

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117150.D
 Acq On : 18 Sep 2019 17:48
 Operator : HP/JU
 Sample : K4666-18
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:14:12 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

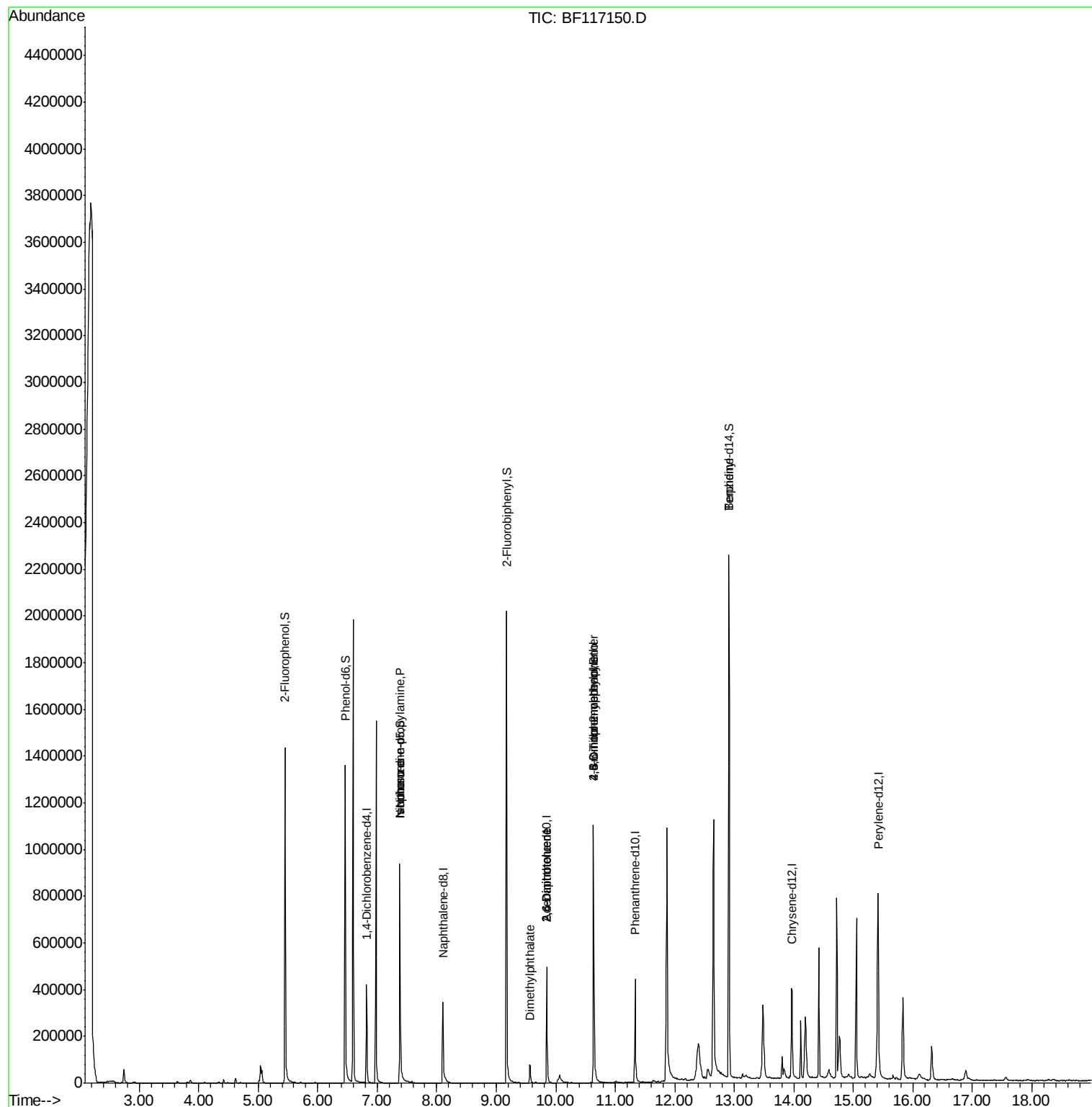
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	61188	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	236880	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	120820	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	201740	20.00	ng	0.00
76) Chrysene-d12	13.96	240	159403	20.00	ng	-0.01
87) Perylene-d12	15.42	264	157999	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	456844	116.57	ng	0.01
7) Phenol-d6	6.46	99	554877	109.55	ng	0.00
23) Nitrobenzene-d5	7.38	82	422441	93.70	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	150785	149.32	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	729546	94.41	ng	0.00
79) Terphenyl-d14	12.91	244	731472	85.78	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	720	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	54726	17.744	ng	# 1
25) Isophorone	7.38	82	422438	52.921	ng	# 80
50) Dimethylphthalate	9.56	163	43617	5.099	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	14844	8.520	ng	# 98
57) 2,4-Dinitrotoluene	9.85	165	14844	6.563	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.63	198	130	7.023	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	9593	4.656	ng	# 1
77) Benzidine	12.91	184	10618	2.068	ng	# 90

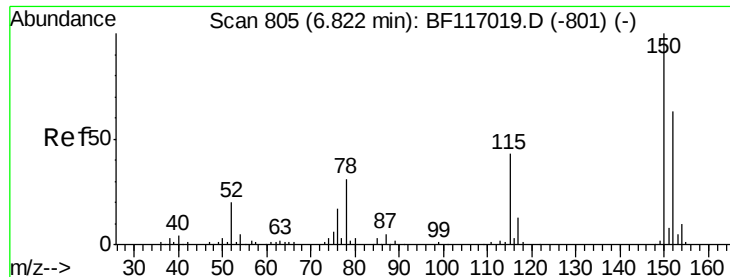
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
Data File : BF117150.D
Acq On : 18 Sep 2019 17:48
Operator : HP/JU
Sample : K4666-18
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 19 05:14:12 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



