

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117156.D
 Acq On : 18 Sep 2019 20:27
 Operator : HP/JU
 Sample : K4942-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:15:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

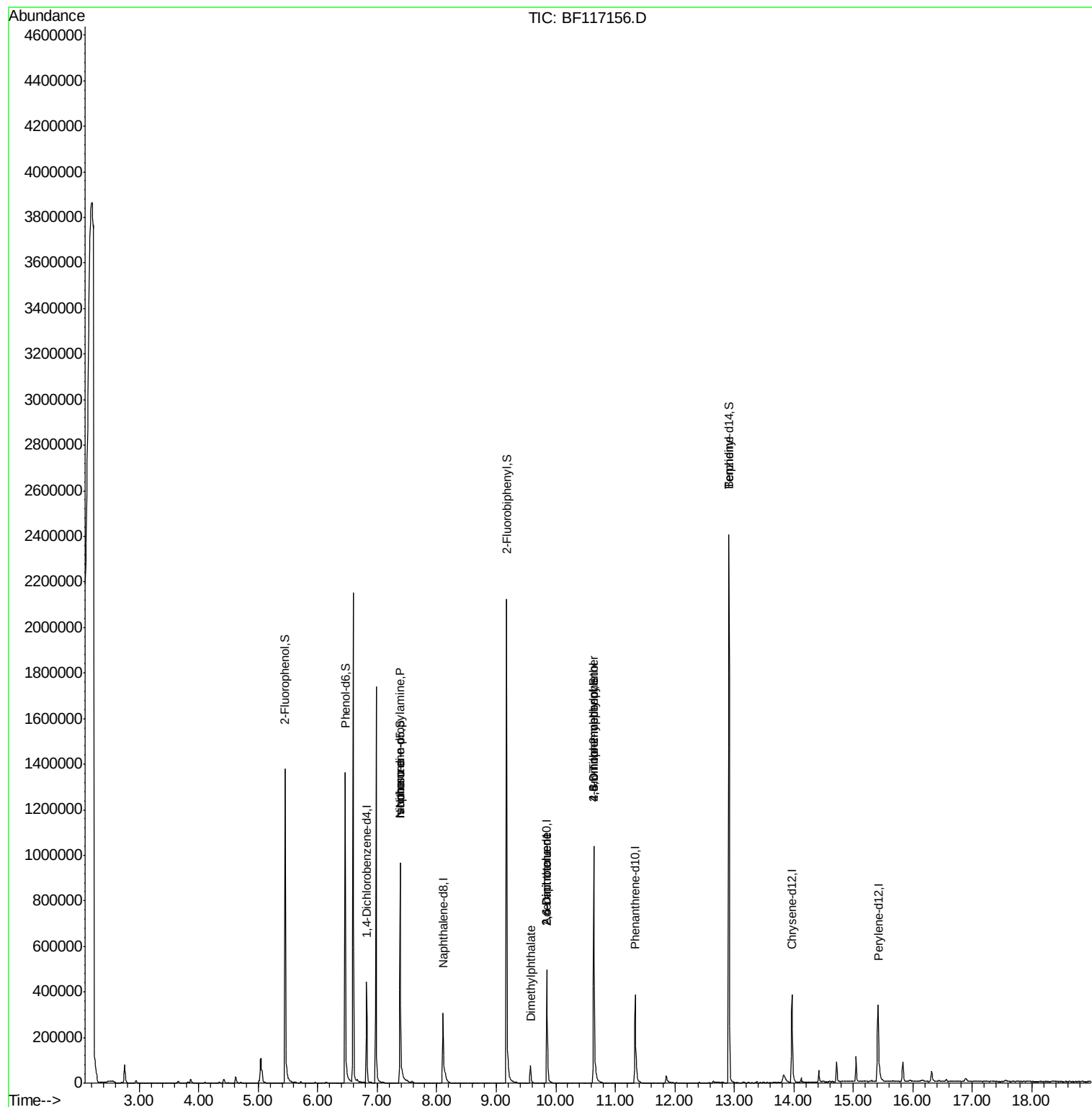
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	64764	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	254469	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	128771	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	220322	20.00	ng	0.00
76) Chrysene-d12	13.97	240	171500	20.00	ng	0.00
87) Perylene-d12	15.42	264	177120	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	478129	115.26	ng	0.02
7) Phenol-d6	6.46	99	570280	106.38	ng	0.00
23) Nitrobenzene-d5	7.39	82	456692	94.30	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	160566	149.19	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	796135	96.67	ng	0.00
79) Terphenyl-d14	12.91	244	831042	90.58	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	654	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.39	70	56876	17.423	ng	# 77
25) Isophorone	7.39	82	456689	53.257	ng	# 66
50) Dimethylphthalate	9.57	163	52484	5.756	ng	100
51) 2,6-Dinitrotoluene	9.85	165	15616	8.409	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	15616	6.478	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.64	198	303	7.161	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	10215	4.540	ng	# 1
77) Benzidine	12.91	184	11817	2.139	ng	# 97

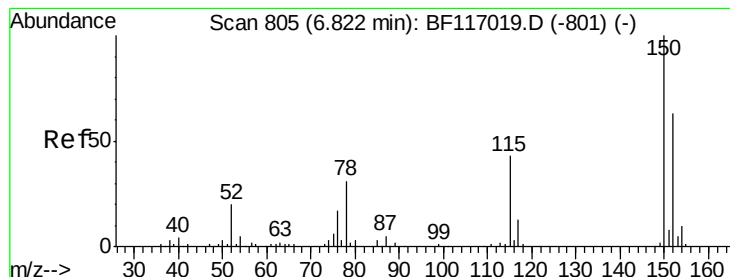
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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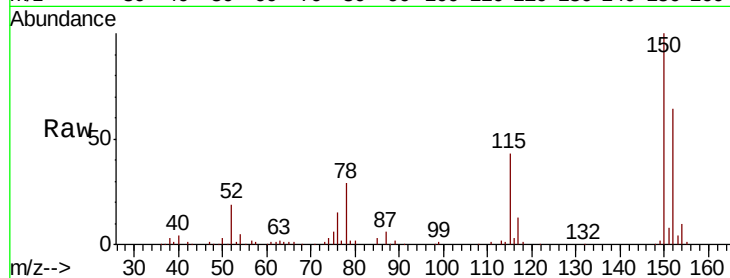


#1

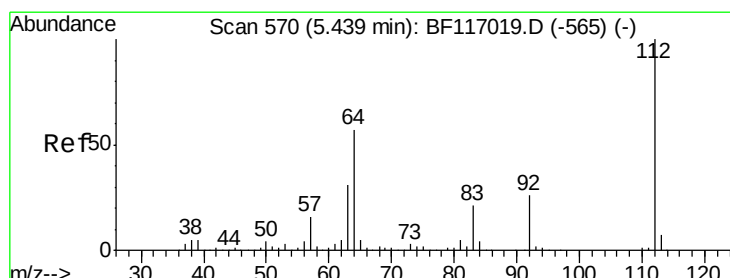
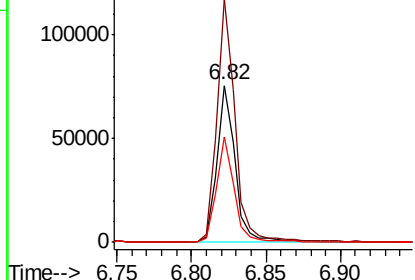
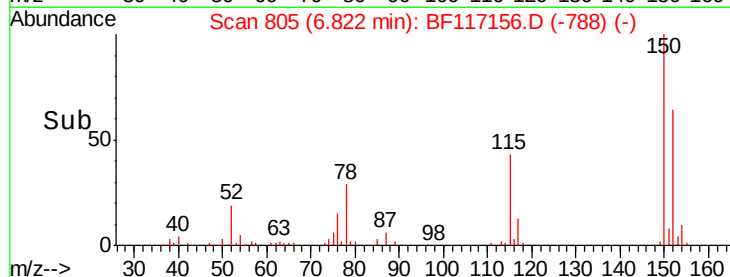
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117156.D
Acq: 18 Sep 2019 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 64764
Ion Ratio Lower Upper
152 100
150 155.5 127.5 191.3
115 67.1 55.0 82.4



