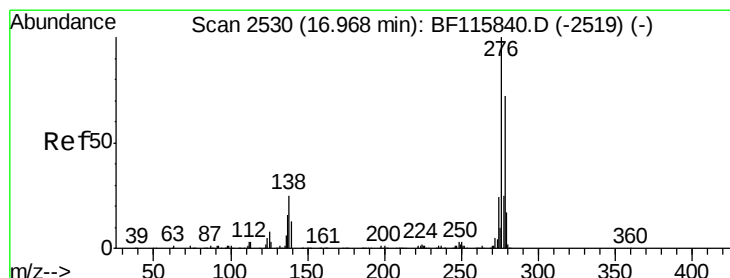
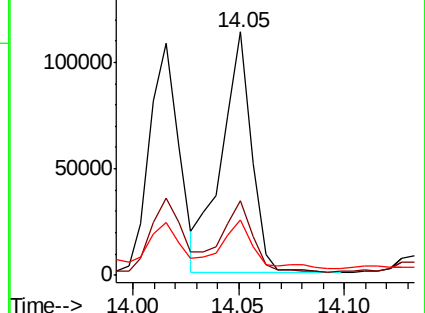
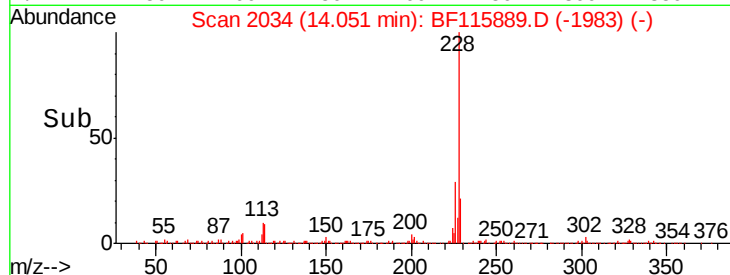
229 22.5 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.083 ng

RT: 16.97 min Scan# 2531

Delta R.T. 0.01 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

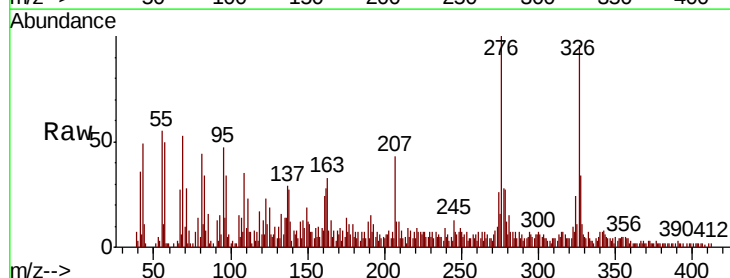
Tgt Ion:276 Resp: 35988

Ion Ratio Lower Upper

276 100

138 21.8 19.6 29.4

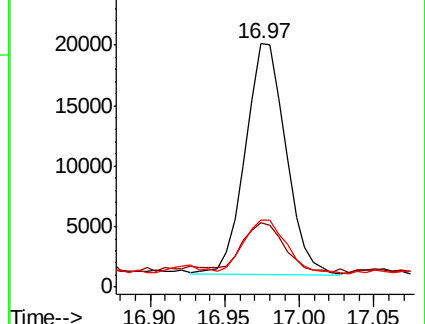
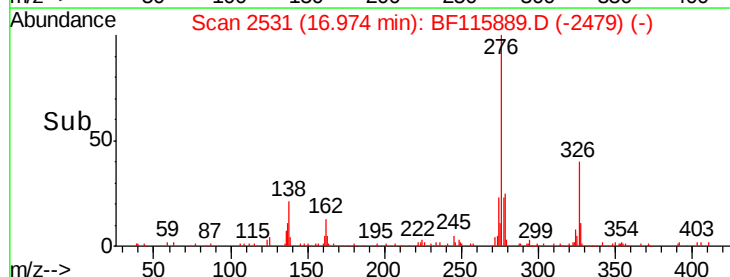
277 25.0 20.1 30.1

