

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081319\
 Data File : BF116253.D
 Acq On : 14 Aug 2019 1:44
 Operator : HP/JU
 Sample : K4319-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 14 05:30:02 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	133072	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	530305	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	276521	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	462301	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	302743	20.00	ng	0.00
87) Perylene-d12	15.47	264	315862	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	809438	101.83	ng	0.01
7) Phenol-d6	6.49	99	1091841	108.87	ng	0.00
23) Nitrobenzene-d5	7.40	82	654977	71.29	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	273564	102.04	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1079407	73.12	ng	-0.02
79) Terphenyl-d14	12.94	244	1014219	70.59	ng	-0.01

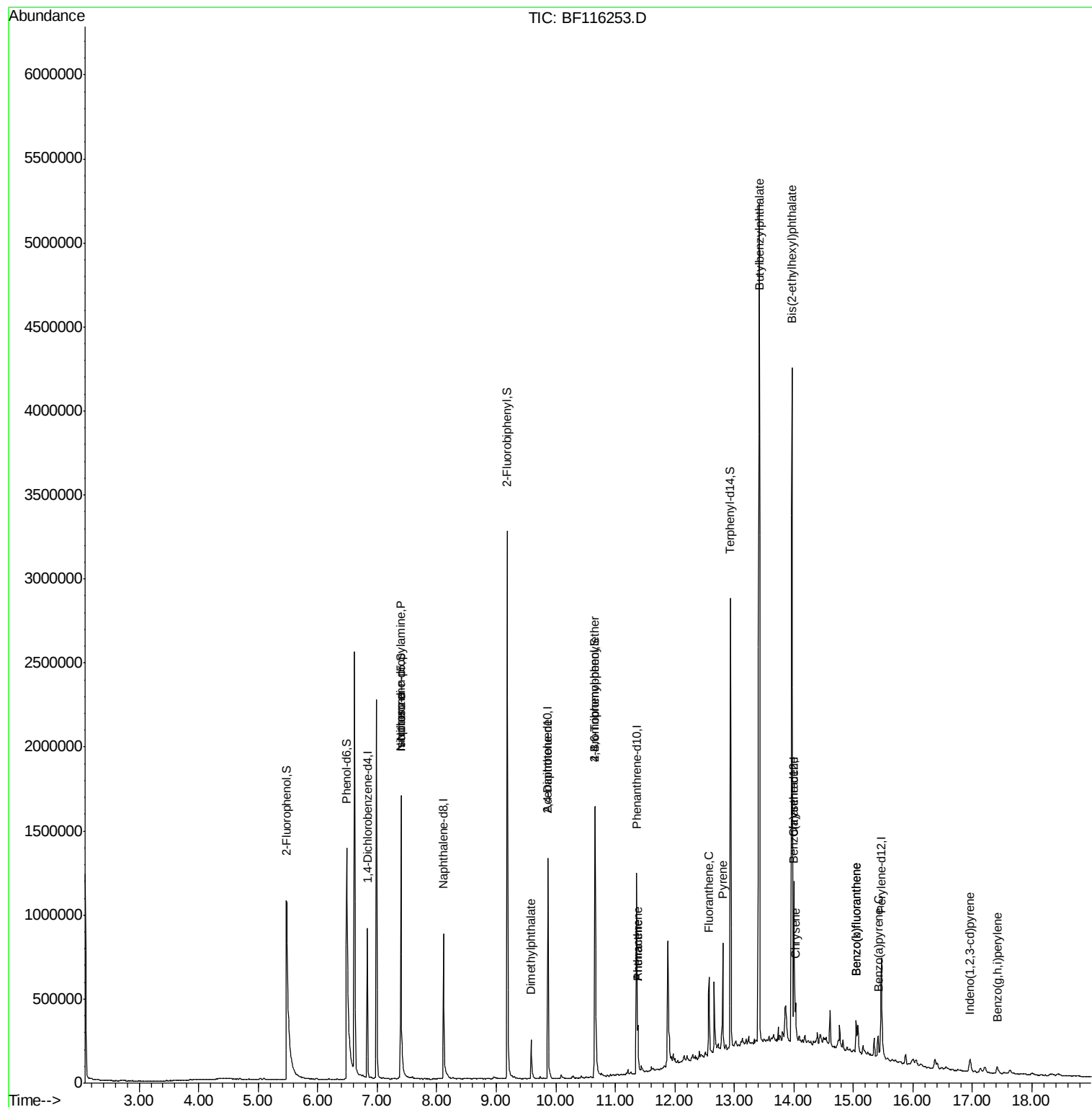
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	87810	14.129	ng	# 79
25) Isophorone	7.40	82	654974	37.284	ng	# 65
50) Dimethylphthalate	9.59	163	132155	7.019	ng	98
57) 2,4-Dinitrotoluene	9.87	165	35427	6.503	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	16292	3.292	ng	# 1
71) Phenanthrene	11.38	178	102787	4.349	ng	99
72) Anthracene	11.38	178	102787	4.297	ng	99
75) Fluoranthene	12.57	202	194554	7.863	ng	100
78) Pyrene	12.80	202	169910	7.445	ng	98
80) Butylbenzylphthalate	13.42	149	1759553	182.271	ng	95
81) Benzo(a)anthracene	13.99	228	79379	4.102	ng	96
83) Chrysene	14.03	228	89247	4.751	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	1226939	97.806	ng	# 99
86) Indeno(1,2,3-cd)pyrene	16.96	276	44090	2.794	ng	# 93
88) Benzo(b)fluoranthene	15.05	252	152721	8.362	ng	# 97
89) Benzo(k)fluoranthene	15.05	252	152721	8.585	ng	# 97
90) Benzo(a)pyrene	15.42	252	68685	4.207	ng	# 96
92) Benzo(a,h,i)perylene	17.42	276	42058	3.030	ng	94

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

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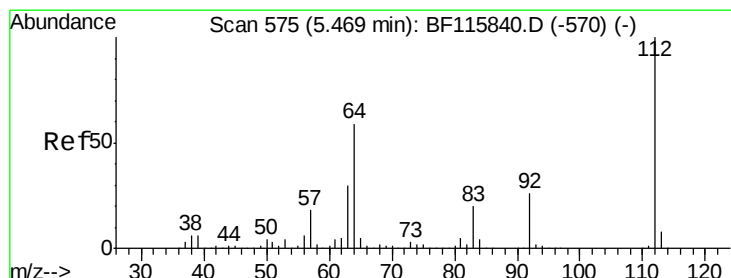
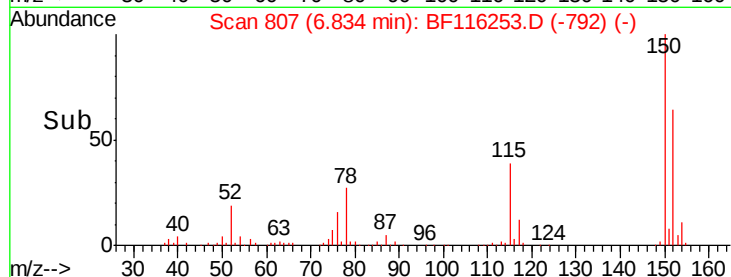
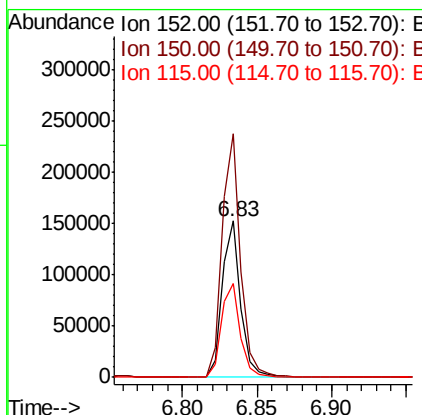
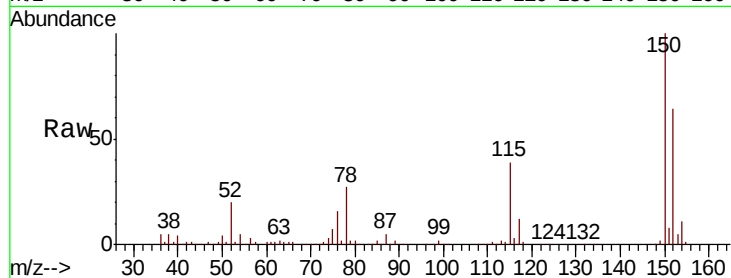




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF116253.D
 Acq: 14 Aug 2019 1:44

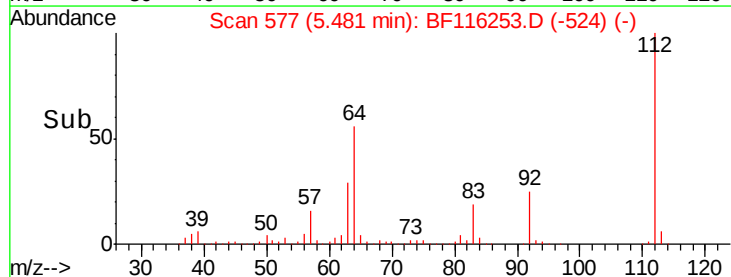
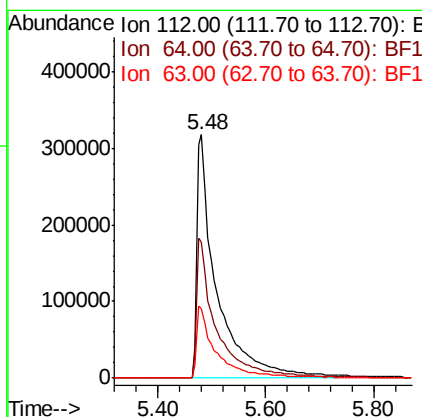
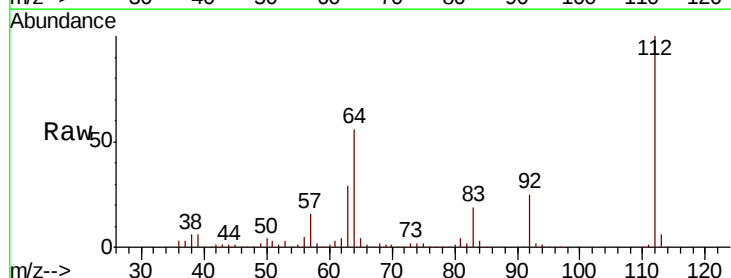
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 133072
 Ion Ratio Lower Upper
 152 100
 150 155.6 126.2 189.2
 115 60.3 49.9 74.9



