

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
 Data File : BF116212.D
 Acq On : 13 Aug 2019 1:56
 Operator : HP/JU
 Sample : K4090-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-080919-B

Quant Time: Aug 13 03:39:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

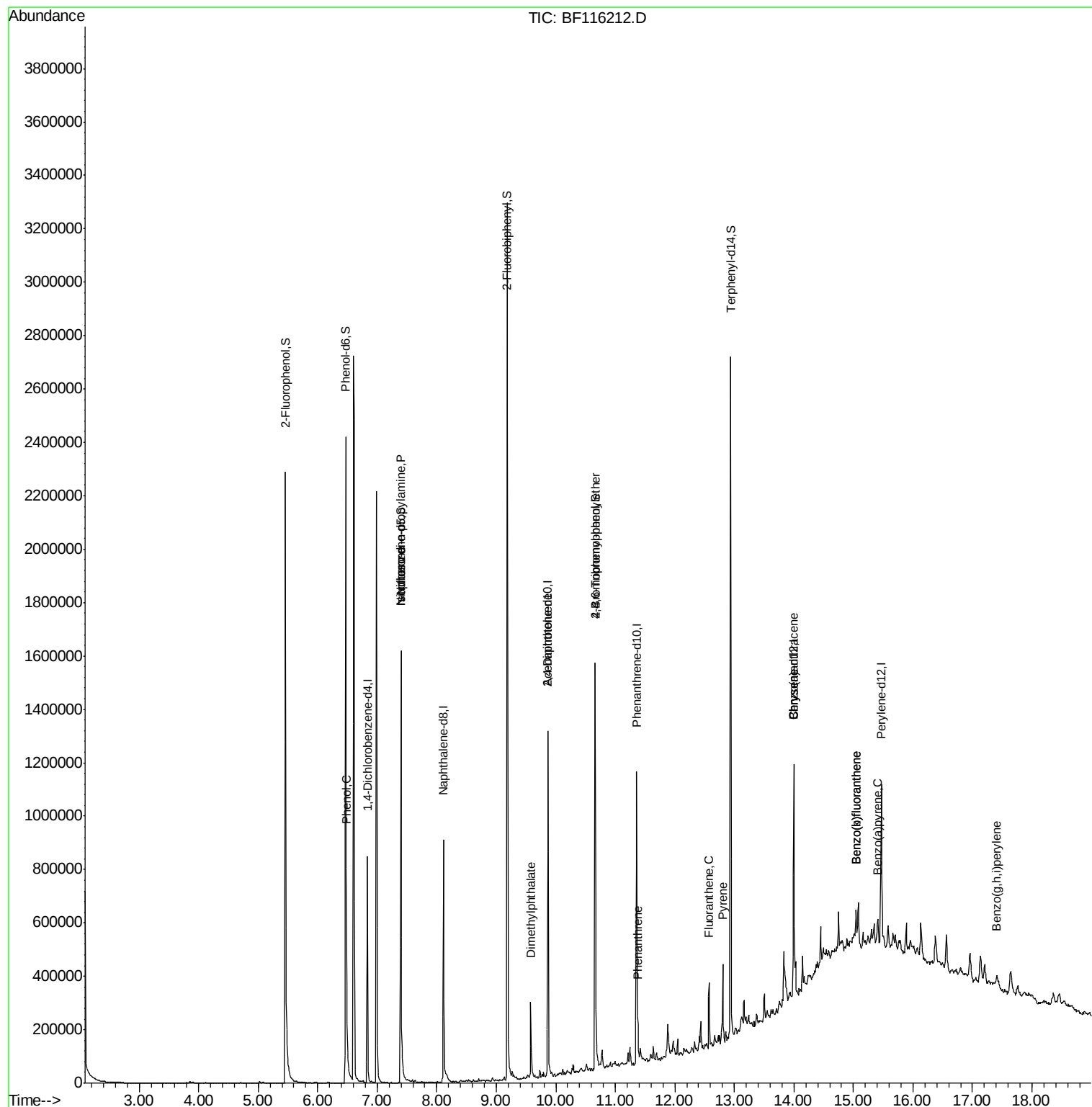
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	125655	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	495521	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	255237	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	412634	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	280411	20.00	ng	-0.01
87) Perylene-d12	15.47	264	288995	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	763180	101.68	ng	-0.01
7) Phenol-d6	6.47	99	989551	104.49	ng	-0.01
23) Nitrobenzene-d5	7.40	82	612643	71.37	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	224789	90.84	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1055388	77.45	ng	-0.02
79) Terphenyl-d14	12.94	244	914344	68.71	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	31482	2.823	ng	97
19) n-Nitroso-di-n-propylamine	7.40	70	82684	14.090	ng	# 79
25) Isophorone	7.40	82	612719	37.327	ng	# 65
50) Dimethylphthalate	9.58	163	126870	7.300	ng	99
57) 2,4-Dinitrotoluene	9.87	165	34327	6.827	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	13863	3.138	ng	# 1
71) Phenanthrene	11.38	178	45769	2.170	ng	97
75) Fluoranthene	12.57	202	99614	4.511	ng	100
78) Pyrene	12.80	202	95859	4.535	ng	97
81) Benzo(a)anthracene	13.99	228	45481	2.538	ng	96
83) Chrysene	13.99	228	45481	2.614	ng	95
88) Benzo(b)fluoranthene	15.04	252	86583	5.181	ng	# 84
89) Benzo(k)fluoranthene	15.04	252	86583	5.320	ng	# 83
90) Benzo(a)pyrene	15.41	252	45107	3.020	ng	# 84
92) Benzo(a,h,i)perylene	17.41	276	26252	2.067	ng	# 83

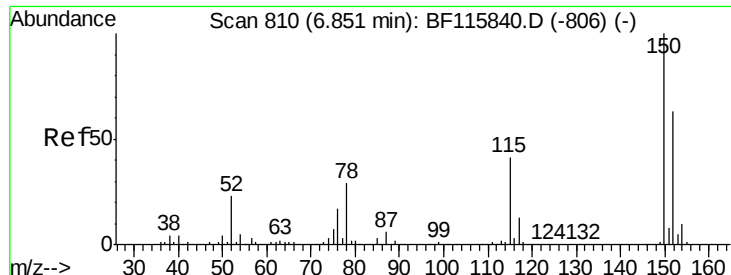
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF116212.D

Acq: 13 Aug 2019 1:56

Instrument :

BNA_F

ClientSampleId :

OR-03-080919-B

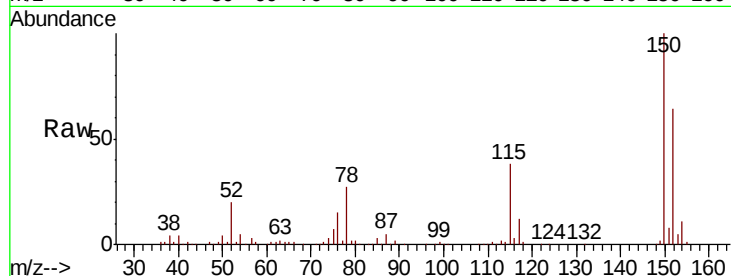
Tot Ion:152 Resp: 125655

Ion Ratio Lower Upper

152 100

150 156.8 126.2 189.2

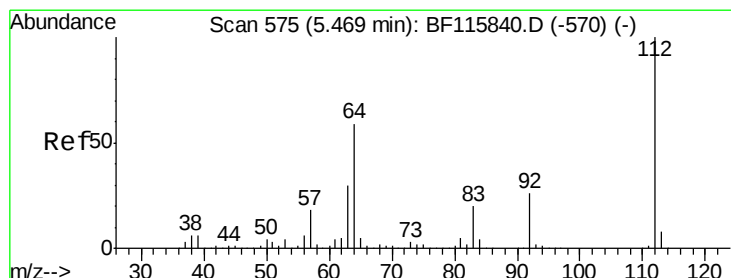
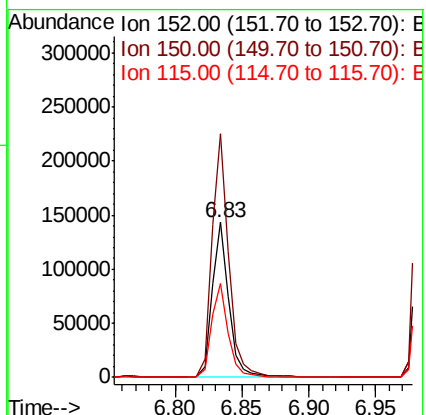
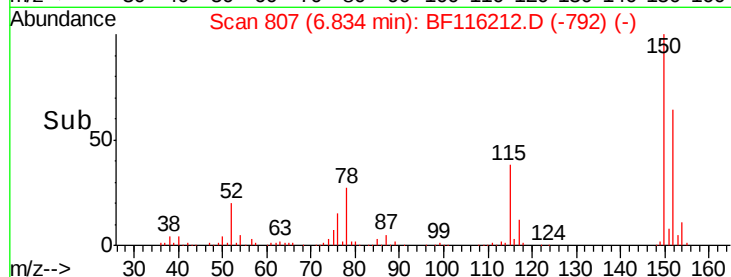
115 60.4 49.9 74.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 101.676 ng

