

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090819\
 Data File : BF116888.D
 Acq On : 9 Sep 2019 00:02
 Operator : HP/JU
 Sample : K4636-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 09 02:17:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	85874	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	351519	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	185855	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	299226	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	177007	20.00	ng	0.00
87) Perylene-d12	15.44	264	182004	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	449002	84.71	ng	0.00
7) Phenol-d6	6.47	99	623478	89.58	ng	0.00
23) Nitrobenzene-d5	7.40	82	390865	63.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	127404	102.54	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	659307	59.84	ng	-0.02
79) Terphenyl-d14	12.94	244	588565	61.51	ng	-0.01

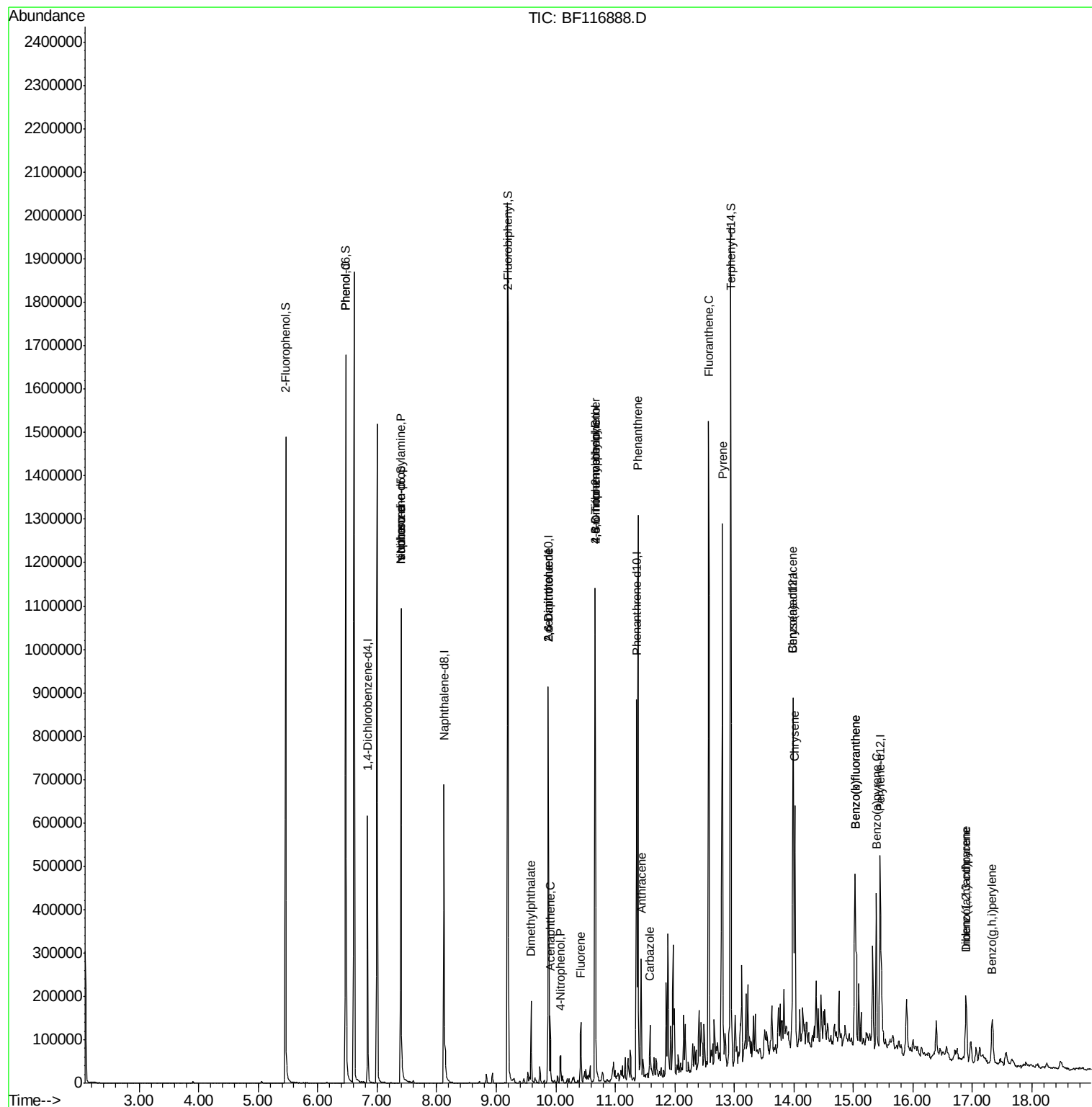
Target Compounds				Qvalue		
10) Phenol	6.48	94	19469	2.526	ng	# 64
19) n-Nitroso-di-n-propylamine	7.40	70	50151	10.943	ng	# 73
25) Isophorone	7.40	82	390895	31.328	ng	# 66
50) Dimethylphthalate	9.59	163	83678	6.521	ng	97
51) 2,6-Dinitrotoluene	9.87	165	22889	9.350	ng	# 21
52) Acenaphthene	9.90	154	30892	2.978	ng	97
56) 4-Nitrophenol	10.08	139	10443	4.964	ng	# 1
57) 2,4-Dinitrotoluene	9.87	165	22889	7.646	ng	# 21
58) Fluorene	10.42	166	39611	3.554	ng	99
65) 4,6-Dinitro-2-methylphenol	10.66	198	137	7.556	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	8322	2.738	ng	# 1
71) Phenanthrene	11.38	178	460421	27.642	ng	99
72) Anthracene	11.43	178	106518	6.353	ng	99
73) Carbazole	11.59	167	49900	3.124	ng	99
75) Fluoranthene	12.57	202	558412	34.113	ng	99
78) Pyrene	12.80	202	496230	31.537	ng	98
81) Benzo(a)anthracene	13.98	228	228910	20.433	ng	100
83) Chrysene	14.02	228	200007	17.329	ng	97
86) Indeno(1,2,3-cd)pyrene	16.89	276	94979	10.245	ng	98
88) Benzo(b)fluoranthene	15.03	252	283879	25.799	ng	99
89) Benzo(k)fluoranthene	15.03	252	283879	28.295	ng	100
90) Benzo(a)pyrene	15.39	252	158549	16.562	ng	99
91) Dibenzo(a,h)anthracene	16.90	278	26035	3.107	ng	93
92) Benzo(g,h,i)perylene	17.33	276	85445	9.998	ng	99

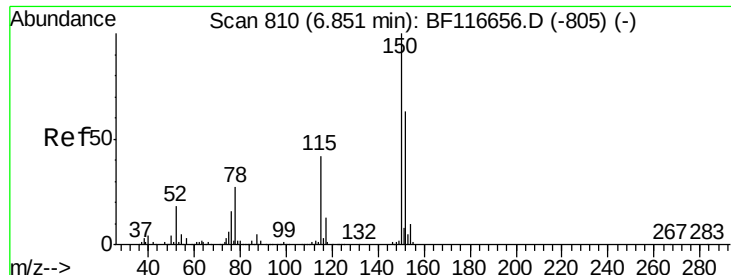
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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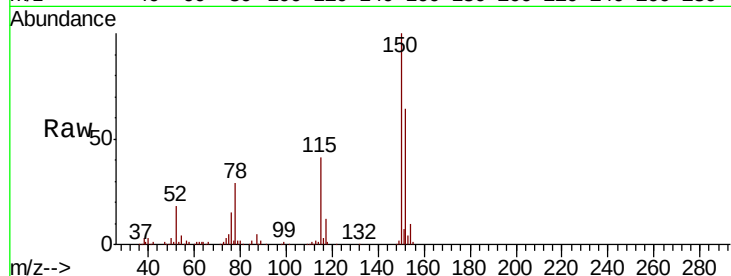


#1

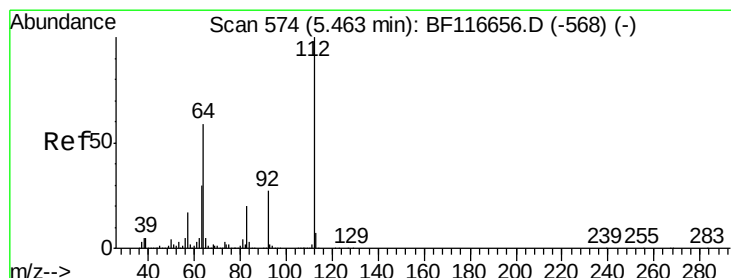
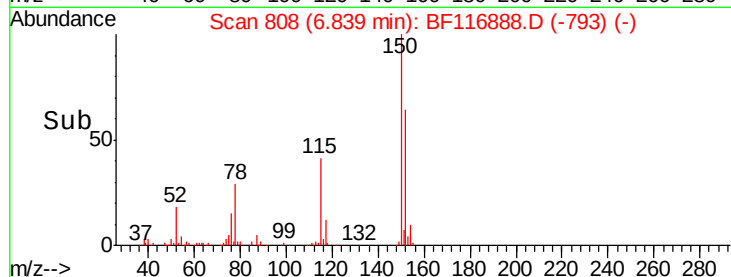
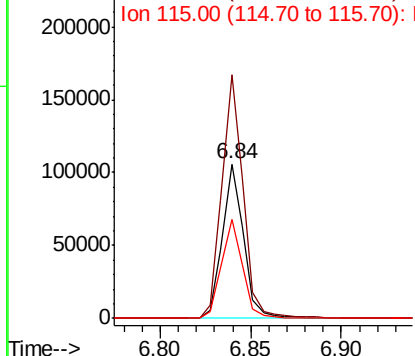
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116888.D
Acq: 9 Sep 2019 00:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 85874
Ion Ratio Lower Upper
152 100
150 157.5 124.4 186.6
115 64.0 49.9 74.9



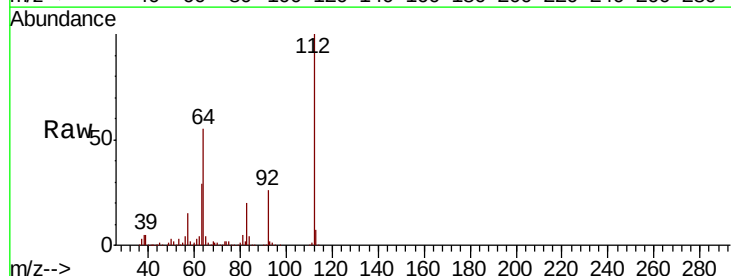
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



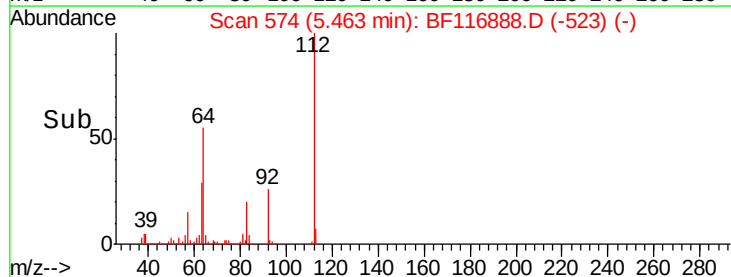
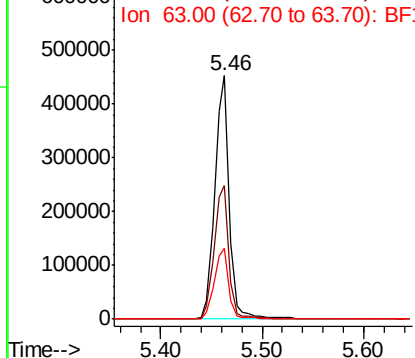
#5

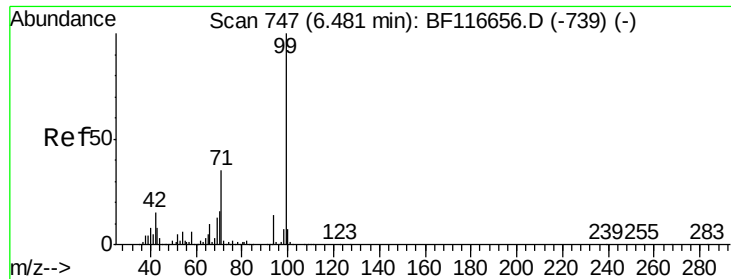
2-Fluorophenol
Concen: 84.707 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF116888.D
Acq: 9 Sep 2019 00:02

Tgt Ion:112 Resp: 449002
Ion Ratio Lower Upper
112 100
64 54.9 47.1 70.7
63 29.2 24.9 37.3



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: 89.575 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

Instrument :

BNA_F

ClientSampleId :

