

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091919\
 Data File : BF117174.D
 Acq On : 19 Sep 2019 15:09
 Operator : HP/JU
 Sample : K4959-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 20 01:33:40 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

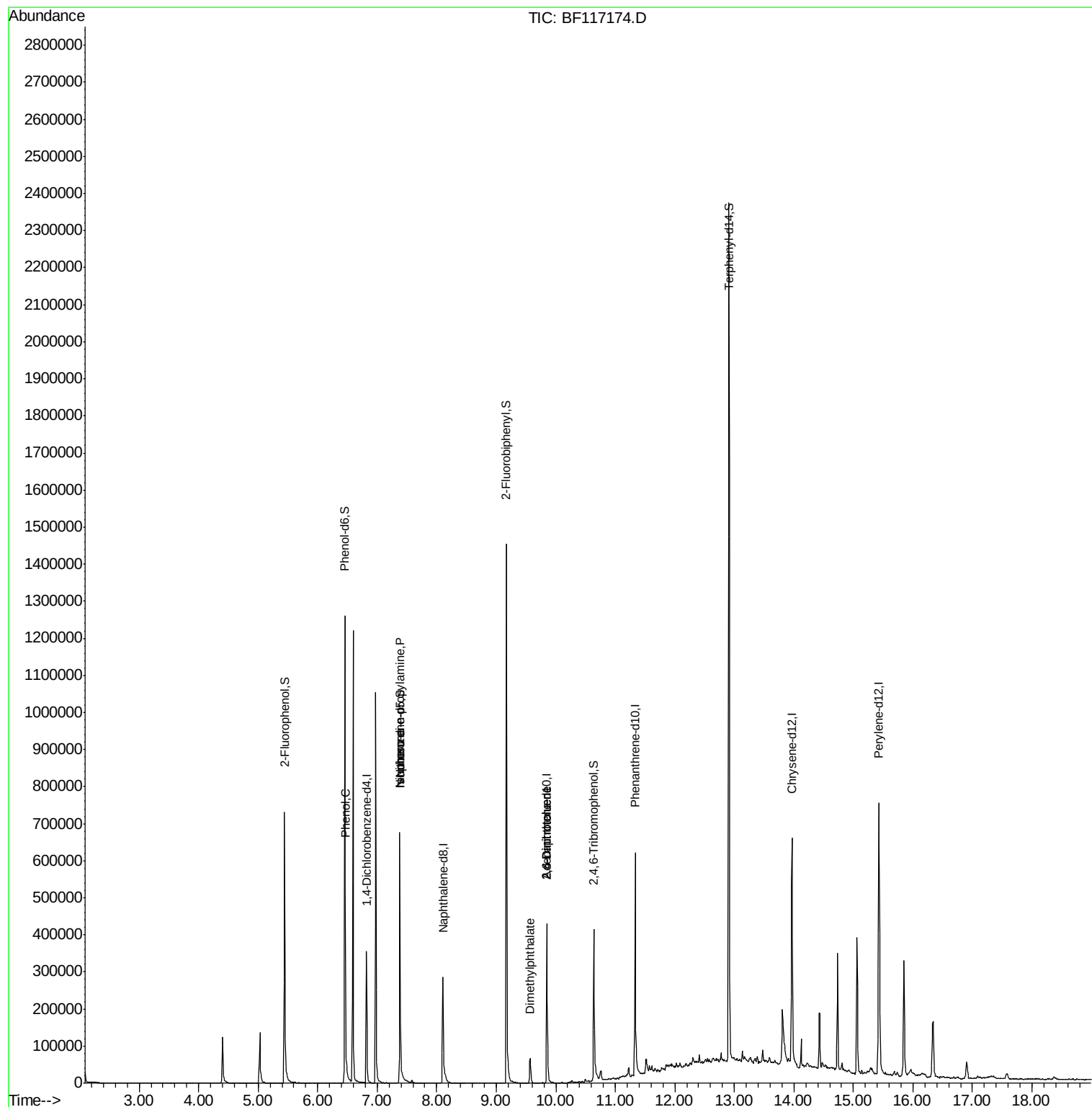
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	56755	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	217037	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	112600	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	262464	20.00	ng	0.00
76) Chrysene-d12	13.97	240	232111	20.00	ng	0.00
87) Perylene-d12	15.43	264	208626	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	259936	71.50	ng	0.00
7) Phenol-d6	6.46	99	473159	100.71	ng	0.00
23) Nitrobenzene-d5	7.38	82	275556	66.71	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	61408	65.25	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	520409	72.26	ng	0.00
79) Terphenyl-d14	12.91	244	772610	62.22	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	653	Below Cal		
10) Phenol	6.47	94	15083	2.912	ng	
19) n-Nitroso-di-n-propylamine	7.38	70	36221	12.661	ng	
25) Isophorone	7.38	82	275555	37.676	ng	
50) Dimethylphthalate	9.57	163	45638	5.724	ng	
51) 2,6-Dinitrotoluene	9.85	165	14592	8.986	ng	
57) 2,4-Dinitrotoluene	9.85	165	14592	6.923	ng	

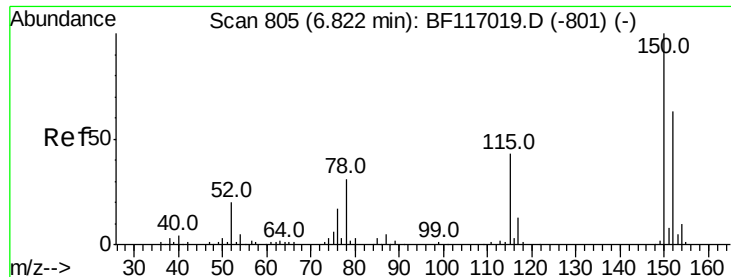
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