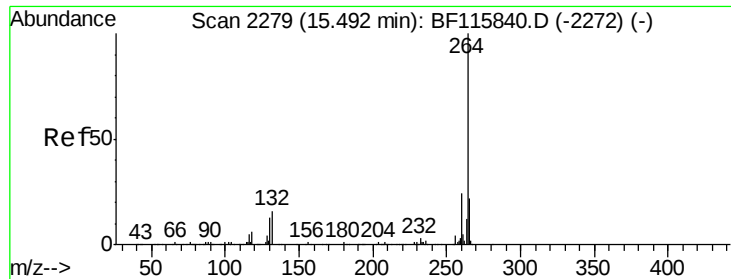


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



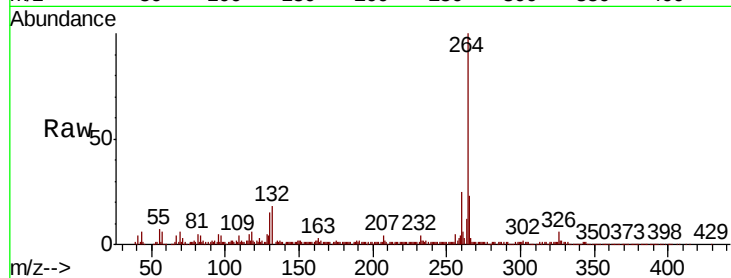


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

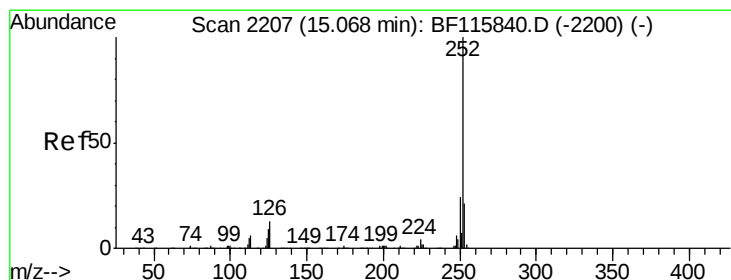
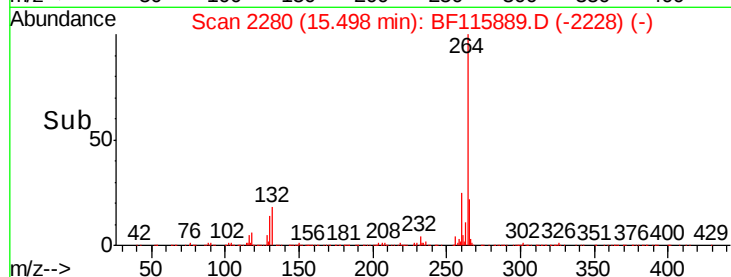
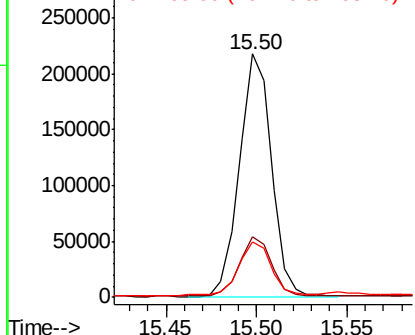
Instrument :
BNA_F
ClientSampleId :
OR-03-072919-A

Tgt Ion: 264 Resp: 266824

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.4	29.2
265	23.0	17.5	26.3



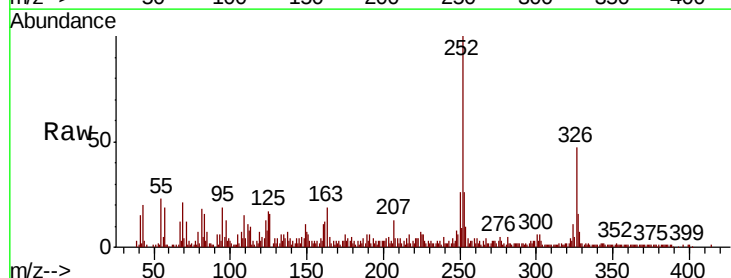
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



