

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
 Data File : BF117242.D
 Acq On : 25 Sep 2019 16:11
 Operator : JU
 Sample : PB123227BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:28:55 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

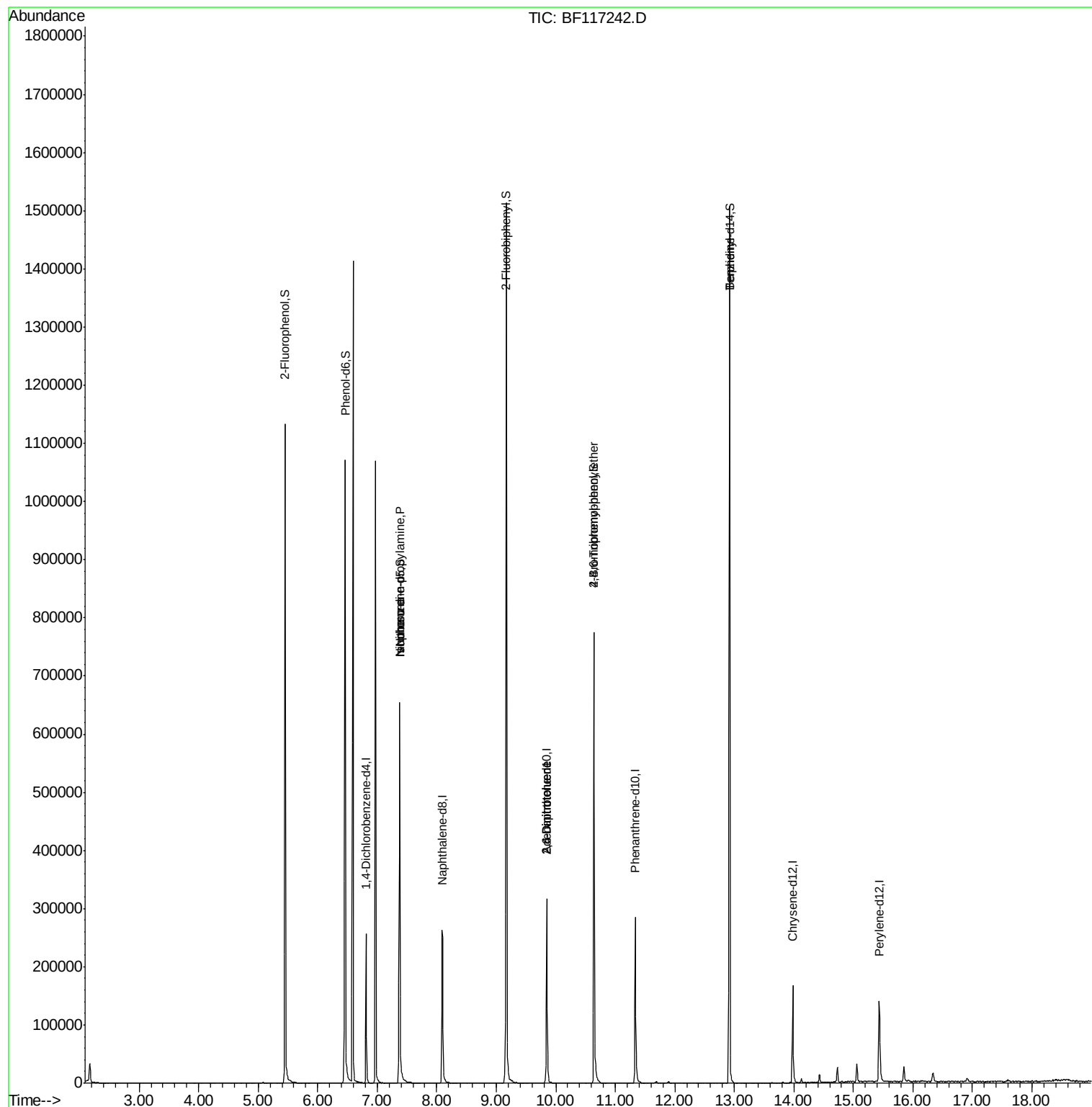
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	41563	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	162004	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	86602	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	138240	20.00	ng	0.00
76) Chrysene-d12	13.98	240	80677	20.00	ng	0.00
87) Perylene-d12	15.43	264	72722	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	344652	129.46	ng	0.01
7) Phenol-d6	6.46	99	468561	136.19	ng	0.00
23) Nitrobenzene-d5	7.38	82	298496	96.81	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	94568	130.66	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	560150	101.13	ng	0.00
79) Terphenyl-d14	12.92	244	512555	118.75	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	610	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	40140	19.160 ng	#	80
25) Isophorone	7.38	82	298494	54.677 ng	#	66
51) 2,6-Dinitrotoluene	9.85	165	10107	8.093 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	10107	6.235 ng	#	18
67) 4-Bromophenyl-phenylether	10.64	248	5909	4.186 ng	#	1
77) Benizidine	12.92	184	7153	2.752 ng	#	96

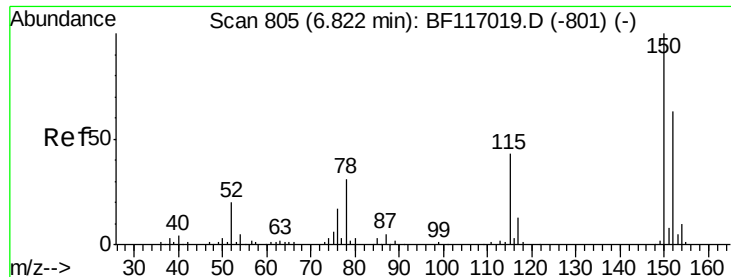
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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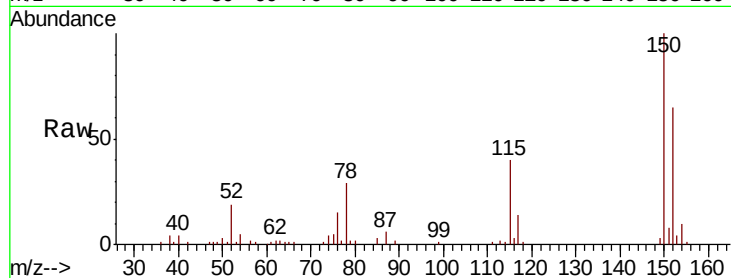