#5
 2-Fluorophenol
 Concen: 101.828 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: BF116253.D
 Acq: 14 Aug 2019 1:44

Tgt Ion:112 Resp: 809438
 Ion Ratio Lower Upper
 112 100
 64 55.8 45.4 68.2
 63 28.6 23.7 35.5





#7

Phenol-d6

Concen: 108.867 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

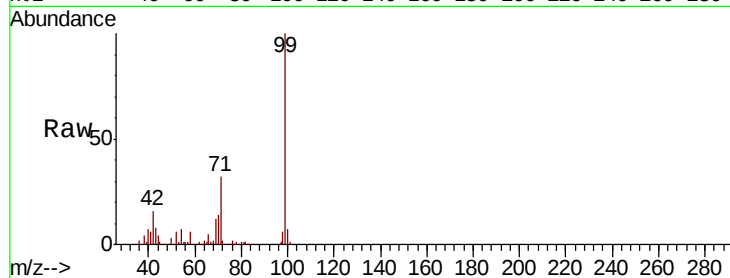
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1091841

Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.8	20.8
71	32.4	27.3	40.9

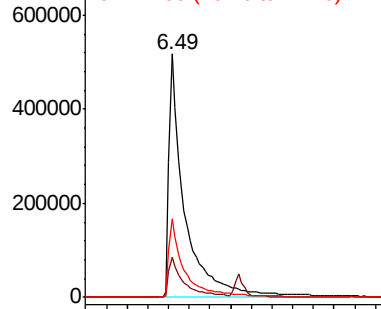


Abundance

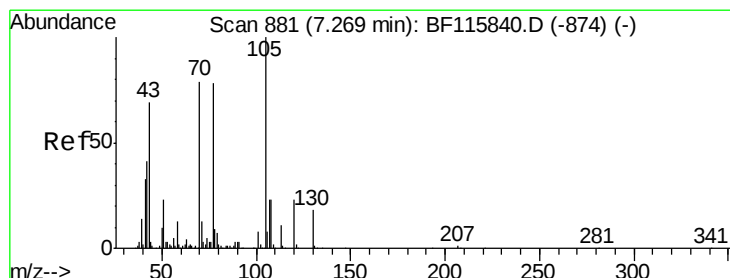
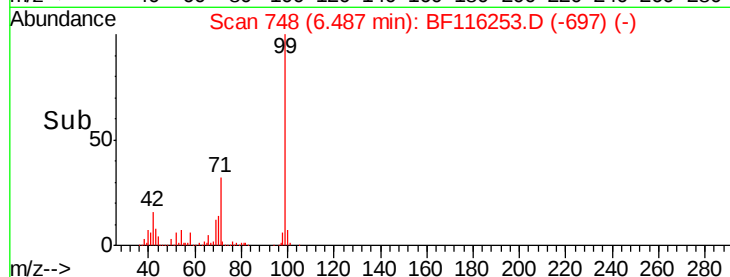
Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 14.129 ng

RT: 7.40 min Scan# 903

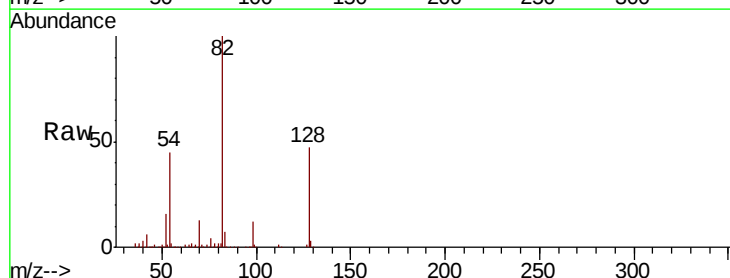
Delta R.T. 0.13 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

Tgt Ion: 70 Resp: 87810

Ion	Ratio	Lower	Upper
70	100		
42	42.7	40.9	61.3
101	0.0	7.9	11.9#
130	2.4	16.9	25.3#



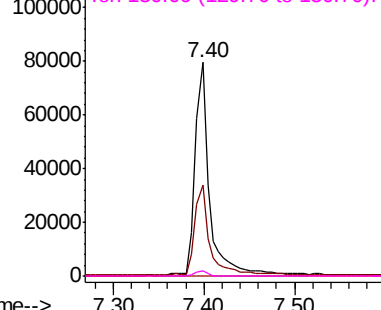
Abundance

Ion 70.00 (69.70 to 70.70): BF1

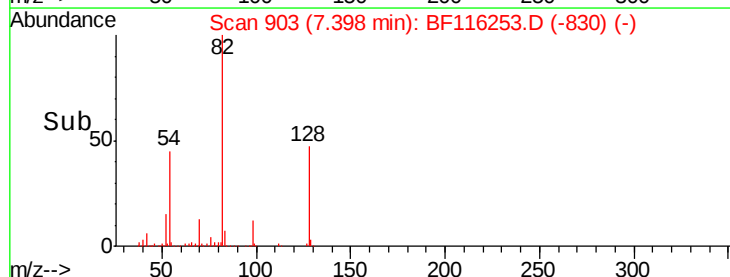
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 530305

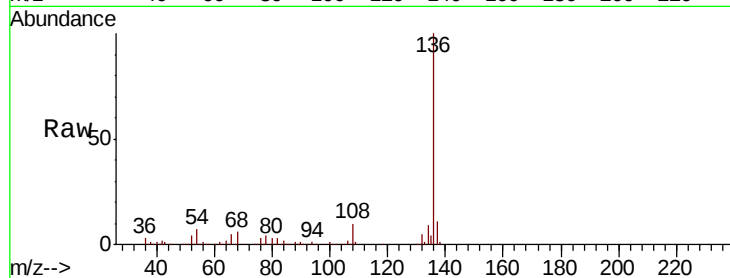
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 6.6 5.8 8.6

68 5.9 5.2 7.8

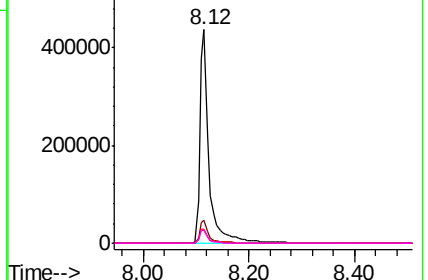
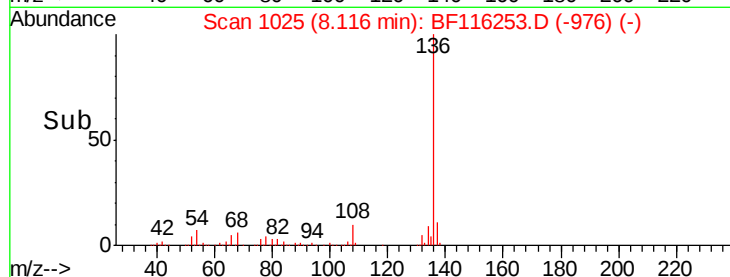


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.294 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

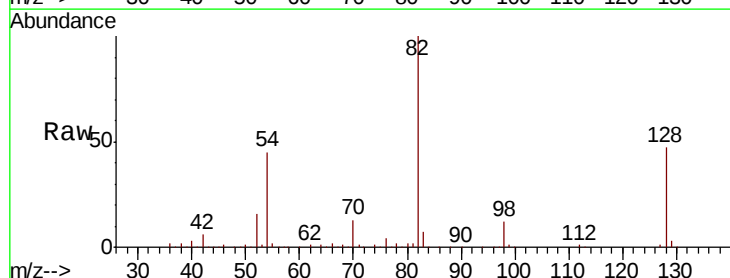
Tgt Ion: 82 Resp: 654977

Ion Ratio Lower Upper

82 100

128 46.8 36.5 54.7

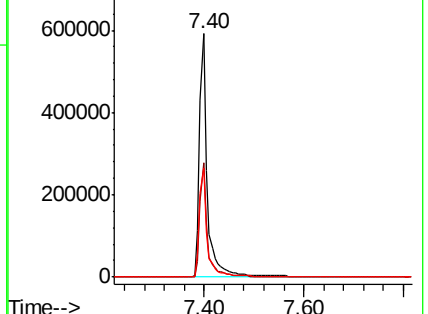
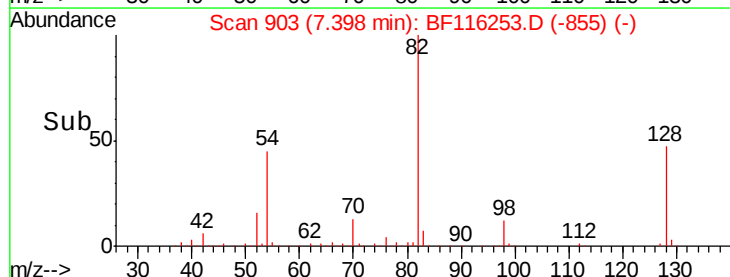
54 45.0 36.0 54.0



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: 37.284 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

Instrument :

BNA_F

ClientSampleId :