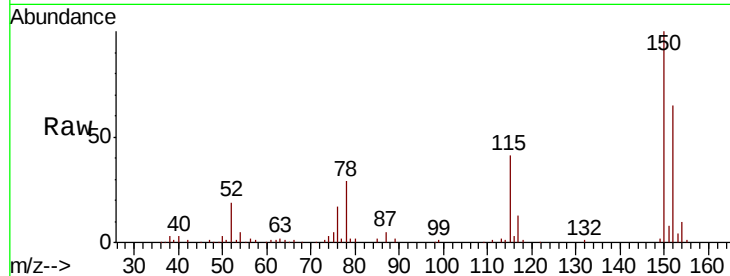


#1

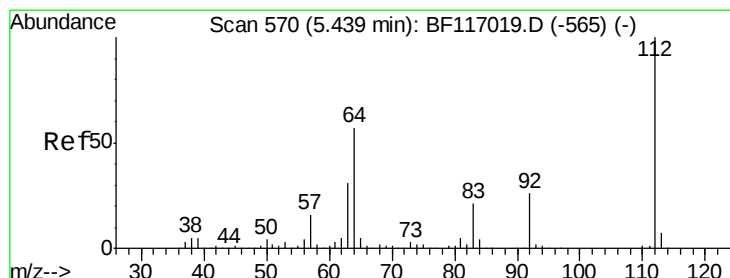
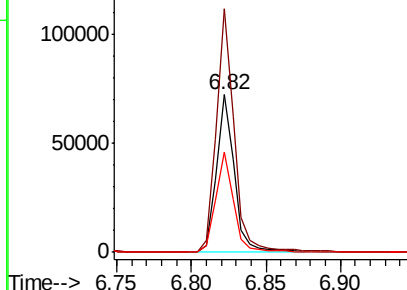
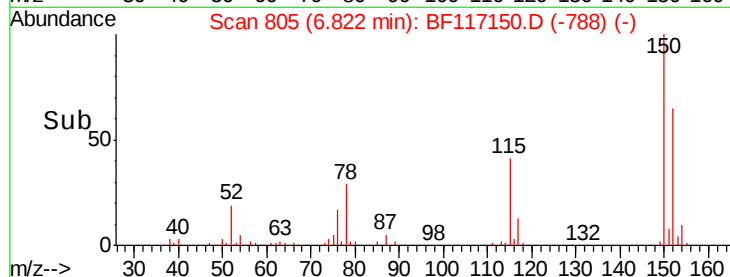
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117150.D
Acq: 18 Sep 2019 17:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 61188
Ion Ratio Lower Upper
152 100
150 154.7 127.5 191.3
115 63.8 55.0 82.4



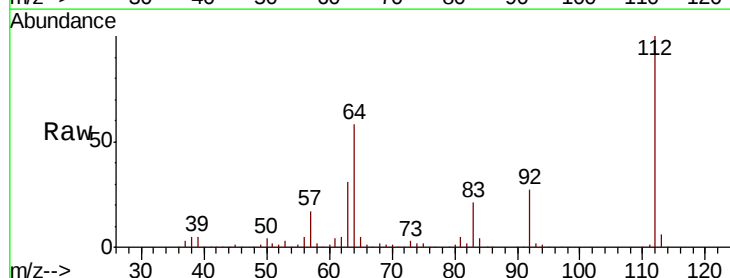
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



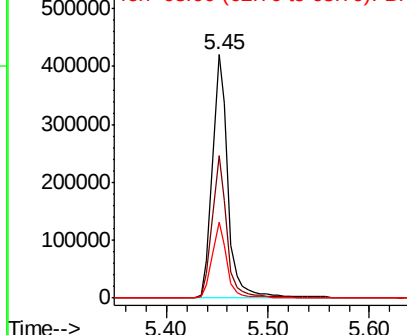
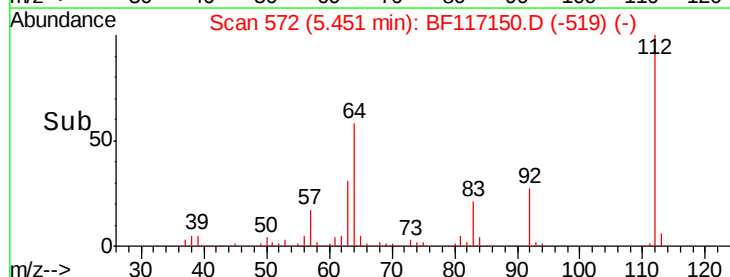
#5

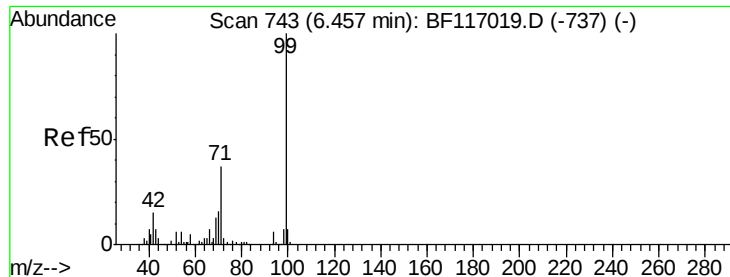
2-Fluorophenol
Concen: 116.566 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117150.D
Acq: 18 Sep 2019 17:48

Tgt Ion:112 Resp: 456844
Ion Ratio Lower Upper
112 100
64 58.3 45.7 68.5
63 31.3 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: 109.552 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117150.D

Acq: 18 Sep 2019 17:48

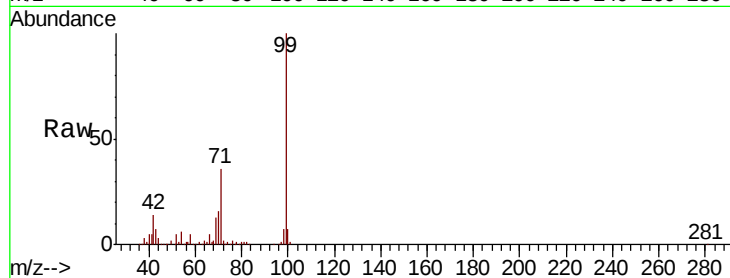
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 554877

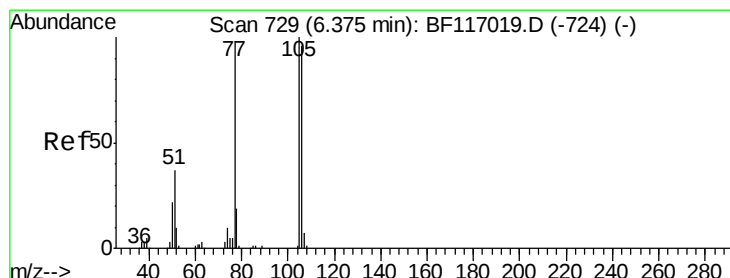
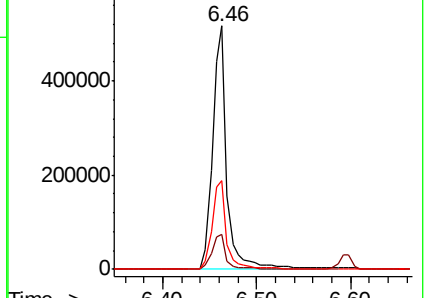
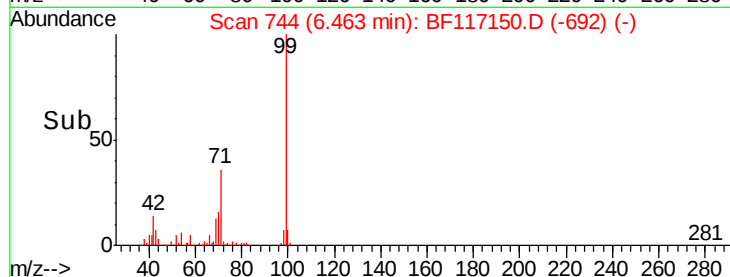
Ion	Ratio	Lower	Upper
99	100		
42	14.4	12.2	18.2
71	36.3	29.8	44.8



