

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116842.D
 Acq On : 5 Sep 2019 17:08
 Operator : HP/JU
 Sample : K4694-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 03:55:17 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

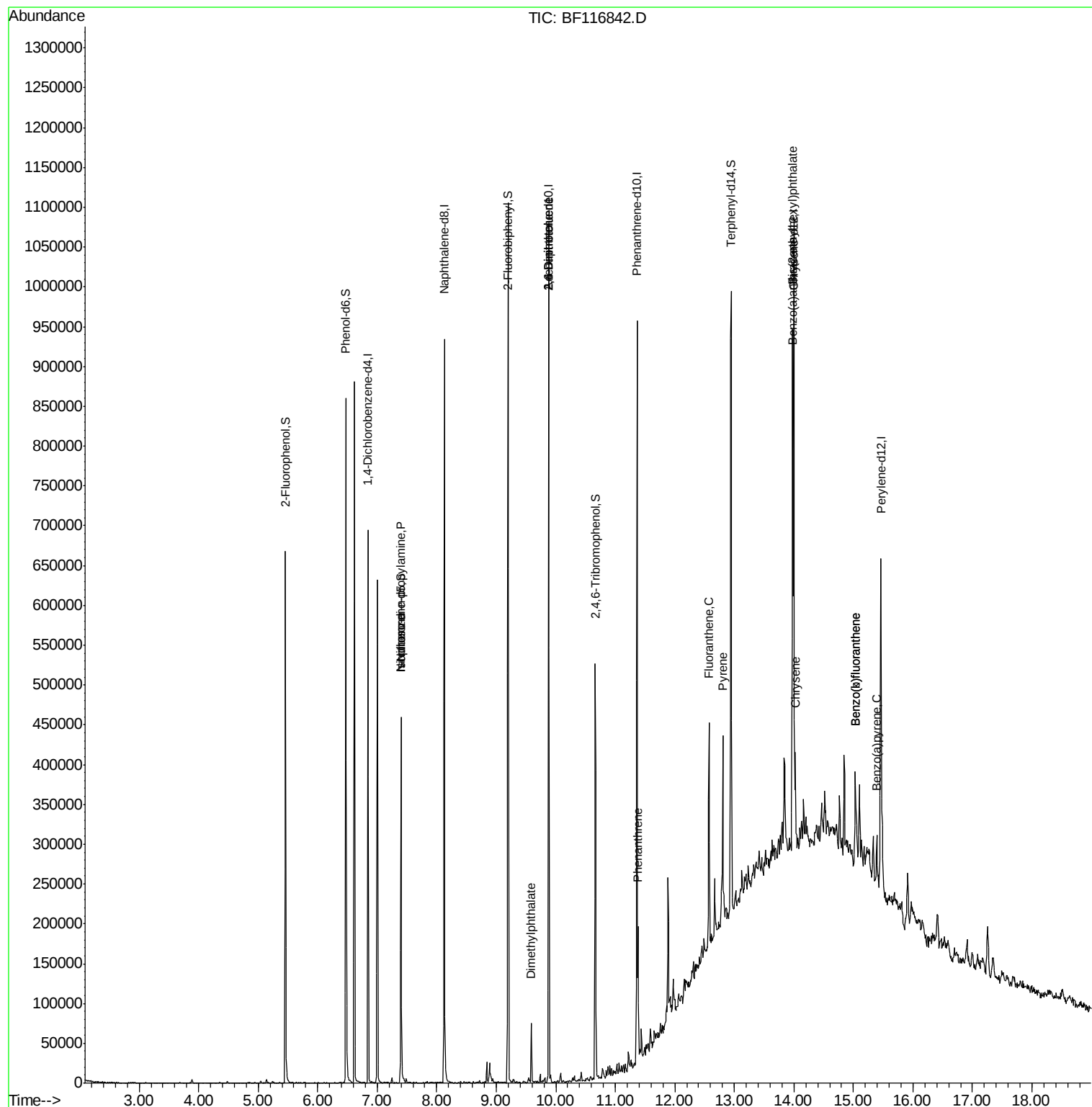
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	92745	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	387946	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	196355	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	295491	20.00	ng	0.00
76) Chrysene-d12	14.00	240	226218	20.00	ng	0.00
87) Perylene-d12	15.46	264	189911	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	194298	33.94	ng	0.00
7) Phenol-d6	6.47	99	267998	35.65	ng	0.00
23) Nitrobenzene-d5	7.40	82	161171	23.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	51654	39.35	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	303269	26.05	ng	-0.01
79) Terphenyl-d14	12.94	244	252010	20.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	21382	4.320	ng	# 70
25) Isophorone	7.40	82	161168	11.704	ng	# 66
50) Dimethylphthalate	9.59	163	28527	2.104	ng	97
51) 2,6-Dinitrotoluene	9.88	165	24809	9.592	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	24809	7.845	ng	# 21
71) Phenanthrene	11.39	178	53858	3.274	ng	97
75) Fluoranthene	12.57	202	105755	6.542	ng	99
78) Pyrene	12.80	202	89754	4.463	ng	99
81) Benzo(a)anthracene	13.99	228	45718	3.193	ng	95
83) Chrysene	14.02	228	46894	3.179	ng	97
84) Bis(2-ethylhexyl)phthalate	13.97	149	180467	14.950	ng	98
88) Benzo(b)fluoranthene	15.03	252	75108	6.542	ng	# 92
89) Benzo(k)fluoranthene	15.03	252	75108	7.174	ng	# 92
90) Benzo(a)pyrene	15.39	252	28040	2.807	ng	# 93

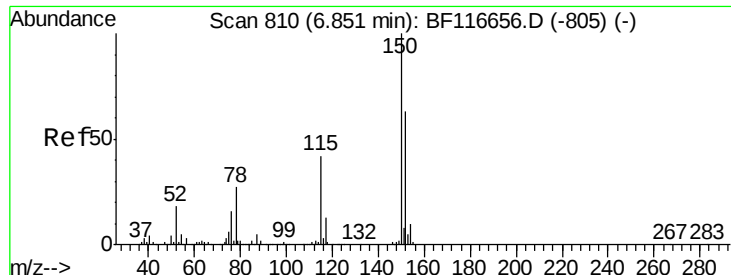
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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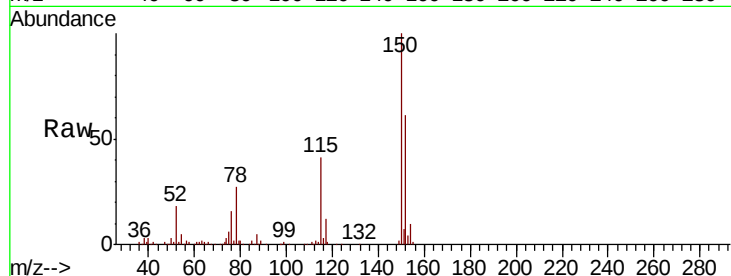


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116842.D
Acq: 5 Sep 2019 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.6	124.4	186.6
115	67.2	49.9	74.9

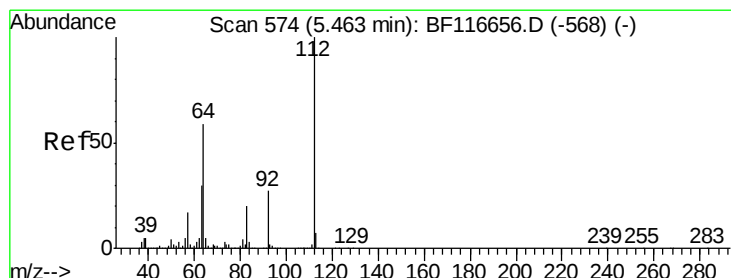
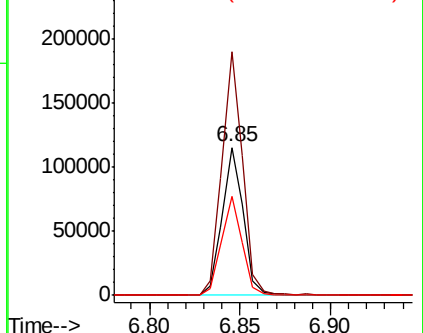
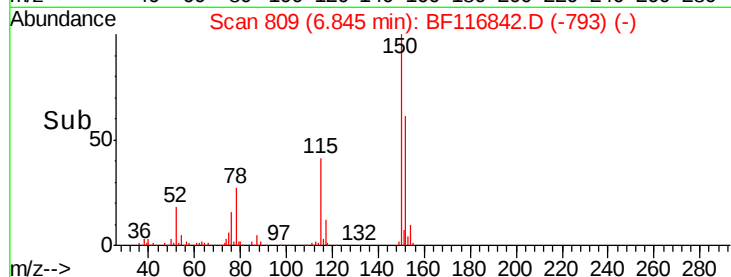


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

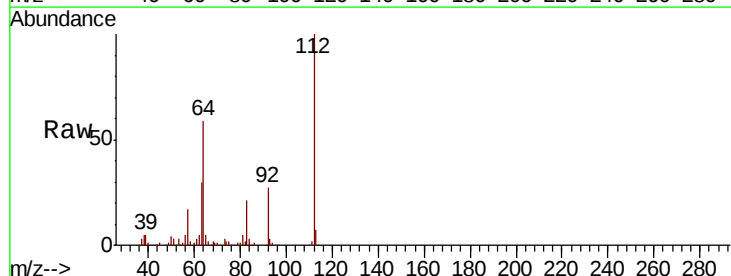
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 33.940 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116842.D
Acq: 5 Sep 2019 17:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.1	70.7
63	30.4	24.9	37.3