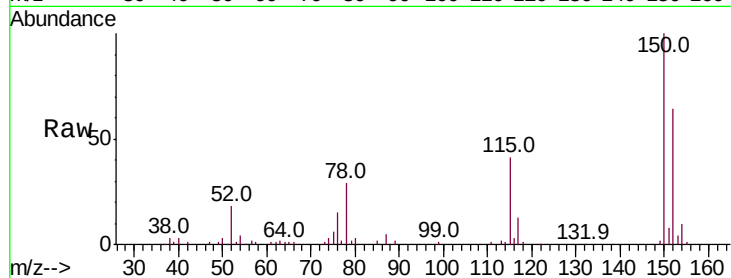


#1

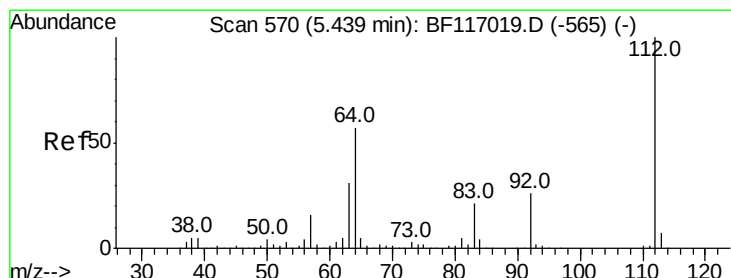
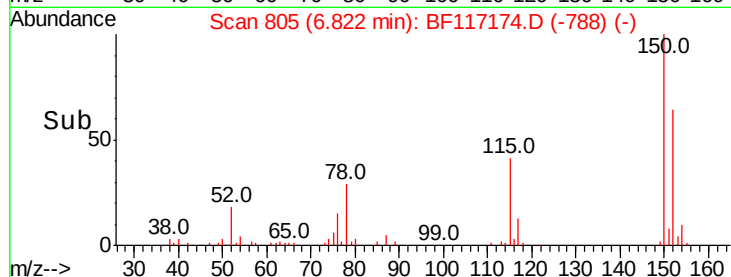
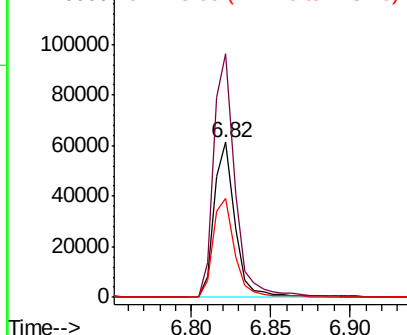
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117174.D
Acq: 19 Sep 2019 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 56755
Ion Ratio Lower Upper
152 100
150 157.2 127.5 191.3
115 64.2 55.0 82.4



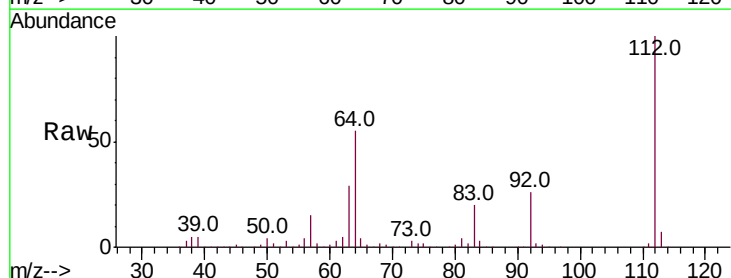
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



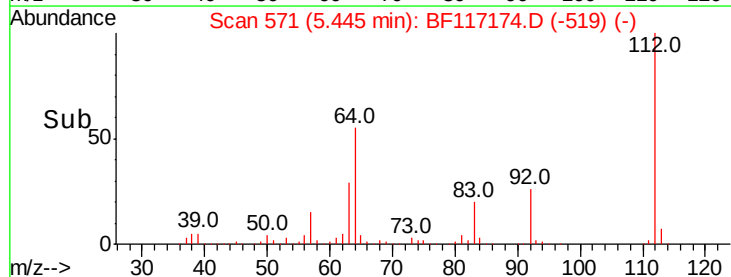
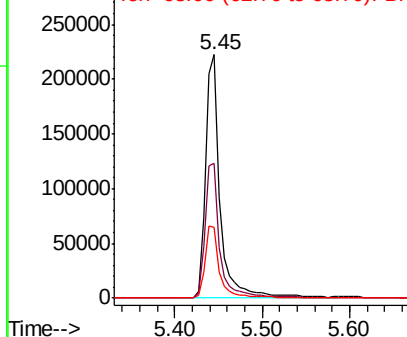
#5

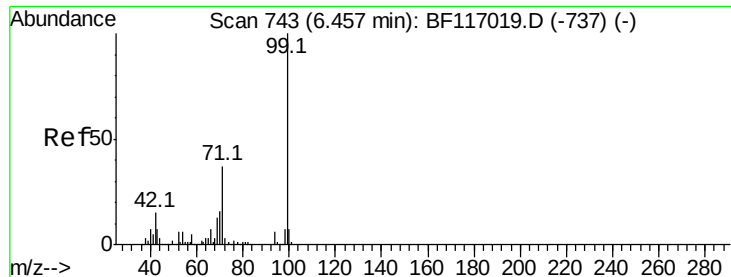
2-Fluorophenol
Concen: 71.505 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117174.D
Acq: 19 Sep 2019 15:09

Tgt Ion:112 Resp: 259936
Ion Ratio Lower Upper
112 100
64 55.5 45.7 68.5
63 29.2 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: 100.714 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117174.D

Acq: 19 Sep 2019 15:09

Instrument :

BNA_F

ClientSampleId :

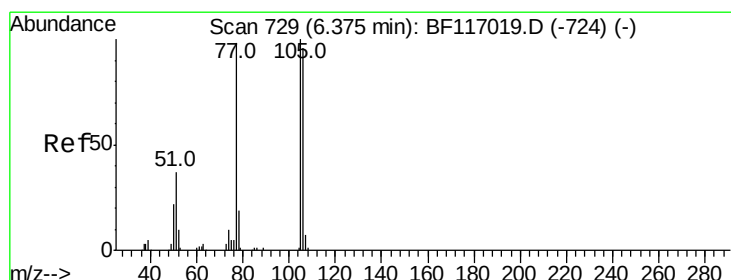
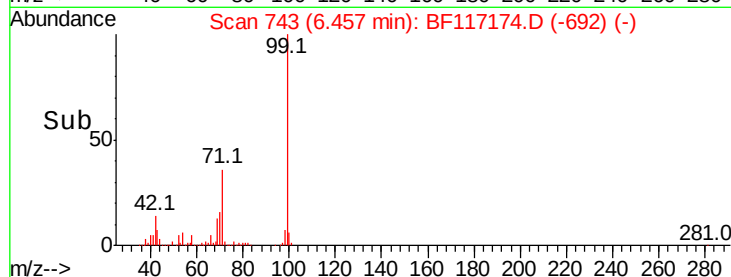
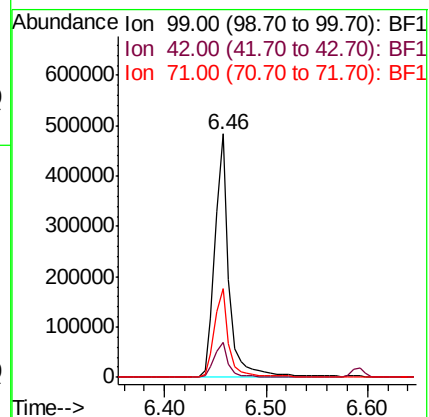
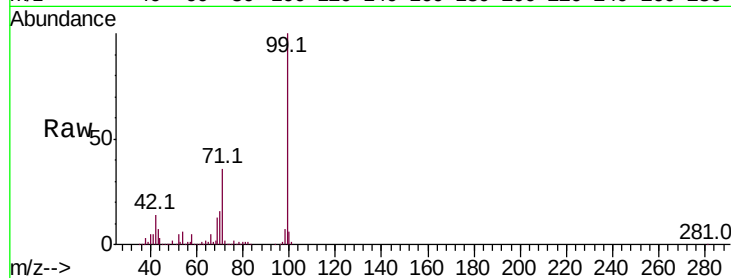
Tot Ion: 99 Resp: 473159