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

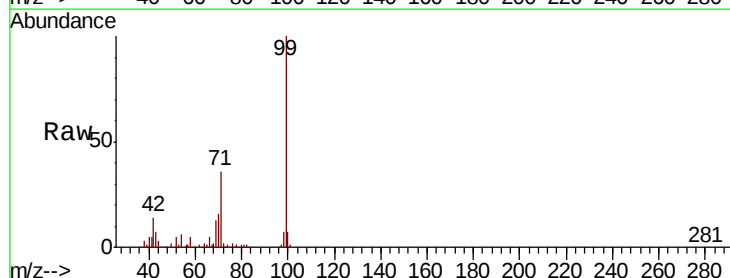
Delta R.T. 0.09 min

Lab File: BF117150.D

Acq: 18 Sep 2019 17:48

Tgt Ion: 77 Resp: 720

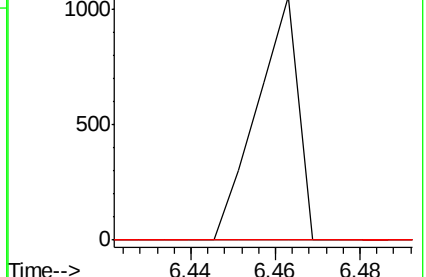
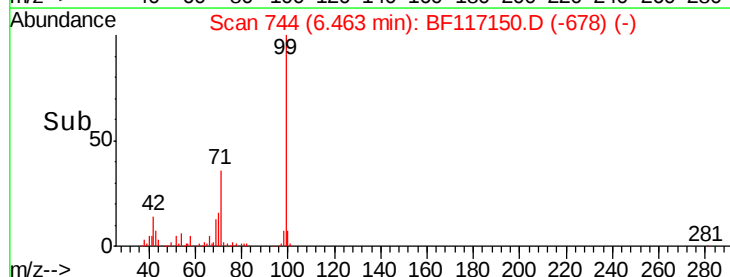
Ion	Ratio	Lower	Upper
77	100		
105	0.0	81.8	121.8#
106	0.0	77.3	117.3#



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

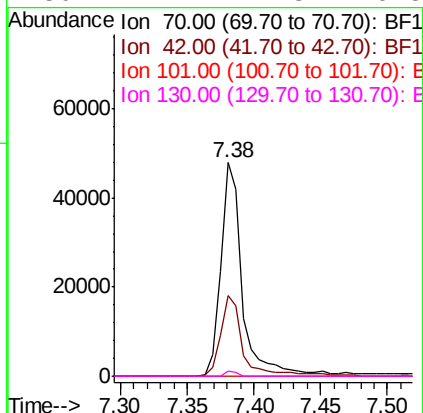
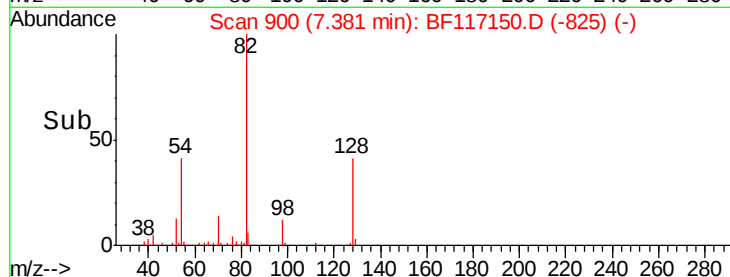
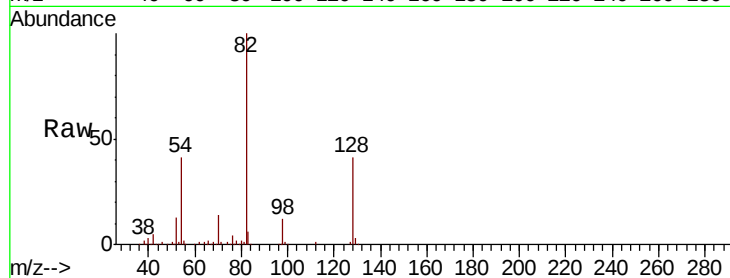




#19
n-Nitroso-di-n-propylamine
Concen: 17.744 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117150.D
Acq: 18 Sep 2019 17:48

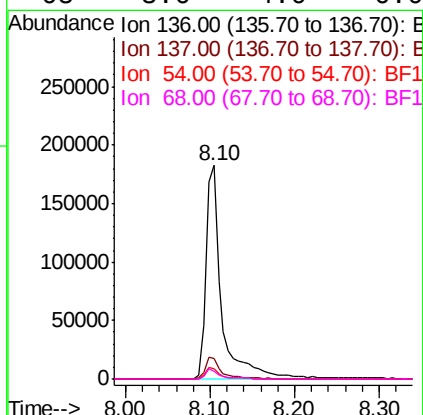
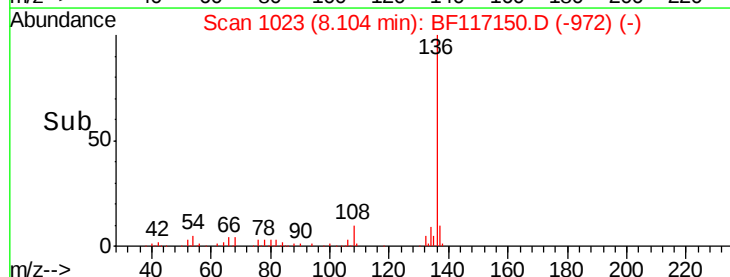
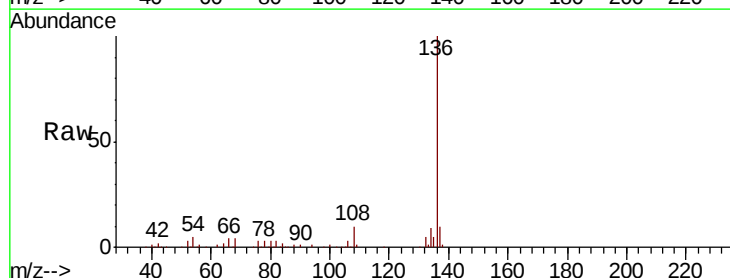
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 54726
Ion Ratio Lower Upper
70 100
42 37.8 34.0 51.0
101 0.0 7.8 11.6#
130 2.1 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: BF117150.D
Acq: 18 Sep 2019 17:48

Tgt Ion: 136 Resp: 236880
Ion Ratio Lower Upper
136 100
137 9.8 9.0 13.4
54 4.9 4.5 6.7
68 3.6 4.0 6.0#

