

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115958.D
 Acq On : 2 Aug 2019 20:31
 Operator : HP/JU
 Sample : K4129-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2S-E1-E4-(30)COMP

Quant Time: Aug 02 23:44:49 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	128206	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	500537	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	268234	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	491703	20.00	ng	0.00
76) Chrysene-d12	14.02	240	398480	20.00	ng	0.00
87) Perylene-d12	15.49	264	386365	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	722481	94.34	ng	0.00
7) Phenol-d6	6.49	99	946856	97.99	ng	0.00
23) Nitrobenzene-d5	7.41	82	606334	69.92	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	253170	97.35	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1040393	72.65	ng	0.00
79) Terphenyl-d14	12.96	244	1243109	65.74	ng	0.00

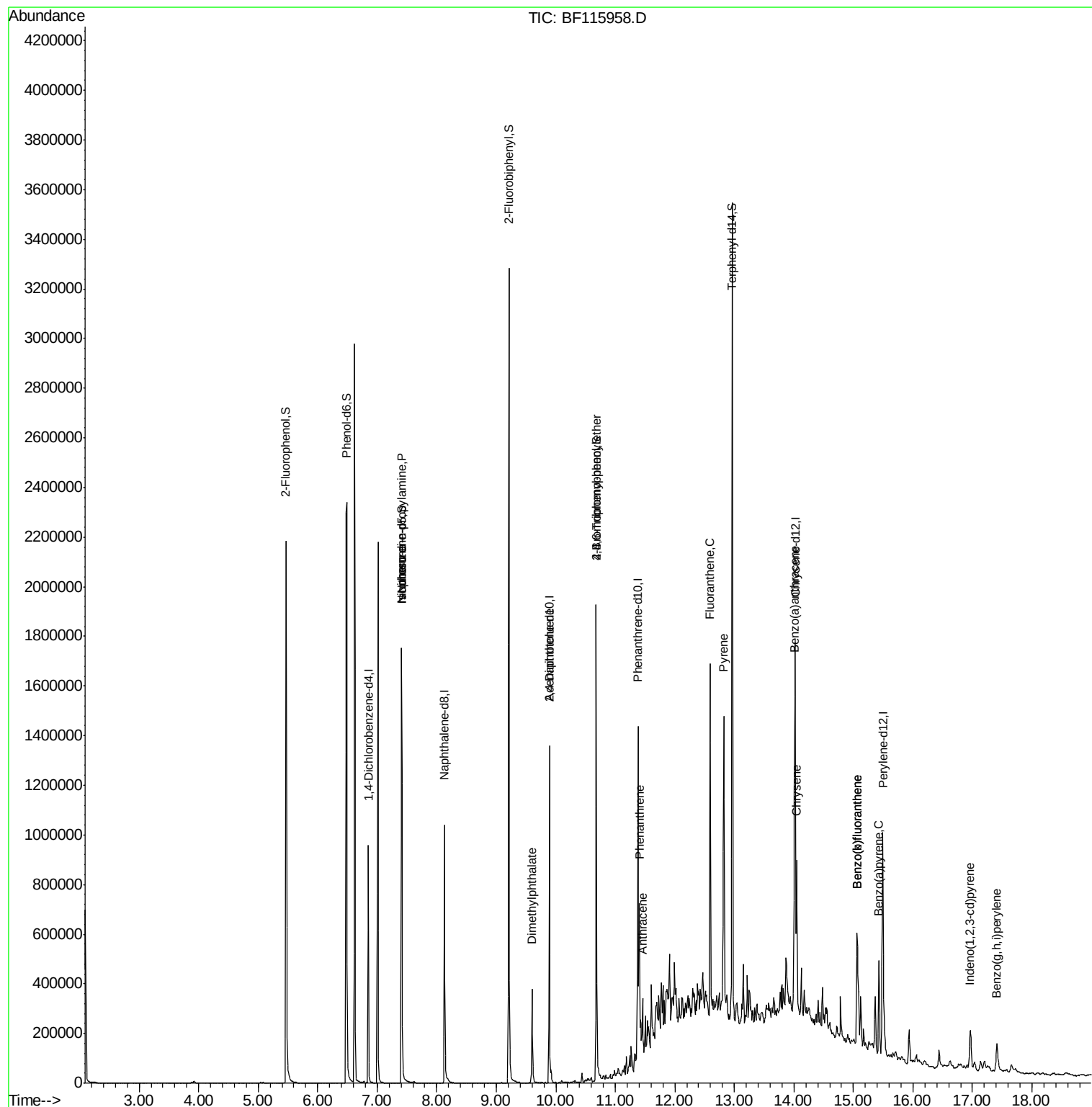
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	79588	13.292	ng	# 79
25) Isophorone	7.41	82	606330	36.568	ng	# 66
50) Dimethylphthalate	9.60	163	166597	9.122	ng	99
57) 2,4-Dinitrotoluene	9.89	165	33963	6.427	ng	# 25
67) 4-Bromophenyl-phenylether	10.68	248	15175	2.883	ng	# 1
71) Phenanthrene	11.40	178	234308	9.321	ng	99
72) Anthracene	11.46	178	66664	2.620	ng	99
75) Fluoranthene	12.59	202	552471	20.994	ng	97
78) Pyrene	12.82	202	487545	16.231	ng	97
81) Benzo(a)anthracene	14.01	228	276282	10.848	ng	99
83) Chrysene	14.04	228	221665	8.965	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	107276	5.165	ng	97
88) Benzo(b)fluoranthene	15.06	252	340474	15.240	ng	# 97
89) Benzo(k)fluoranthene	15.06	252	340474	15.647	ng	99
90) Benzo(a)pyrene	15.43	252	179598	8.993	ng	97
92) Benzo(g,h,i)perylene	17.41	276	100405	5.914	ng	99

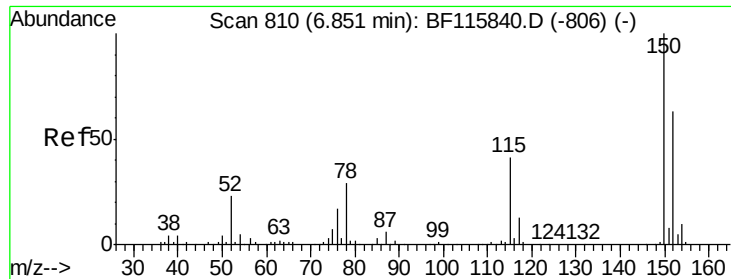
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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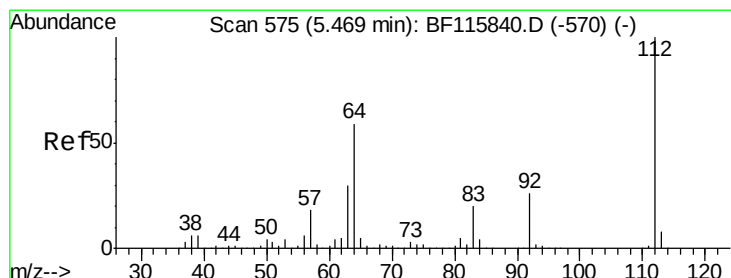
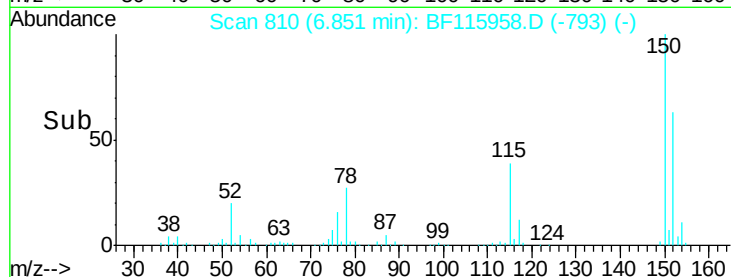
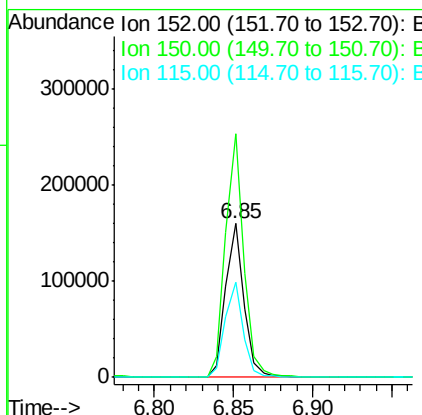
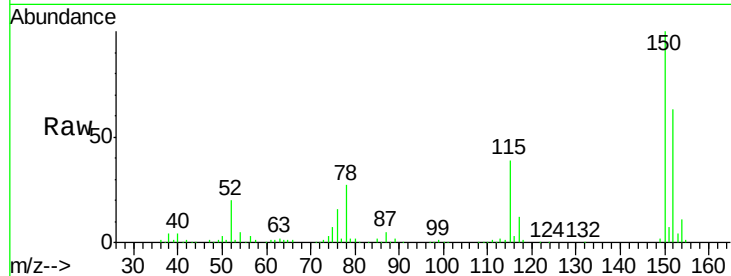


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Instrument :
BNA_F
ClientSampleId :
2S-E1-E4-(30)COMP