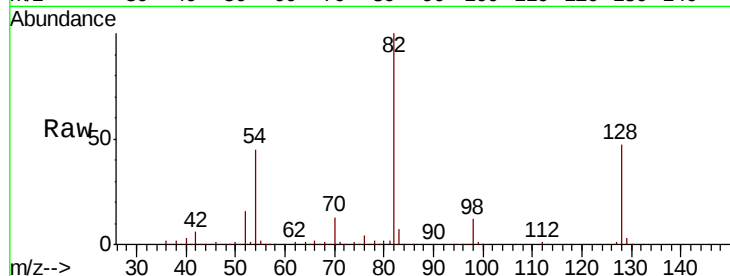
Tot Ion: 82 Resp: 654974

Ion Ratio Lower Upper

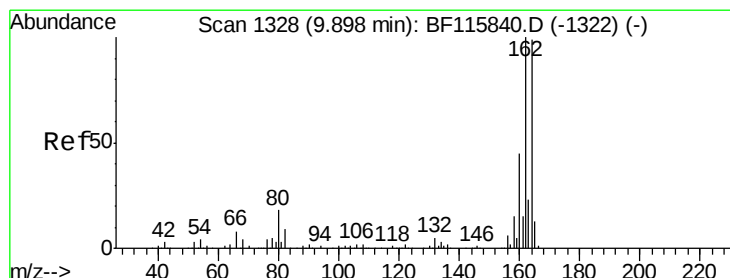
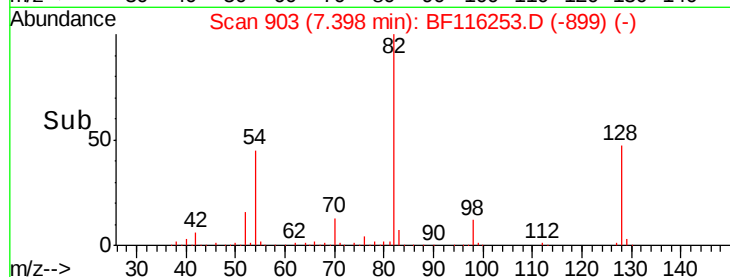
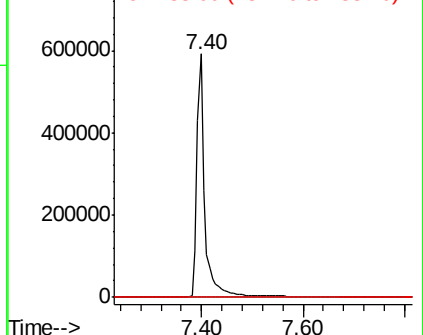
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

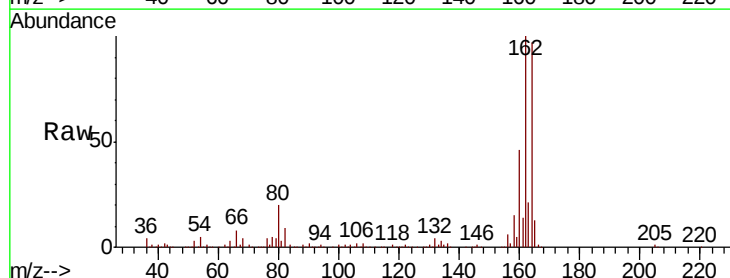
Tgt Ion: 164 Resp: 276521

Ion Ratio Lower Upper

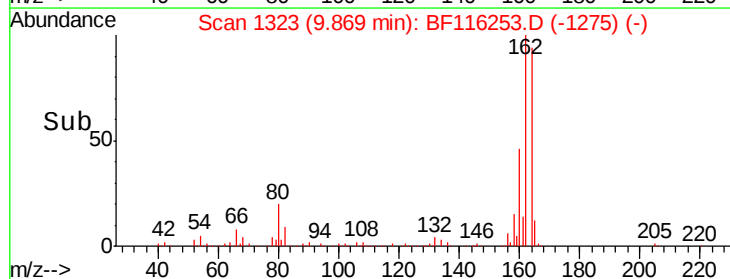
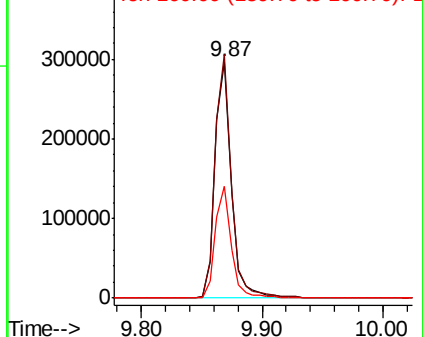
164 100

162 103.1 82.6 124.0

160 47.1 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: 102.040 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

Instrument :

BNA_F

ClientSampleId :

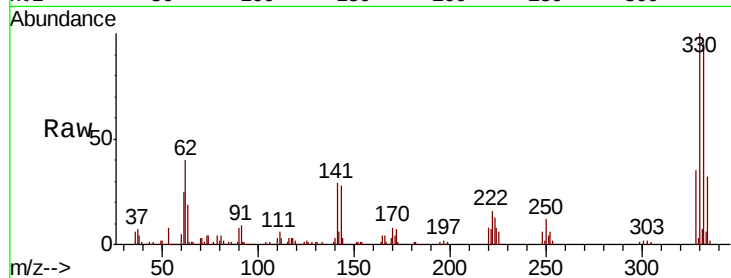
Tot Ion:330 Resp: 273564

Ion Ratio Lower Upper

330 100

332 95.3 76.8 115.2

141 34.7 26.3 39.5

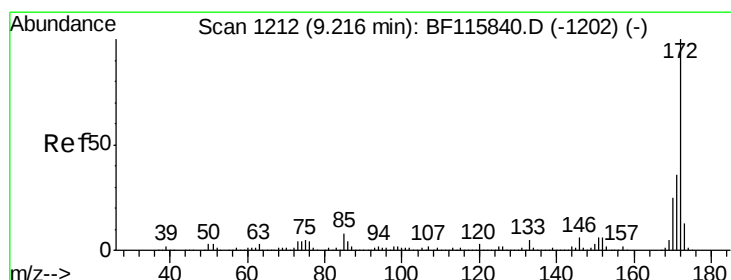
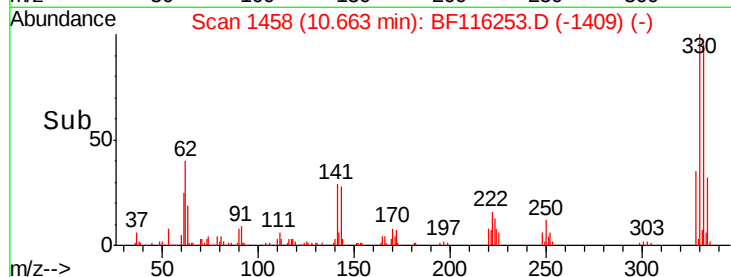
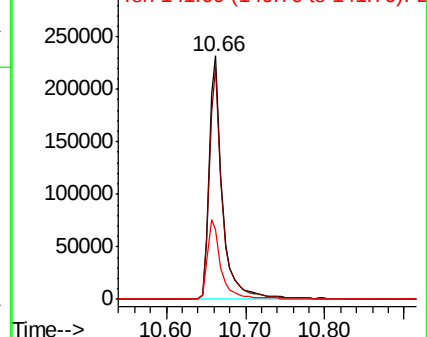


Abundance

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: 73.116 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

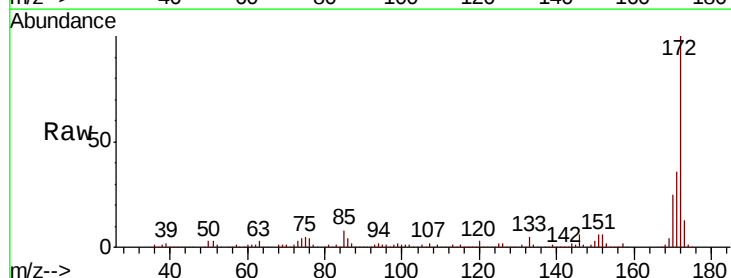
Tgt Ion:172 Resp: 1079407

Ion Ratio Lower Upper

172 100

171 36.3 29.6 44.4

170 25.0 20.1 30.1

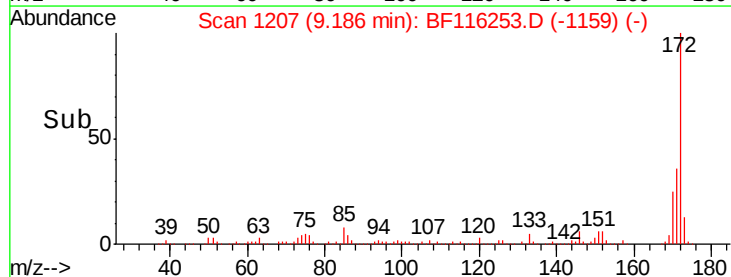
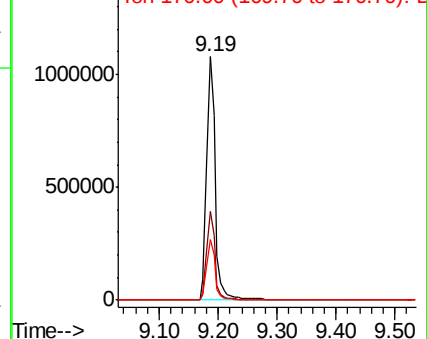


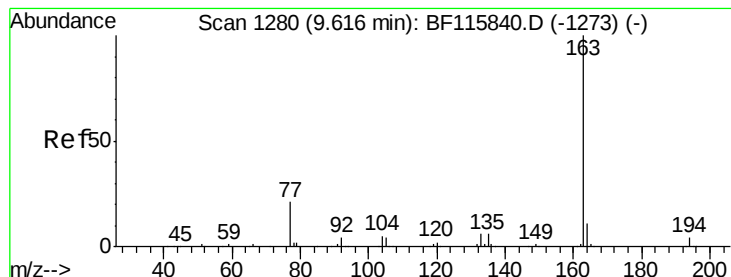
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.019 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

Instrument :

BNA_F

ClientSampled :

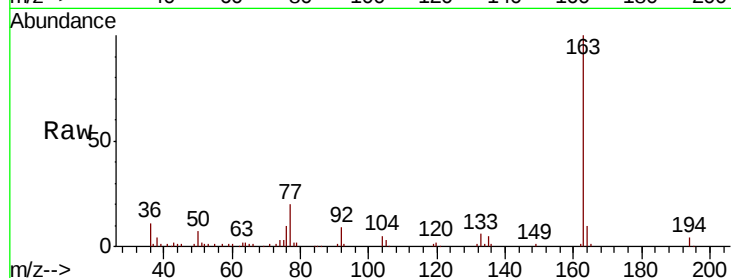
Tot Ion:163 Resp: 132155

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

164 9.6 8.4 12.6

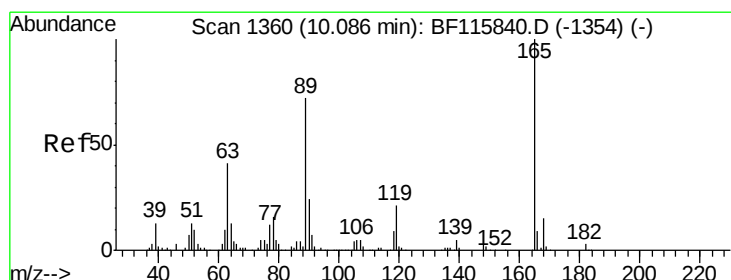
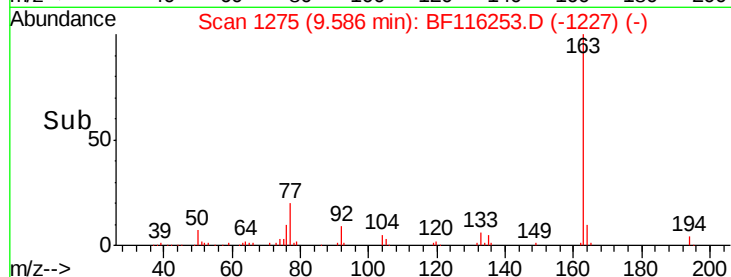
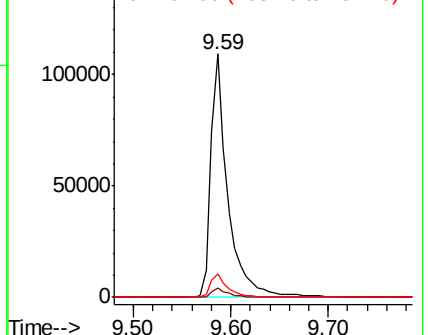


