

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
 Data File : BF115888.D
 Acq On : 1 Aug 2019 1:12
 Operator : HP/JU
 Sample : K3622-15 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Aug 01 05:01:06 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	138663	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	517339	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	243024	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	381806	20.00	ng	0.00
76) Chrysene-d12	14.03	240	315433	20.00	ng	0.00
87) Perylene-d12	15.50	264	278728	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	372465	44.97	ng	0.00
7) Phenol-d6	6.48	99	490830	46.97	ng	0.00
23) Nitrobenzene-d5	7.41	82	278603	31.09	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	99345	42.16	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	535529	41.28	ng	0.00
79) Terphenyl-d14	12.96	244	507934	33.93	ng	0.00

Target Compounds

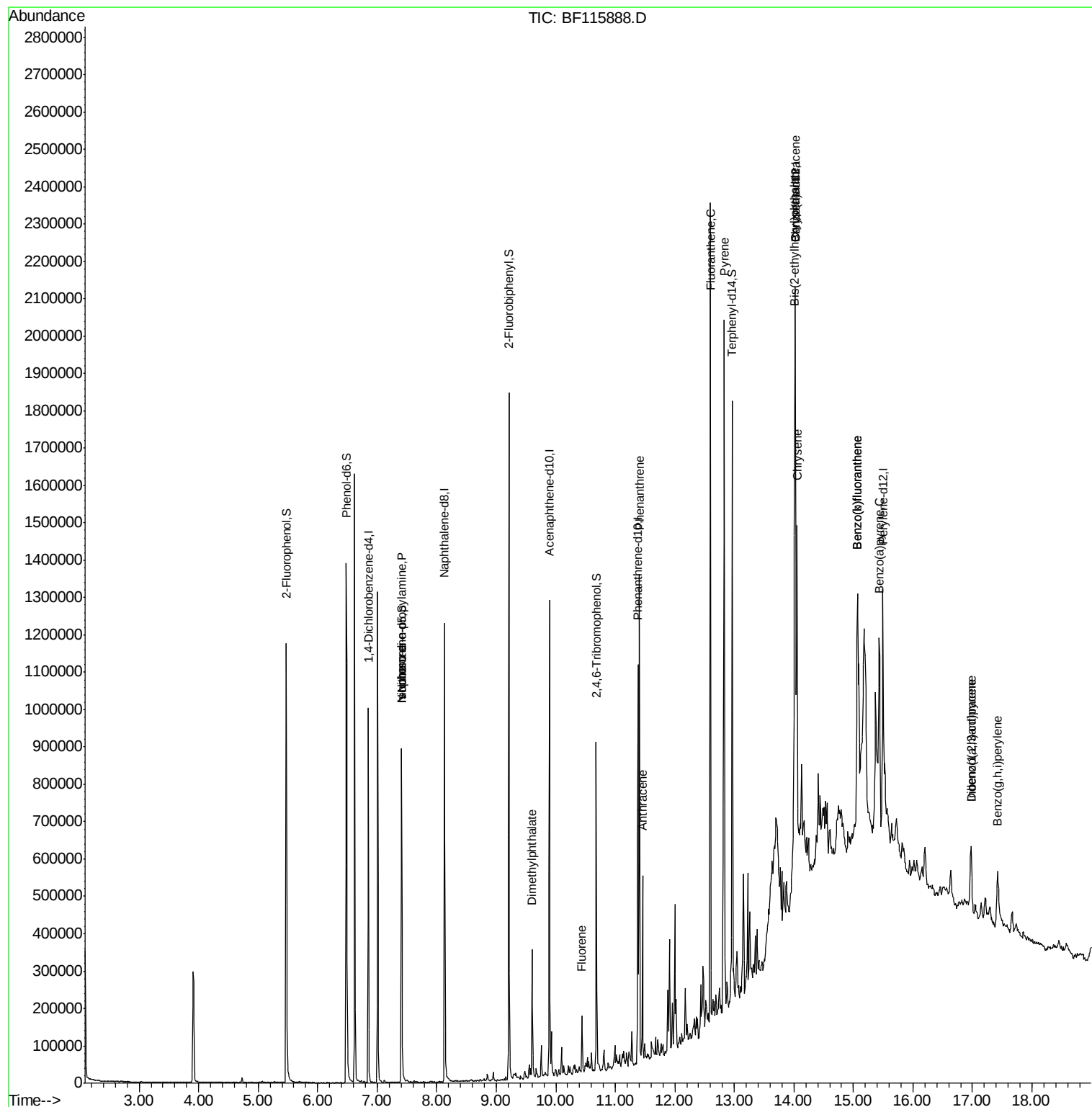
						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	36604	5.652	ng	# 80
25) Isophorone	7.41	82	278601	16.257	ng	# 66
50) Dimethylphthalate	9.60	163	118026	7.133	ng	100
58) Fluorene	10.44	166	42833	2.995	ng	98
71) Phenanthrene	11.40	178	456851	23.406	ng	99
72) Anthracene	11.46	178	170365	8.624	ng	98
75) Fluoranthene	12.60	202	800569	39.178	ng	99
78) Pyrene	12.83	202	747107	31.420	ng	99
81) Benzo(a)anthracene	14.02	228	376549	18.677	ng	98
83) Chrysene	14.05	228	296704	15.158	ng	98
84) Bis(2-ethylhexyl)phthalate	14.01	149	44406	3.397	ng	# 69
86) Indeno(1,2,3-cd)pyrene	16.97	276	119247	7.254	ng	97
88) Benzo(b)fluoranthene	15.07	252	432930	26.863	ng	# 95
89) Benzo(k)fluoranthene	15.07	252	432930	27.579	ng	98
90) Benzo(a)pyrene	15.43	252	240531	16.696	ng	# 96
91) Dibenzo(a,h)anthracene	16.98	278	29418	2.359	ng	# 74
92) Benzo(g,h,i)perylene	17.43	276	117686	9.609	ng	99

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

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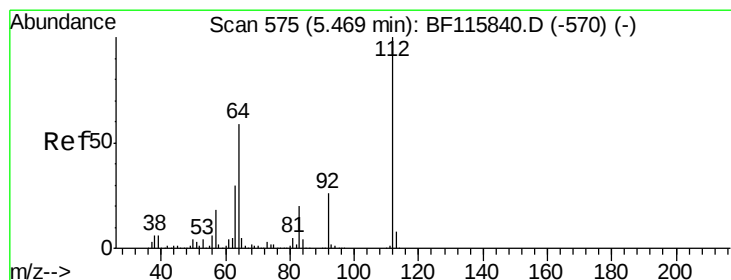
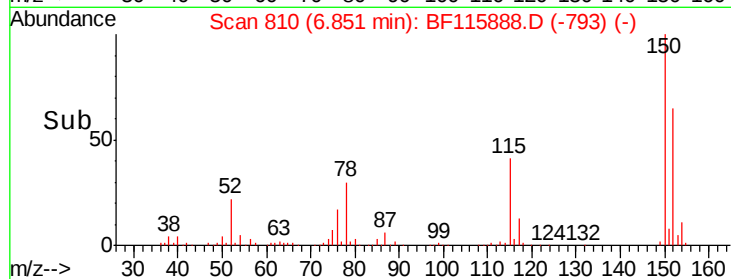
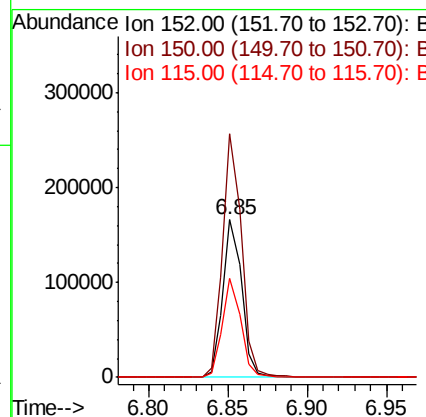
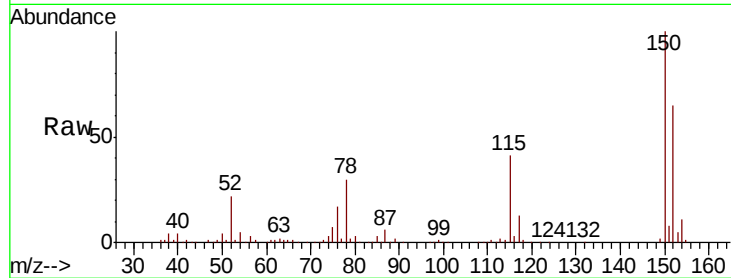




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF115888.D
 Acq: 1 Aug 2019 1:12

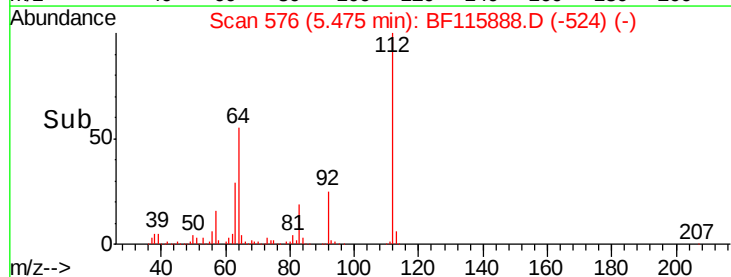
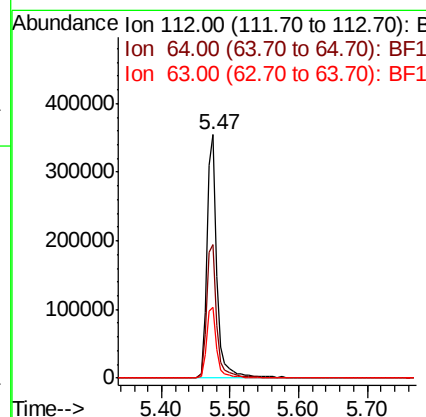
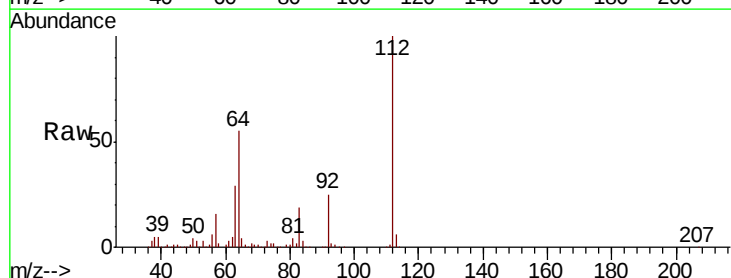
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072919-B