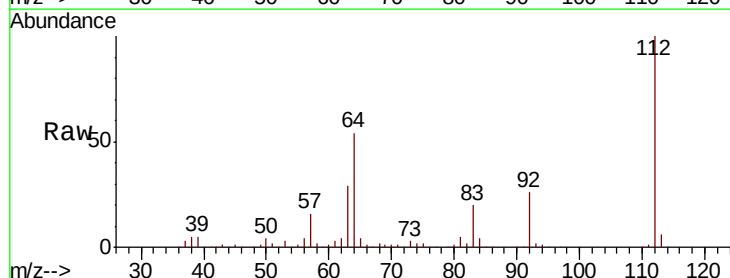
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



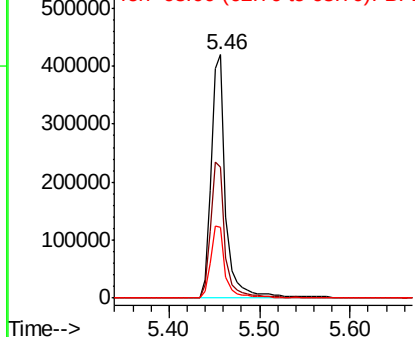
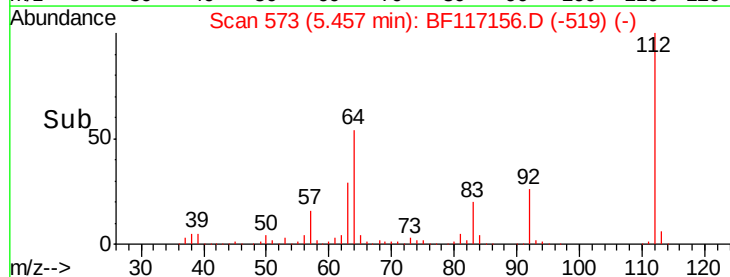
#5

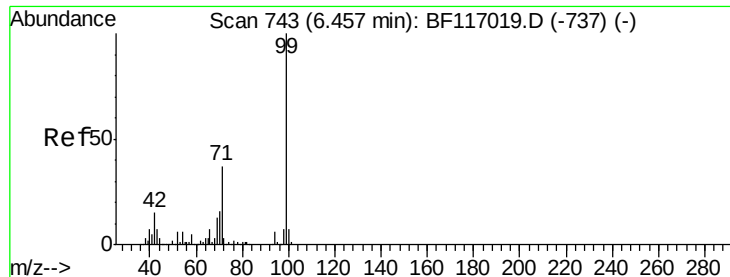
2-Fluorophenol
Concen: 115.261 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117156.D
Acq: 18 Sep 2019 20:27

Tgt Ion:112 Resp: 478129
Ion Ratio Lower Upper
112 100
64 53.7 45.7 68.5
63 29.1 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: 106.376 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117156.D

Acq: 18 Sep 2019 20:27

Instrument :

BNA_F

ClientSampleId :

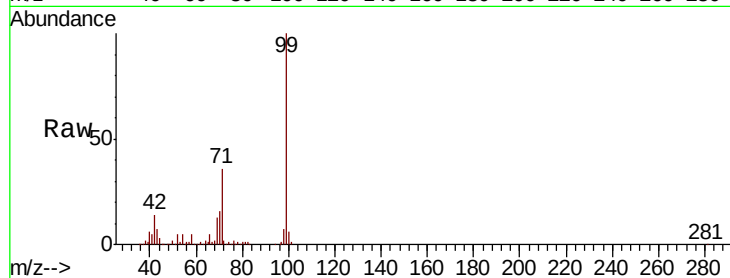
Tot Ion: 99 Resp: 570280

Ion Ratio Lower Upper

99 100

42 14.5 12.2 18.2

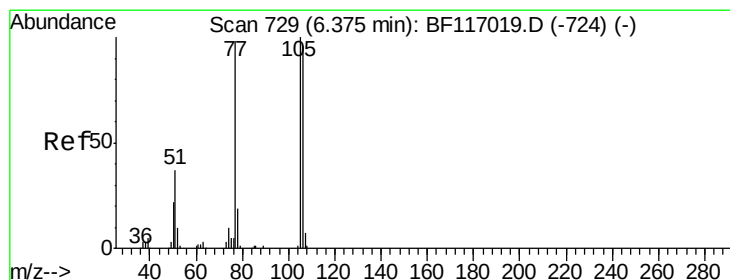
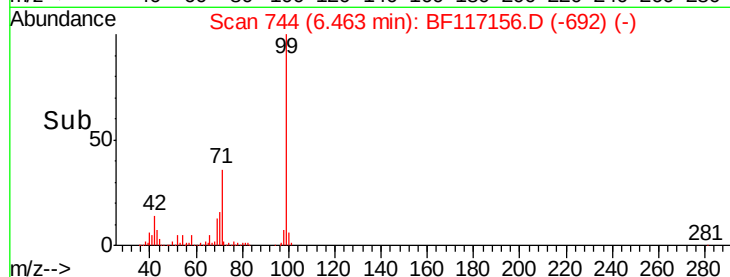
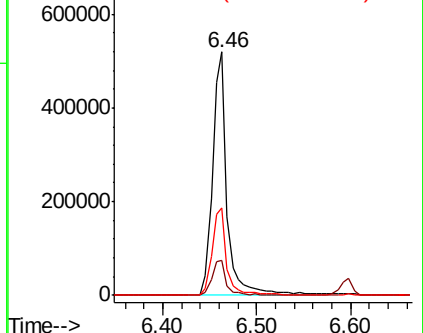
71 35.8 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.46 min Scan# 744

Delta R.T. 0.09 min

Lab File: BF117156.D

Acq: 18 Sep 2019 20:27

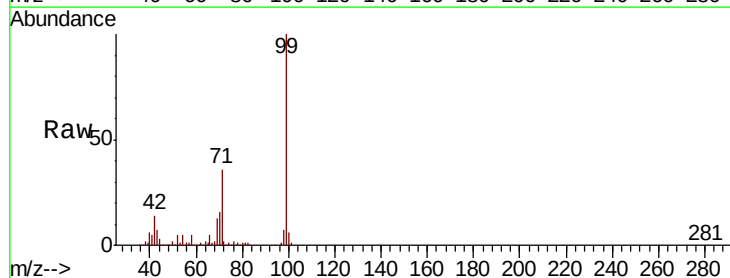
Tgt Ion: 77 Resp: 654

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

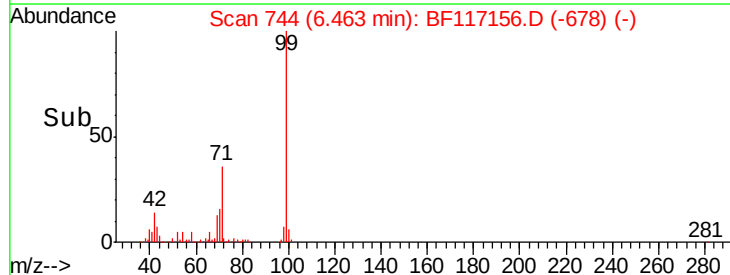
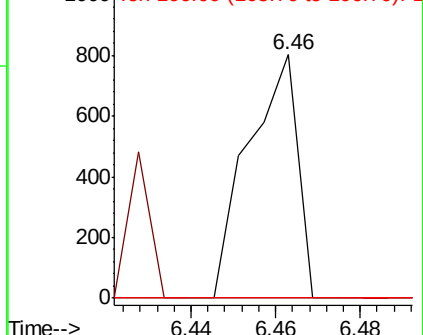
106 0.0 77.3 117.3#