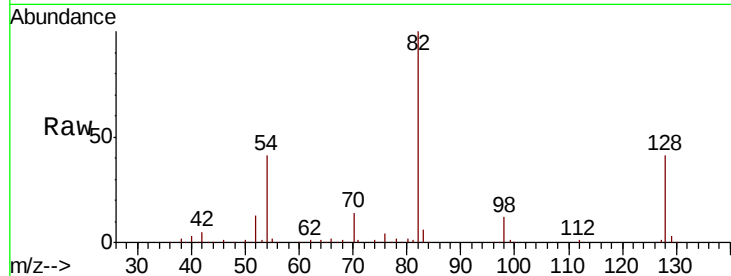




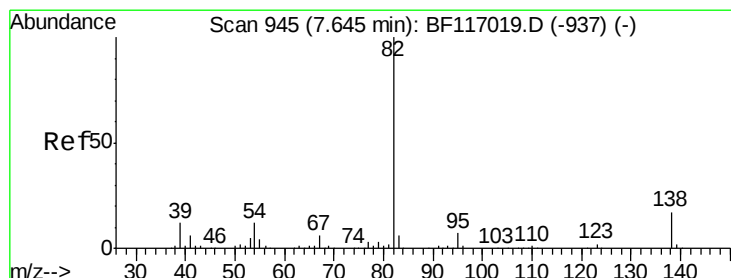
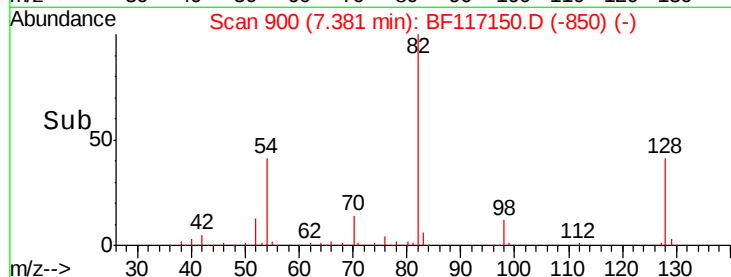
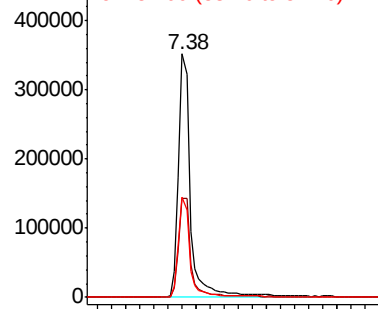
#23
 Nitrobenzene-d5
 Concen: 93.702 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117150.D
 Acq: 18 Sep 2019 17:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	422441
Ion Ratio	Lower	Upper	
82	100		
128	40.8	32.3	48.5
54	41.4	33.3	49.9

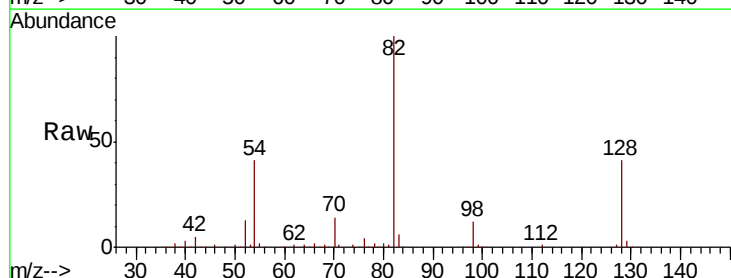


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

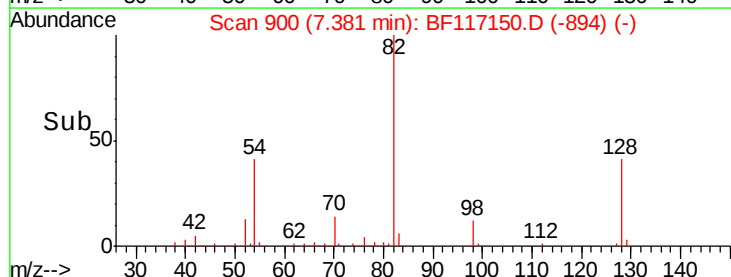
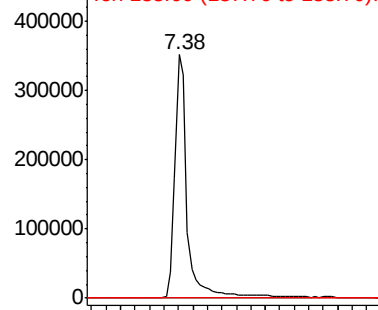


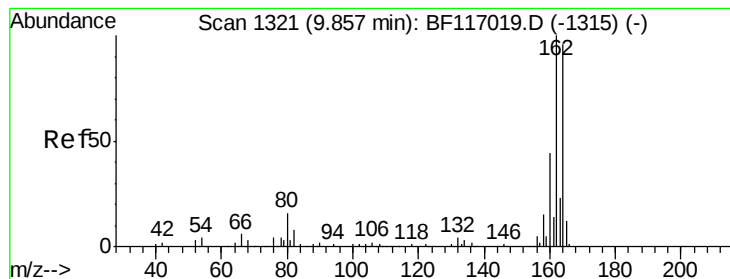
#25
 Isophorone
 Concen: 52.921 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF117150.D
 Acq: 18 Sep 2019 17:48

Tgt Ion	82	Resp	422438
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: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117150.D

Acq: 18 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

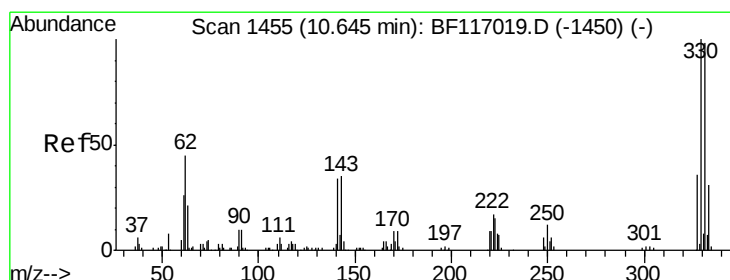
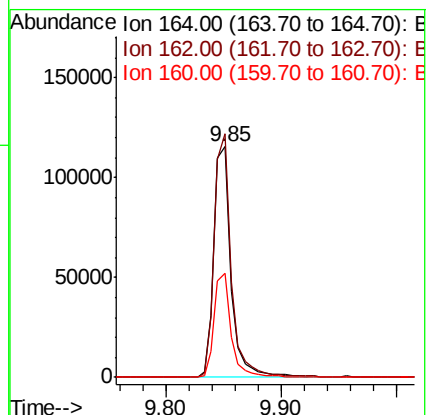
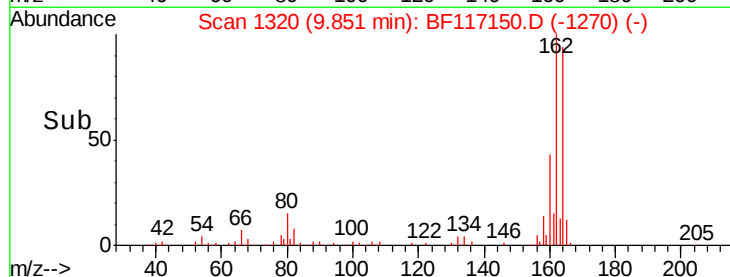
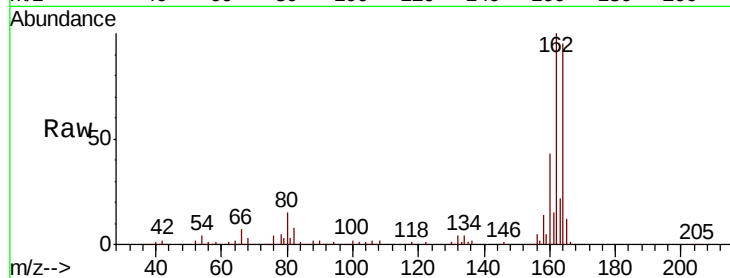
Tot Ion:164 Resp: 120820