Abundance

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: 6.503 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

Tgt Ion:165 Resp: 35427

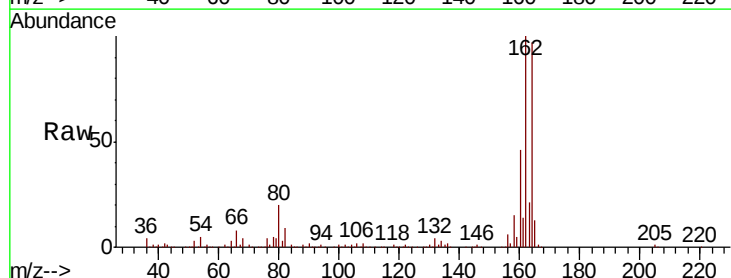
Ion Ratio Lower Upper

165 100

63 1.3 39.6 59.4#

89 1.4 62.2 93.2#

182 0.0 2.1 3.1#



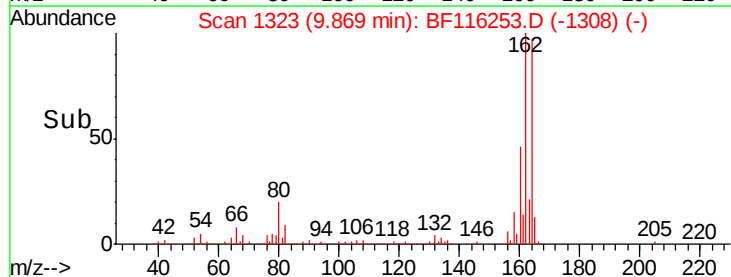
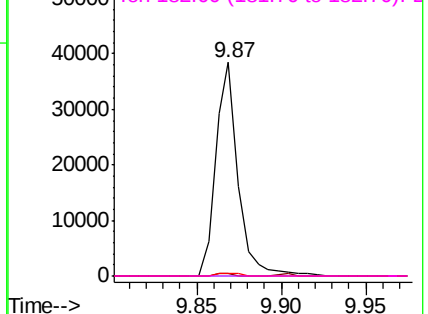
Abundance

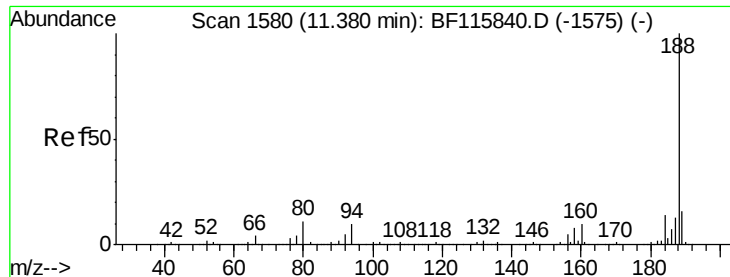
Ion 165.00 (164.70 to 165.70): E

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: BF116253.D

Acq: 14 Aug 2019 1:44

Instrument :

BNA_F

ClientSampleId :

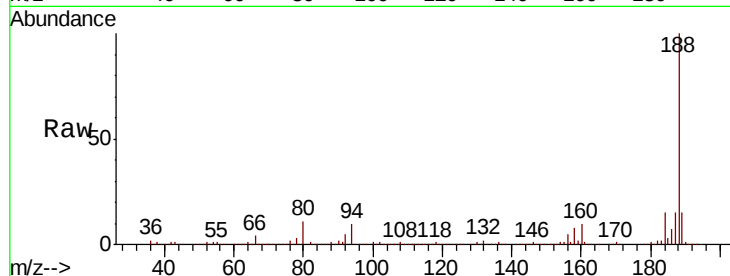
Tot Ion:188 Resp: 462301

Ion Ratio Lower Upper

188 100

94 9.6 8.1 12.1

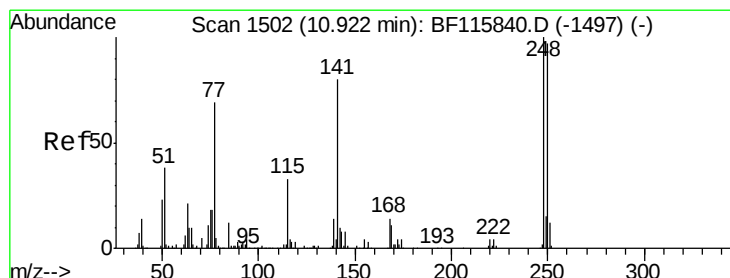
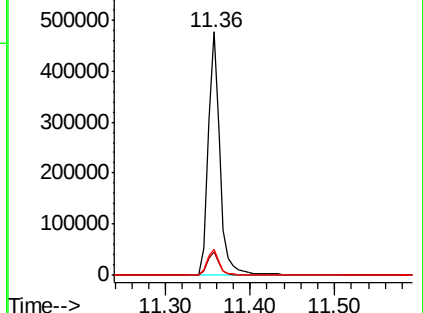
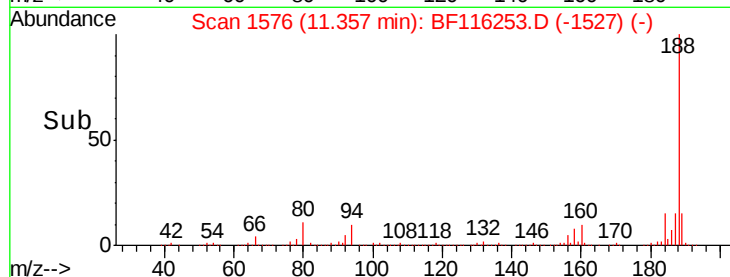
80 10.6 8.7 13.1



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: 3.292 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

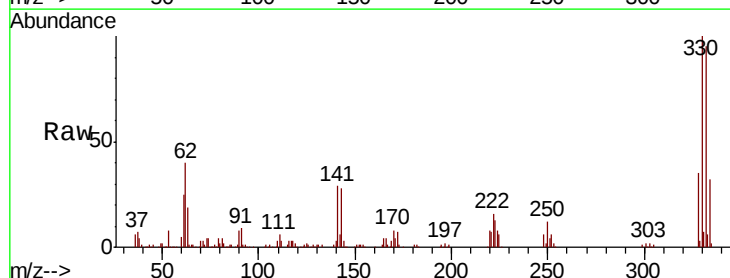
Tgt Ion:248 Resp: 16292

Ion Ratio Lower Upper

248 100

250 197.1 77.4 116.2#

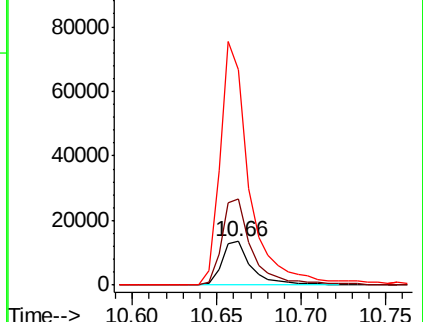
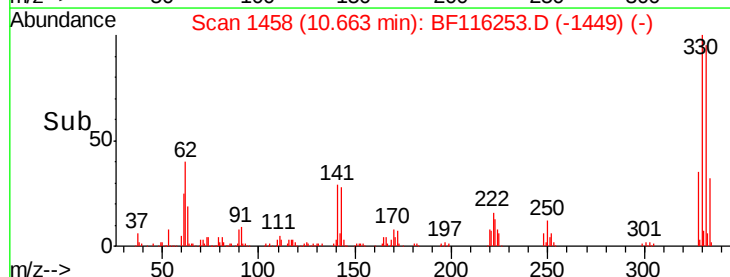
141 490.1 56.8 85.2#