RT: 5.46 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF116212.D

Acq: 13 Aug 2019 1:56

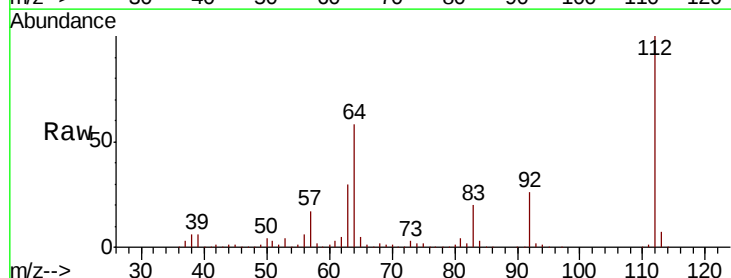
Tgt Ion:112 Resp: 763180

Ion Ratio Lower Upper

112 100

64 58.0 45.4 68.2

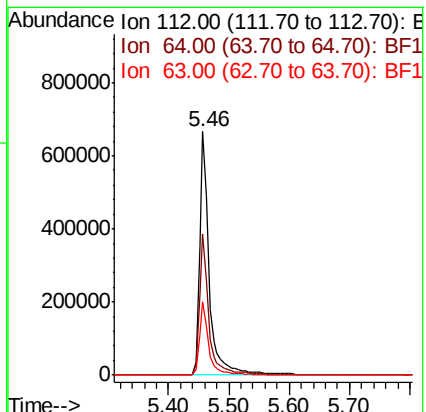
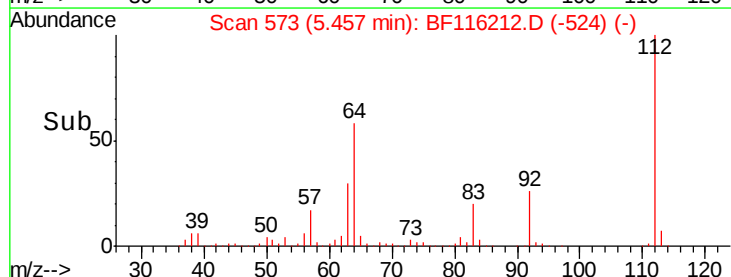
63 30.3 23.7 35.5

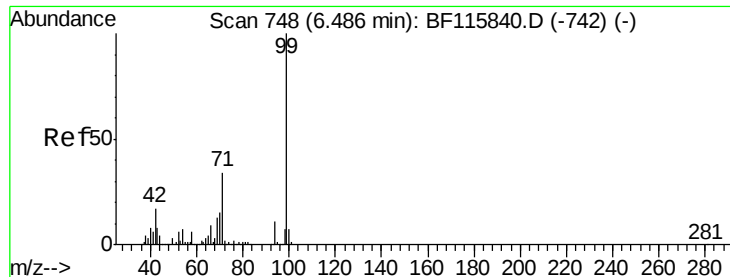


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 104.492 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116212.D

Acq: 13 Aug 2019 1:56

Instrument :

BNA_F

ClientSampleId :

OR-03-080919-B

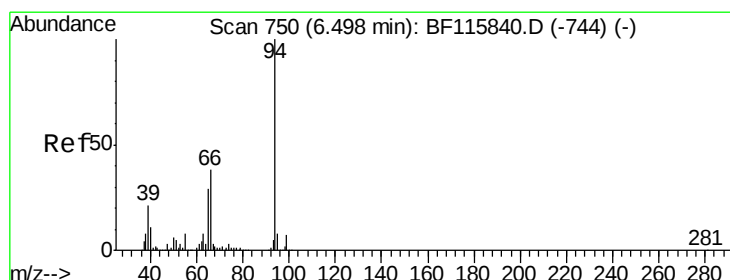
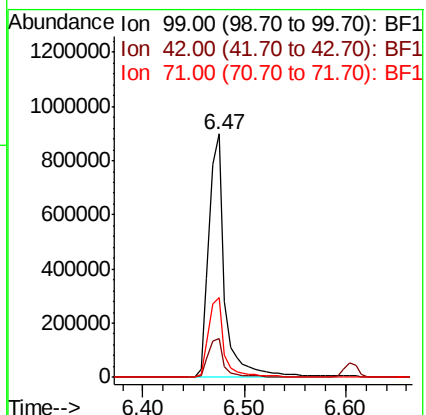
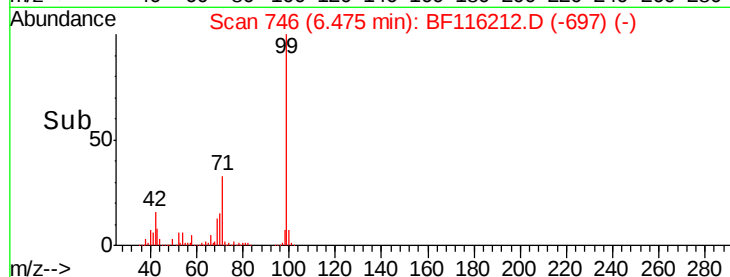
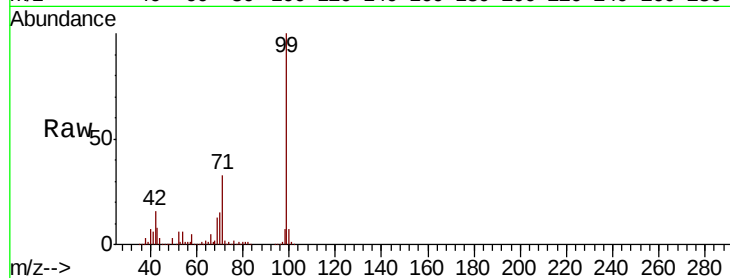
Tot Ion: 99 Resp: 989551

Ion Ratio Lower Upper

99 100

42 16.0 13.8 20.8

71 32.9 27.3 40.9



#10

Phenol

Concen: 2.823 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF116212.D

Acq: 13 Aug 2019 1:56

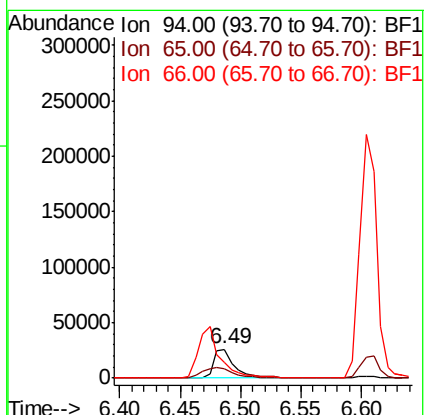
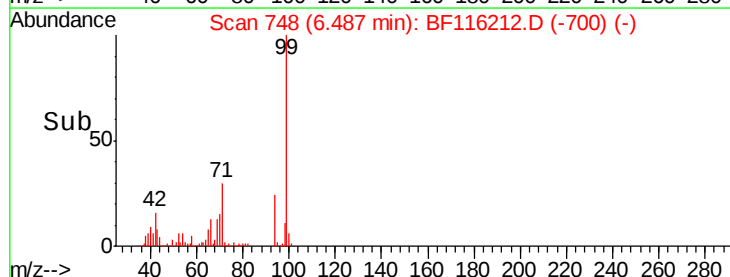
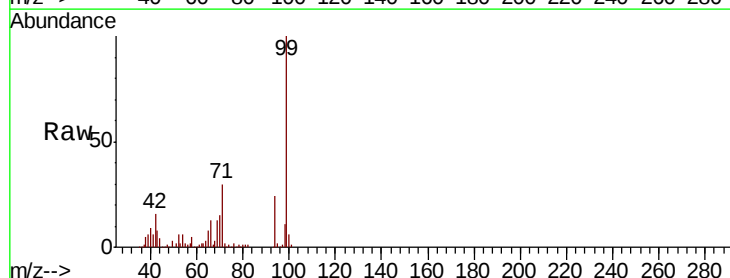
Tgt Ion: 94 Resp: 31482

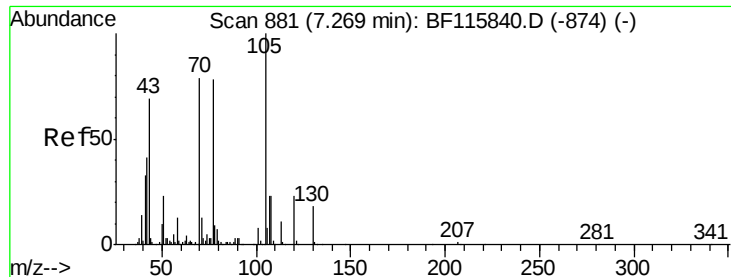
Ion Ratio Lower Upper

94 100

65 32.3 16.8 56.8

66 54.4 34.2 74.2

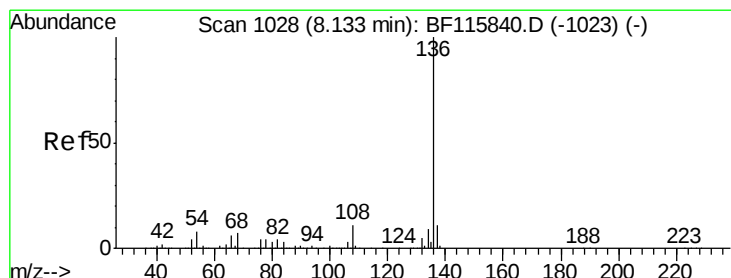
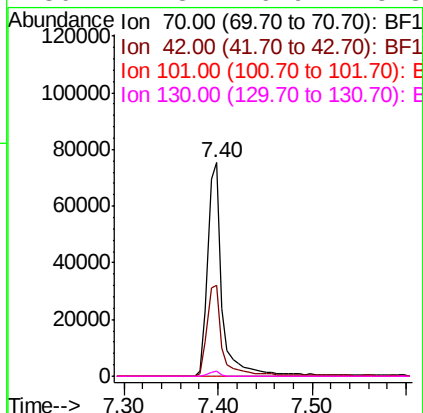
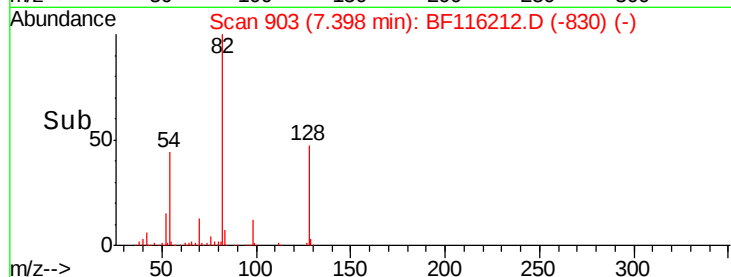
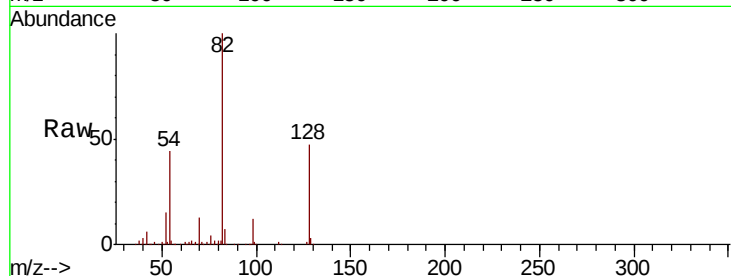