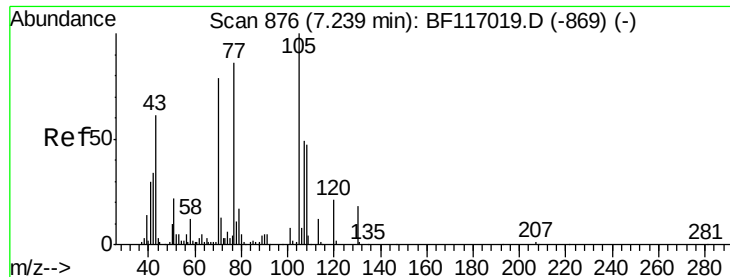


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

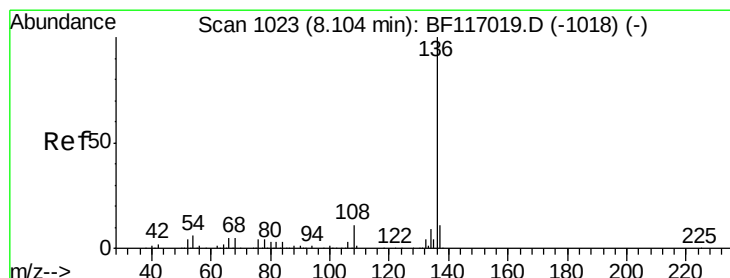
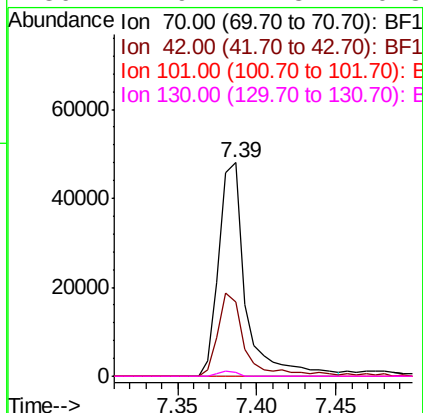
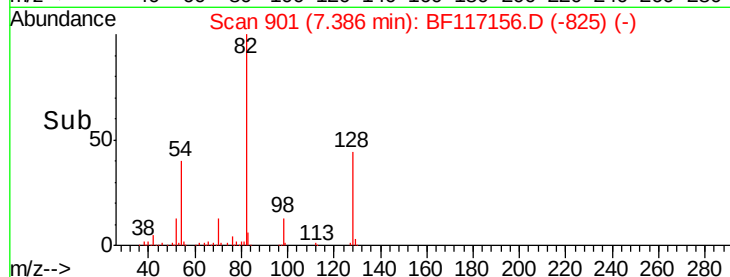
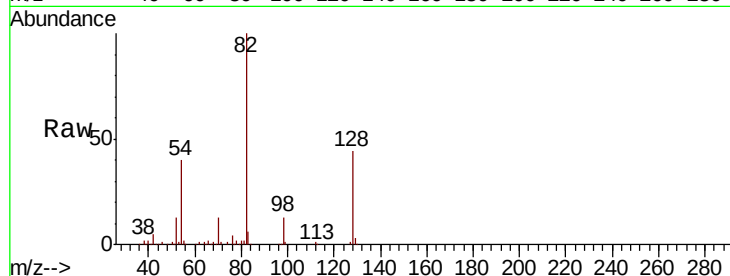




#19
n-Nitroso-di-n-propylamine
Concen: 17.423 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117156.D
Acq: 18 Sep 2019 20:27

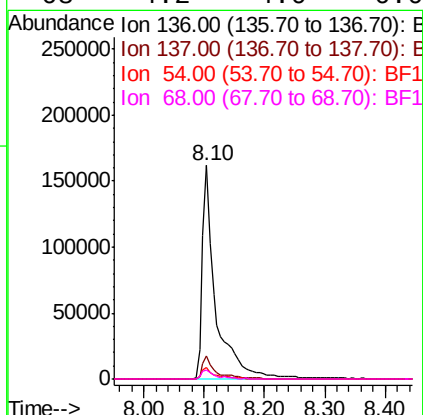
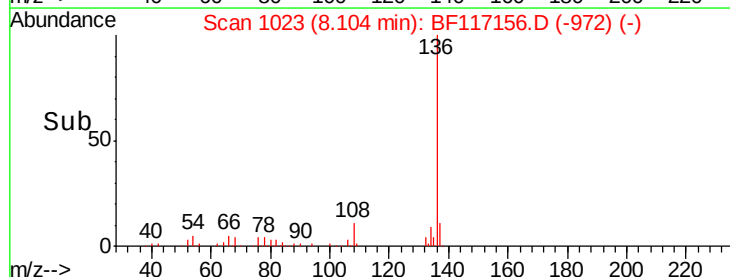
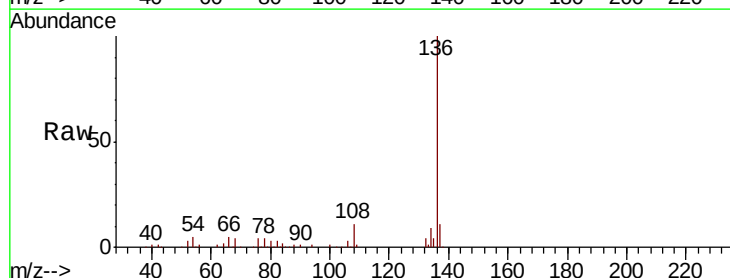
Instrument :
BNA_F
ClientSampleId :

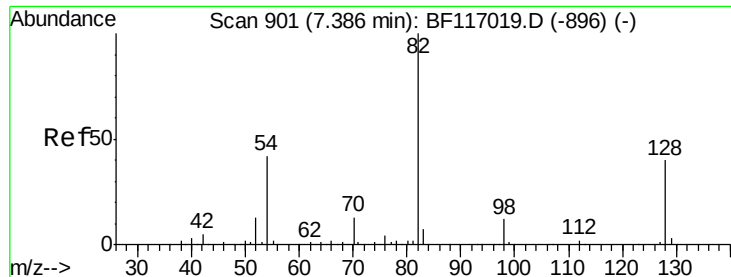
Tot Ion: 70 Resp: 56876
Ion Ratio Lower Upper
70 100
42 34.9 34.0 51.0
101 0.0 7.8 11.6#
130 1.9 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117156.D
Acq: 18 Sep 2019 20:27

Tgt Ion: 136 Resp: 254469
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 5.4 4.5 6.7
68 4.2 4.0 6.0

