

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091919\
 Data File : BF117177.D
 Acq On : 19 Sep 2019 16:29
 Operator : HP/JU
 Sample : K4957-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 20 01:34:09 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

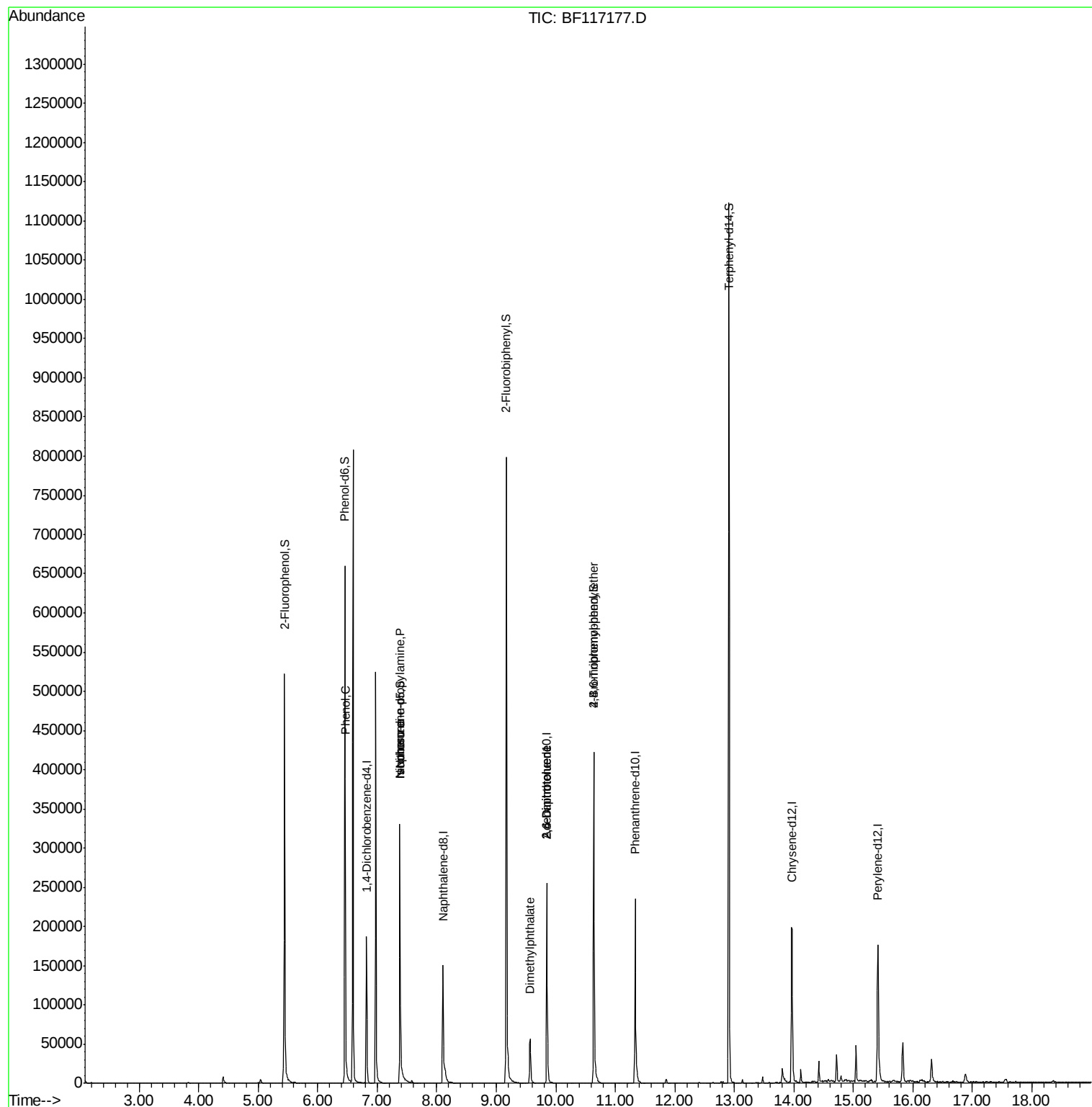
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	27535	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	114281	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	65239	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	113651	20.00	ng	0.00
76) Chrysene-d12	13.97	240	94488	20.00	ng	0.00
87) Perylene-d12	15.41	264	85100	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	162515	92.15	ng	0.00
7) Phenol-d6	6.46	99	232683	102.09	ng	0.00
23) Nitrobenzene-d5	7.38	82	147675	67.90	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	61087	112.04	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	296803	71.13	ng	0.00
79) Terphenyl-d14	12.91	244	360291	71.28	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	5016	Below Cal	Qvalue	# 73
10) Phenol	6.47	94	9062	3.606 ng		90
19) n-Nitroso-di-n-propylamine	7.38	70	19578	14.106 ng	#	81
25) Isophorone	7.38	82	147674	38.346 ng	#	66
50) Dimethylphthalate	9.57	163	37120	8.036 ng	#	96
51) 2,6-Dinitrotoluene	9.85	165	8538	9.075 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	8538	6.991 ng	#	18
67) 4-Bromophenyl-phenylether	10.64	248	3527	3.039 ng	#	1

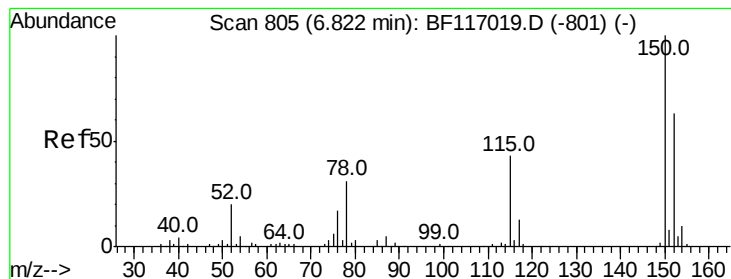
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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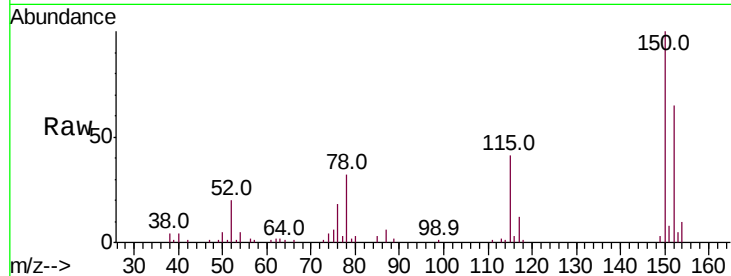