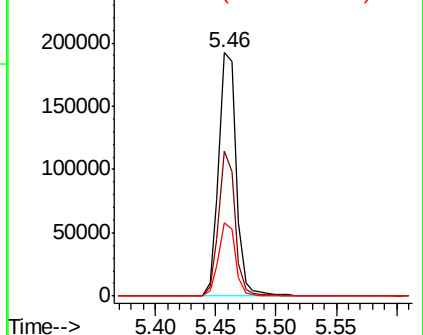
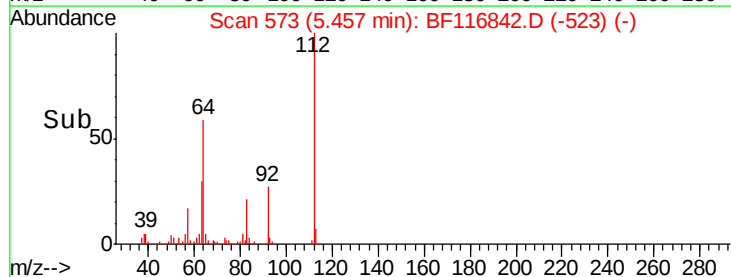


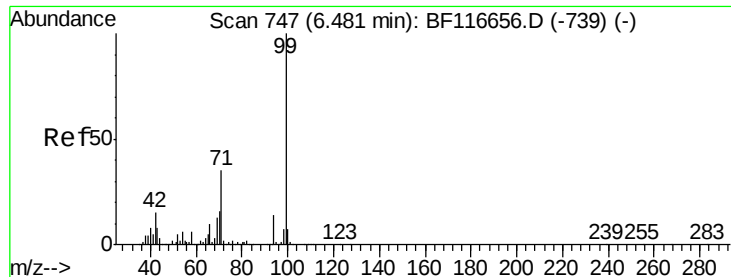
Abundance

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: 35.651 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116842.D

Acq: 5 Sep 2019 17:08

Instrument :

BNA_F

ClientSampleId :

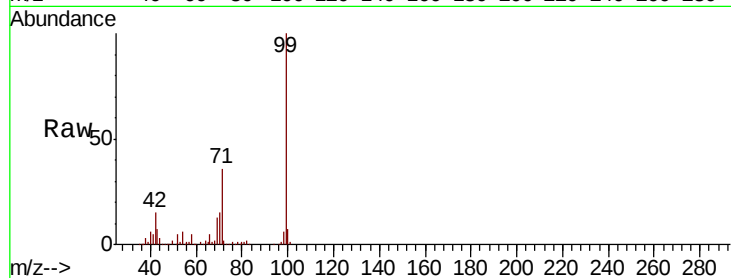
Tot Ion: 99 Resp: 267998

Ion Ratio Lower Upper

99 100

42 14.7 13.7 20.5

71 35.9 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

400000

300000

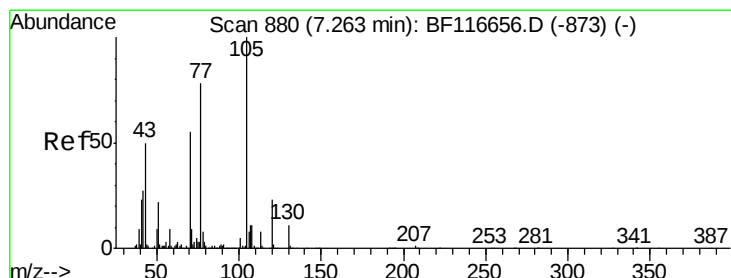
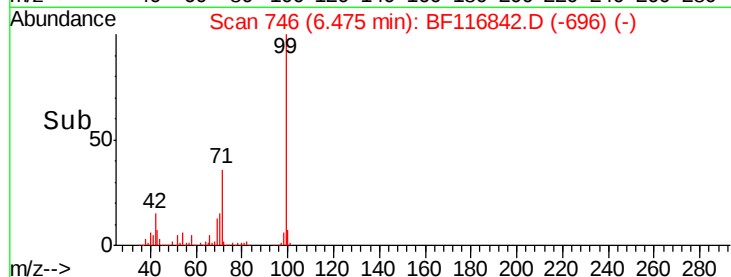
200000

100000

0

6.40 6.47 6.50 6.60

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 4.320 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF116842.D

Acq: 5 Sep 2019 17:08

Tgt Ion: 70 Resp: 21382

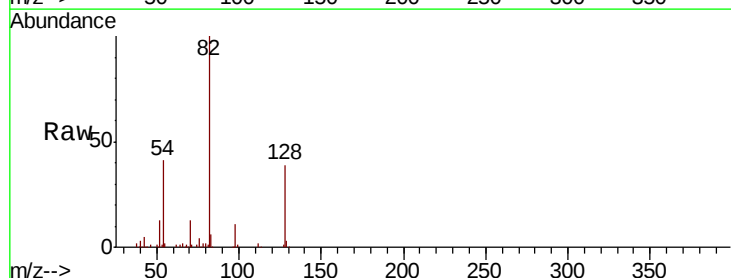
Ion Ratio Lower Upper

70 100

42 35.2 43.5 65.3#

101 0.0 7.8 11.6#

130 1.8 16.6 24.8#



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

30000

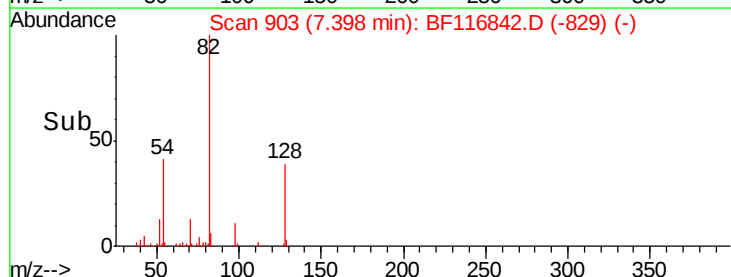
20000

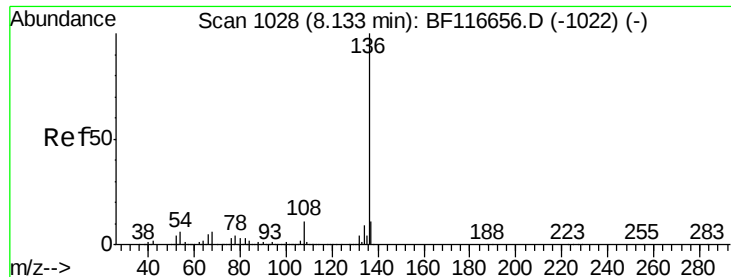
10000

0

7.35 7.40 7.45

Time-->

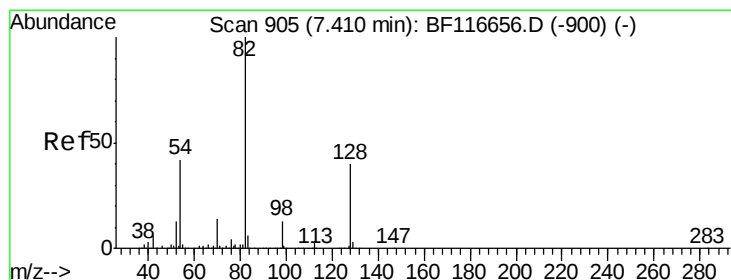
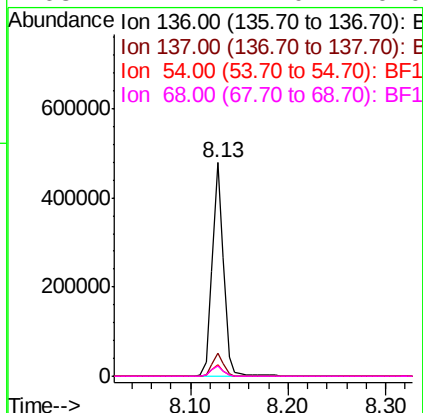
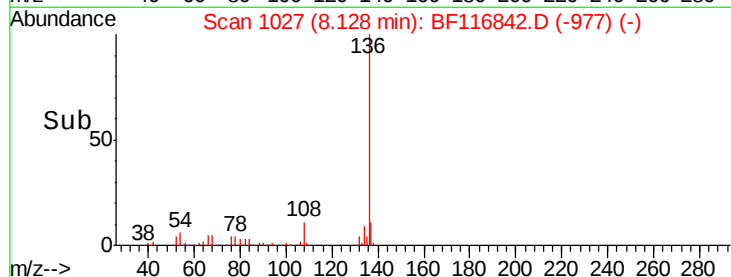
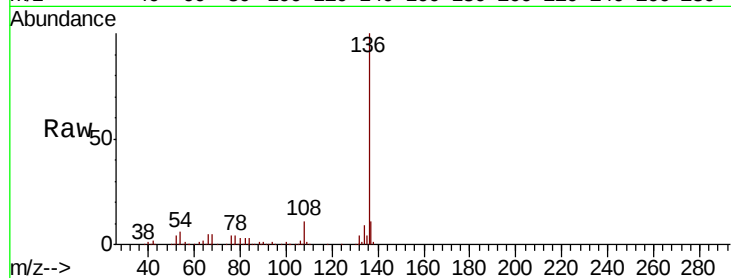