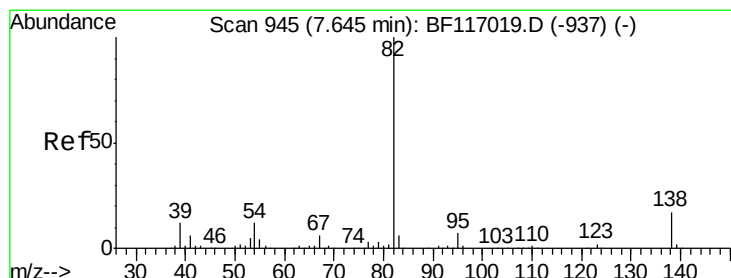
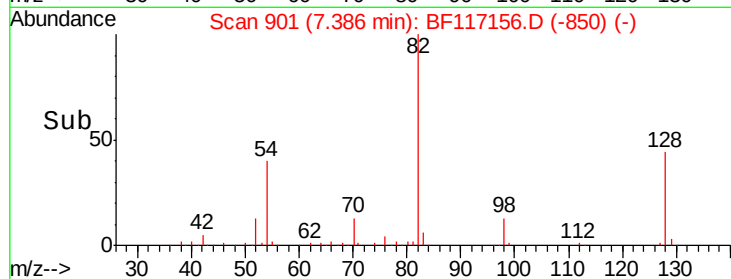
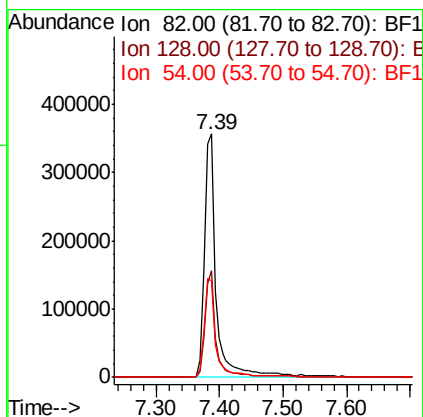
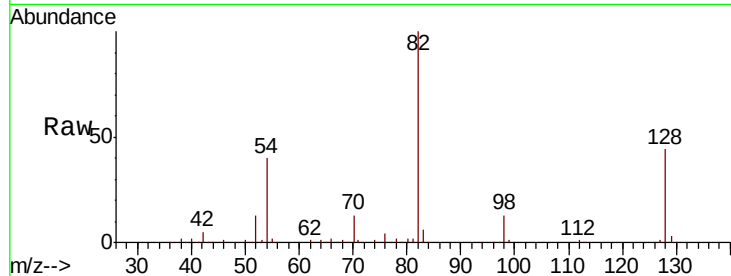




#23
 Nitrobenzene-d5
 Concen: 94.297 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117156.D
 Acq: 18 Sep 2019 20:27

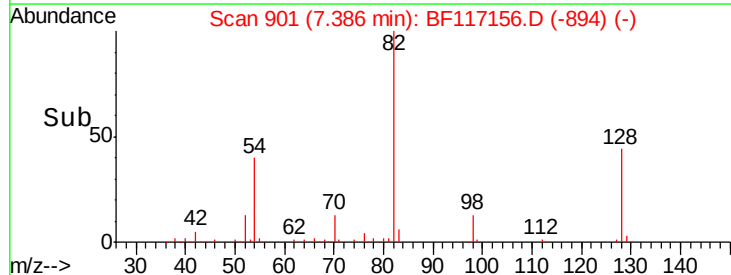
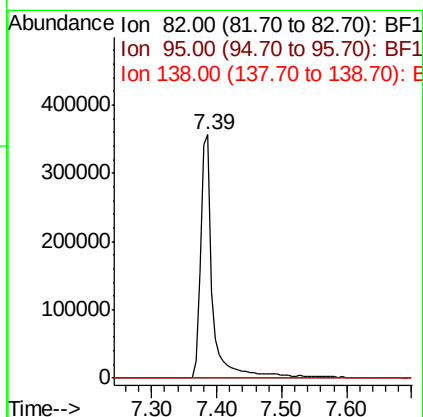
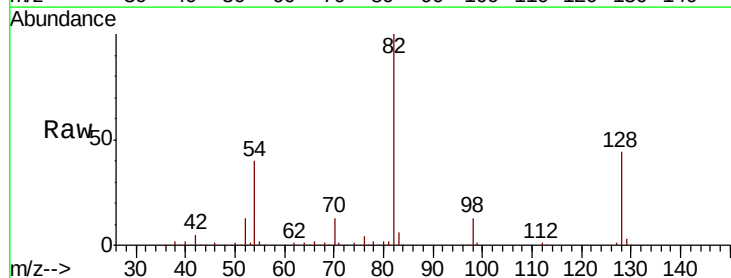
Instrument :
 BNA_F
 ClientSampled :

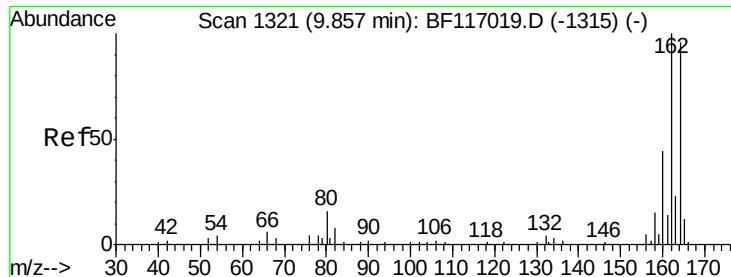
Tot Ion	82	Resp	456692
Ion Ratio	100	Lower	Upper
128	43.9	32.3	48.5
54	39.6	33.3	49.9



#25
 Isophorone
 Concen: 53.257 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF117156.D
 Acq: 18 Sep 2019 20:27

Tgt Ion	82	Resp	456689
Ion Ratio	100	Lower	Upper
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

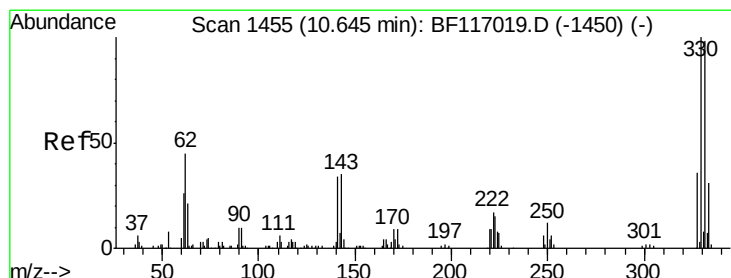
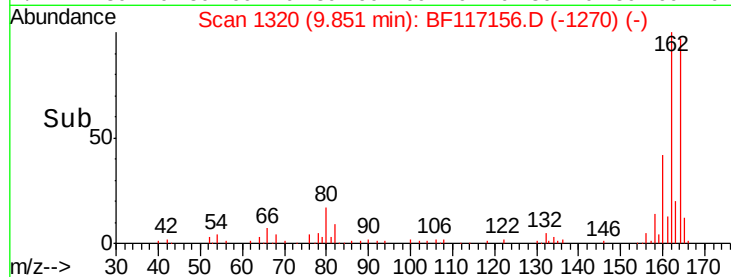
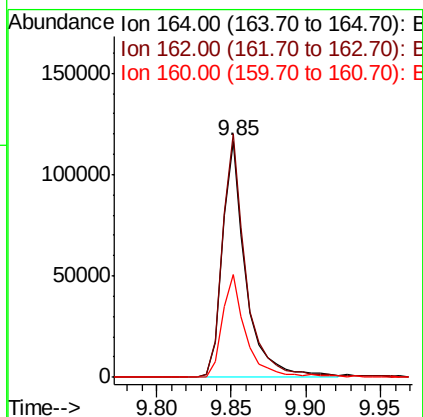
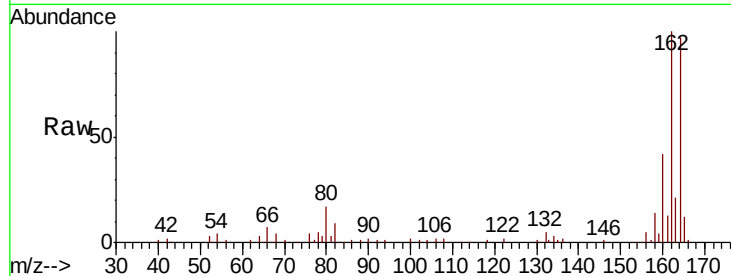