#1

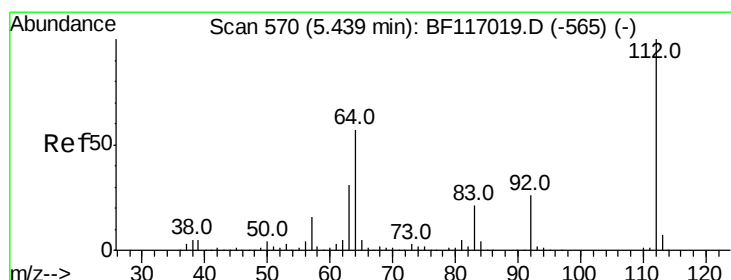
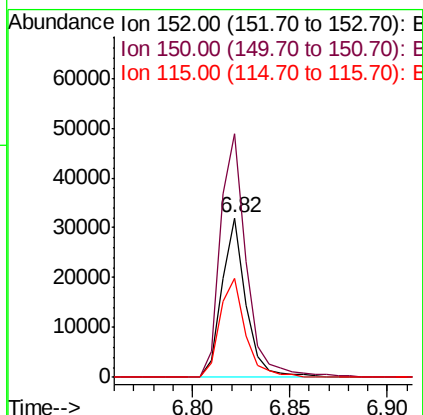
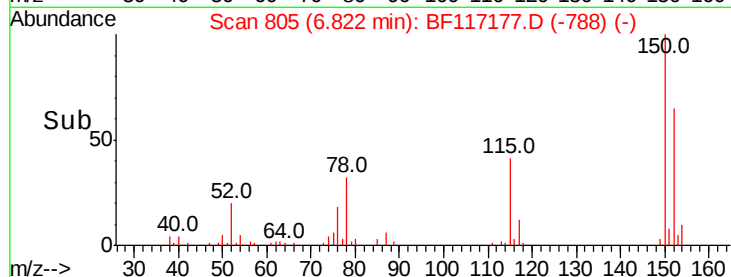
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117177.D
Acq: 19 Sep 2019 16:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 27535
Ion Ratio Lower Upper
152 100
150 152.9 127.5 191.3
115 62.1 55.0 82.4



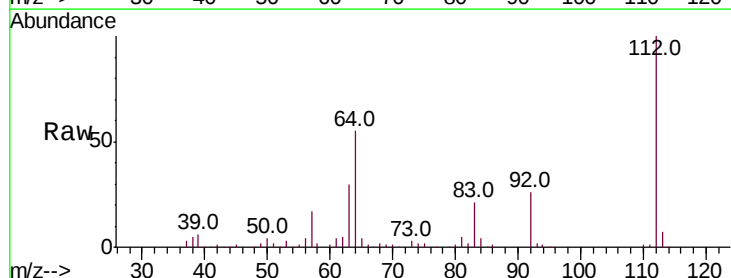
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



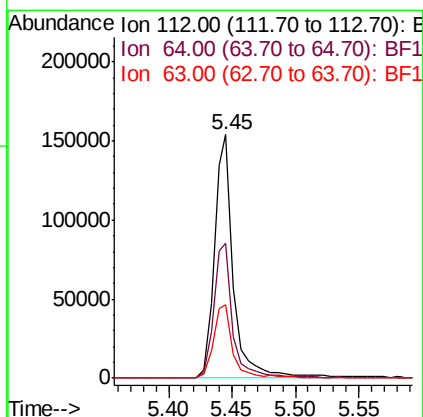
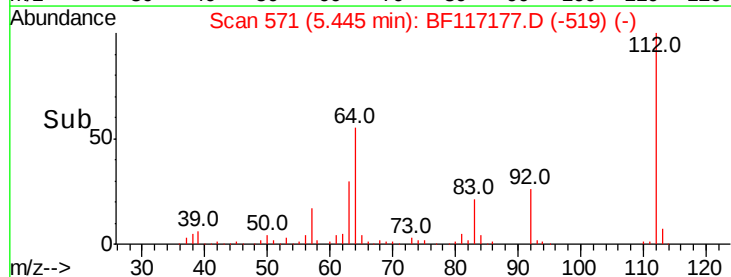
#5

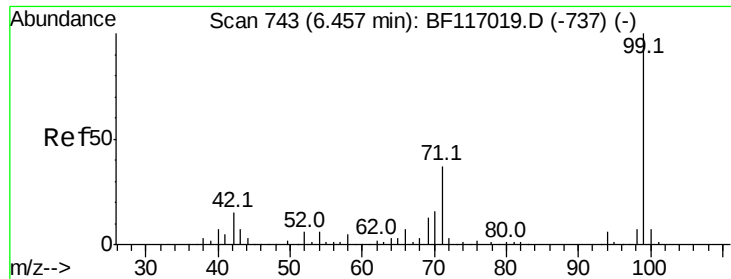
2-Fluorophenol
Concen: 92.147 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117177.D
Acq: 19 Sep 2019 16:29

Tgt Ion:112 Resp: 162515
Ion Ratio Lower Upper
112 100
64 55.1 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: 102.086 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117177.D

Acq: 19 Sep 2019 16:29

Instrument :

BNA_F

ClientSampleId :

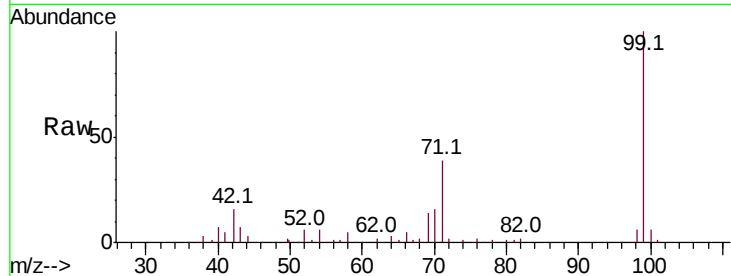
Tot Ion: 99 Resp: 232683

Ion Ratio Lower Upper

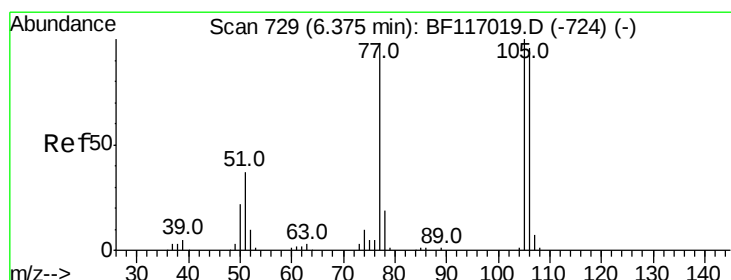
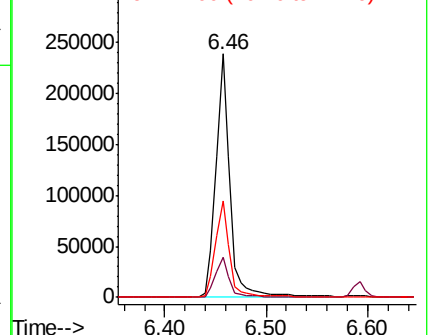
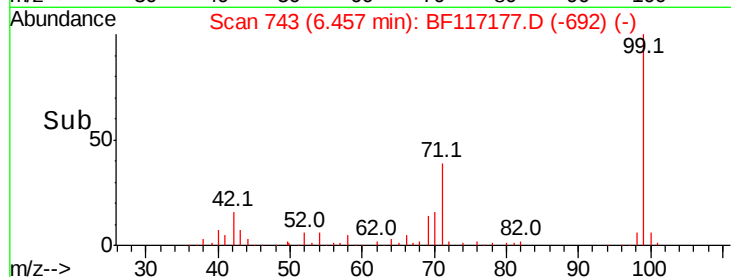
99 100

42 16.4 12.2 18.2

71 39.4 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: 6.59 min Scan# 766