#1

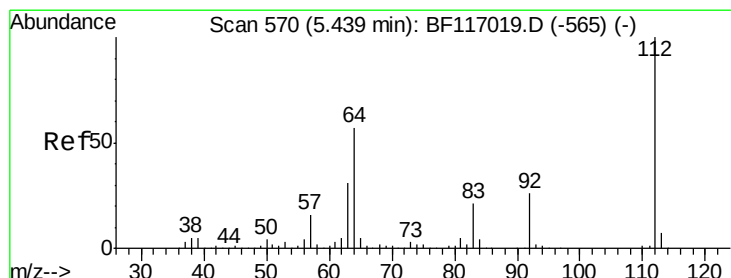
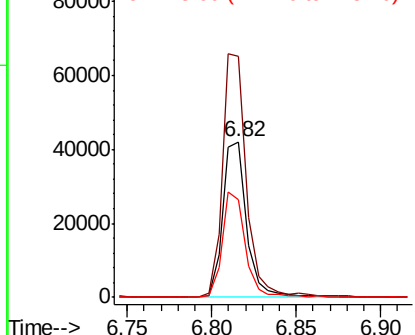
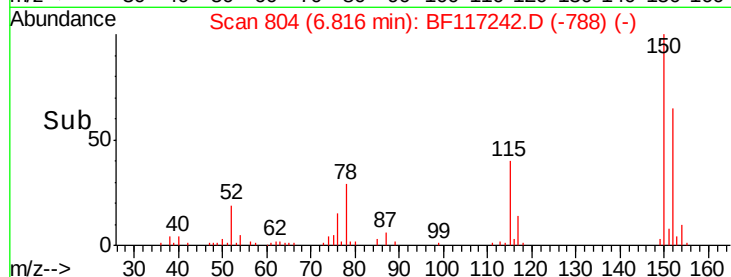
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117242.D
Acq: 25 Sep 2019 16:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 41563
Ion Ratio Lower Upper
152 100
150 155.0 127.5 191.3
115 62.4 55.0 82.4



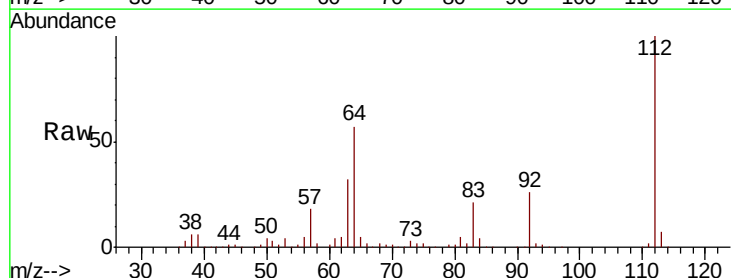
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



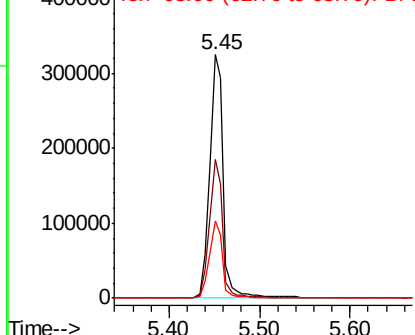
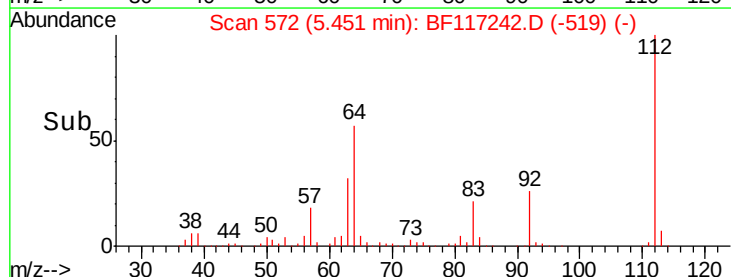
#5

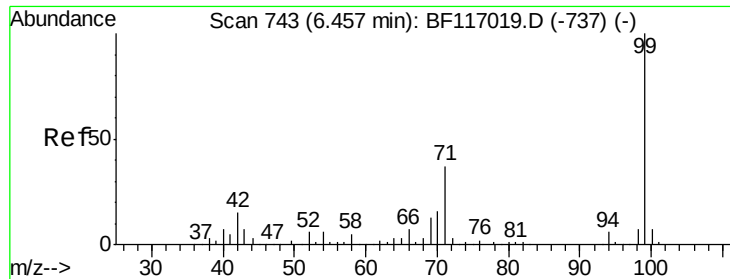
2-Fluorophenol
Concen: 129.463 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117242.D
Acq: 25 Sep 2019 16:11

Tgt Ion:112 Resp: 344652
Ion Ratio Lower Upper
112 100
64 57.1 45.7 68.5
63 31.7 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: 136.191 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117242.D

Acq: 25 Sep 2019 16:11

Instrument :

BNA_F

ClientSampled :

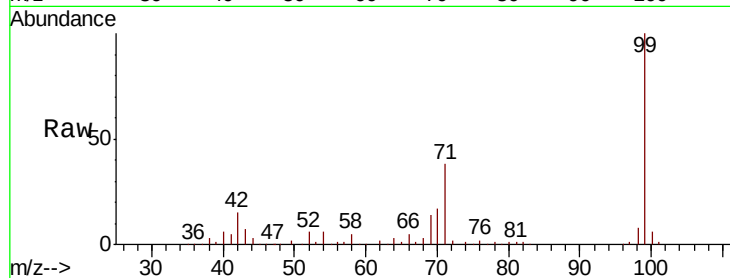
Tot Ion: 99 Resp: 468561

Ion Ratio Lower Upper

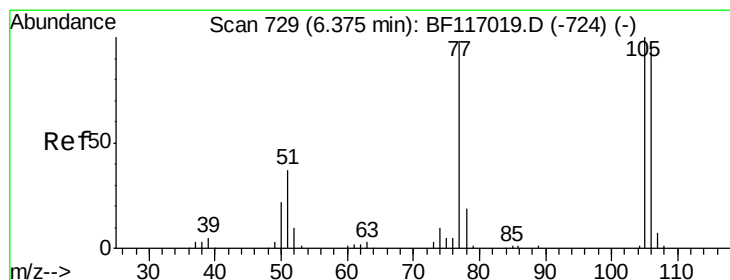
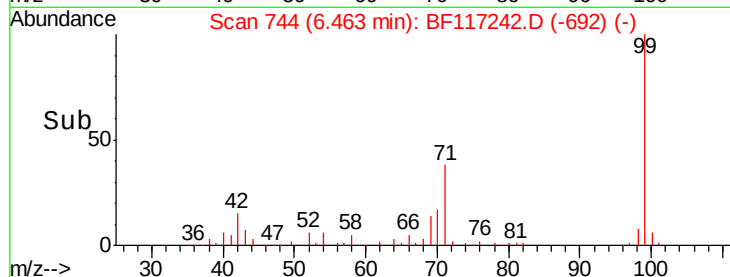
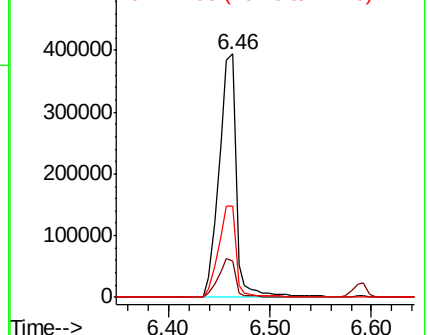
99 100

