

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
 Data File : BF117243.D
 Acq On : 25 Sep 2019 16:38
 Operator : JU
 Sample : PB123268BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:29:03 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

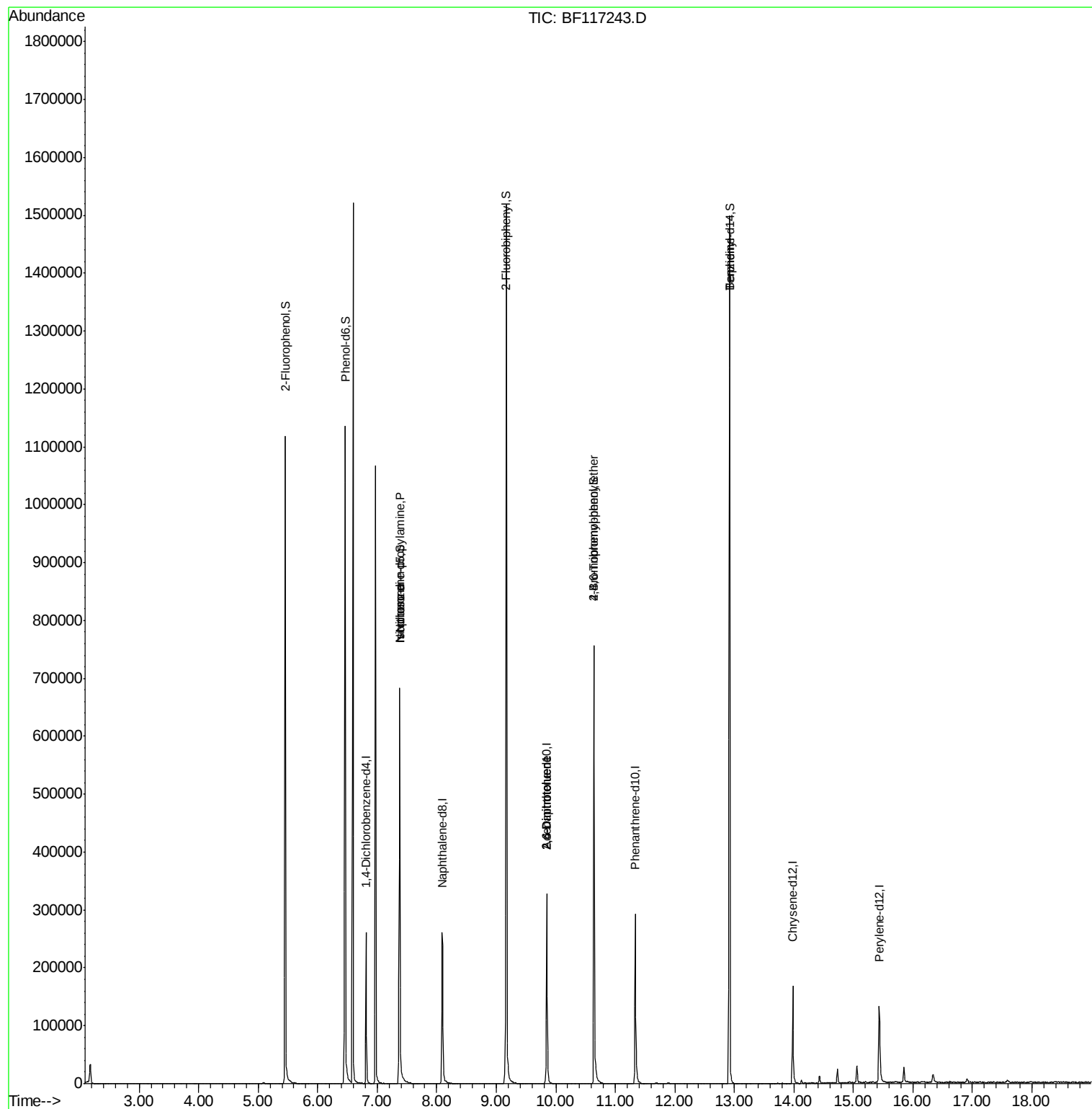
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	41887	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	166923	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	87629	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	137653	20.00	ng	0.00
76) Chrysene-d12	13.98	240	77399	20.00	ng	0.00
87) Perylene-d12	15.43	264	70335	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	348300	129.82	ng	0.02
7) Phenol-d6	6.46	99	472664	136.32	ng	0.00
23) Nitrobenzene-d5	7.38	82	305523	96.17	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	95781	130.78	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	568255	101.39	ng	0.00
79) Terphenyl-d14	12.92	244	497841	120.23	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	687	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.38	70	41841	19.817	ng	# 80
25) Isophorone	7.38	82	305521	54.315	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	10849	8.585	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	10849	6.614	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	5824	4.143	ng	# 1
77) Benizidine	12.92	184	7290	2.924	ng	# 96