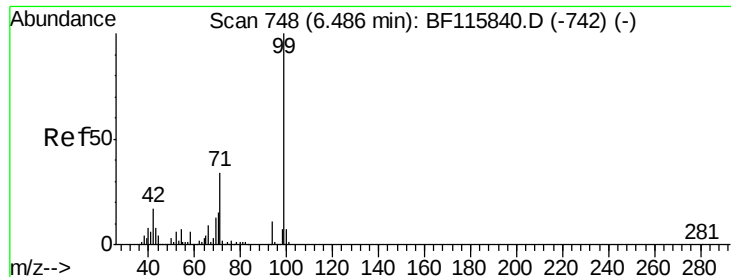
Tgt Ion:152 Resp: 138663
 Ion Ratio Lower Upper
 152 100
 150 154.3 127.4 191.0
 115 62.9 51.8 77.8



#5
 2-Fluorophenol
 Concen: 44.967 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.01 min
 Lab File: BF115888.D
 Acq: 1 Aug 2019 1:12

Tgt Ion:112 Resp: 372465
 Ion Ratio Lower Upper
 112 100
 64 54.7 46.8 70.2
 63 29.1 24.2 36.2





#7

Phenol-d6

Concen: 46.967 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

Instrument :

BNA_F

ClientSampleId :

OR-03-072919-B

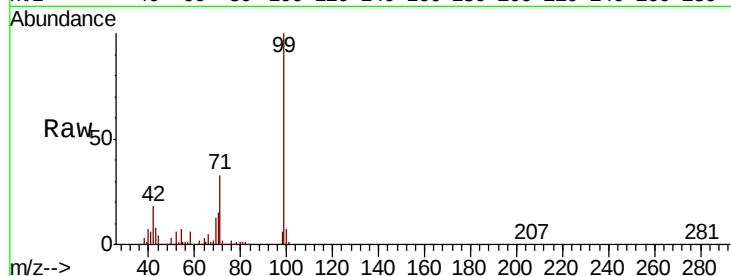
Tgt Ion: 99 Resp: 490830

Ion Ratio Lower Upper

99 100

42 17.6 13.8 20.6

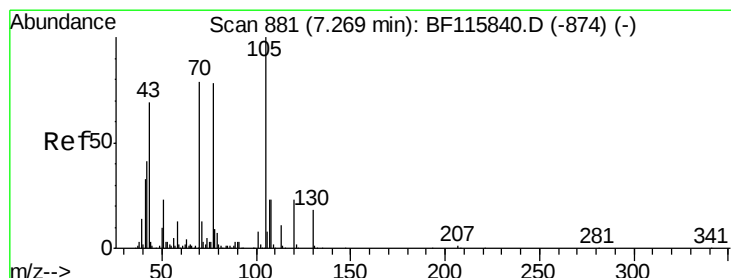
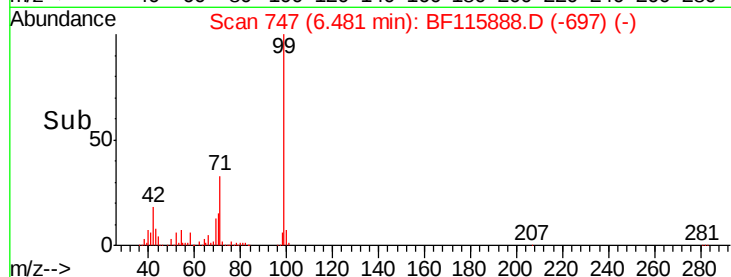
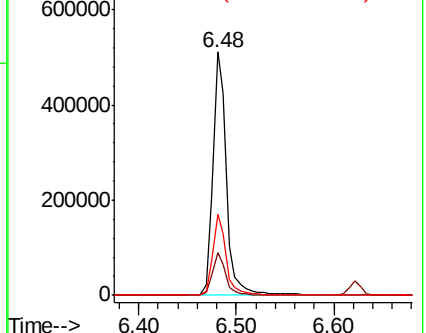
71 33.2 27.1 40.7



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: 5.652 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

Tgt Ion: 70 Resp: 36604

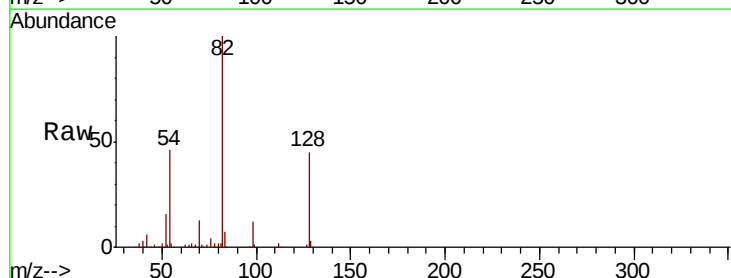
Ion Ratio Lower Upper

70 100

42 45.4 41.8 62.8

101 0.0 7.7 11.5#

130 2.0 17.8 26.6#

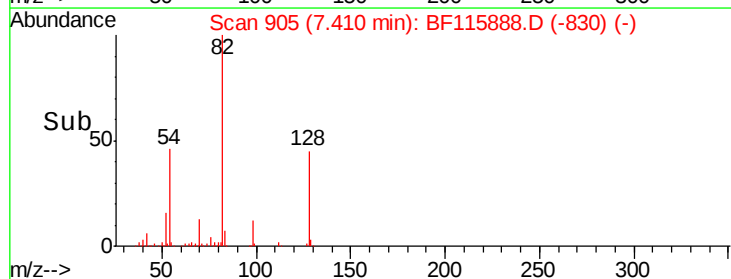
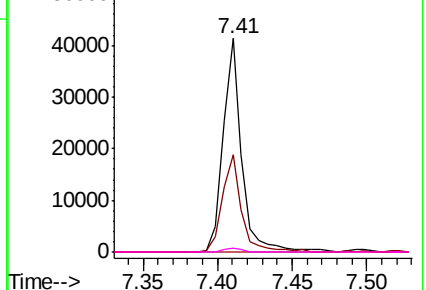


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF115888.D

Acq: 1 Aug 2019 1:12

Instrument :

BNA_F

ClientSampleId :

OR-03-072919-B

Tgt Ion:136 Resp: 517339

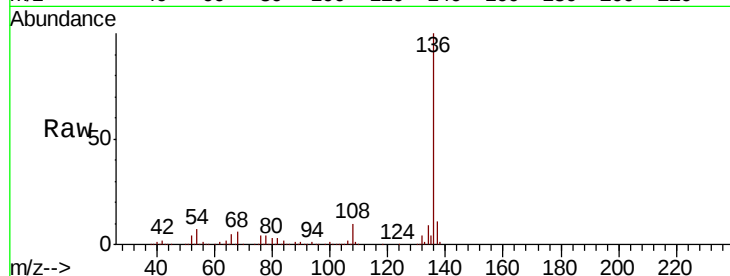
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.1 6.1 9.1

68 6.3 5.4 8.2

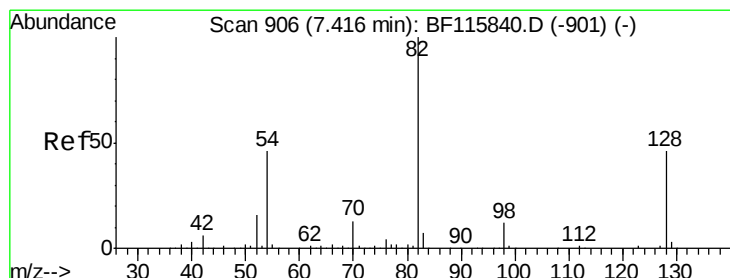
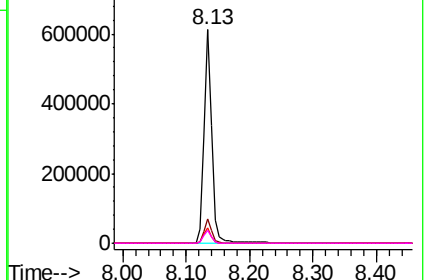
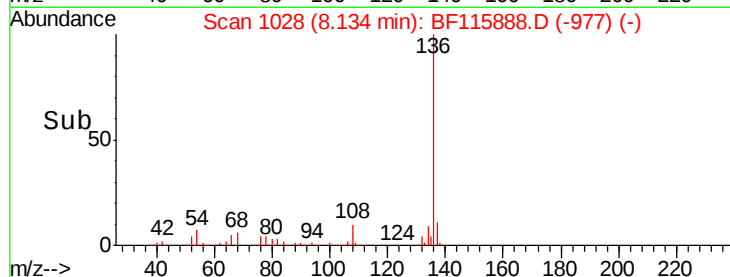


Abundance Ion 136.00 (135.70 to 136.70): E

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: 31.086 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