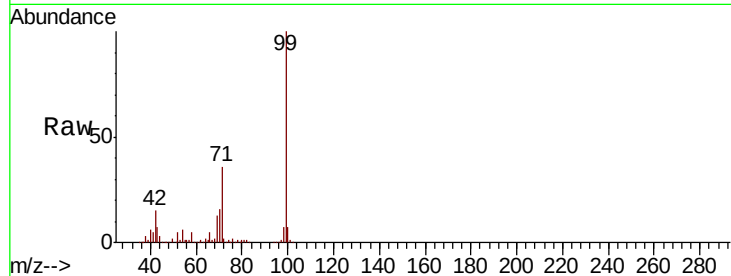
Tot Ion: 99 Resp: 623478

Ion Ratio Lower Upper

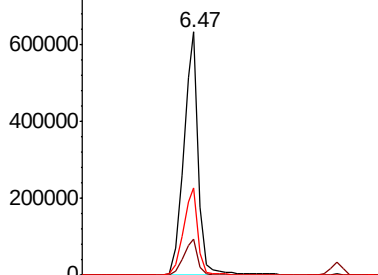
99 100

42 14.7 13.7 20.5

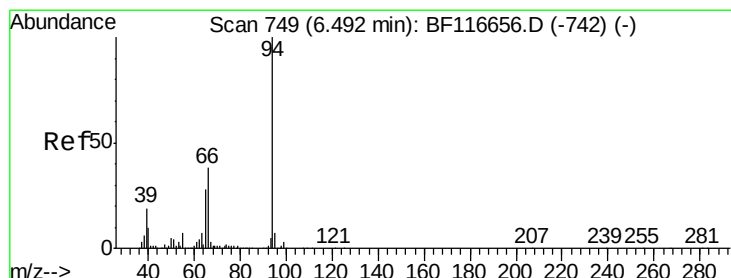
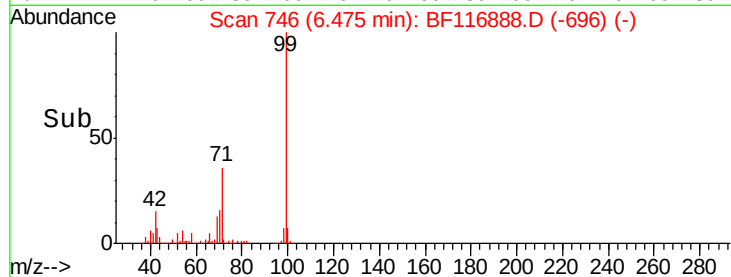
71 35.8 30.8 46.2



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-->



#10

Phenol

Concen: 2.526 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

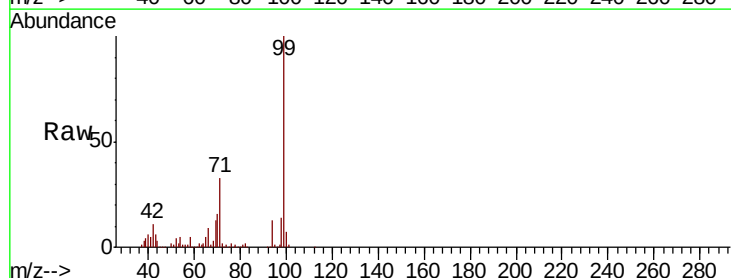
Tgt Ion: 94 Resp: 19469

Ion Ratio Lower Upper

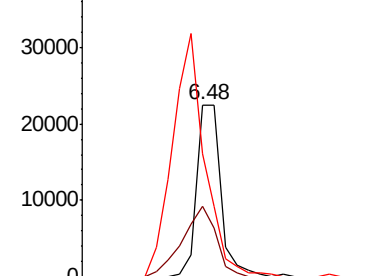
94 100

65 41.0 10.8 50.8

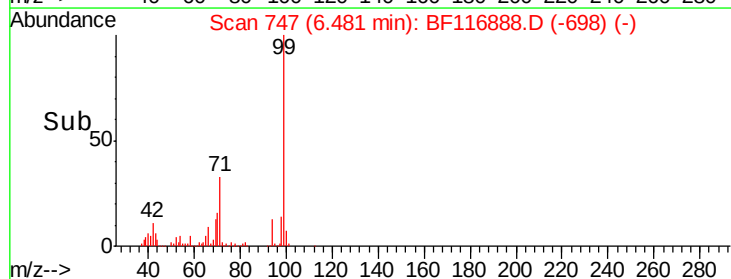
66 71.9 21.1 61.1#

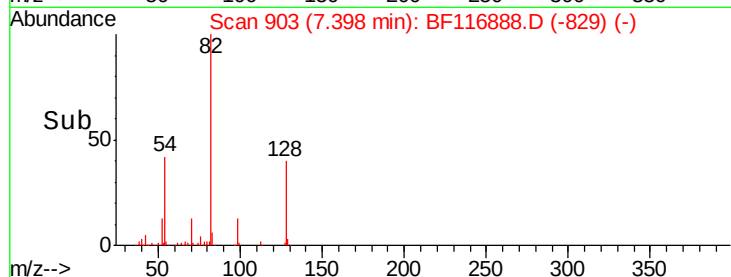
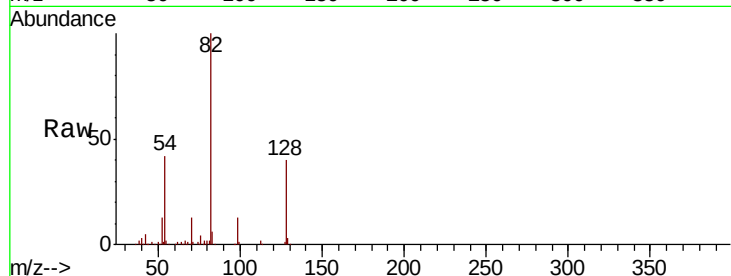
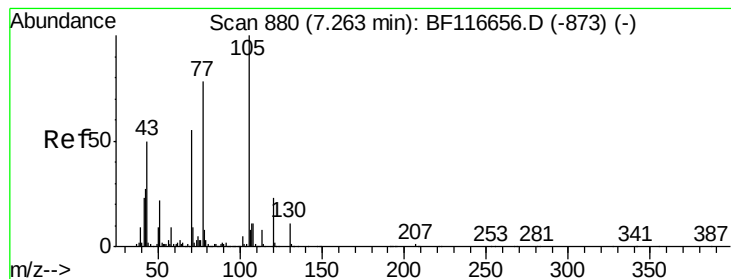


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 10.943 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF116888.D

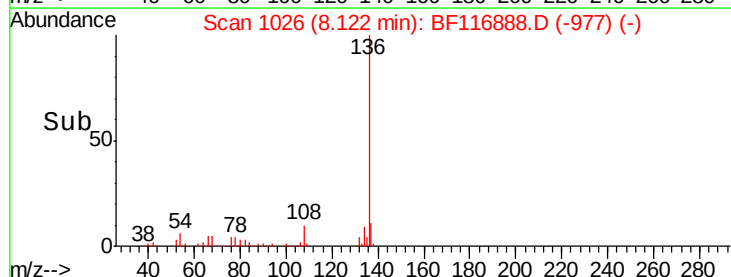
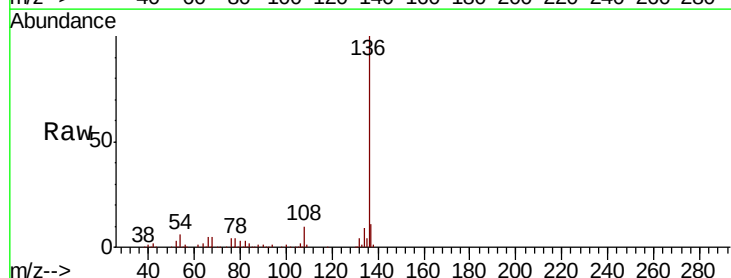
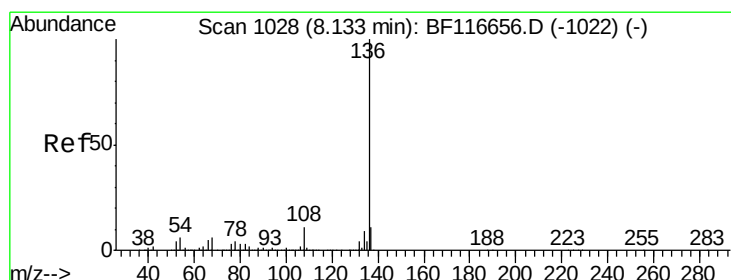
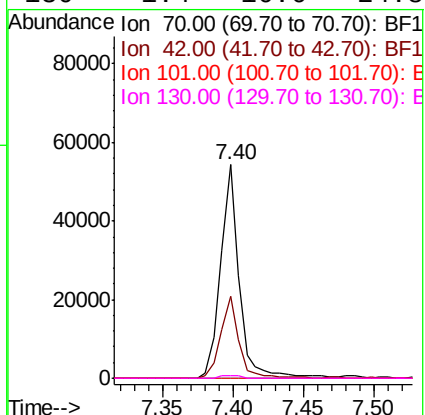
Acq: 9 Sep 2019 00:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	50151
Ion	Ratio	Lower	Upper
70	100		
42	38.3	43.5	65.3#
101	0.0	7.8	11.6#
130	1.4	16.6	24.8#



#21

Naphthalene-d8

Concen: 20.000 ng

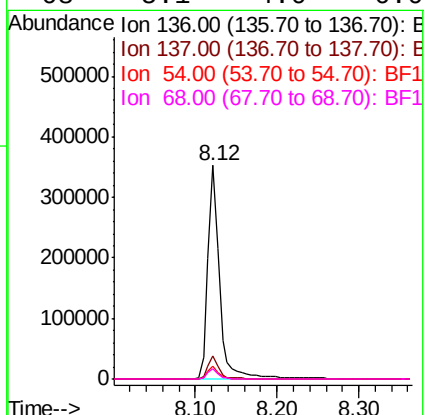
RT: 8.12 min Scan# 1026

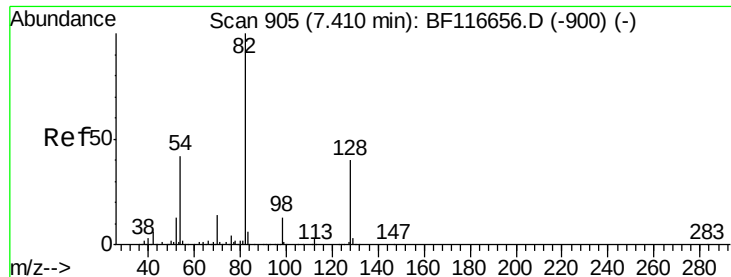
Delta R.T. -0.01 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

Tgt Ion:	136	Resp:	351519
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	5.9	4.8	7.2
68	5.1	4.0	6.0





#23

Nitrobenzene-d5

Concen: 63.477 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

Instrument :

BNA_F

ClientSampleId :

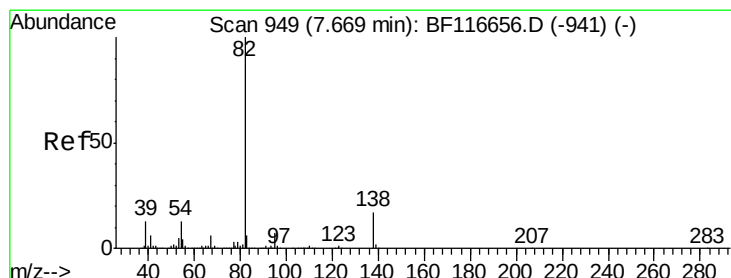
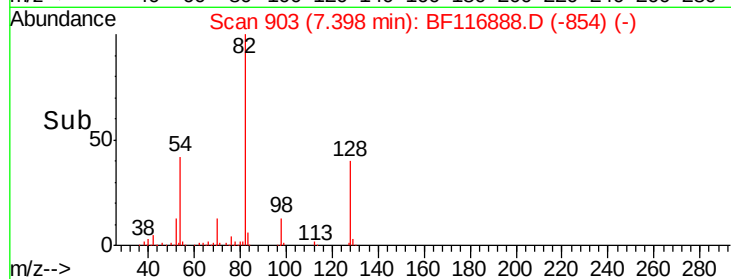
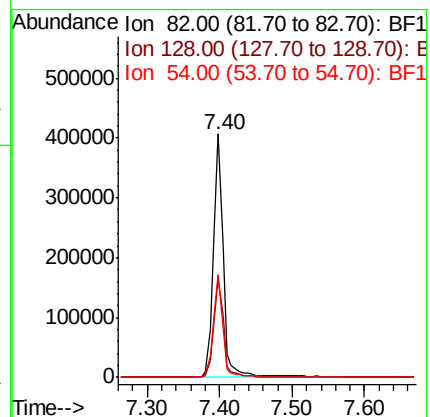
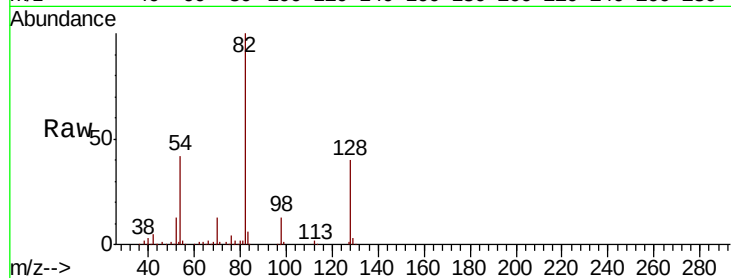
Tot Ion: 82 Resp: 390865