42 14.9 12.2 18.2

71 37.7 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: BF117242.D

Acq: 25 Sep 2019 16:11

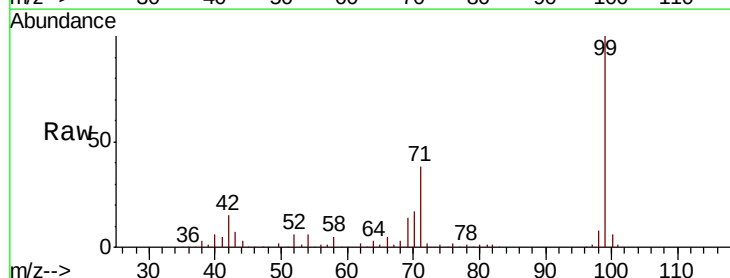
Tgt Ion: 77 Resp: 610

Ion Ratio Lower Upper

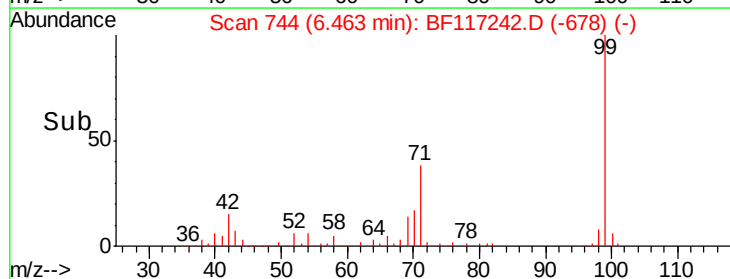
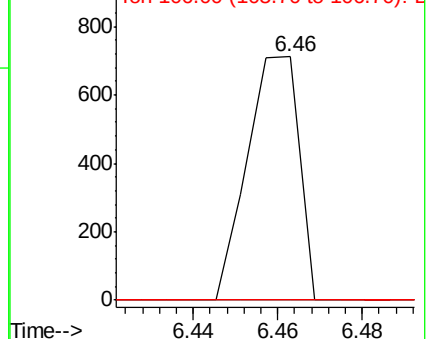
77 100

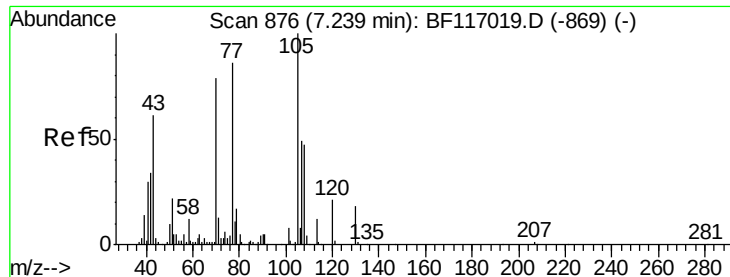
105 0.0 81.8 121.8#

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: 19.160 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF117242.D

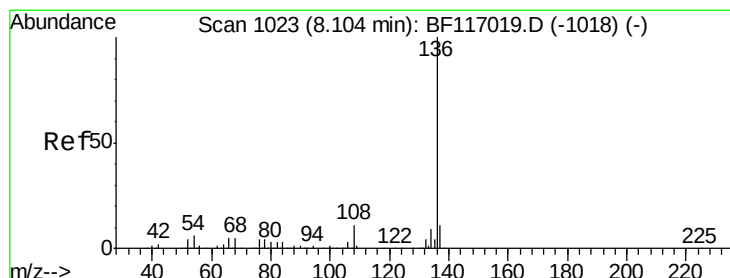
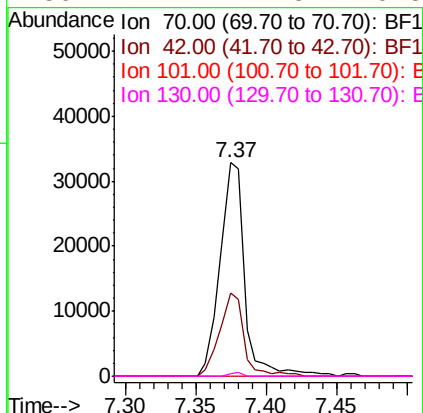
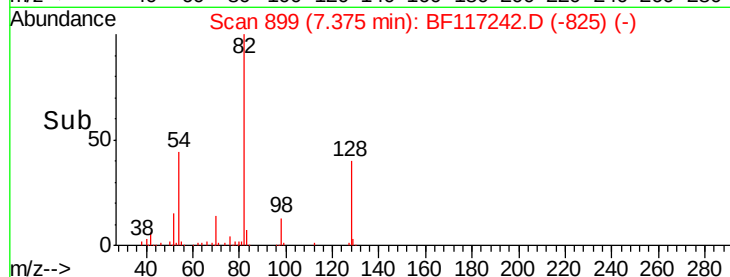
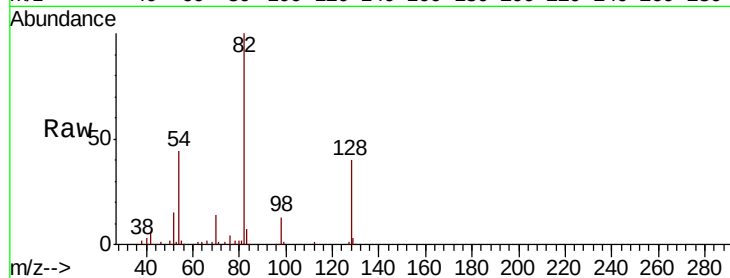
Acq: 25 Sep 2019 16:11

Instrument :

BNA_F

ClientSampled :

Tot Ion:	70	Resp:	40140
Ion	Ratio	Lower	Upper
70	100		
42	39.0	34.0	51.0
101	0.0	7.8	11.6#
130	1.4	17.8	26.8#



#21

Naphthalene-d8

Concen: 20.000 ng

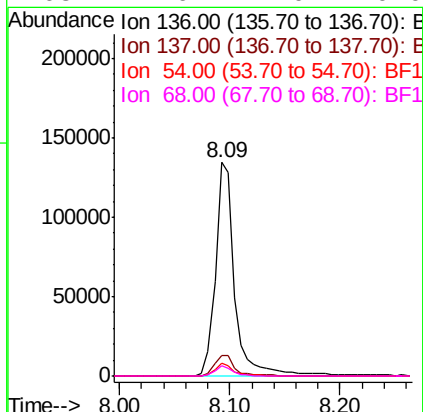
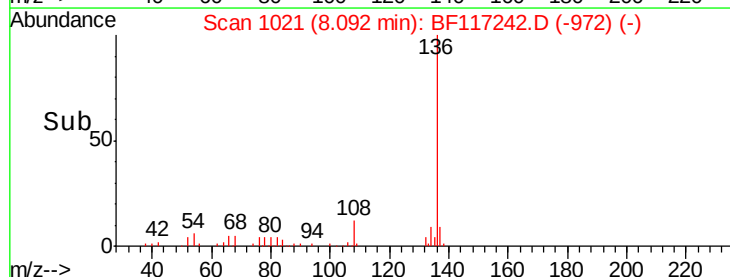
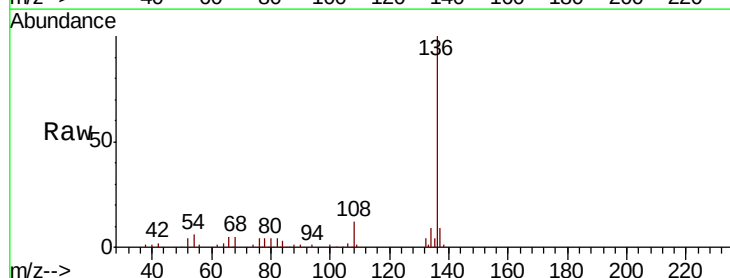
RT: 8.09 min Scan# 1021