Delta R.T. 0.22 min

Lab File: BF117177.D

Acq: 19 Sep 2019 16:29

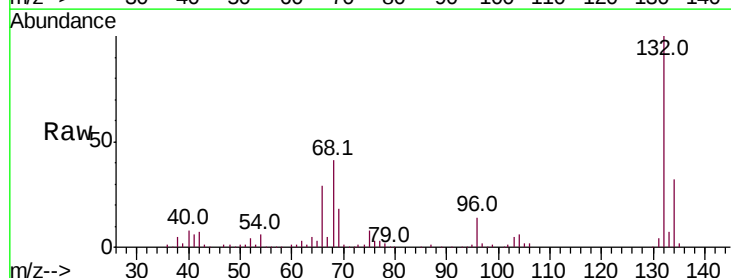
Tgt Ion: 77 Resp: 5016

Ion Ratio Lower Upper

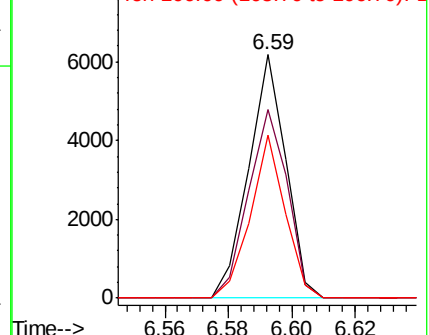
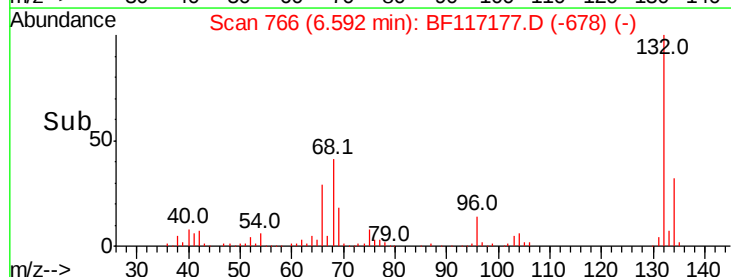
77 100

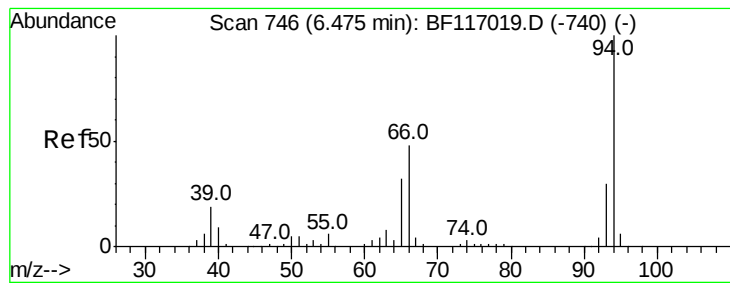
105 77.3 81.8 121.8#

106 66.9 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: 3.606 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF117177.D

Acq: 19 Sep 2019 16:29

Instrument :

BNA_F

ClientSampleId :

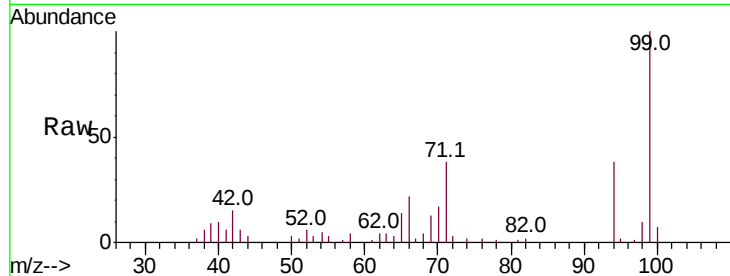
Tot Ion: 94 Resp: 9062

Ion Ratio Lower Upper

94 100

65 35.6 12.5 52.5

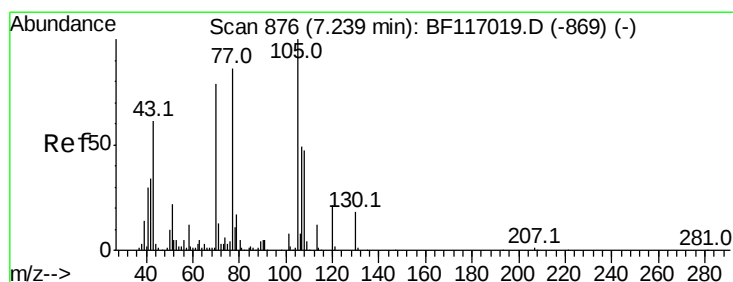
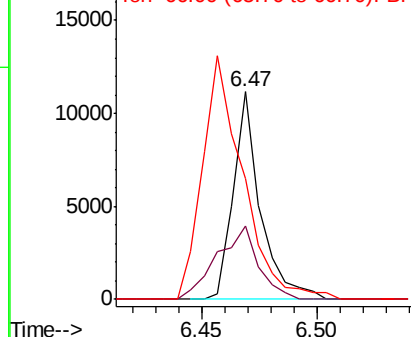
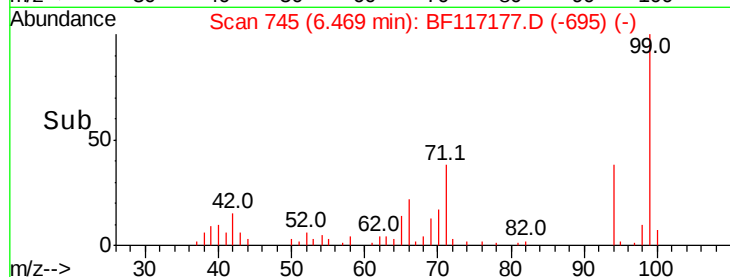
66 58.1 28.9 68.9



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: 14.106 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF117177.D

Acq: 19 Sep 2019 16:29

Tgt Ion: 70 Resp: 19578

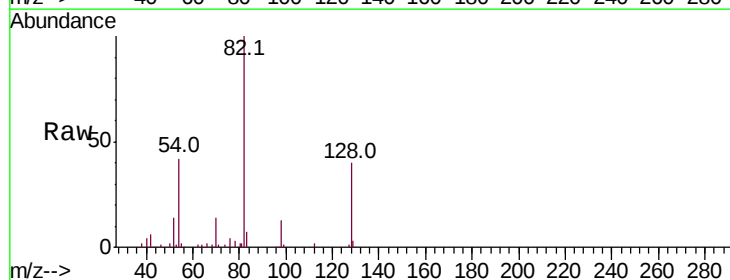
Ion Ratio Lower Upper

70 100

42 45.3 34.0 51.0

101 0.0 7.8 11.6#

130 2.2 17.8 26.8#

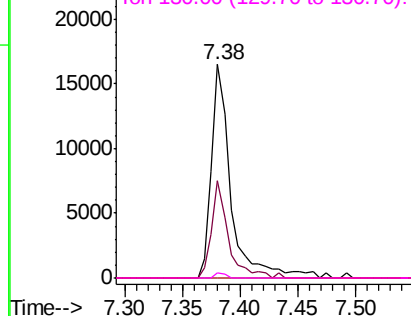
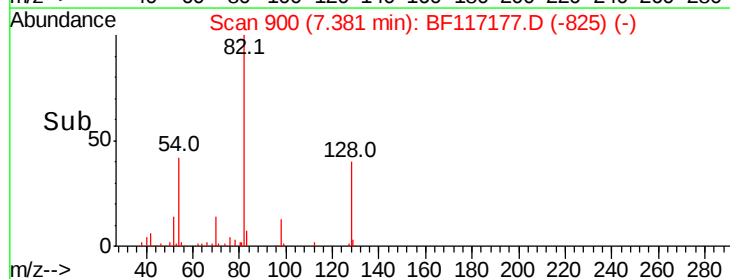


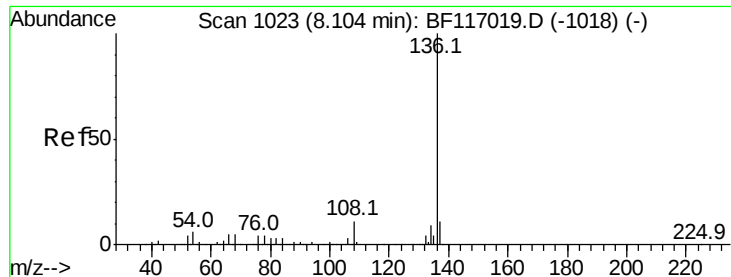
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