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116842.D
Acq: 5 Sep 2019 17:08

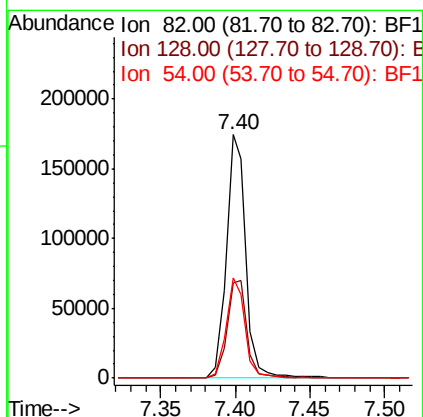
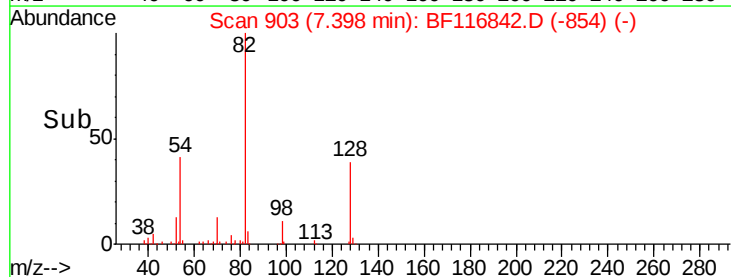
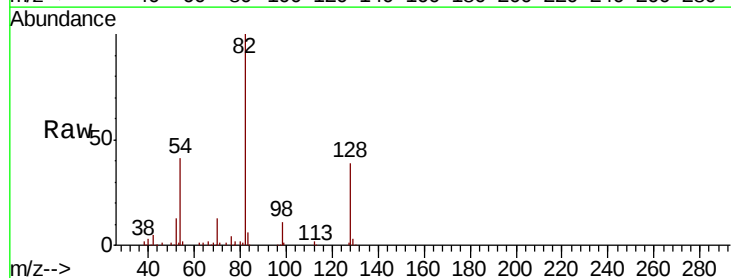
Instrument :
BNA_F
ClientSampleId :

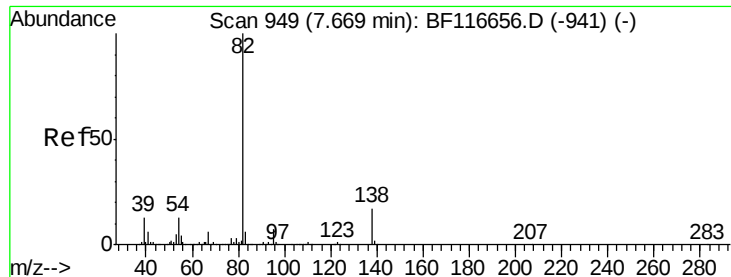
Tot Ion:136	Resp:	387946
Ion Ratio	Lower	Upper
136 100		
137 10.7	8.9	13.3
54 5.6	4.8	7.2
68 4.7	4.0	6.0



#23
Nitrobenzene-d5
Concen: 23.717 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116842.D
Acq: 5 Sep 2019 17:08

Tgt Ion: 82	Resp: 161171
Ion Ratio	Lower Upper
82 100	
128 39.2	32.8 49.2
54 41.4	36.9 55.3





#25

Isophorone

Concen: 11.704 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF116842.D

Acq: 5 Sep 2019 17:08

Instrument :

BNA_F

ClientSampleId :

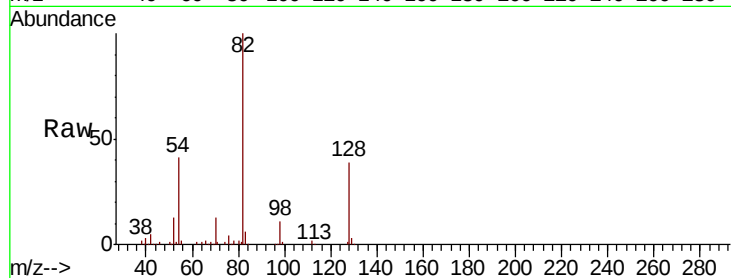
Tot Ion: 82 Resp: 161168

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

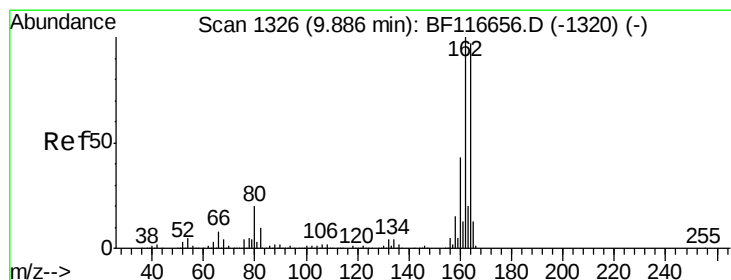
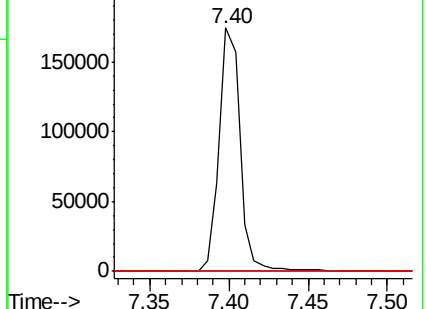
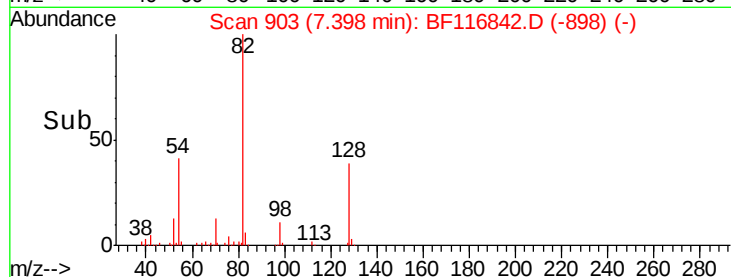
138 0.0 13.5 20.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116842.D

Acq: 5 Sep 2019 17:08

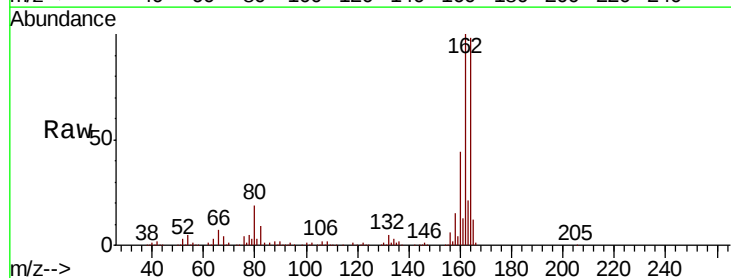
Tgt Ion:164 Resp: 196355

Ion Ratio Lower Upper

164 100

162 102.4 81.4 122.0

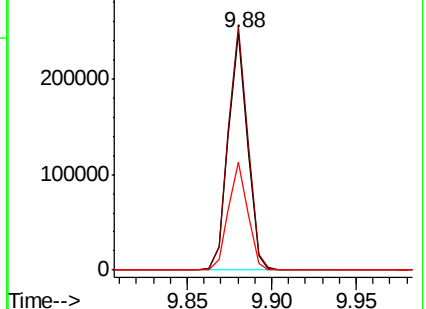
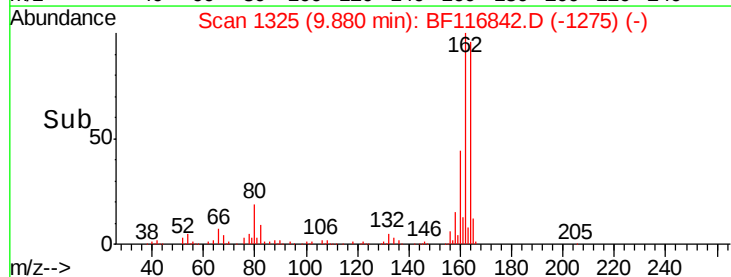
160 45.2 35.4 53.2

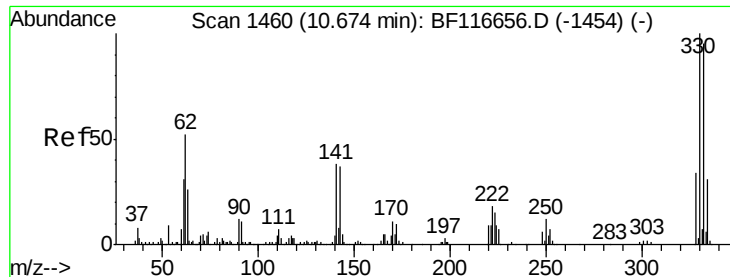


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 39.350 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116842.D

Acq: 5 Sep 2019 17:08

Instrument :

BNA_F

ClientSampleId :