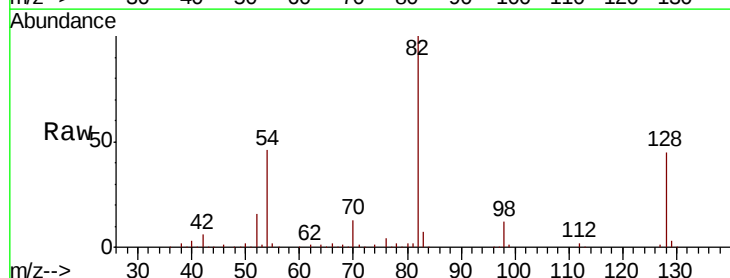
Tgt Ion: 82 Resp: 278603

Ion Ratio Lower Upper

82 100

128 44.6 36.6 55.0

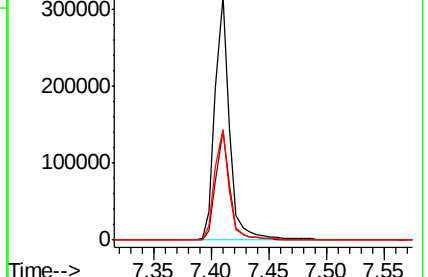
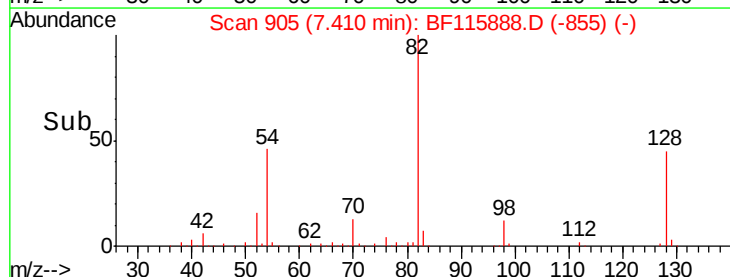
54 45.5 36.6 55.0



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: 16.257 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

Instrument :

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ClientSampleId :

OR-03-072919-B

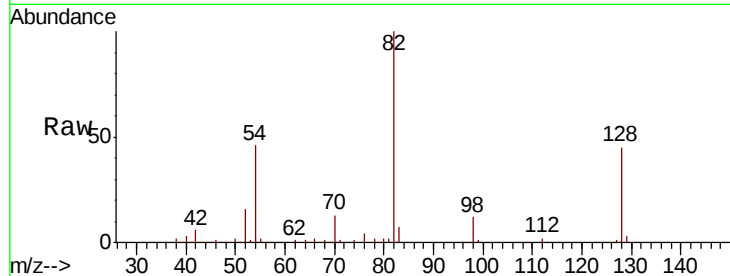
Tgt Ion: 82 Resp: 278601

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

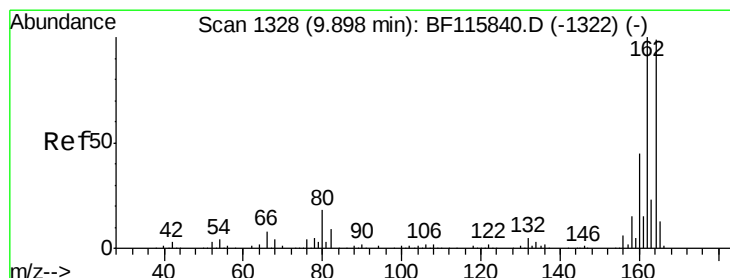
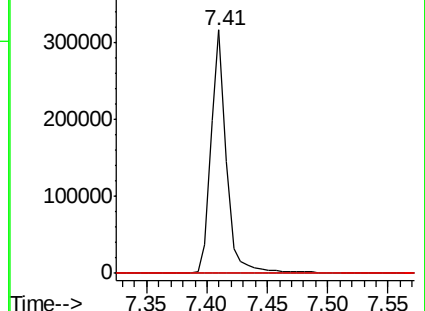
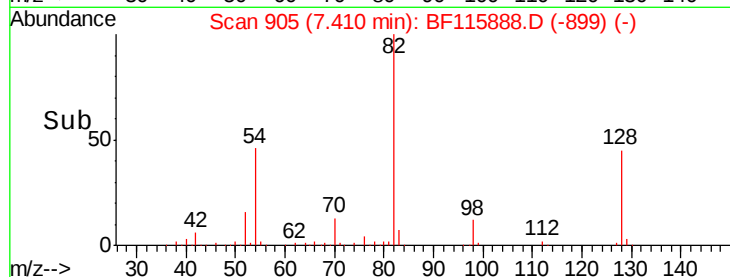
138 0.0 13.9 20.9#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

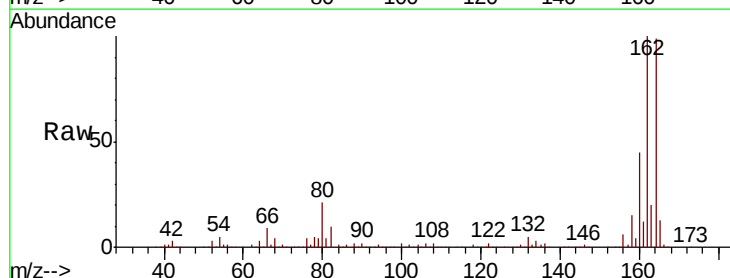
Tgt Ion: 164 Resp: 243024

Ion Ratio Lower Upper

164 100

162 101.3 80.8 121.2

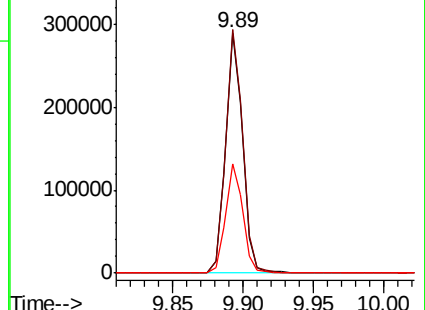
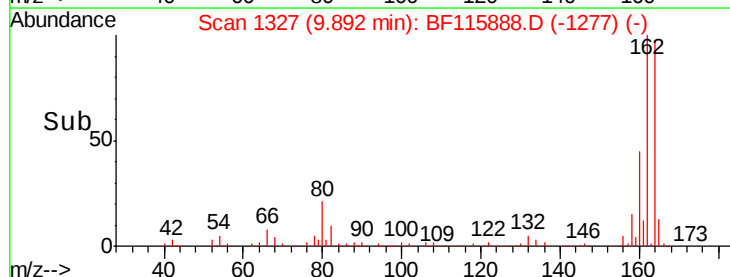
160 45.7 36.2 54.4



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

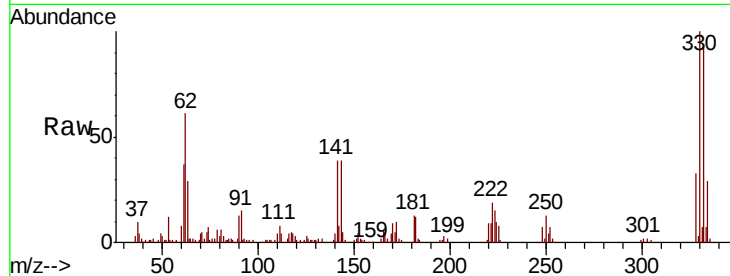




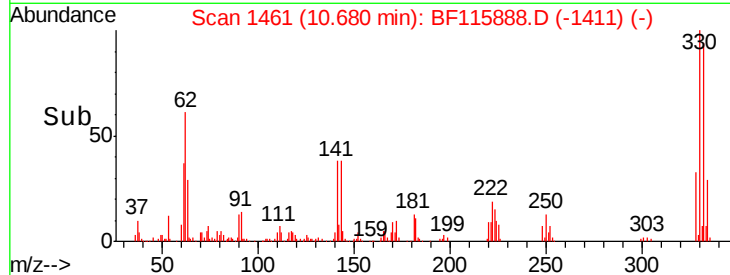
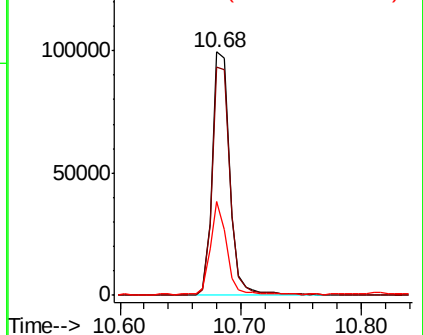
#42
 2,4,6-Tribromophenol
 Concen: 42.163 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF115888.D
 Acq: 1 Aug 2019 1:12

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

Tgt Ion:330 Resp: 99345
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.7 116.5
 141 38.1 28.1 42.1

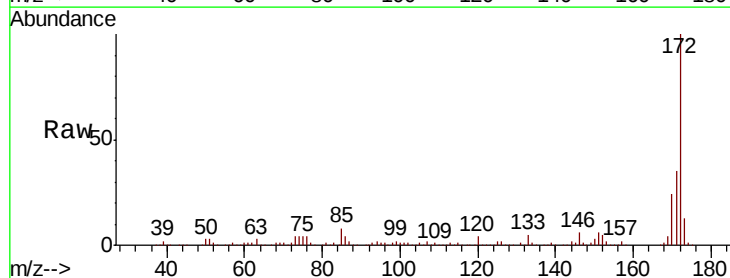


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

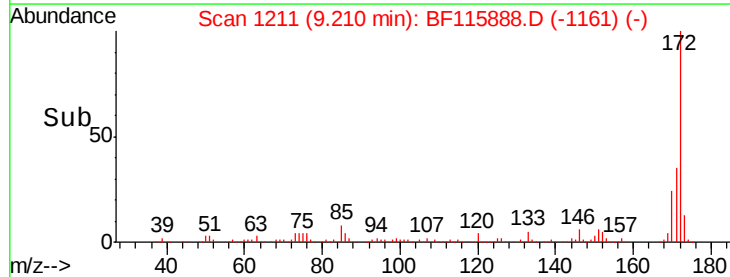
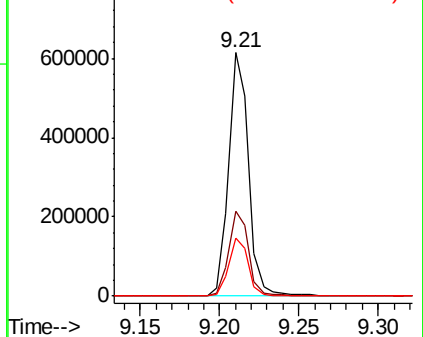