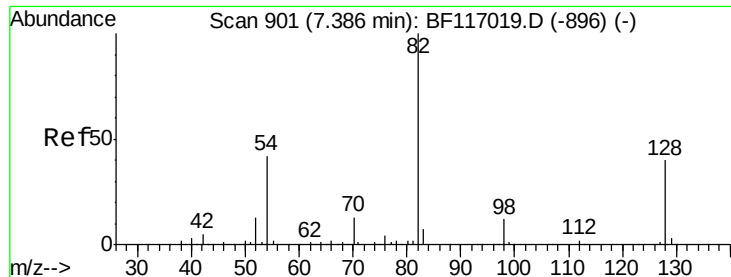
Delta R.T. -0.01 min

Lab File: BF117242.D

Acq: 25 Sep 2019 16:11

Tgt Ion:	136	Resp:	162004
Ion	Ratio	Lower	Upper
136	100		
137	9.4	9.0	13.4
54	6.0	4.5	6.7
68	4.6	4.0	6.0

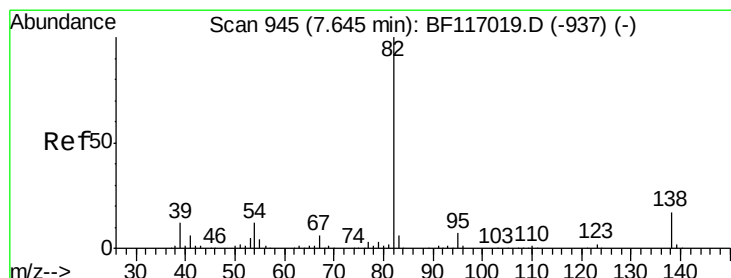
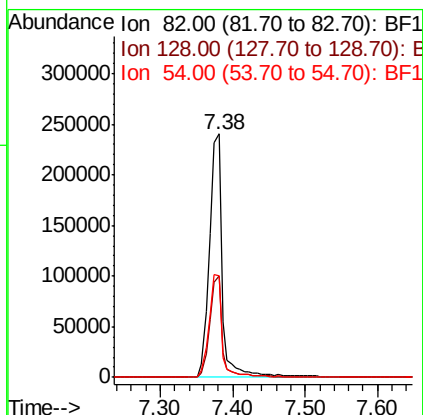
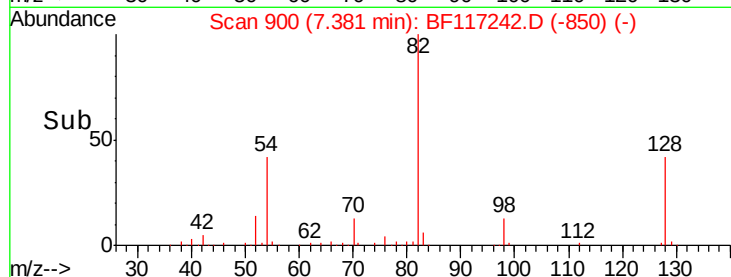
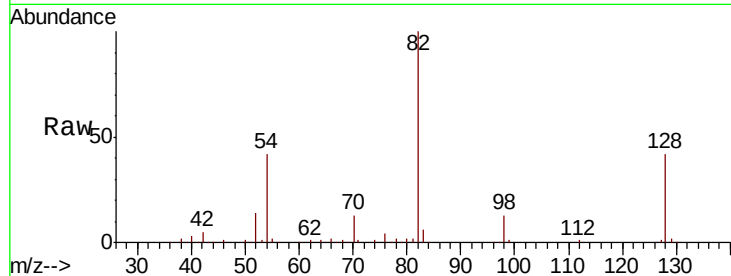




#23
 Nitrobenzene-d5
 Concen: 96.811 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117242.D
 Acq: 25 Sep 2019 16:11

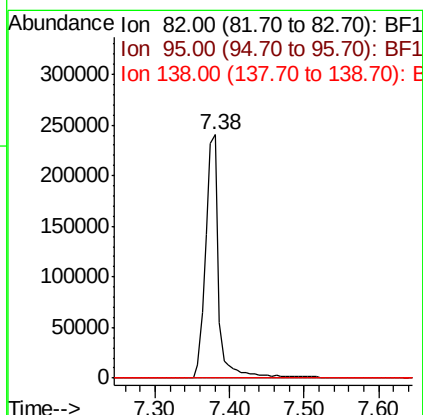
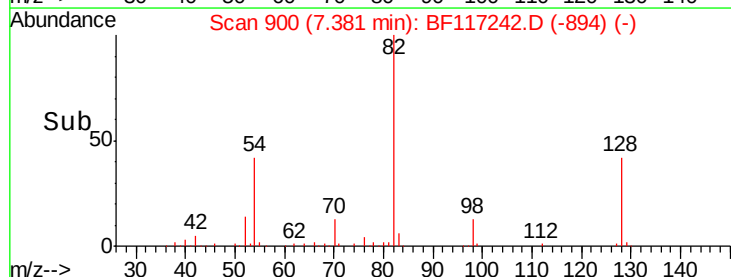
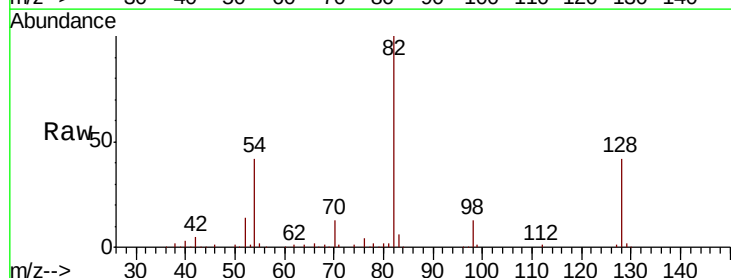
Instrument :
 BNA_F
 ClientSampleId :

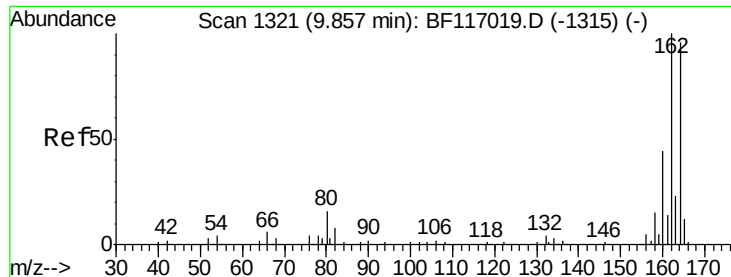
Tot Ion	82	Resp	298496
Ion Ratio	Lower	Upper	
82	100		
128	41.9	32.3	48.5
54	41.6	33.3	49.9



#25
 Isophorone
 Concen: 54.677 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF117242.D
 Acq: 25 Sep 2019 16:11