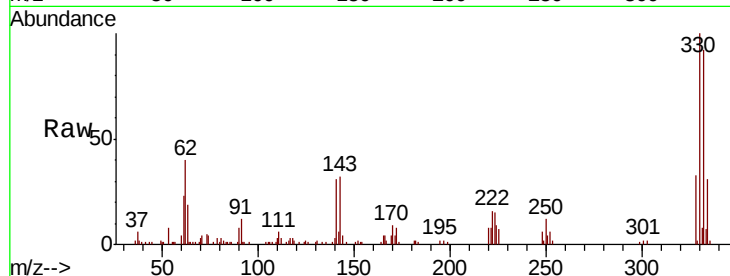
Tot Ion:330 Resp: 51654

Ion Ratio Lower Upper

330 100

332 92.7 76.9 115.3

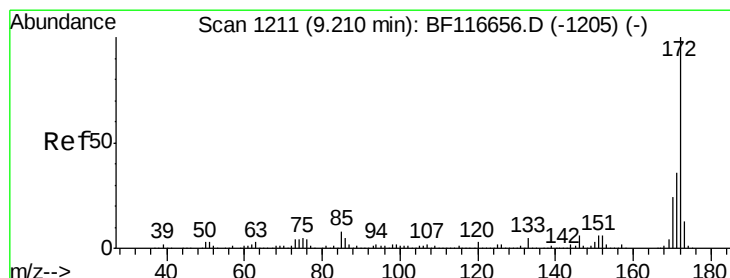
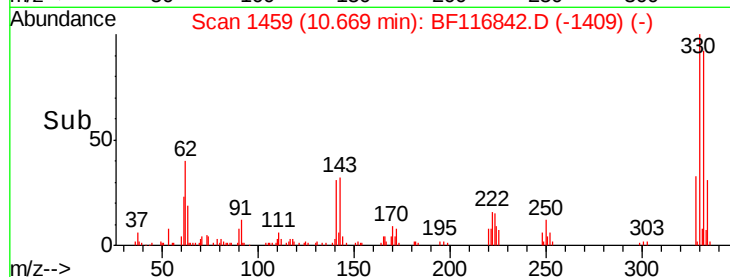
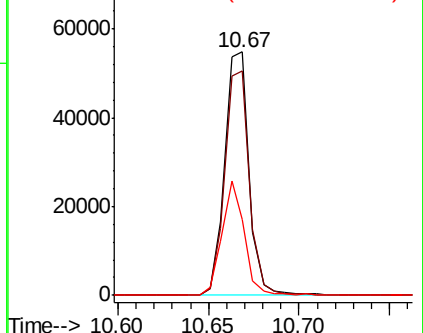
141 42.5 31.4 47.2



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: 26.054 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116842.D

Acq: 5 Sep 2019 17:08

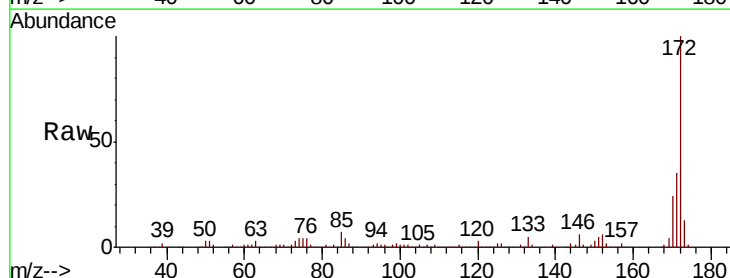
Tgt Ion:172 Resp: 303269

Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

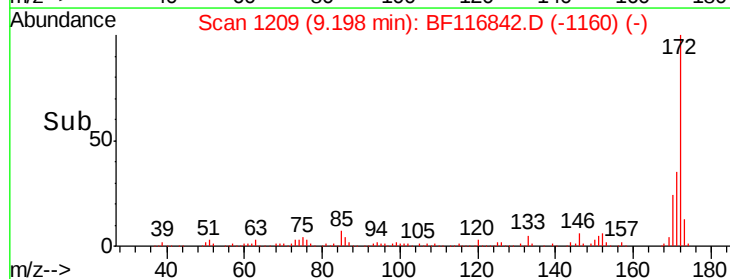
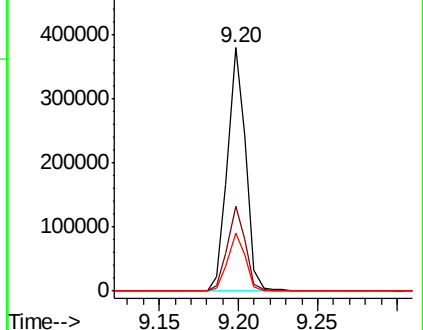
170 23.8 18.9 28.3

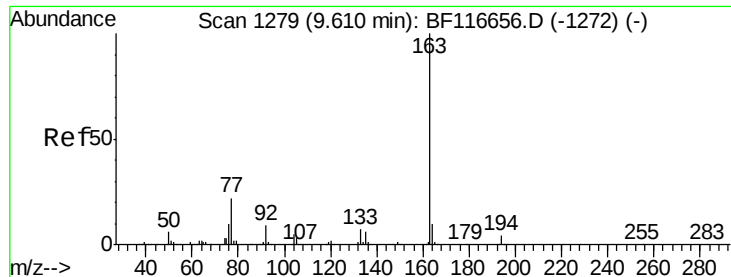


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

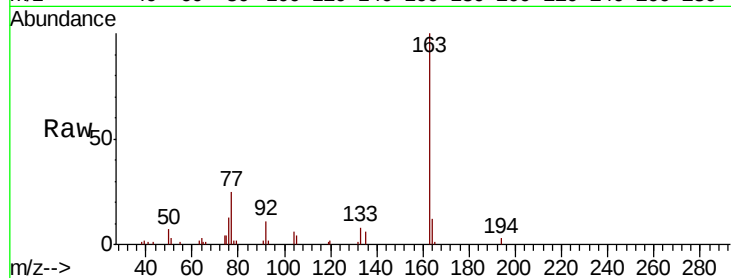




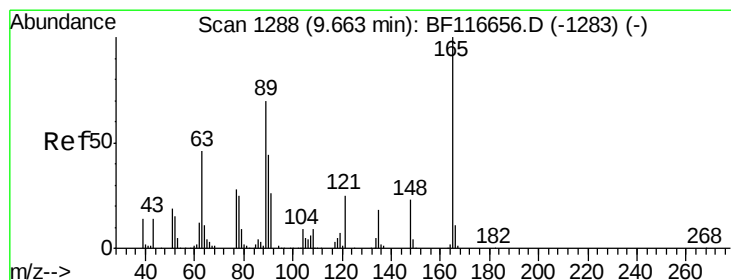
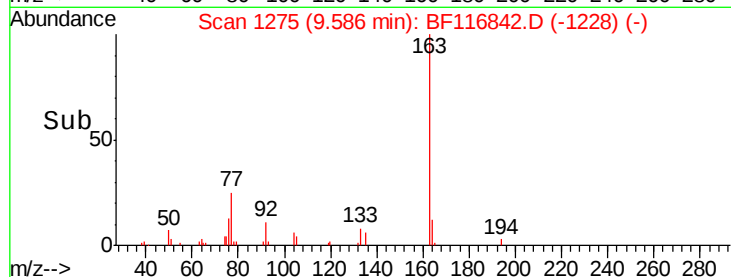
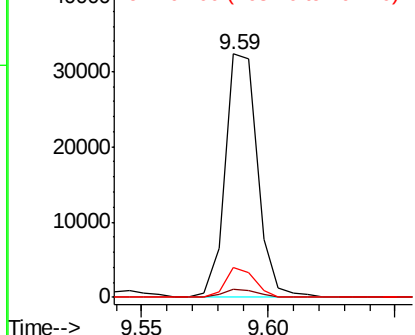
#50
Dimethylphthalate
Concen: 2.104 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116842.D
Acq: 5 Sep 2019 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	12.4	8.6	12.8

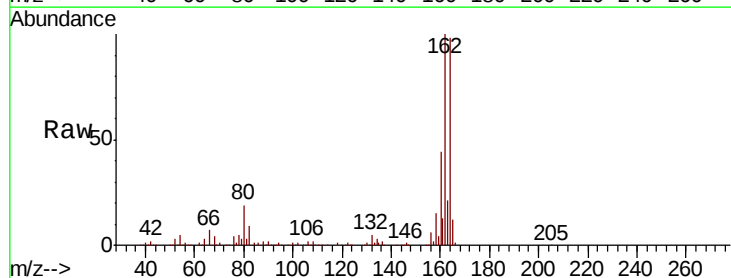


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

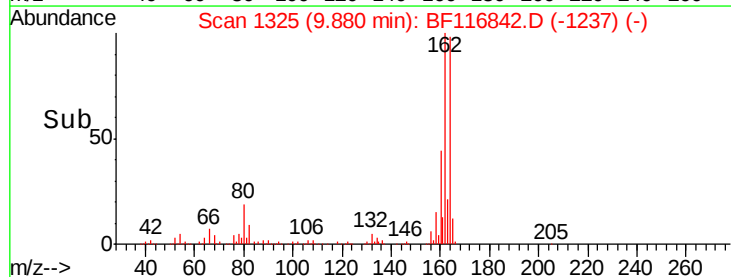
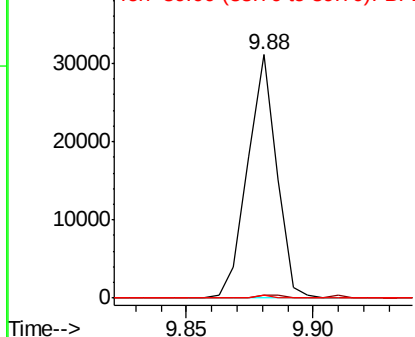