Ion Ratio Lower Upper

99 100

42 14.2 12.2 18.2

71 36.2 29.8 44.8



#9

Benzaldehyde

Concen: Below Cal

RT: 6.46 min Scan# 743

Delta R.T. 0.08 min

Lab File: BF117174.D

Acq: 19 Sep 2019 15:09

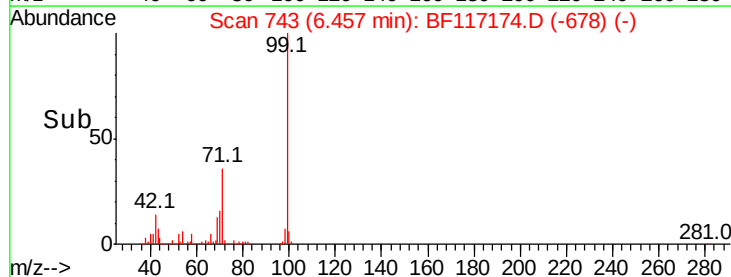
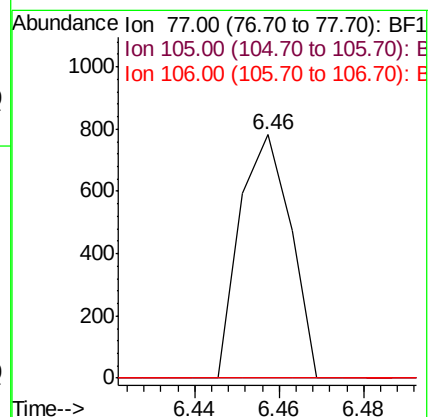
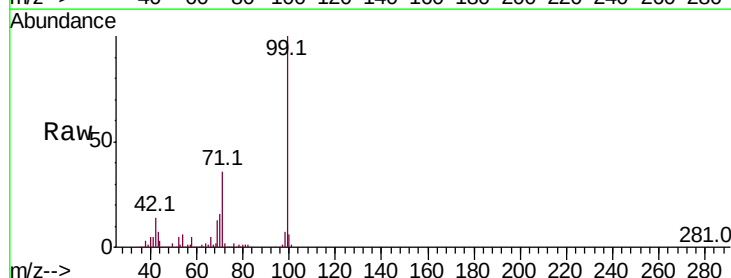
Tgt Ion: 77 Resp: 653

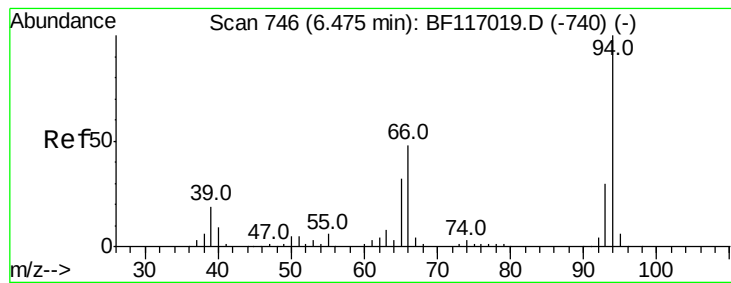
Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

106 0.0 77.3 117.3#





#10

Phenol

Concen: 2.912 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF117174.D

Acq: 19 Sep 2019 15:09

Instrument :

BNA_F

ClientSampleId :

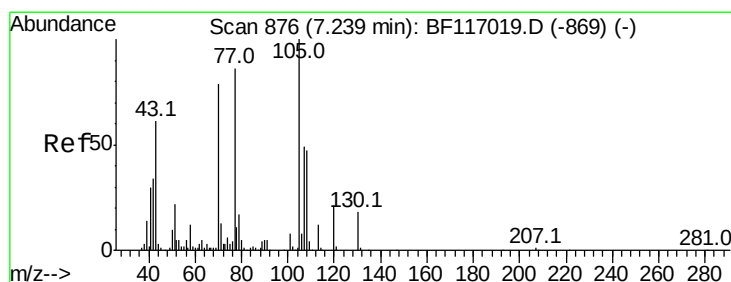
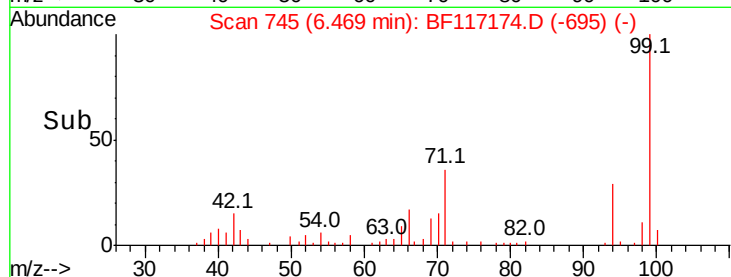
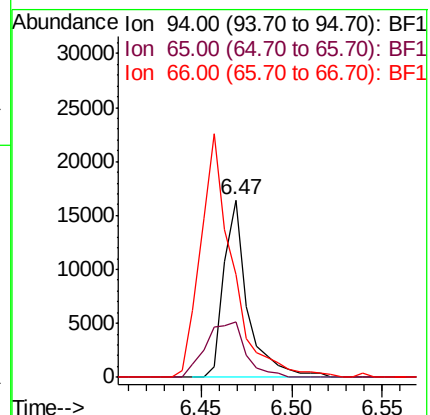
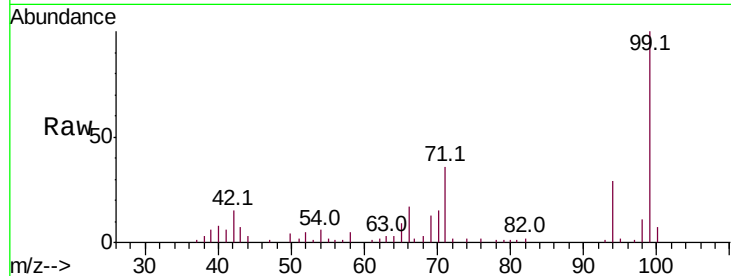
Tot Ion: 94 Resp: 15083

Ion Ratio Lower Upper

94 100

65 31.4 12.5 52.5

66 57.7 28.9 68.9



#19

n-Nitroso-di-n-propylamine

Concen: 12.661 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF117174.D

Acq: 19 Sep 2019 15:09

Tgt Ion: 70 Resp: 36221

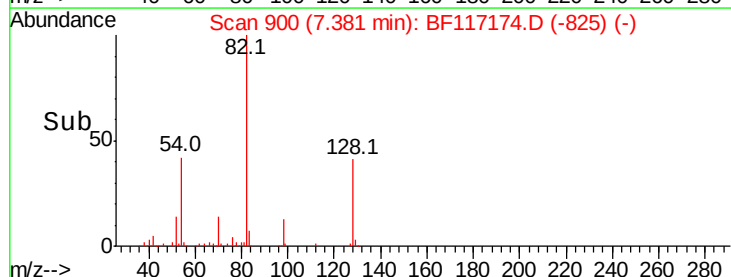
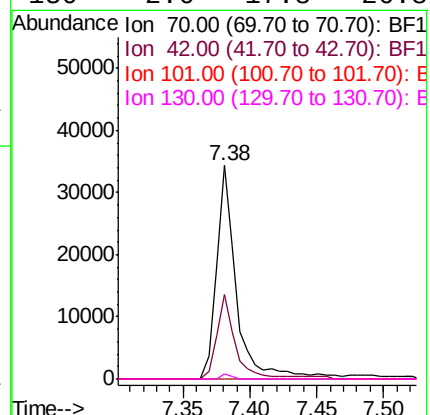
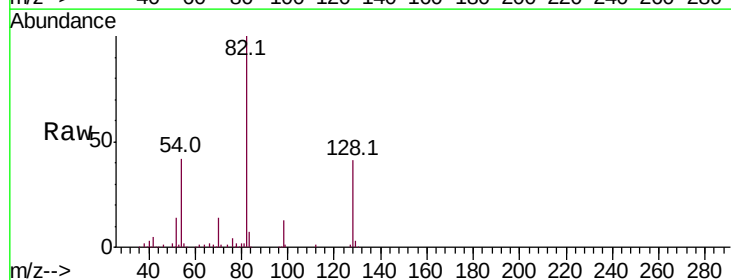
Ion Ratio Lower Upper