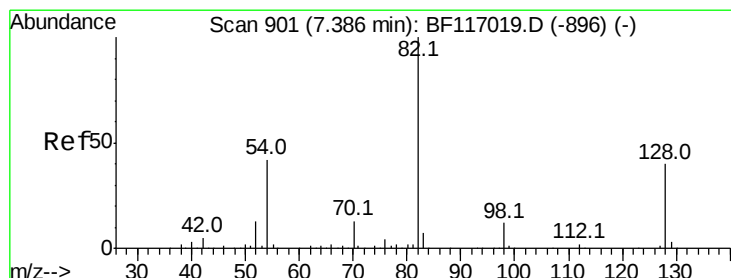
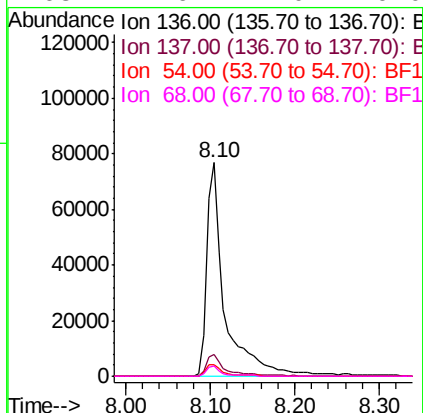
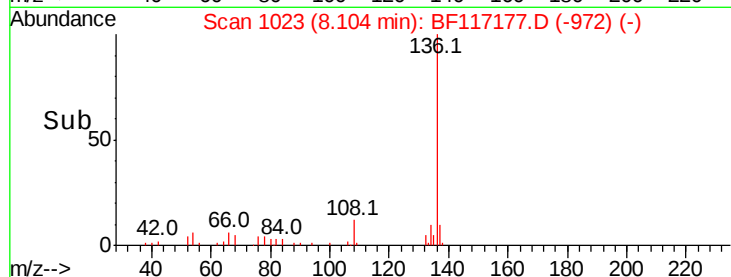
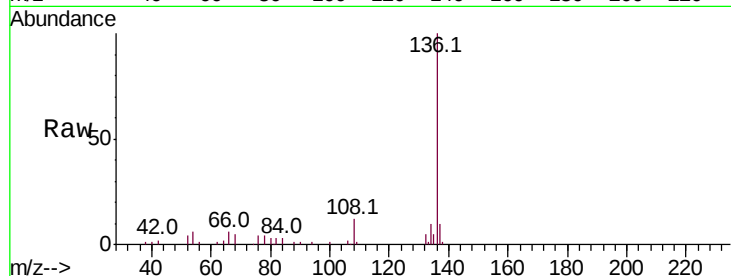




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF117177.D
Acq: 19 Sep 2019 16:29

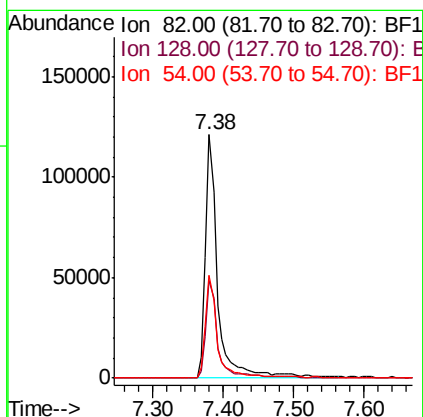
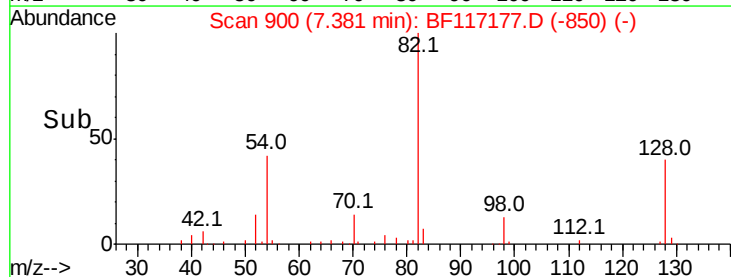
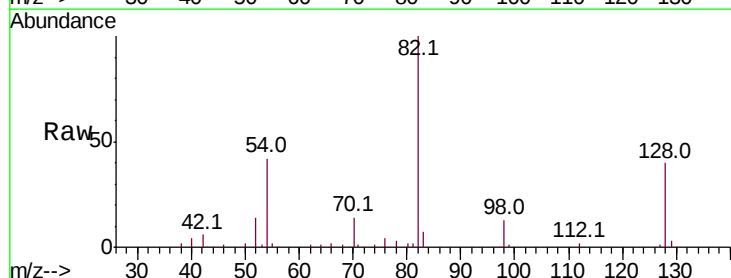
Instrument :
BNA_F
ClientSampleId :

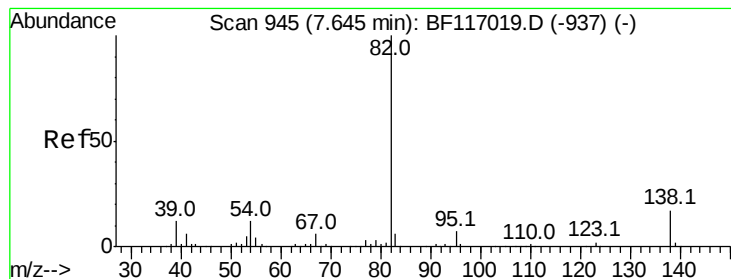
Tot Ion:136	Resp:	114281
Ion Ratio	Lower	Upper
136	100	
137	10.4	9.0 13.4
54	5.7	4.5 6.7
68	4.6	4.0 6.0



#23
Nitrobenzene-d5
Concen: 67.896 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117177.D
Acq: 19 Sep 2019 16:29

Tgt Ion: 82	Resp:	147675
Ion Ratio	Lower	Upper
82	100	
128	40.0	32.3 48.5
54	42.0	33.3 49.9





#25

Isophorone

Concen: 38.346 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF117177.D

Acq: 19 Sep 2019 16:29

Instrument :

BNA_F

ClientSampleId :