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117156.D
Acq: 18 Sep 2019 20:27

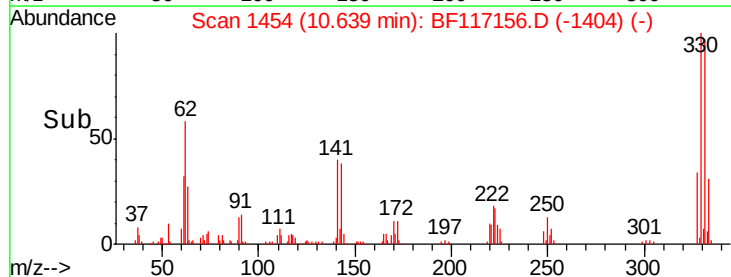
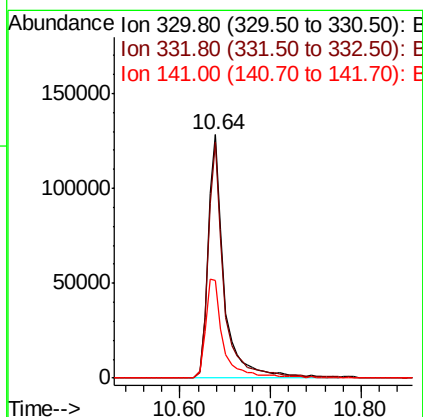
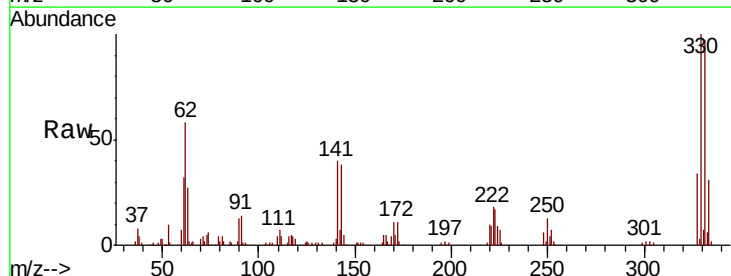
Instrument :
BNA_F
ClientSampleId :

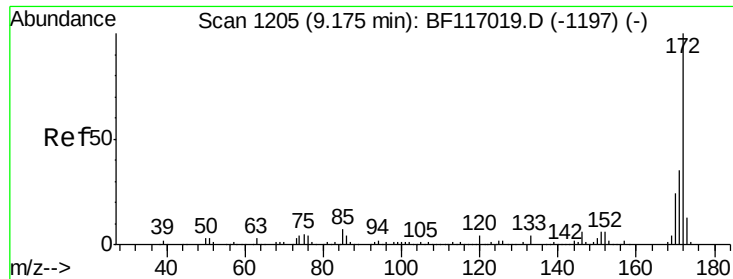
Tot Ion:164 Resp: 128771
Ion Ratio Lower Upper
164 100
162 103.0 83.4 125.2
160 43.5 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 149.193 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117156.D
Acq: 18 Sep 2019 20:27

Tgt Ion:330 Resp: 160566
Ion Ratio Lower Upper
330 100
332 95.3 78.0 117.0
141 44.9 35.8 53.6

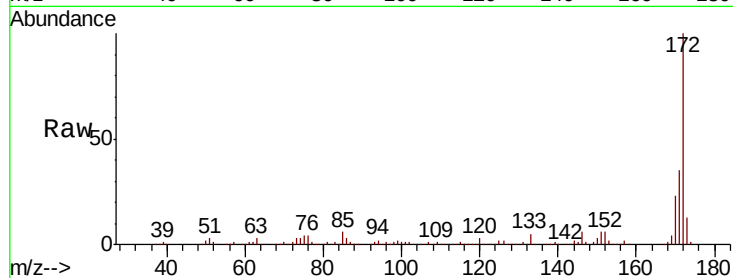




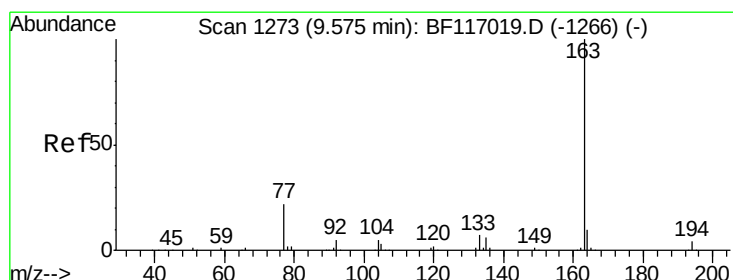
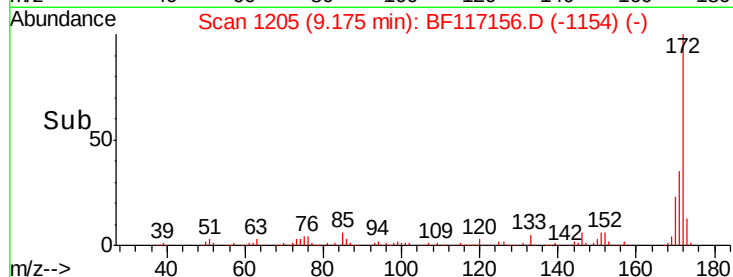
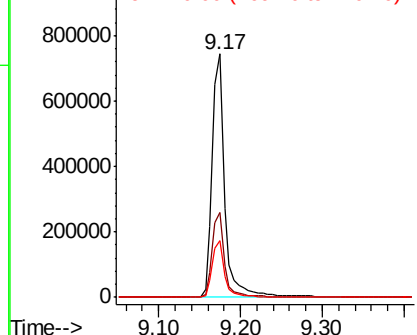
#45
2-Fluorobiphenyl
Concen: 96.669 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117156.D
Acq: 18 Sep 2019 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 796135
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 23.2 18.9 28.3

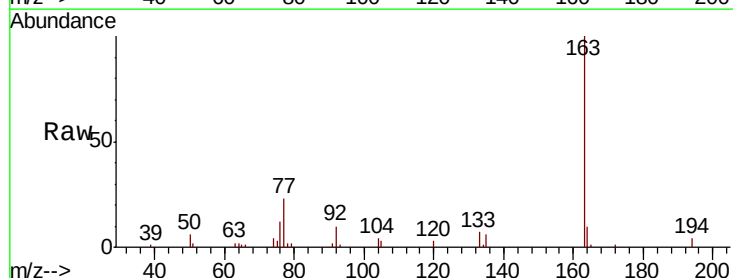


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

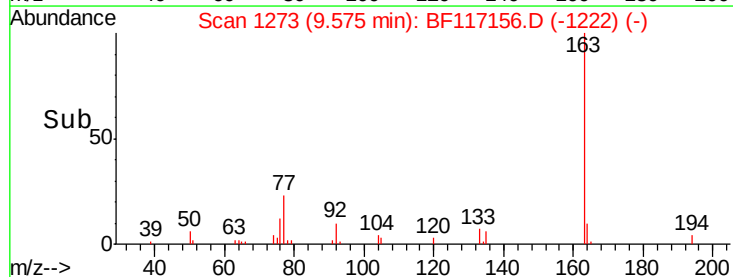
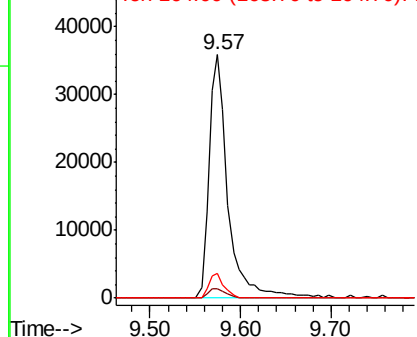