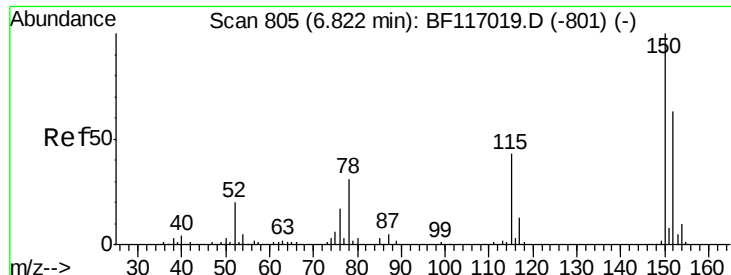
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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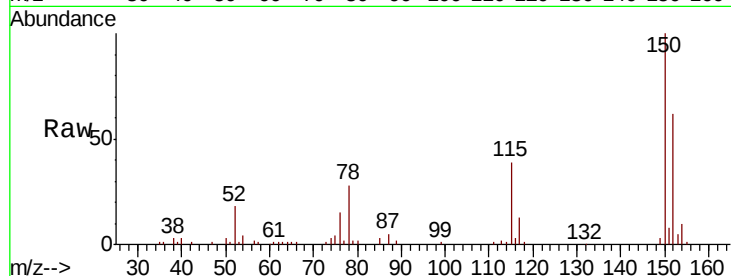


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117243.D
Acq: 25 Sep 2019 16:38

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.3	127.5	191.3
115	63.4	55.0	82.4

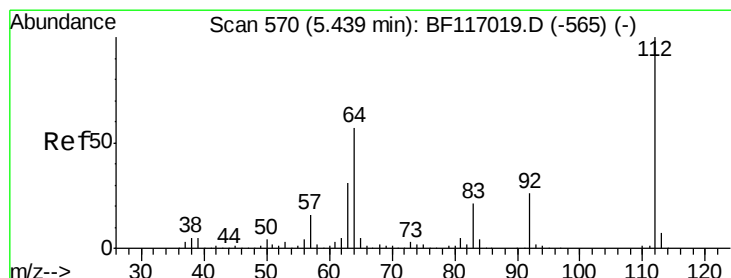
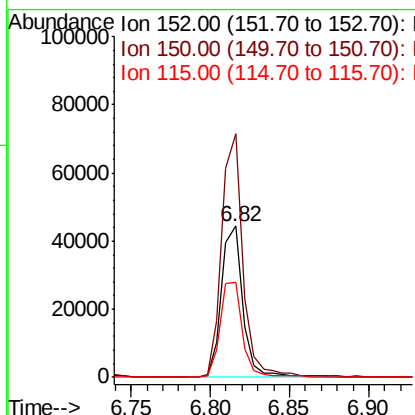
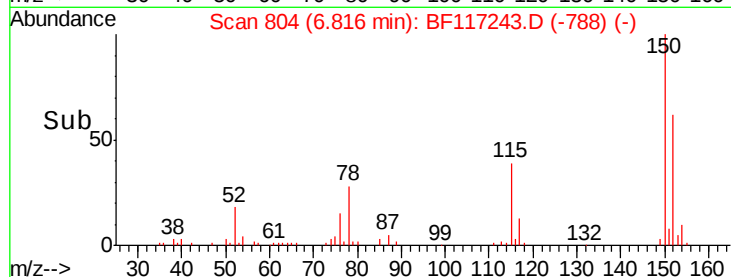