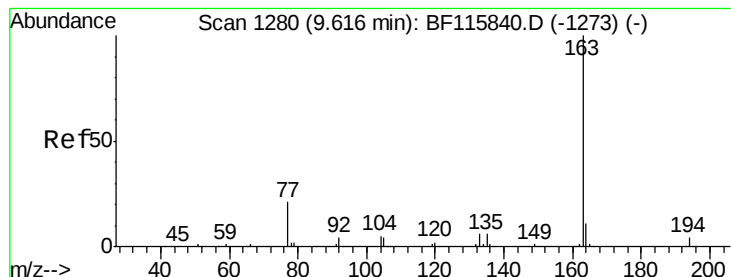
#45
 2-Fluorobiphenyl
 Concen: 41.275 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF115888.D
 Acq: 1 Aug 2019 1:12

Tgt Ion:172 Resp: 535529
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.1 43.7
 170 24.1 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: 7.133 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

Instrument :

BNA_F

ClientSampleId :

OR-03-072919-B

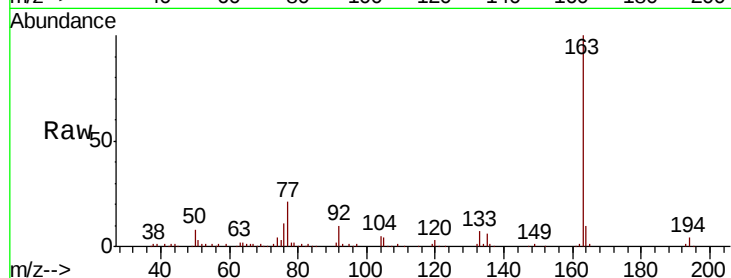
Tgt Ion:163 Resp: 118026

Ion Ratio Lower Upper

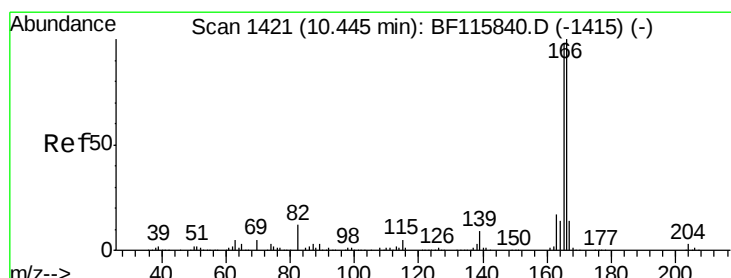
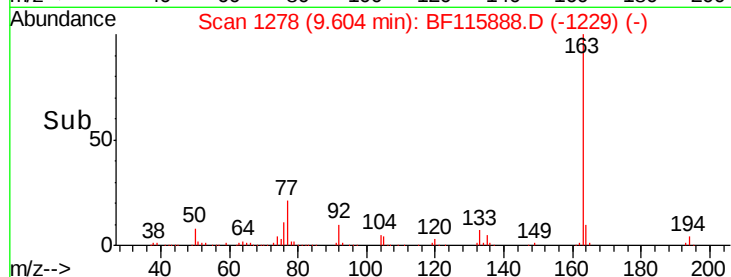
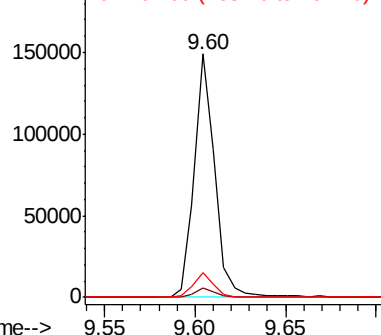
163 100

194 3.9 3.0 4.6

164 10.3 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



#58

Fluorene

Concen: 2.995 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

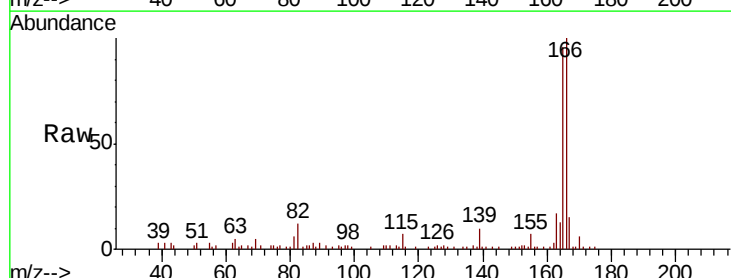
Tgt Ion:166 Resp: 42833

Ion Ratio Lower Upper

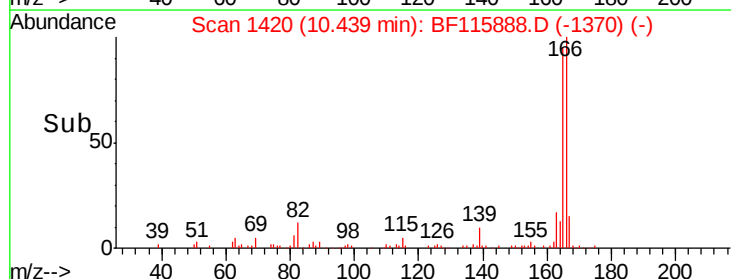
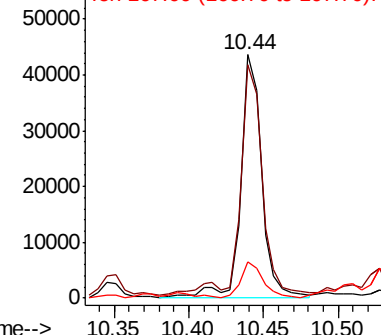
166 100

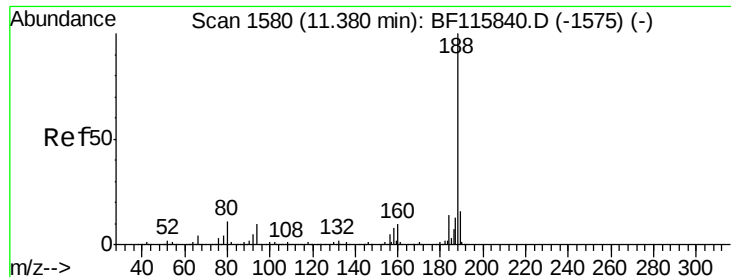
165 96.1 78.6 118.0

167 14.7 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

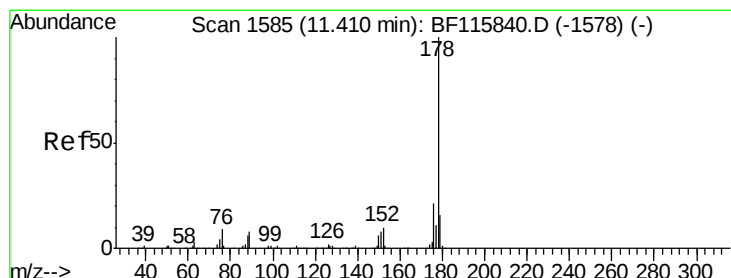
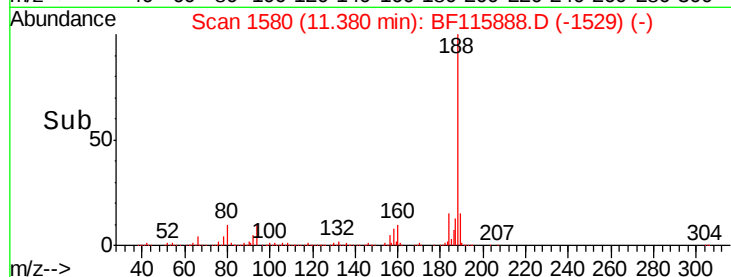
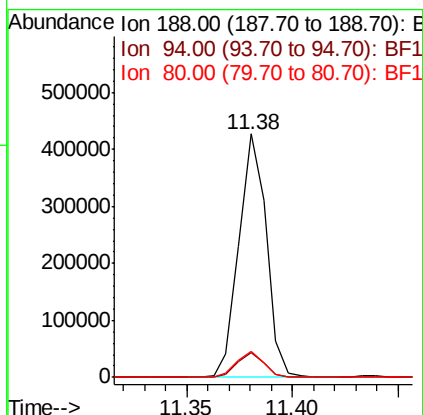
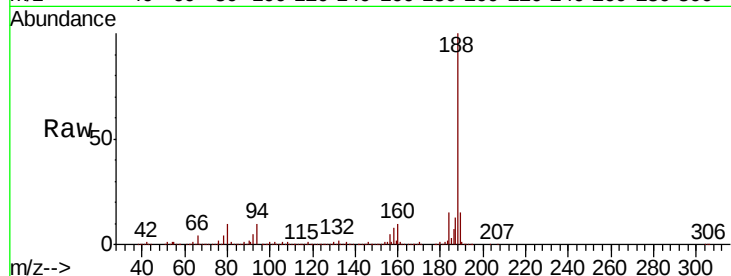




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115888.D
Acq: 1 Aug 2019 1:12

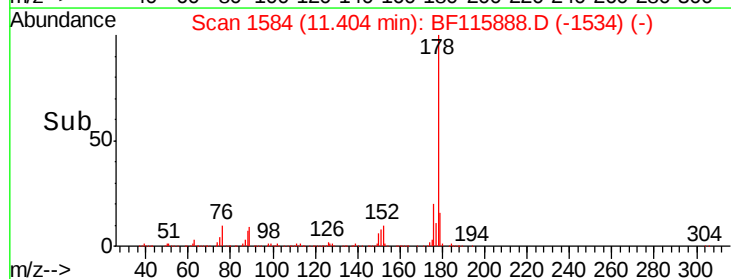
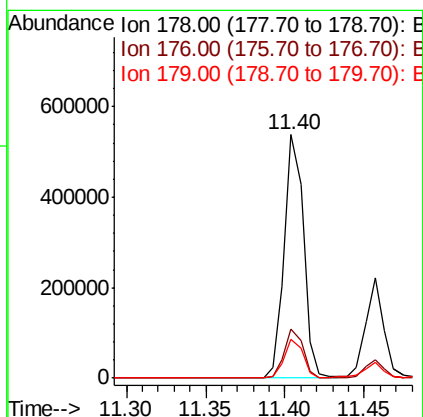
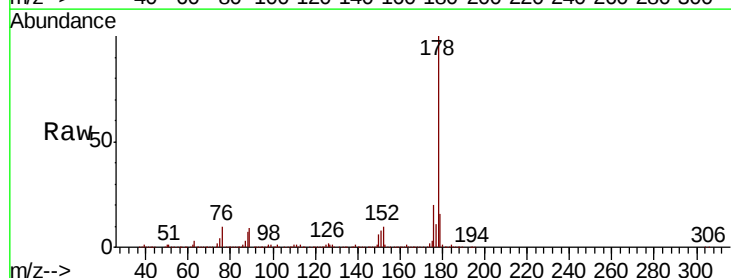
Instrument :
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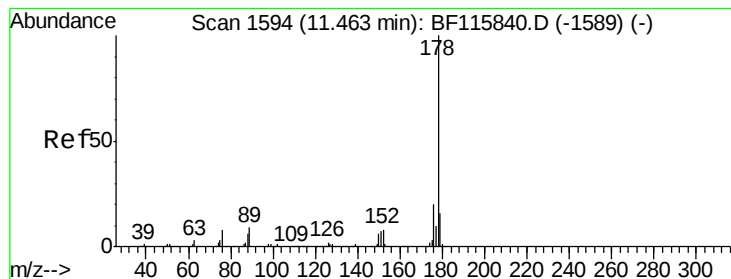
Tgt Ion:188 Resp: 381806
Ion Ratio Lower Upper
188 100
94 10.1 8.0 12.0
80 10.5 8.6 12.8