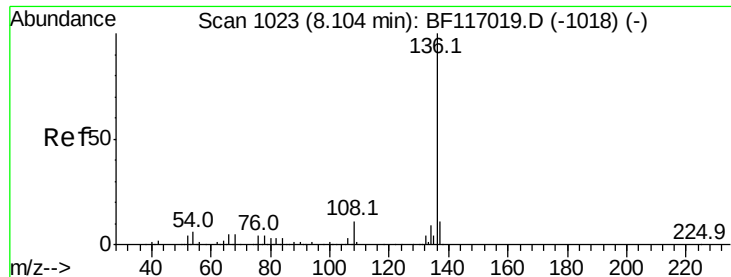
70 100

42 39.8 34.0 51.0

101 0.0 7.8 11.6#

130 2.6 17.8 26.8#

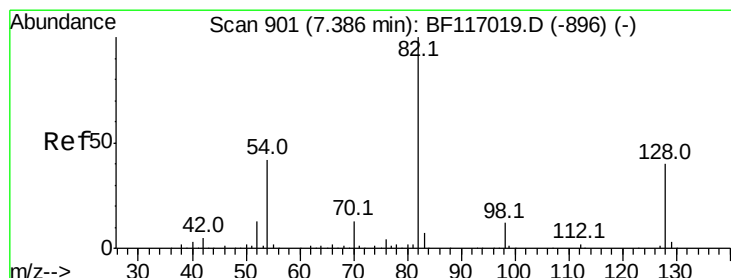
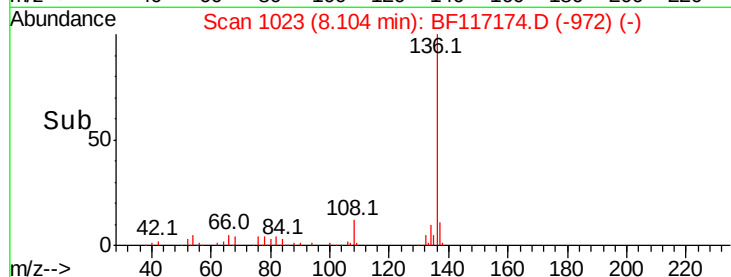
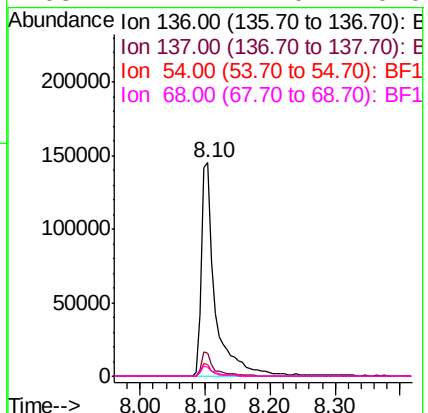
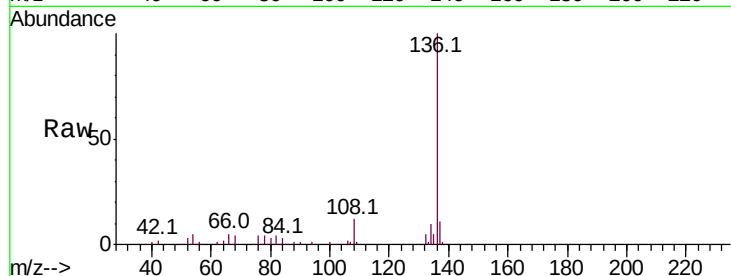




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117174.D
Acq: 19 Sep 2019 15:09

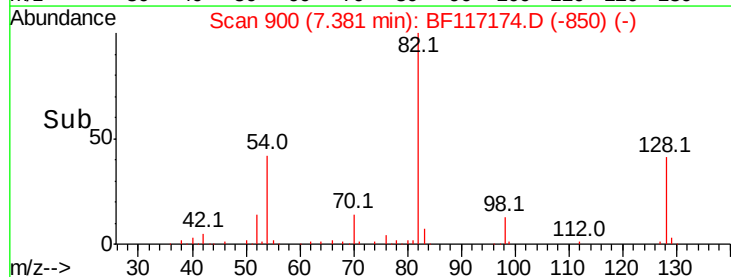
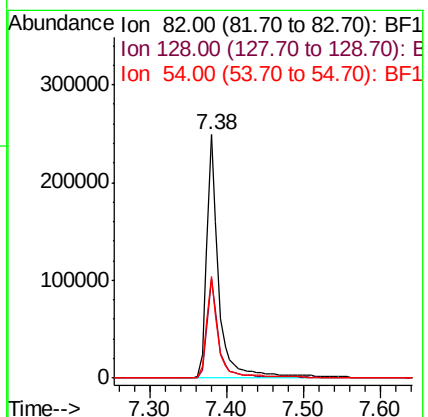
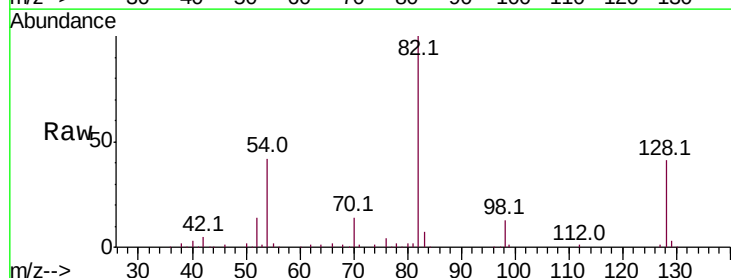
Instrument :
BNA_F
ClientSampleId :

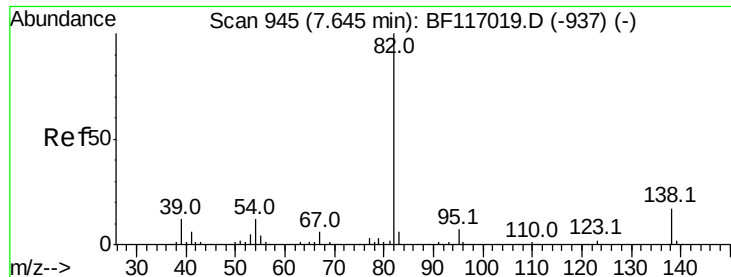
Tot Ion:136	Resp:	217037
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.0 13.4
54	5.2	4.5 6.7
68	4.4	4.0 6.0