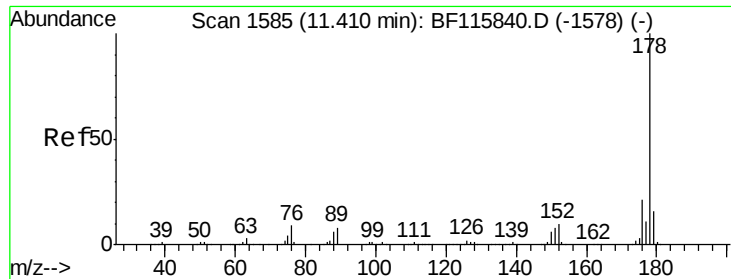


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

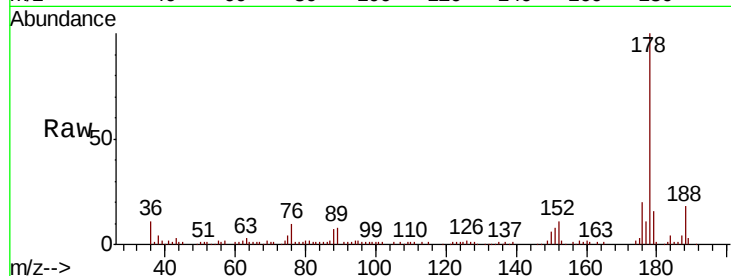




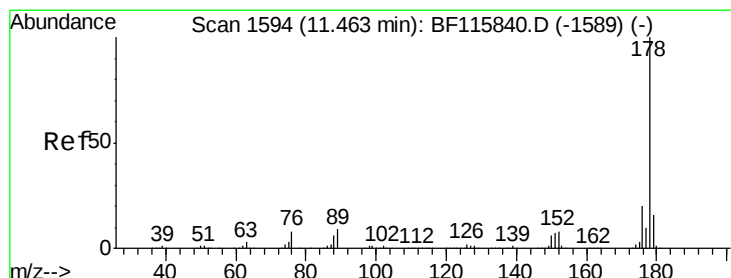
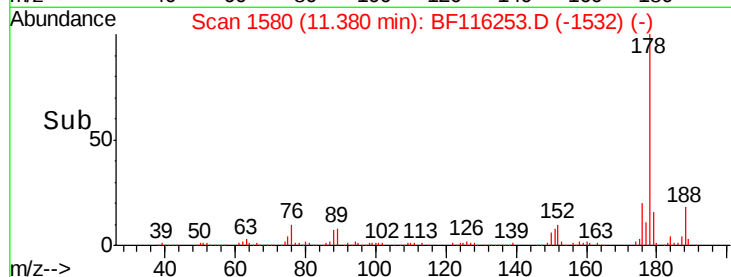
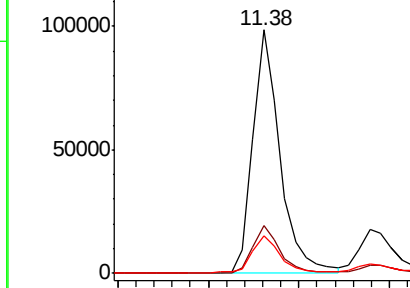
#71
Phenanthrene
Concen: 4.349 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.6	24.8
179	15.6	12.5	18.7

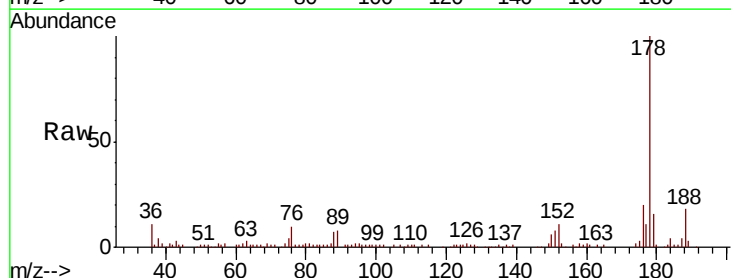


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

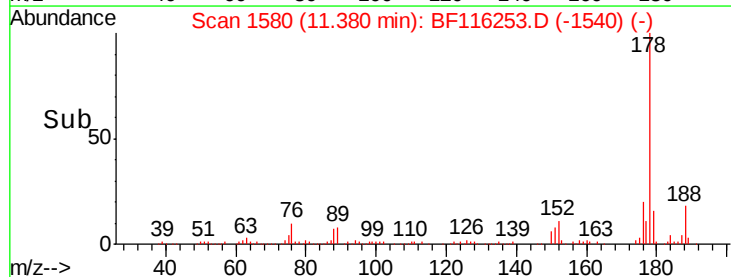
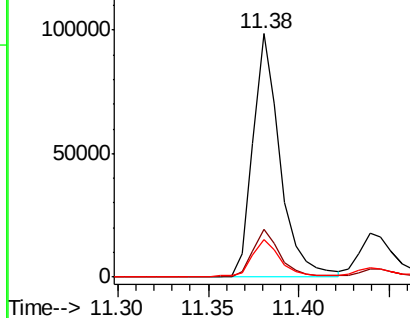


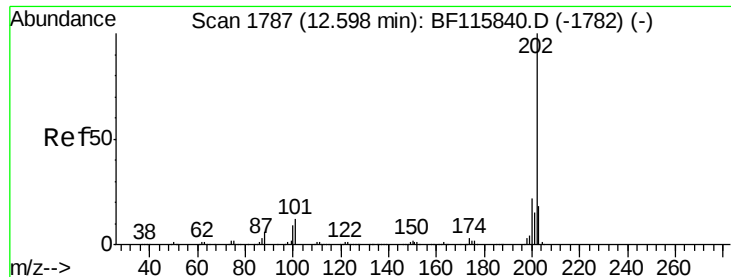
#72
Anthracene
Concen: 4.297 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.06 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.6	13.0	19.6



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: 7.863 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

Instrument :

BNA_F

ClientSampled :

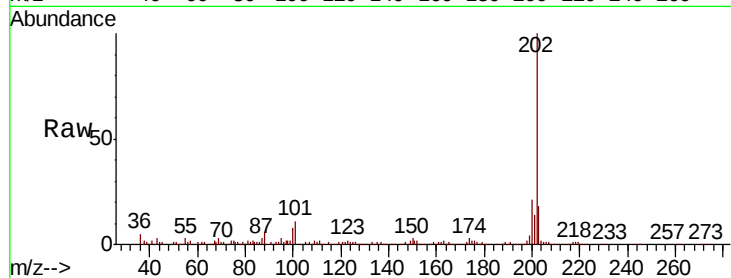
Tot Ion:202 Resp: 194554

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.2

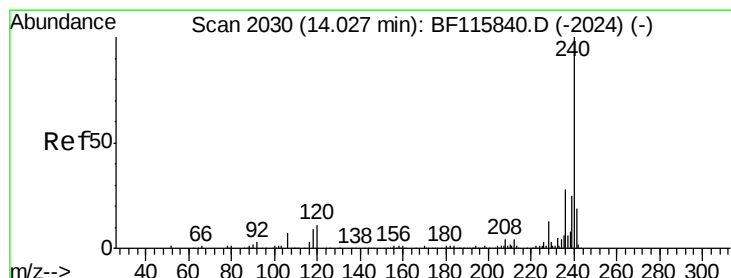
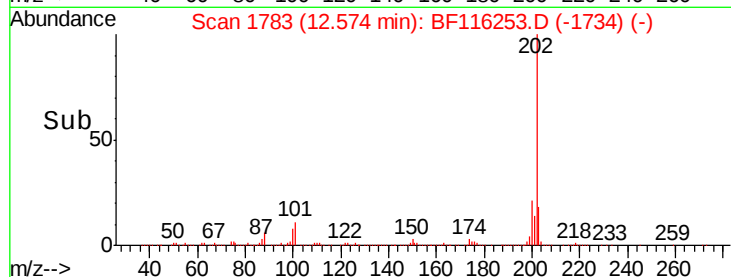
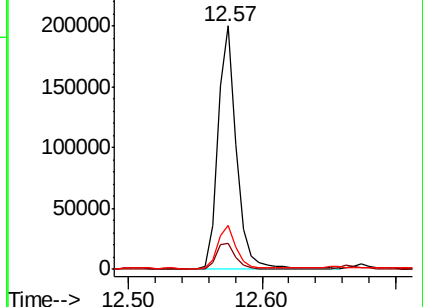
203 17.8 0.0 37.8



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: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

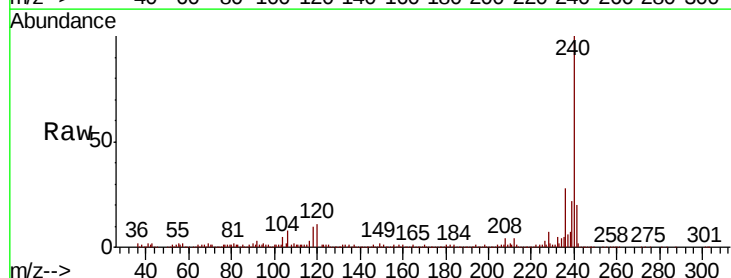
Tgt Ion:240 Resp: 302743

Ion Ratio Lower Upper

240 100

120 11.3 10.7 16.1

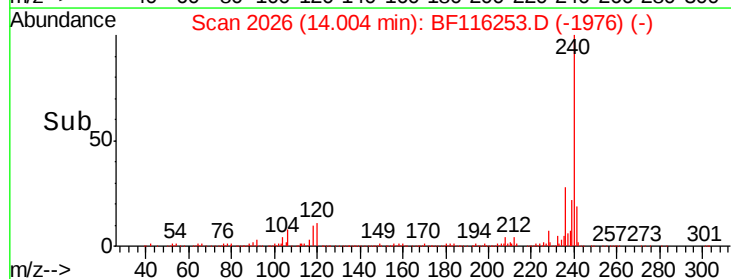
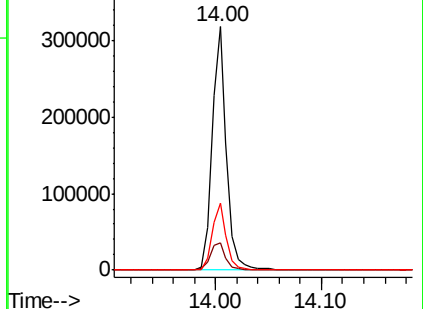
236 27.5 22.2 33.2