#19
n-Nitroso-di-n-propylamine
Concen: 14.090 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.13 min
Lab File: BF116212.D
Acq: 13 Aug 2019 1:56

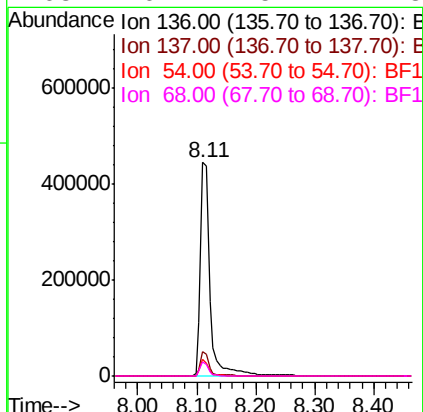
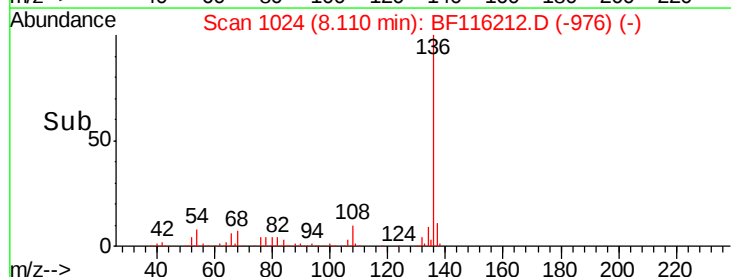
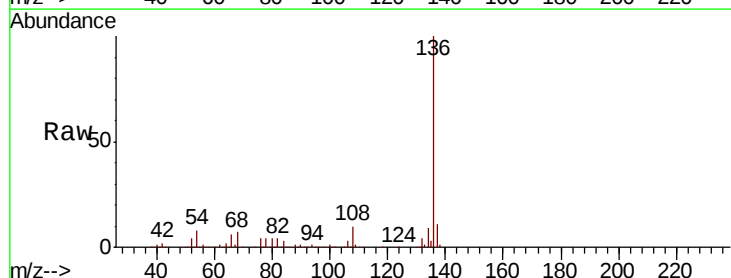
Instrument :
BNA_F
ClientSampleId :
OR-03-080919-B

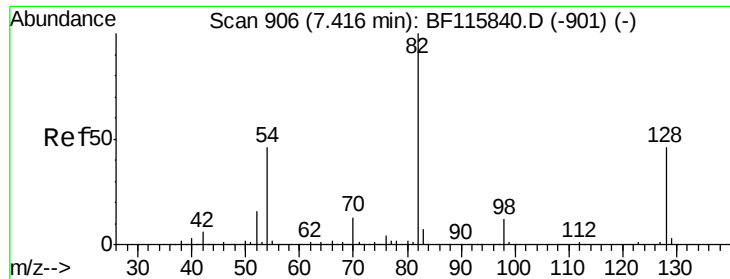
Tot Ion: 70 Resp: 82684
Ion Ratio Lower Upper
70 100
42 42.3 40.9 61.3
101 0.0 7.9 11.9#
130 2.3 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF116212.D
Acq: 13 Aug 2019 1:56

Tgt Ion: 136 Resp: 495521
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 7.6 5.8 8.6
68 6.7 5.2 7.8

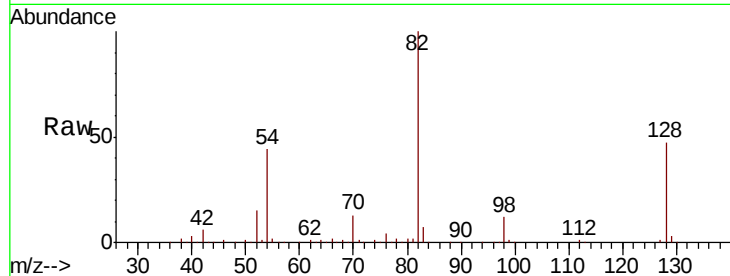




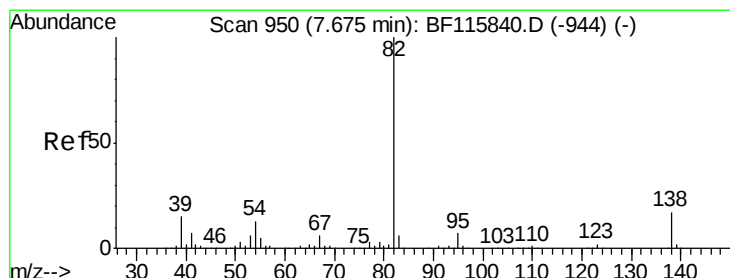
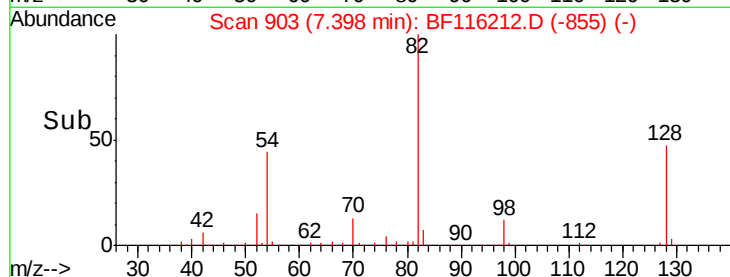
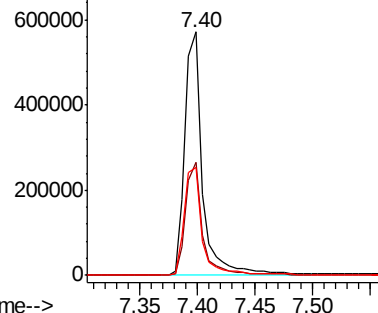
#23
 Nitrobenzene-d5
 Concen: 71.367 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF116212.D
 Acq: 13 Aug 2019 1:56

Instrument :
 BNA_F
 ClientSampleID :
 OR-03-080919-B

Tot Ion	82	Resp	612643
Ion Ratio	Lower	Upper	
82	100		
128	46.7	36.5	54.7
54	44.2	36.0	54.0

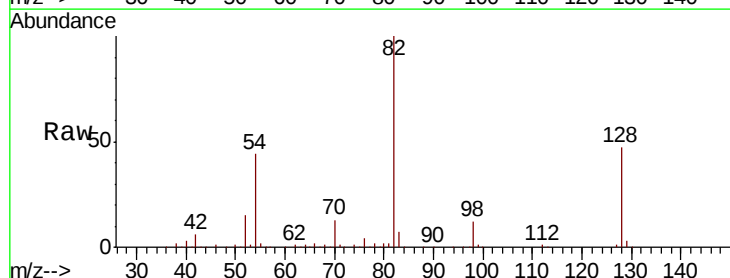


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

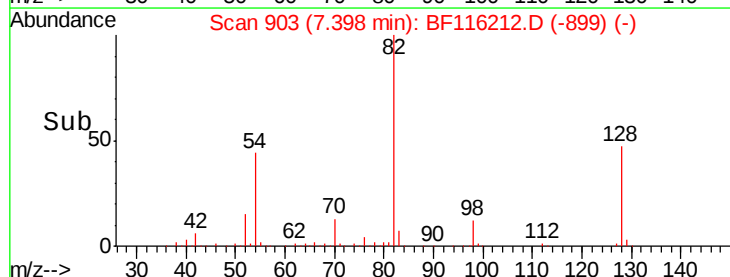
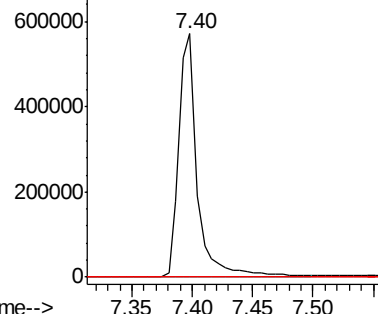


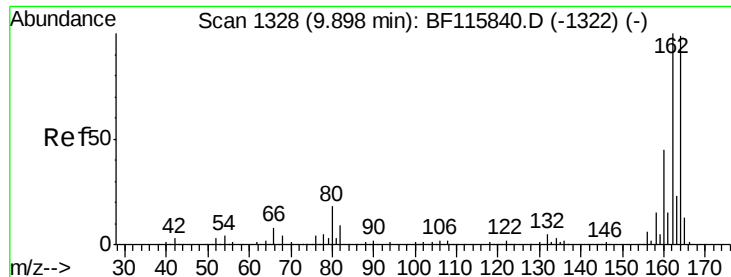
#25
 Isophorone
 Concen: 37.327 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.28 min
 Lab File: BF116212.D
 Acq: 13 Aug 2019 1:56

Tgt Ion	82	Resp	612719
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.0#
138	0.0	14.5	21.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116212.D

Acq: 13 Aug 2019 1:56

Instrument :

BNA_F

ClientSampleId :