Ion Ratio Lower Upper

82 100

128 40.5 32.8 49.2

54 42.1 36.9 55.3



#25

Isophorone

Concen: 31.328 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

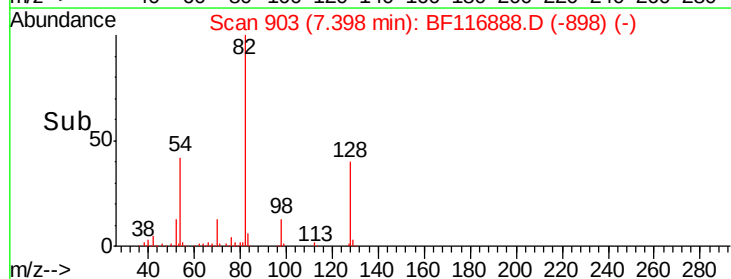
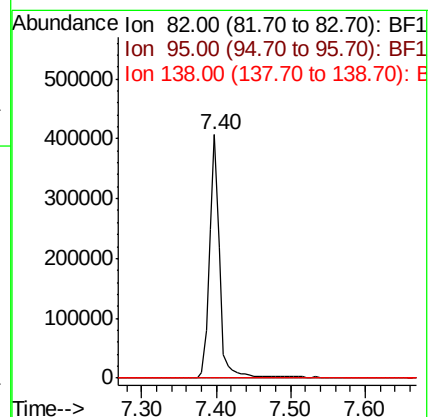
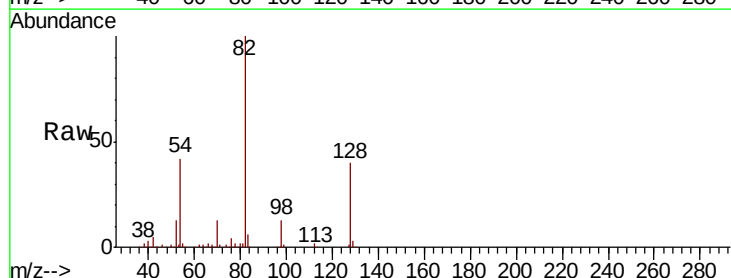
Tgt Ion: 82 Resp: 390895

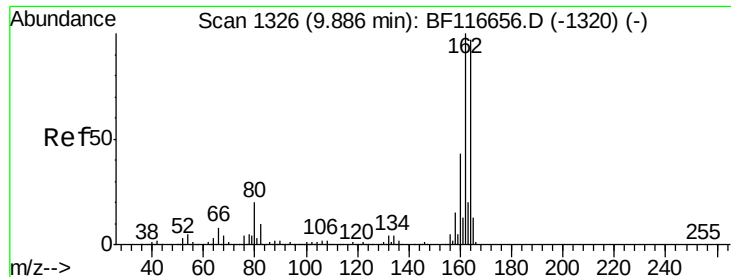
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#

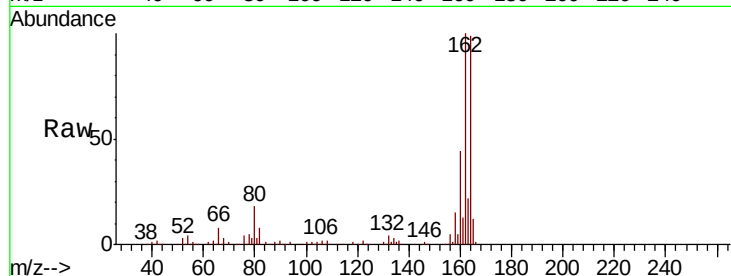




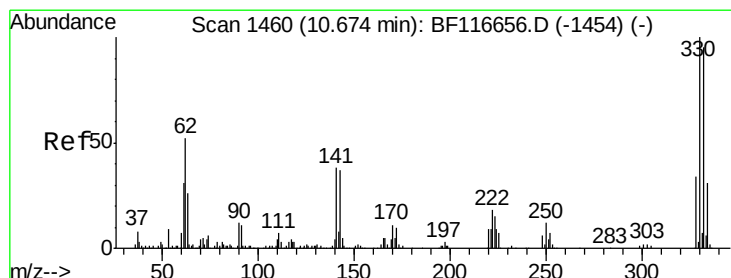
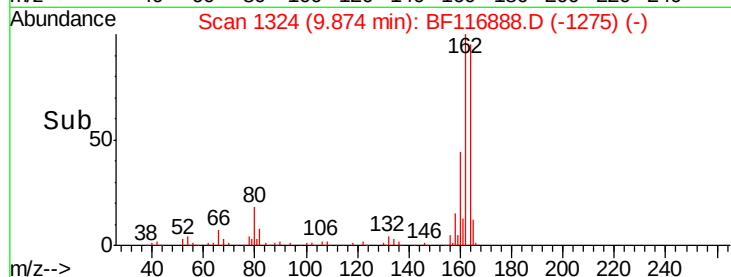
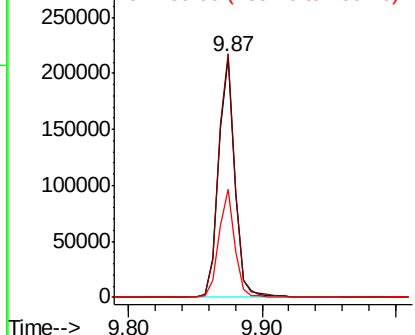
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF116888.D
Acq: 9 Sep 2019 00:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 185855
Ion Ratio Lower Upper
164 100
162 101.5 81.4 122.0
160 44.8 35.4 53.2

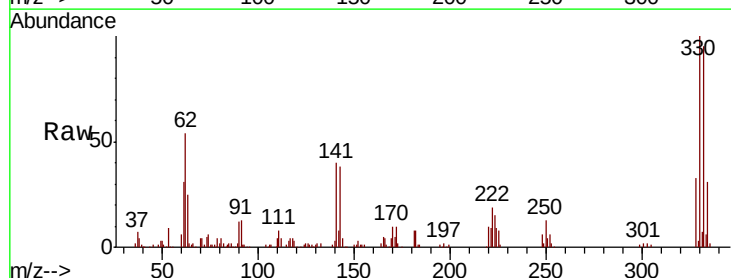


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

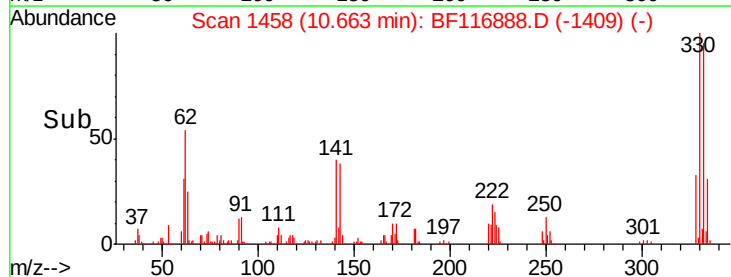
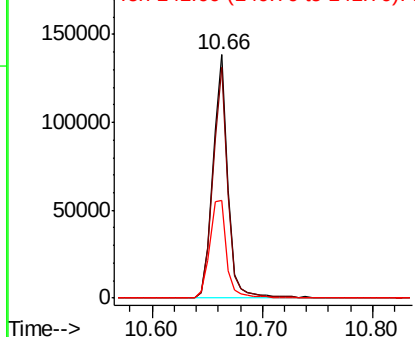


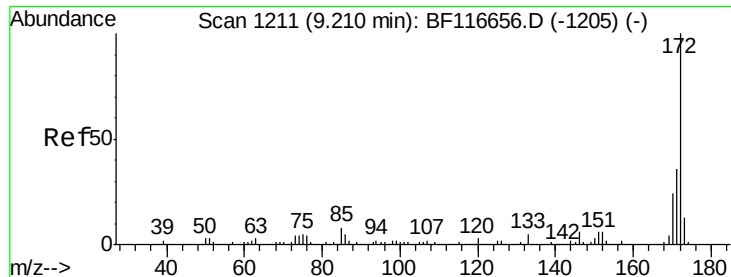
#42
2,4,6-Tribromophenol
Concen: 102.540 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116888.D
Acq: 9 Sep 2019 00:02

Tgt Ion:330 Resp: 127404
Ion Ratio Lower Upper
330 100
332 94.6 76.9 115.3
141 45.9 31.4 47.2



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

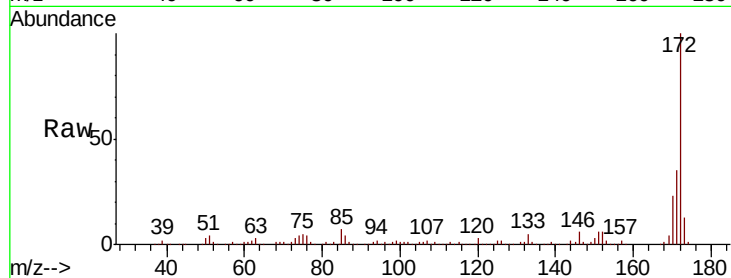




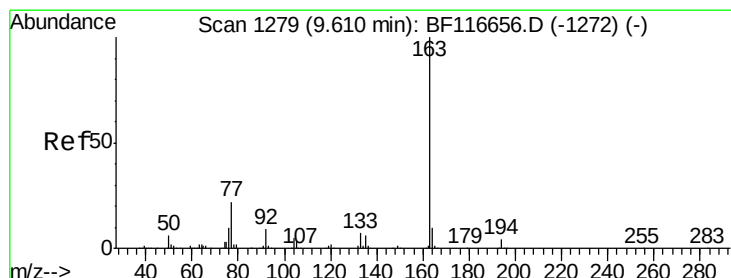
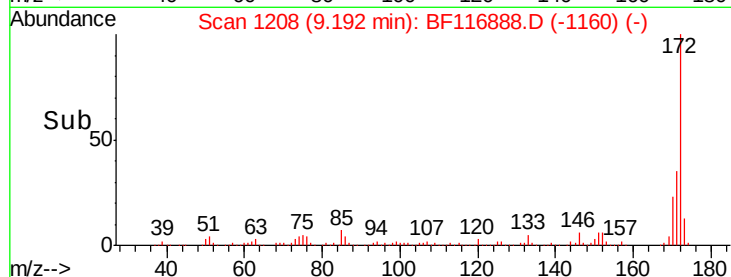
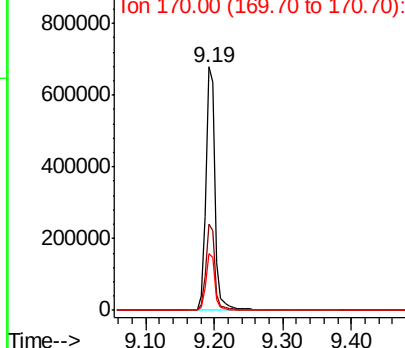
#45
 2-Fluorobiphenyl
 Concen: 59.841 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: BF116888.D
 Acq: 9 Sep 2019 00:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 659307
 Ion Ratio Lower Upper
 172 100
 171 35.3 27.8 41.6
 170 23.1 18.9 28.3

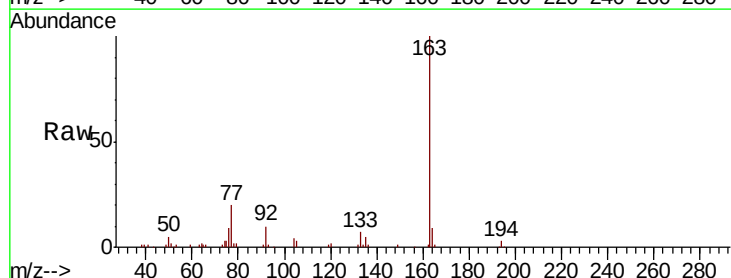


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

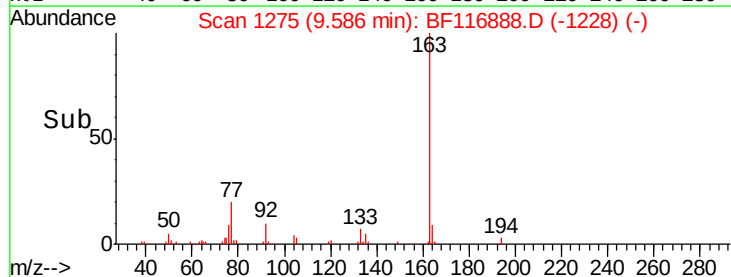
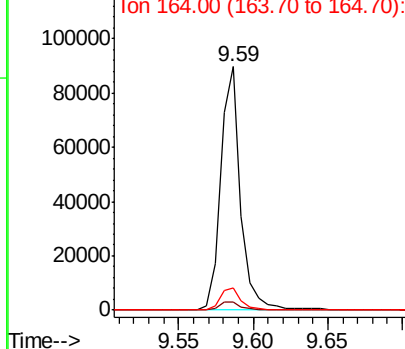