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

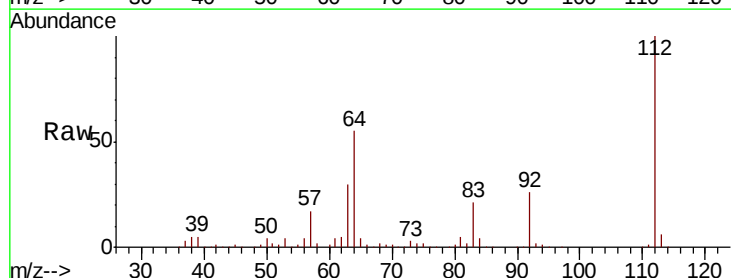
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 129.821 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117243.D
Acq: 25 Sep 2019 16:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	45.7	68.5
63	30.4	24.9	37.3

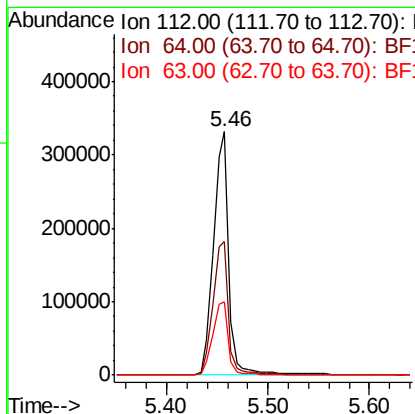
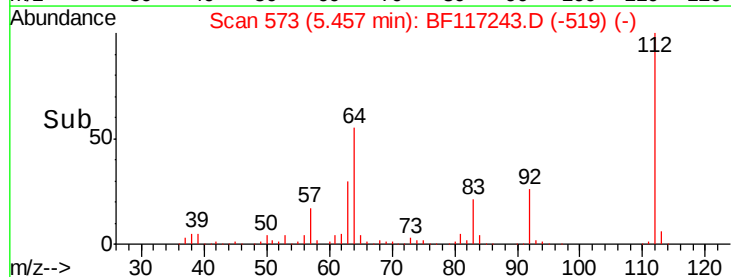


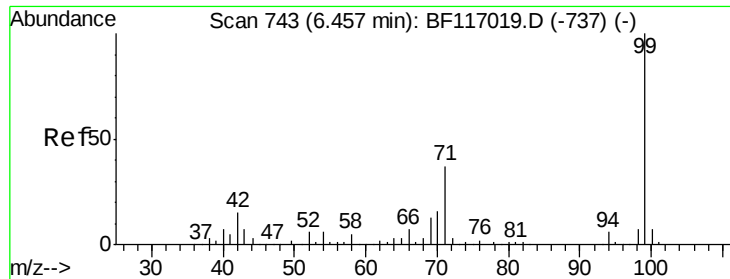
Abundance

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: 136.321 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117243.D

Acq: 25 Sep 2019 16:38

Instrument :

BNA_F

ClientSampled :