OR-03-080919-B

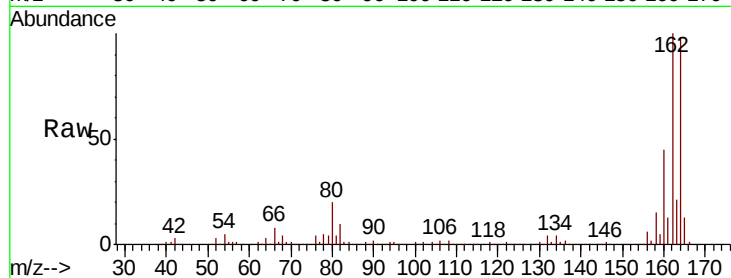
Tot Ion:164 Resp: 255237

Ion Ratio Lower Upper

164 100

162 101.9 82.6 124.0

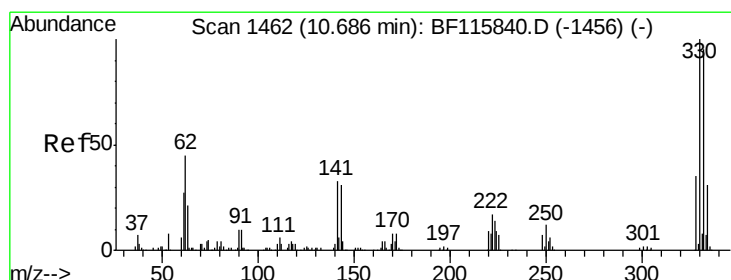
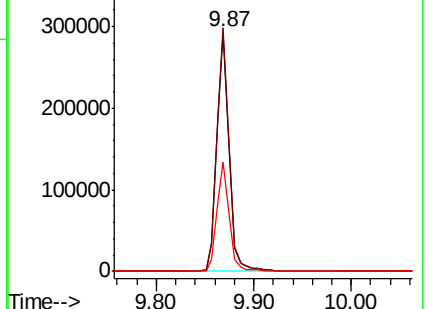
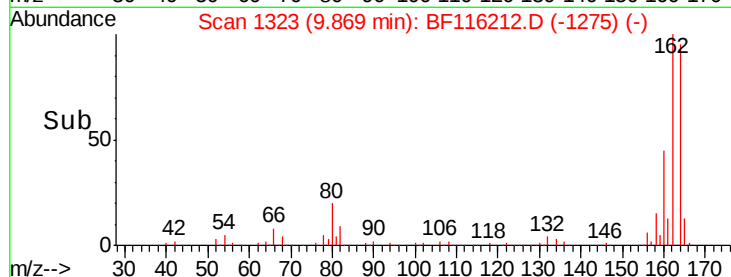
160 45.8 37.6 56.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 90.839 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116212.D

Acq: 13 Aug 2019 1:56

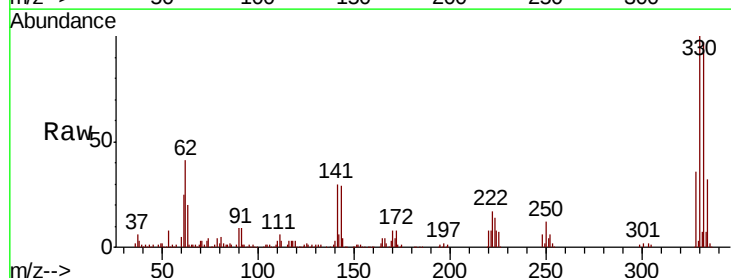
Tgt Ion:330 Resp: 224789

Ion Ratio Lower Upper

330 100

332 96.5 76.8 115.2

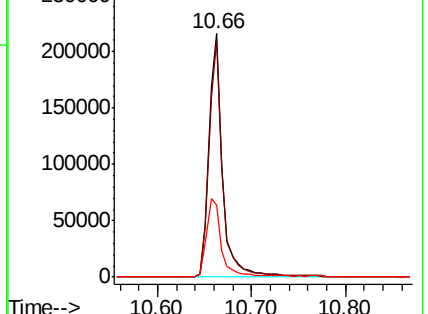
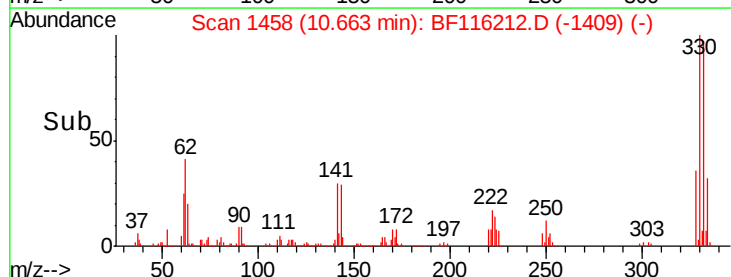
141 34.1 26.3 39.5

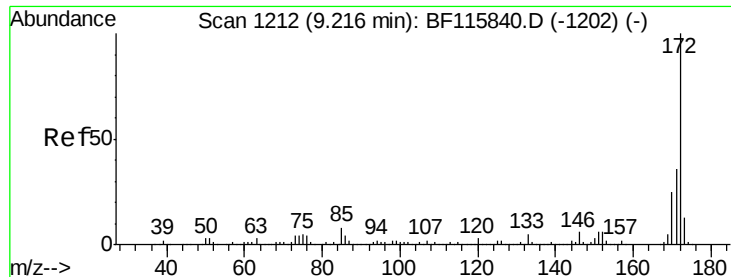


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



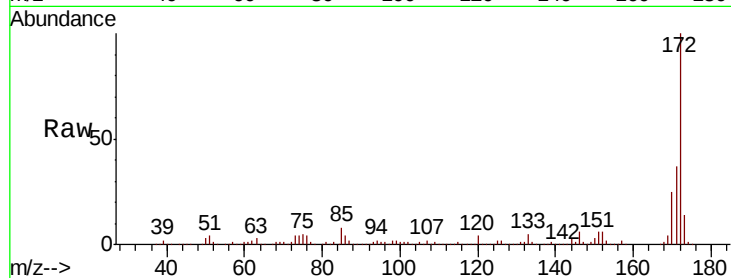


#45
 2-Fluorobiphenyl
 Concen: 77.450 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF116212.D
 Acq: 13 Aug 2019 1:56

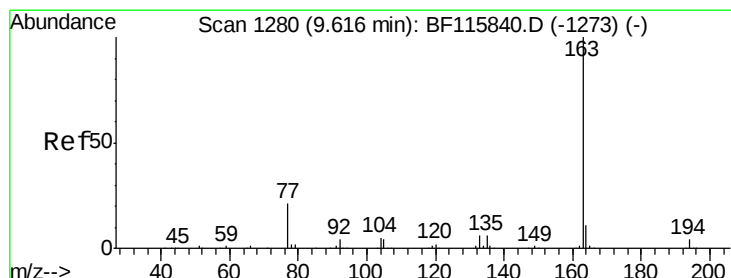
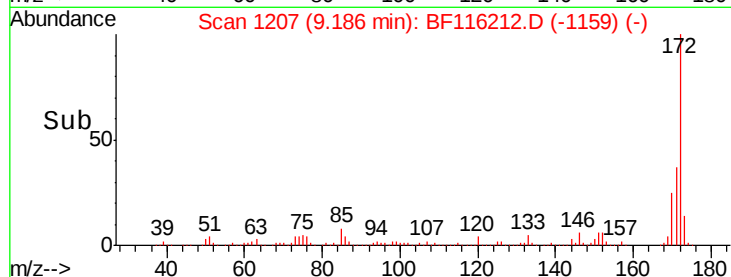
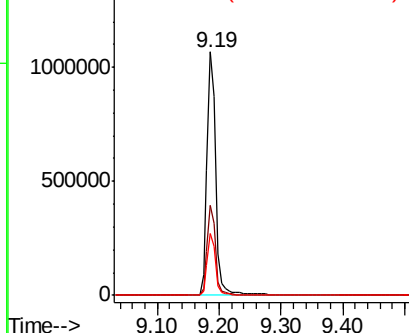
Instrument :
 BNA_F
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 OR-03-080919-B

Tot Ion:172 Resp: 1055388

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	25.4	20.1	30.1



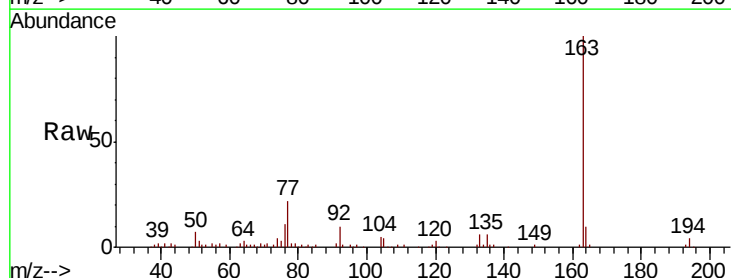
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



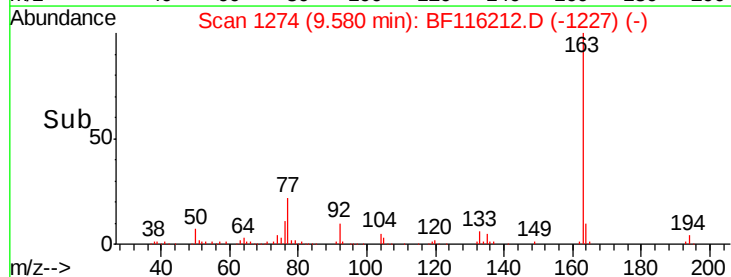
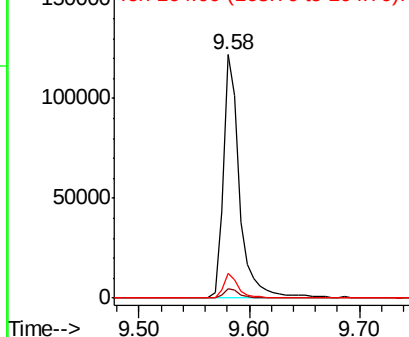
#50
 Dimethylphthalate
 Concen: 7.300 ng
 RT: 9.58 min Scan# 1274
 Delta R.T. -0.02 min
 Lab File: BF116212.D
 Acq: 13 Aug 2019 1:56