Tgt Ion	82	Resp	298494
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

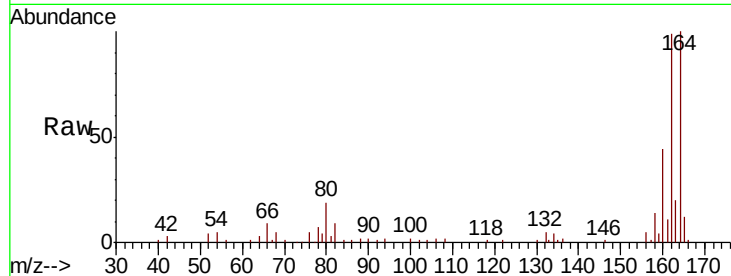




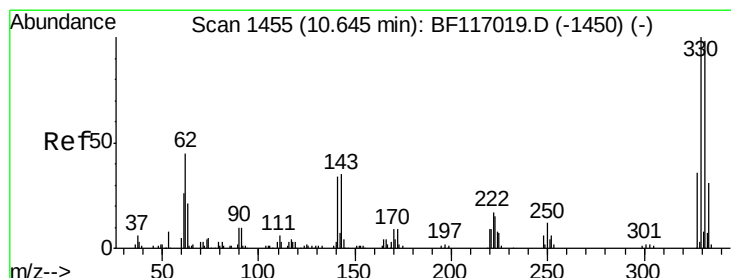
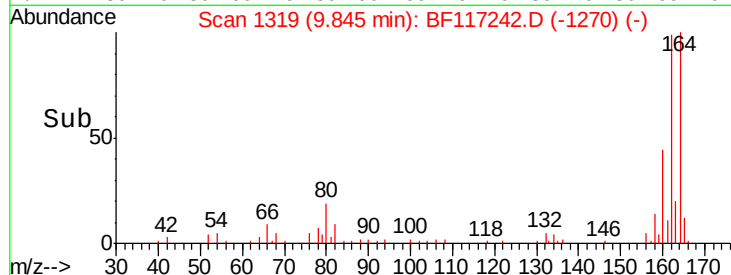
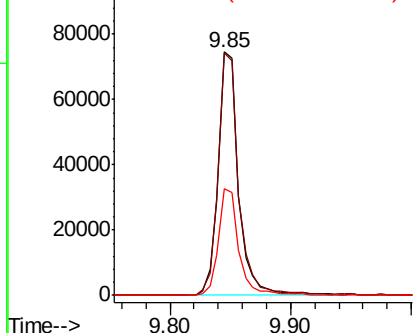
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117242.D
Acq: 25 Sep 2019 16:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 86602
Ion Ratio Lower Upper
164 100
162 99.3 83.4 125.2
160 43.6 36.4 54.6

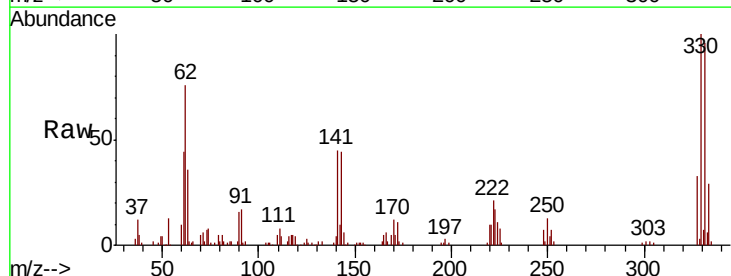


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

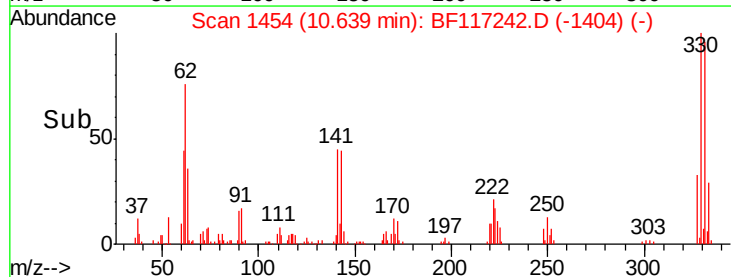
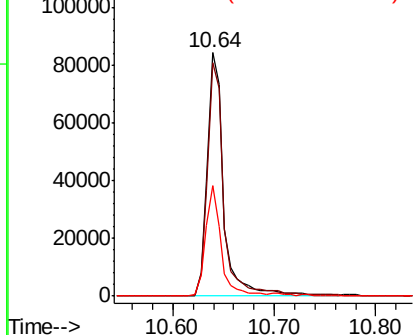


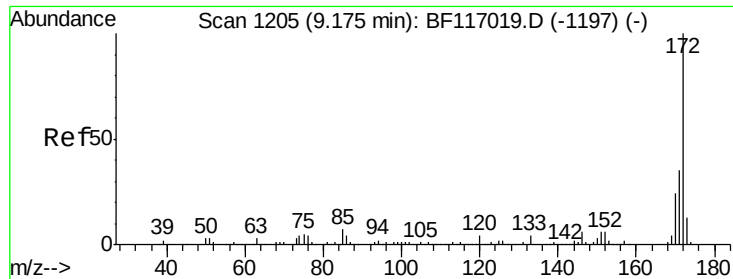
#42
2,4,6-Tribromophenol
Concen: 130.656 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117242.D
Acq: 25 Sep 2019 16:11

Tgt Ion:330 Resp: 94568
Ion Ratio Lower Upper
330 100
332 96.8 78.0 117.0
141 43.7 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

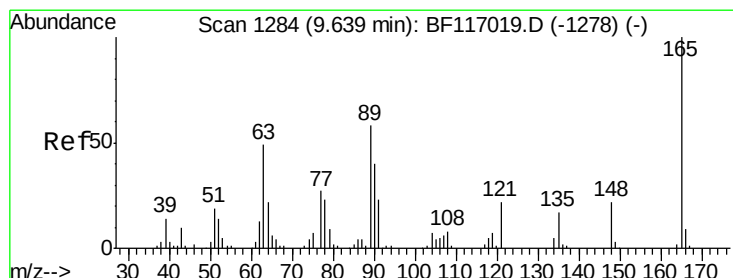
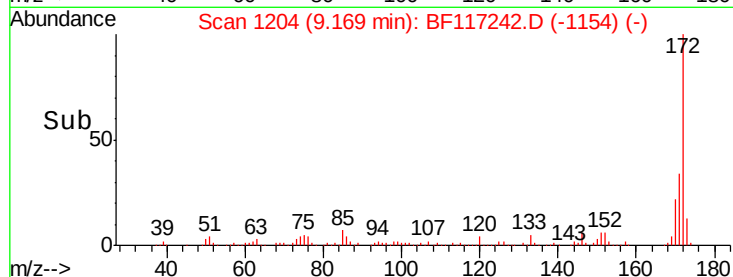
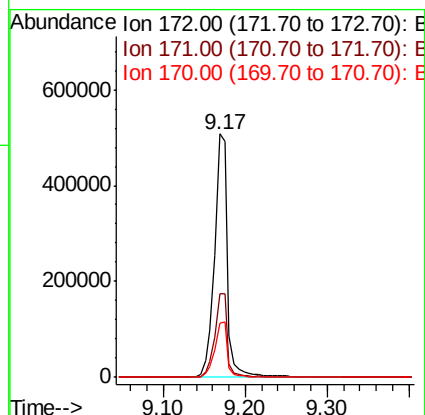
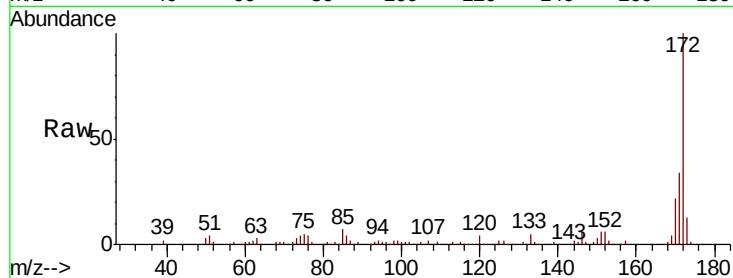