#23
Nitrobenzene-d5
Concen: 66.709 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117174.D
Acq: 19 Sep 2019 15:09

Tgt Ion: 82	Resp:	275556
Ion Ratio	Lower	Upper
82	100	
128	40.6	32.3 48.5
54	41.7	33.3 49.9





#25

Isophorone

Concen: 37.676 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF117174.D

Acq: 19 Sep 2019 15:09

Instrument :

BNA_F

ClientSampleId :

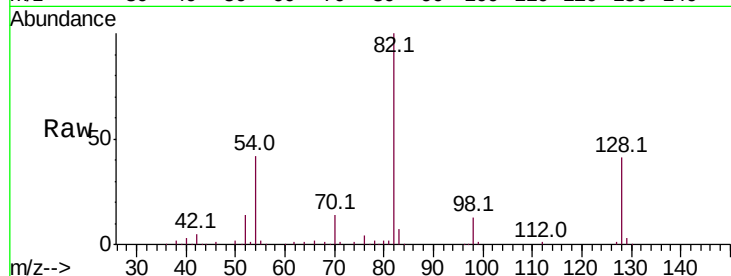
Tot Ion: 82 Resp: 275555

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

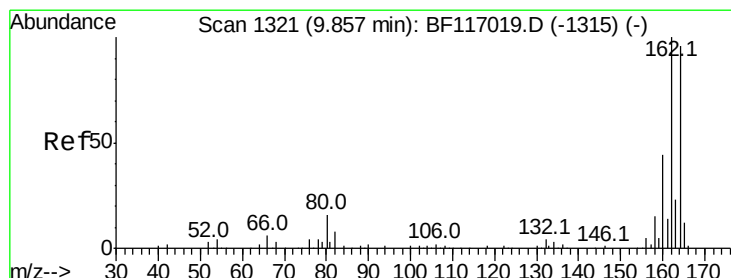
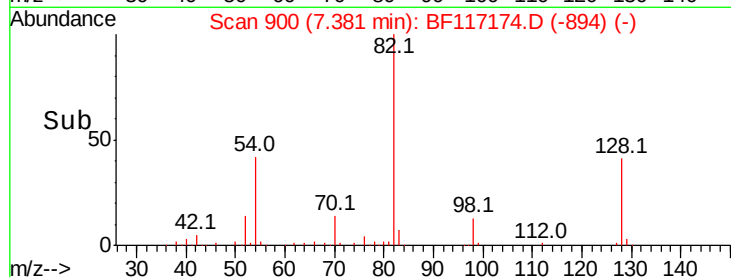
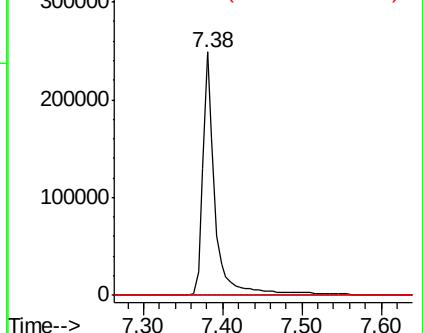
138 0.0 13.5 20.3#



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: BF117174.D

Acq: 19 Sep 2019 15:09

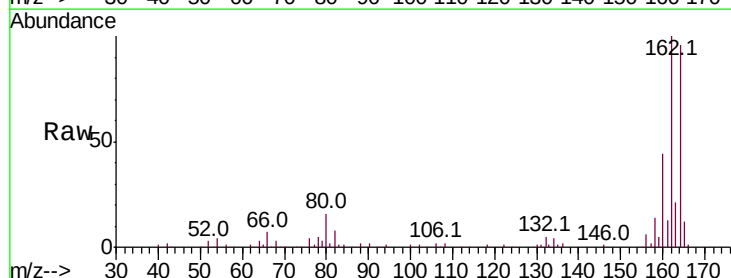
Tgt Ion: 164 Resp: 112600

Ion Ratio Lower Upper

164 100

162 104.6 83.4 125.2

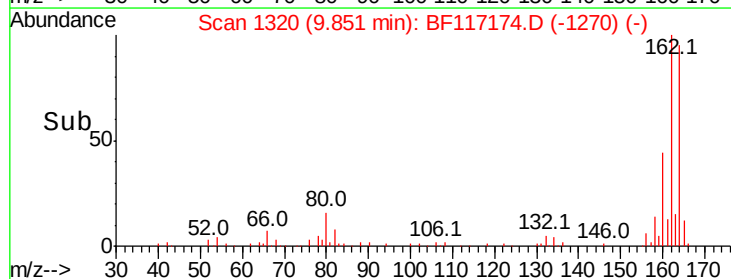
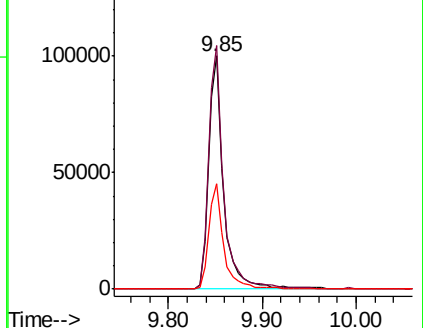
160 45.5 36.4 54.6

