

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
 Data File : BF117029.D
 Acq On : 13 Sep 2019 18:25
 Operator : HP/JU
 Sample : K4851-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 00:17:10 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

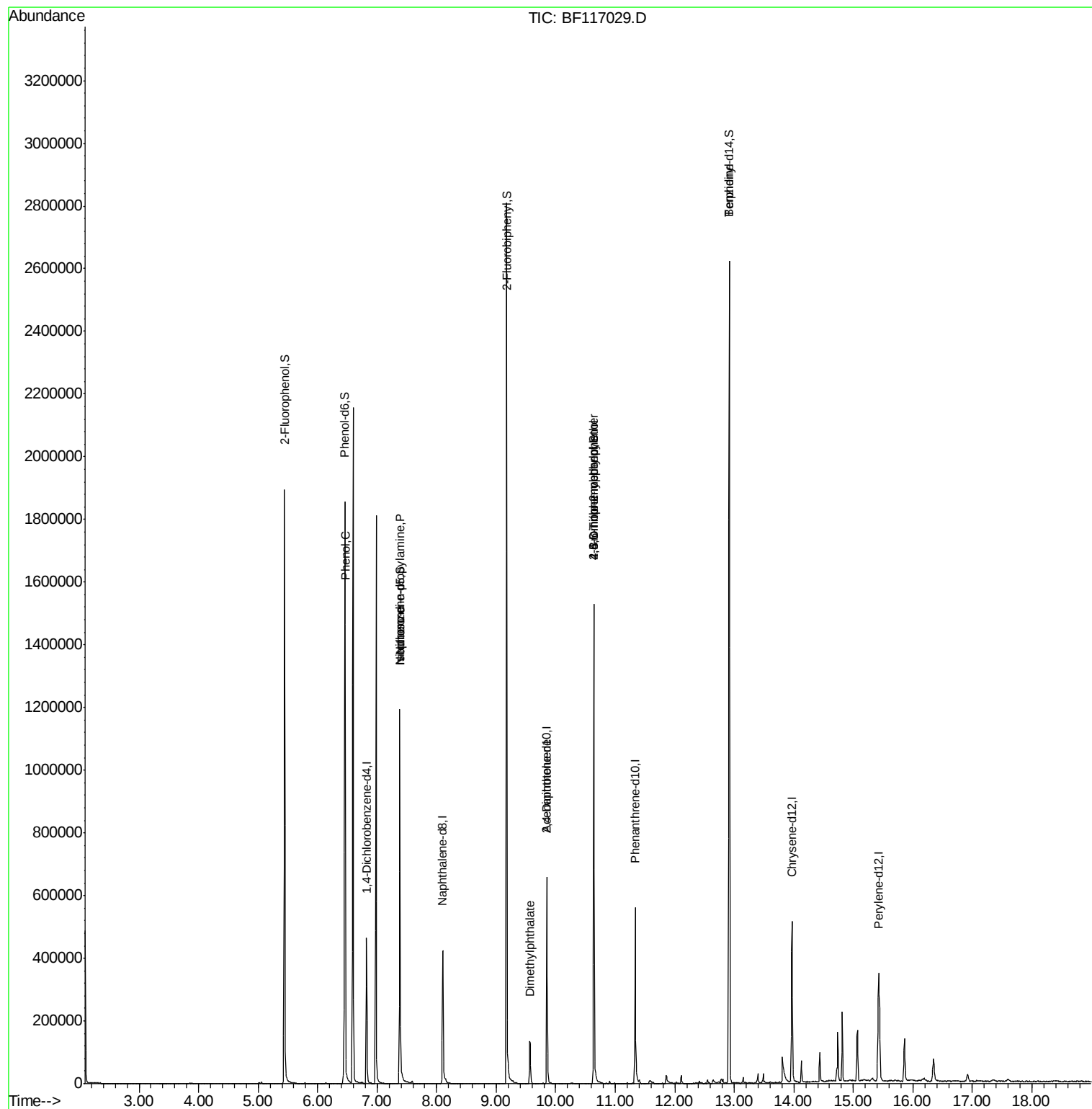
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	67941	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	272576	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	141317	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	244063	20.00	ng	0.00
76) Chrysene-d12	13.97	240	186556	20.00	ng	0.00
87) Perylene-d12	15.42	264	168822	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	566389	130.15	ng	0.00
7) Phenol-d6	6.46	99	779084	138.53	ng	0.00
23) Nitrobenzene-d5	7.38	82	477208	91.99	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	169231	143.28	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	854294	94.52	ng	0.00
79) Terphenyl-d14	12.92	244	858216	85.99	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	1455	Below Cal		Qvalue
10) Phenol	6.47	94	33999	5.484	ng	# 1
19) n-Nitroso-di-n-propylamine	7.38	70	64110	18.721	ng	# 79
25) Isophorone	7.38	82	473399	51.539	ng	# 66
50) Dimethylphthalate	9.57	163	70962	7.092	ng	# 99
57) 2,4-Dinitrotoluene	9.85	165	17691	6.688	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.63	198	368	7.186	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	10911	4.378	ng	# 1
77) Benzidine	12.92	184	12446	2.071	ng	# 94

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

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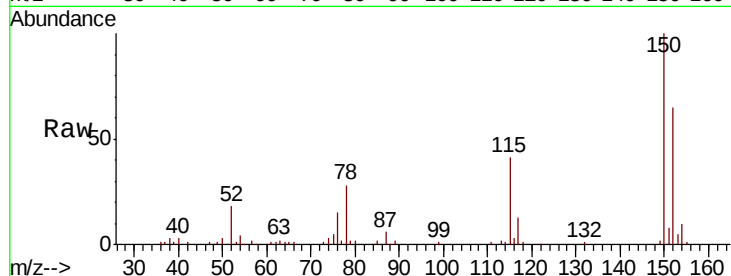


#1

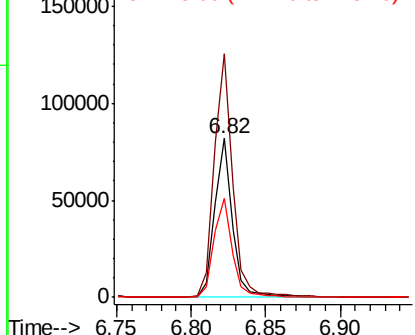
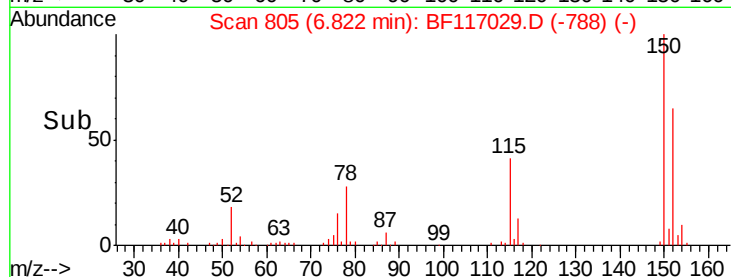
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117029.D
Acq: 13 Sep 2019 18:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 67941
Ion Ratio Lower Upper
152 100
150 153.5 127.5 191.3
115 62.8 55.0 82.4