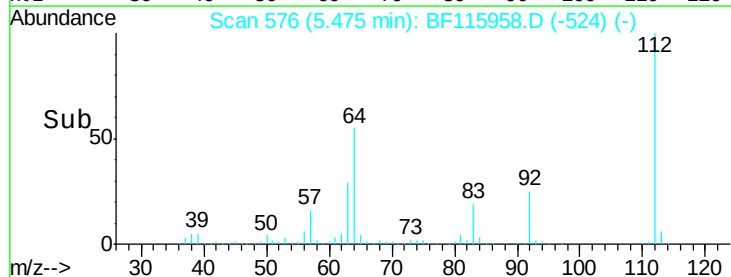
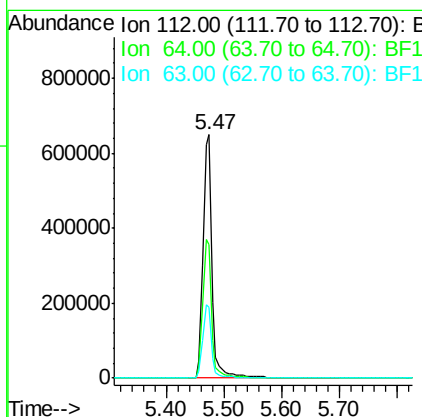
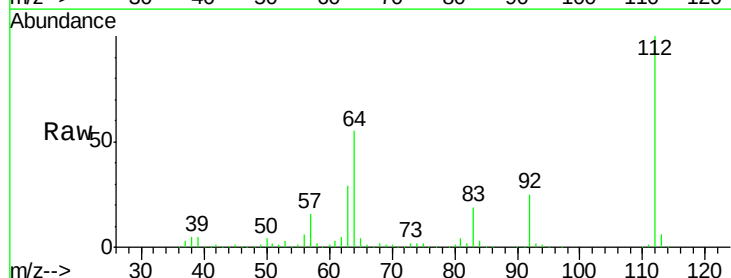
Tot Ion:152 Resp: 128206
Ion Ratio Lower Upper
152 100
150 158.5 127.4 191.0
115 61.9 51.8 77.8

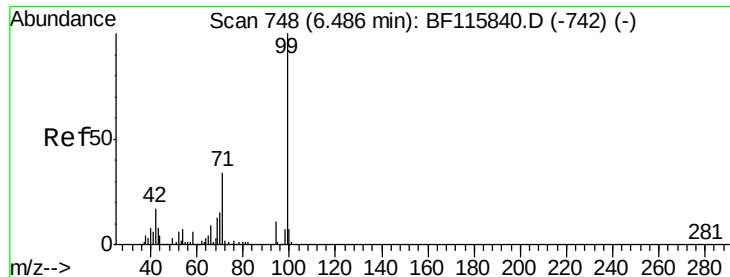


#5

2-Fluorophenol
Concen: 94.339 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Tgt Ion:112 Resp: 722481
Ion Ratio Lower Upper
112 100
64 54.7 46.8 70.2
63 29.2 24.2 36.2





#7

Phenol-d6

Concen: 97.994 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Instrument :

BNA_F

ClientSampleId :

2S-E1-E4-(30)COMP

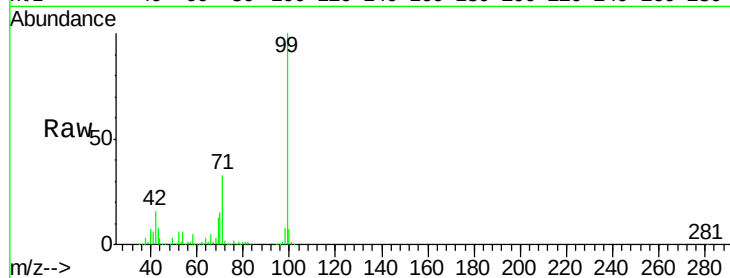
Tot Ion: 99 Resp: 946856

Ion Ratio Lower Upper

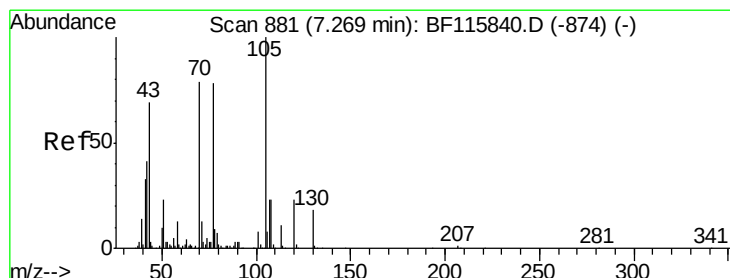
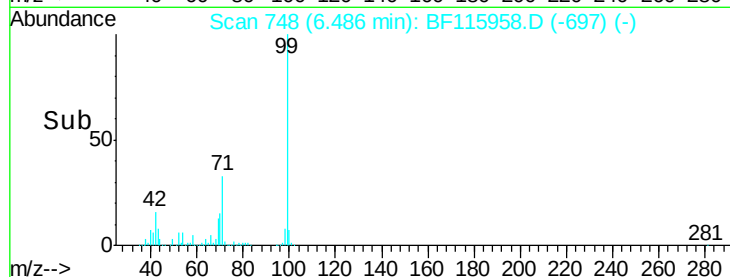
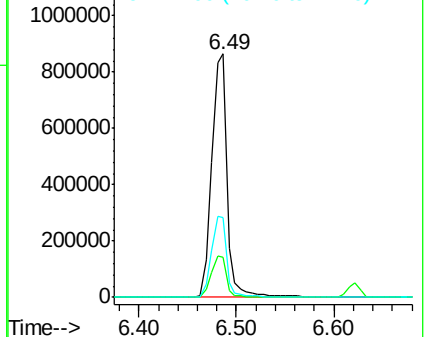
99 100

42 16.5 13.8 20.6

71 32.8 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: 13.292 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Tgt Ion: 70 Resp: 79588

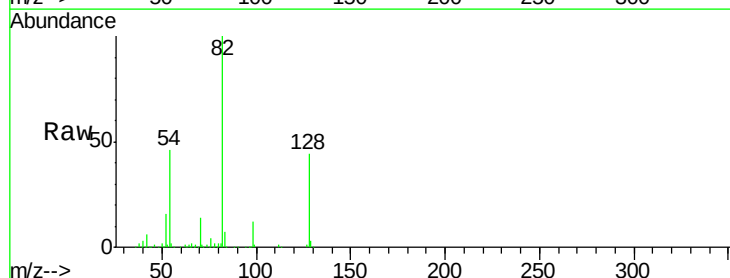
Ion Ratio Lower Upper

70 100

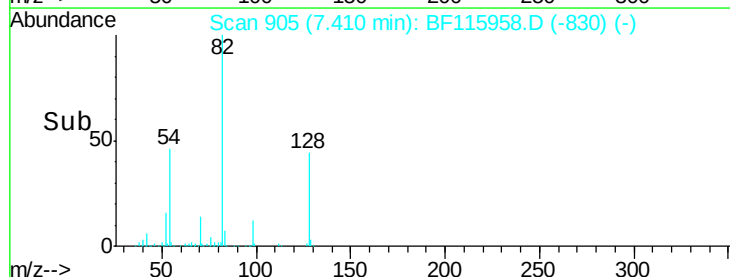
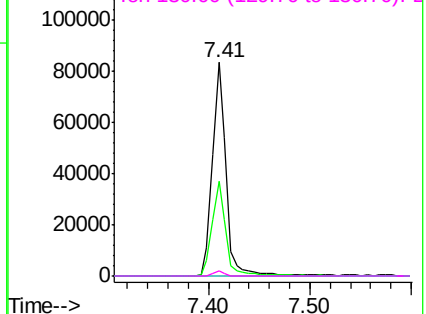
42 44.5 41.8 62.8

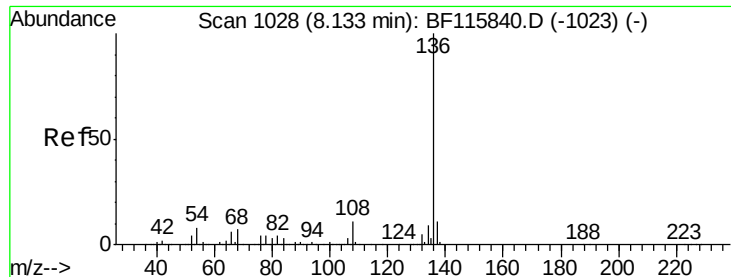
101 0.0 7.7 11.5#

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

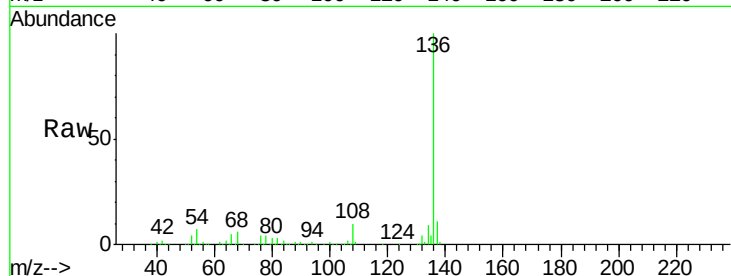




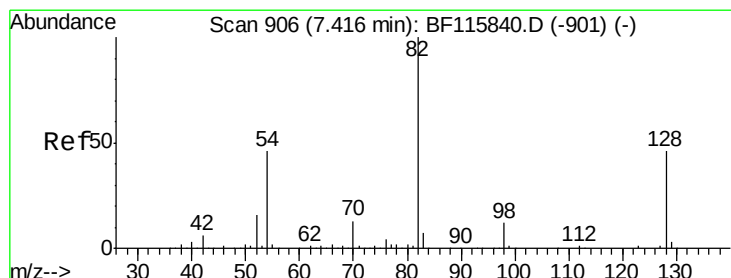
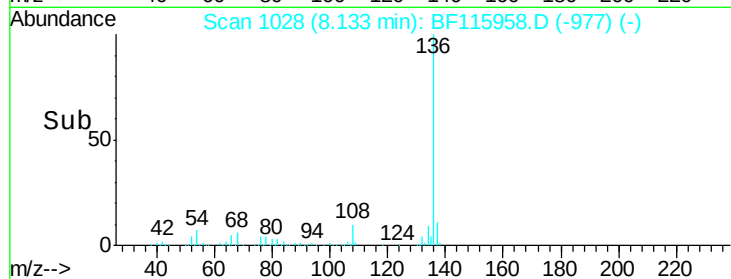
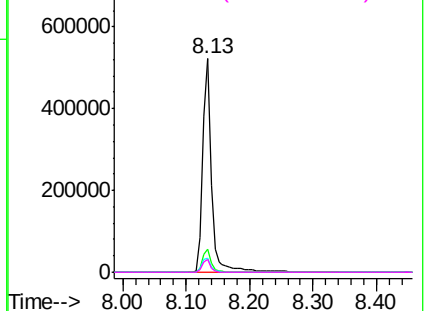
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Instrument :
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Tot Ion:136	Resp:	500537
Ion Ratio	Lower	Upper
136 100		
137 10.9	9.1	13.7
54 6.6	6.1	9.1
68 5.9	5.4	8.2