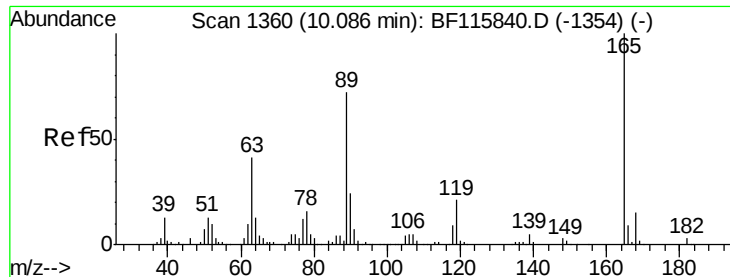
Tgt Ion:163 Resp: 126870

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.2	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

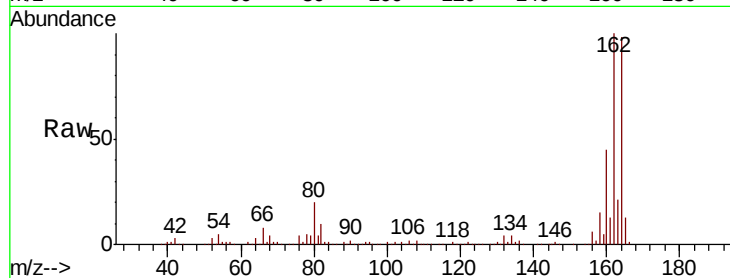




#57
 2,4-Dinitrotoluene
 Concen: 6.827 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116212.D
 Acq: 13 Aug 2019 1:56

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-080919-B

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	39.6	59.4#
89	1.3	62.2	93.2#
182	0.0	2.1	3.1#



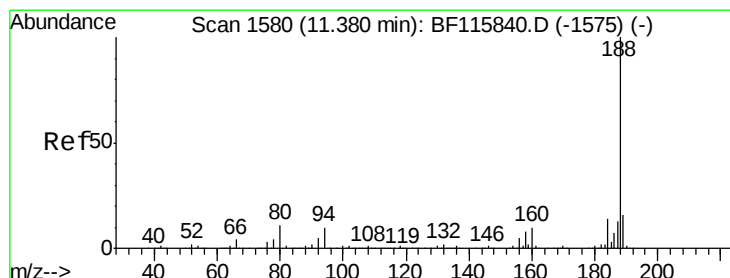
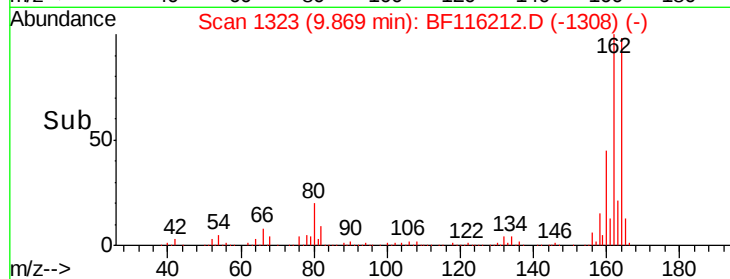
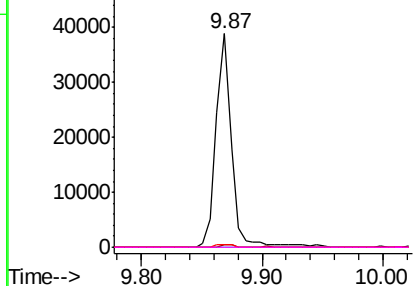
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116212.D
 Acq: 13 Aug 2019 1:56

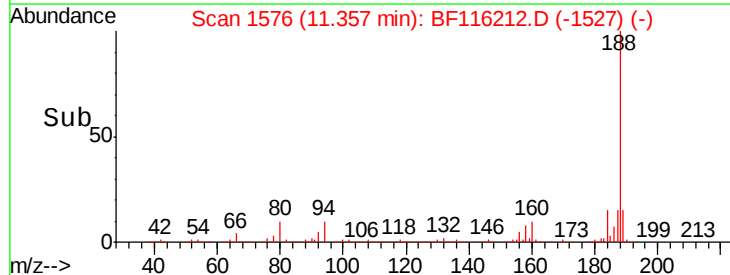
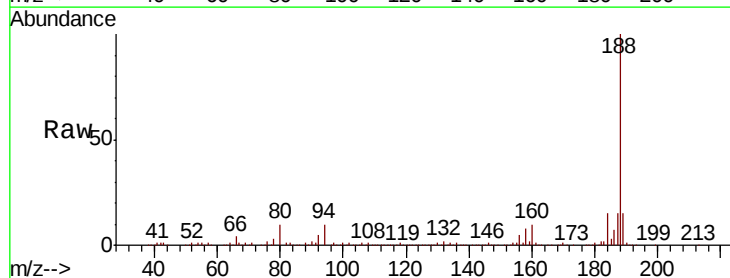
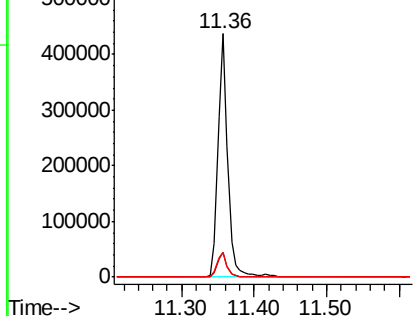
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.1	12.1
80	10.4	8.7	13.1

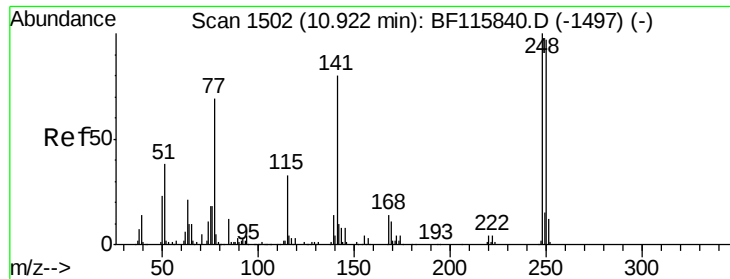
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

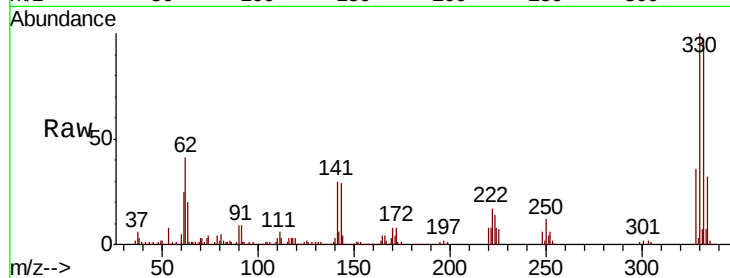




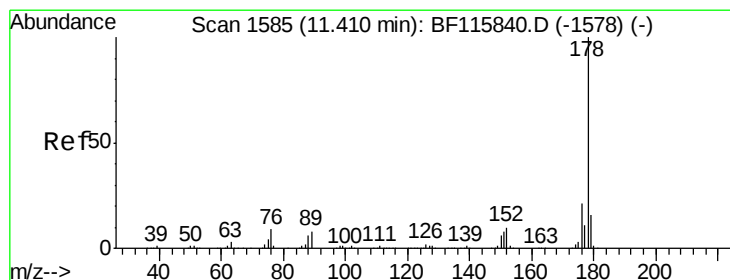
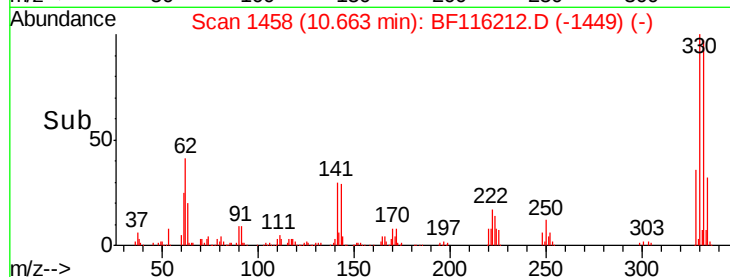
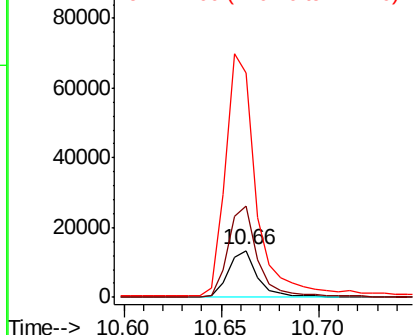
#67
 4-Bromophenyl-phenylether
 Concen: 3.138 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116212.D
 Acq: 13 Aug 2019 1:56

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-080919-B

Tot Ion:248 Resp: 13863
 Ion Ratio Lower Upper
 248 100
 250 196.6 77.4 116.2#
 141 480.3 56.8 85.2#

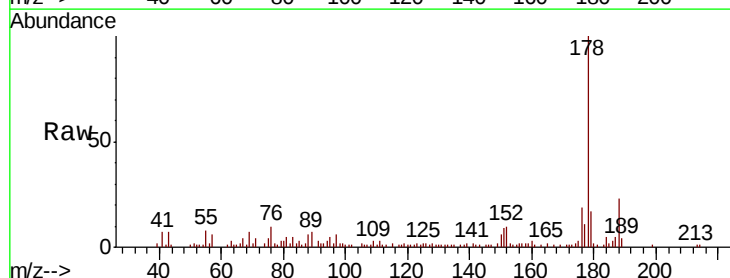


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

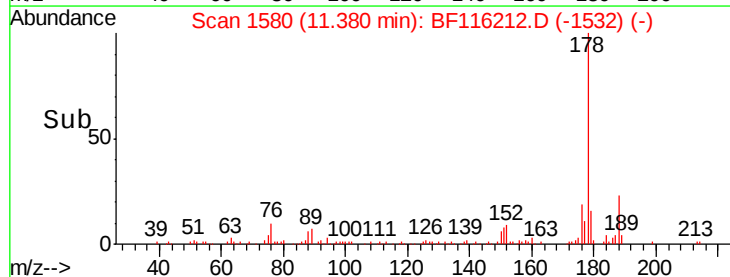
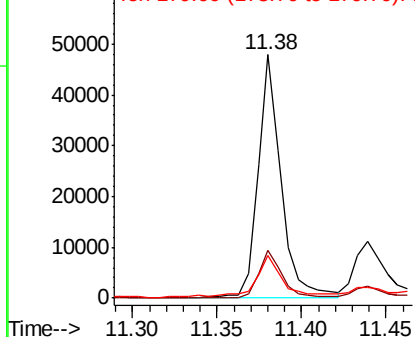