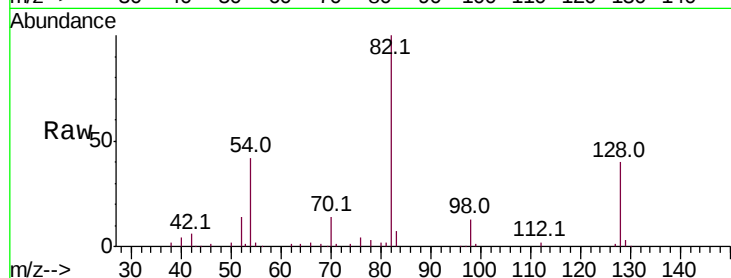
Tot Ion: 82 Resp: 147674

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

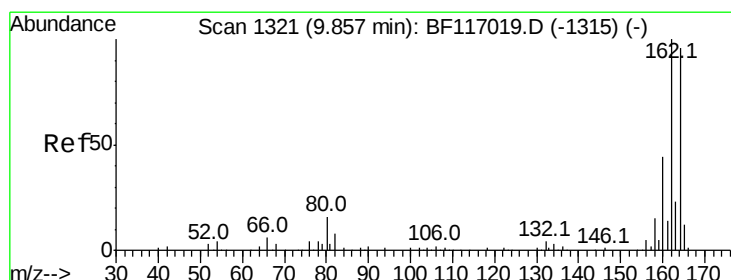
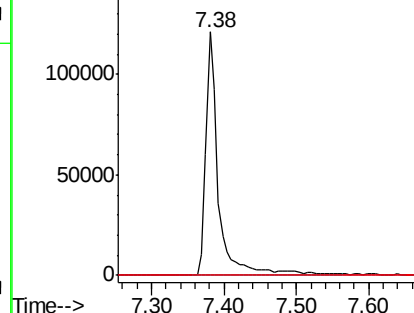
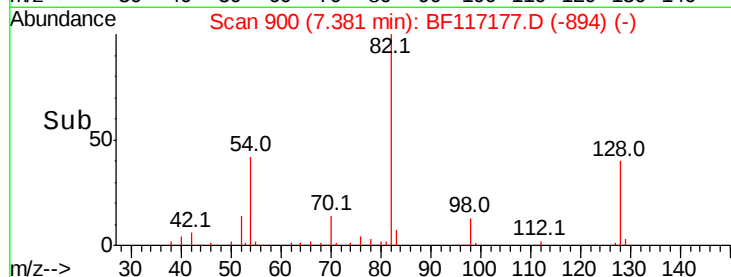
138 0.0 13.5 20.3#



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: BF117177.D

Acq: 19 Sep 2019 16:29

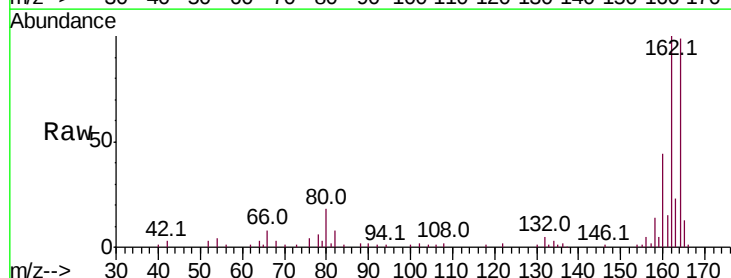
Tgt Ion: 164 Resp: 65239

Ion Ratio Lower Upper

164 100

162 101.5 83.4 125.2

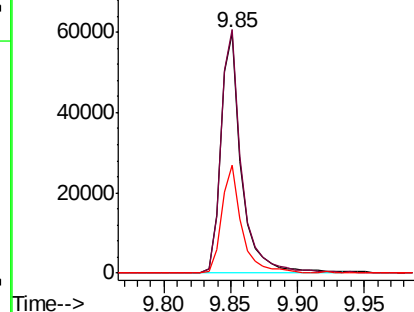
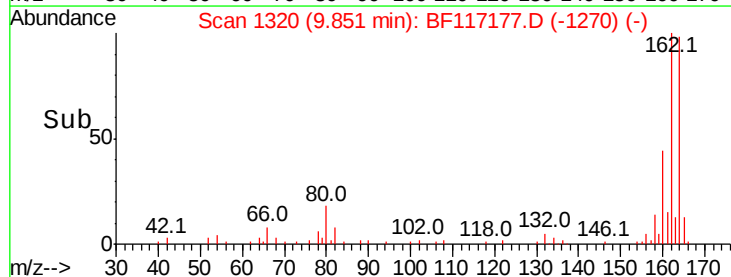
160 44.9 36.4 54.6

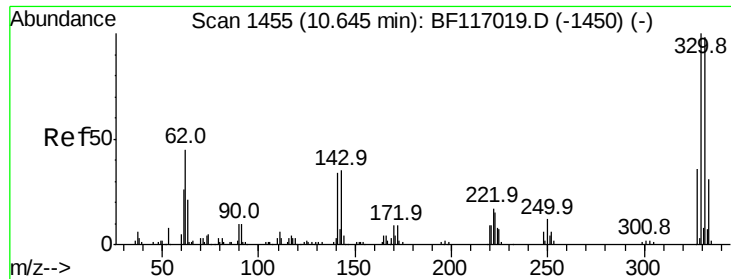


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

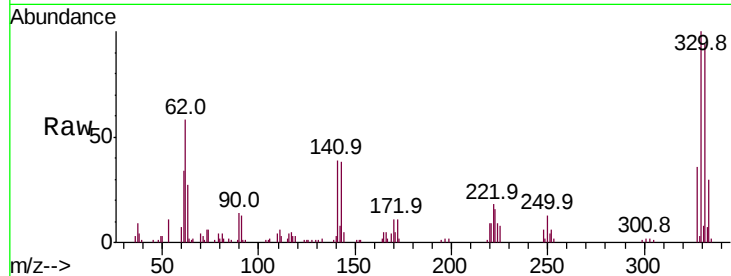




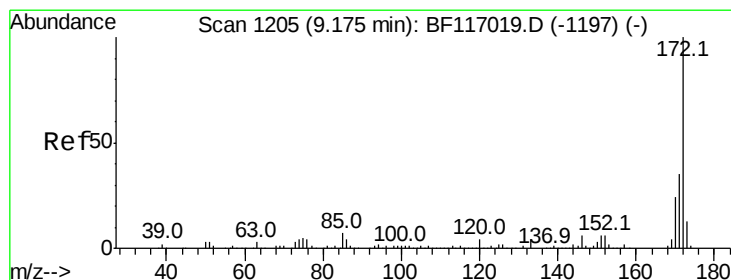
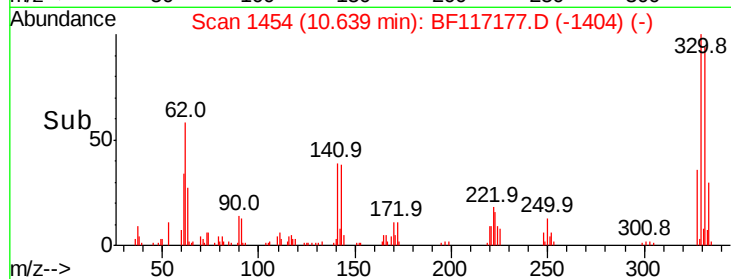
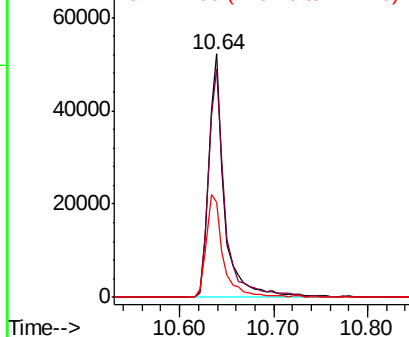
#42
 2,4,6-Tribromophenol
 Concen: 112.035 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117177.D
 Acq: 19 Sep 2019 16:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	45.2	35.8	53.6