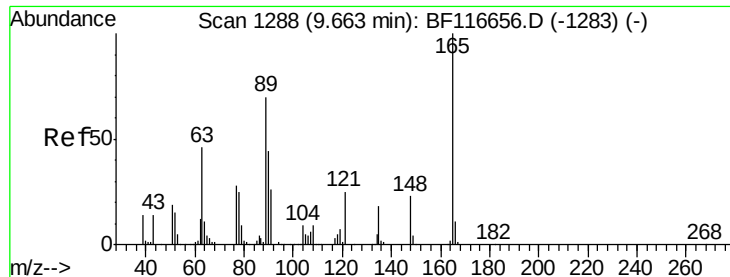
#50
 Dimethylphthalate
 Concen: 6.521 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. -0.02 min
 Lab File: BF116888.D
 Acq: 9 Sep 2019 00:02

Tgt Ion:163 Resp: 83678
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.8 4.2
 164 9.2 8.6 12.8



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





#51

2,6-Dinitrotoluene

Concen: 9.350 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

Instrument :

BNA_F

ClientSampleId :

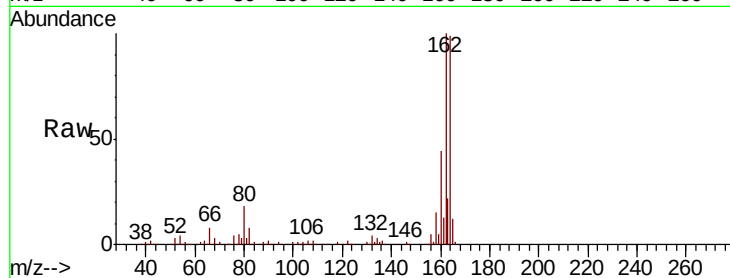
Tot Ion:165 Resp: 22889

Ion Ratio Lower Upper

165 100

63 0.0 47.3 70.9#

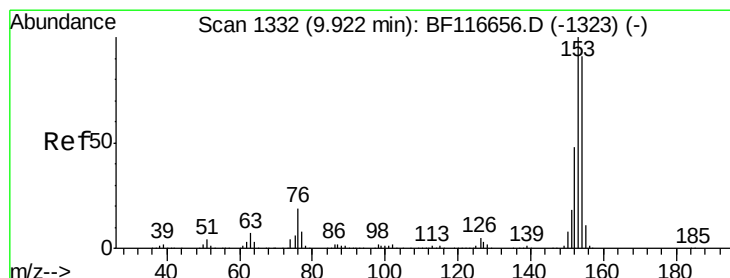
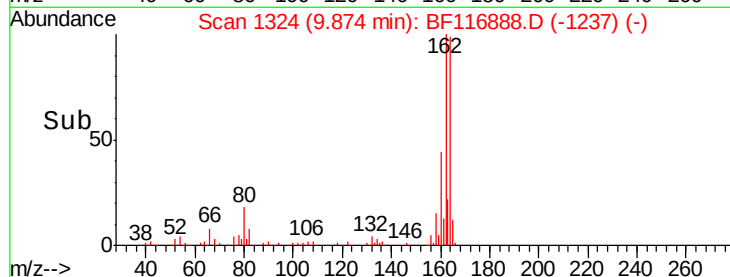
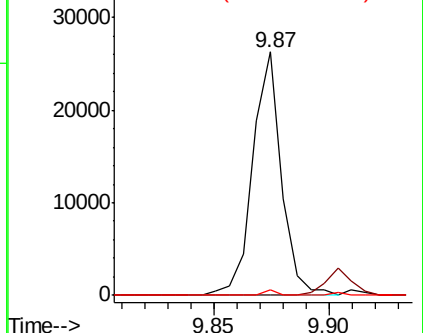
89 2.1 52.5 78.7#



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



#52

Acenaphthene

Concen: 2.978 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

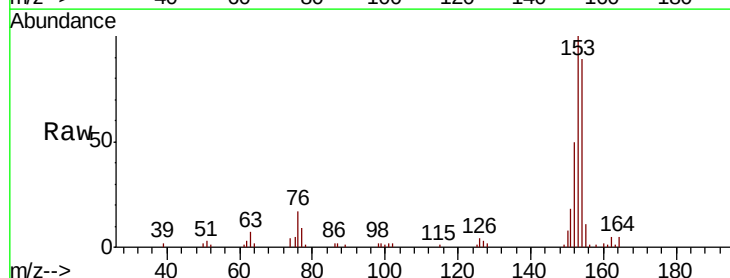
Tgt Ion:154 Resp: 30892

Ion Ratio Lower Upper

154 100

153 112.9 89.5 134.3

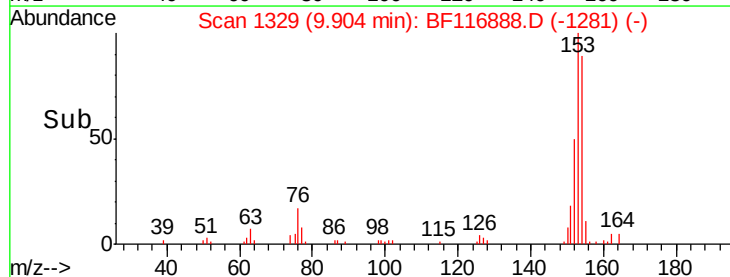
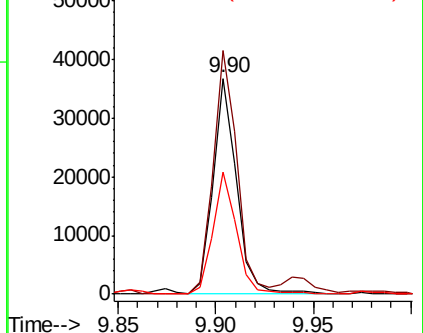
152 56.6 41.9 62.9

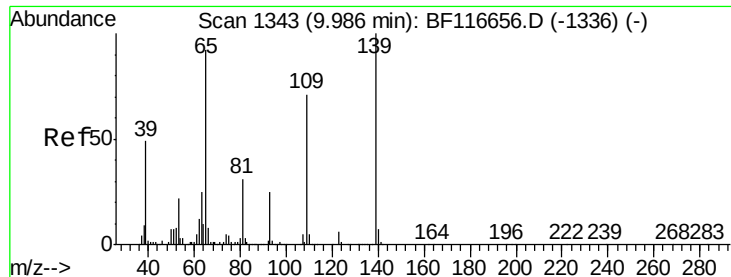


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#56

4-Nitrophenol

Concen: 4.964 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.09 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

Instrument :

BNA_F

ClientSampleId :

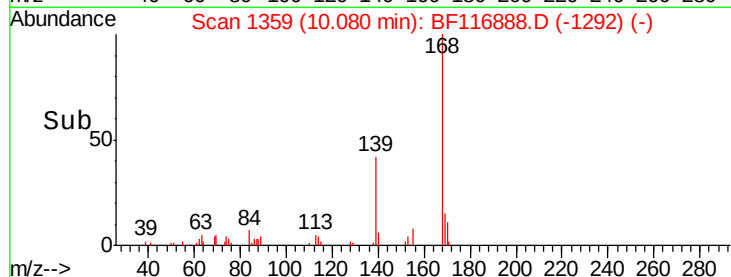
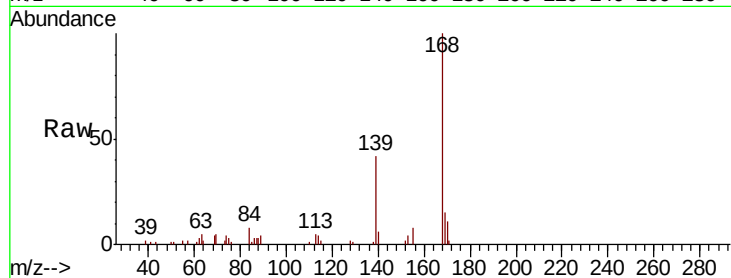
Tot Ion:139 Resp: 10443

Ion Ratio Lower Upper

139 100

109 0.0 61.7 101.7#

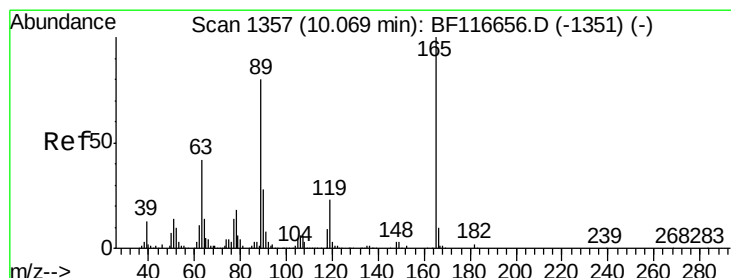
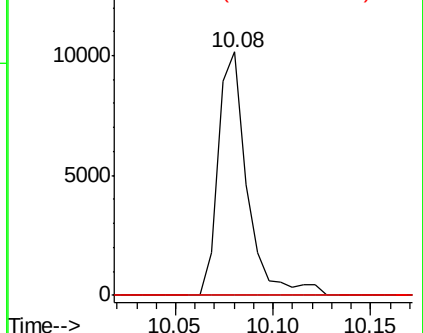
65 0.0 89.1 129.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 7.646 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.19 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

Tgt Ion:165 Resp: 22889

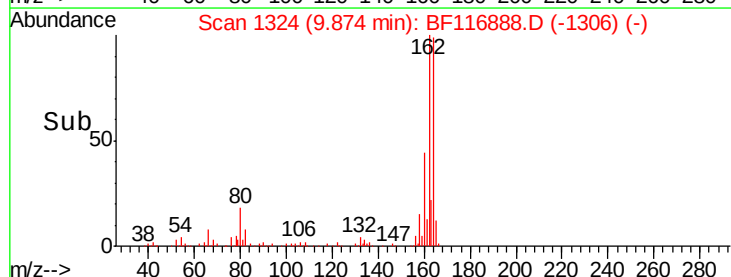
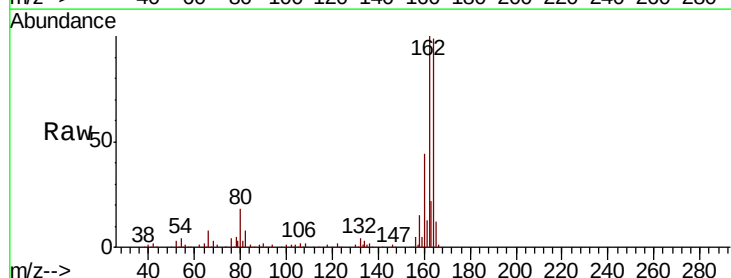
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 2.1 62.6 94.0#

182 0.0 2.1 3.1#

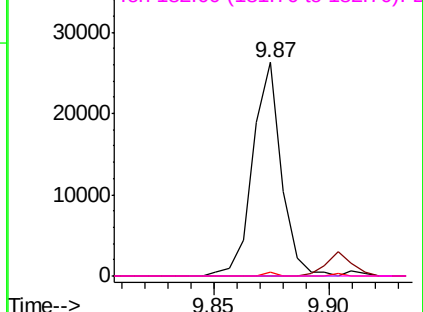


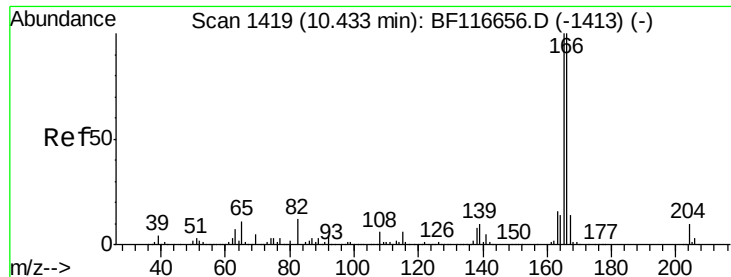
Abundance Ion 165.00 (164.70 to 165.70): E

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

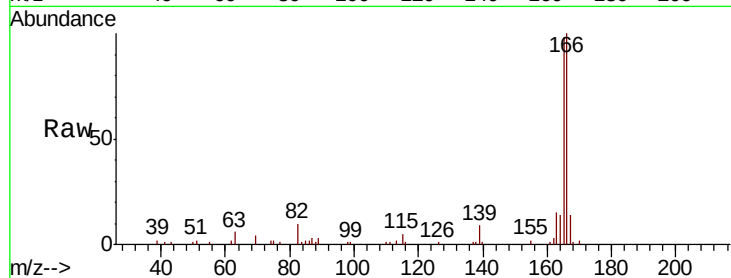




#58
 Fluorene
 Concen: 3.554 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF116888.D
 Acq: 9 Sep 2019 00:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.8	118.2
167	14.1	10.0	15.0