#45
 2-Fluorobiphenyl
 Concen: 101.134 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF117242.D
 Acq: 25 Sep 2019 16:11

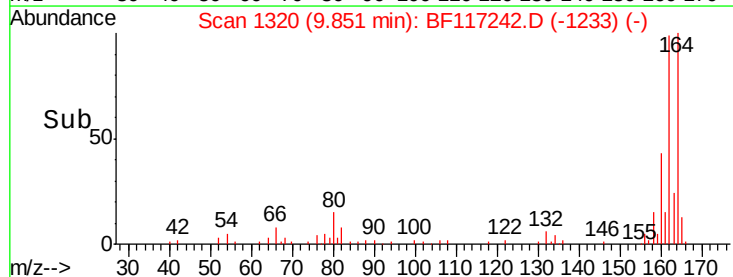
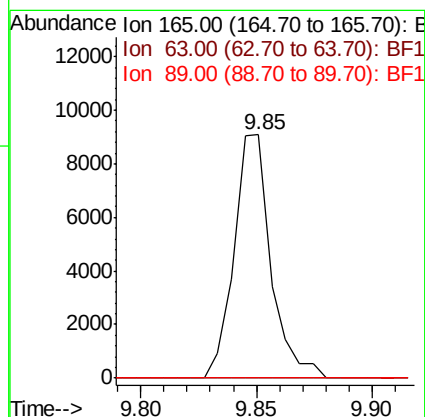
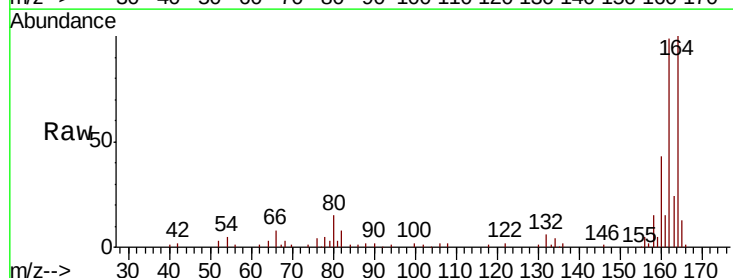
Instrument :
 BNA_F
 ClientSampleId :

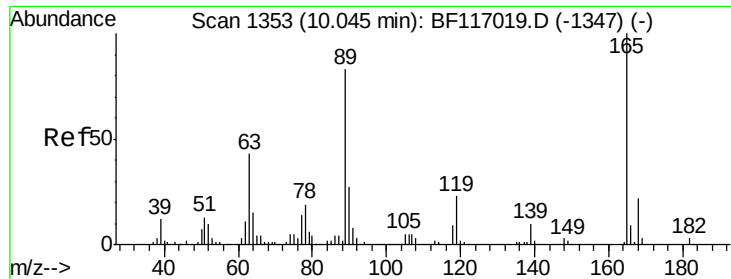
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.2	42.2
170	22.3	18.9	28.3



#51
 2,6-Dinitrotoluene
 Concen: 8.093 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117242.D
 Acq: 25 Sep 2019 16:11

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

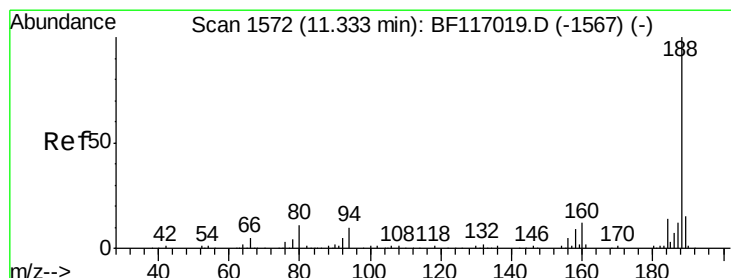
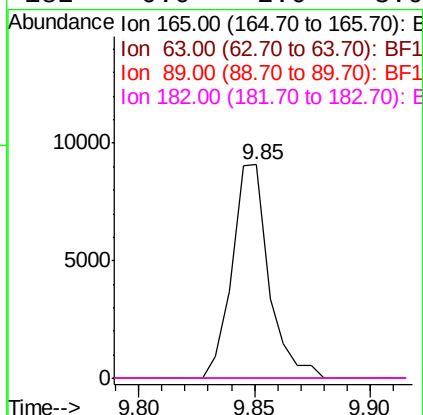
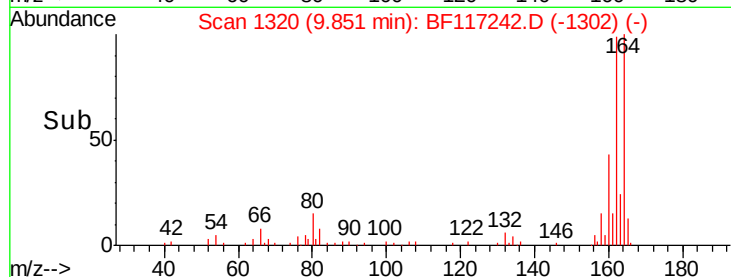
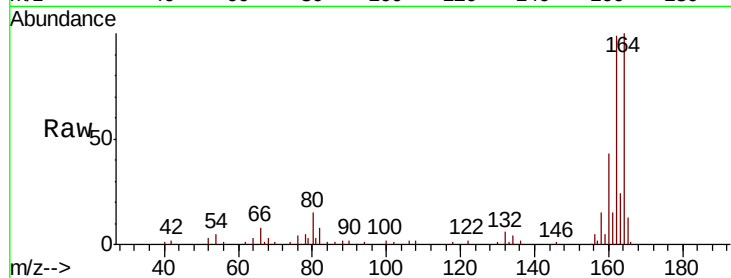




#57
 2,4-Dinitrotoluene
 Concen: 6.235 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117242.D
 Acq: 25 Sep 2019 16:11