Ion Ratio Lower Upper

164 100

162 105.7 83.4 125.2

160 45.2 36.4 54.6



#42

2,4,6-Tribromophenol

Concen: 149.325 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117150.D

Acq: 18 Sep 2019 17:48

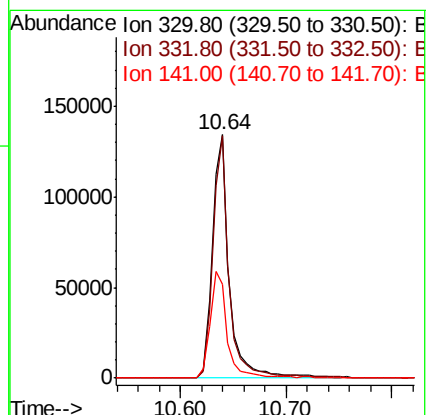
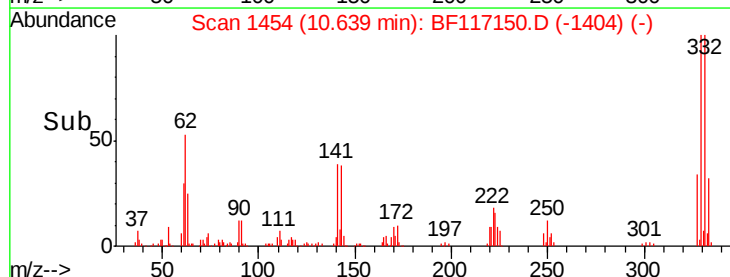
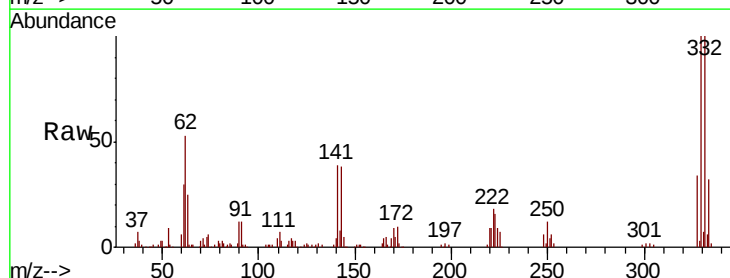
Tgt Ion:330 Resp: 150785

Ion Ratio Lower Upper

330 100

332 95.4 78.0 117.0

141 44.1 35.8 53.6

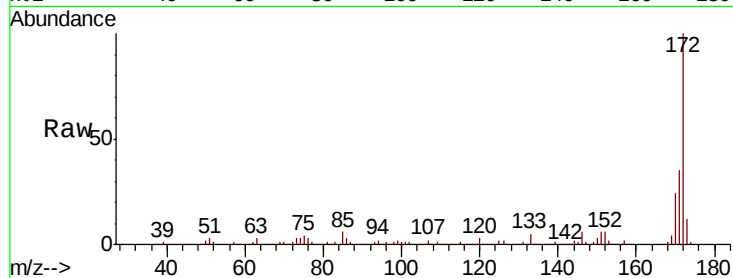




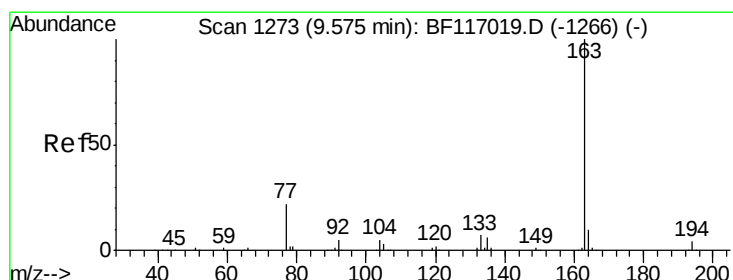
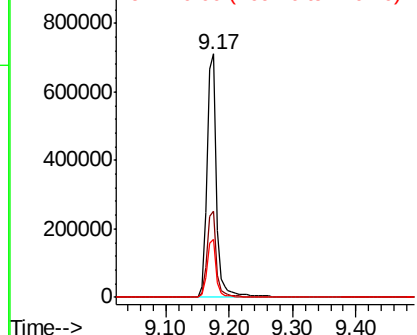
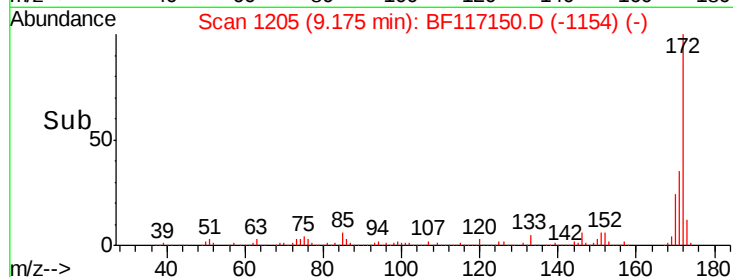
#45
2-Fluorobiphenyl
Concen: 94.413 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117150.D
Acq: 18 Sep 2019 17:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 729546
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 23.7 18.9 28.3

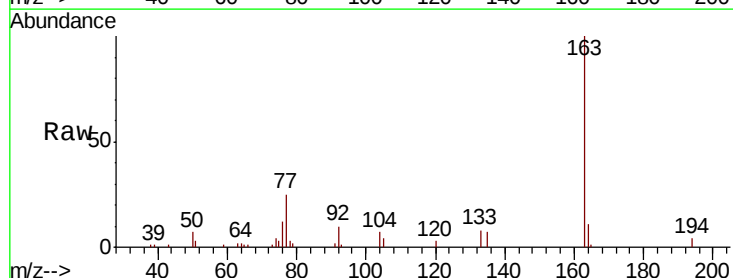


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

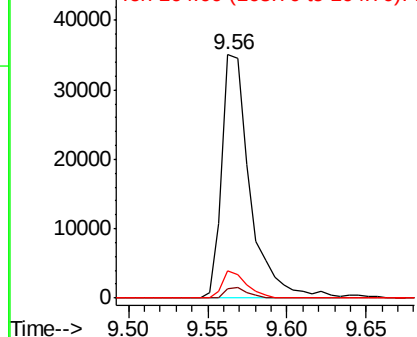
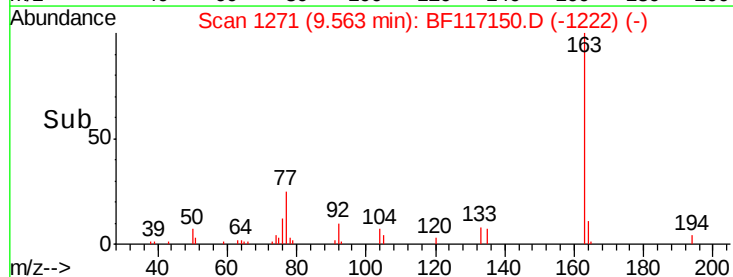


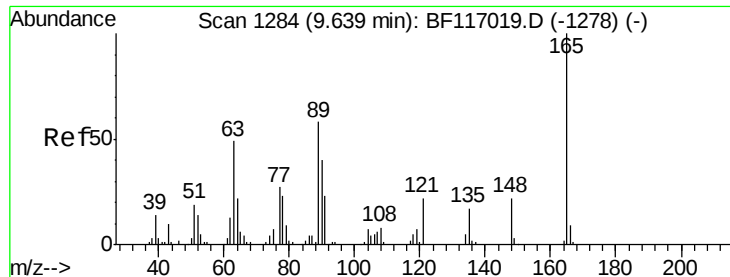
#50
Dimethylphthalate
Concen: 5.099 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117150.D
Acq: 18 Sep 2019 17:48