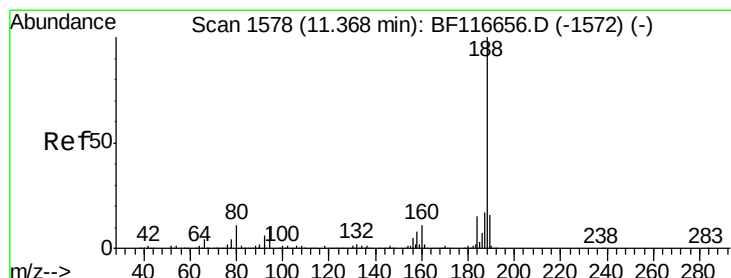
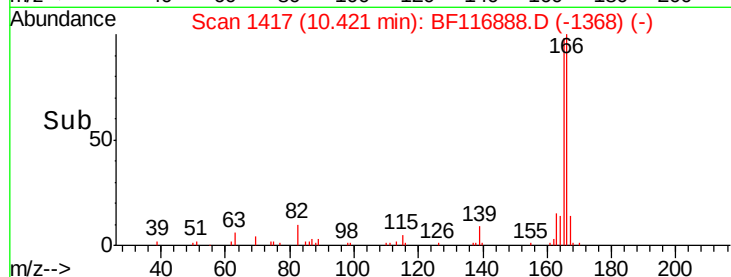
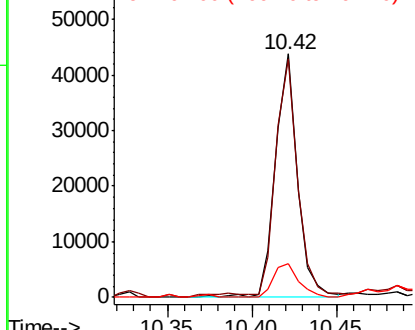


Abundance

Ion 166.00 (165.70 to 166.70): E

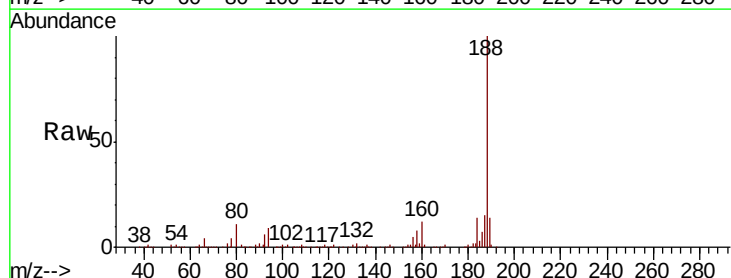
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116888.D
 Acq: 9 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.3	10.9
80	10.8	8.4	12.6

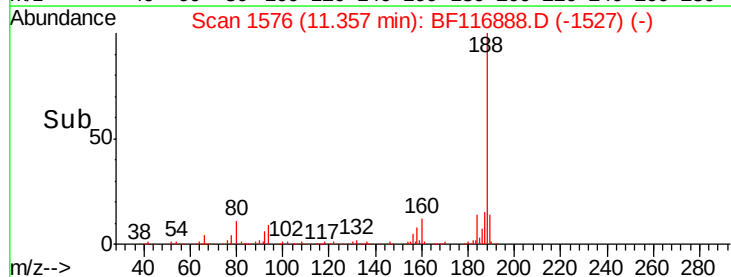
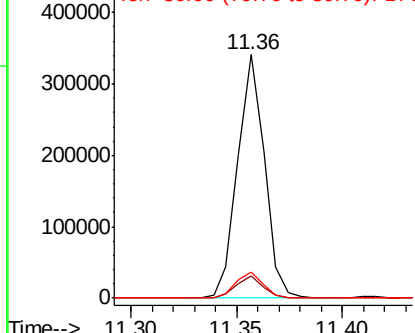


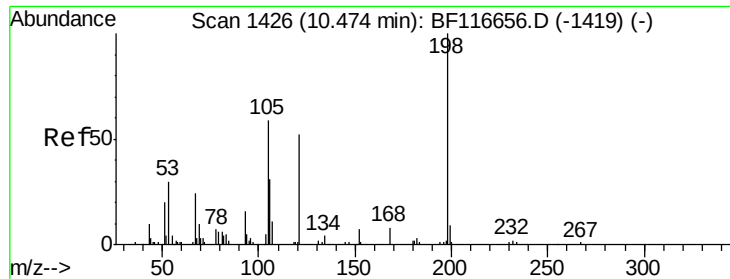
Abundance

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





#65

4,6-Dinitro-2-methylphenol

Concen: 7.556 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

Instrument :

BNA_F

ClientSampled :

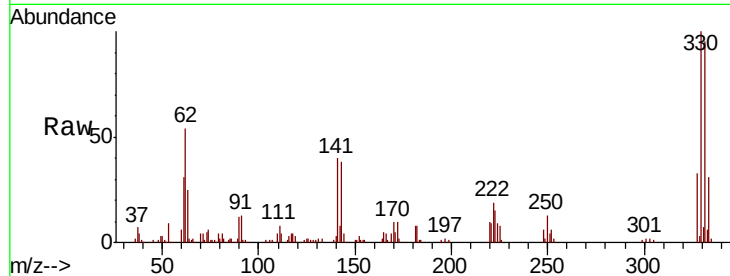
Tot Ion:198 Resp: 137

Ion Ratio Lower Upper

198 100

51 237.0 18.4 58.4#

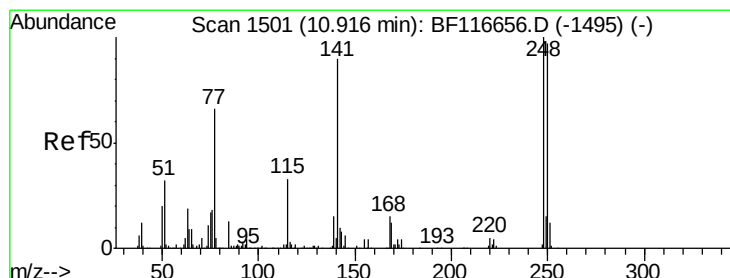
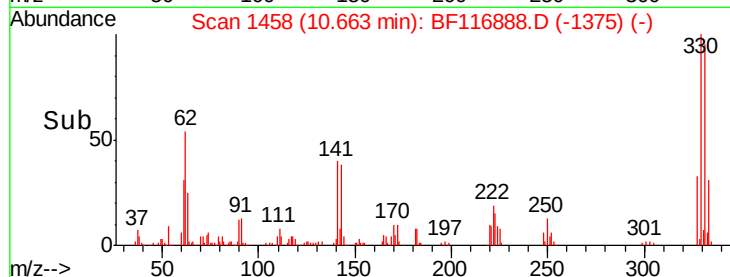
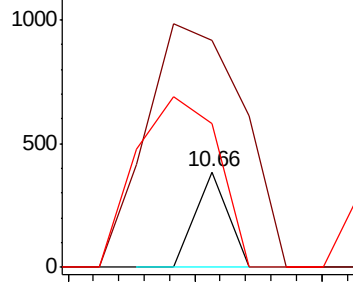
105 150.9 22.9 62.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 2.738 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

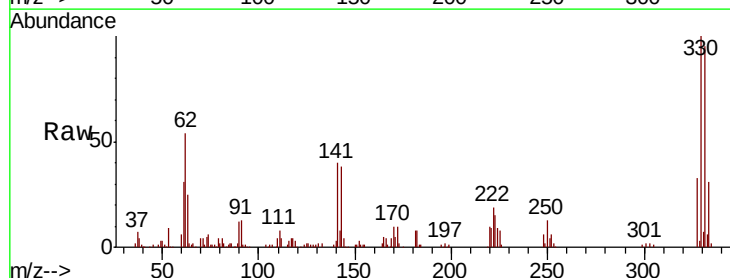
Tgt Ion:248 Resp: 8322

Ion Ratio Lower Upper

248 100

250 198.1 77.8 116.8#

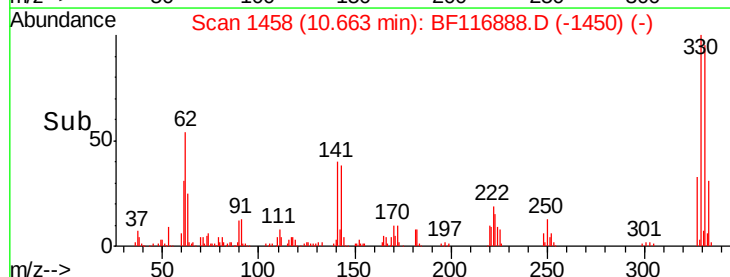
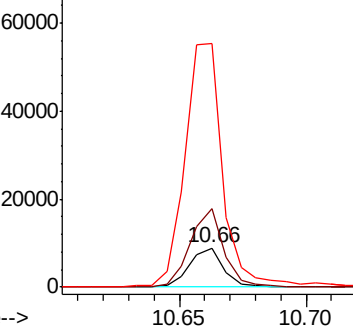
141 619.6 75.9 113.9#

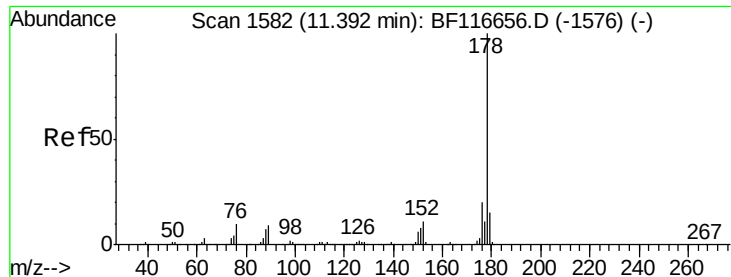


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

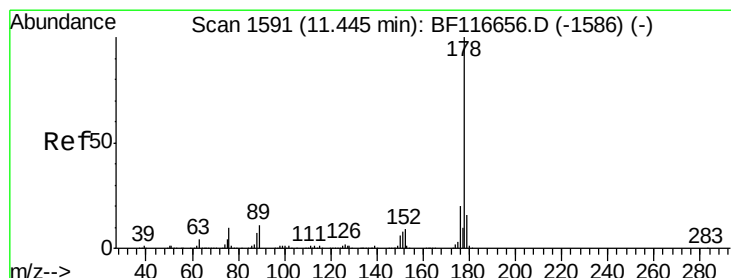
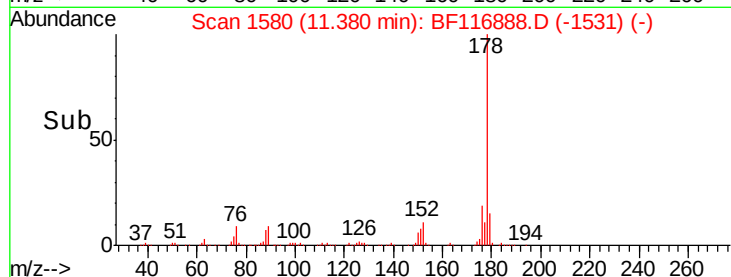
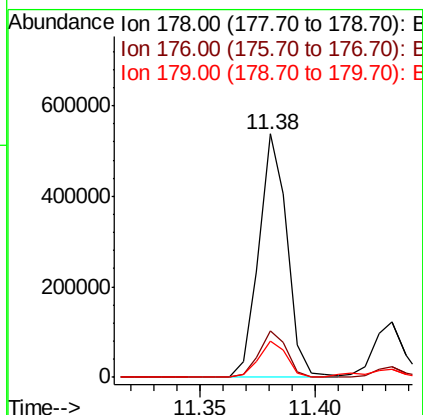
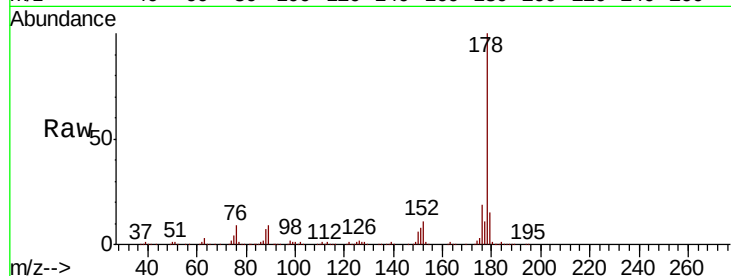




#71
Phenanthrene
Concen: 27.642 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF116888.D
Acq: 9 Sep 2019 00:02