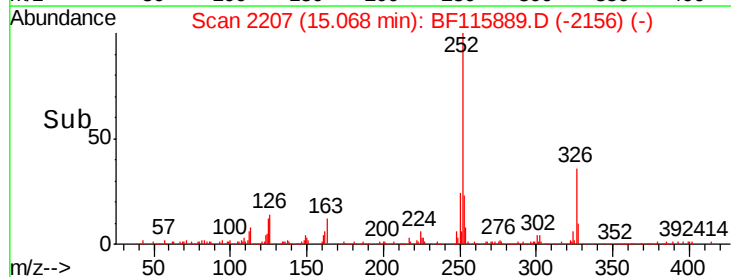
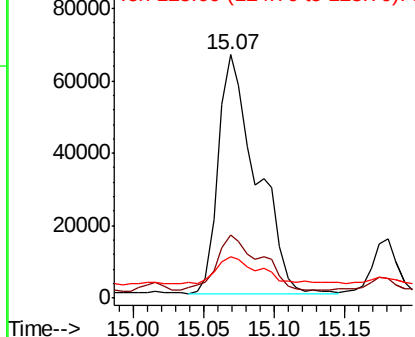
#88
Benzo(b)fluoranthene
Concen: 8.054 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

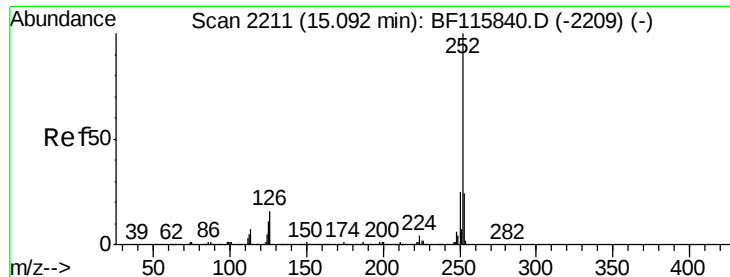
Tgt Ion: 252 Resp: 124255

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.2	25.8
125	17.0	7.4	11.0



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

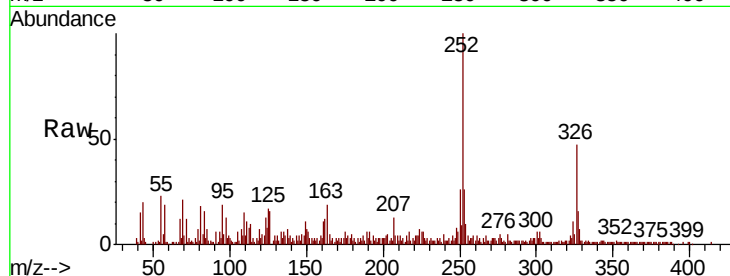




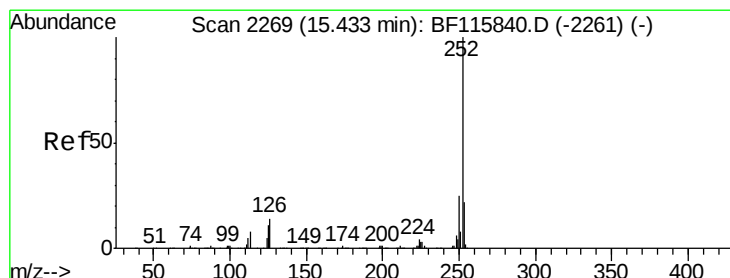
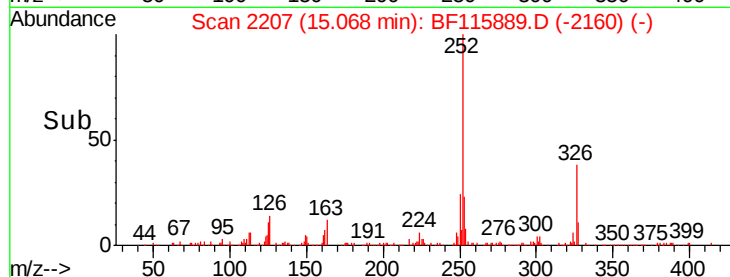
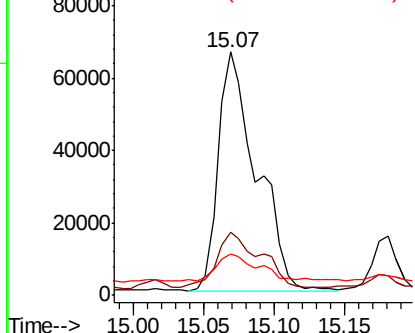
#89
Benzo(k)fluoranthene
Concen: 8.269 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