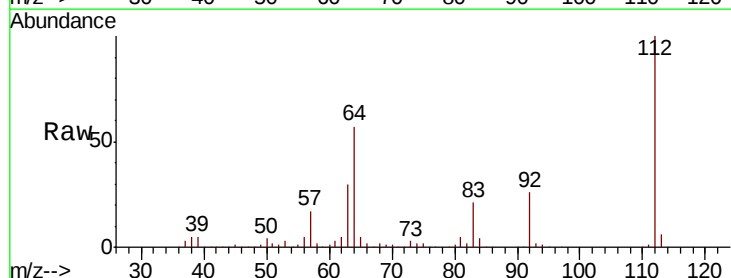
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



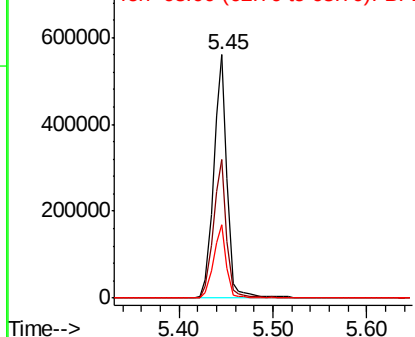
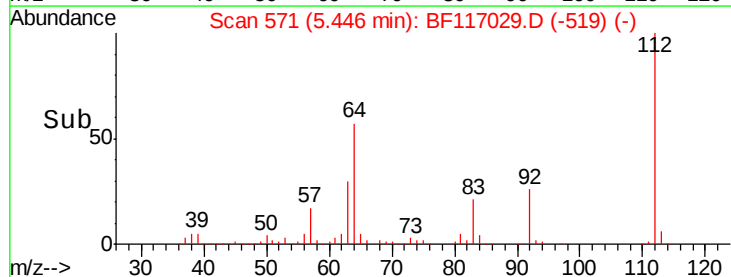
#5

2-Fluorophenol
Concen: 130.153 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117029.D
Acq: 13 Sep 2019 18:25

Tgt Ion:112 Resp: 566389
Ion Ratio Lower Upper
112 100
64 56.8 45.7 68.5
63 30.0 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: 138.529 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117029.D

Acq: 13 Sep 2019 18:25

Instrument :

BNA_F

ClientSampled :

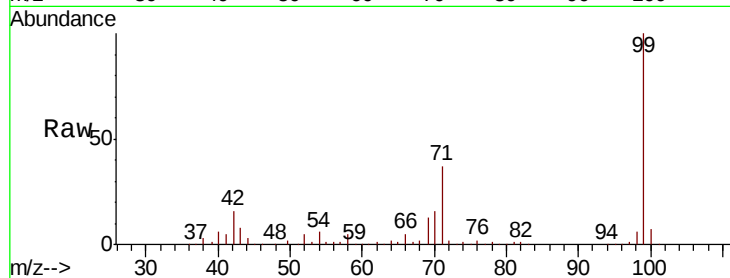
Tot Ion: 99 Resp: 779084

Ion Ratio Lower Upper

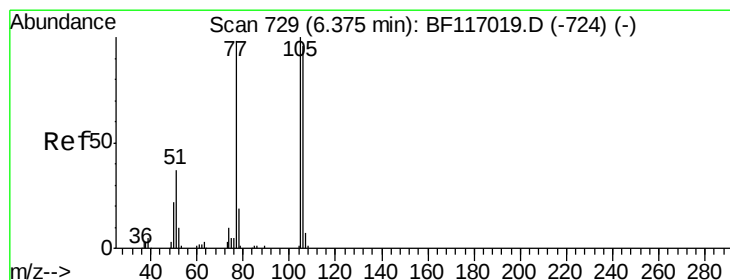
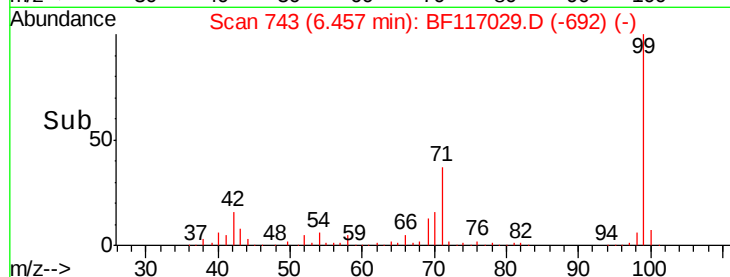
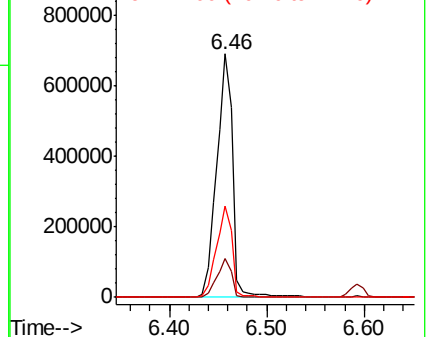
99 100

42 15.9 12.2 18.2

71 37.3 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: BF117029.D

Acq: 13 Sep 2019 18:25

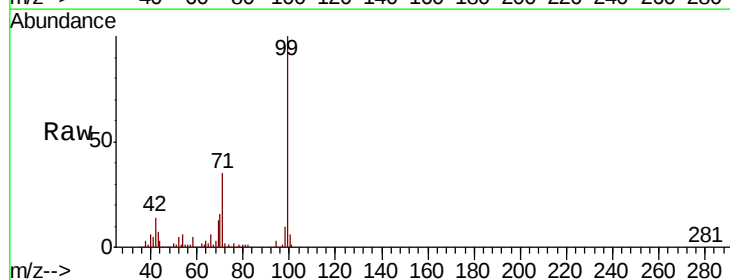
Tgt Ion: 77 Resp: 1455

Ion Ratio Lower Upper

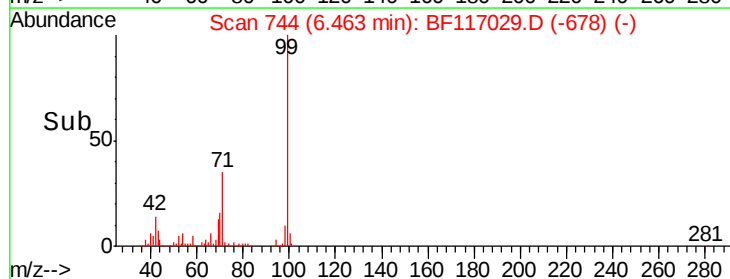
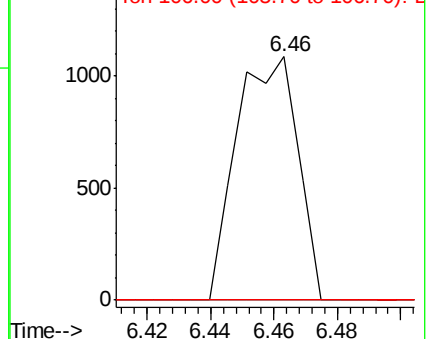
77 100

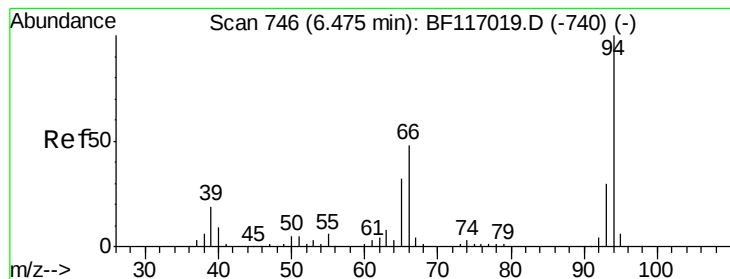
105 0.0 81.8 121.8#

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





#10

Phenol

Concen: 5.484 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF117029.D

Acq: 13 Sep 2019 18:25

Instrument :