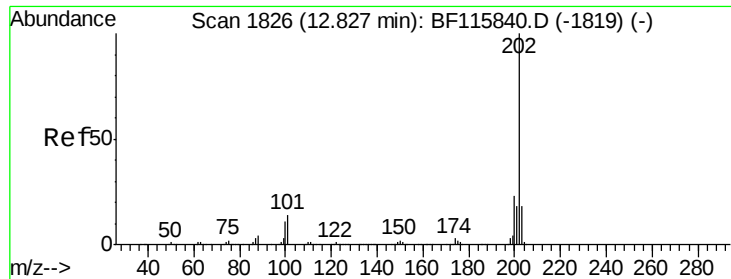


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

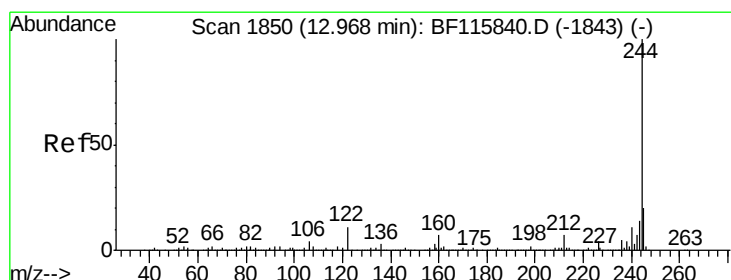
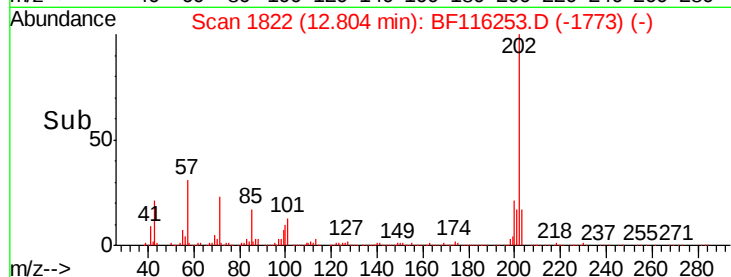
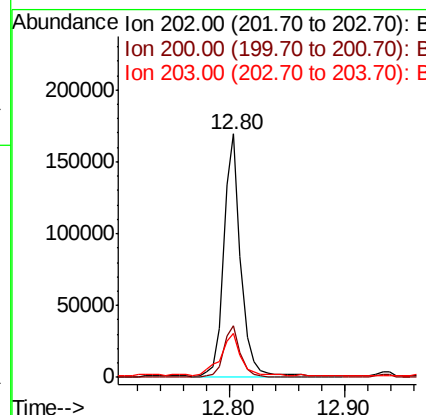
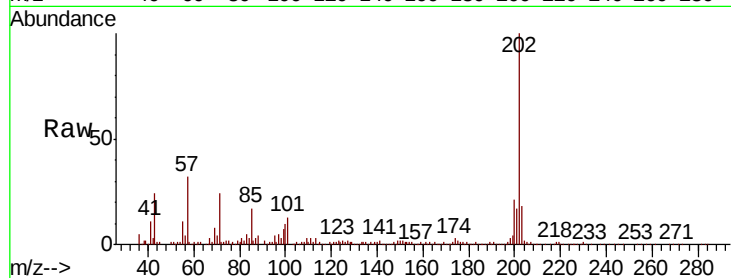




#78
Pvrene
Concen: 7.445 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

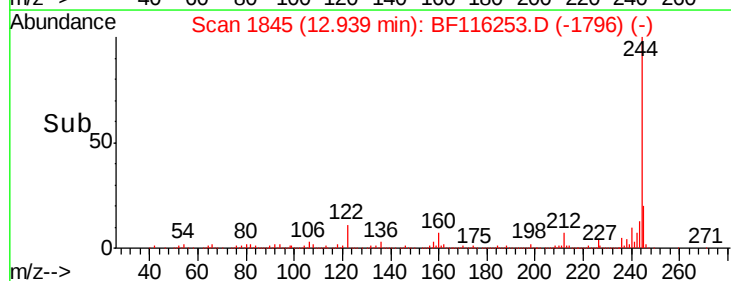
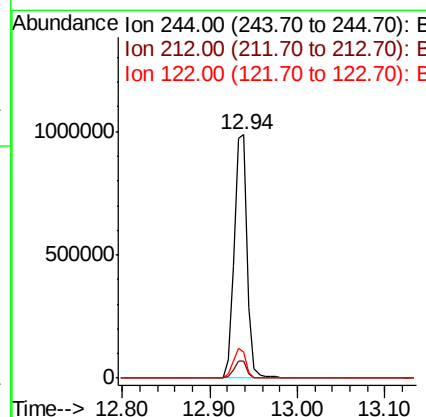
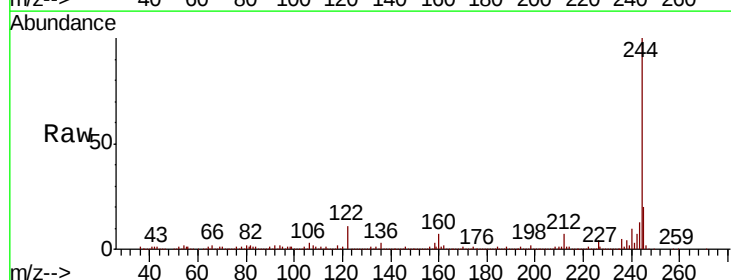
Instrument :
BNA_F
ClientSampleId :

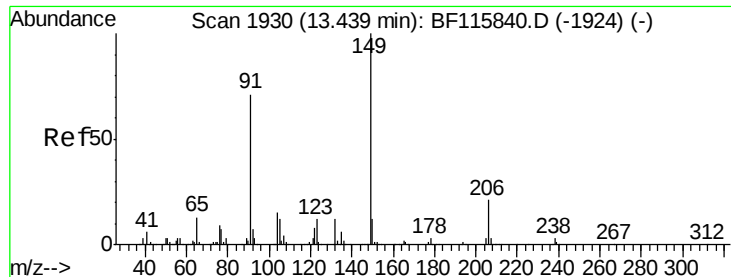
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	18.0	27.0
203	17.9	14.1	21.1



#79
Terphenyl-d14
Concen: 70.592 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	10.8	9.0	13.4

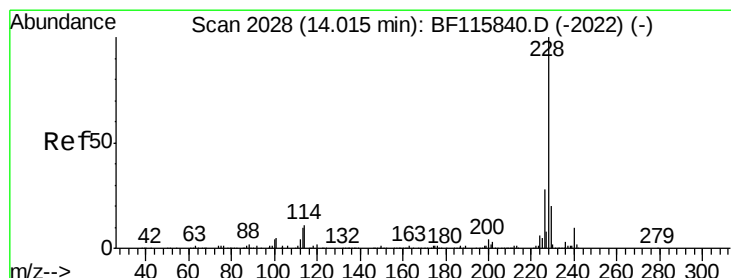
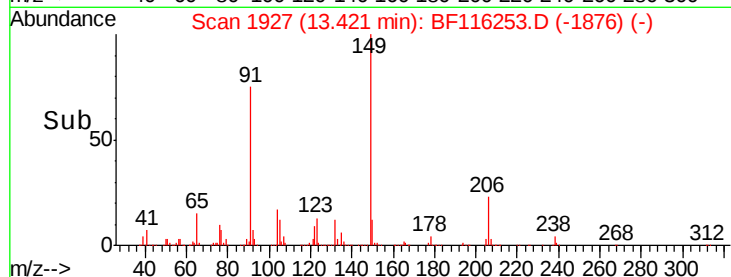
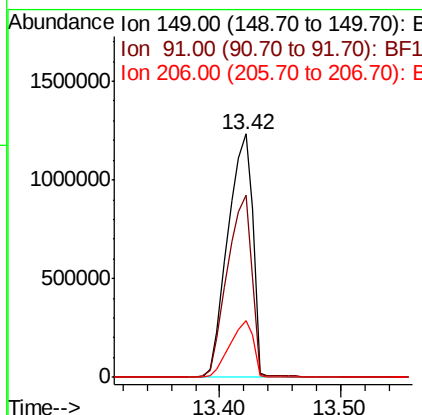
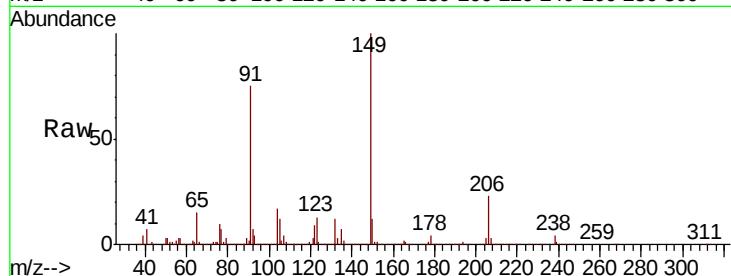




#80
Butylbenzylphthalate
Concen: 182.271 ng
RT: 13.42 min Scan# 1927
Delta R.T. -0.00 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

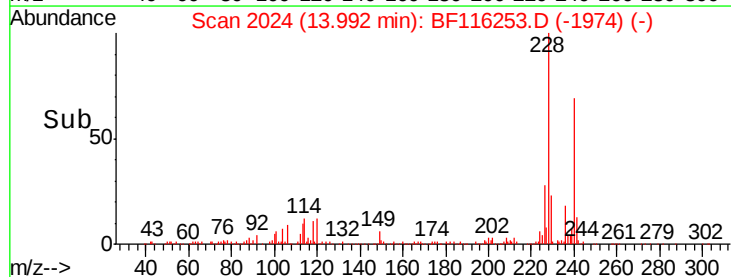
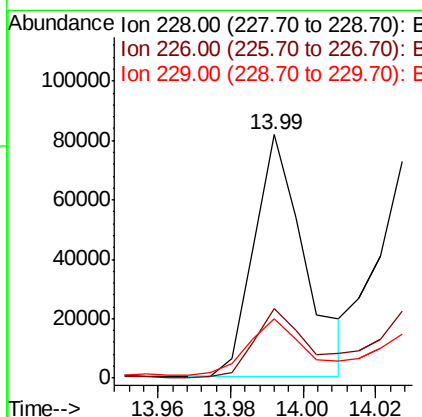
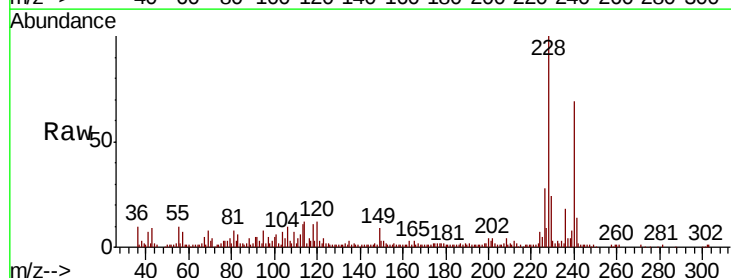
Instrument :
BNA_F
ClientSampleId :

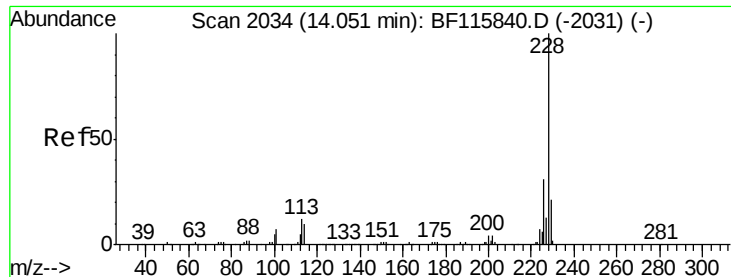
Tot Ion:149 Resp: 1759553
Ion Ratio Lower Upper
149 100
91 75.0 56.3 84.5
206 23.1 18.0 27.0