Tgt Ion:163 Resp: 43617
Ion Ratio Lower Upper
163 100
194 3.8 2.9 4.3
164 11.0 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

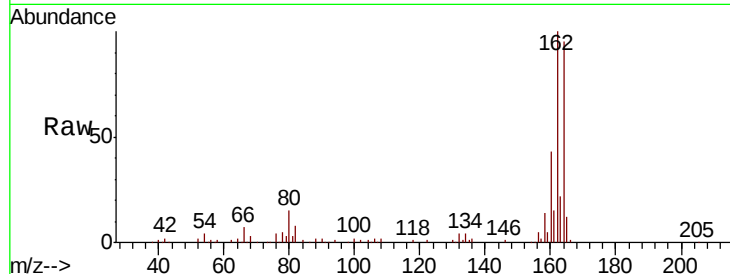




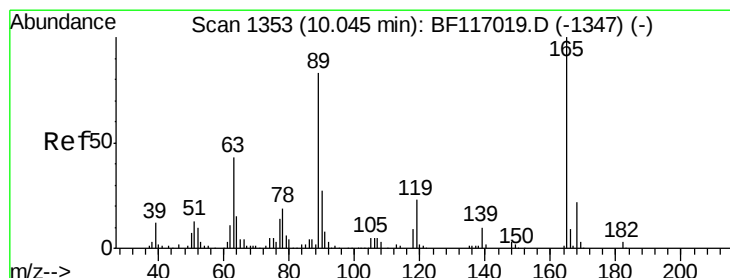
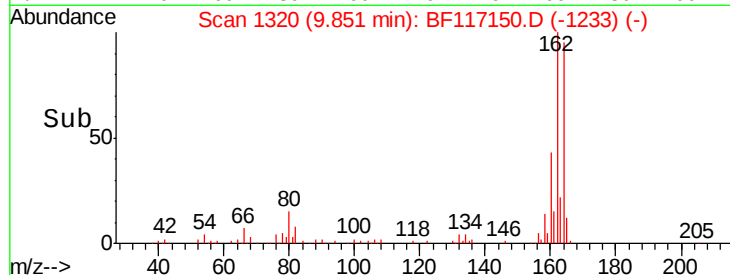
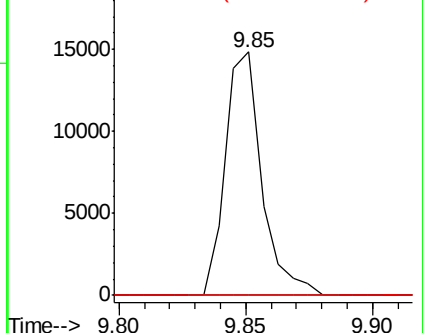
#51
 2,6-Dinitrotoluene
 Concen: 8.520 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117150.D
 Acq: 18 Sep 2019 17:48

Instrument :
 BNA_F
 ClientSampleId :

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



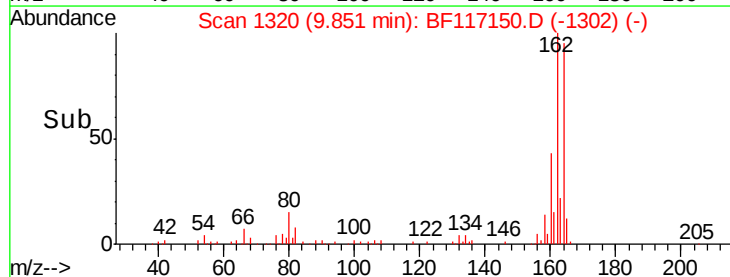
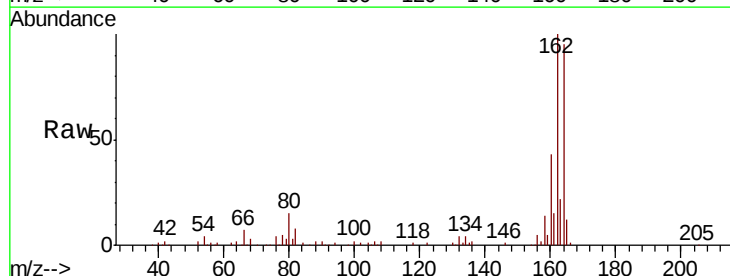
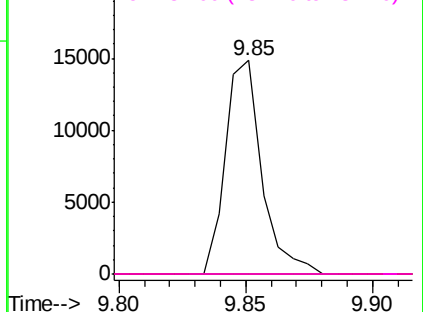
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 6.563 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117150.D
 Acq: 18 Sep 2019 17:48

Tgt 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: BF117150.D

Acq: 18 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

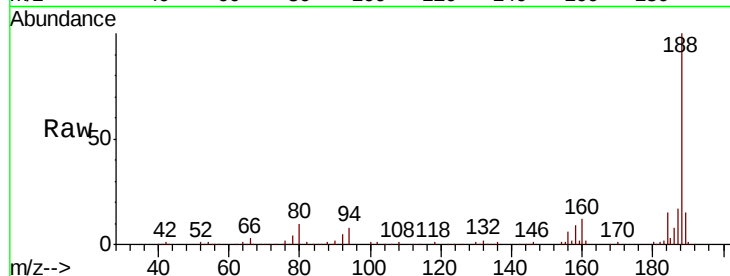
Tot Ion:188 Resp: 201740

Ion Ratio Lower Upper

188 100

94 8.3 8.2 12.2

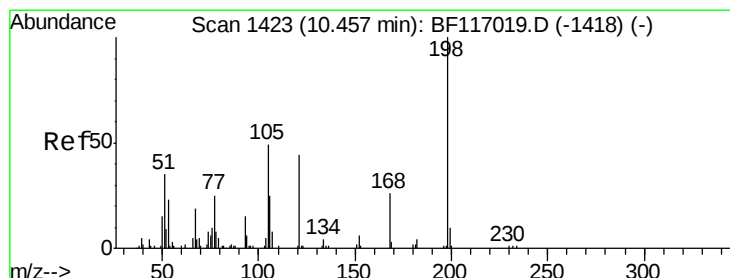
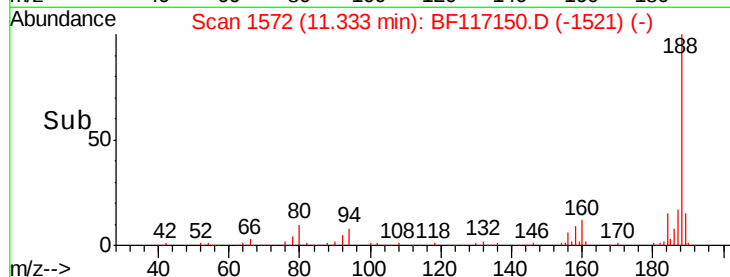
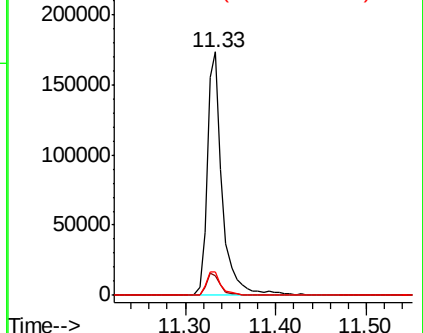
80 9.6 9.0 13.6