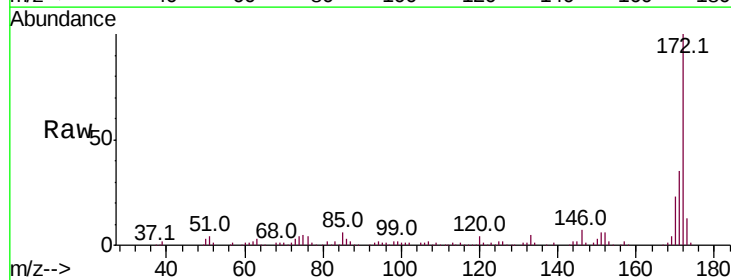


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

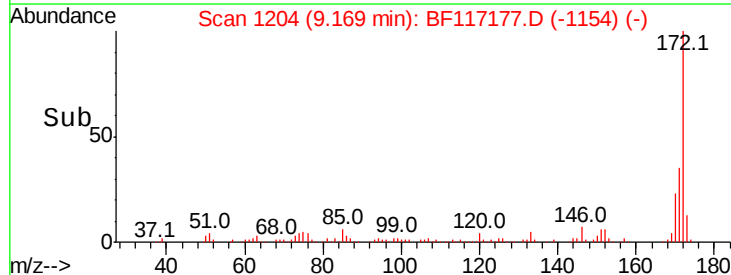
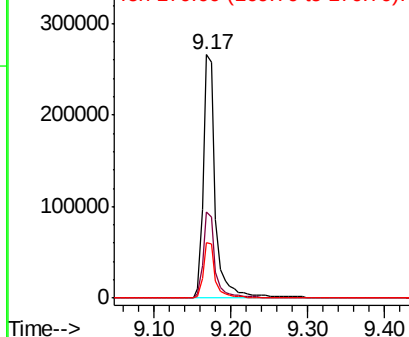


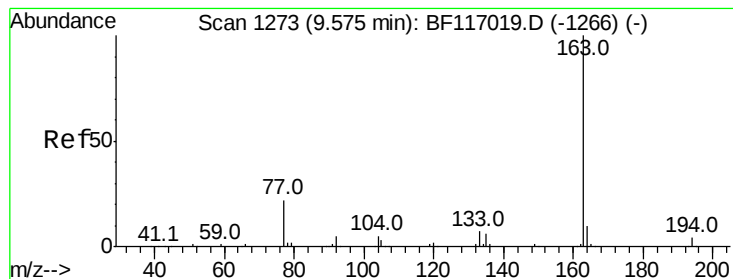
#45
 2-Fluorobiphenyl
 Concen: 71.134 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF117177.D
 Acq: 19 Sep 2019 16:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	22.8	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: 8.036 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF117177.D

Acq: 19 Sep 2019 16:29

Instrument :

BNA_F

ClientSampleId :

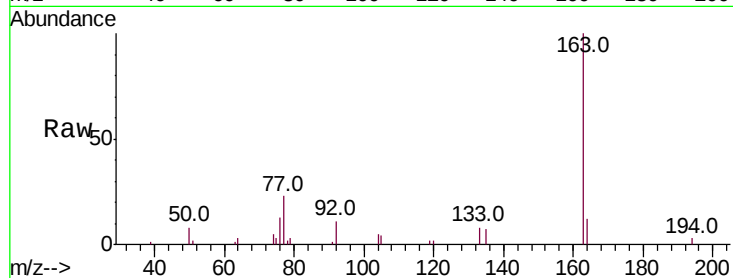
Tot Ion:163 Resp: 37120

Ion Ratio Lower Upper

163 100

194 2.9 2.9 4.3#

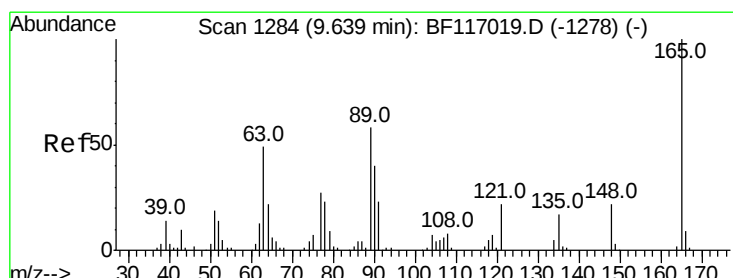
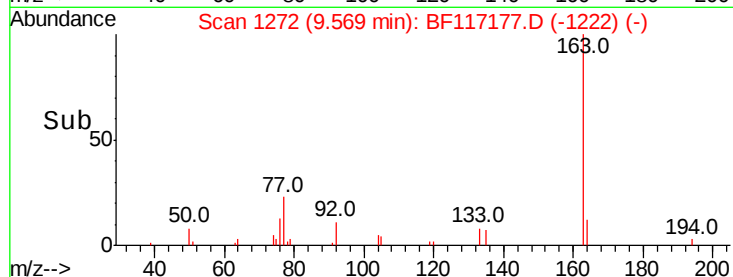
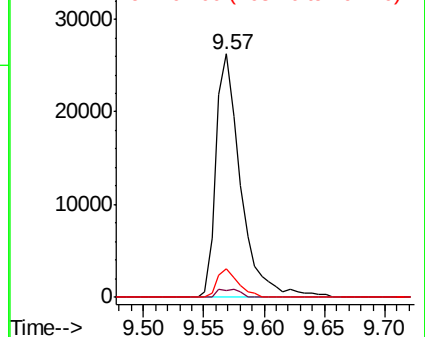
164 11.9 8.2 12.4



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: 9.075 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF117177.D

Acq: 19 Sep 2019 16:29

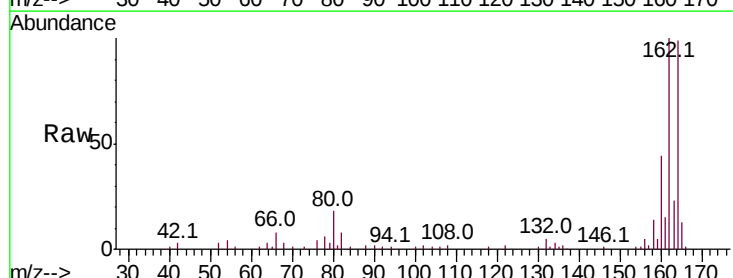
Tgt Ion:165 Resp: 8538

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

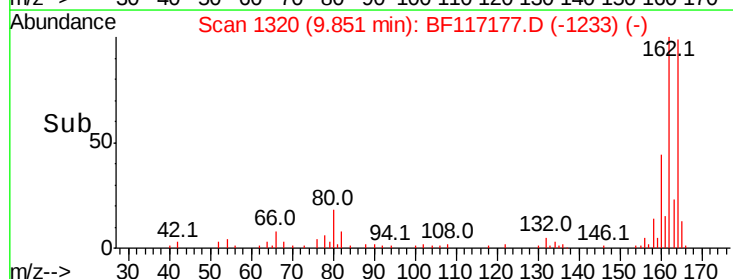
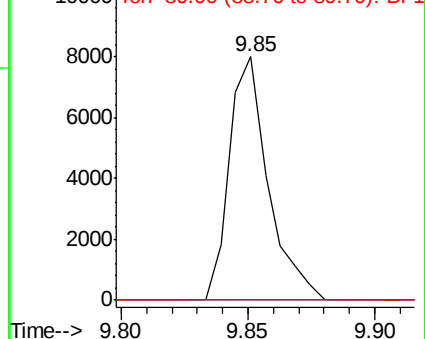
89 0.0 46.5 69.7#