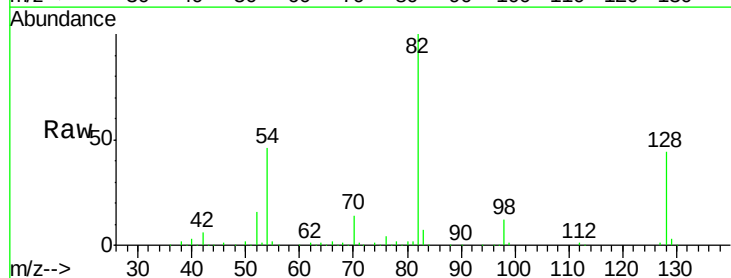


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

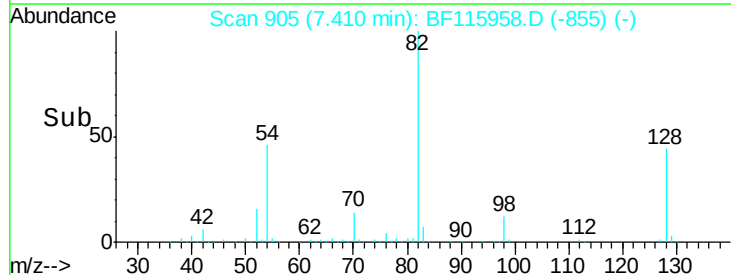
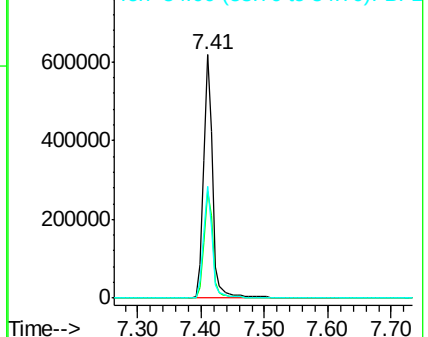


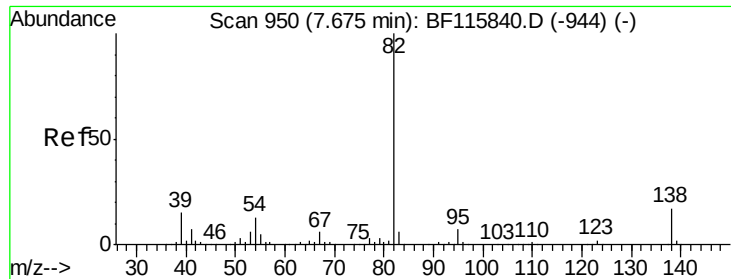
#23
Nitrobenzene-d5
Concen: 69.924 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Tgt Ion: 82	Resp: 606334
Ion Ratio	Lower Upper
82 100	
128 43.8	36.6 55.0
54 46.0	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: 36.568 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Instrument :

BNA_F

ClientSampleId :

2S-E1-E4-(30)COMP

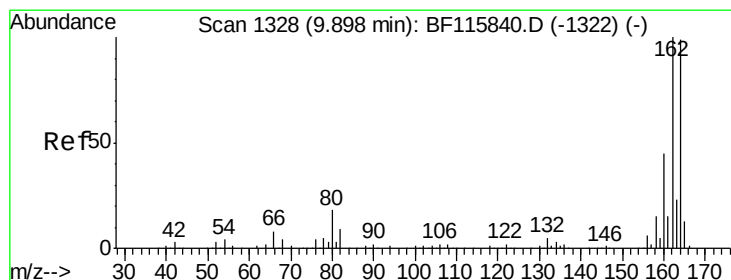
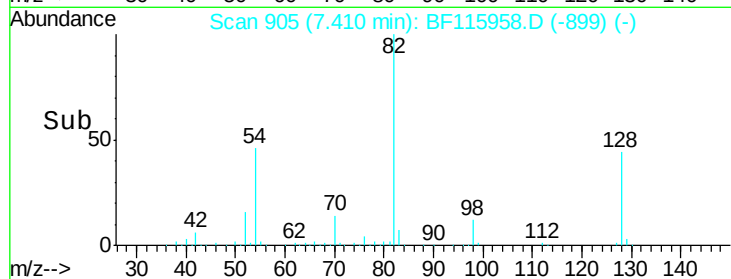
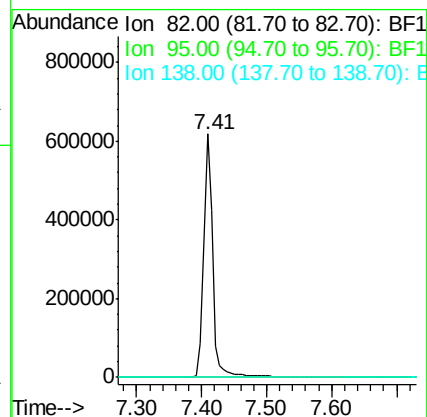
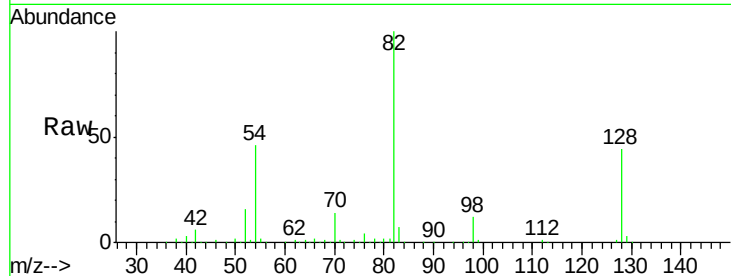
Tot Ion: 82 Resp: 606330

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.9 20.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

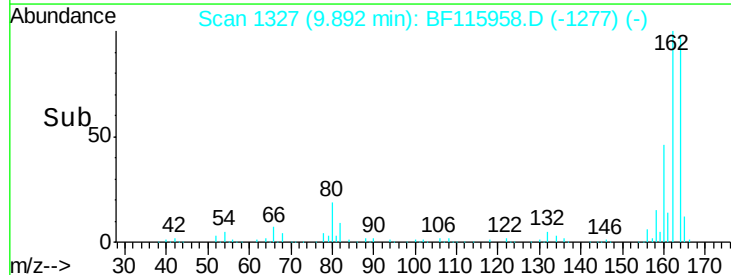
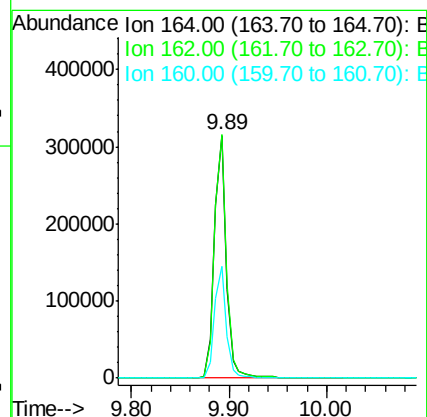
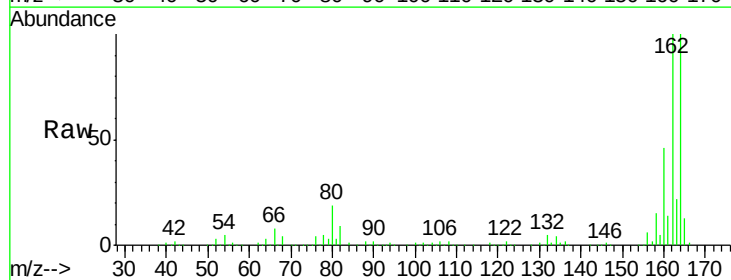
Tgt Ion: 164 Resp: 268234

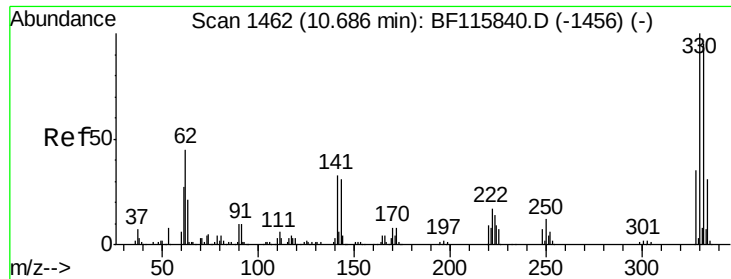
Ion Ratio Lower Upper

164 100

162 100.4 80.8 121.2

160 45.9 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 97.350 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Instrument :

BNA_F

ClientSampleId :

2S-E1-E4-(30)COMP

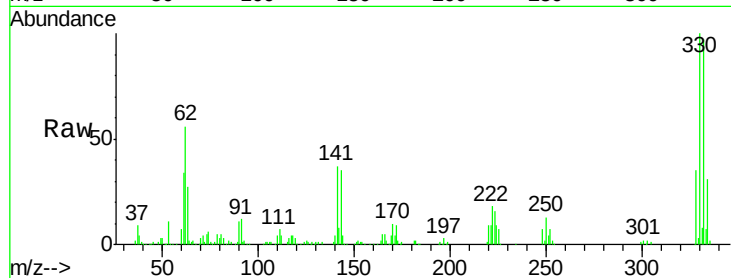
Tot Ion:330 Resp: 253170

Ion Ratio Lower Upper

330 100

332 96.6 77.7 116.5

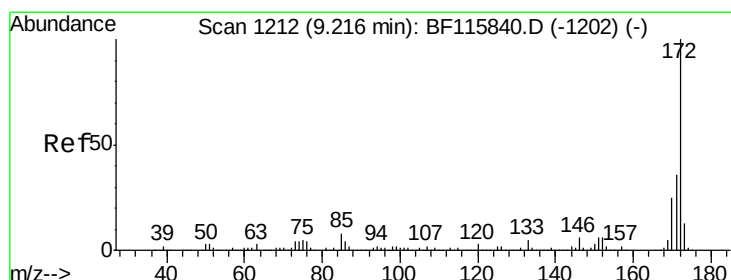
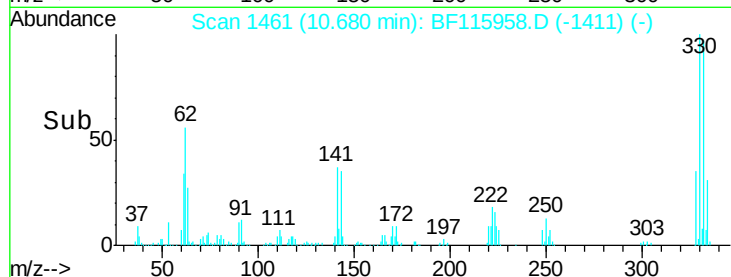
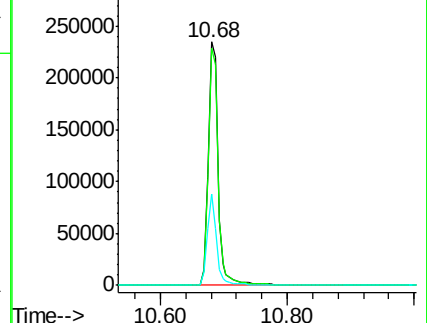
141 34.7 28.1 42.1