#71
Phenanthrene
Concen: 23.406 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115888.D
Acq: 1 Aug 2019 1:12

Tgt Ion:178 Resp: 456851
Ion Ratio Lower Upper
178 100
176 20.1 16.5 24.7
179 16.0 12.6 18.8





#72

Anthracene

Concen: 8.624 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

Instrument :

BNA_F

ClientSampleId :

OR-03-072919-B

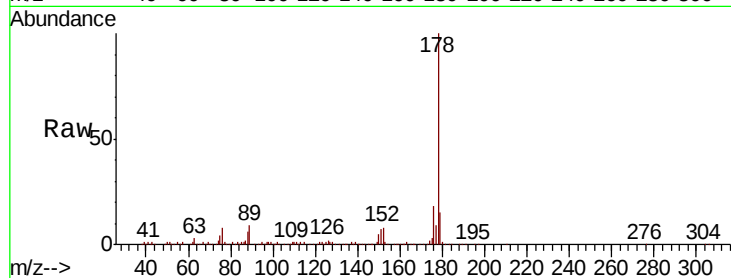
Tgt Ion:178 Resp: 170365

Ion Ratio Lower Upper

178 100

176 18.4 15.7 23.5

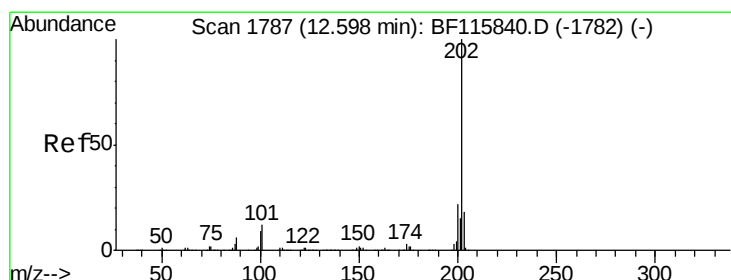
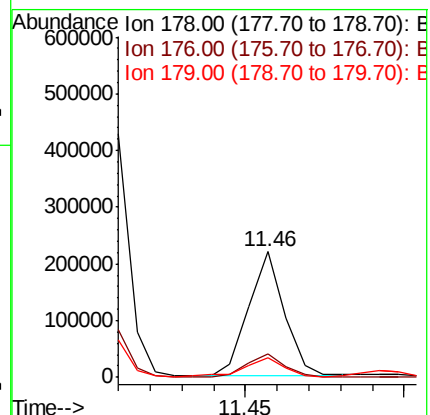
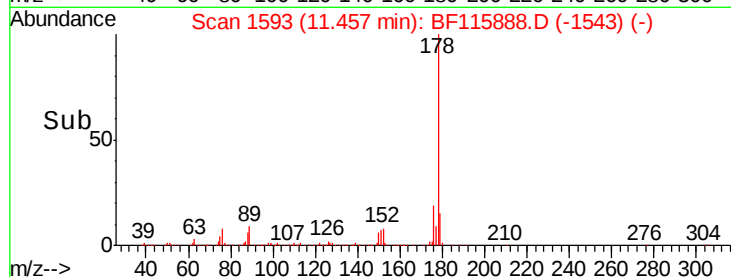
179 15.2 12.4 18.6



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: 39.178 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

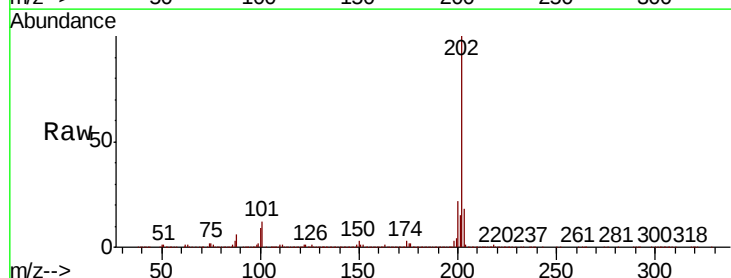
Tgt Ion:202 Resp: 800569

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.5

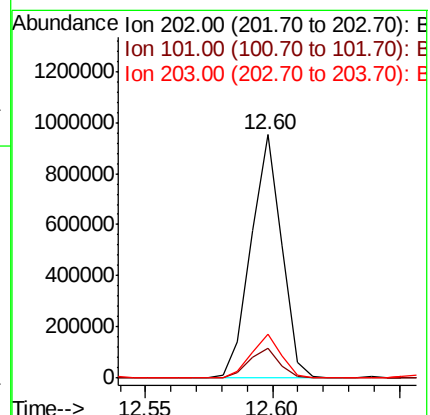
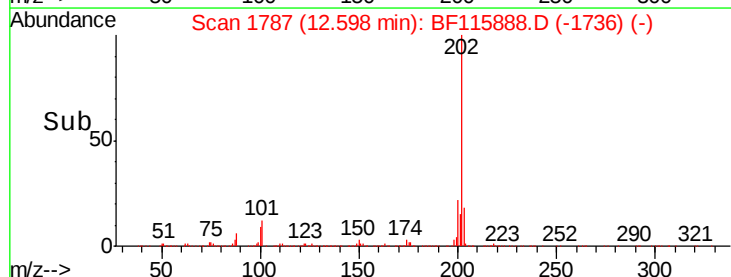
203 18.1 0.0 37.9

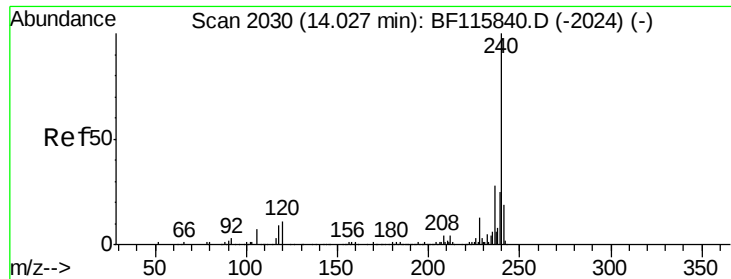


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

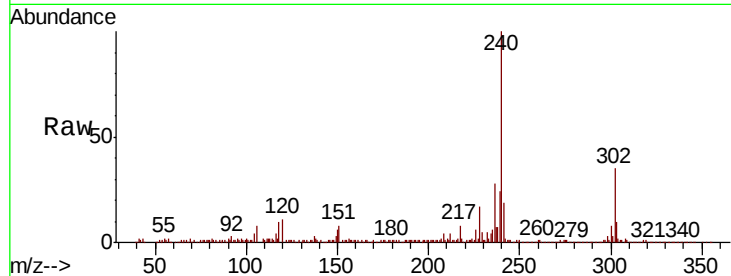




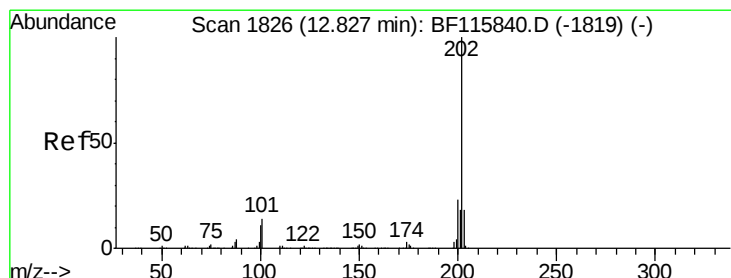
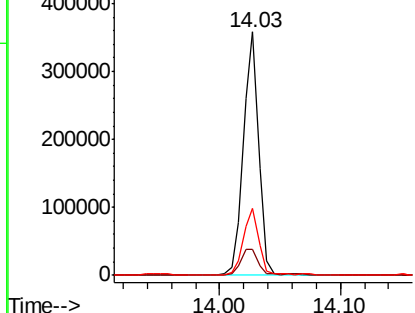
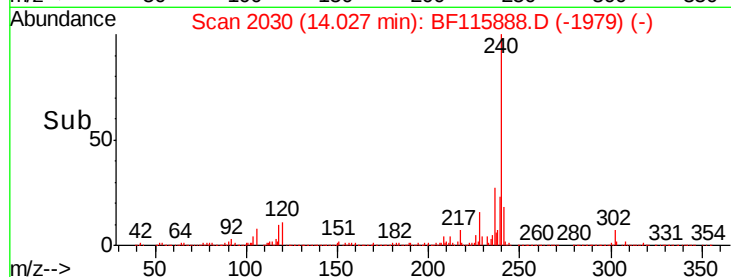
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF115888.D
Acq: 1 Aug 2019 1:12

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

Tgt Ion:240 Resp: 315433
Ion Ratio Lower Upper
240 100
120 10.8 8.5 12.7
236 27.6 22.2 33.2