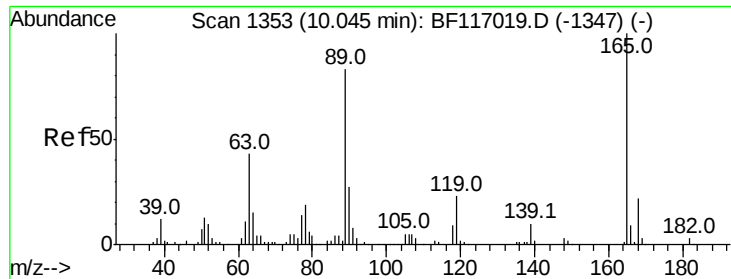


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

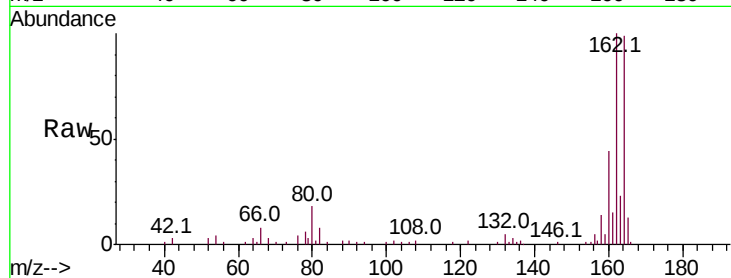




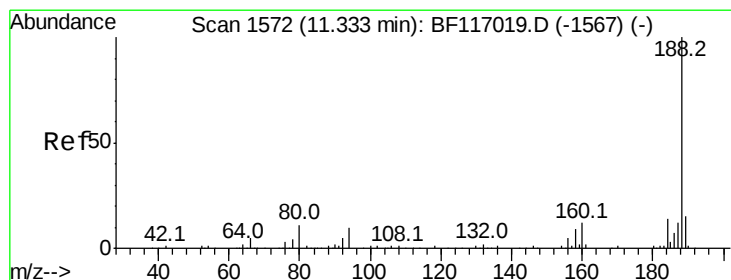
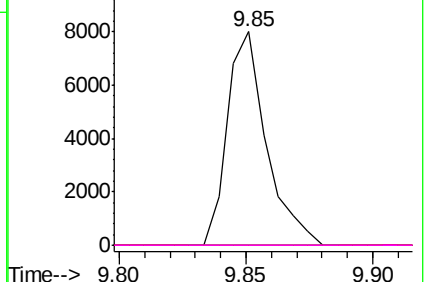
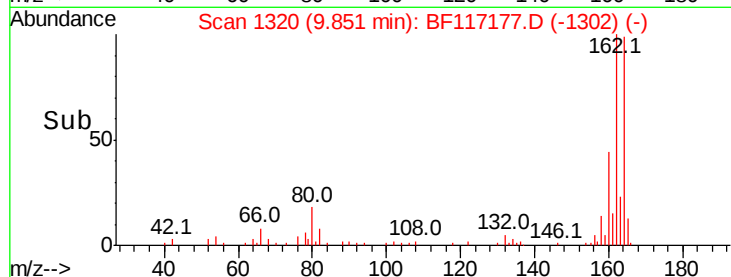
#57
 2,4-Dinitrotoluene
 Concen: 6.991 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117177.D
 Acq: 19 Sep 2019 16:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 8538
 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#

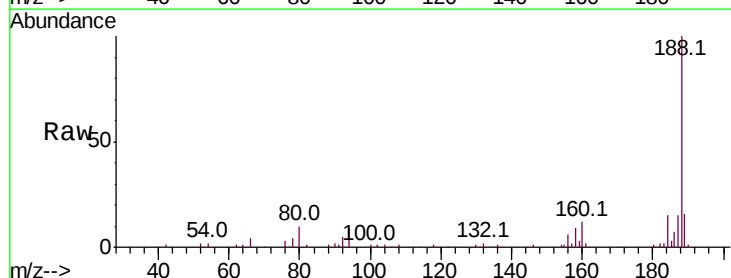


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

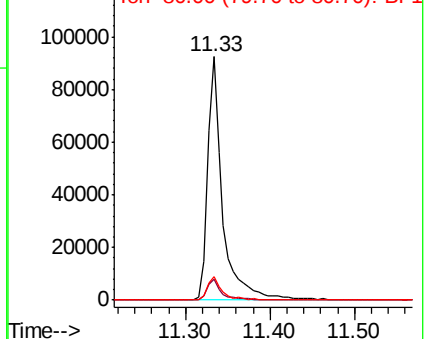
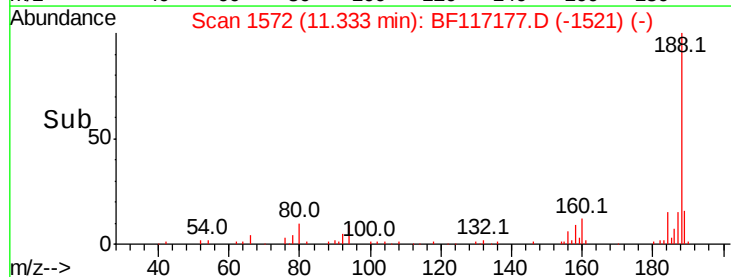


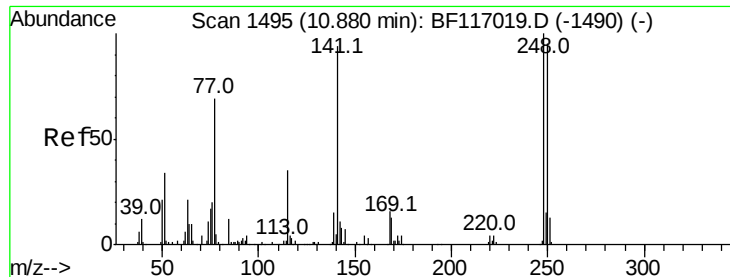
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF117177.D
 Acq: 19 Sep 2019 16:29

Tgt Ion:188 Resp: 113651
 Ion Ratio Lower Upper
 188 100
 94 8.8 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





#67

4-Bromophenyl-phenylether

Concen: 3.039 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF117177.D

Acq: 19 Sep 2019 16:29

Instrument :

BNA_F

ClientSampleId :

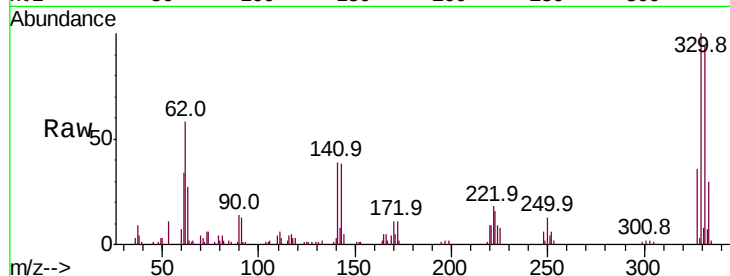
Tot Ion:248 Resp: 3527

Ion Ratio Lower Upper

248 100

250 224.3 76.2 114.4#

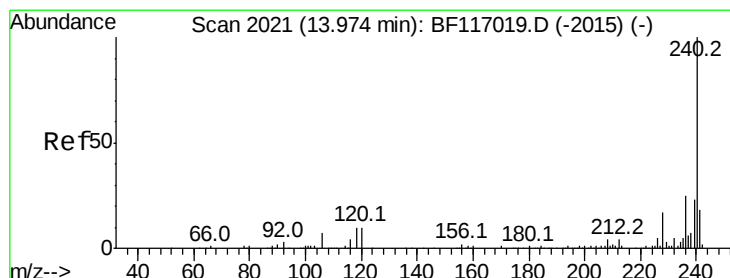
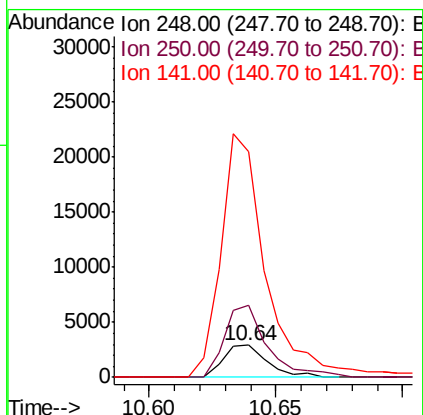
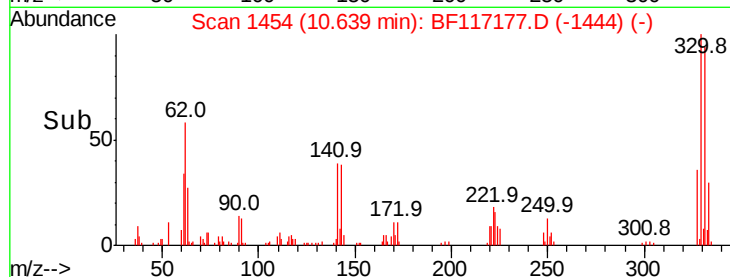
141 701.5 75.0 112.4#