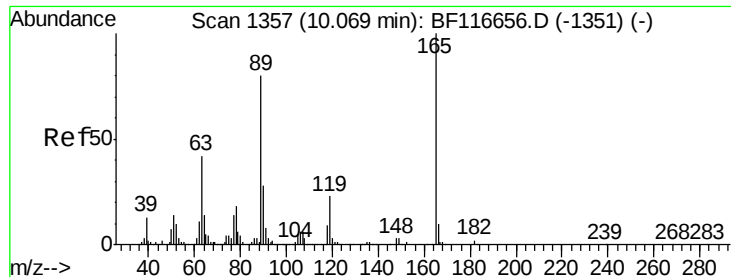
#51
2,6-Dinitrotoluene
Concen: 9.592 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.22 min
Lab File: BF116842.D
Acq: 5 Sep 2019 17:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	47.3	70.9#
89	1.3	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

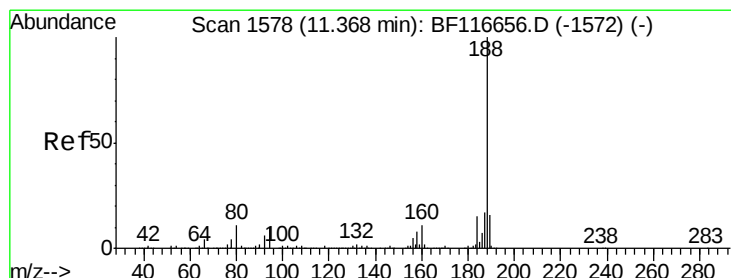
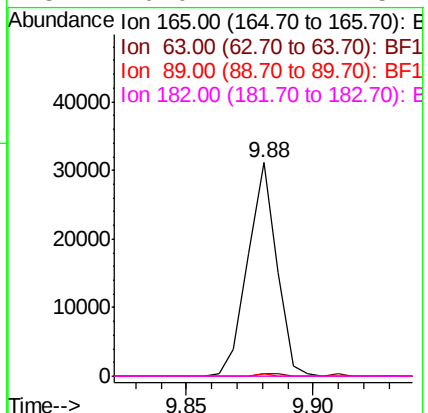
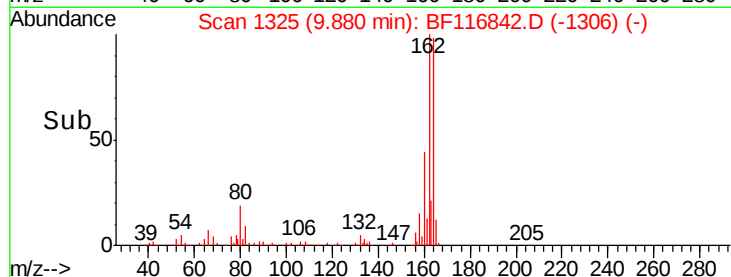
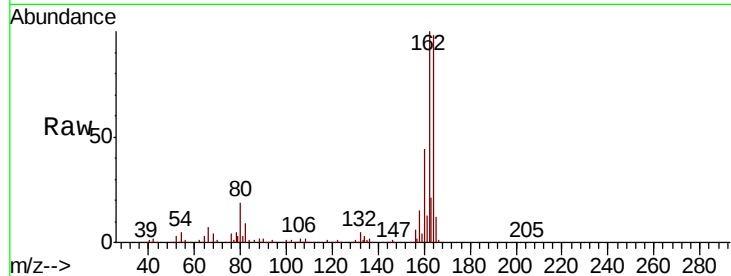




#57
 2,4-Dinitrotoluene
 Concen: 7.845 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116842.D
 Acq: 5 Sep 2019 17:08

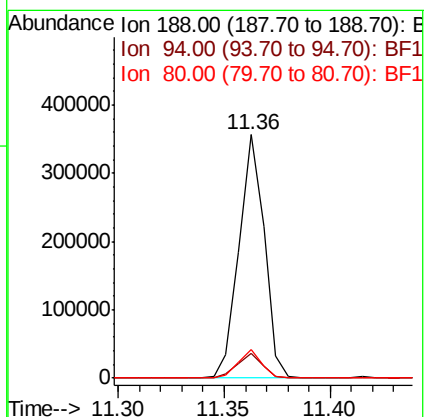
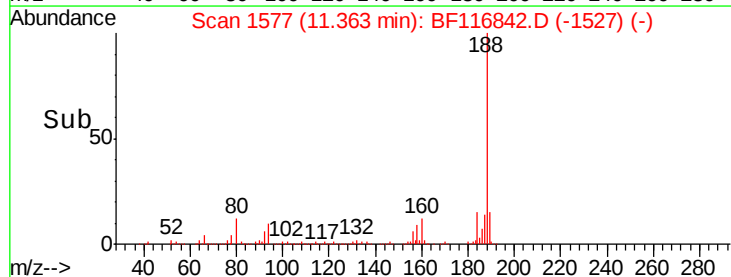
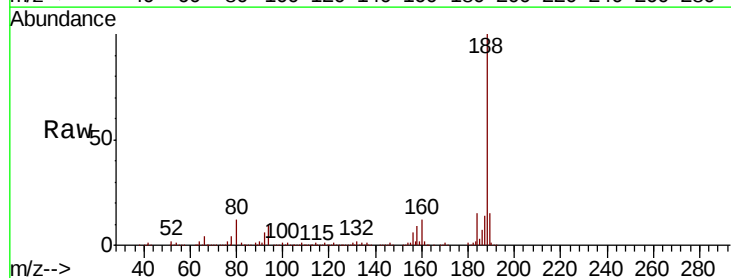
Instrument :
 BNA_F
 ClientSampleId :

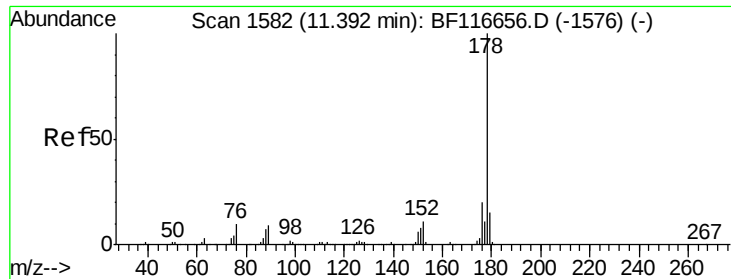
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.3	62.6	94.0#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116842.D
 Acq: 5 Sep 2019 17:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.3	10.9
80	11.7	8.4	12.6

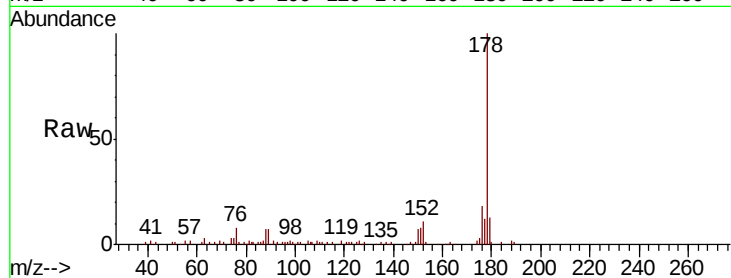




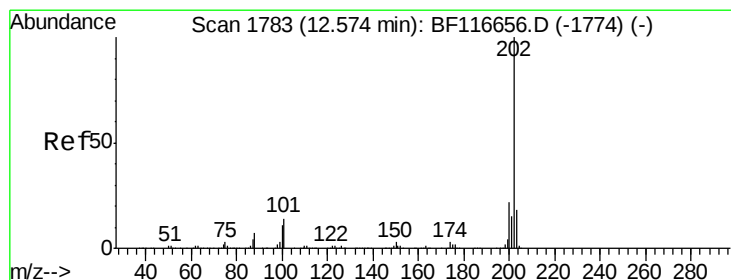
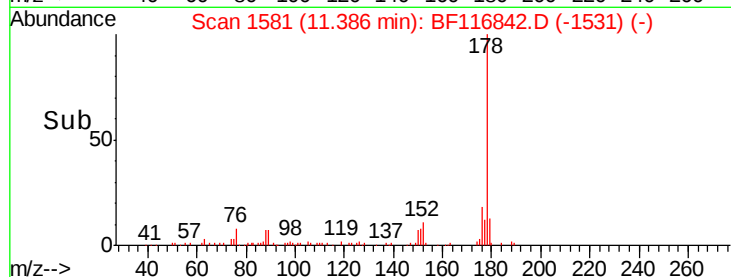
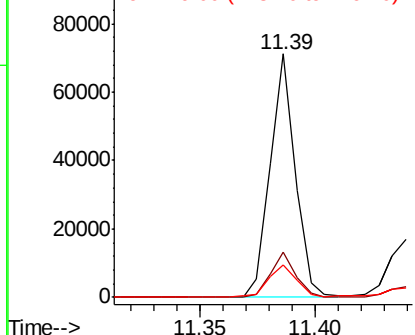
#71
Phenanthrene
Concen: 3.274 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116842.D
Acq: 5 Sep 2019 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	13.4	12.2	18.2