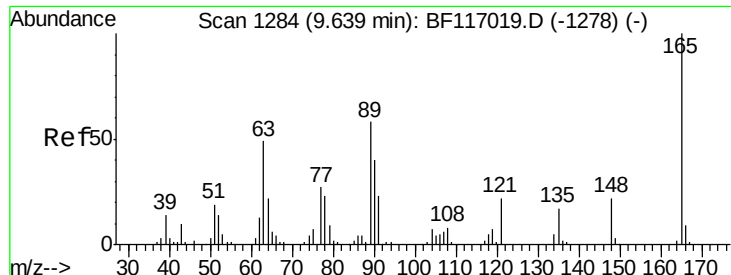
#50
Dimethylphthalate
Concen: 5.756 ng
RT: 9.57 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BF117156.D
Acq: 18 Sep 2019 20:27

Tgt Ion:163 Resp: 52484
Ion Ratio Lower Upper
163 100
194 3.8 2.9 4.3
164 10.4 8.2 12.4



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: 8.409 ng

RT: 9.85 min Scan# 1320

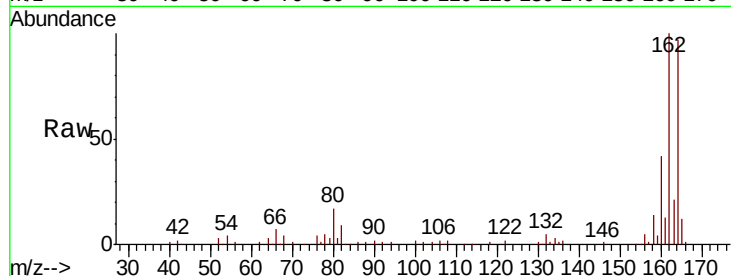
Delta R.T. 0.21 min

Lab File: BF117156.D

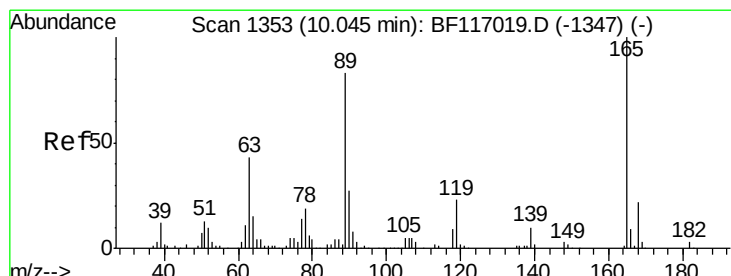
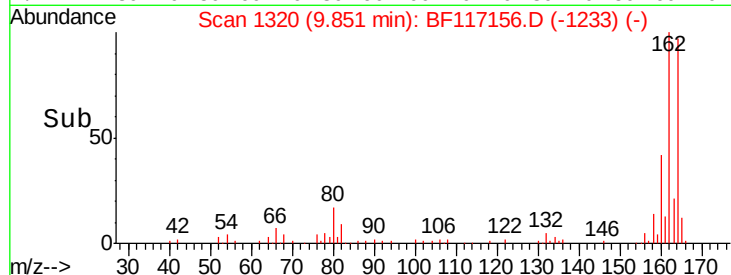
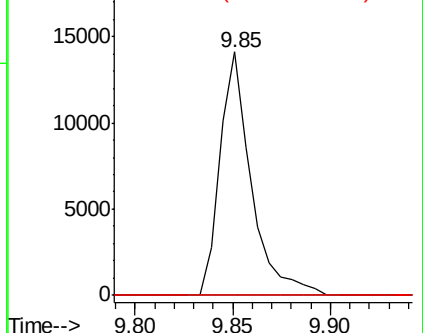
Acq: 18 Sep 2019 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	15616
Ion Ratio	Lower	Upper	
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#



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: 6.478 ng

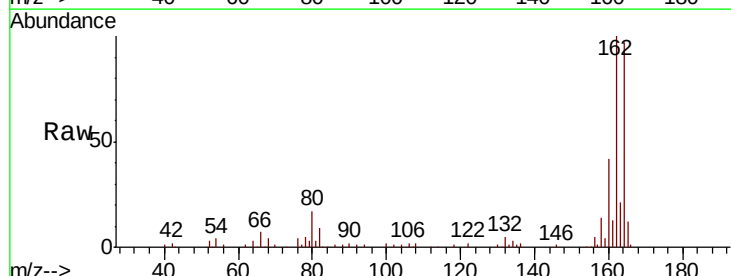
RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

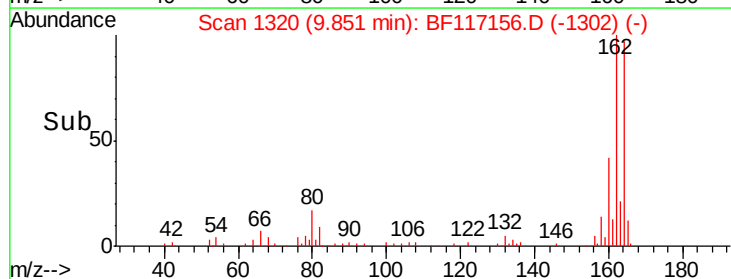
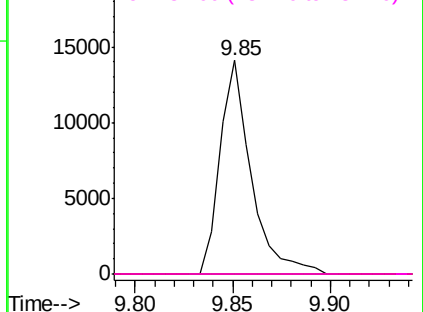
Lab File: BF117156.D

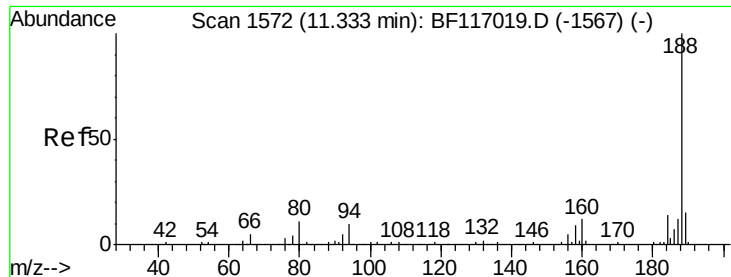
Acq: 18 Sep 2019 20:27

Tgt Ion:	165	Resp:	15616
Ion Ratio	Lower	Upper	
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



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: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF117156.D

Acq: 18 Sep 2019 20:27

Instrument :

BNA_F

ClientSampleId :

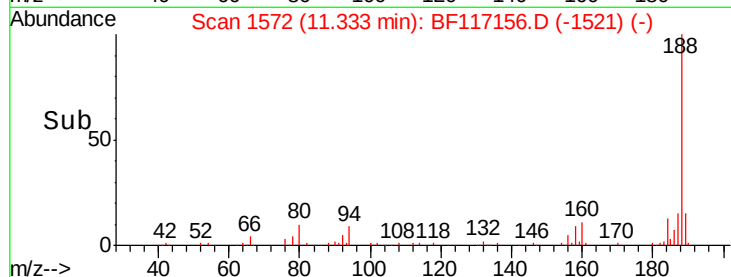
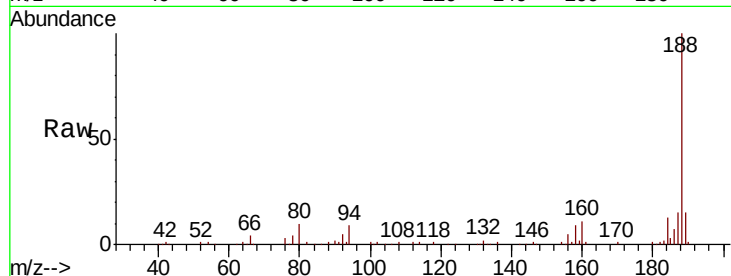
Tot Ion:188 Resp: 220322