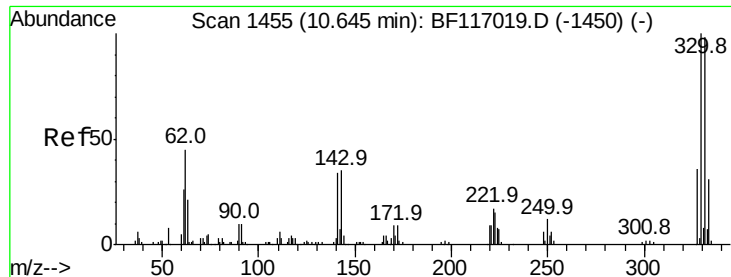


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

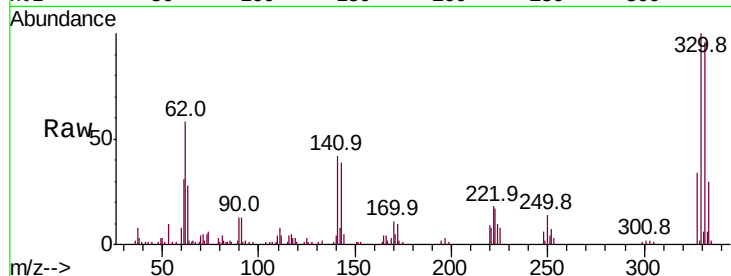




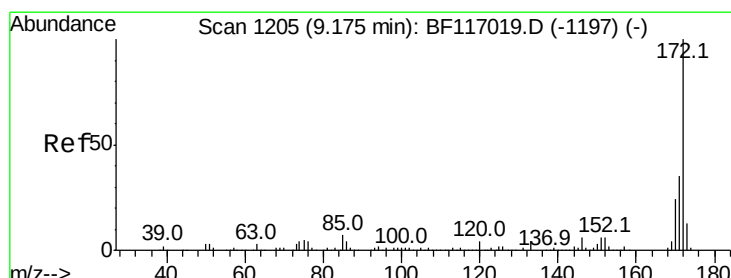
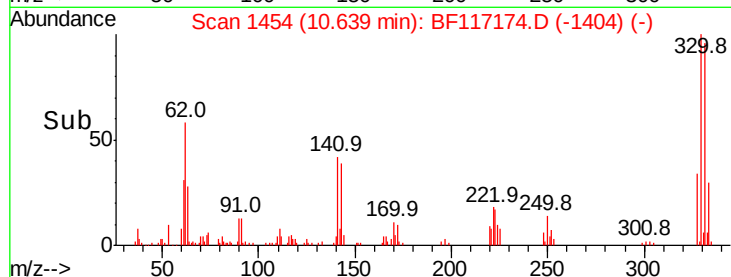
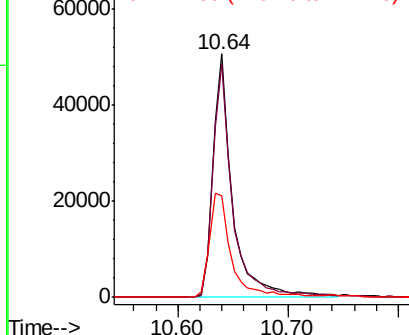
#42
 2,4,6-Tribromophenol
 Concen: 65.253 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117174.D
 Acq: 19 Sep 2019 15:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.0	117.0
141	47.8	35.8	53.6

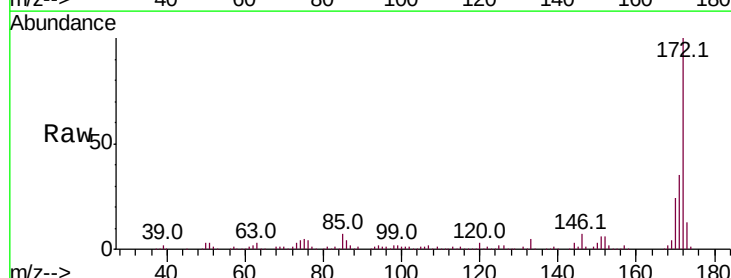


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

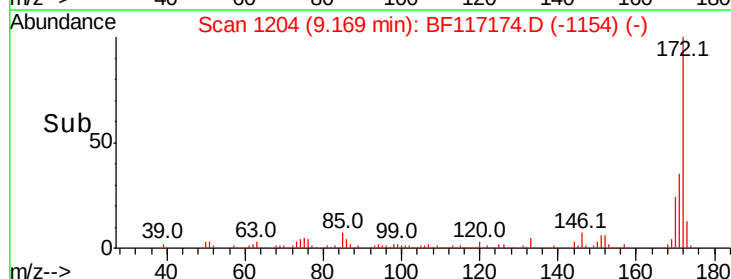
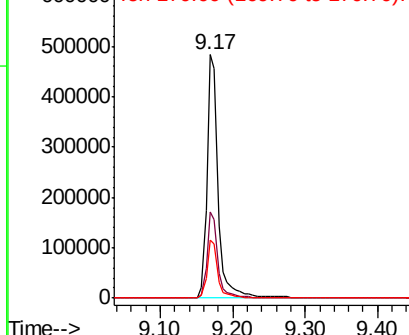


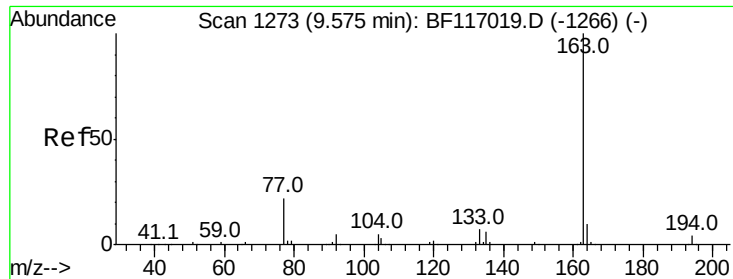
#45
 2-Fluorobiphenyl
 Concen: 72.265 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF117174.D
 Acq: 19 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.2
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: 5.724 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF117174.D

Acq: 19 Sep 2019 15:09

Instrument :

BNA_F

ClientSampleId :

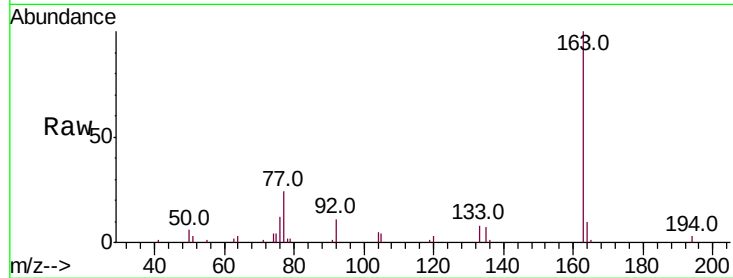
Tot Ion:163 Resp: 45638

Ion Ratio Lower Upper

163 100

194 3.0 2.9 4.3

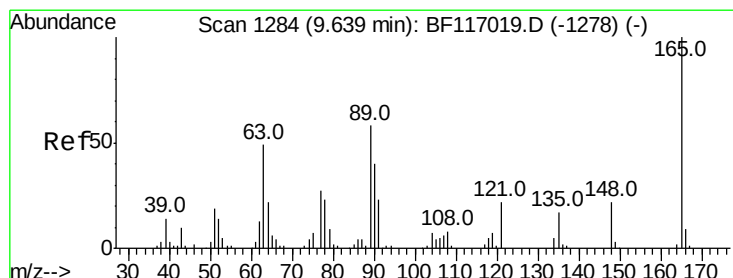
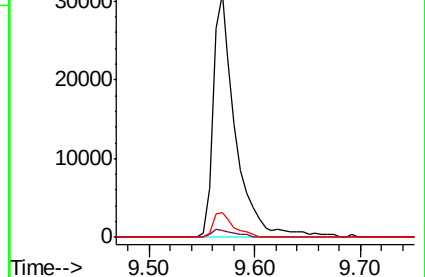
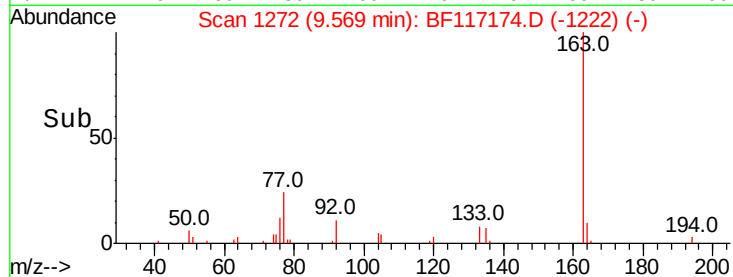
164 10.2 8.2 12.4



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: 8.986 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF117174.D