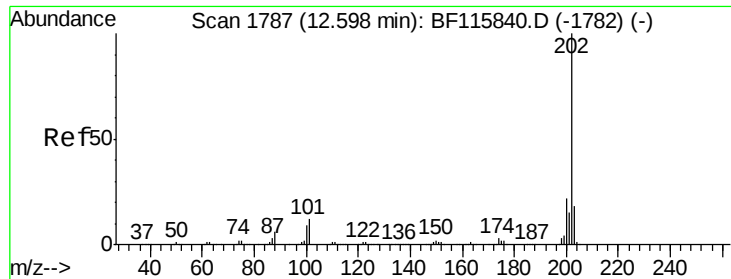
#71
 Phenanthrene
 Concen: 2.170 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF116212.D
 Acq: 13 Aug 2019 1:56

Tgt Ion:178 Resp: 45769
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.6 24.8
 179 17.4 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

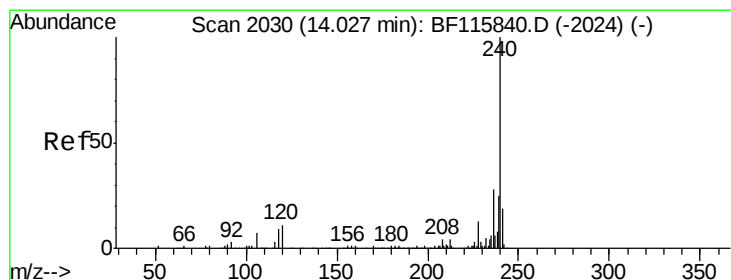
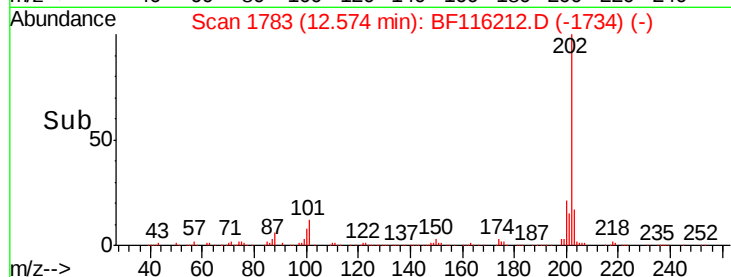
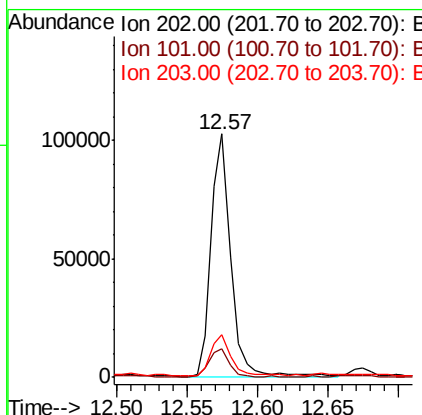
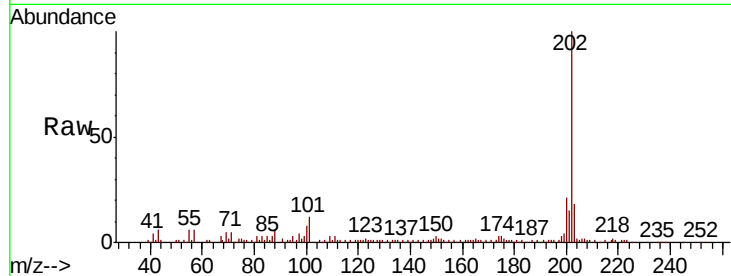




#75
 Fluoranthene
 Concen: 4.511 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF116212.D
 Acq: 13 Aug 2019 1:56

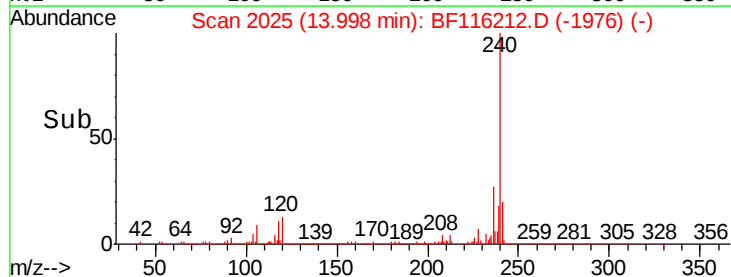
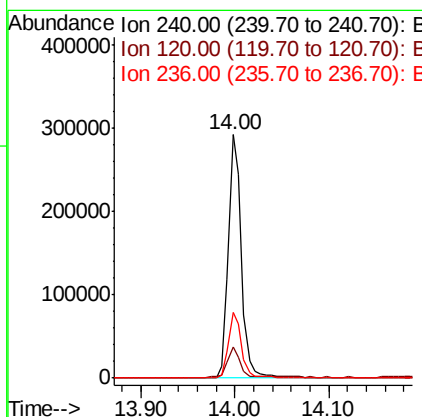
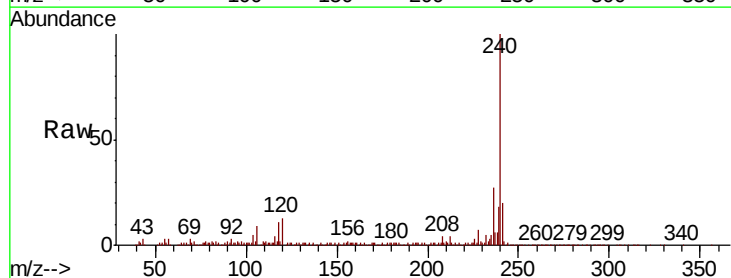
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-080919-B

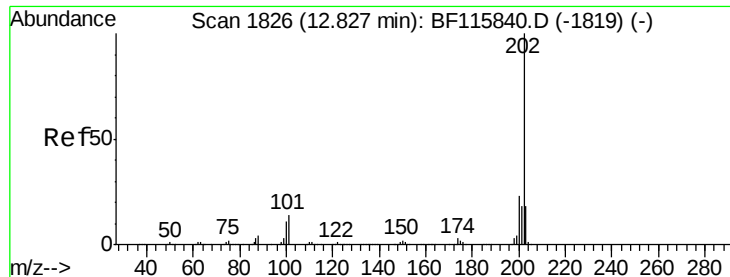
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.2
203	17.7	0.0	37.8



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF116212.D
 Acq: 13 Aug 2019 1:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.0	10.7	16.1
236	27.0	22.2	33.2

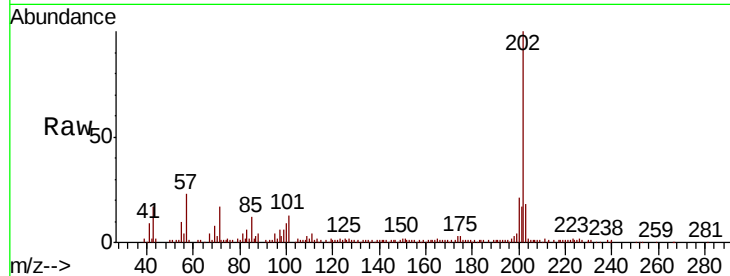




#78
Pvrene
Concen: 4.535 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116212.D
Acq: 13 Aug 2019 1:56

Instrument :
BNA_F
ClientSampleId :
OR-03-080919-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	18.0	27.0
203	18.3	14.1	21.1

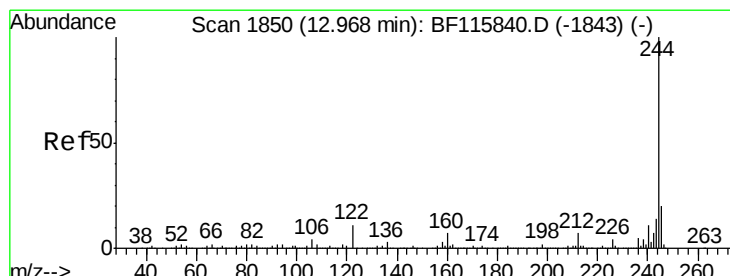
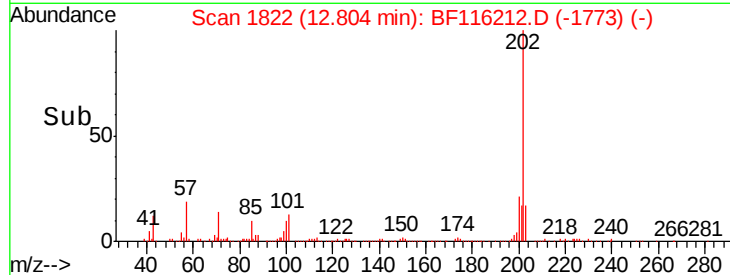
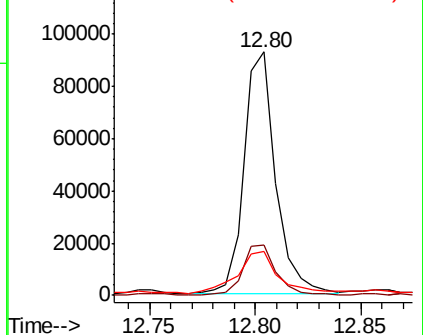