#81
Benzo(a)anthracene
Concen: 4.102 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

Tgt Ion:228 Resp: 79379
Ion Ratio Lower Upper
228 100
226 28.4 22.7 34.1
229 24.2 16.2 24.4

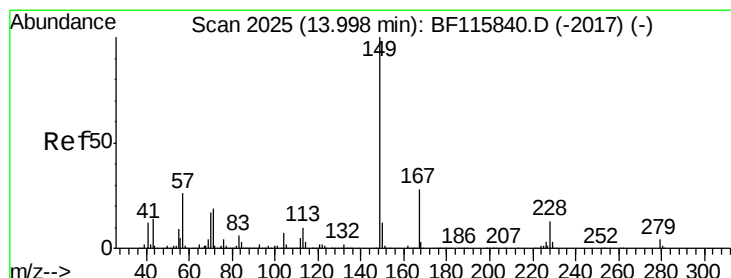
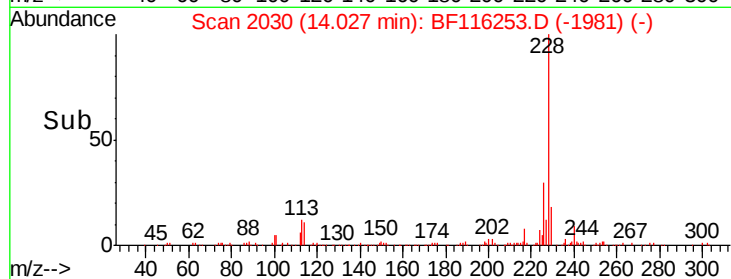
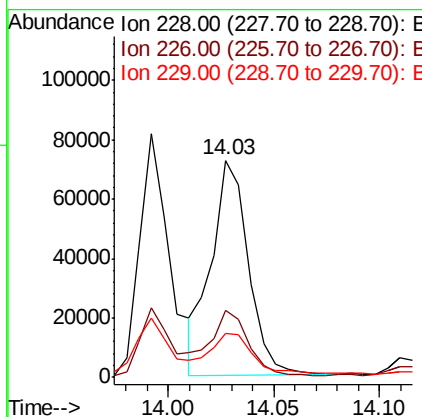
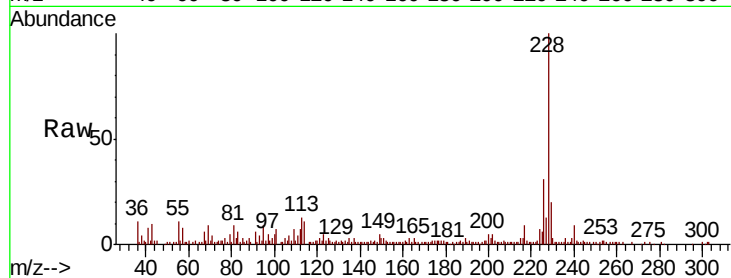




#83
 Chrvsene
 Concen: 4.751 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF116253.D
 Acq: 14 Aug 2019 1:44

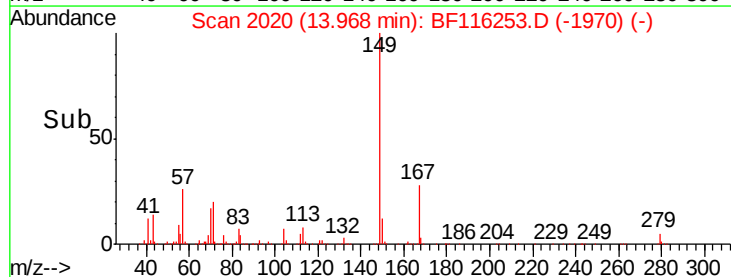
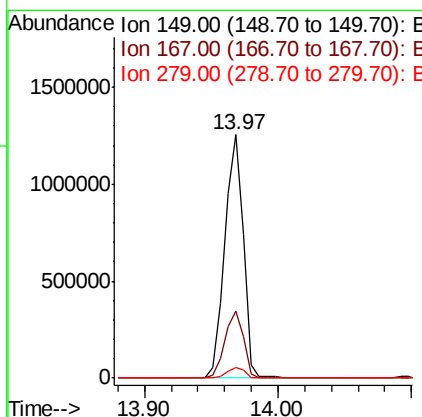
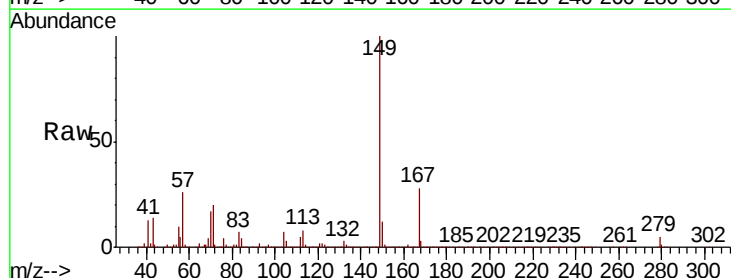
Instrument :
 BNA_F
 ClientSampleId :

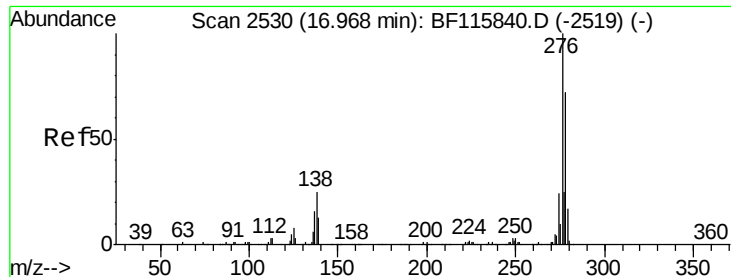
Tot Ion:228 Resp: 89247
 Ion Ratio Lower Upper
 228 100
 226 30.8 25.5 38.3
 229 20.0 16.6 24.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 97.806 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF116253.D
 Acq: 14 Aug 2019 1:44

Tgt Ion:149 Resp: 1226939
 Ion Ratio Lower Upper
 149 100
 167 27.7 21.6 32.4
 279 4.5 3.0 4.4#

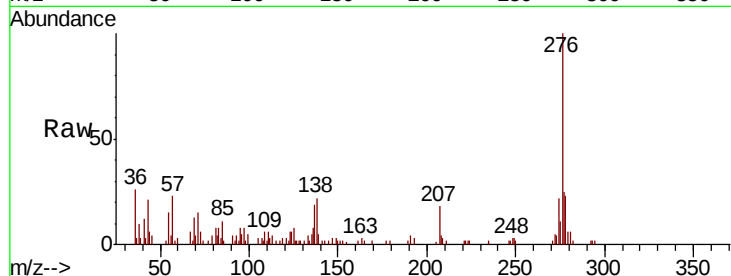




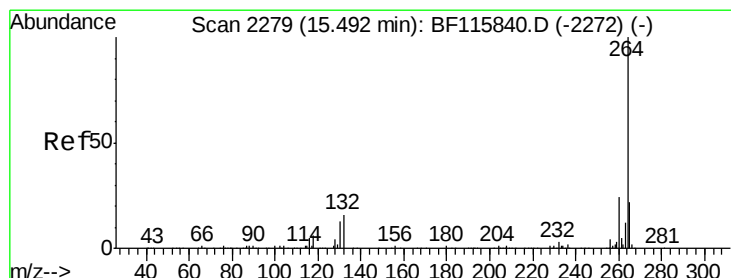
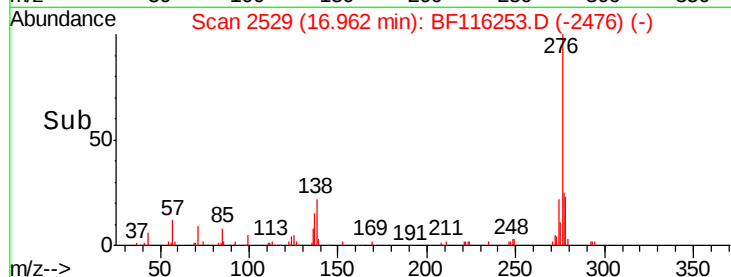
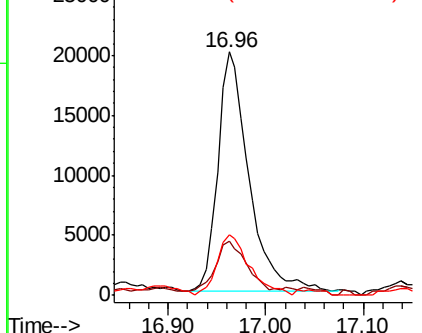
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.794 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. 0.01 min
 Lab File: BF116253.D
 Acq: 14 Aug 2019 1:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	20.4	30.6#
277	26.5	20.0	30.0

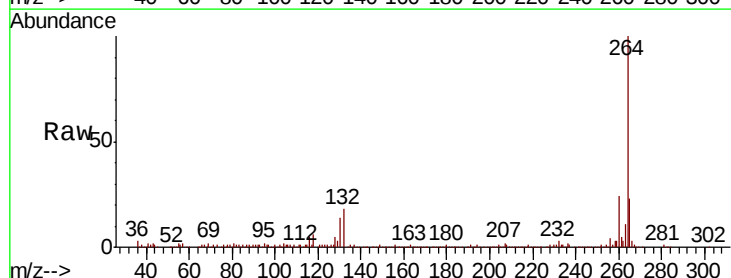


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

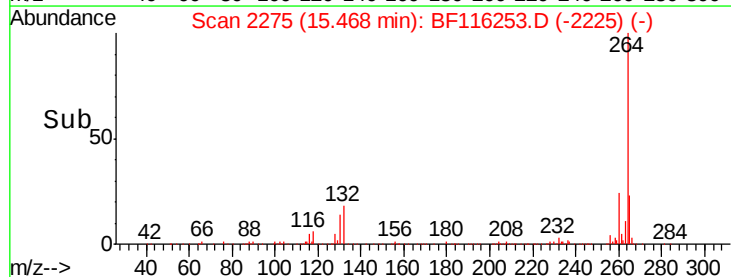
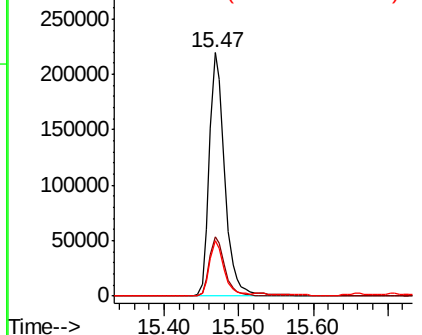