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: 72.650 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

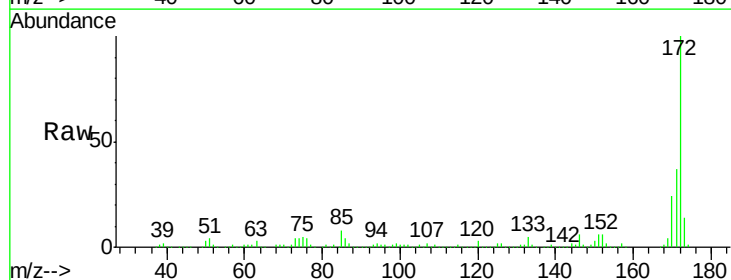
Tgt Ion:172 Resp: 1040393

Ion Ratio Lower Upper

172 100

171 36.8 29.1 43.7

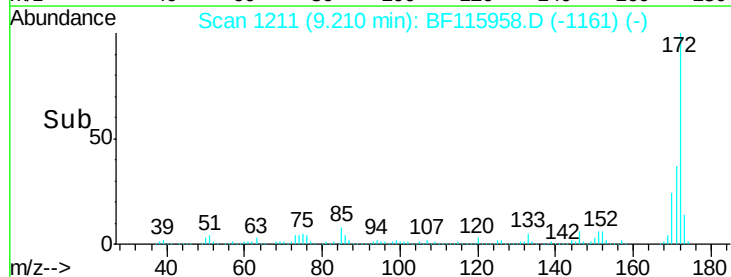
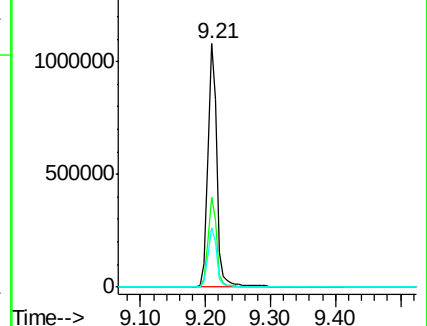
170 24.4 20.1 30.1

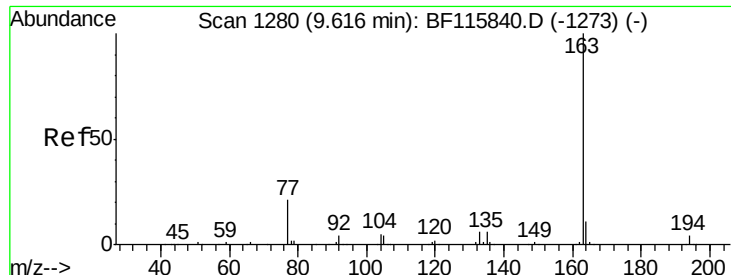


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

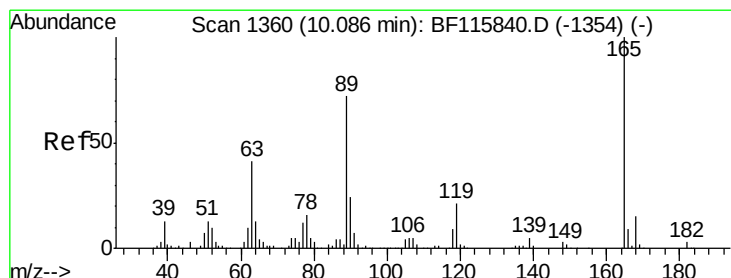
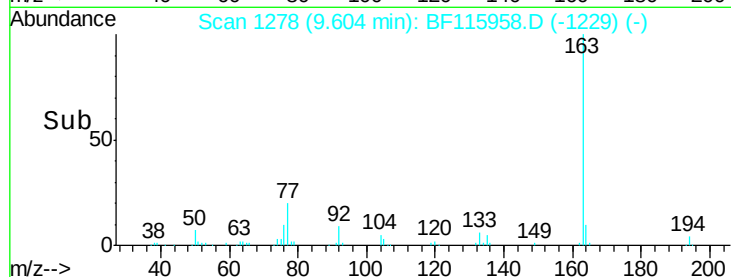
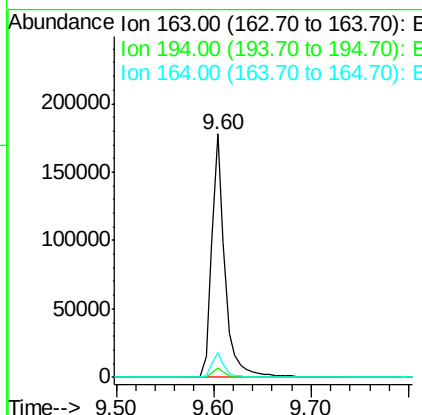
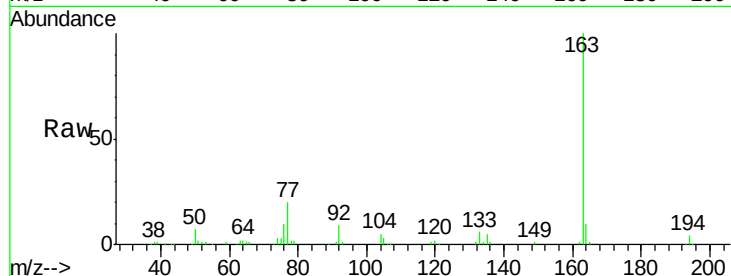




#50
Dimethylphthalate
Concen: 9.122 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

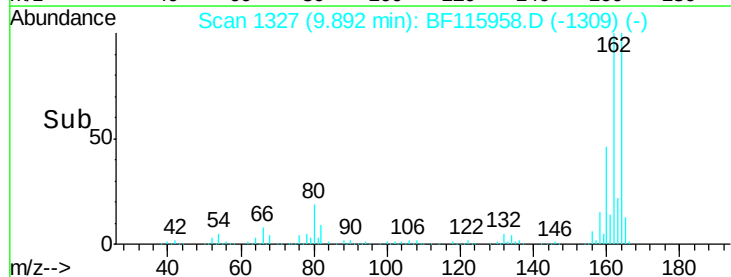
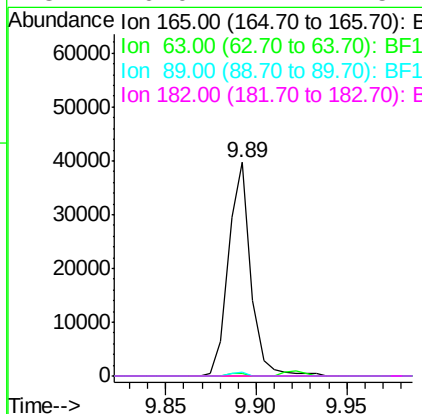
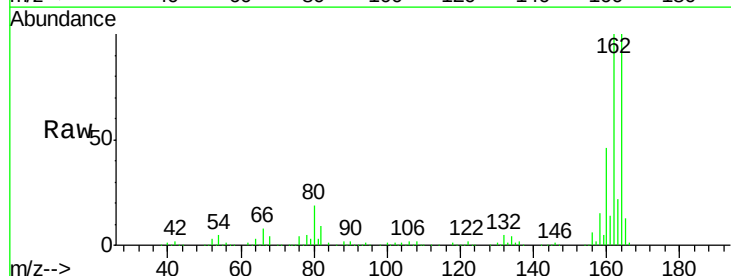
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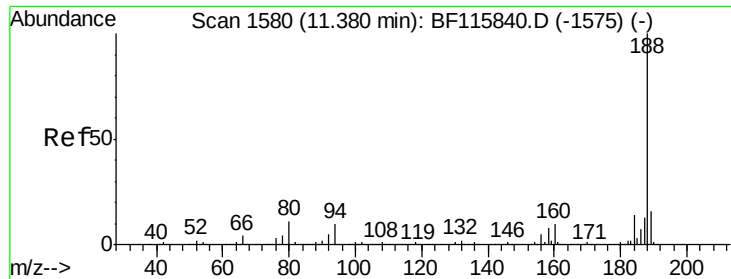
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.0	8.4	12.6



#57
2,4-Dinitrotoluene
Concen: 6.427 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	33.2	49.8#
89	1.8	57.3	85.9#
182	0.0	2.1	3.1#