Abundance

Ion 202.00 (201.70 to 202.70): E

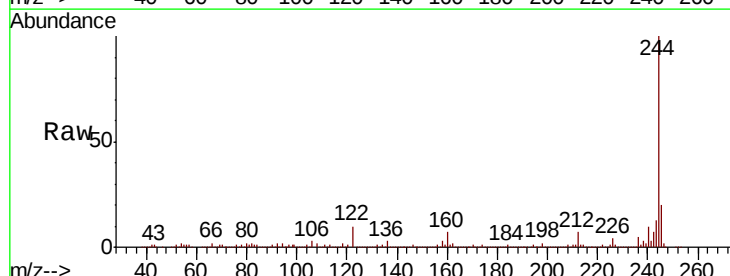
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 68.709 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116212.D
Acq: 13 Aug 2019 1:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	10.5	9.0	13.4

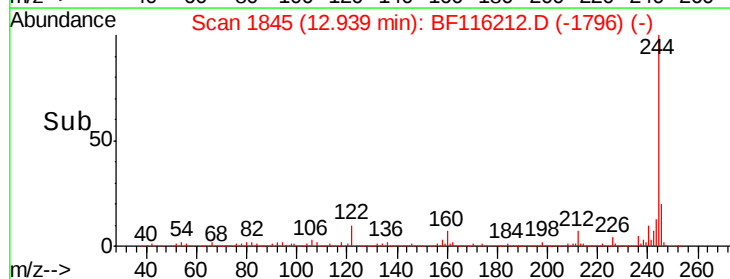
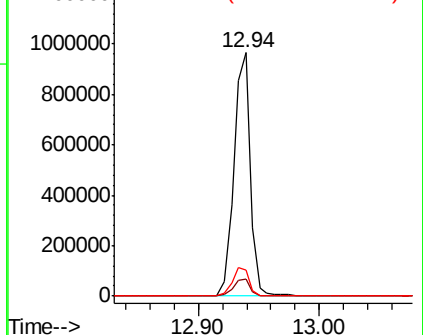


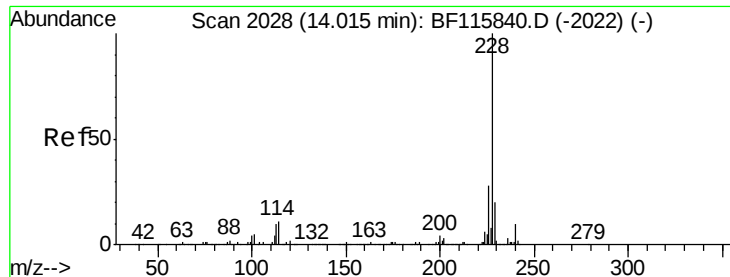
Abundance

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: 2.538 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116212.D

Acq: 13 Aug 2019 1:56

Instrument :

BNA_F

ClientSampleId :

OR-03-080919-B

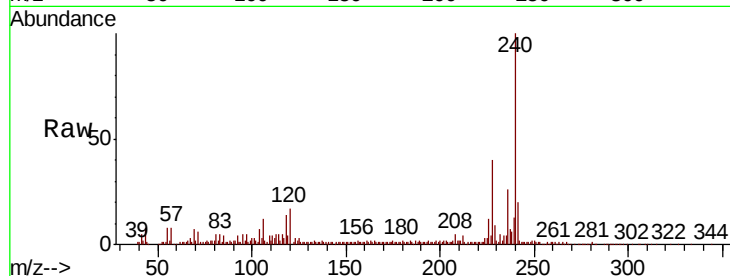
Tot Ion:228 Resp: 45481

Ion Ratio Lower Upper

228 100

226 29.4 22.7 34.1

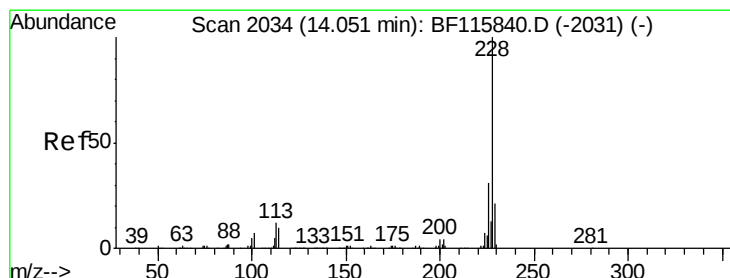
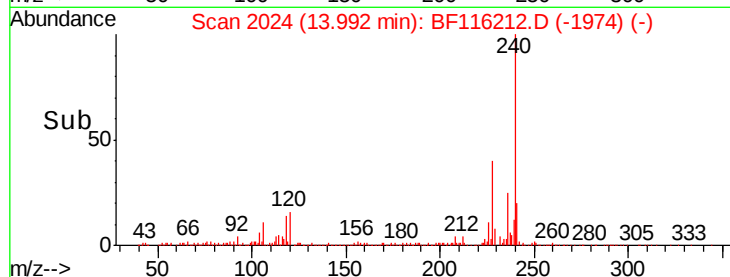
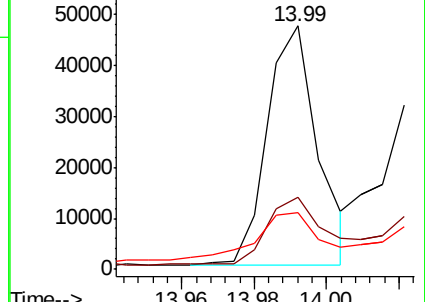
229 23.2 16.2 24.4



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: 2.614 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.05 min

Lab File: BF116212.D

Acq: 13 Aug 2019 1:56

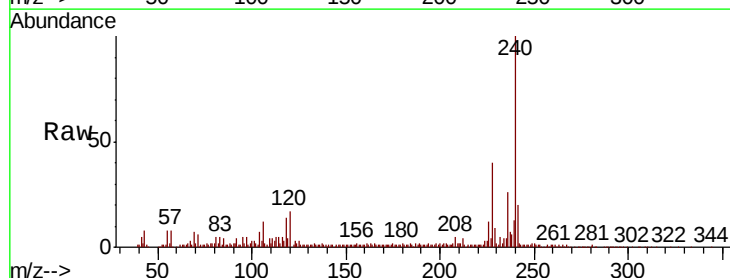
Tgt Ion:228 Resp: 45481

Ion Ratio Lower Upper

228 100

226 29.4 25.5 38.3

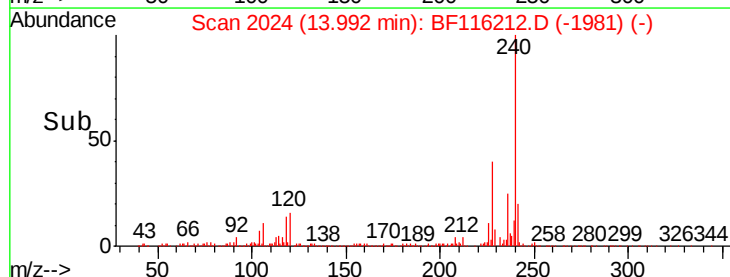
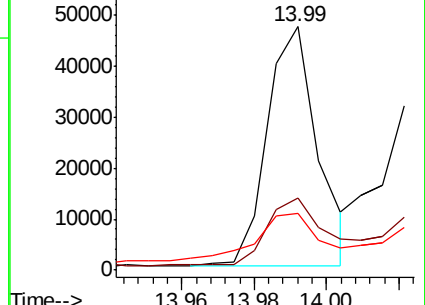
229 23.2 16.6 24.8

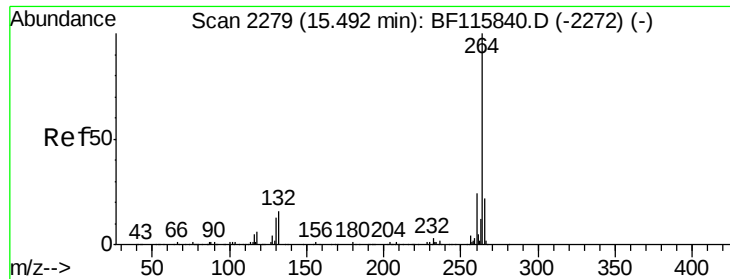


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

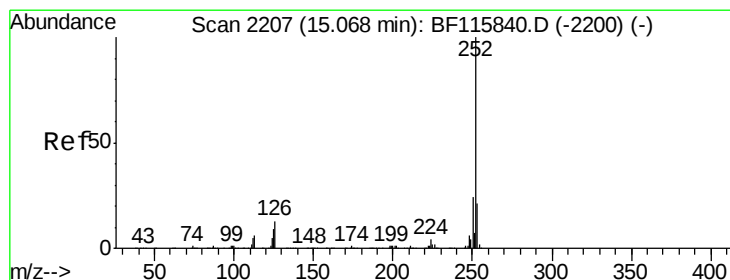
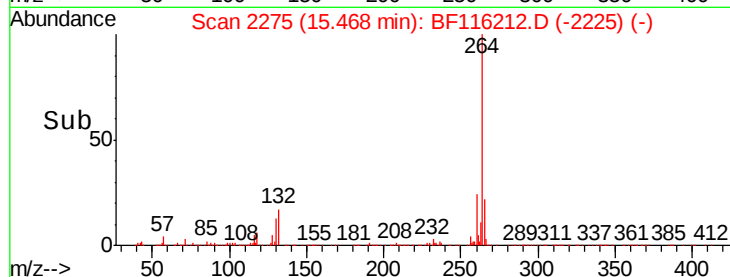
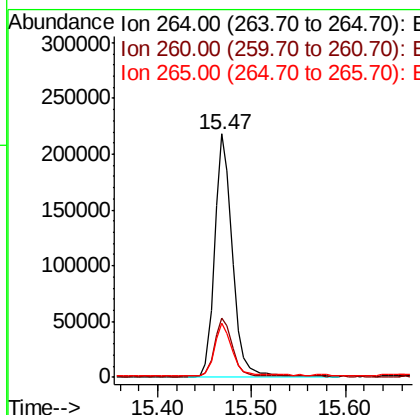
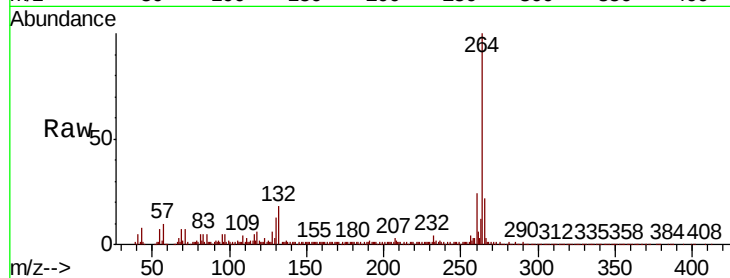