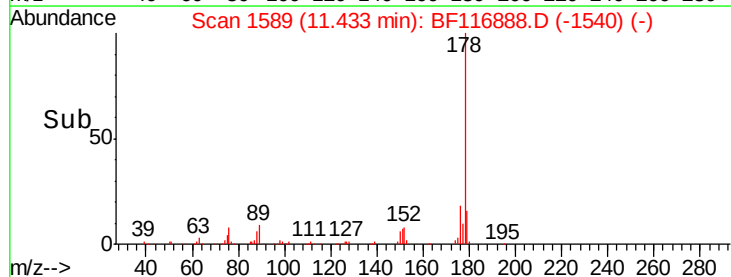
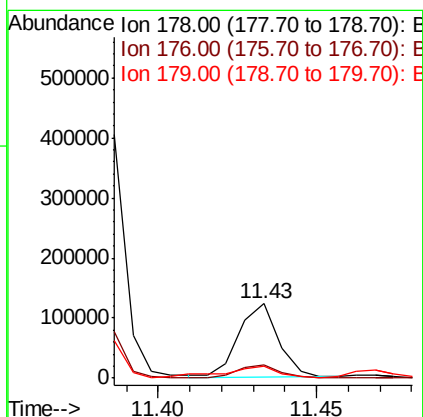
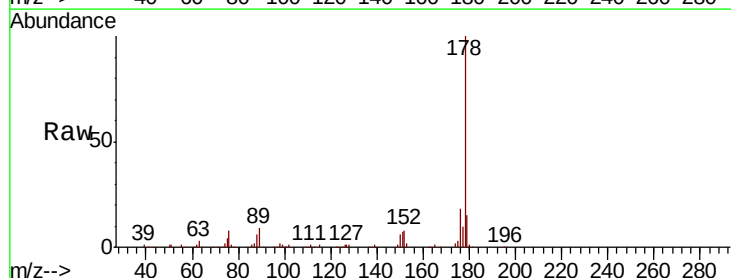
Instrument :
BNA_F
ClientSampleId :

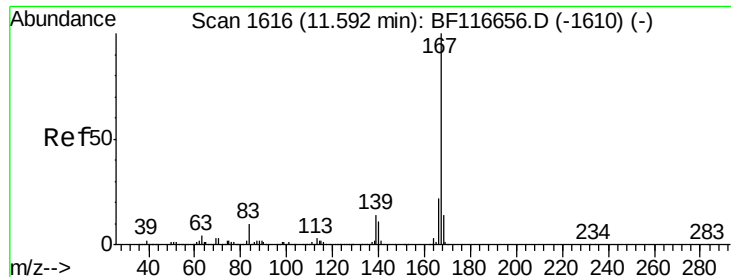
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	14.9	12.2	18.2



#72
Anthracene
Concen: 6.353 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF116888.D
Acq: 9 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	15.5	12.5	18.7





#73

Carbazole

Concen: 3.124 ng

RT: 11.59 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

Instrument :

BNA_F

ClientSampleId :

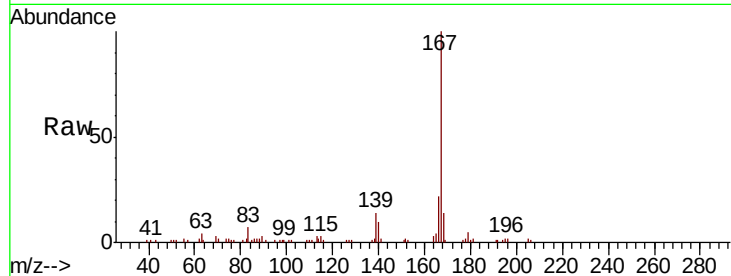
Tot Ion:167 Resp: 49900

Ion Ratio Lower Upper

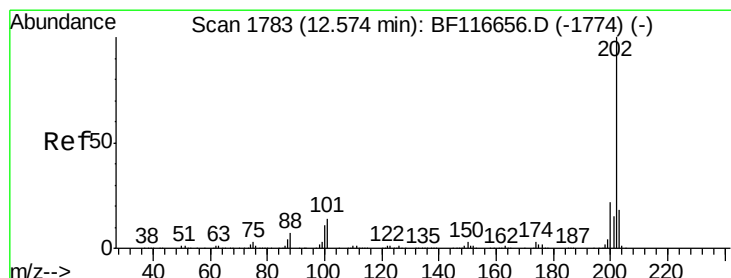
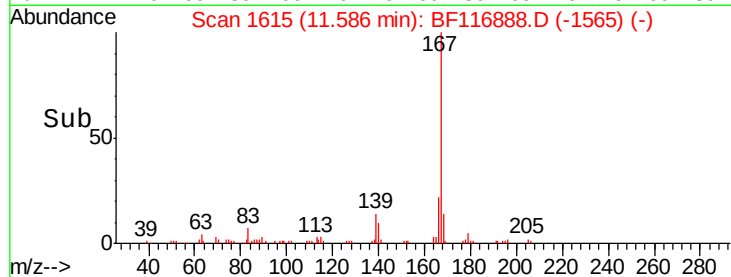
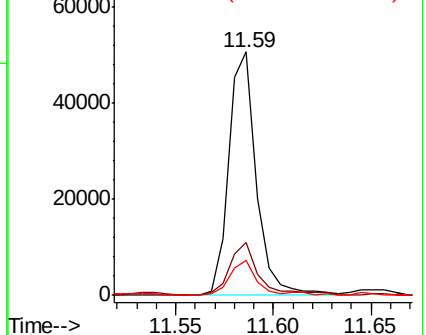
167 100

166 21.8 17.8 26.6

139 14.2 11.1 16.7



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 34.113 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

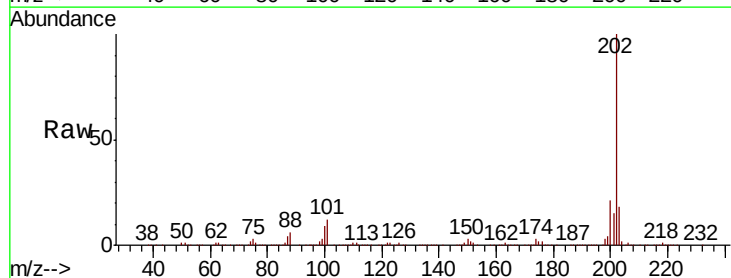
Tgt Ion:202 Resp: 558412

Ion Ratio Lower Upper

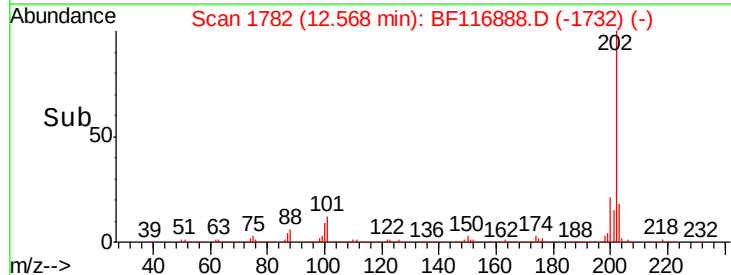
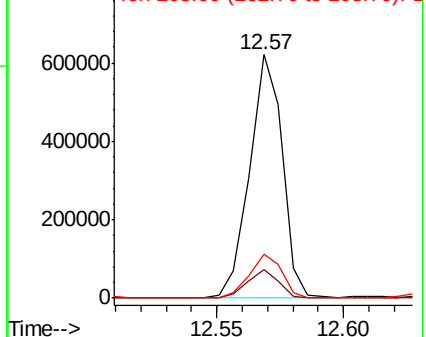
202 100

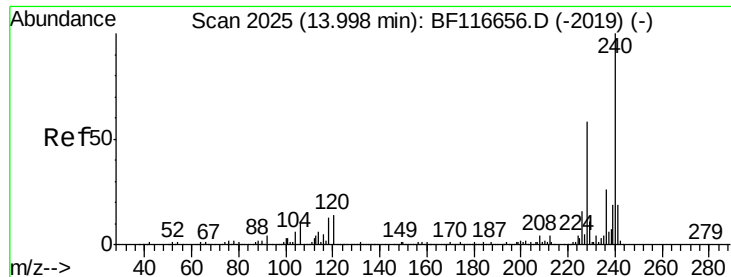
101 12.0 0.0 31.3

203 18.0 0.0 37.6



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

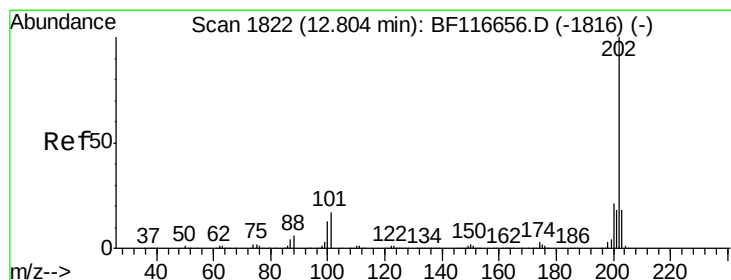
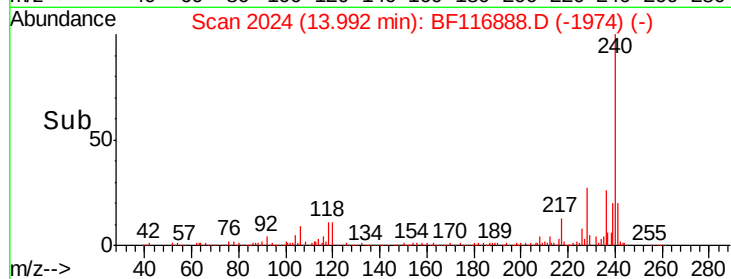
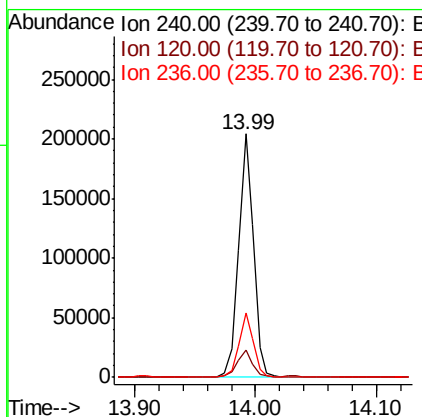
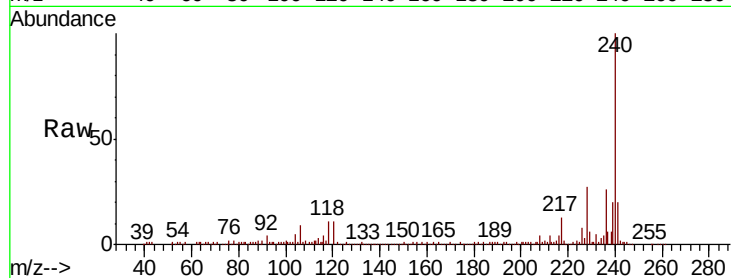




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116888.D
Acq: 9 Sep 2019 00:02

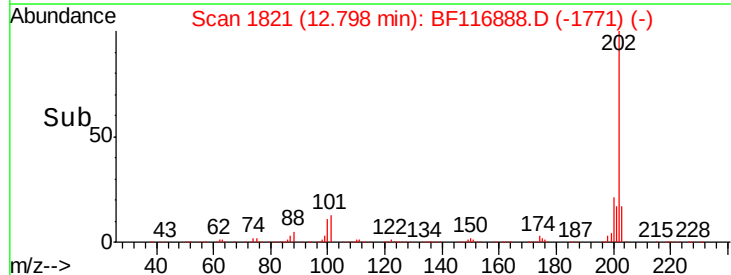
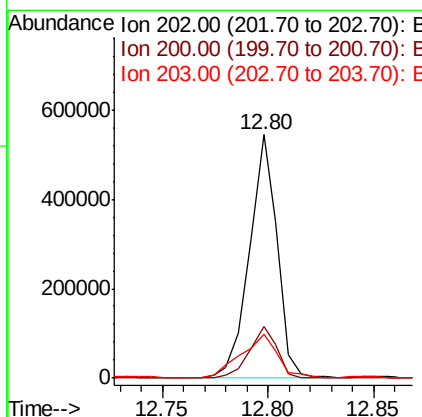
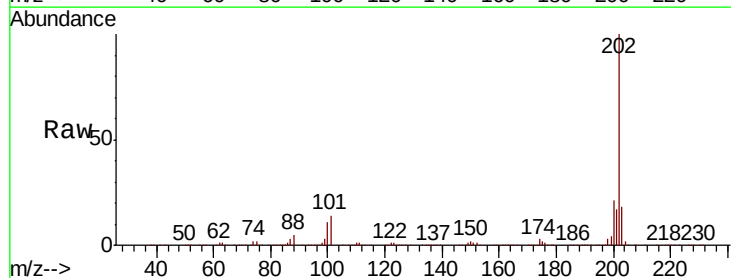
Instrument :
BNA_F
ClientSampleId :

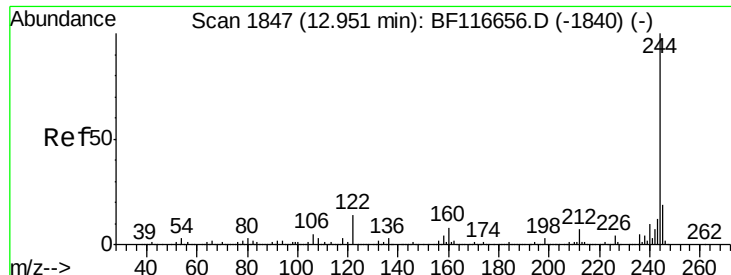
Tot Ion:240 Resp: 177007
Ion Ratio Lower Upper
240 100
120 11.3 9.1 13.7
236 26.3 21.1 31.7