Acq: 19 Sep 2019 15:09

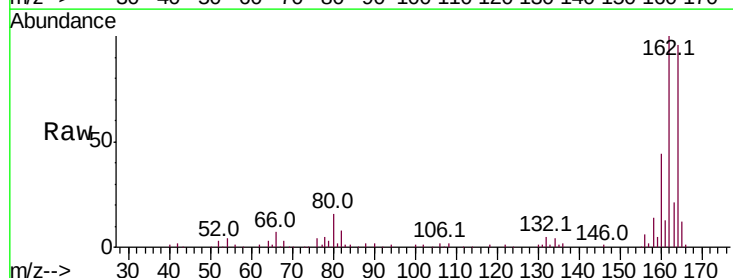
Tgt Ion:165 Resp: 14592

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

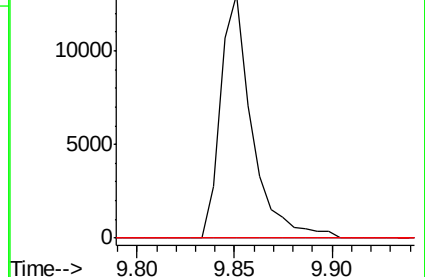
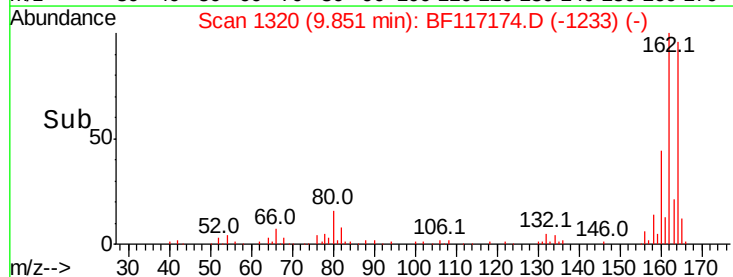
89 0.0 46.5 69.7#

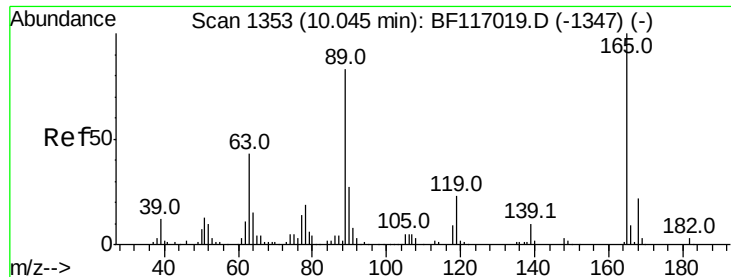


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

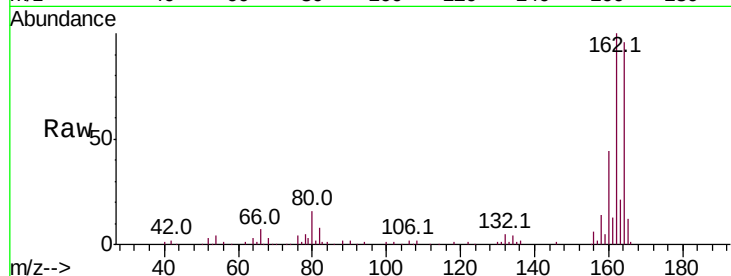




#57
 2,4-Dinitrotoluene
 Concen: 6.923 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117174.D
 Acq: 19 Sep 2019 15:09

Instrument :
 BNA_F
 ClientSampleId :

Tot 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#

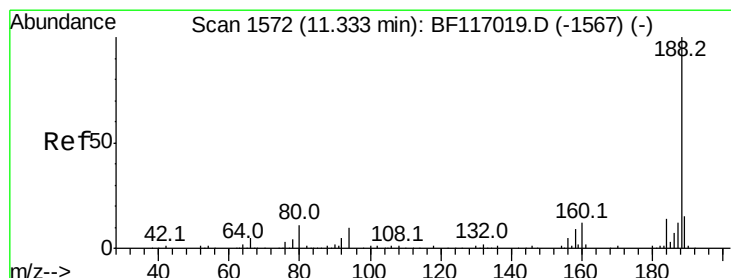
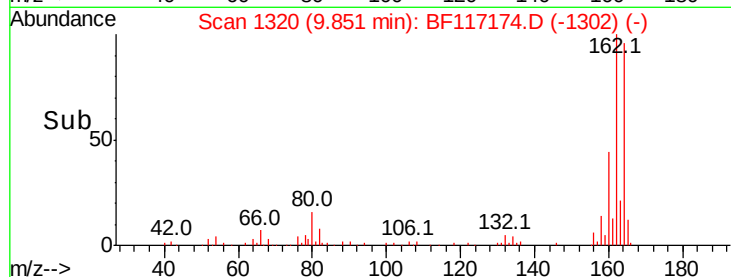
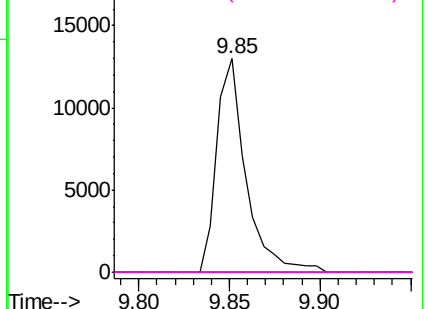


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

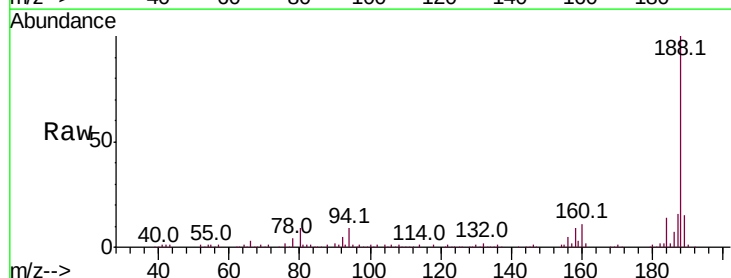
Ion 89.00 (88.70 to 89.70): BF1

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: BF117174.D
 Acq: 19 Sep 2019 15:09

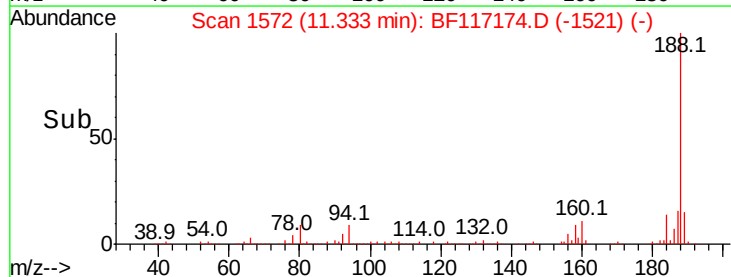
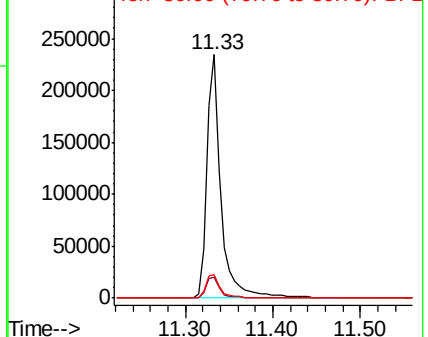
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.2	12.2
80	9.4	9.0	13.6