BNA_F

ClientSampleId :

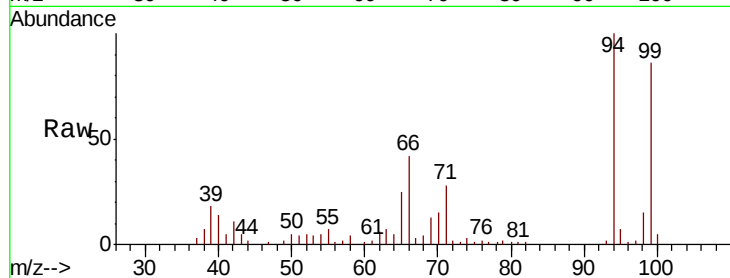
Tot Ion: 94 Resp: 33999

Ion Ratio Lower Upper

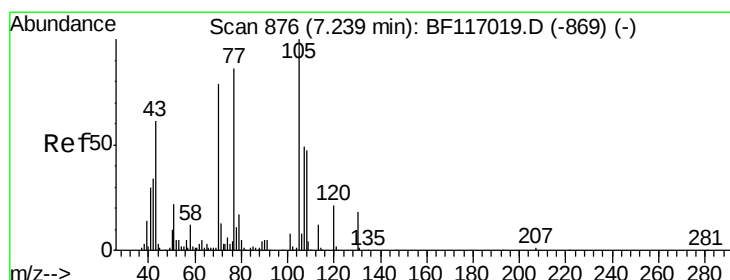
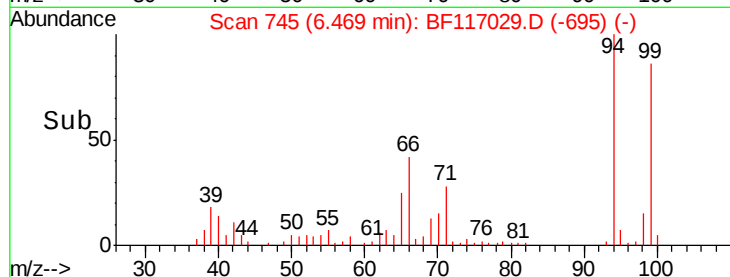
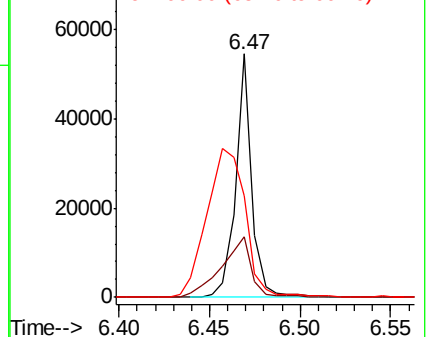
94 100

65 25.1 12.5 52.5

66 41.8 28.9 68.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.721 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF117029.D

Acq: 13 Sep 2019 18:25

Tgt Ion: 70 Resp: 64110

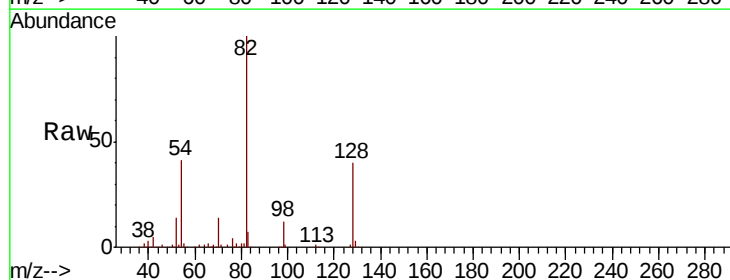
Ion Ratio Lower Upper

70 100

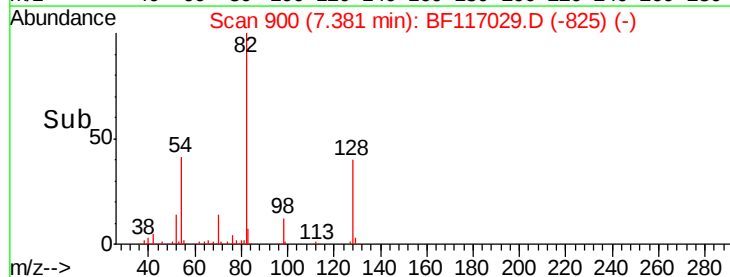
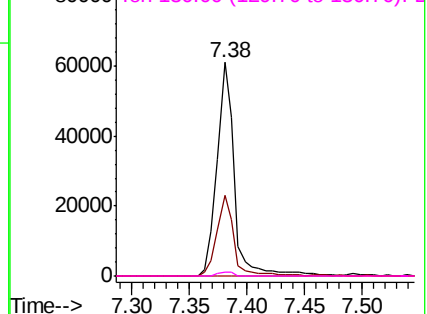
42 37.6 34.0 51.0

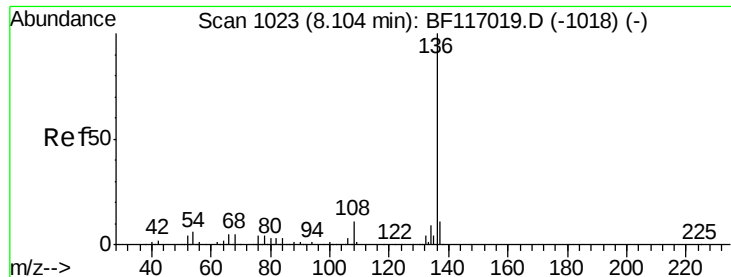
101 0.0 7.8 11.6#

130 1.6 17.8 26.8#



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

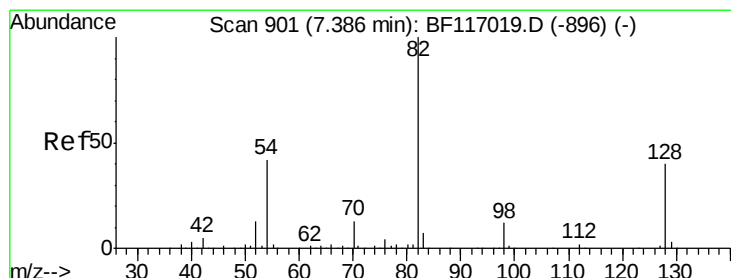
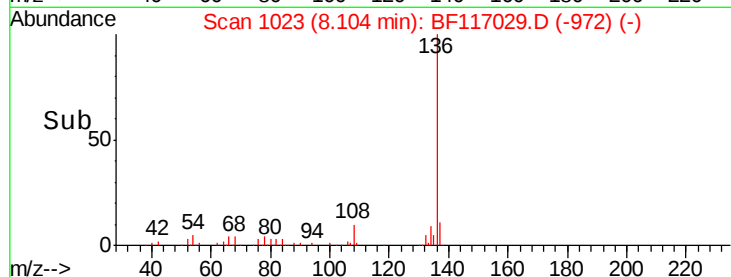
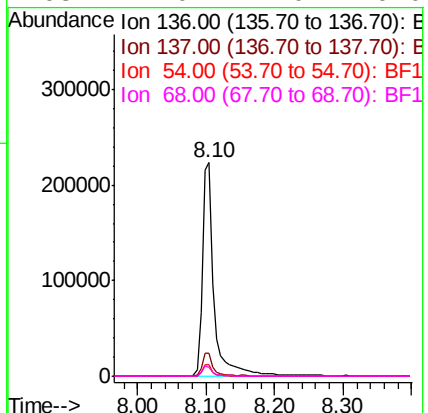
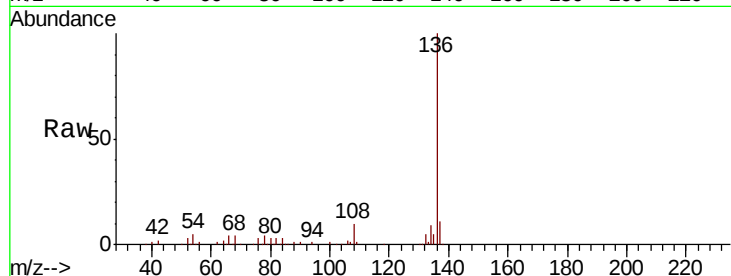