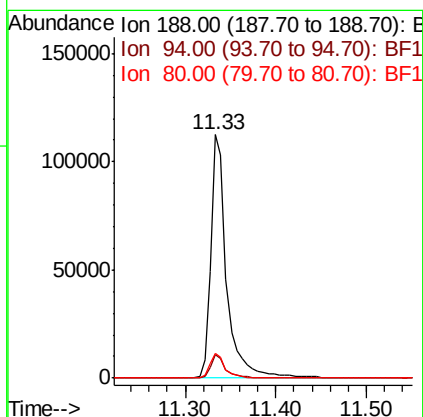
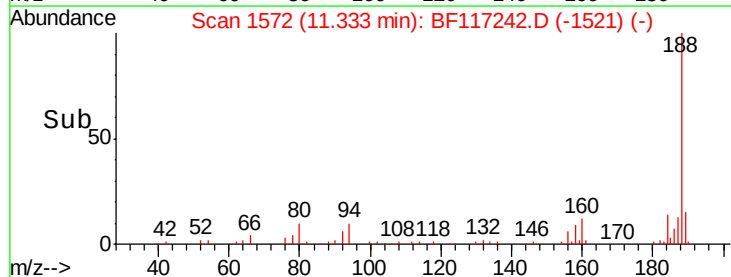
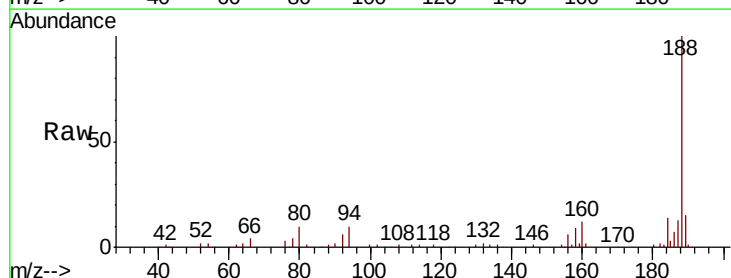
Instrument :
 BNA_F
 ClientSampleId :

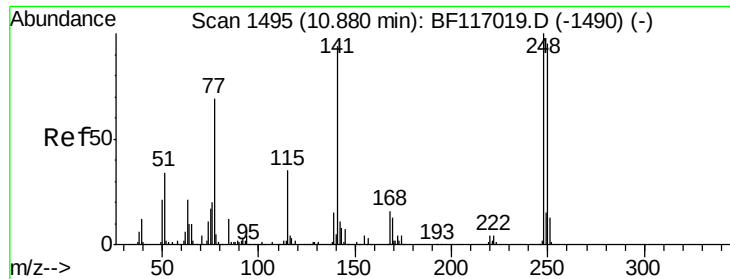
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF117242.D
 Acq: 25 Sep 2019 16:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.2	12.2
80	10.2	9.0	13.6

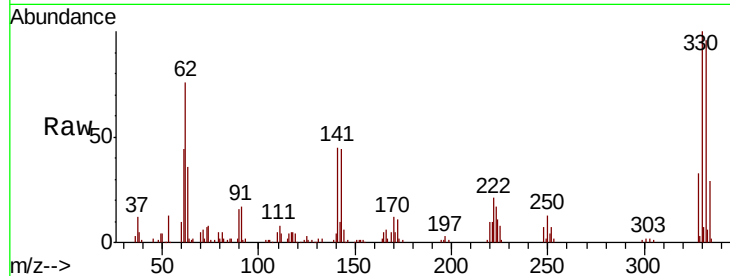




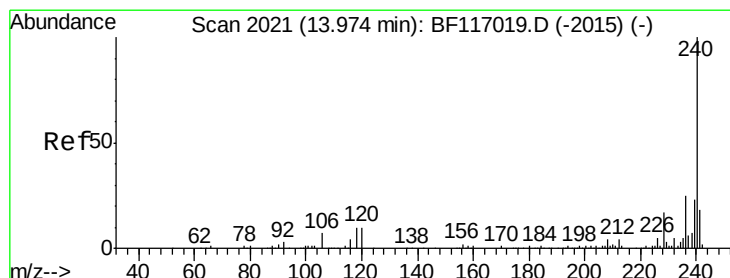
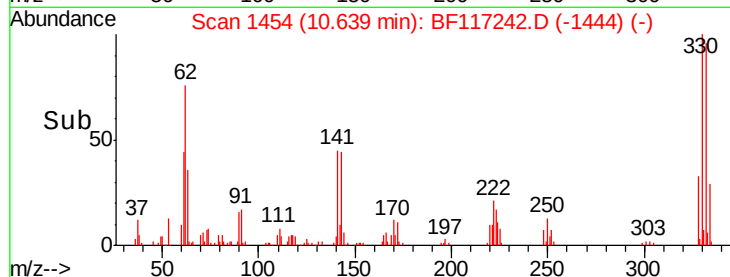
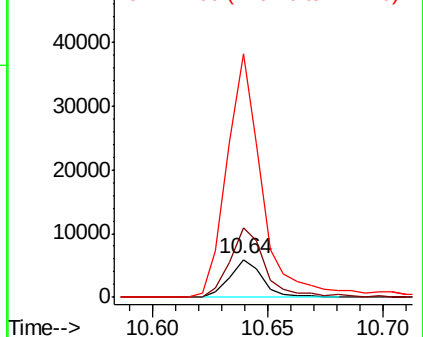
#67
 4-Bromophenyl-phenylether
 Concen: 4.186 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117242.D
 Acq: 25 Sep 2019 16:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 5909
 Ion Ratio Lower Upper
 248 100
 250 184.9 76.2 114.4#
 141 648.1 75.0 112.4#

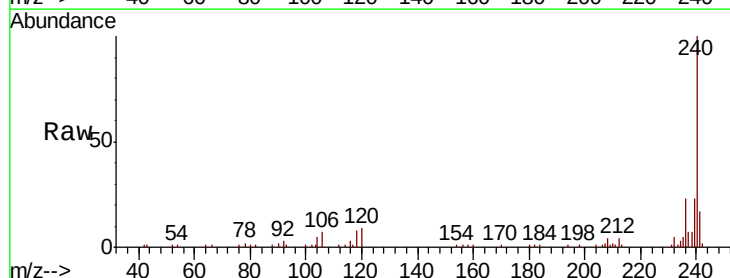


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

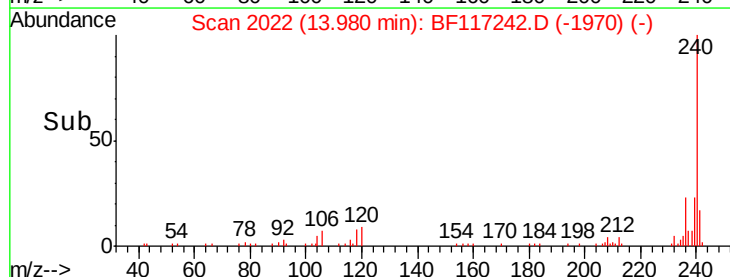
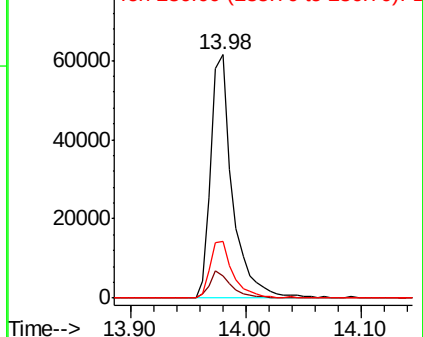