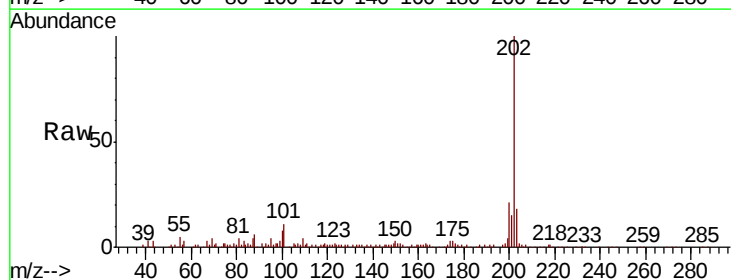


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

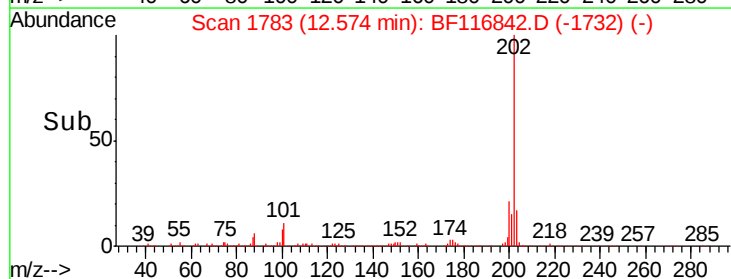
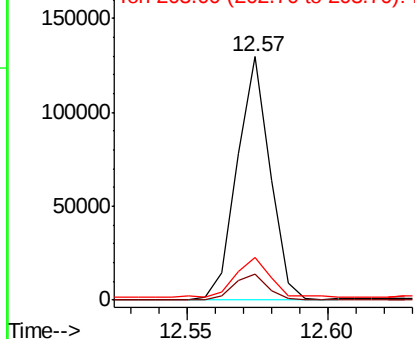


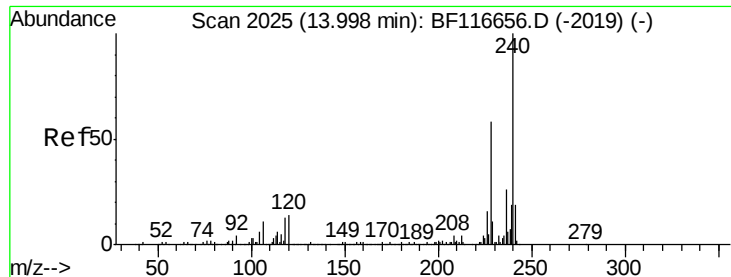
#75
Fluoranthene
Concen: 6.542 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF116842.D
Acq: 5 Sep 2019 17:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.3
203	17.6	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: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF116842.D

Acq: 5 Sep 2019 17:08

Instrument :

BNA_F

ClientSampleId :

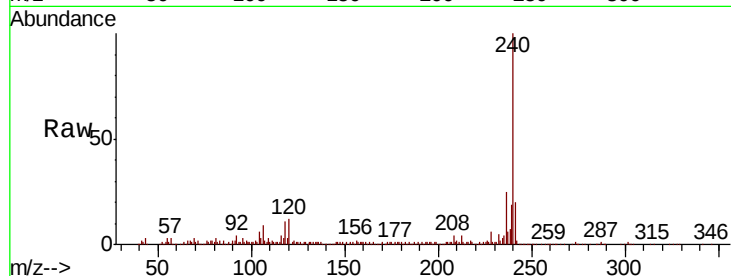
Tot Ion:240 Resp: 226218

Ion Ratio Lower Upper

240 100

120 12.2 9.1 13.7

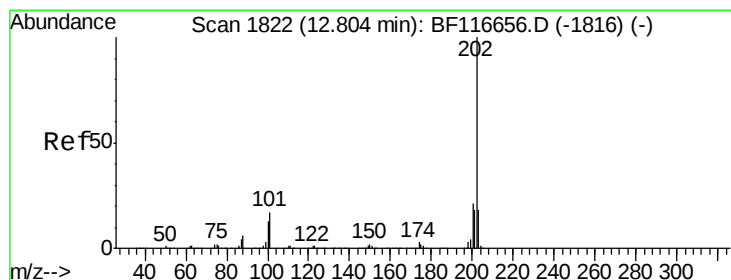
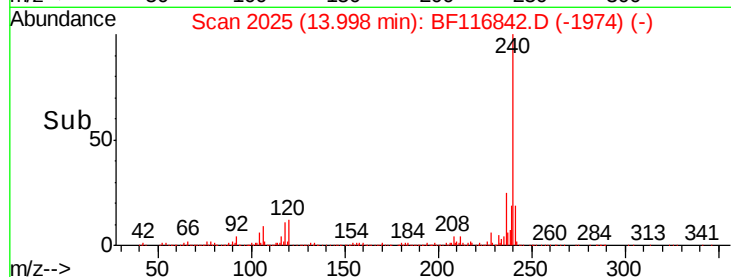
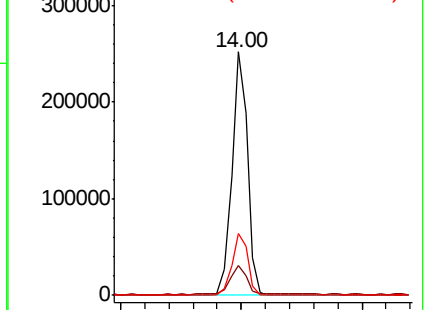
236 25.4 21.1 31.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 4.463 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF116842.D

Acq: 5 Sep 2019 17:08

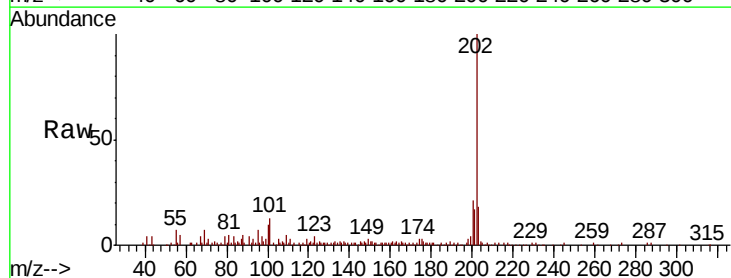
Tgt Ion:202 Resp: 89754

Ion Ratio Lower Upper

202 100

200 20.9 16.5 24.7

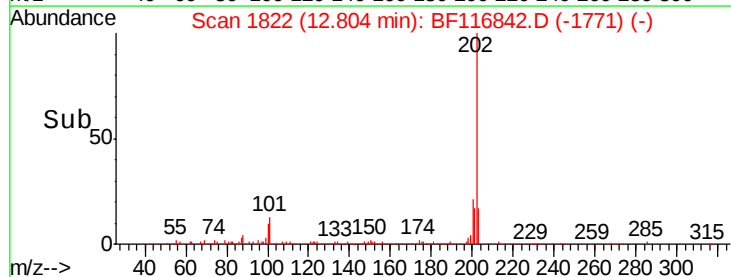
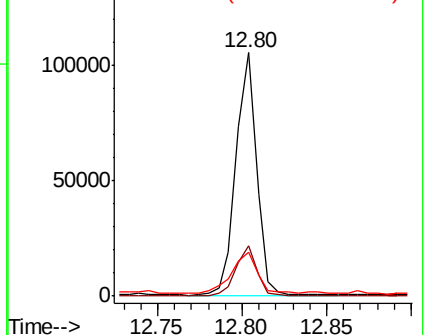
203 18.0 13.7 20.5