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117029.D
Acq: 13 Sep 2019 18:25

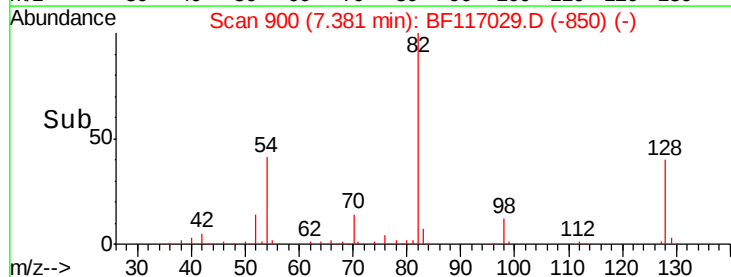
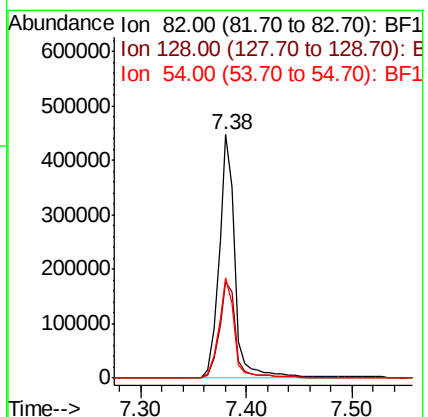
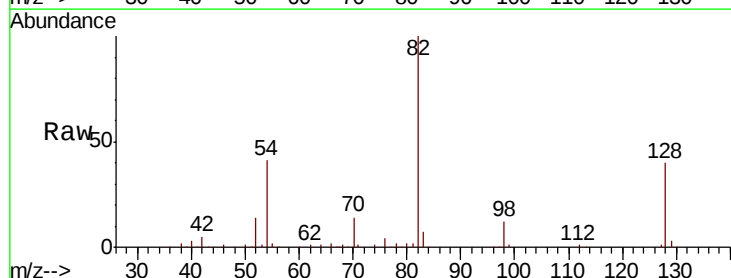
Instrument :
BNA_F
ClientSampleId :

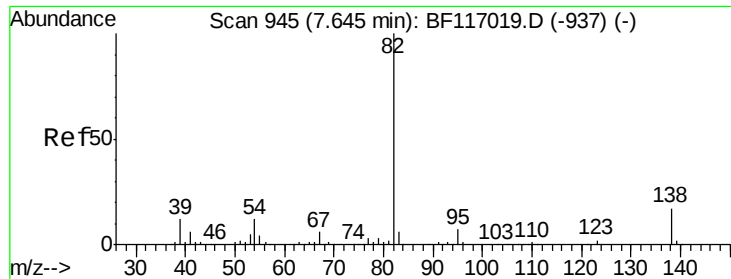
Tot Ion:136	Resp:	272576
Ion Ratio	Lower	Upper
136 100		
137 10.6	9.0	13.4
54 5.2	4.5	6.7
68 4.0	4.0	6.0



#23
Nitrobenzene-d5
Concen: 91.988 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117029.D
Acq: 13 Sep 2019 18:25

Tgt Ion: 82	Resp: 477208
Ion Ratio	Lower Upper
82 100	
128 39.8	32.3 48.5
54 41.2	33.3 49.9





#25

Isophorone

Concen: 51.539 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF117029.D

Acq: 13 Sep 2019 18:25

Instrument :

BNA_F

ClientSampled :

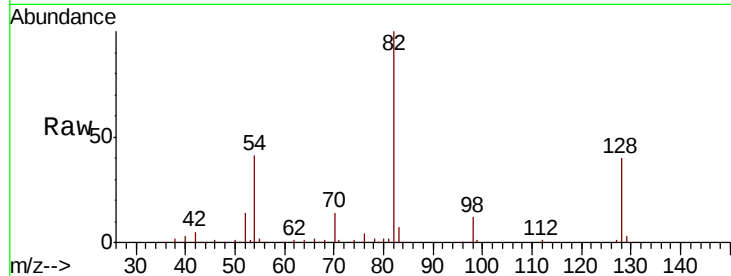
Tot Ion: 82 Resp: 473399

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

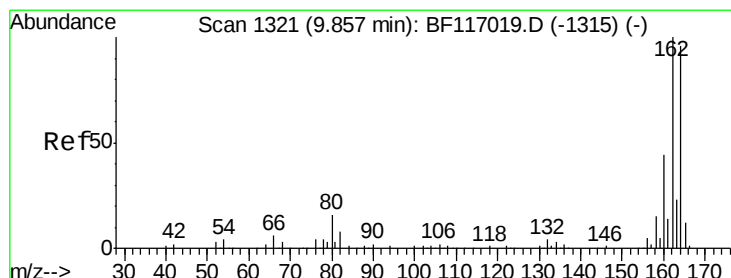
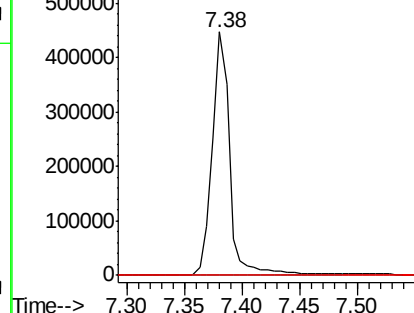
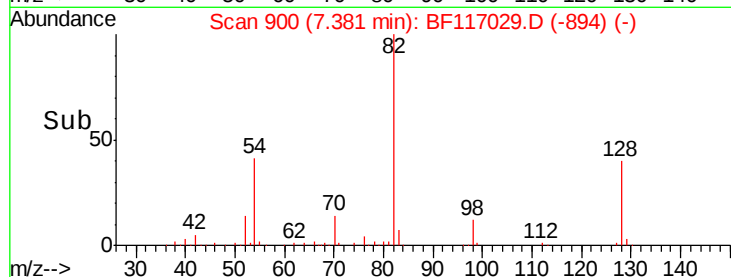
138 0.0 13.5 20.3#