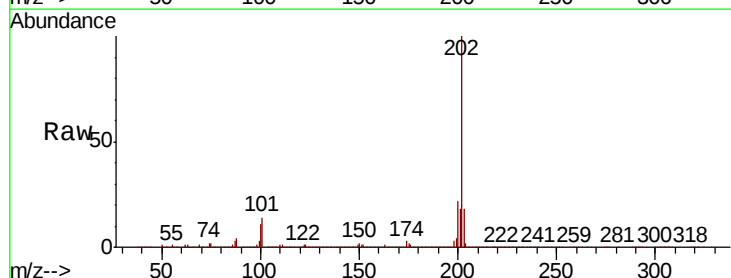


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

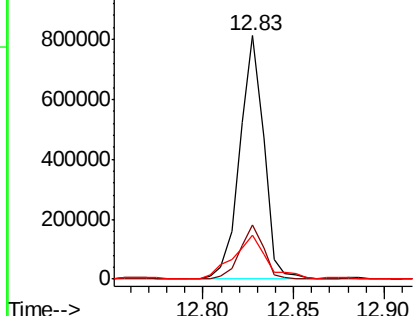
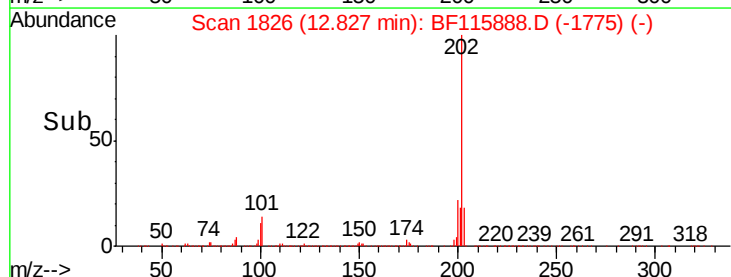


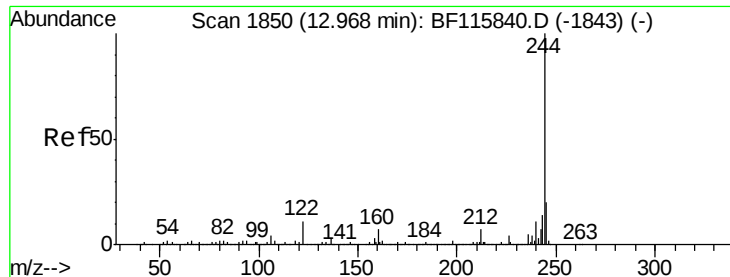
#78
Pyrene
Concen: 31.420 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF115888.D
Acq: 1 Aug 2019 1:12

Tgt Ion:202 Resp: 747107
Ion Ratio Lower Upper
202 100
200 22.3 18.2 27.2
203 18.0 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: 33.931 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

Instrument :

BNA_F

ClientSampleId :

OR-03-072919-B

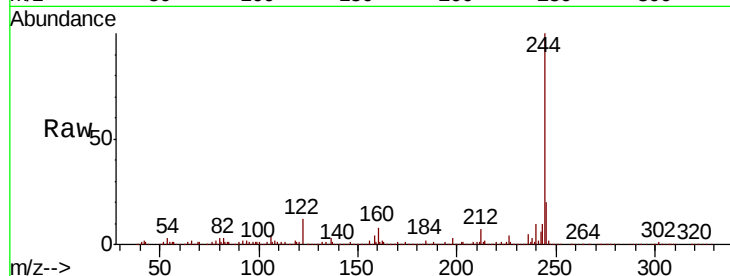
Tgt Ion:244 Resp: 507934

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 12.3 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

800000

600000

400000

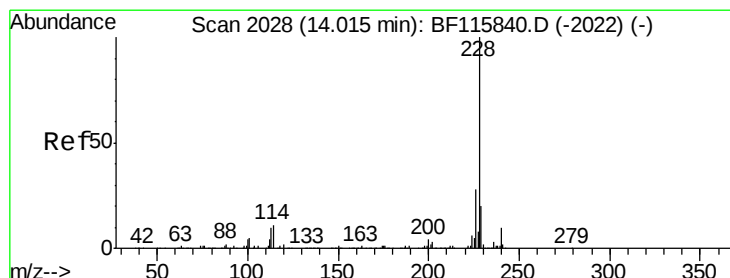
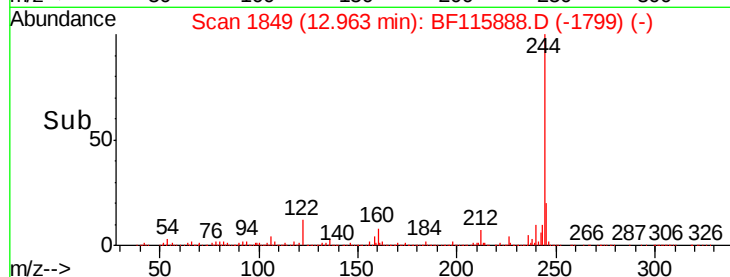
200000

0

12.96

12.90 13.00 13.10

Time-->



#81

Benzo(a)anthracene

Concen: 18.677 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

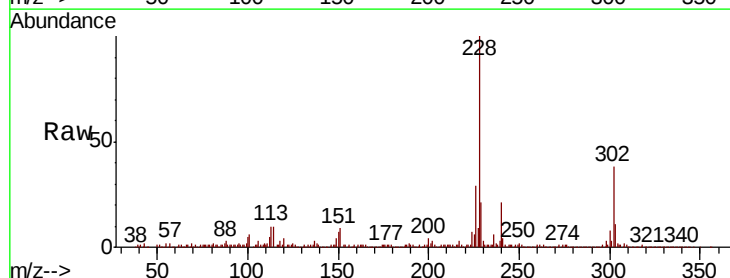
Tgt Ion:228 Resp: 376549

Ion Ratio Lower Upper

228 100

226 29.0 22.5 33.7

229 20.9 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

500000

400000

300000

200000

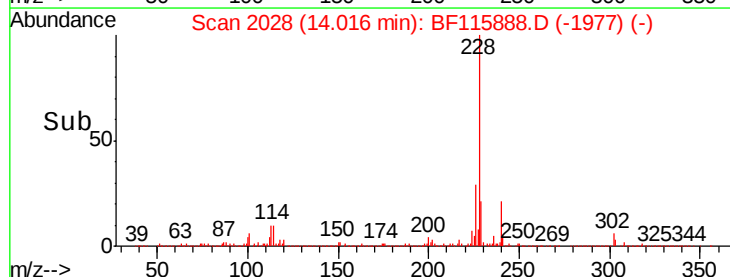
100000

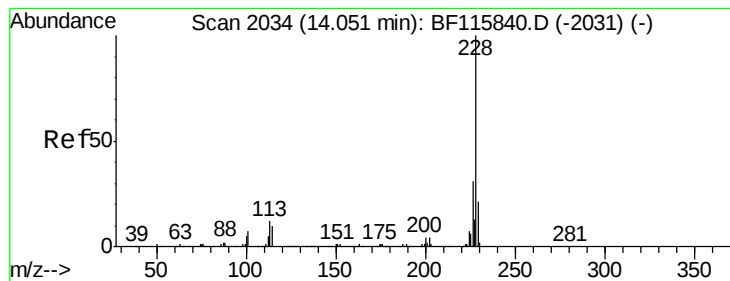
0

14.02

13.90 14.00

Time-->





#83

Chrysene

Concen: 15.158 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

Instrument :

BNA_F

ClientSampleId :

OR-03-072919-B

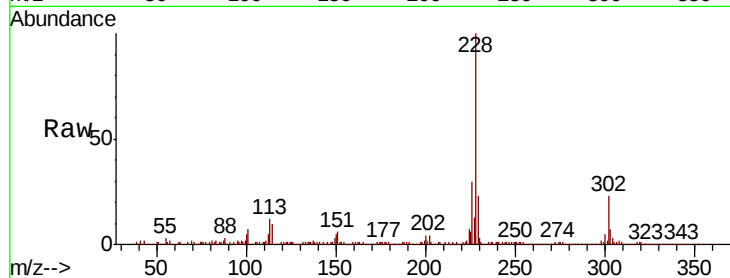
Tgt Ion:228 Resp: 296704

Ion Ratio Lower Upper

228 100

226 30.4 24.8 37.2

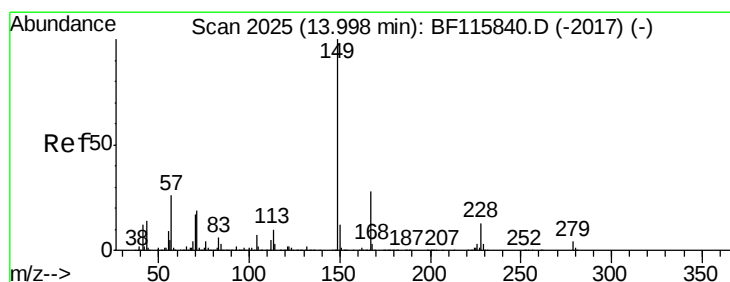
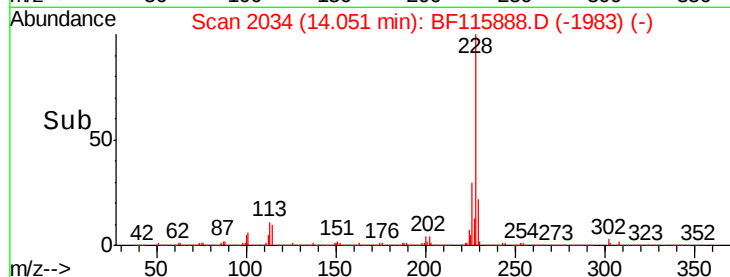
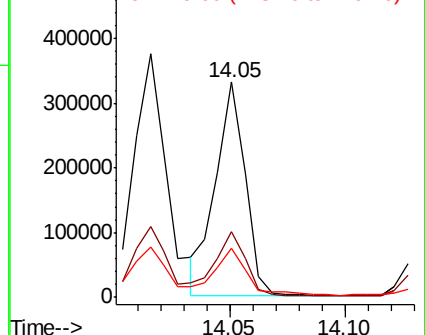
229 22.6 16.4 24.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.397 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