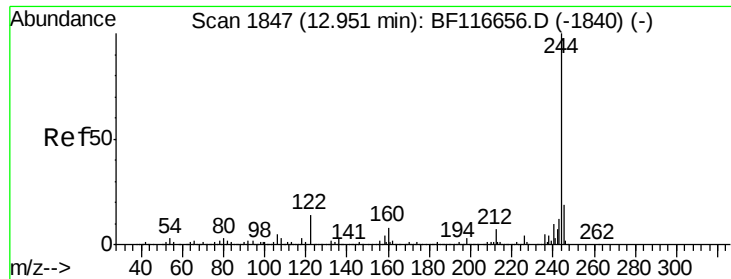


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

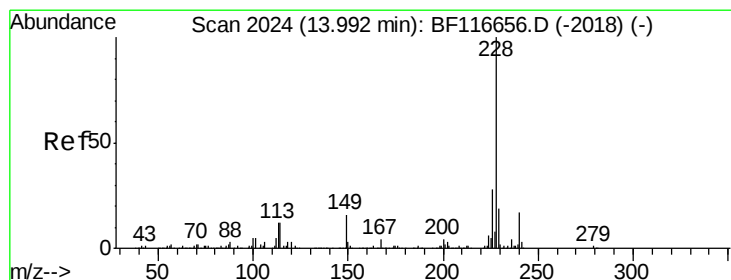
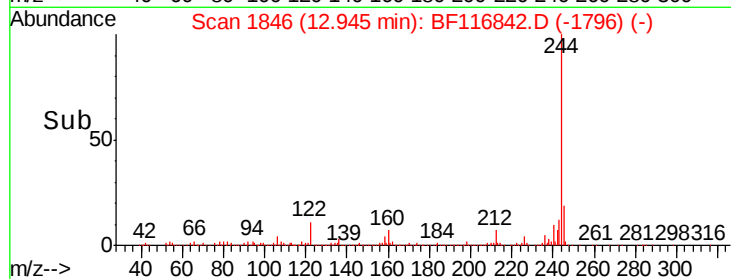
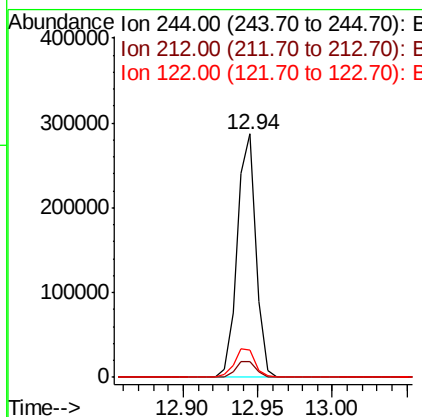
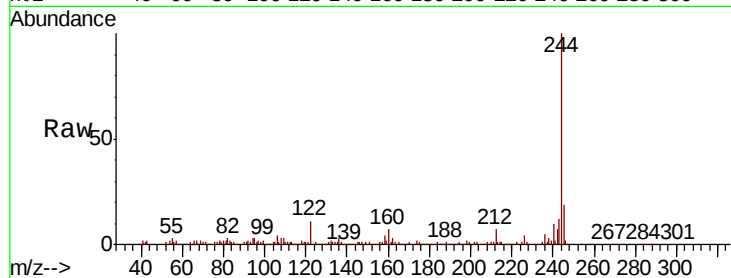




#79
 Terphenyl-d14
 Concen: 20.609 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116842.D
 Acq: 5 Sep 2019 17:08

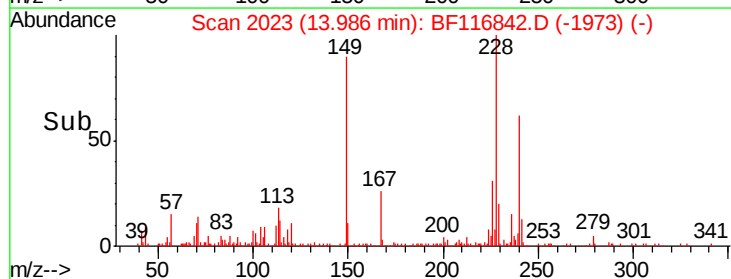
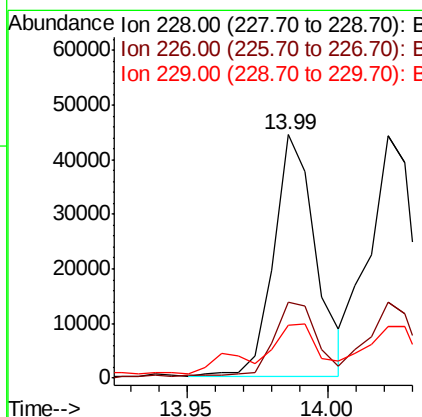
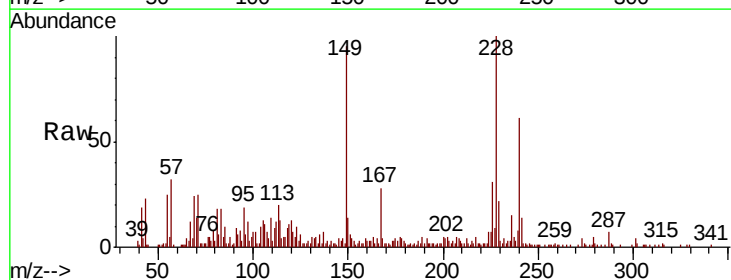
Instrument :
 BNA_F
 ClientSampleId :

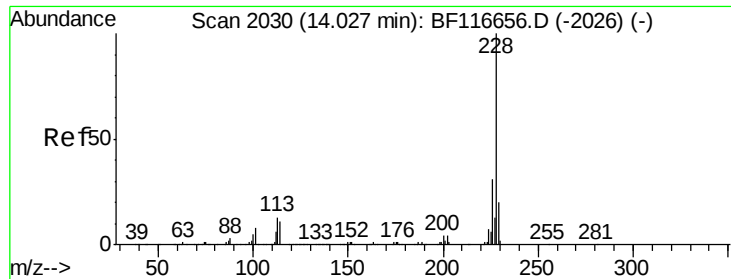
Tot Ion:244 Resp: 252010
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.1 9.1
 122 11.3 10.2 15.4



#81
 Benzo(a)anthracene
 Concen: 3.193 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF116842.D
 Acq: 5 Sep 2019 17:08

Tgt Ion:228 Resp: 45718
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.0 33.0
 229 21.9 16.4 24.6

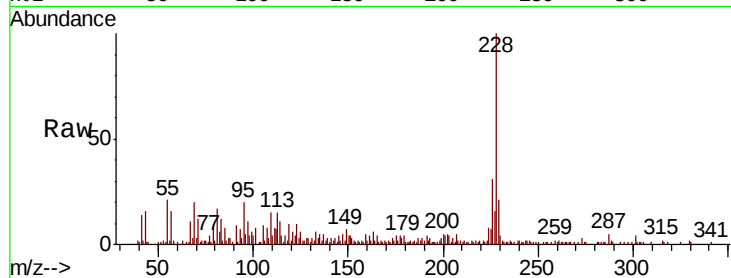




#83
 Chrysene
 Concen: 3.179 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF116842.D
 Acq: 5 Sep 2019 17:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.0	36.0
229	21.0	15.4	23.0

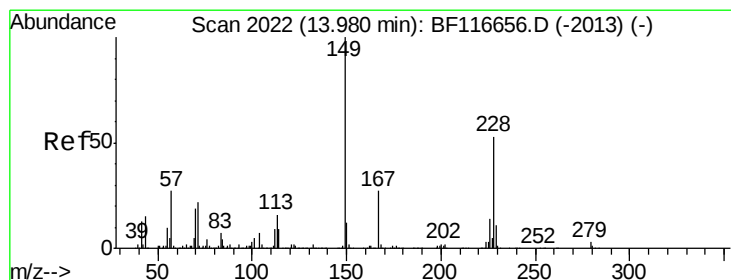
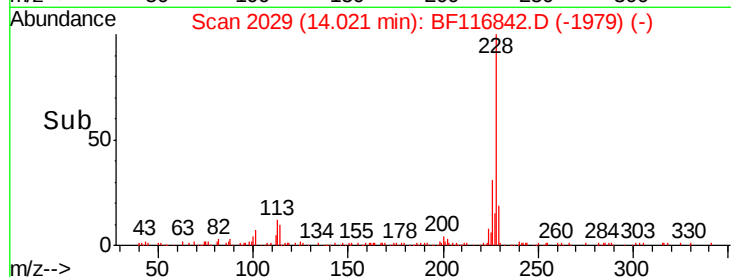
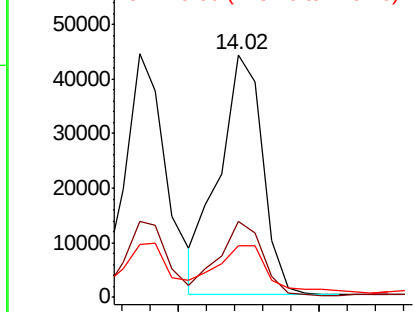


Abundance

Ion 228.00 (227.70 to 228.70): E

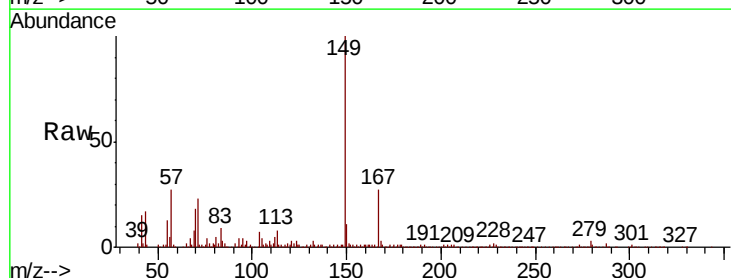
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 14.950 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF116842.D
 Acq: 5 Sep 2019 17:08

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.0	31.4
279	3.0	2.8	4.2

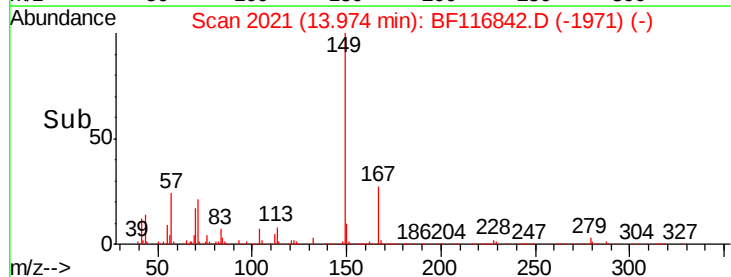
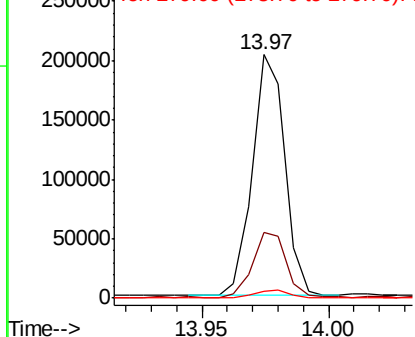