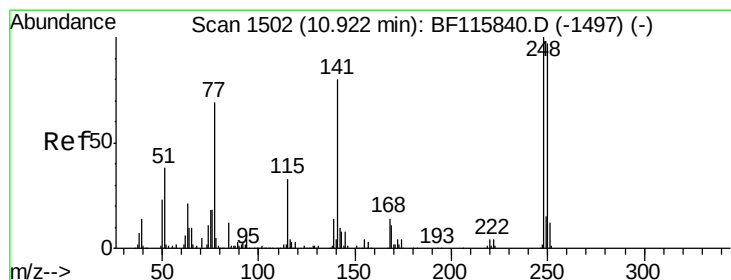
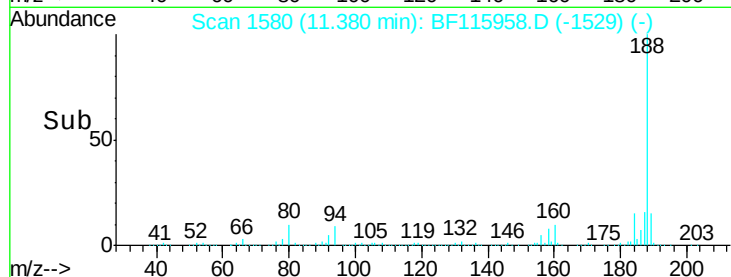
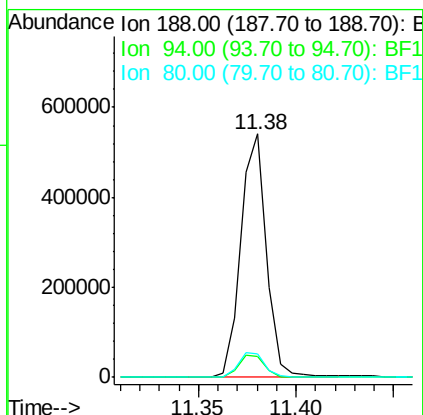
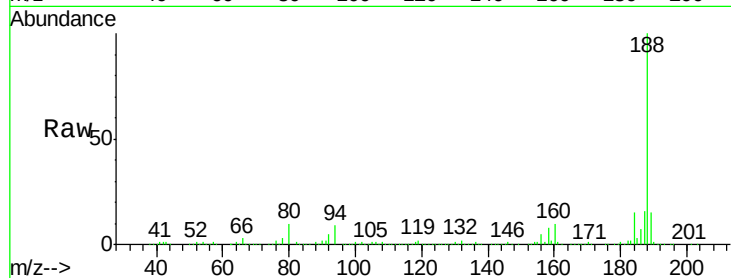




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

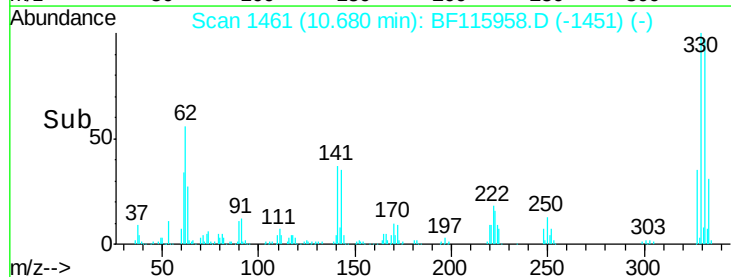
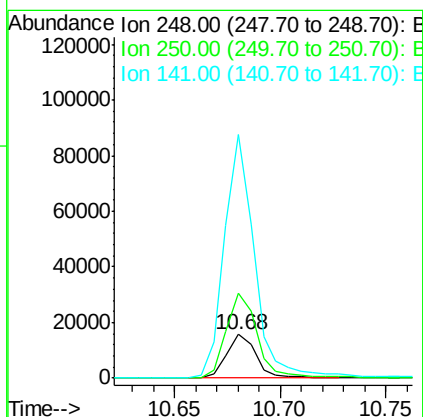
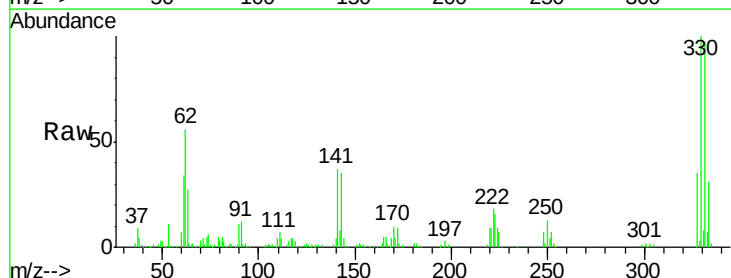
Instrument :
BNA_F
ClientSampleId :
2S-E1-E4-(30)COMP

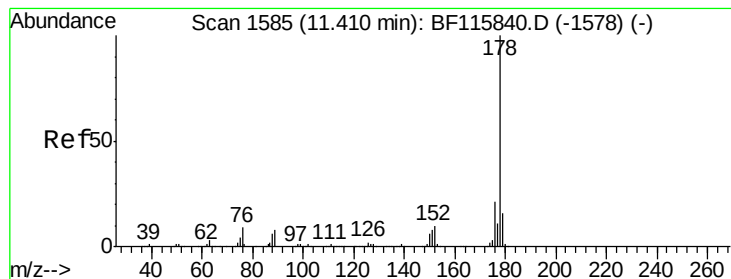
Tot Ion:188 Resp: 491703
Ion Ratio Lower Upper
188 100
94 8.8 8.0 12.0
80 9.8 8.6 12.8



#67
4-Bromophenyl-phenylether
Concen: 2.883 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Tgt Ion:248 Resp: 15175
Ion Ratio Lower Upper
248 100
250 195.3 77.8 116.6#
141 556.8 64.3 96.5#





#71

Phenanthrene

Concen: 9.321 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Instrument :

BNA_F

ClientSampleId :

2S-E1-E4-(30)COMP

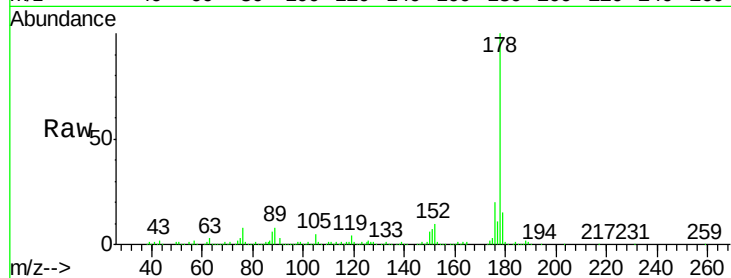
Tot Ion:178 Resp: 234308

Ion Ratio Lower Upper

178 100

176 19.9 16.5 24.7

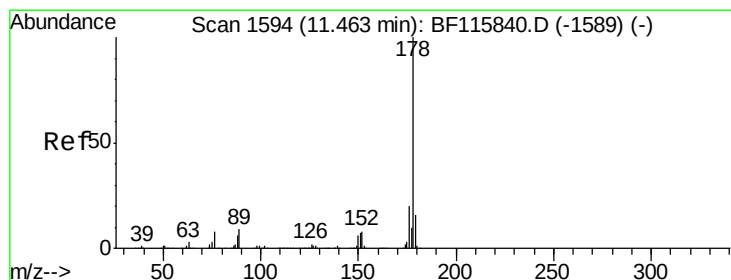
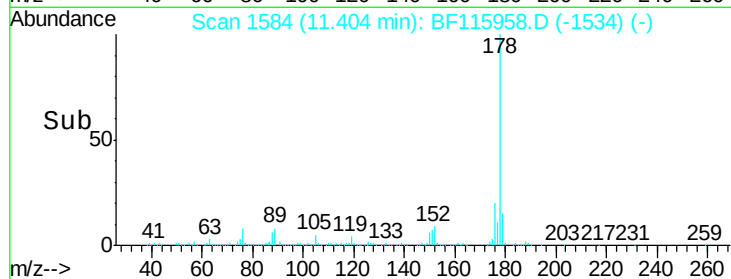
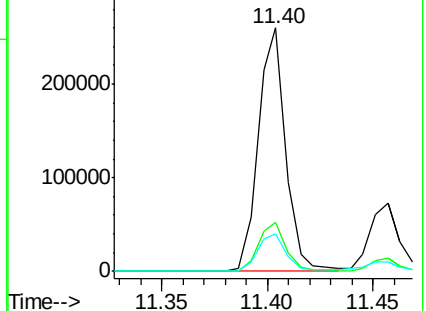
179 15.3 12.6 18.8



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: 2.620 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

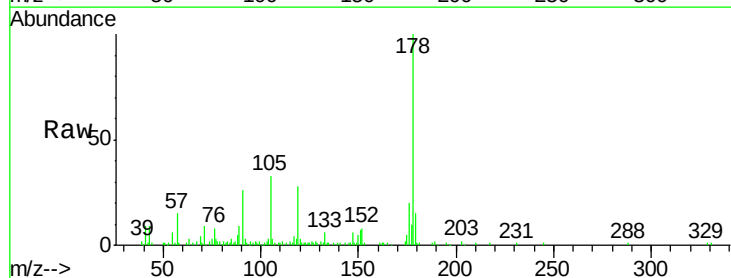
Tgt Ion:178 Resp: 66664

Ion Ratio Lower Upper

178 100

176 19.9 15.7 23.5

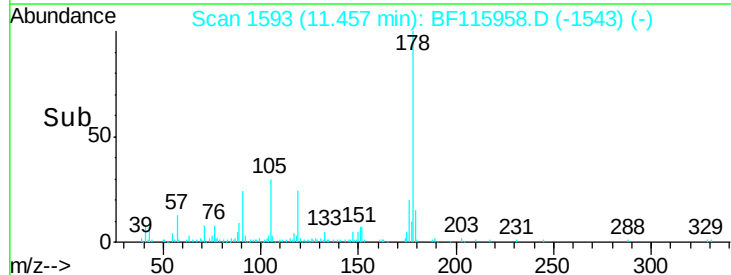
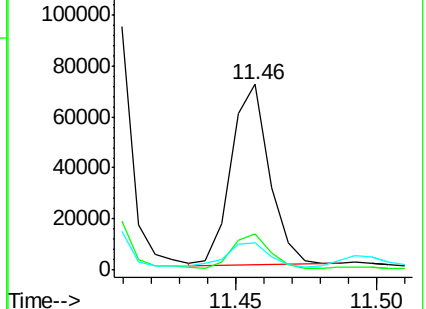
179 14.5 12.4 18.6

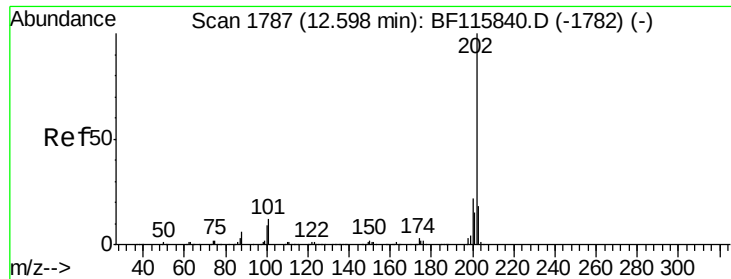


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 20.994 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Instrument :