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

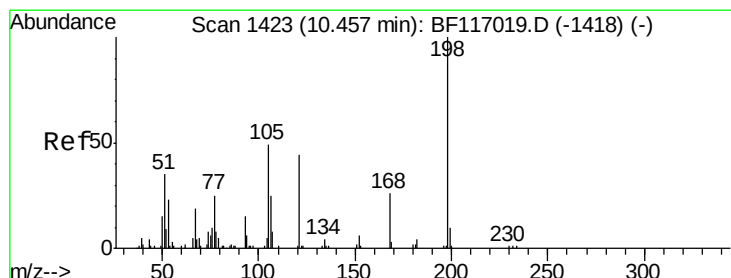
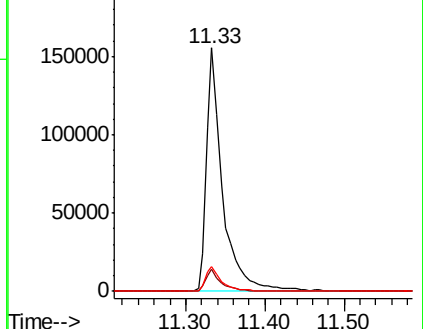
80 10.4 9.0 13.6



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: 7.161 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF117156.D

Acq: 18 Sep 2019 20:27

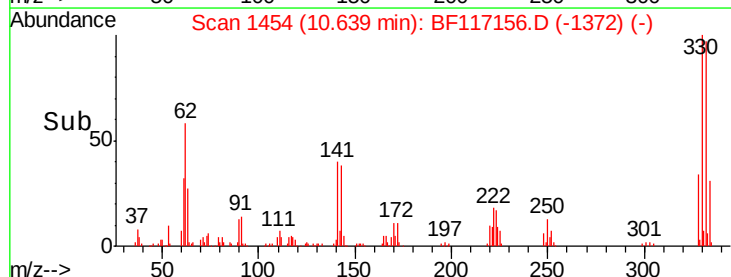
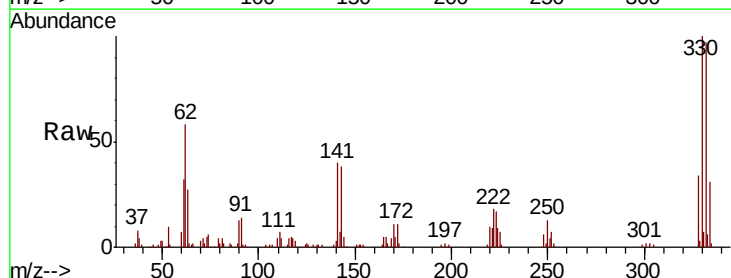
Tgt Ion:198 Resp: 303

Ion Ratio Lower Upper

198 100

51 115.2 18.7 58.7#

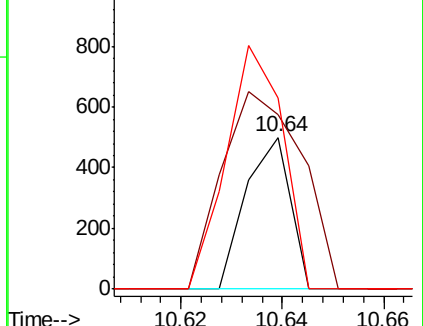
105 125.3 30.2 70.2#

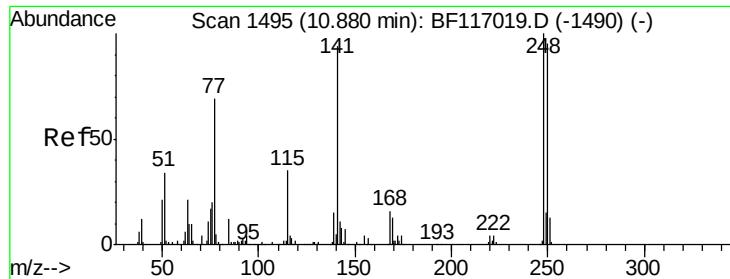


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

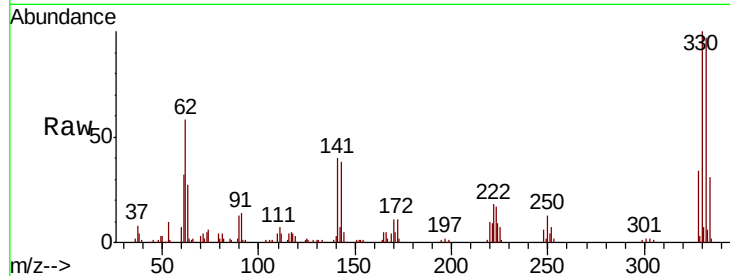




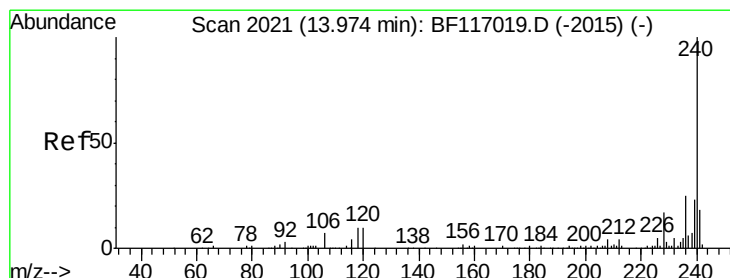
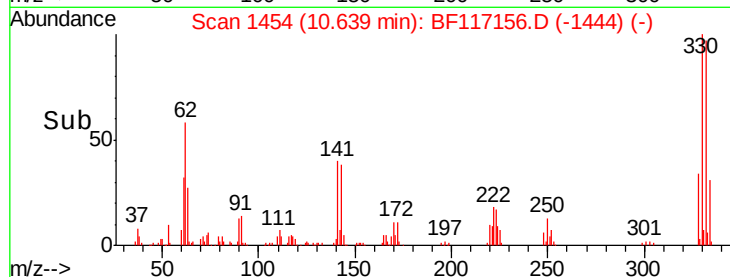
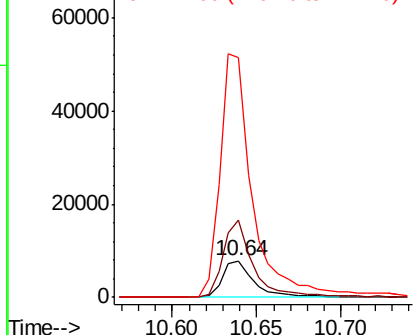
#67
4-Bromophenyl-phenylether
Concen: 4.540 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117156.D
Acq: 18 Sep 2019 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10215
Ion Ratio Lower Upper
248 100
250 210.0 76.2 114.4#
141 651.0 75.0 112.4#