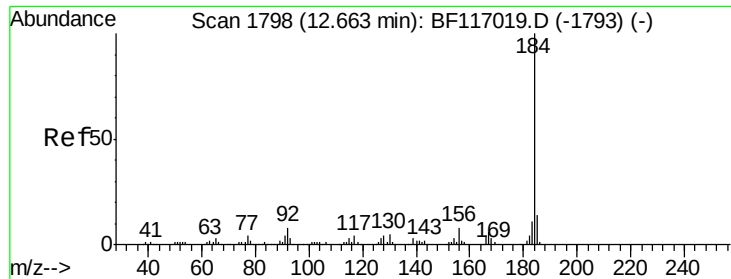
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.01 min
 Lab File: BF117242.D
 Acq: 25 Sep 2019 16:11

Tgt Ion:240 Resp: 80677
 Ion Ratio Lower Upper
 240 100
 120 9.3 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





#77

Benzidine

Concen: 2.752 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.26 min

Lab File: BF117242.D

Acq: 25 Sep 2019 16:11

Instrument :

BNA_F

ClientSampleId :

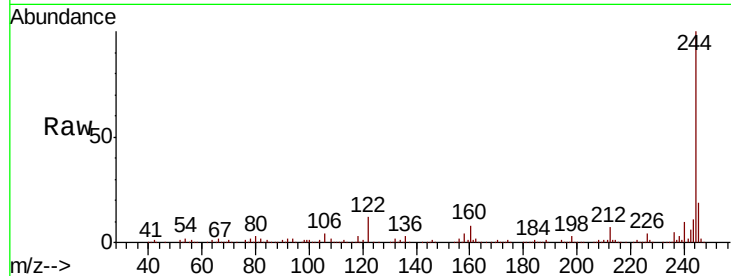
Tot Ion:184 Resp: 7153

Ion Ratio Lower Upper

184 100

185 14.7 11.6 17.4

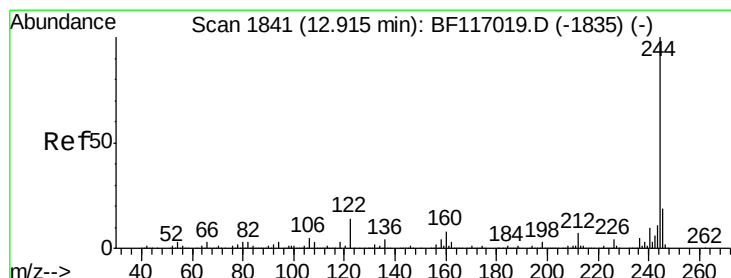
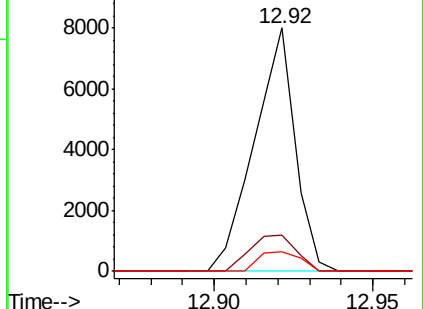
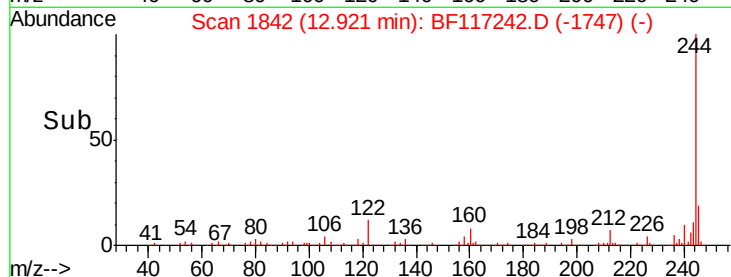
183 8.2 9.0 13.4#



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: 118.755 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF117242.D

Acq: 25 Sep 2019 16:11

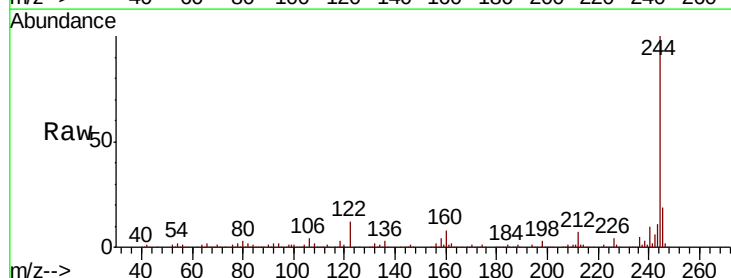
Tgt Ion:244 Resp: 512555

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

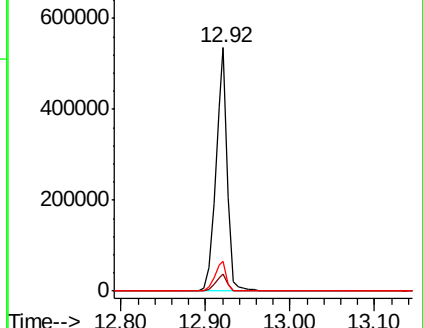
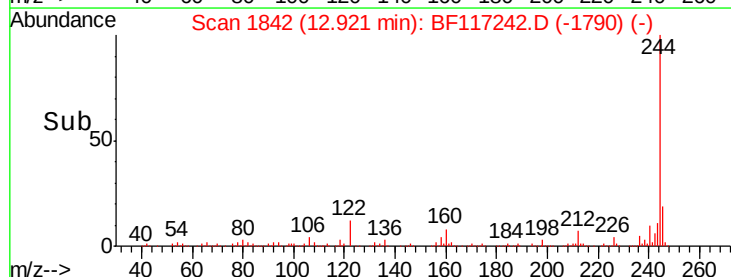
122 12.5 11.3 16.9

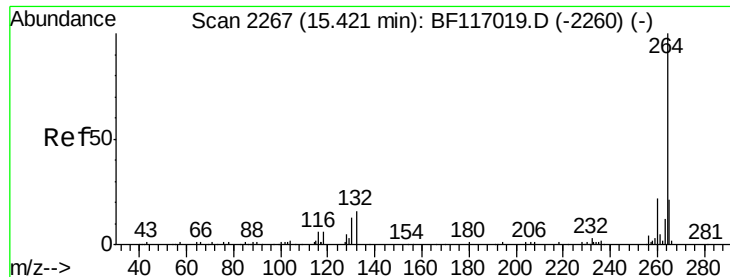


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

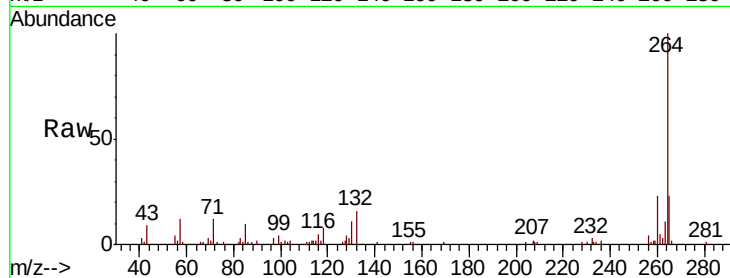




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117242.D
 Acq: 25 Sep 2019 16:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 72722
 Ion Ratio Lower Upper
 264 100
 260 22.7 17.6 26.4
 265 23.3 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