#78
Pyrene
Concen: 31.537 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116888.D
Acq: 9 Sep 2019 00:02

Tgt Ion:202 Resp: 496230
Ion Ratio Lower Upper
202 100
200 21.3 16.5 24.7
203 18.0 13.7 20.5

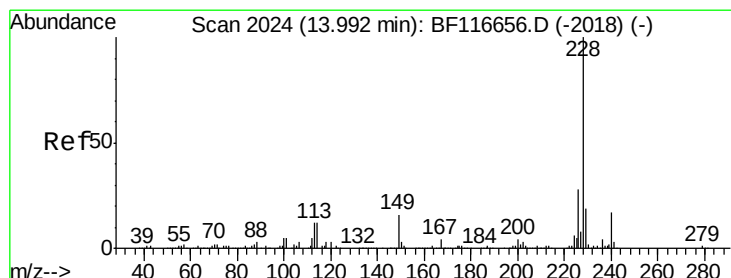
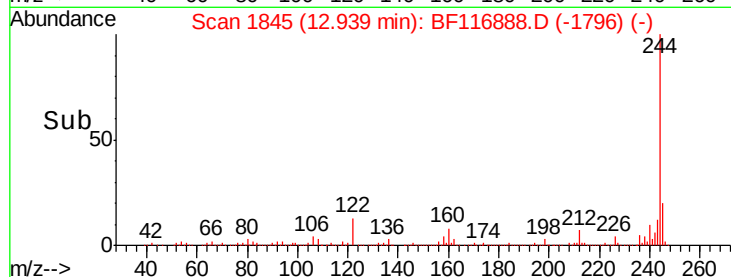
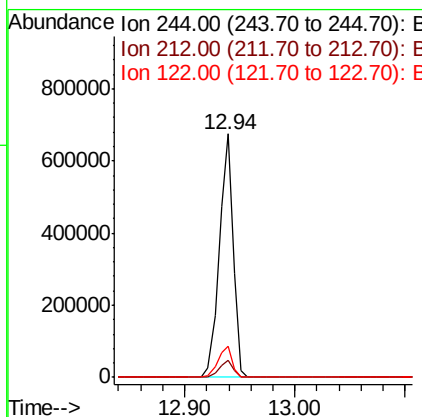
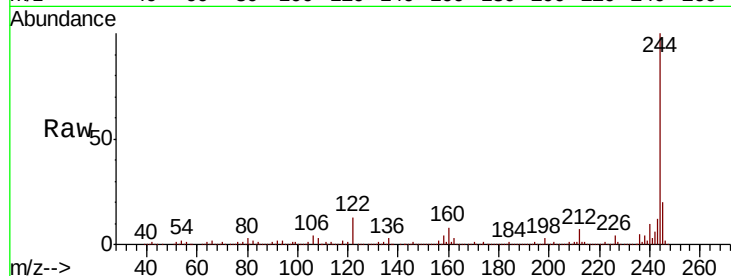




#79
 Terphenyl-d14
 Concen: 61.512 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116888.D
 Acq: 9 Sep 2019 00:02

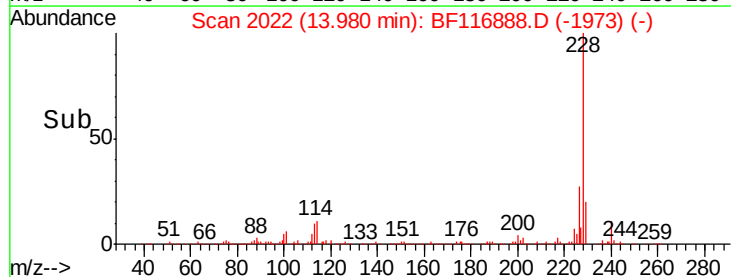
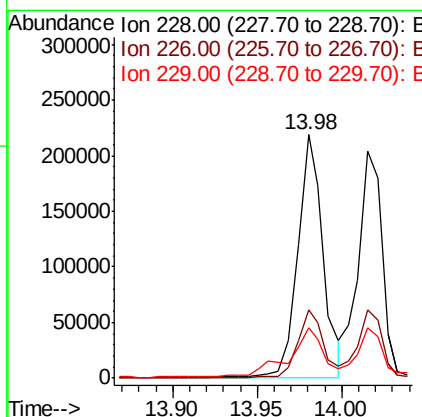
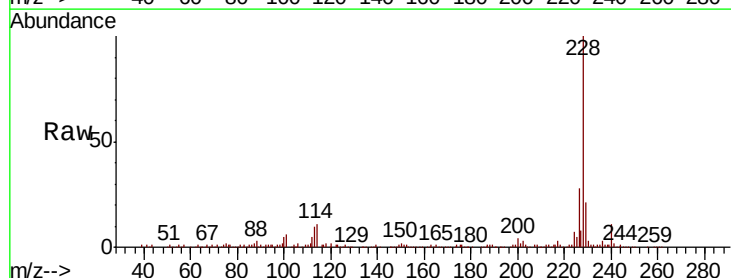
Instrument :
 BNA_F
 ClientSampleId :

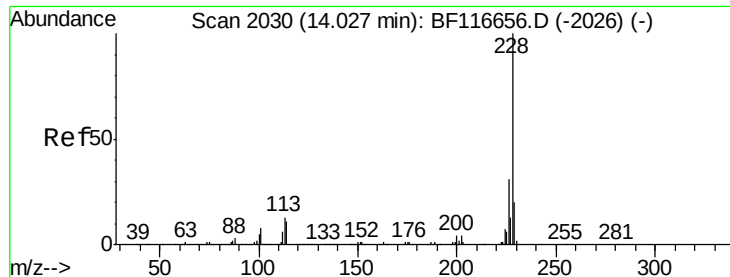
Tot Ion:244 Resp: 588565
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 12.7 10.2 15.4



#81
 Benzo(a)anthracene
 Concen: 20.433 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF116888.D
 Acq: 9 Sep 2019 00:02

Tgt Ion:228 Resp: 228910
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.0 33.0
 229 20.6 16.4 24.6





#83

Chrysene

Concen: 17.329 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

Instrument :

BNA_F

ClientSampled :

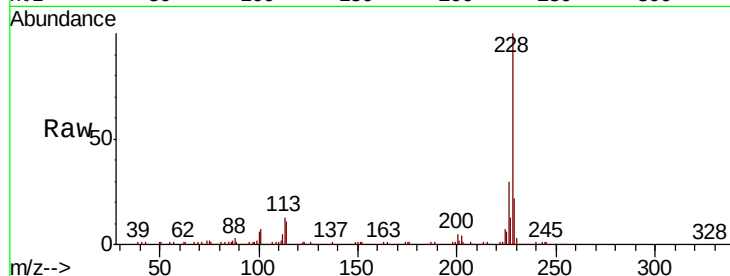
Tot Ion:228 Resp: 200007

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	22.3	15.4	23.0

228 100

226 30.2 24.0 36.0

229 22.3 15.4 23.0

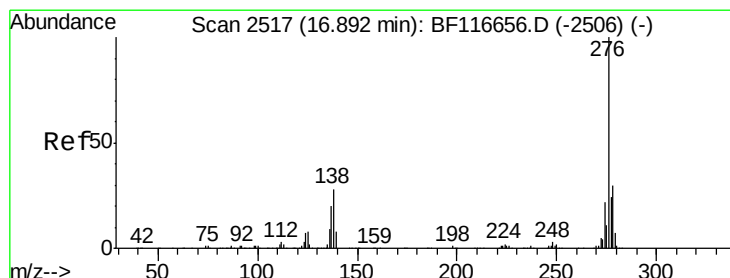
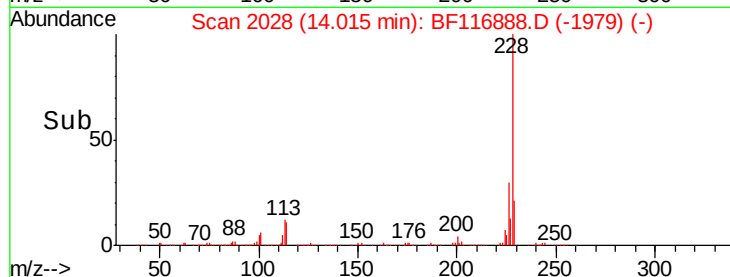
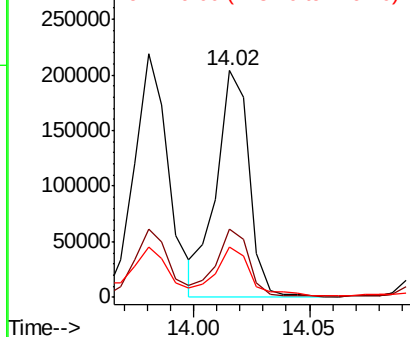


Abundance

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: 10.245 ng

RT: 16.89 min Scan# 2517

Delta R.T. -0.00 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

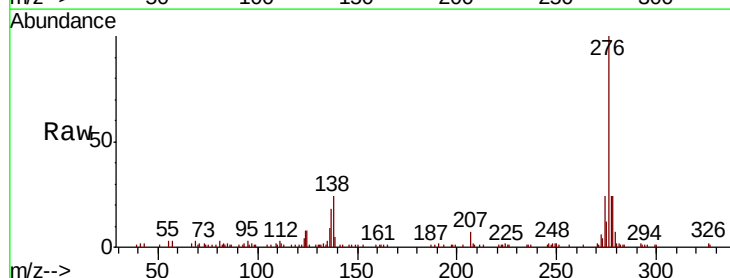
Tgt Ion:276 Resp: 94979

Ion	Ratio	Lower	Upper
276	100		
138	24.3	19.4	29.2
277	24.0	20.5	30.7

276 100

138 24.3 19.4 29.2

277 24.0 20.5 30.7

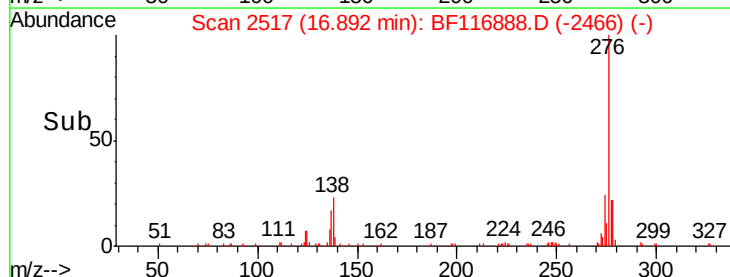
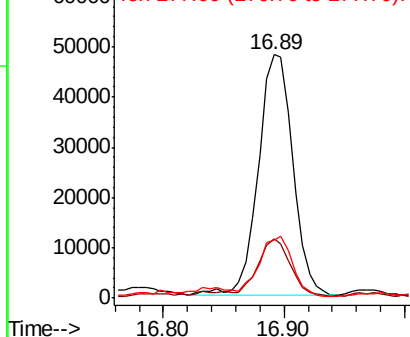


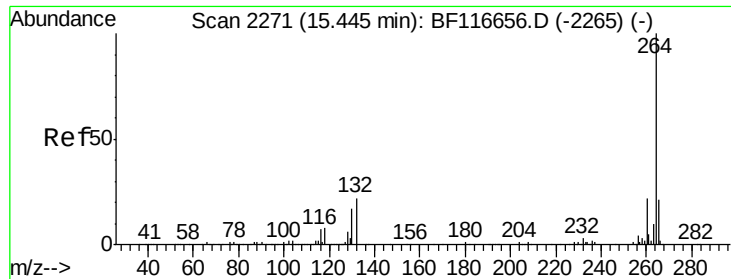
Abundance

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



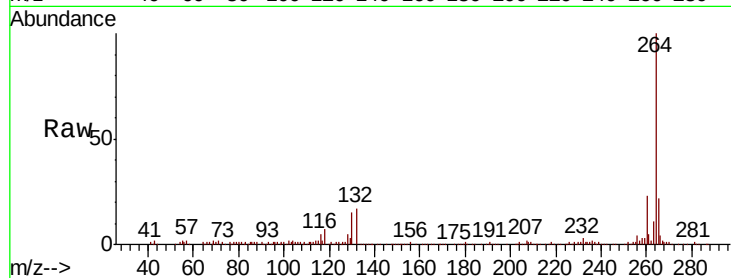


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF116888.D
Acq: 9 Sep 2019 00:02