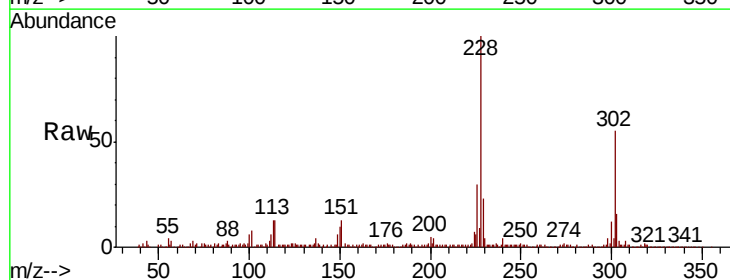
Tgt Ion:149 Resp: 44406

Ion Ratio Lower Upper

149 100

167 9.5 22.4 33.6#

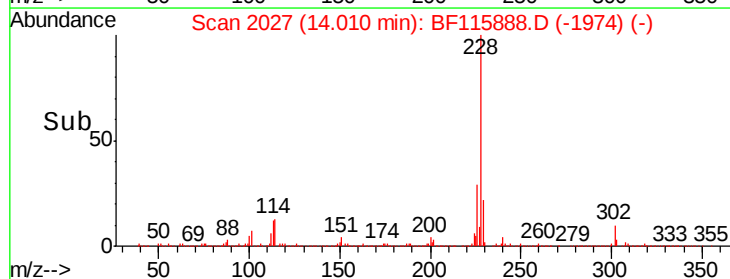
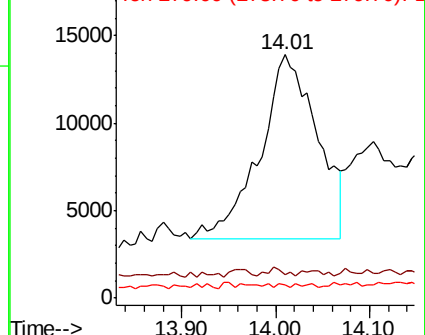
279 5.4 3.3 4.9#

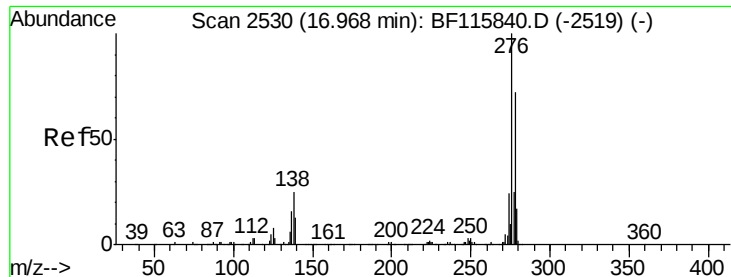


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

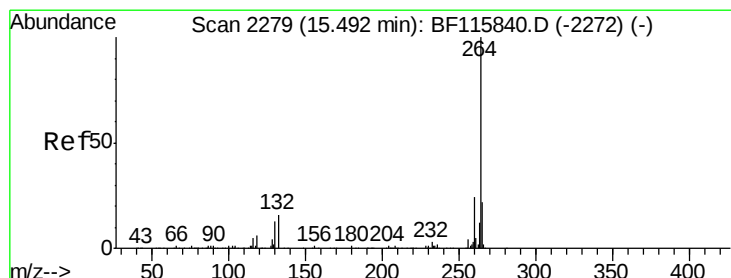
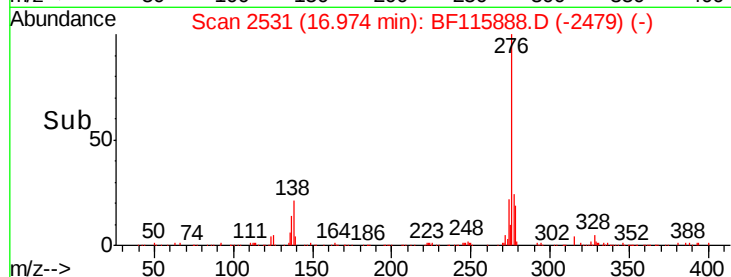
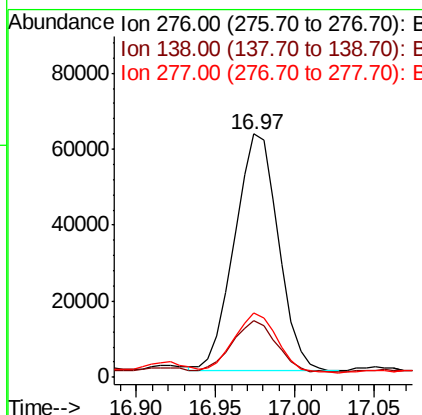
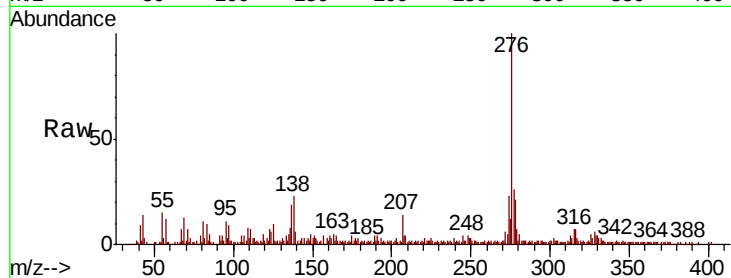




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.254 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. 0.01 min
 Lab File: BF115888.D
 Acq: 1 Aug 2019 1:12

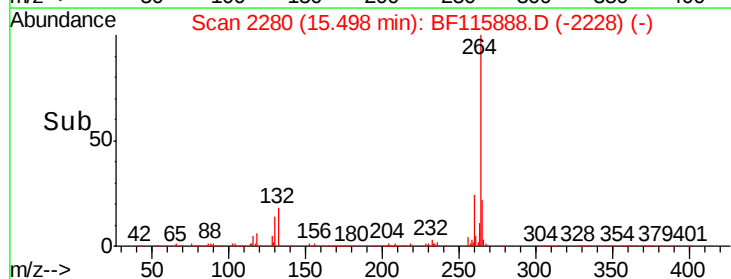
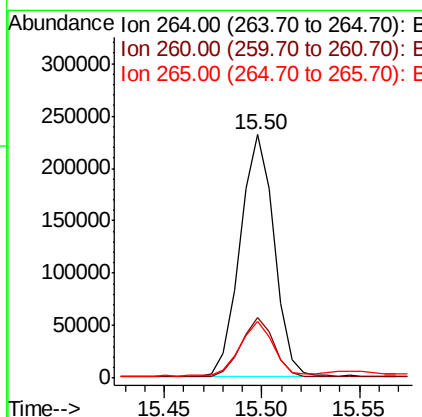
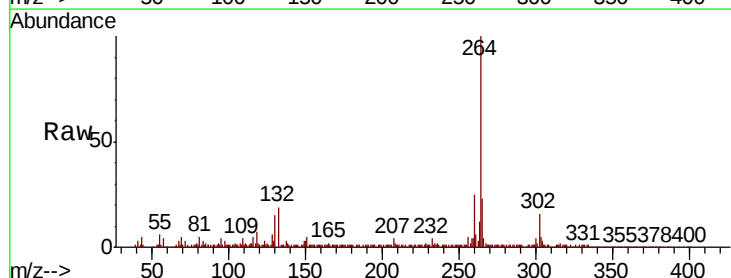
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072919-B

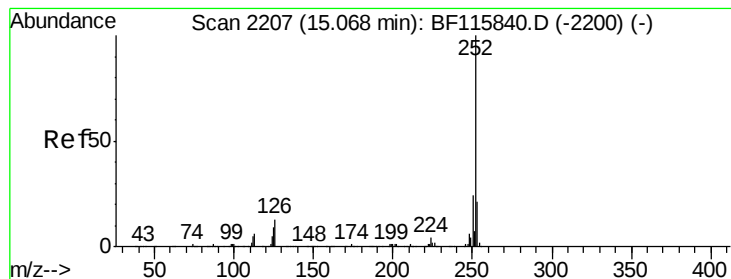
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.6	29.4
277	25.4	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: BF115888.D
 Acq: 1 Aug 2019 1:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	23.1	17.5	26.3





#88

Benzo(b)fluoranthene

Concen: 26.863 ng

RT: 15.07 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

Instrument :

BNA_F

ClientSampleId :

OR-03-072919-B

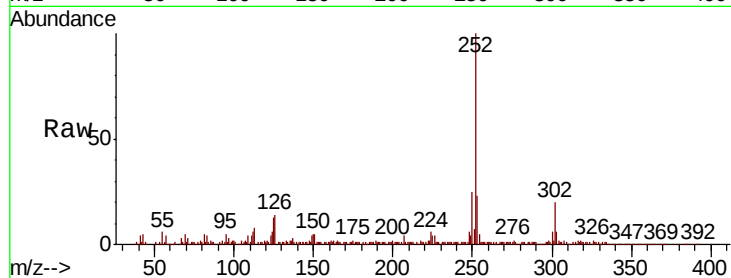
Tgt Ion:252 Resp: 432930

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

125 12.6 7.4 11.0#

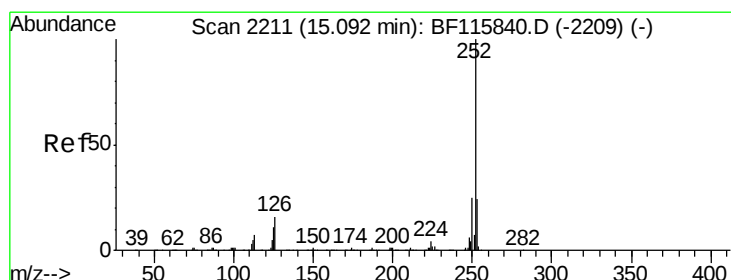
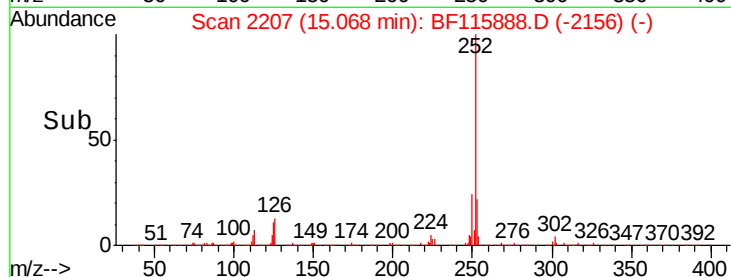
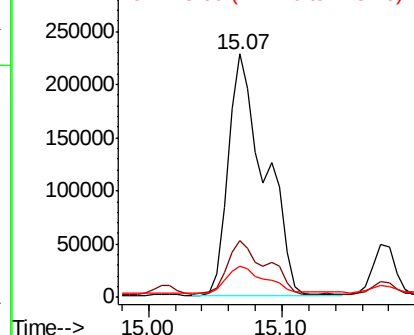