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: BF117029.D

Acq: 13 Sep 2019 18:25

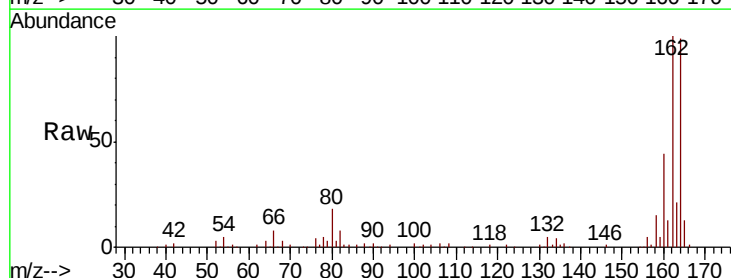
Tgt Ion: 164 Resp: 141317

Ion Ratio Lower Upper

164 100

162 101.3 83.4 125.2

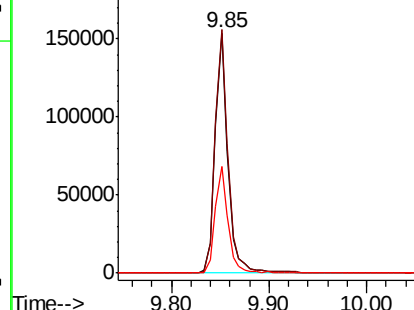
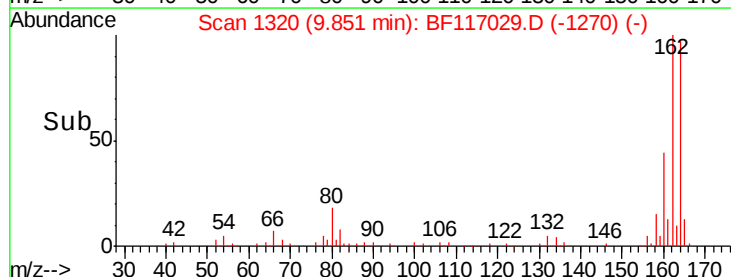
160 44.3 36.4 54.6

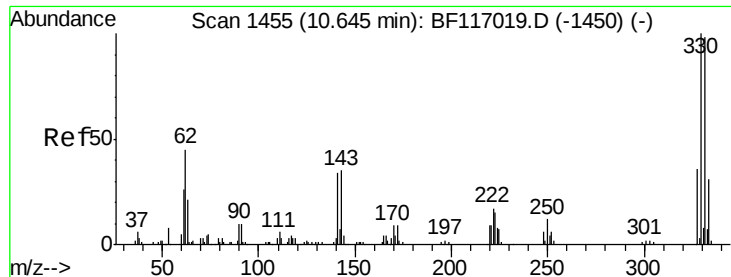


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

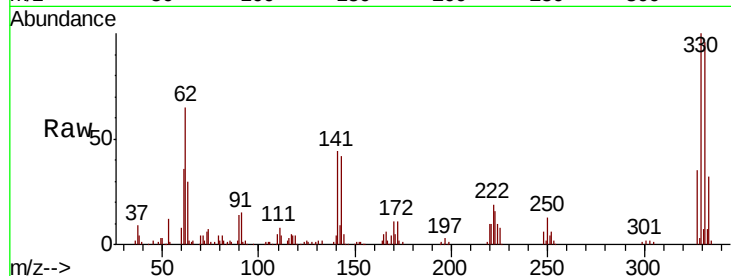




#42
 2,4,6-Tribromophenol
 Concen: 143.284 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117029.D
 Acq: 13 Sep 2019 18:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	78.0	117.0
141	45.0	35.8	53.6

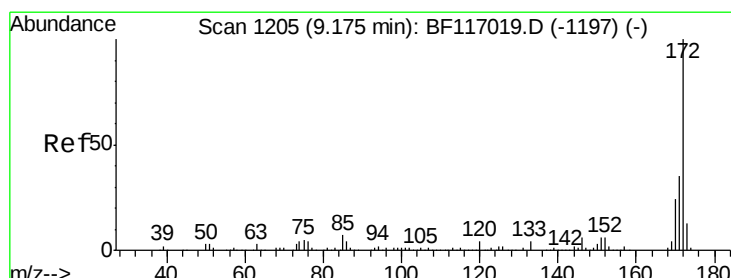
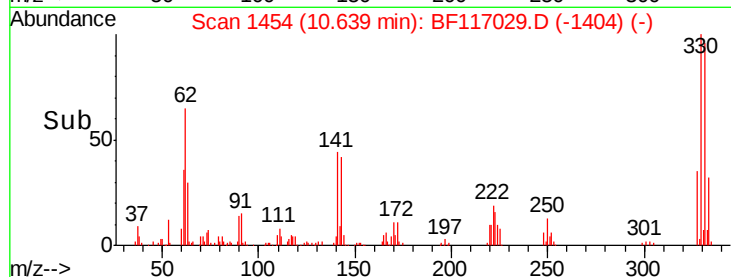
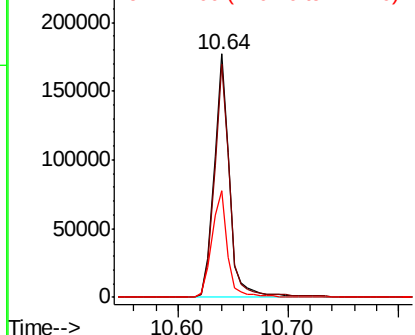


Abundance

Ion 329.80 (329.50 to 330.50): E

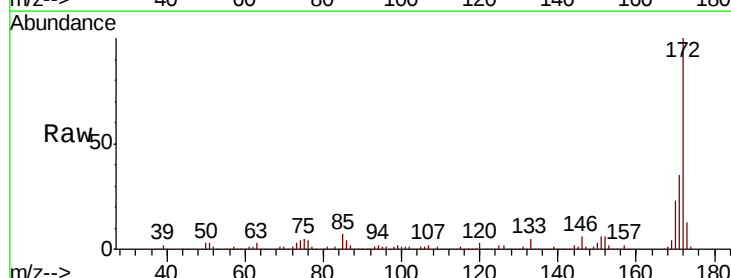
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 94.522 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117029.D
 Acq: 13 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.2
170	23.5	18.9	28.3

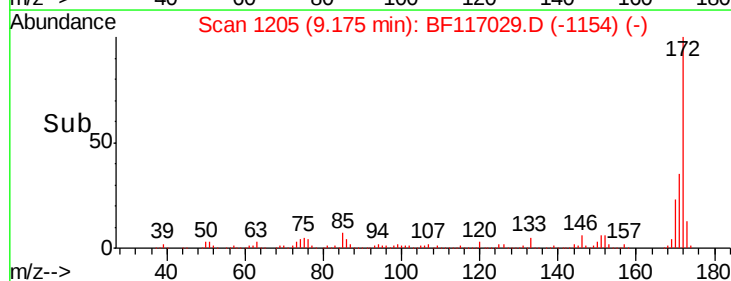
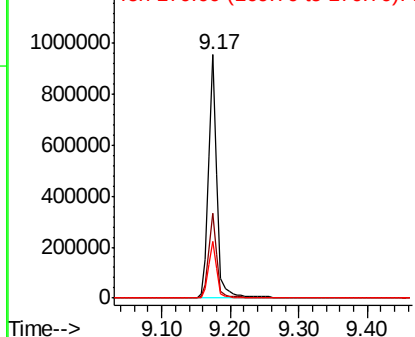