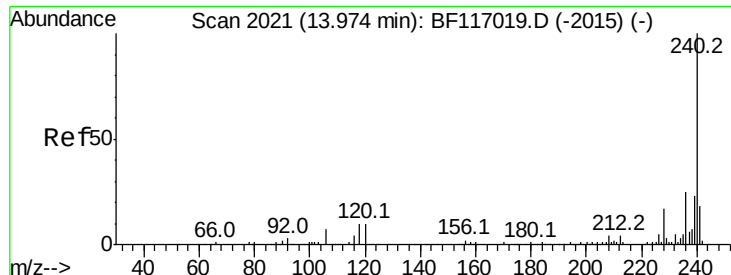


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

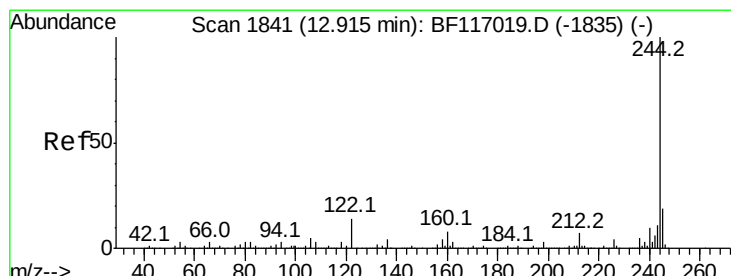
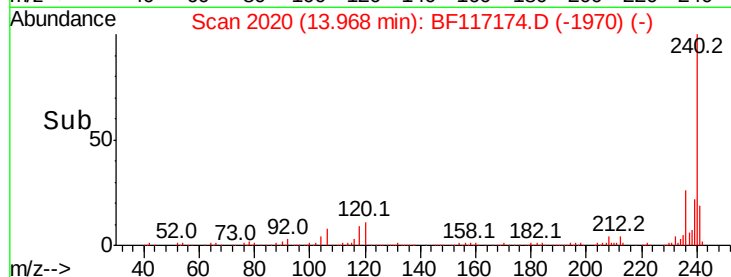
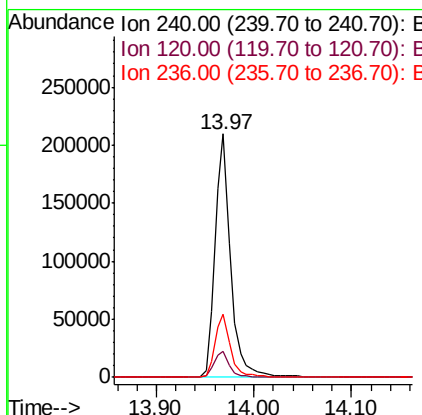
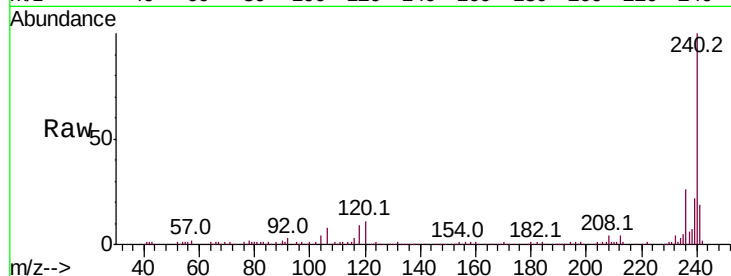




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117174.D
 Acq: 19 Sep 2019 15:09

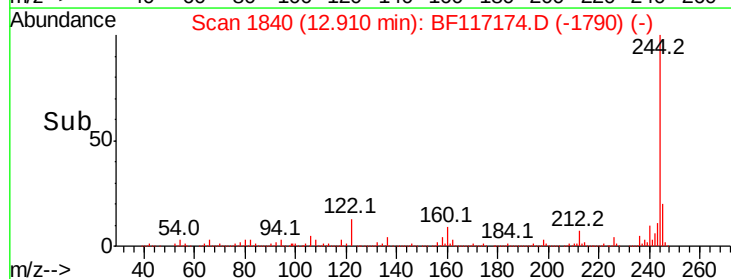
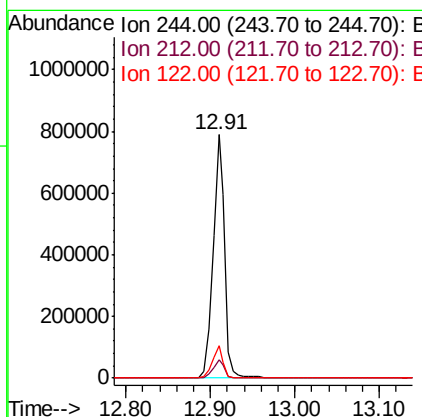
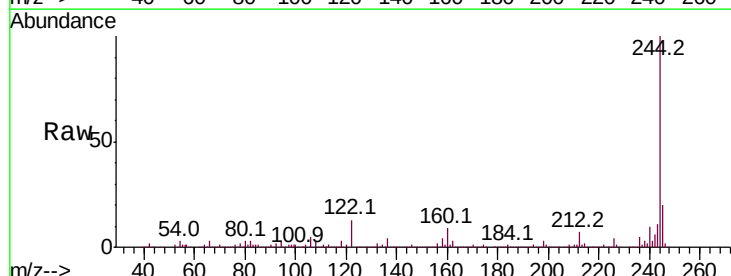
Instrument :
 BNA_F
 ClientSampled :

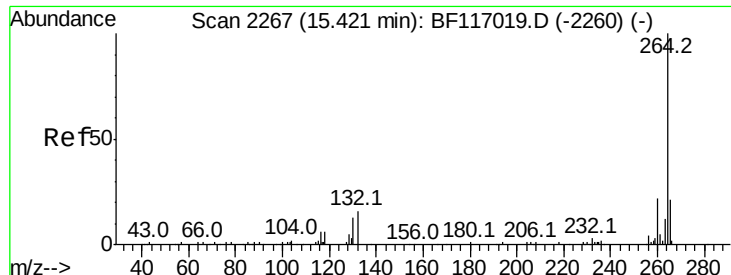
Tot Ion:240 Resp: 232111
 Ion Ratio Lower Upper
 240 100
 120 10.6 8.3 12.5
 236 25.8 20.3 30.5



#79
 Terphenyl-d14
 Concen: 62.219 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117174.D
 Acq: 19 Sep 2019 15:09

Tgt Ion:244 Resp: 772610
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.8
 122 13.5 11.3 16.9

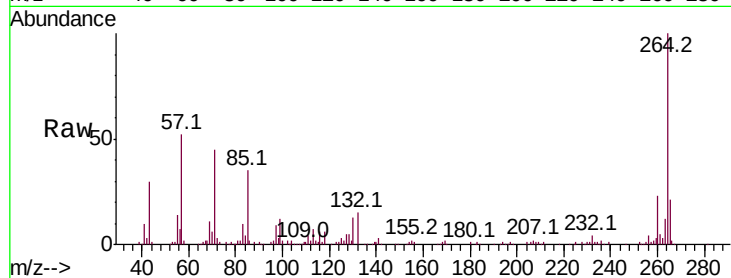




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117174.D
 Acq: 19 Sep 2019 15:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.6	26.4
265	21.4	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