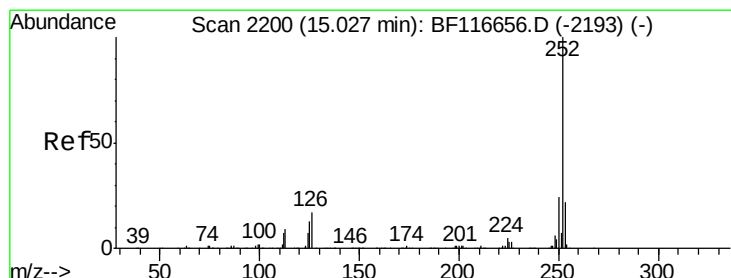
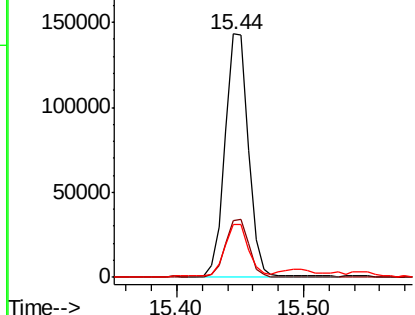
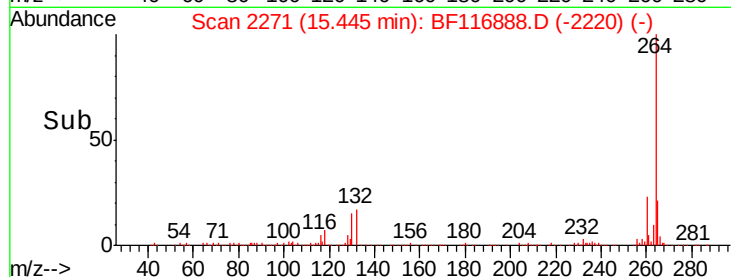
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 182004

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.3	27.5
265	21.5	16.5	24.7



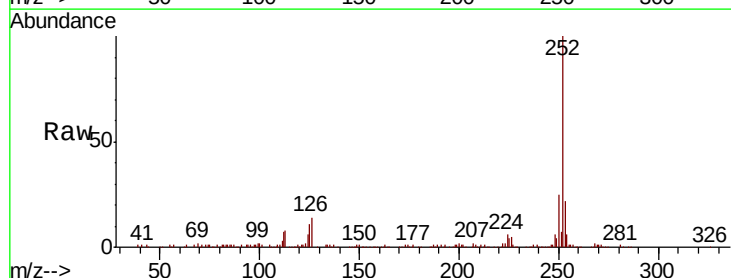
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



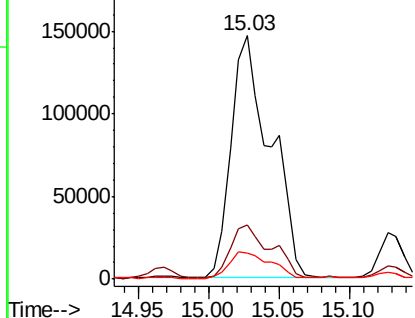
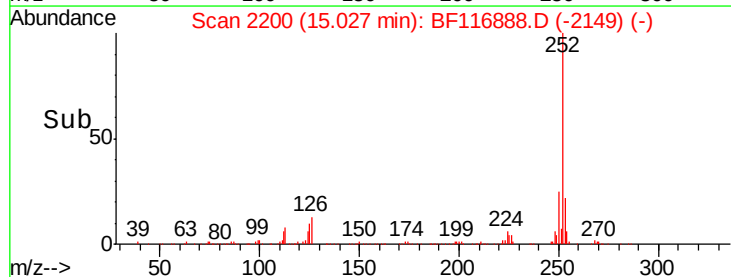
#88
Benzo(b)fluoranthene
Concen: 25.799 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BF116888.D
Acq: 9 Sep 2019 00:02

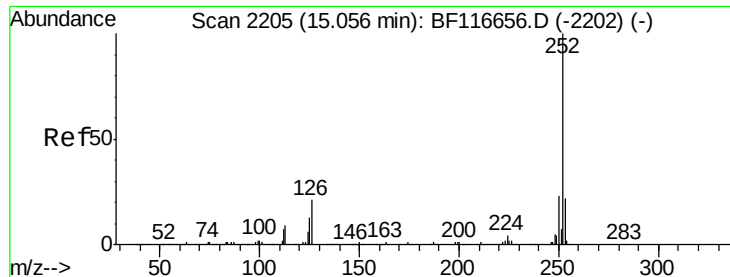
Tgt Ion:252 Resp: 283879

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	10.8	8.2	12.2



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

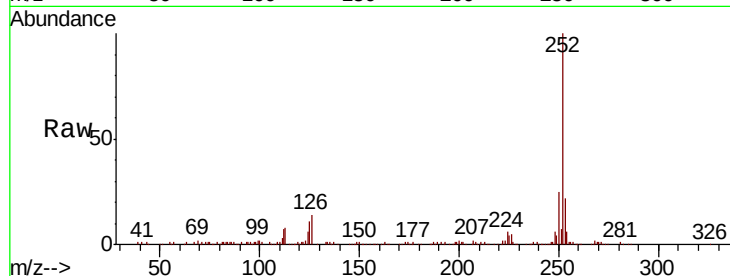




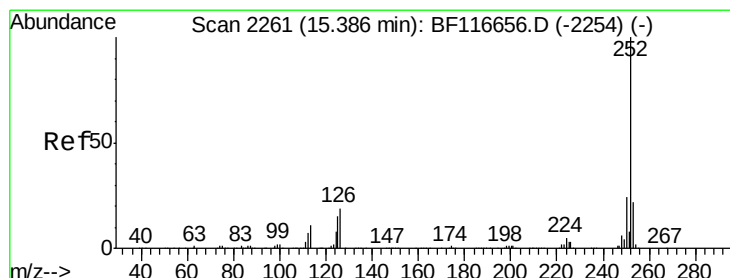
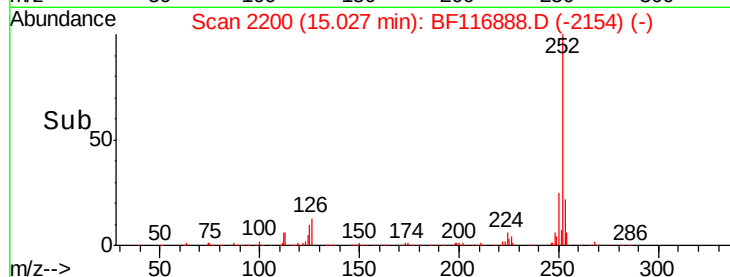
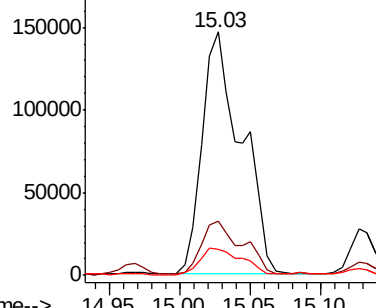
#89
Benzo(k)fluoranthene
Concen: 28.295 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.03 min
Lab File: BF116888.D
Acq: 9 Sep 2019 00:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 283879
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 10.8 8.6 13.0

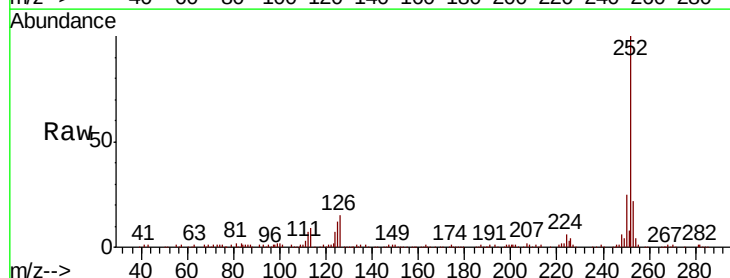


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

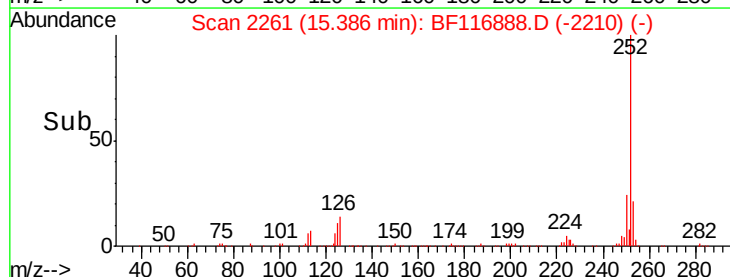
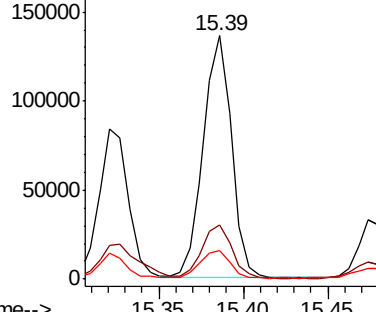


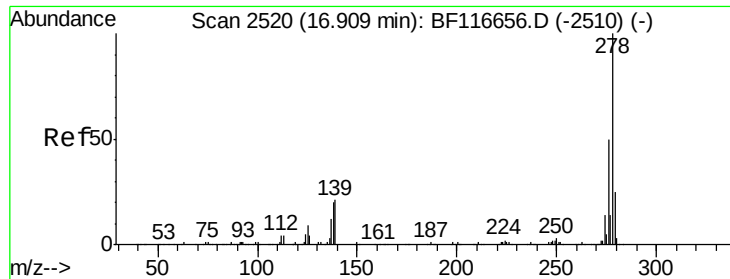
#90
Benzo(a)pyrene
Concen: 16.562 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.00 min
Lab File: BF116888.D
Acq: 9 Sep 2019 00:02

Tgt Ion:252 Resp: 158549
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 11.7 9.8 14.8



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: 3.107 ng

RT: 16.90 min Scan# 2519

Delta R.T. -0.01 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

Instrument :

BNA_F

ClientSampleId :

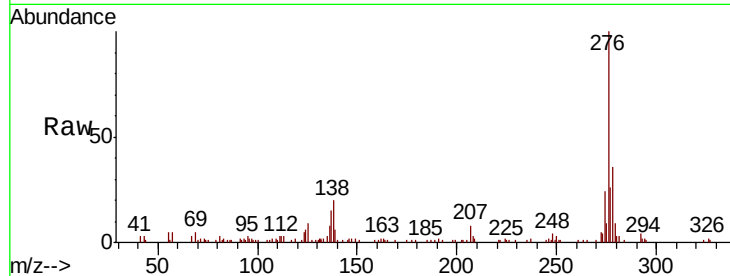
Tot Ion:278 Resp: 26035

Ion Ratio Lower Upper

278 100

139 17.8 12.4 18.6

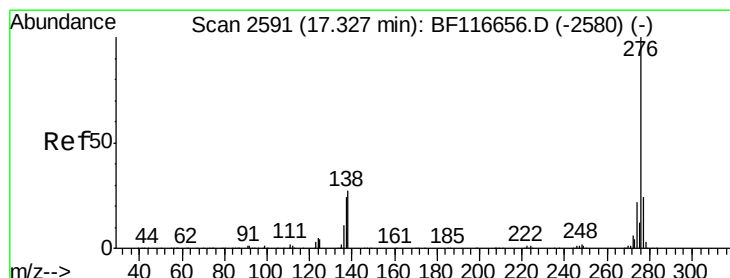
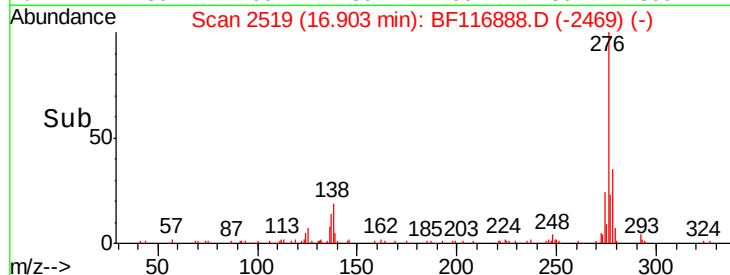
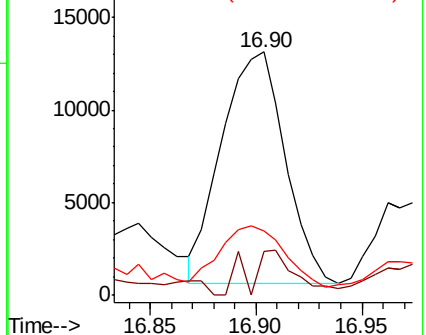
279 26.4 18.2 27.4



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: 9.998 ng

RT: 17.33 min Scan# 2592

Delta R.T. 0.01 min

Lab File: BF116888.D

Acq: 9 Sep 2019 00:02

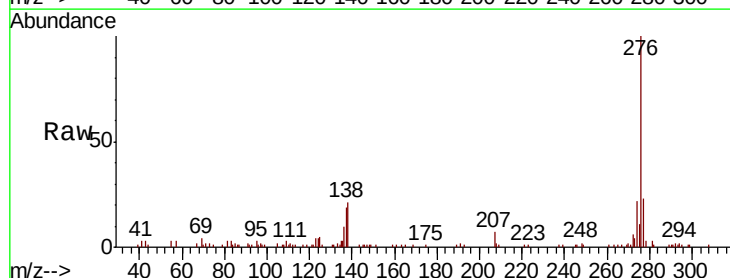
Tgt Ion:276 Resp: 85445

Ion Ratio Lower Upper

276 100

277 23.3 18.5 27.7

138 21.3 16.2 24.2



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