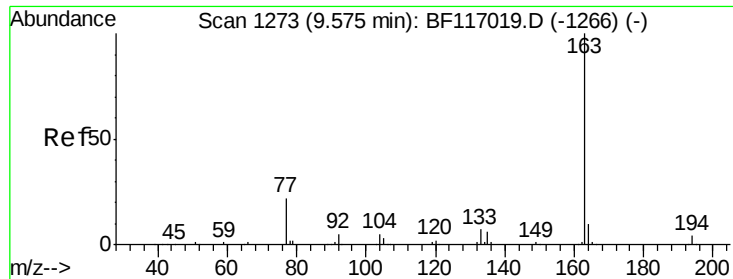
Abundance

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

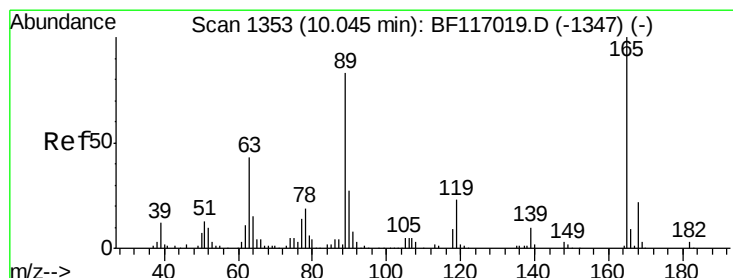
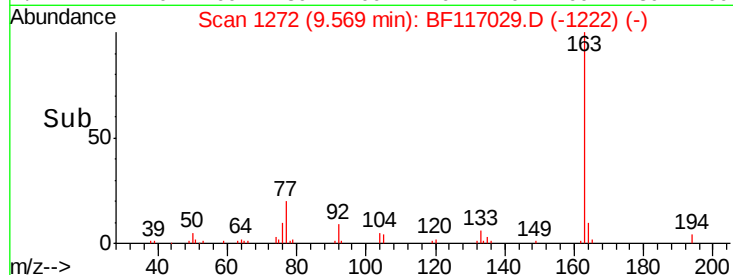
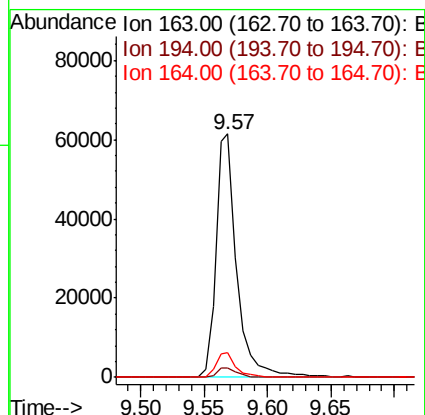
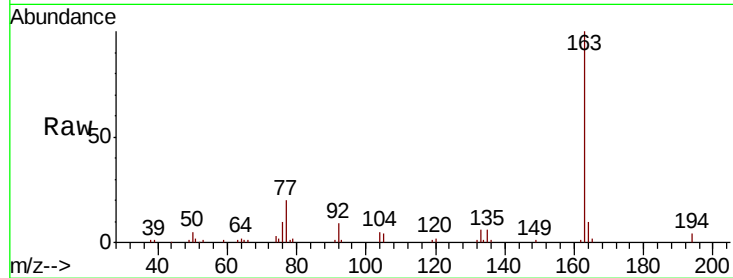




#50
Dimethylphthalate
Concen: 7.092 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117029.D
Acq: 13 Sep 2019 18:25

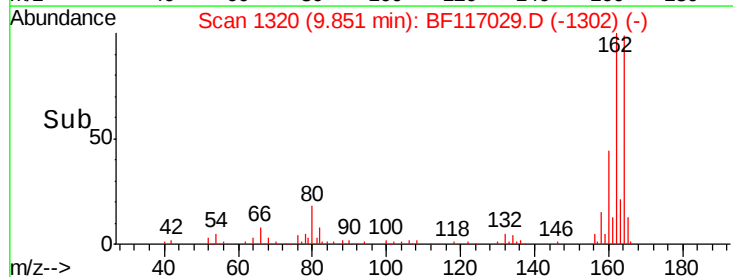
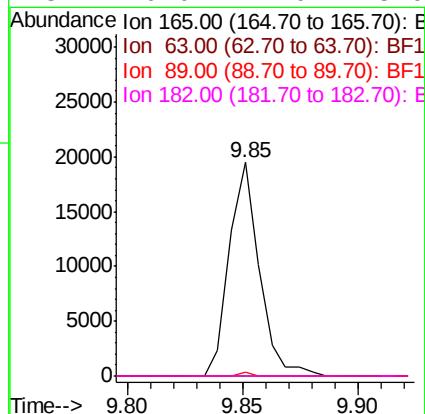
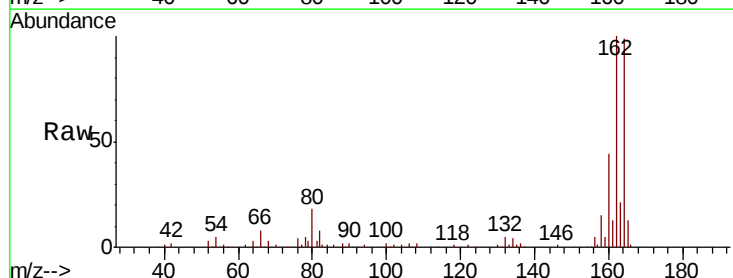
Instrument :
BNA_F
ClientSampleId :

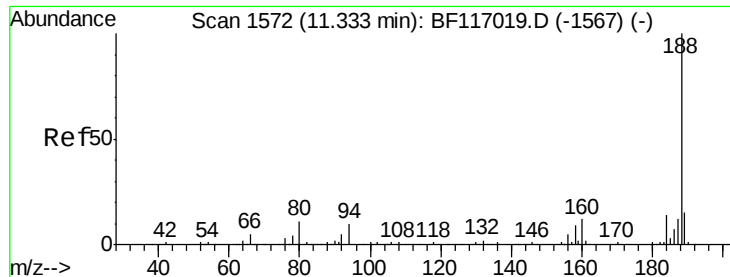
Tot Ion:163 Resp: 70962
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 10.0 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 6.688 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF117029.D
Acq: 13 Sep 2019 18:25

Tgt Ion:165 Resp: 17691
Ion Ratio Lower Upper
165 100
63 0.0 35.0 52.4#
89 1.9 66.1 99.1#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF117029.D

Acq: 13 Sep 2019 18:25

Instrument :

BNA_F

ClientSampleId :