BNA_F

ClientSampleId :

2S-E1-E4-(30)COMP

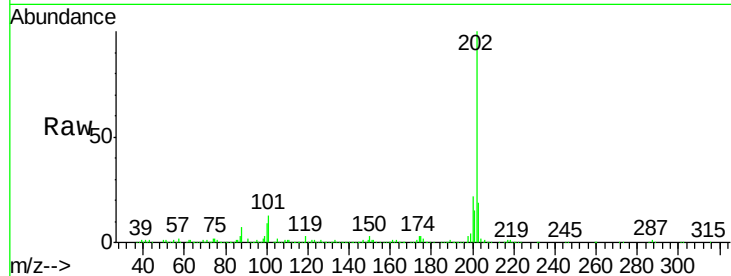
Tot Ion:202 Resp: 552471

Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.5

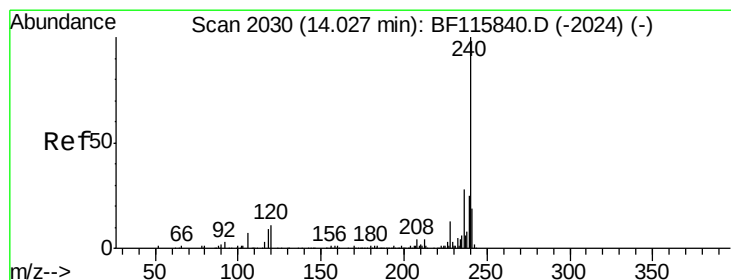
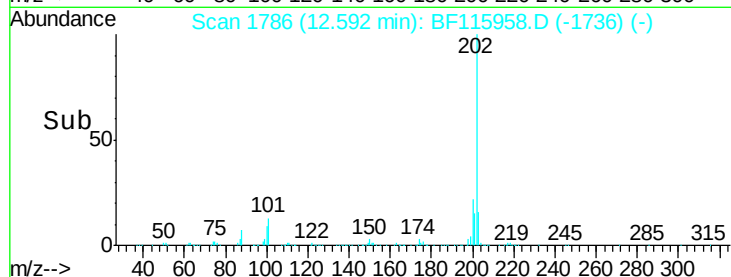
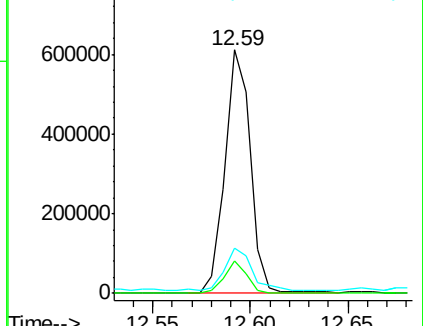
203 18.8 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

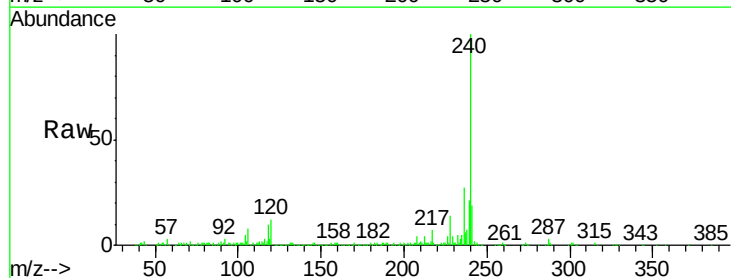
Tgt Ion:240 Resp: 398480

Ion Ratio Lower Upper

240 100

120 11.7 8.5 12.7

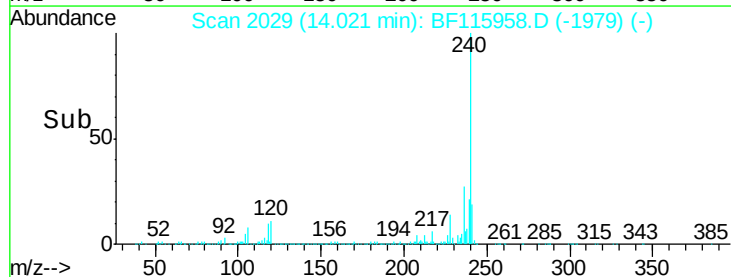
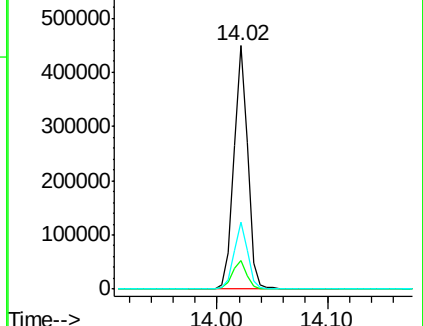
236 27.4 22.2 33.2

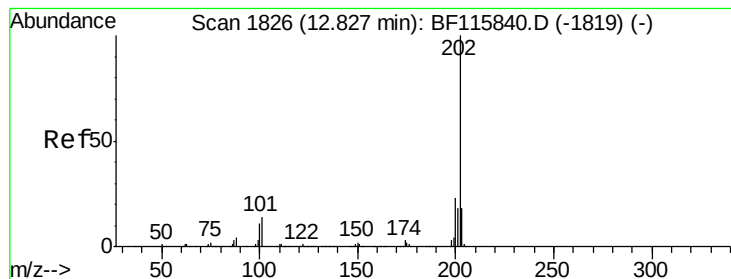


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 16.231 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Instrument :

BNA_F

ClientSampleId :

2S-E1-E4-(30)COMP

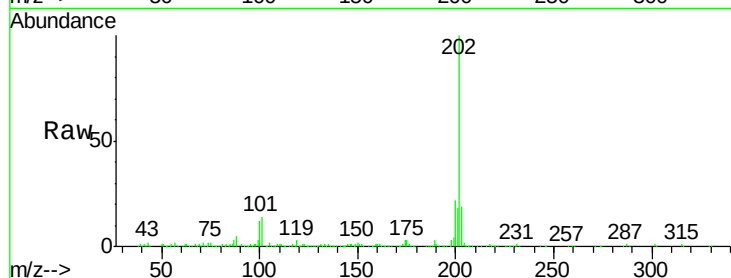
Tot Ion:202 Resp: 487545

Ion Ratio Lower Upper

202 100

200 21.5 18.2 27.2

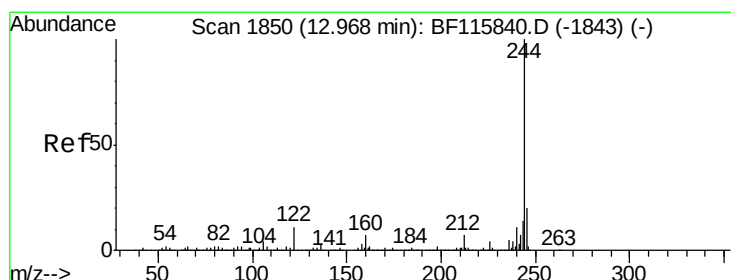
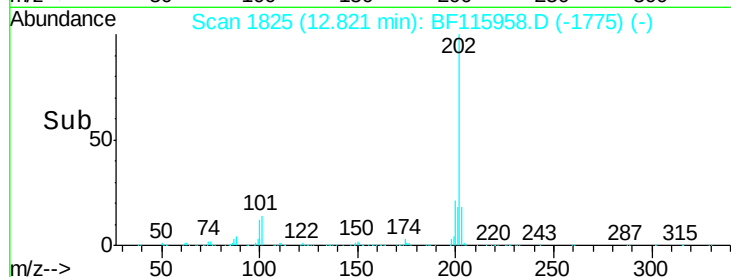
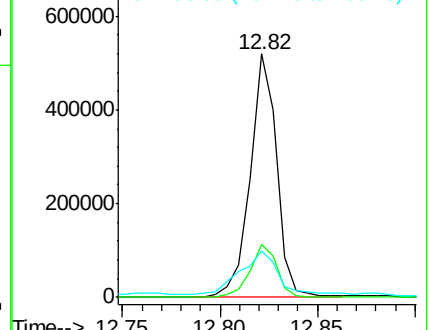
203 19.2 14.3 21.5



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: 65.736 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

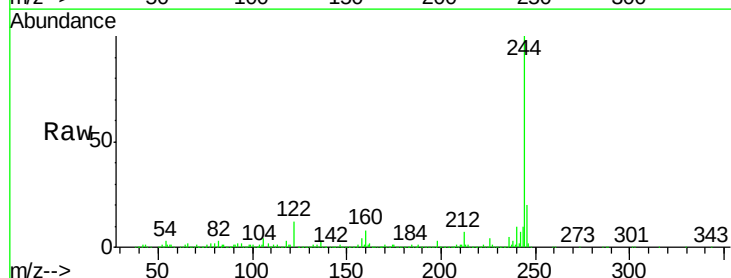
Tgt Ion:244 Resp: 1243109

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

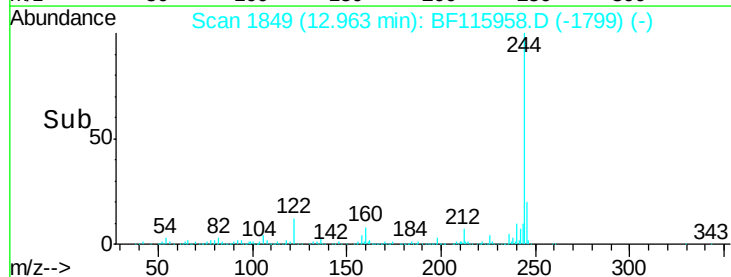
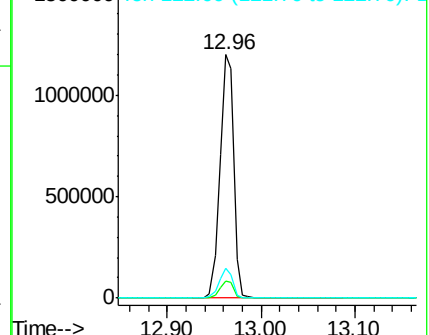
122 12.5 8.6 13.0