Abundance

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: 27.579 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.02 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

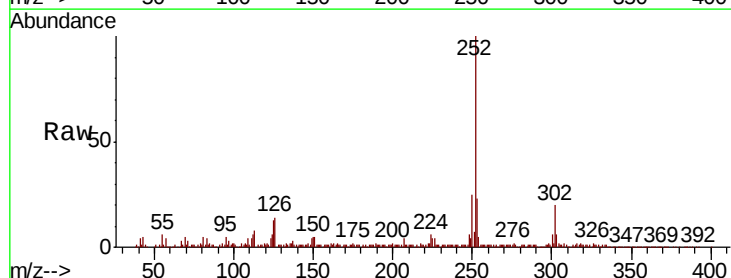
Tgt Ion:252 Resp: 432930

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.4

125 12.6 8.9 13.3

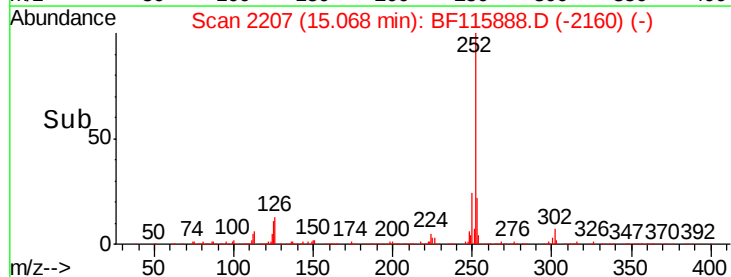
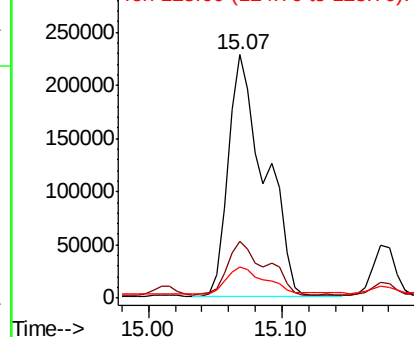


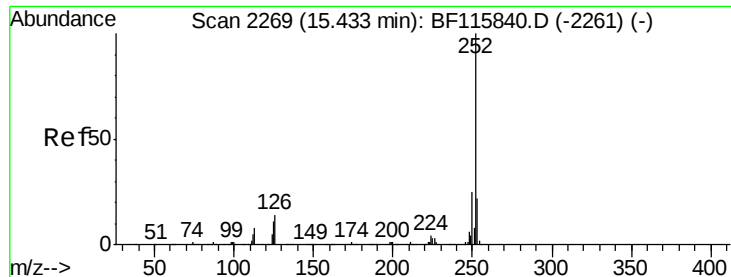
Abundance

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: 16.696 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.00 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

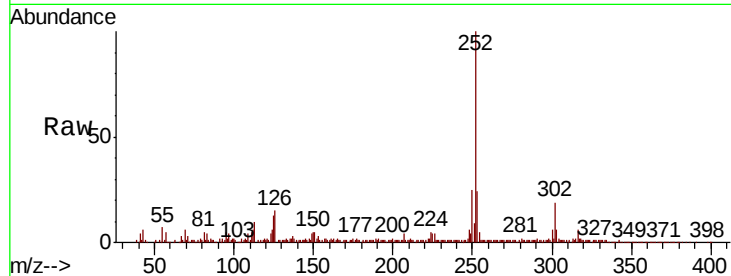
Instrument :

BNA_F

ClientSampleId :

OR-03-072919-B

Tgt Ion:	252	Resp:	240531
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.6
125	13.3	8.8	13.2#

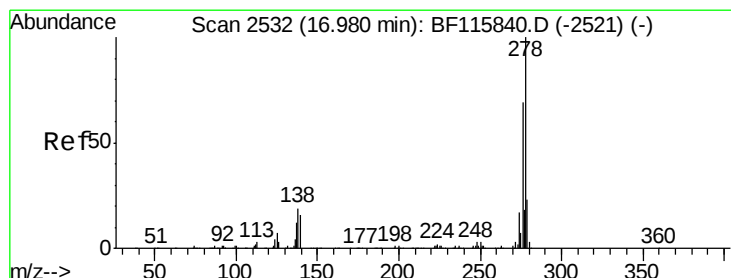
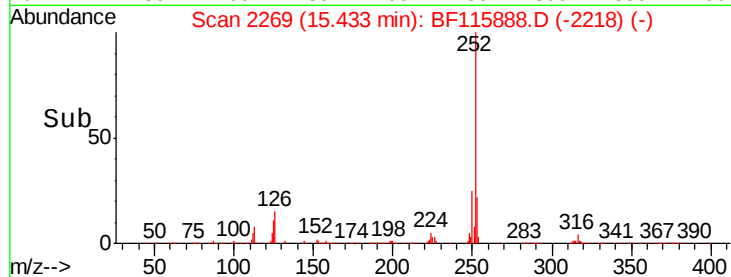
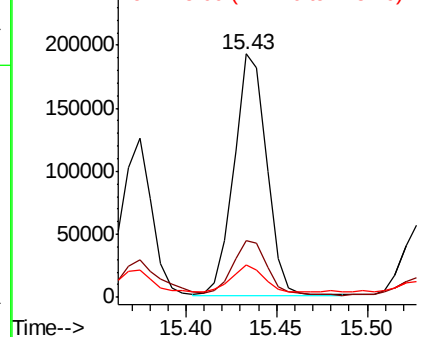


Abundance

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



#91

Dibenzo(a,h)anthracene

Concen: 2.359 ng

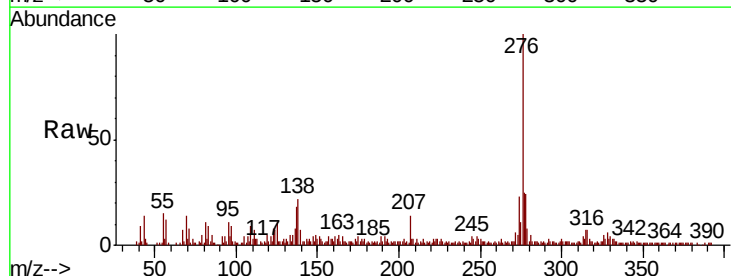
RT: 16.98 min Scan# 2532

Delta R.T. 0.00 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

Tgt Ion:	278	Resp:	29418
Ion Ratio	Lower	Upper	
278	100		
139	29.3	12.6	19.0#
279	34.5	18.8	28.2#

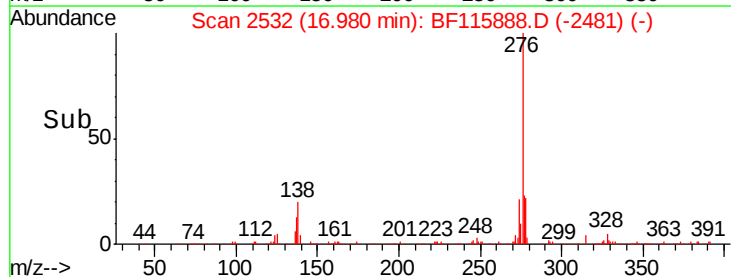
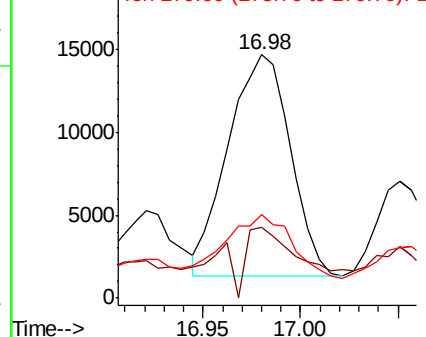


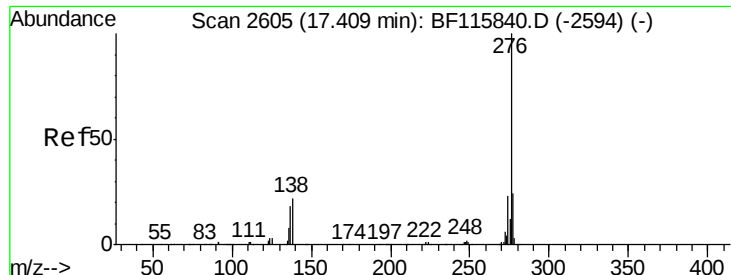
Abundance

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

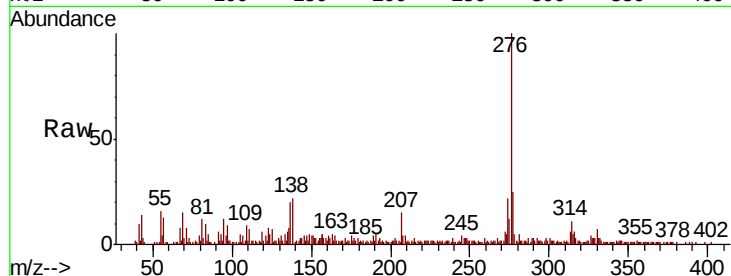




#92
 Benzo(g,h,i)perylene
 Concen: 9.609 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.02 min
 Lab File: BF115888.D
 Acq: 1 Aug 2019 1:12

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

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.5	29.3
138	21.6	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