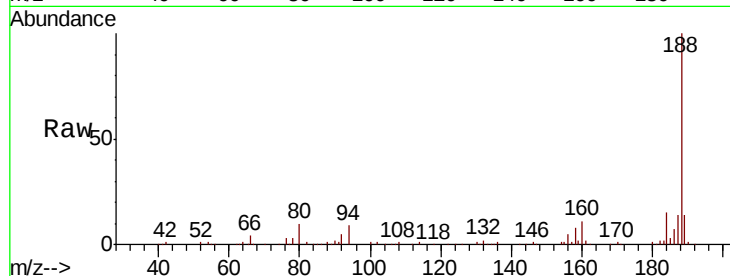
Tot Ion:188 Resp: 244063

Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.2

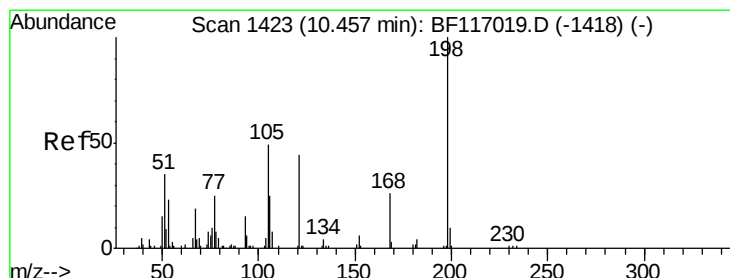
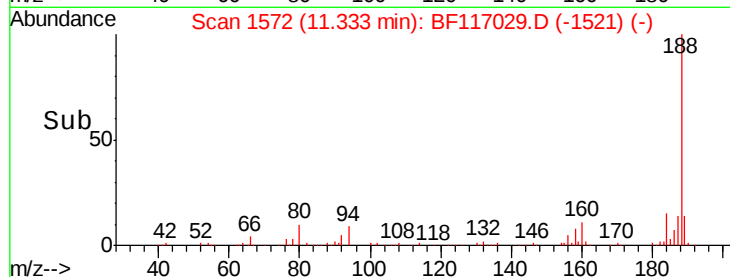
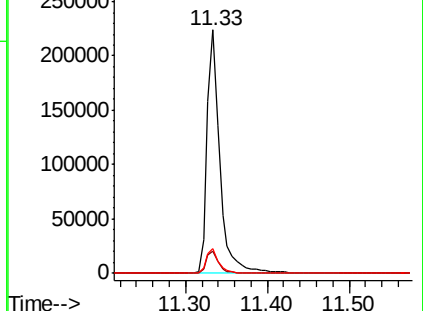
80 10.1 9.0 13.6



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: 7.186 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF117029.D

Acq: 13 Sep 2019 18:25

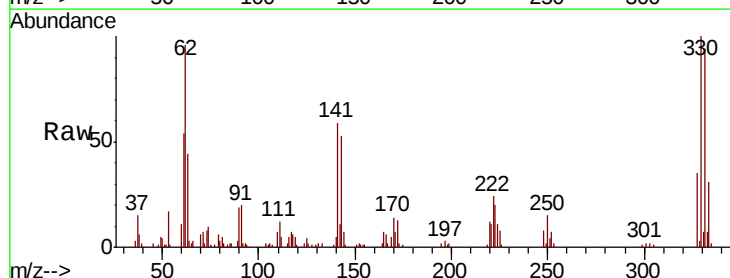
Tgt Ion:198 Resp: 368

Ion Ratio Lower Upper

198 100

51 134.5 18.7 58.7#

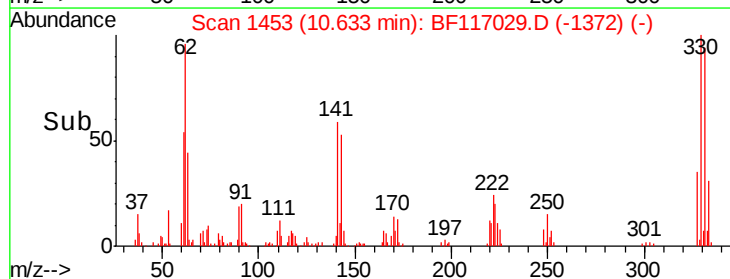
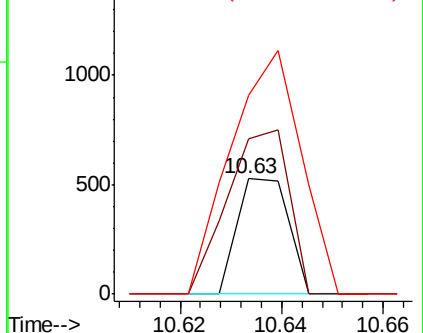
105 172.5 30.2 70.2#



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

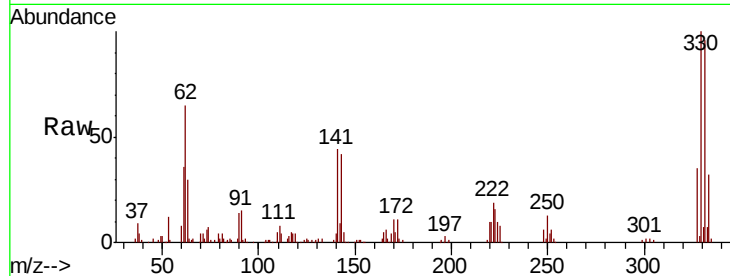




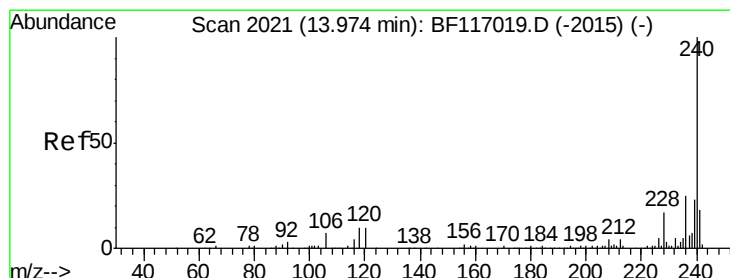
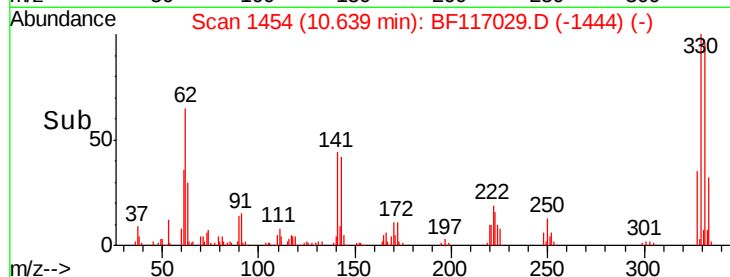
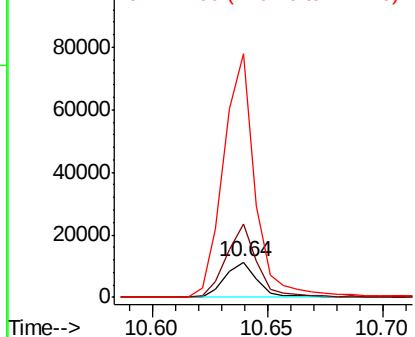
#67
 4-Bromophenyl-phenylether
 Concen: 4.378 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117029.D
 Acq: 13 Sep 2019 18:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 10911
 Ion Ratio Lower Upper
 248 100
 250 206.8 76.2 114.4#
 141 692.0 75.0 112.4#

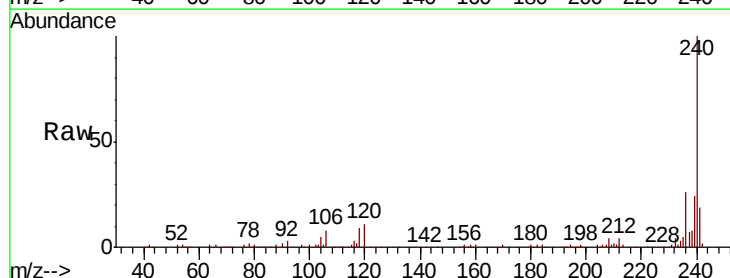


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

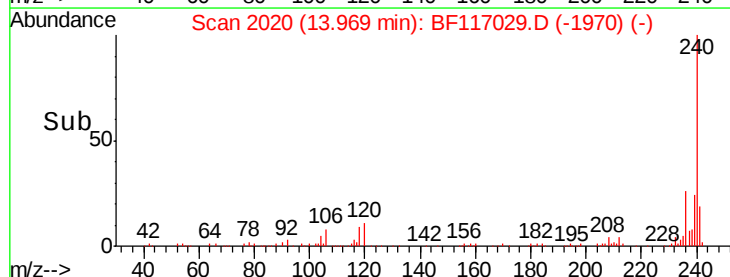
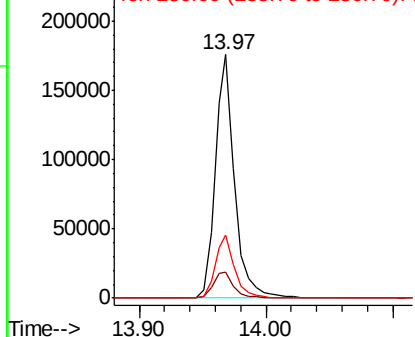