Instrument :
BNA_F
ClientSampleId :
OR-03-072919-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.2	27.4
125	17.0	8.9	13.3

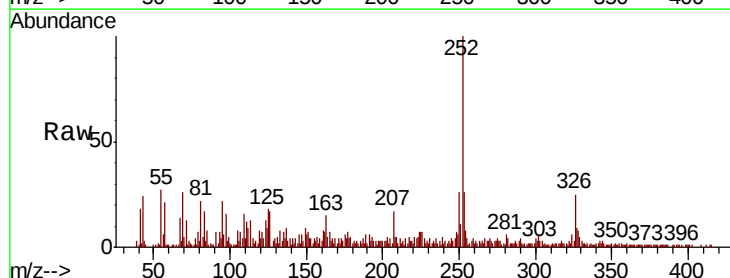


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

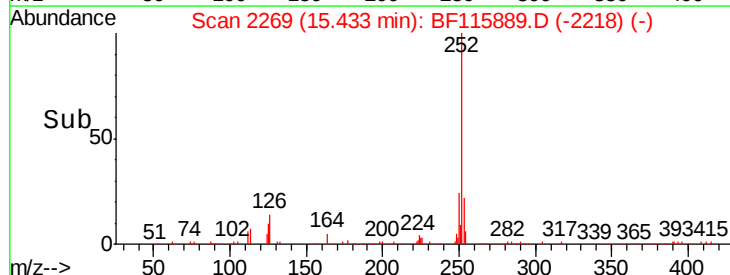
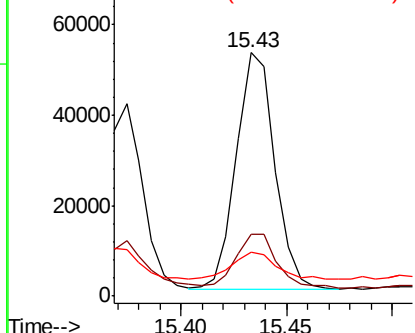


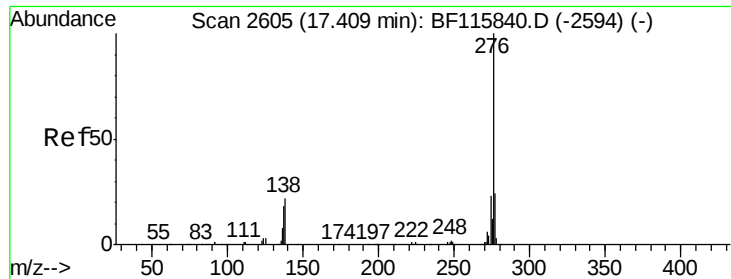
#90
Benzo(a)pyrene
Concen: 4.831 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.8	26.6
125	18.0	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: 3.236 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.02 min
 Lab File: BF115889.D
 Acq: 1 Aug 2019 1:38

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072919-A

Tgt Ion: 276 Resp: 37942
 Ion Ratio Lower Upper
 276 100
 277 25.7 19.5 29.3
 138 27.1 17.8 26.8#