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: BF117177.D

Acq: 19 Sep 2019 16:29

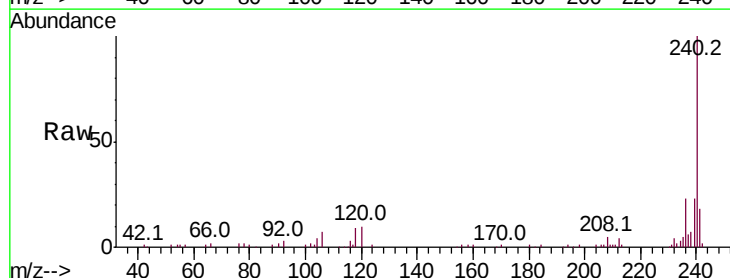
Tgt Ion:240 Resp: 94488

Ion Ratio Lower Upper

240 100

120 9.6 8.3 12.5

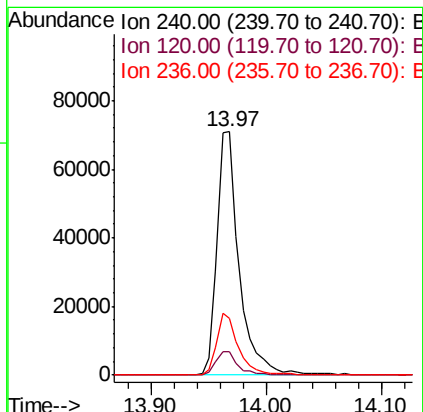
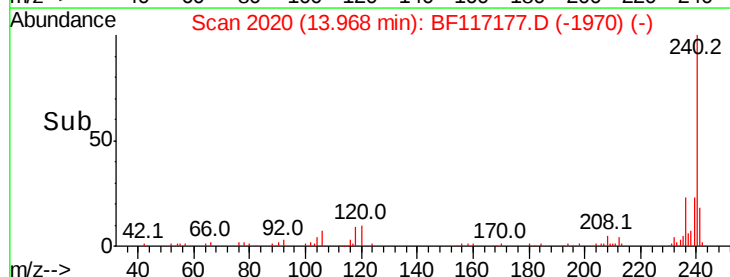
236 23.3 20.3 30.5

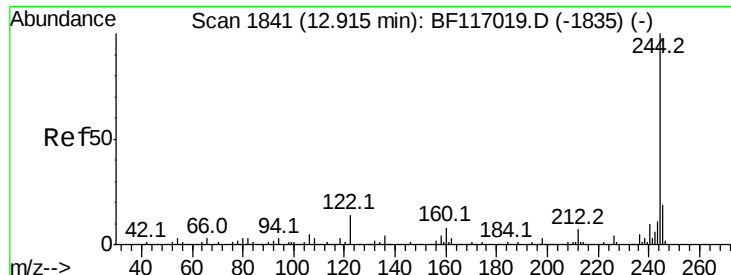


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 71.275 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117177.D

Acq: 19 Sep 2019 16:29

Instrument :

BNA_F

ClientSampled :

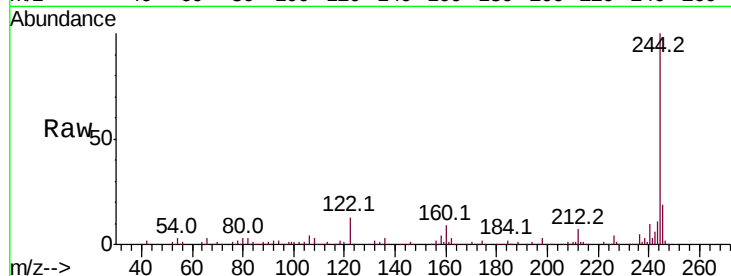
Tot Ion:244 Resp: 360291

Ion Ratio Lower Upper

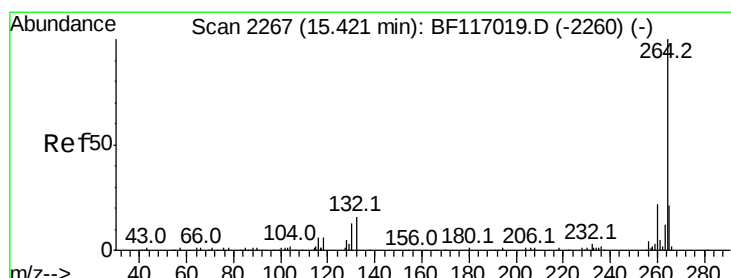
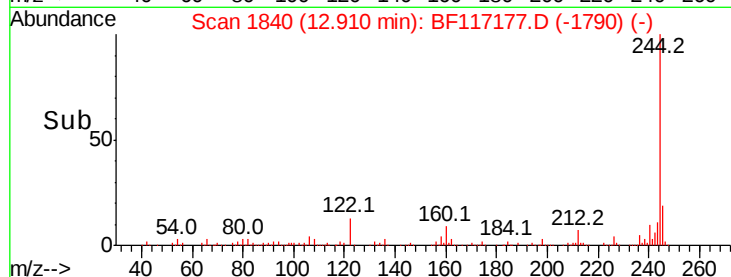
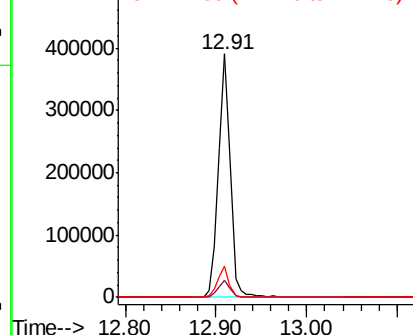
244 100

212 7.0 5.8 8.8

122 12.7 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

Perylene-d12

Concen: 20.000 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF117177.D

Acq: 19 Sep 2019 16:29

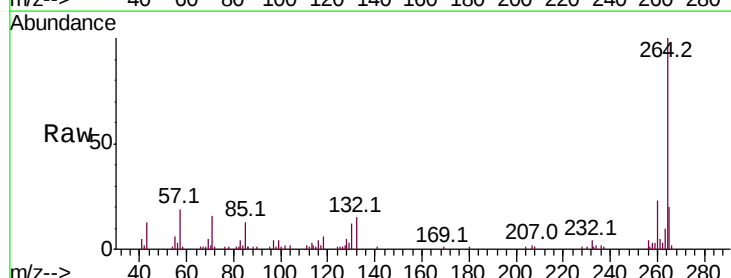
Tgt Ion:264 Resp: 85100

Ion Ratio Lower Upper

264 100

260 22.9 17.6 26.4

265 20.4 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