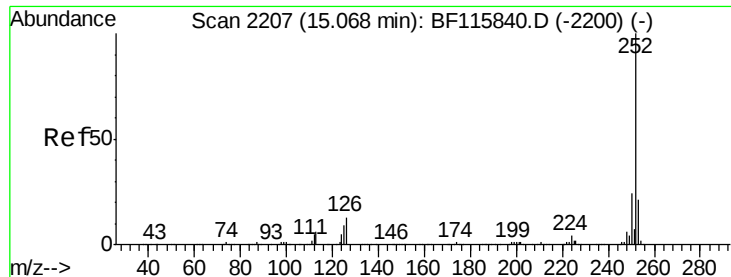
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF116253.D
 Acq: 14 Aug 2019 1:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	22.7	17.4	26.0



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

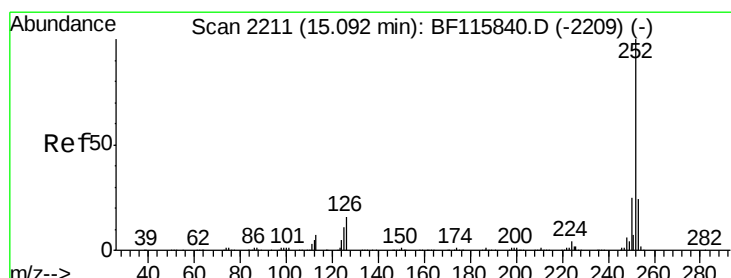
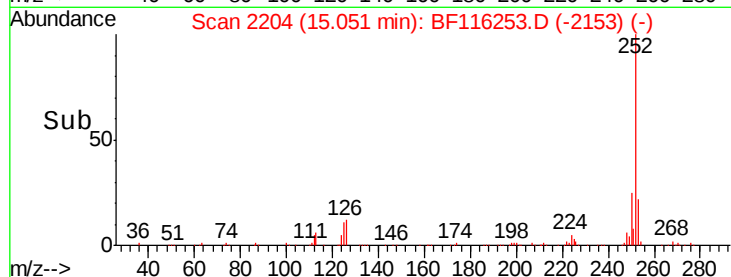
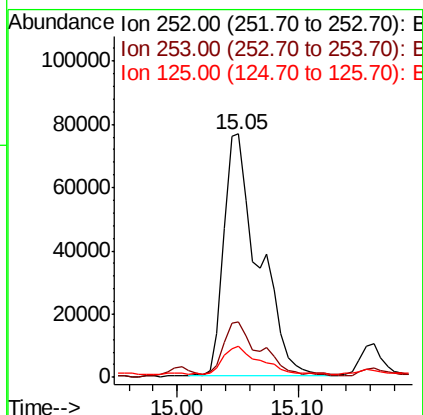
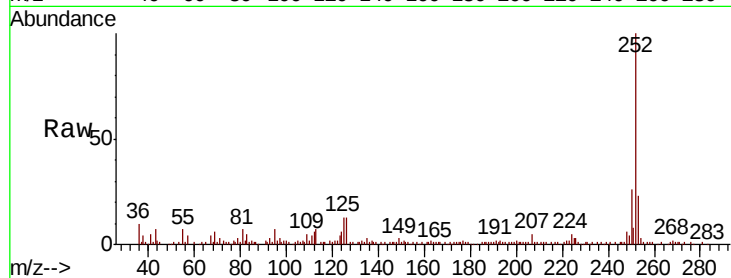




#88
Benzo(b)fluoranthene
Concen: 8.362 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

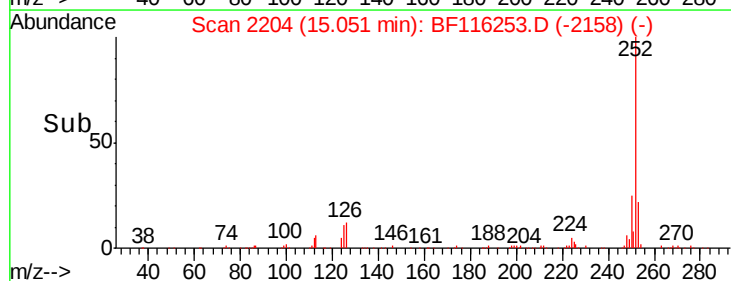
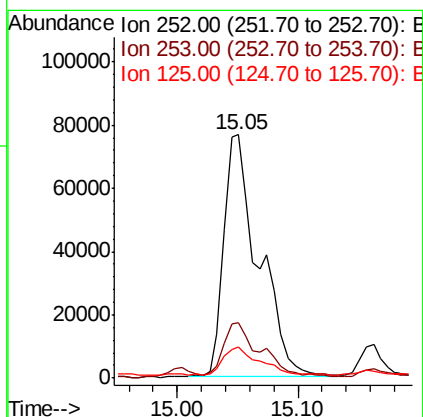
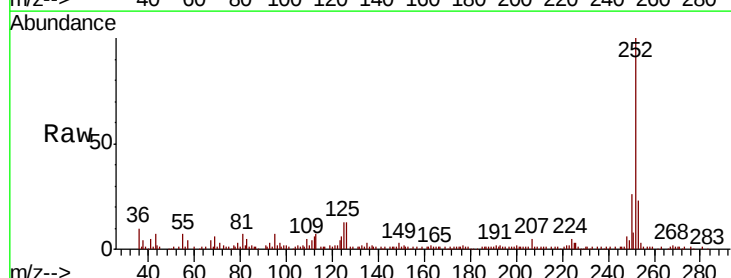
Instrument :
BNA_F
ClientSampleId :

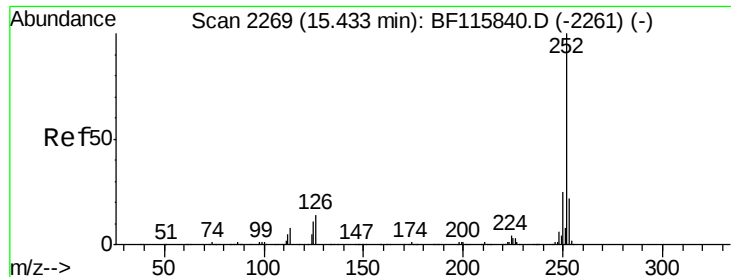
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	12.9	8.4	12.6



#89
Benzo(k)fluoranthene
Concen: 8.585 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	12.9	7.7	11.5





#90

Benzo(a)pyrene

Concen: 4.207 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.00 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

Instrument :

BNA_F

ClientSampleId :

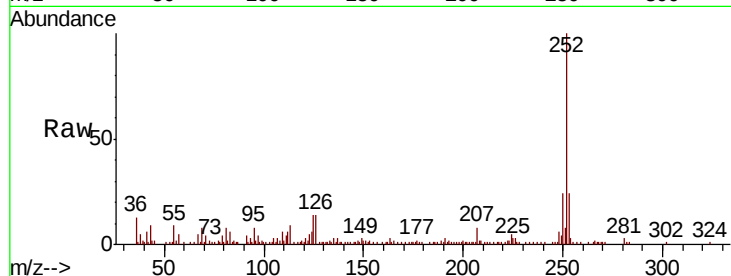
Tot Ion:252 Resp: 68685

Ion Ratio Lower Upper

252 100

253 24.2 18.0 27.0

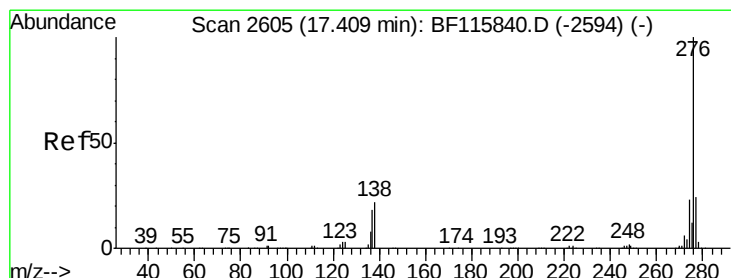
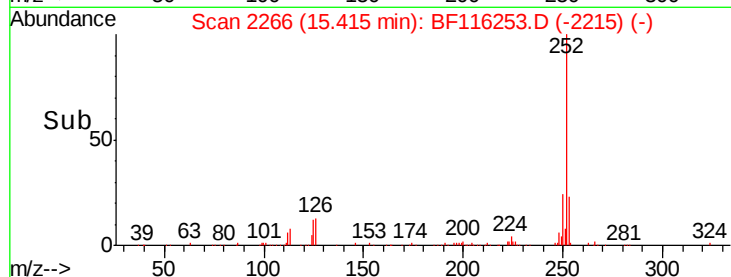
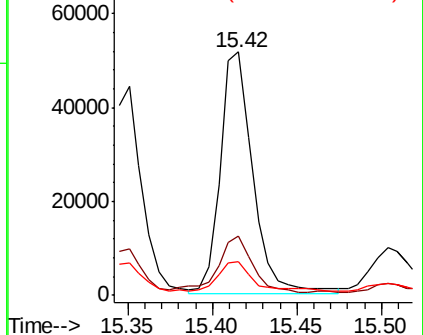
125 13.6 8.9 13.3#



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



#92

Benzo(g,h,i)perylene

Concen: 3.030 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.03 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

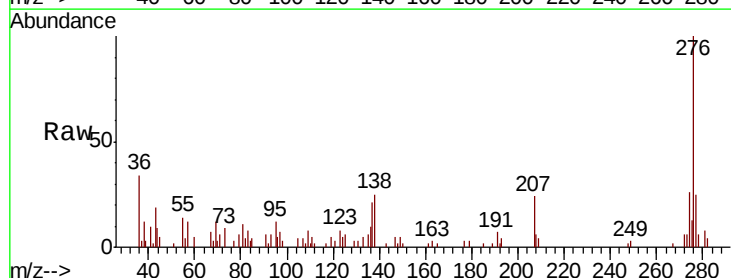
Tgt Ion:276 Resp: 42058

Ion Ratio Lower Upper

276 100

277 25.4 18.4 27.6

138 24.7 17.0 25.6



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