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116212.D
Acq: 13 Aug 2019 1:56

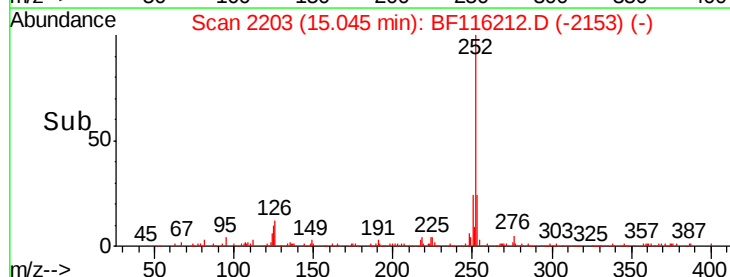
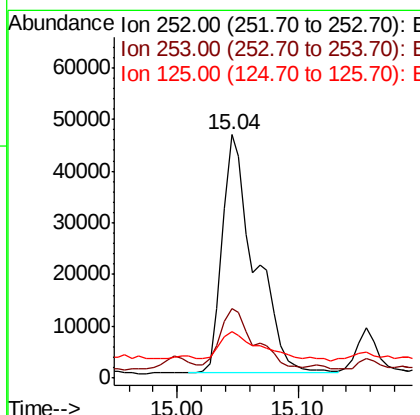
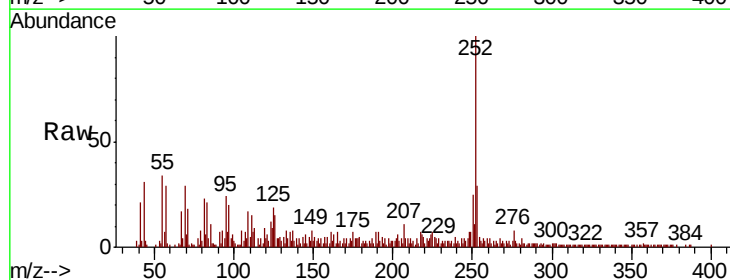
Instrument :
BNA_F
ClientSampleId :
OR-03-080919-B

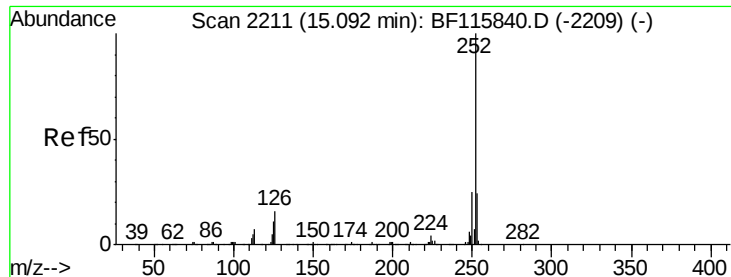
Tot Ion:264	Resp:	288995
Ion Ratio	Lower	Upper
264	100	
260	24.4	19.7 29.5
265	22.2	17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 5.181 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116212.D
Acq: 13 Aug 2019 1:56

Tgt Ion:252	Resp:	86583
Ion Ratio	Lower	Upper
252	100	
253	28.7	17.8 26.8#
125	19.1	8.4 12.6#

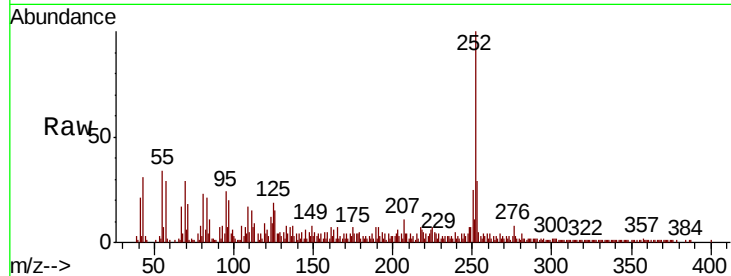




#89
Benzo(k)fluoranthene
Concen: 5.320 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116212.D
Acq: 13 Aug 2019 1:56

Instrument :
BNA_F
ClientSampleId :
OR-03-080919-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.7	17.8	26.8#
125	19.1	7.7	11.5#

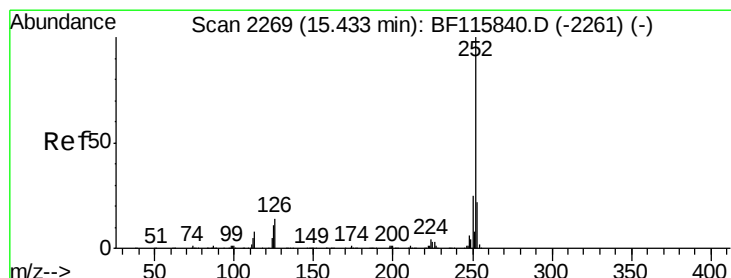
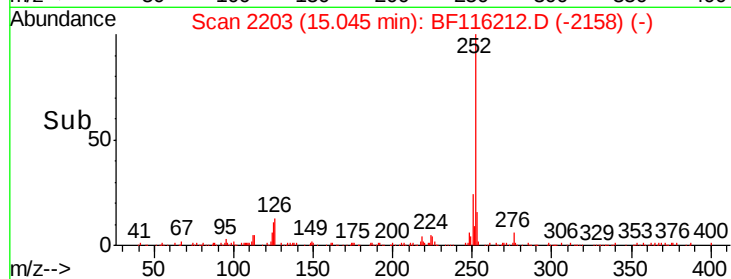
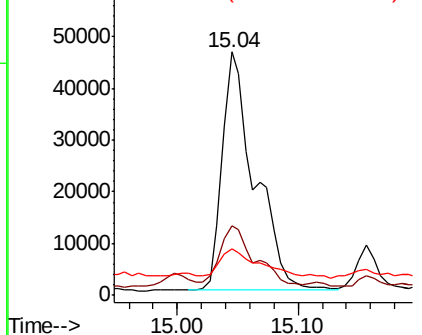


Abundance

Ion 252.00 (251.70 to 252.70): E

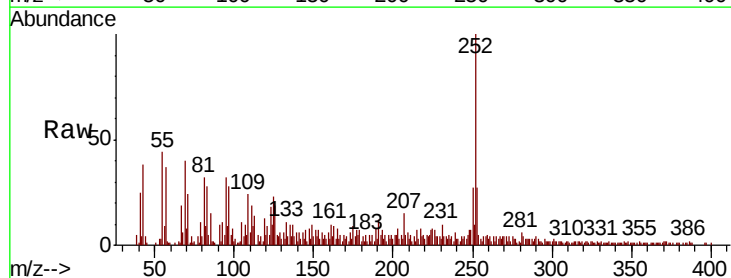
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 3.020 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116212.D
Acq: 13 Aug 2019 1:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.0	27.0#
125	22.7	8.9	13.3#

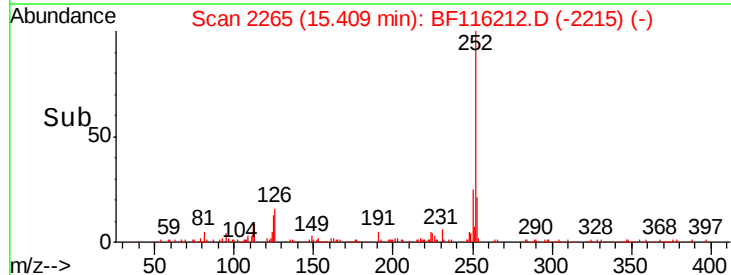
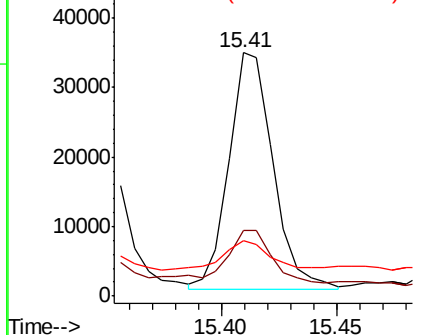


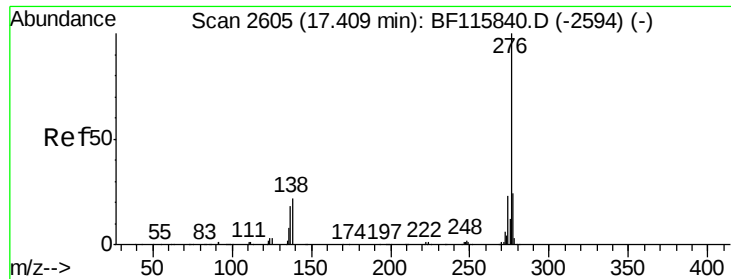
Abundance

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





#92
 Benzo(a,h,i)perylene
 Concen: 2.067 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. 0.02 min
 Lab File: BF116212.D
 Acq: 13 Aug 2019 1:56

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-080919-B

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	30.9	18.4	27.6	
138	29.7	17.0	25.6	