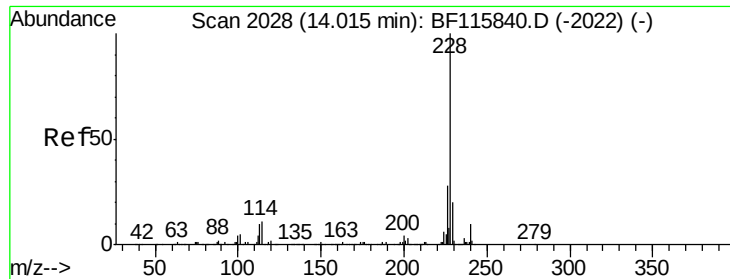


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

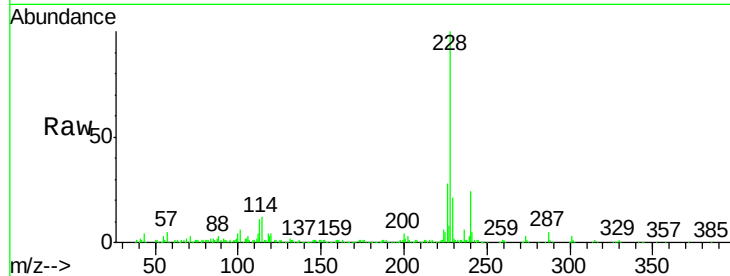




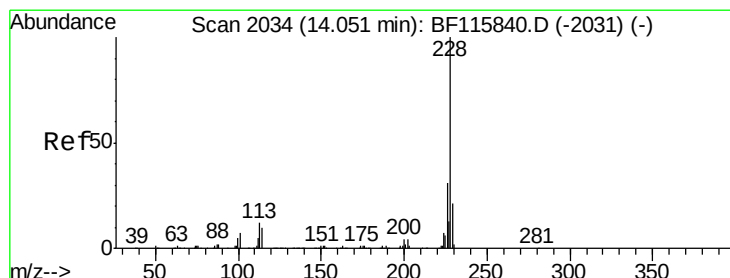
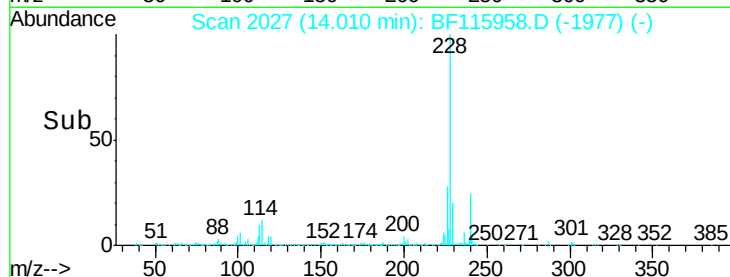
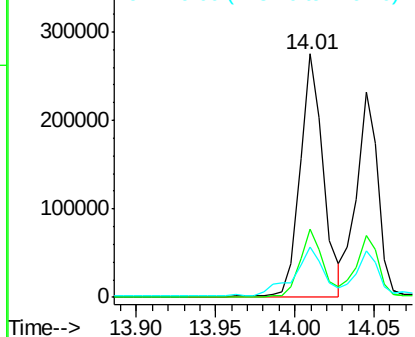
#81
Benzo(a)anthracene
Concen: 10.848 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Instrument :
BNA_F
ClientSampleId :
2S-E1-E4-(30)COMP

Tot Ion:228 Resp: 276282
Ion Ratio Lower Upper
228 100
226 28.0 22.5 33.7
229 20.9 16.1 24.1

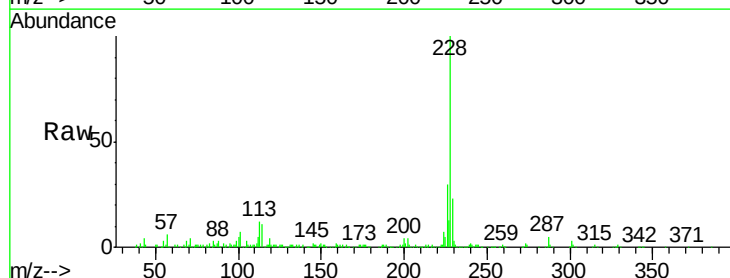


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

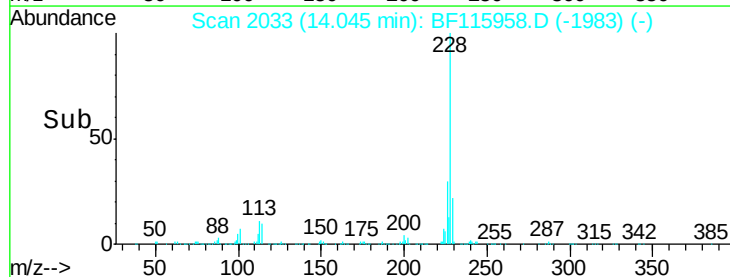
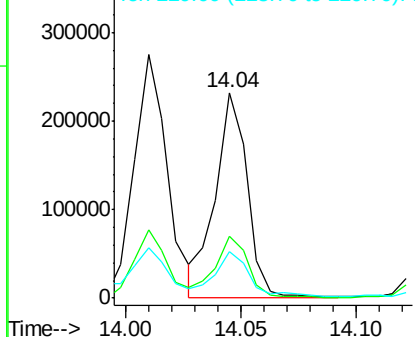


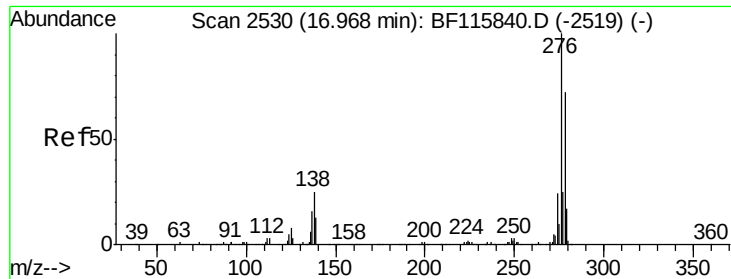
#83
Chrysene
Concen: 8.965 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Tgt Ion:228 Resp: 221665
Ion Ratio Lower Upper
228 100
226 30.0 24.8 37.2
229 22.9 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

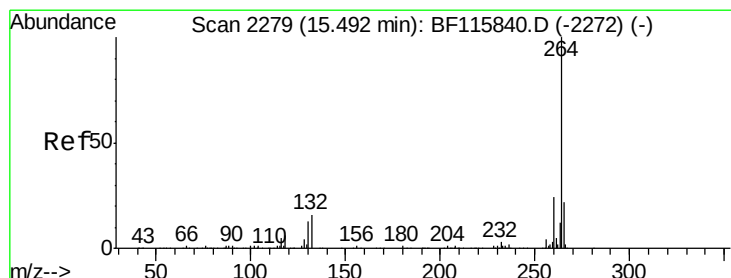
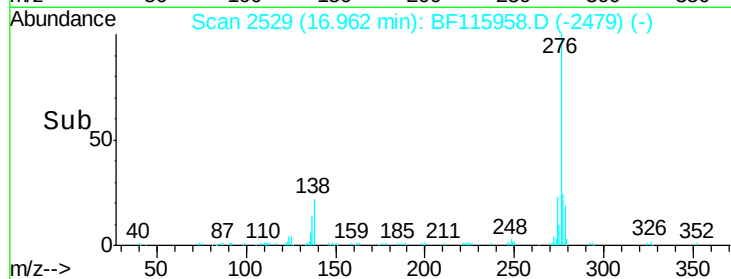
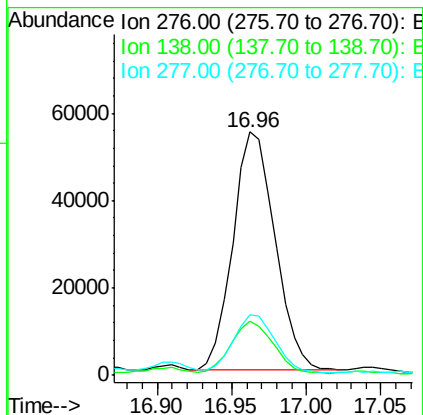
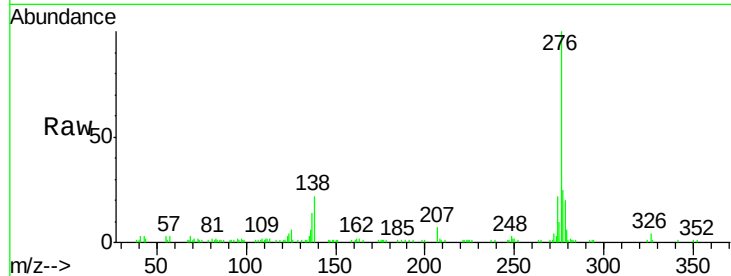




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.165 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BF115958.D
 Acq: 2 Aug 2019 20:31

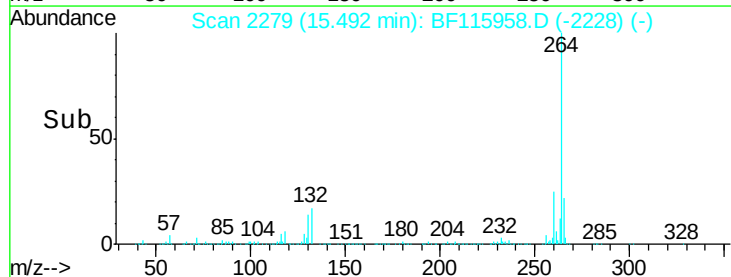
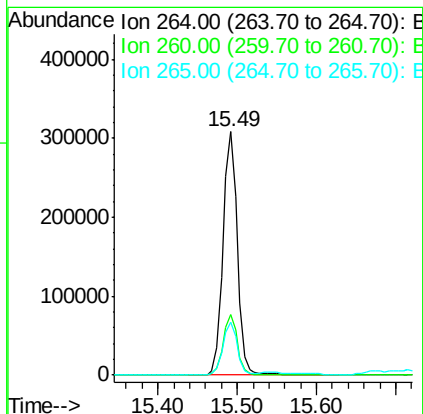
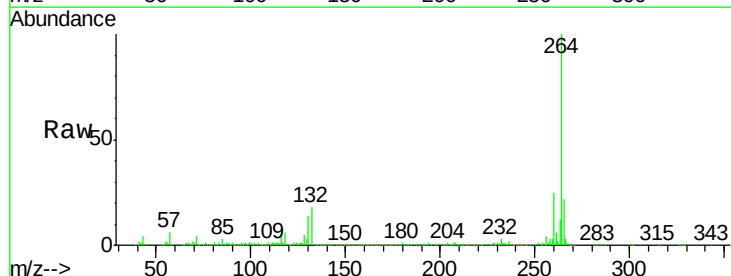
Instrument :
 BNA_F
 ClientSampleId :
 2S-E1-E4-(30)COMP