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: 7.023 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF117150.D

Acq: 18 Sep 2019 17:48

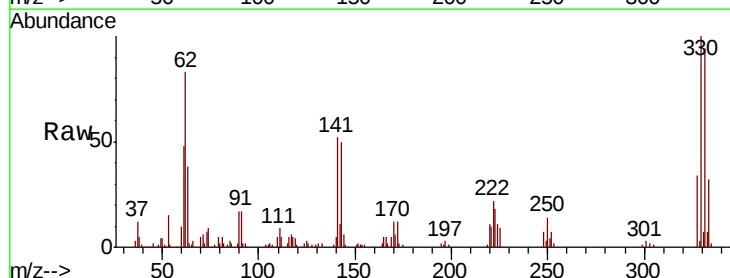
Tgt Ion:198 Resp: 130

Ion Ratio Lower Upper

198 100

51 207.3 18.7 58.7#

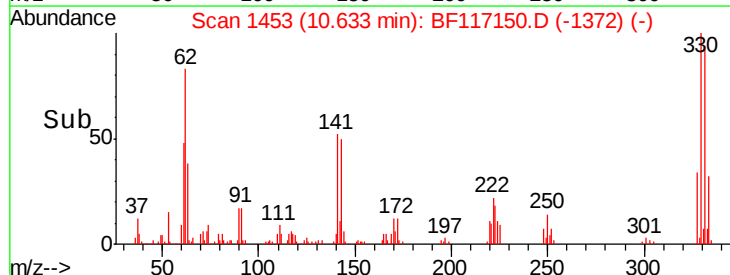
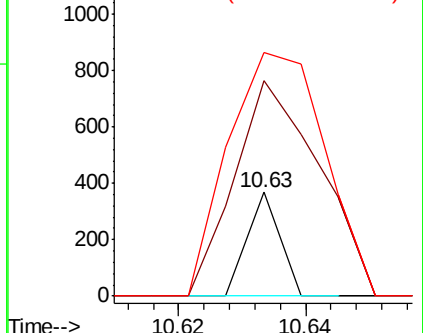
105 234.1 30.2 70.2#



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

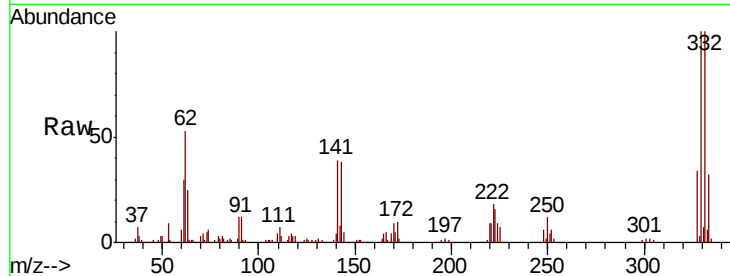




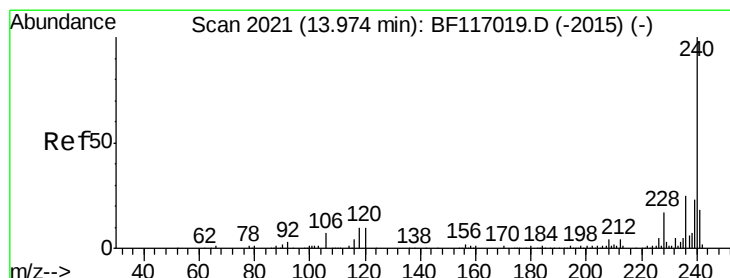
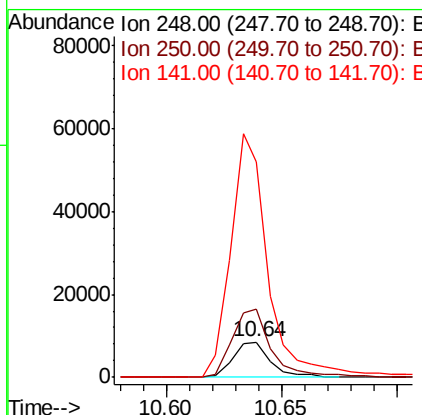
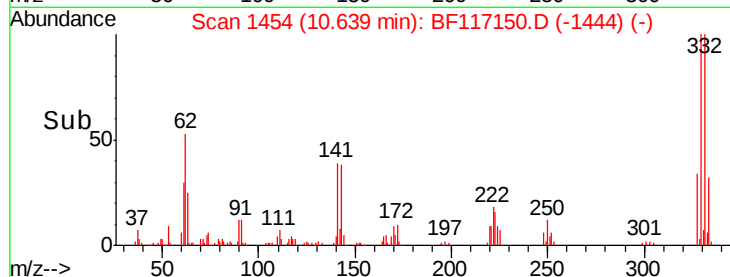
#67
 4-Bromophenyl-phenylether
 Concen: 4.656 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117150.D
 Acq: 18 Sep 2019 17:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9593
 Ion Ratio Lower Upper
 248 100
 250 191.4 76.2 114.4#
 141 609.7 75.0 112.4#

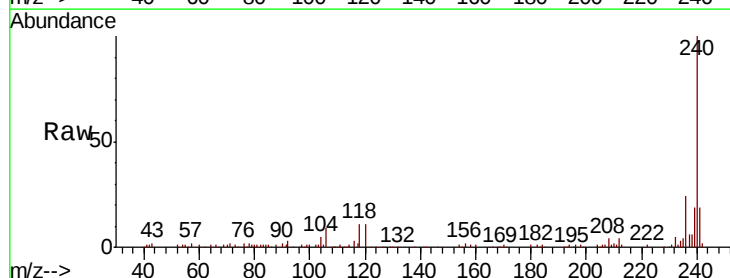


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

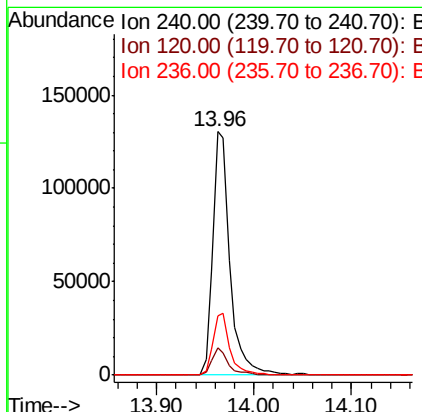
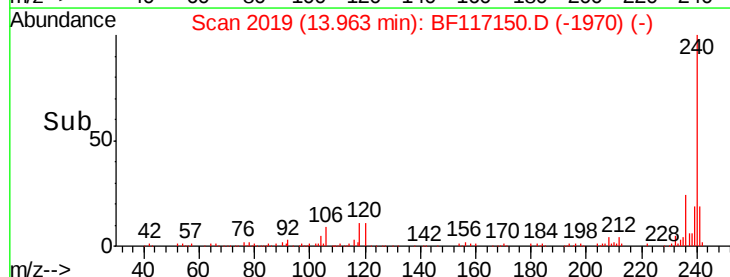