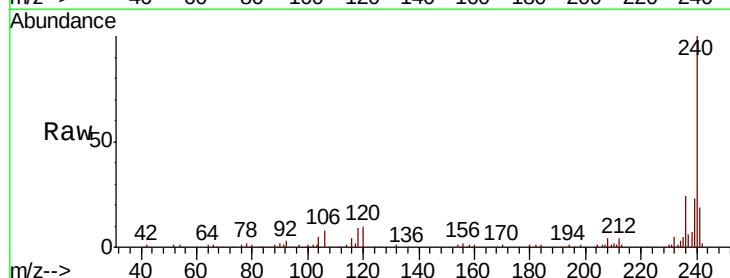


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

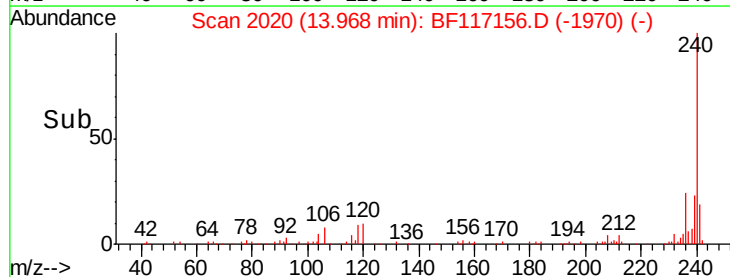
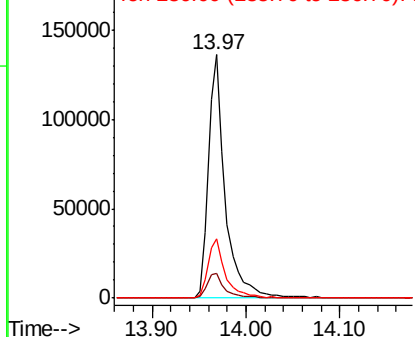


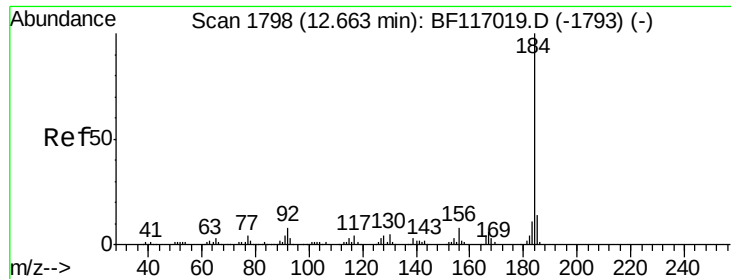
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117156.D
Acq: 18 Sep 2019 20:27

Tgt Ion:240 Resp: 171500
Ion Ratio Lower Upper
240 100
120 10.2 8.3 12.5
236 24.4 20.3 30.5



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





#77

Benzidine

Concen: 2.139 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.25 min

Lab File: BF117156.D

Acq: 18 Sep 2019 20:27

Instrument :

BNA_F

ClientSampleId :

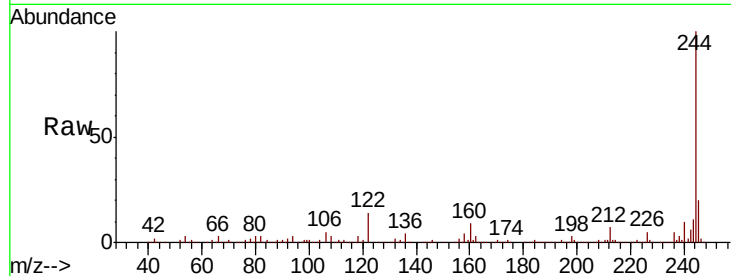
Tot Ion:184 Resp: 11817

Ion Ratio Lower Upper

184 100

185 14.3 11.6 17.4

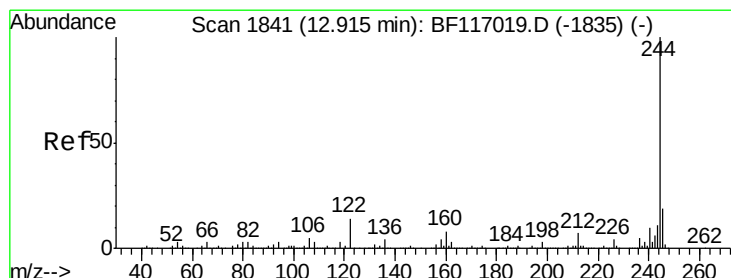
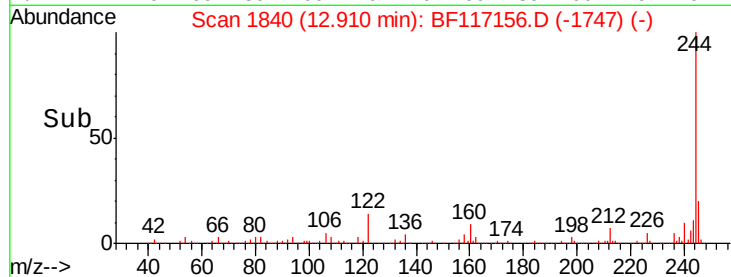
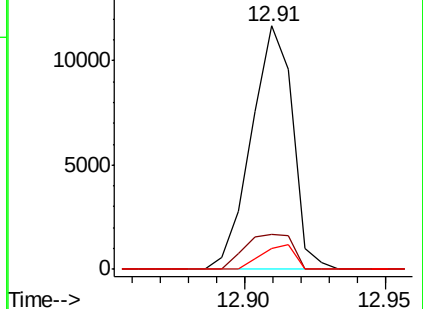
183 8.6 9.0 13.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 90.577 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117156.D

Acq: 18 Sep 2019 20:27

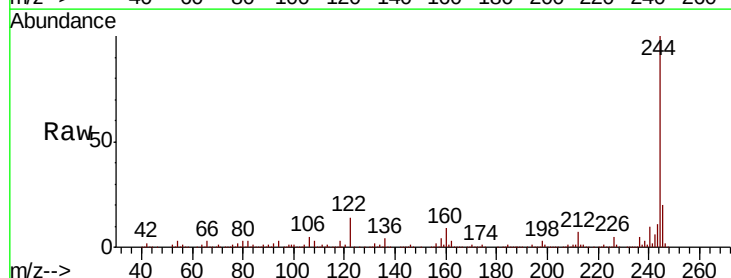
Tgt Ion:244 Resp: 831042

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

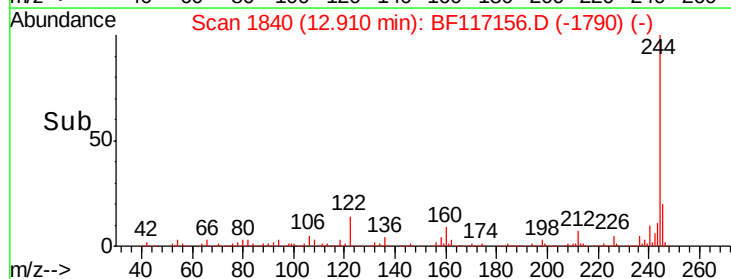
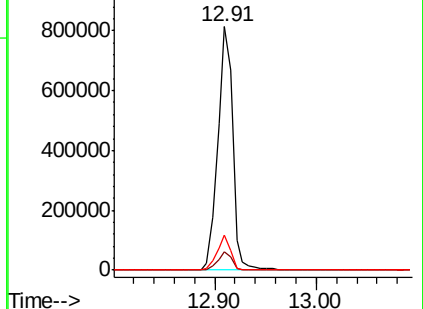
122 14.1 11.3 16.9

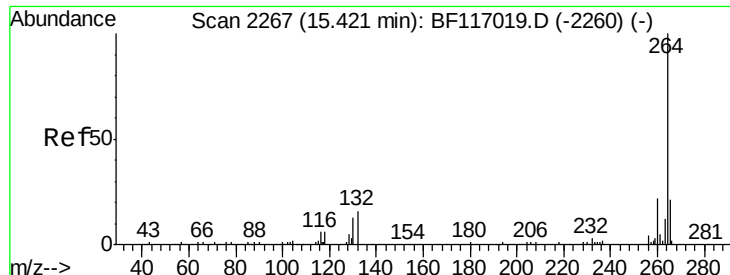


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF117156.D
 Acq: 18 Sep 2019 20:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.6	26.4
265	20.2	16.6	24.8