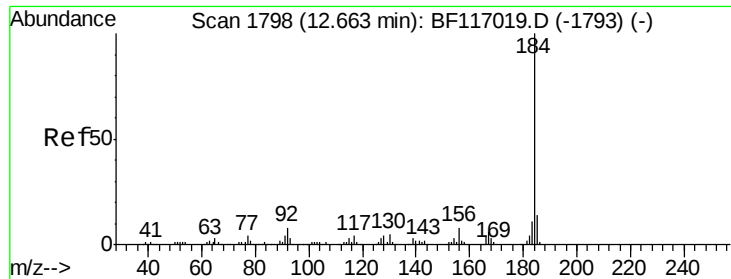
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117029.D
 Acq: 13 Sep 2019 18:25

Tgt Ion:240 Resp: 186556
 Ion Ratio Lower Upper
 240 100
 120 10.6 8.3 12.5
 236 26.1 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: 2.071 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117029.D

Acq: 13 Sep 2019 18:25

Instrument :

BNA_F

ClientSampleId :

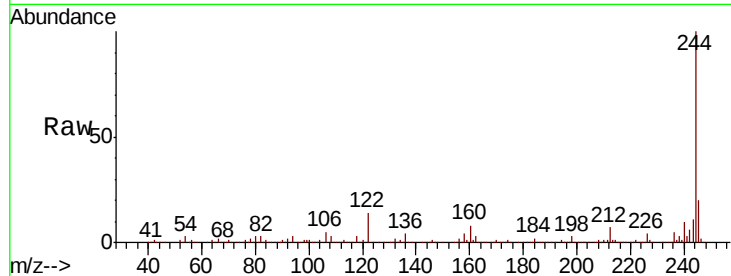
Tot Ion:184 Resp: 12446

Ion Ratio Lower Upper

184 100

185 16.7 11.6 17.4

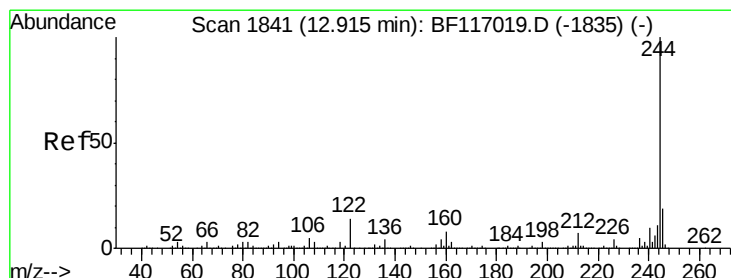
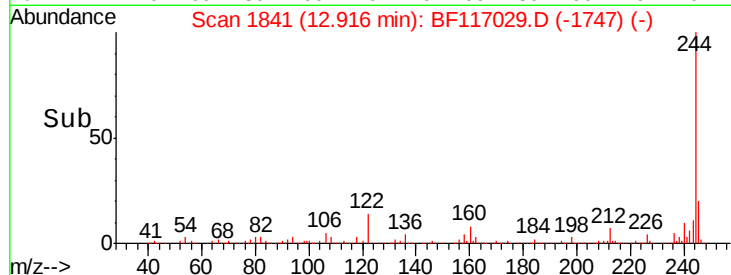
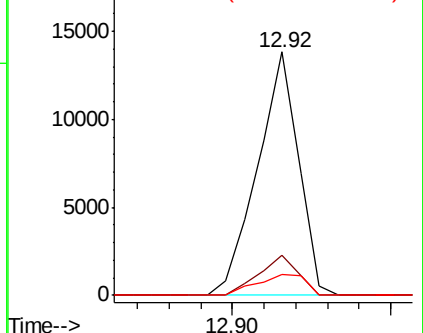
183 8.5 9.0 13.4#



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: 85.990 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117029.D

Acq: 13 Sep 2019 18:25

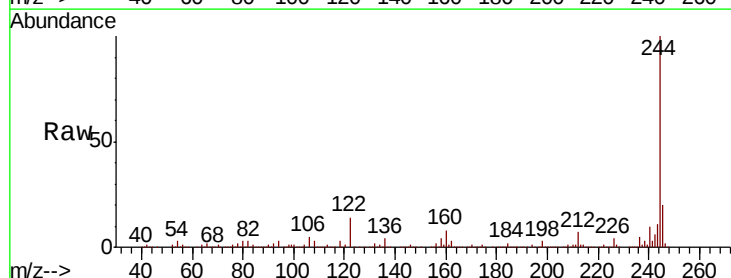
Tgt Ion:244 Resp: 858216

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

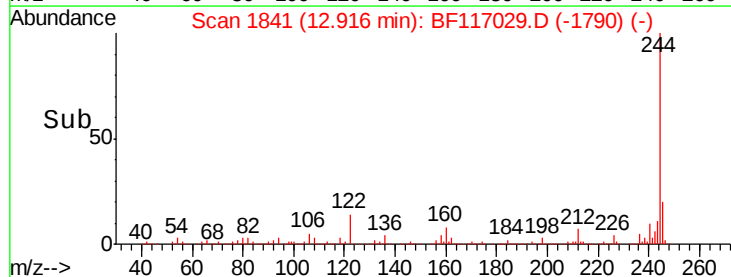
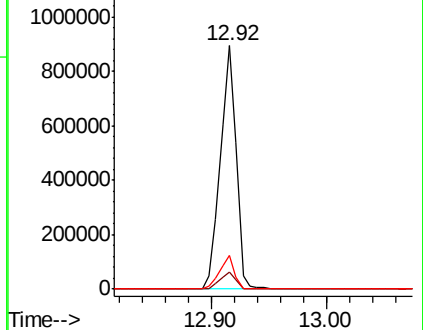
122 14.0 11.3 16.9

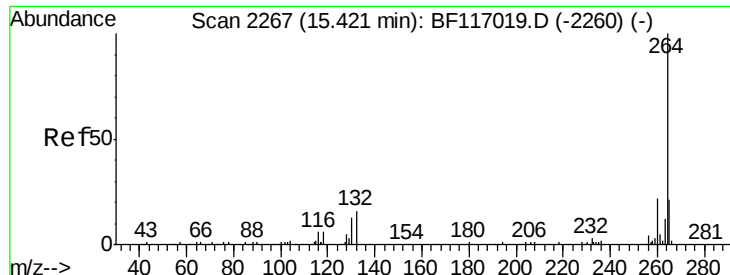


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2267
 Delta R.T. 0.00 min
 Lab File: BF117029.D
 Acq: 13 Sep 2019 18:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.6	26.4
265	21.1	16.6	24.8