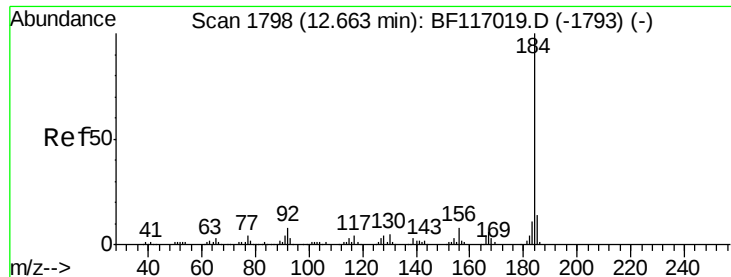
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF117150.D
 Acq: 18 Sep 2019 17:48

Tgt Ion:240 Resp: 159403
 Ion Ratio Lower Upper
 240 100
 120 11.2 8.3 12.5
 236 24.3 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: 2.068 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.25 min

Lab File: BF117150.D

Acq: 18 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

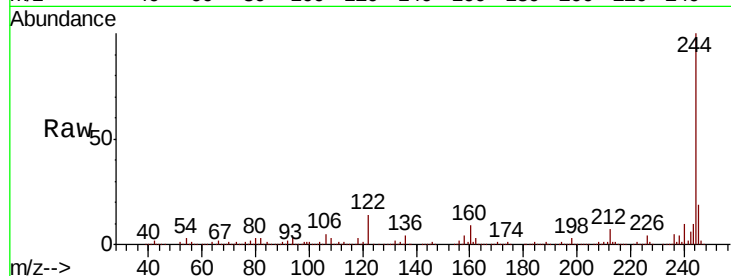
Tot Ion:184 Resp: 10618

Ion Ratio Lower Upper

184 100

185 19.2 11.6 17.4#

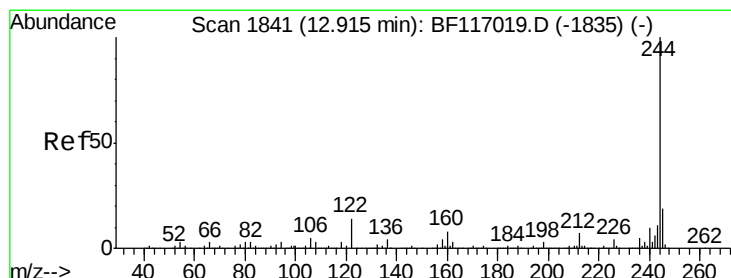
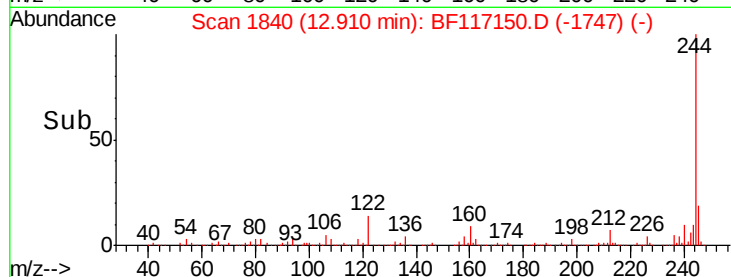
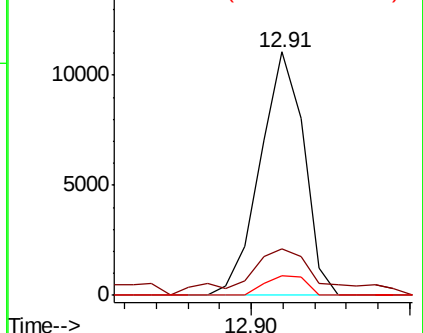
183 8.2 9.0 13.4#



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: 85.775 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117150.D

Acq: 18 Sep 2019 17:48

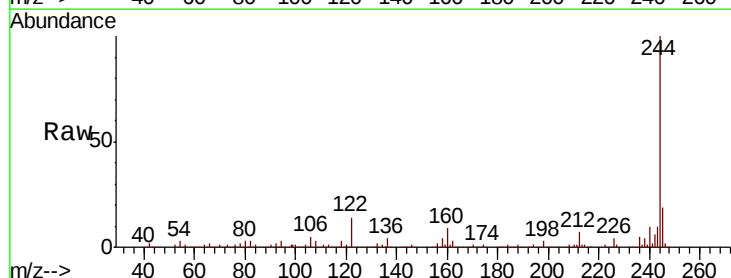
Tgt Ion:244 Resp: 731472

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

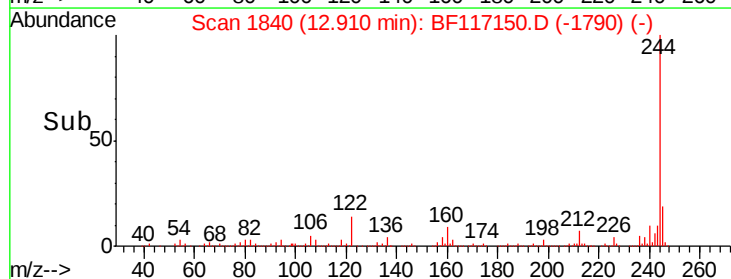
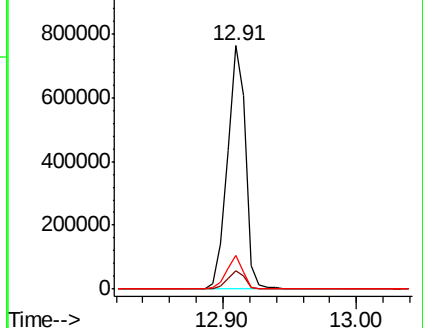
122 13.7 11.3 16.9

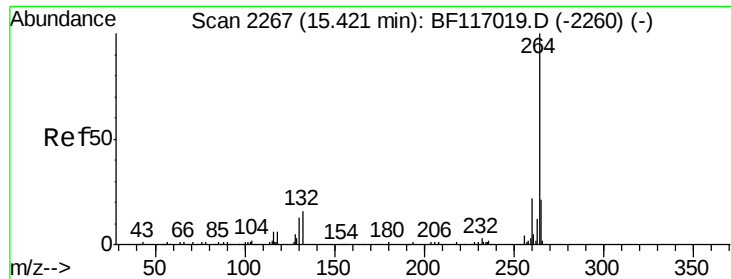


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

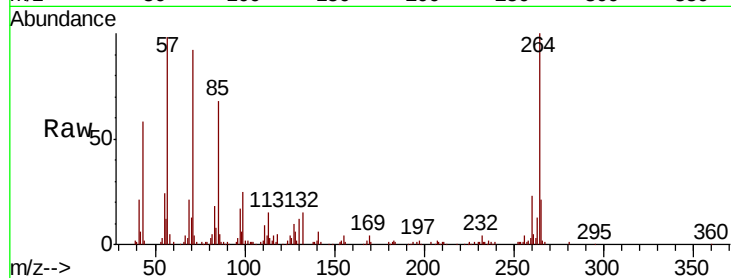




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF117150.D
 Acq: 18 Sep 2019 17:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	23.0	17.6	26.4	
265	21.2	16.6	24.8	



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