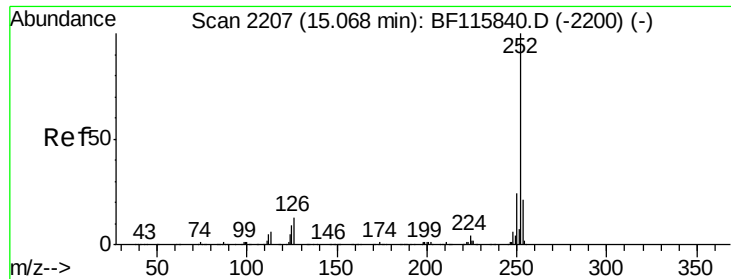
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	19.6	29.4
277	24.6	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BF115958.D
 Acq: 2 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	21.8	17.5	26.3

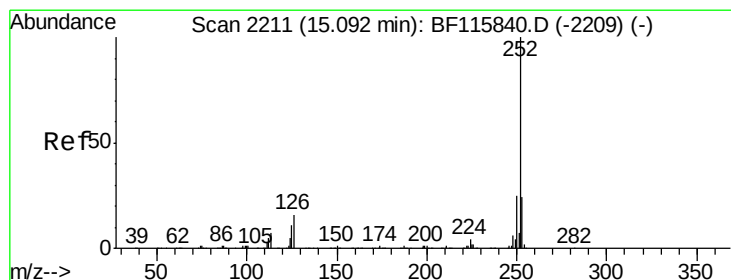
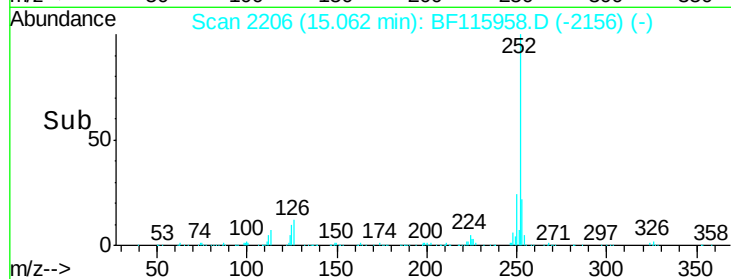
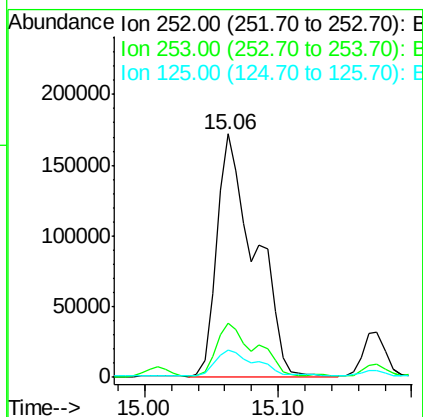
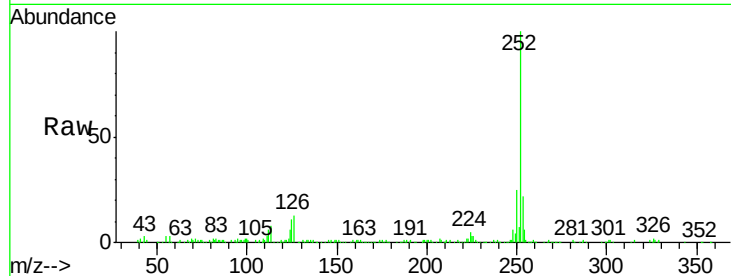




#88
Benzo(b)fluoranthene
Concen: 15.240 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

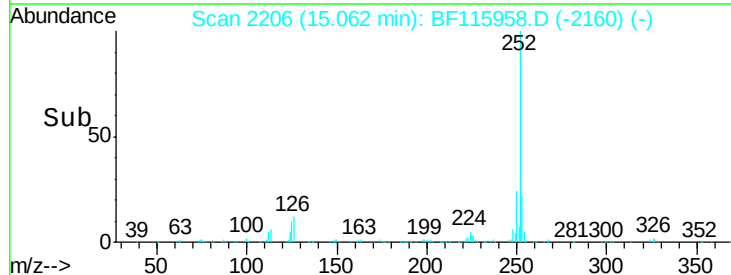
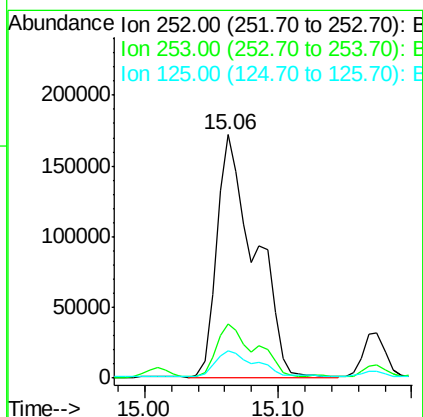
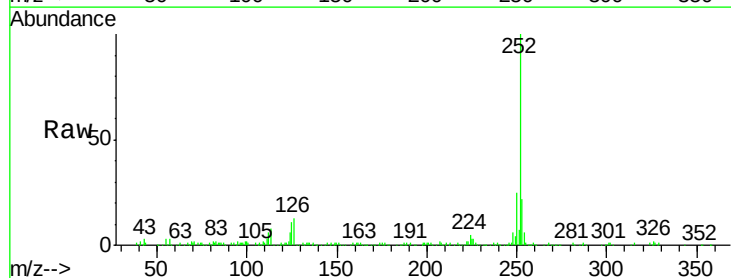
Instrument :
BNA_F
ClientSampleId :
2S-E1-E4-(30)COMP

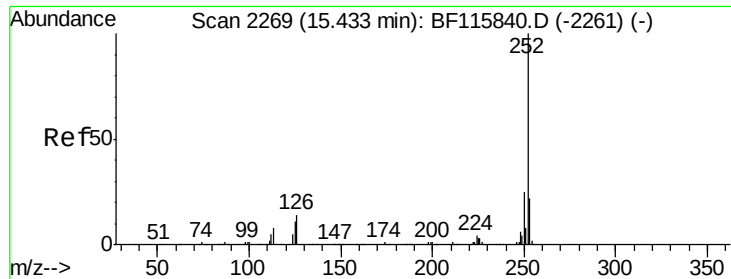
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	11.1	7.4	11.0



#89
Benzo(k)fluoranthene
Concen: 15.647 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	11.1	8.9	13.3

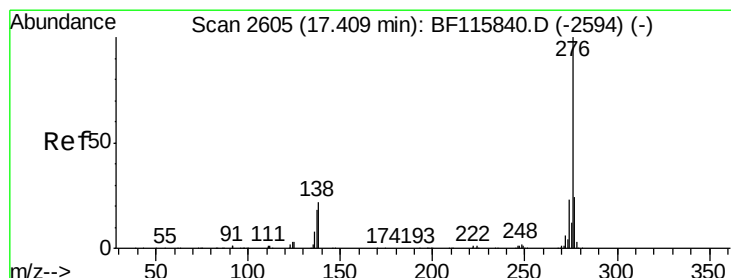
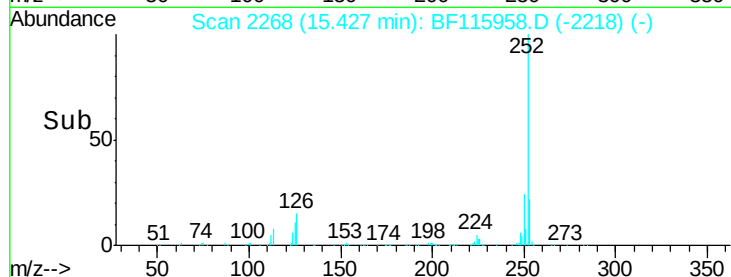
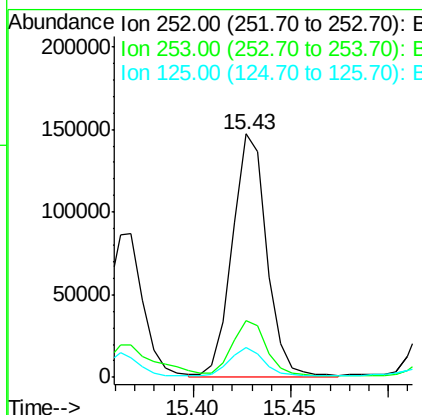
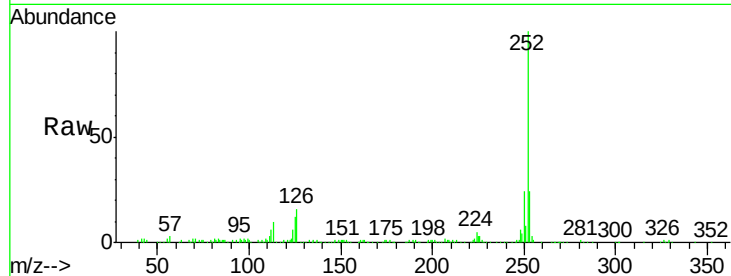




#90
Benzo(a)pyrene
Concen: 8.993 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Instrument :
BNA_F
ClientSampleId :
2S-E1-E4-(30)COMP

Tot Ion:252 Resp: 179598
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 12.1 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 5.914 ng
RT: 17.41 min Scan# 2605
Delta R.T. -0.00 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Tgt Ion:276 Resp: 100405
Ion Ratio Lower Upper
276 100
277 24.5 19.5 29.3
138 23.1 17.8 26.8