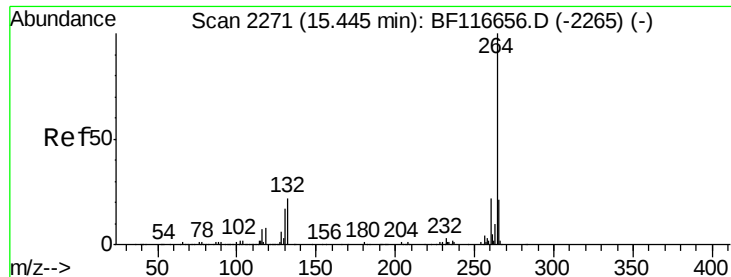
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.02 min

Lab File: BF116842.D

Acq: 5 Sep 2019 17:08

Instrument :

BNA_F

ClientSampleId :

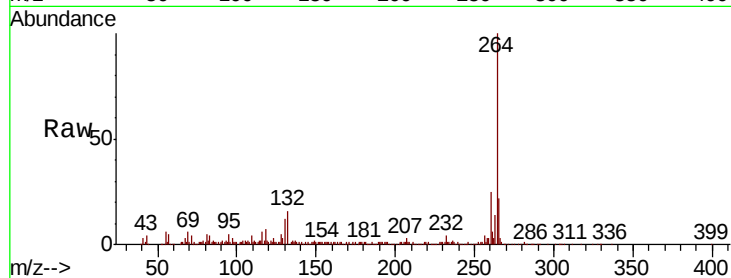
Tot Ion:264 Resp: 189911

Ion Ratio Lower Upper

264 100

260 24.6 18.3 27.5

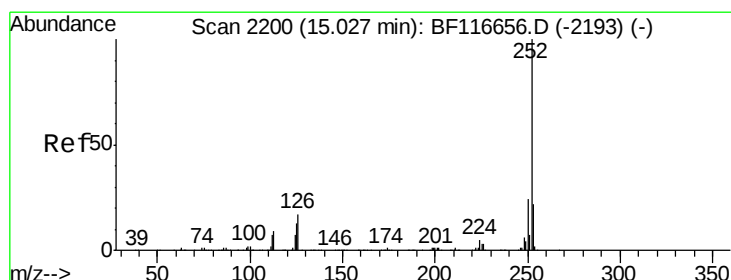
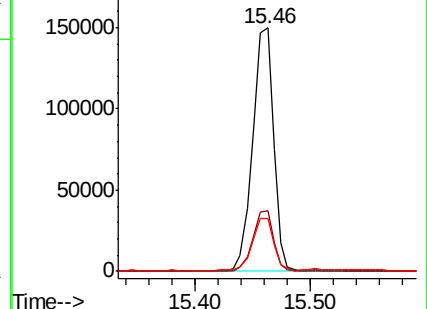
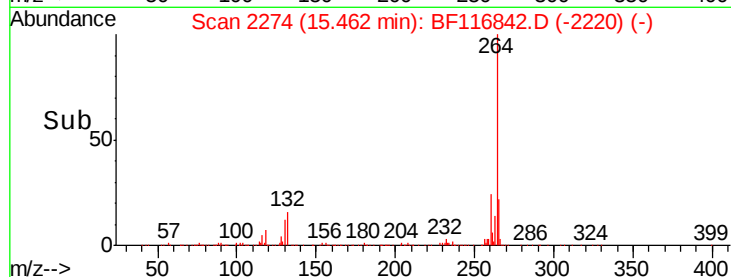
265 21.8 16.5 24.7



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: 6.542 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF116842.D

Acq: 5 Sep 2019 17:08

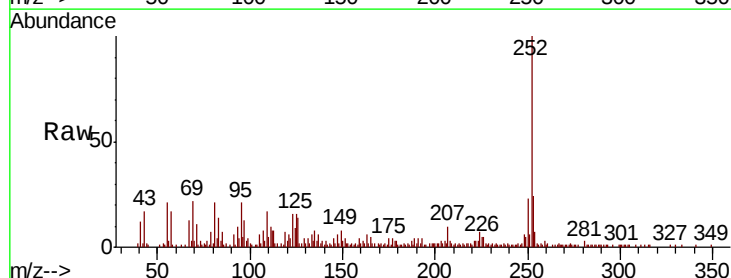
Tgt Ion:252 Resp: 75108

Ion Ratio Lower Upper

252 100

253 24.2 17.7 26.5

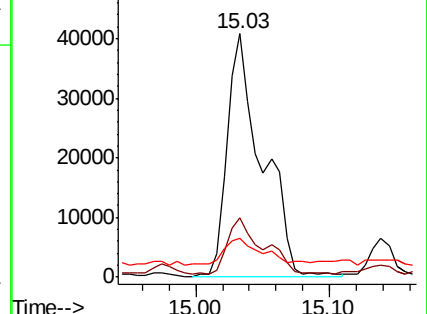
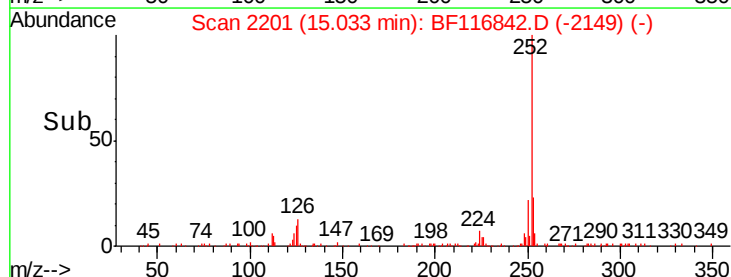
125 16.1 8.2 12.2#

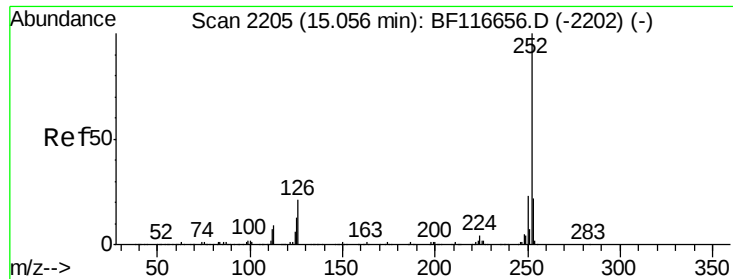


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

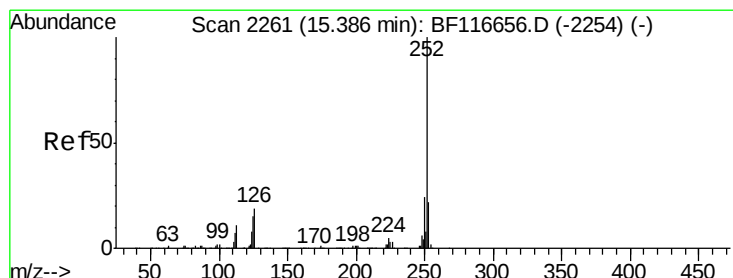
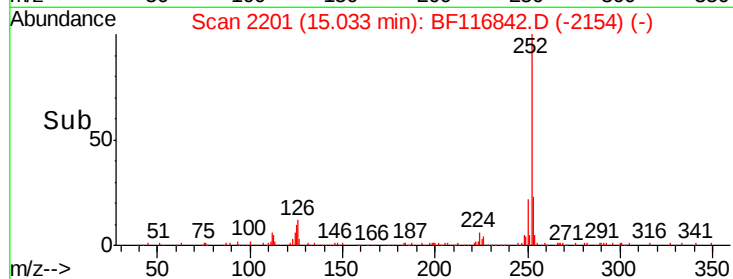
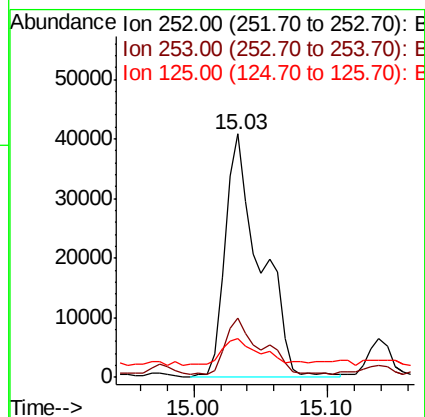
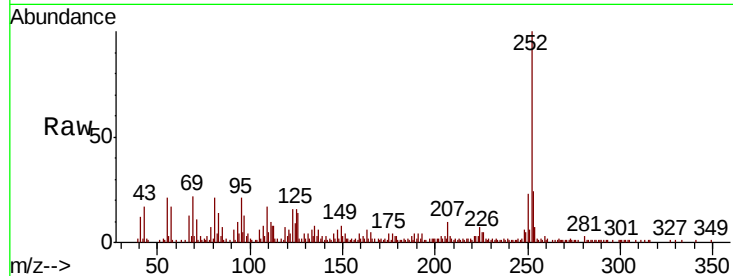




#89
Benzo(k)fluoranthene
Concen: 7.174 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF116842.D
Acq: 5 Sep 2019 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 75108
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 16.1 8.6 13.0#



#90
Benzo(a)pyrene
Concen: 2.807 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF116842.D
Acq: 5 Sep 2019 17:08

Tgt Ion:252 Resp: 28040
Ion Ratio Lower Upper
252 100
253 24.3 18.1 27.1
125 18.1 9.8 14.8#