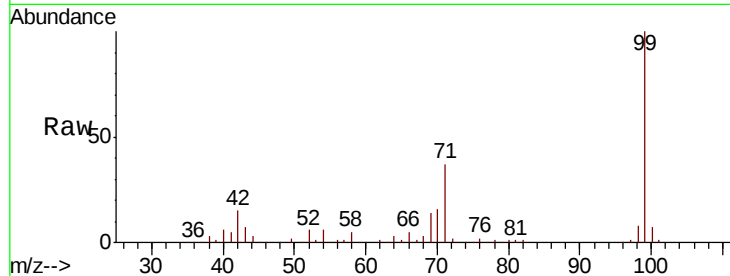
Tot Ion: 99 Resp: 472664

Ion Ratio Lower Upper

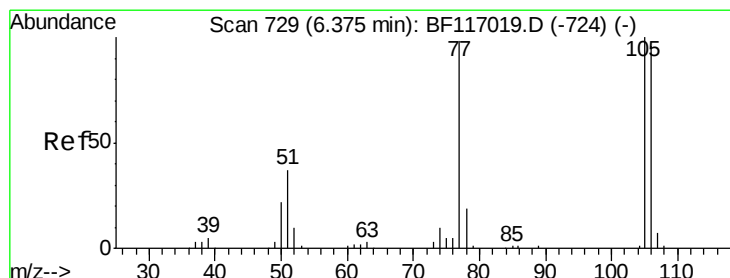
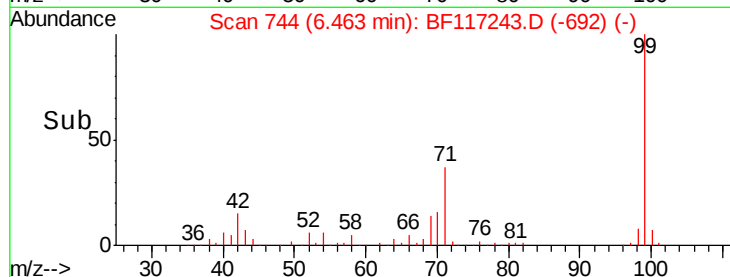
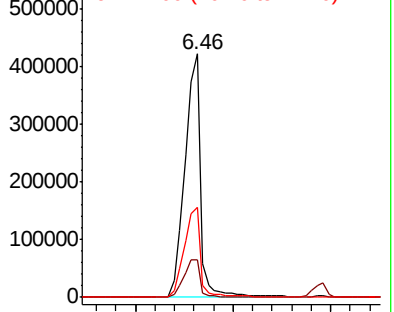
99 100

42 15.5 12.2 18.2

71 36.7 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: BF117243.D

Acq: 25 Sep 2019 16:38

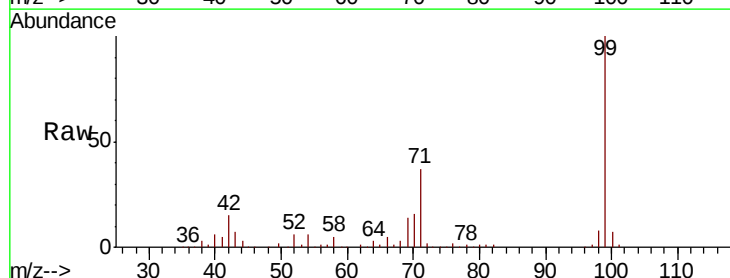
Tgt Ion: 77 Resp: 687

Ion Ratio Lower Upper

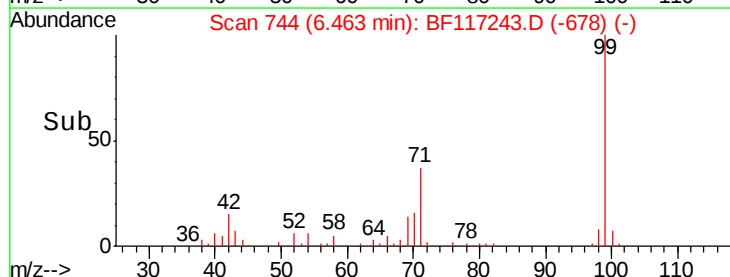
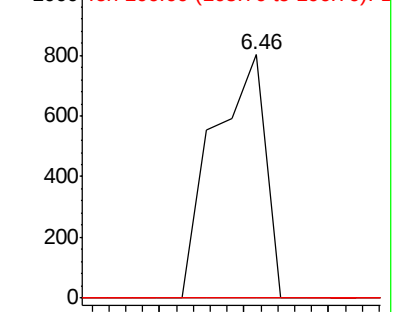
77 100

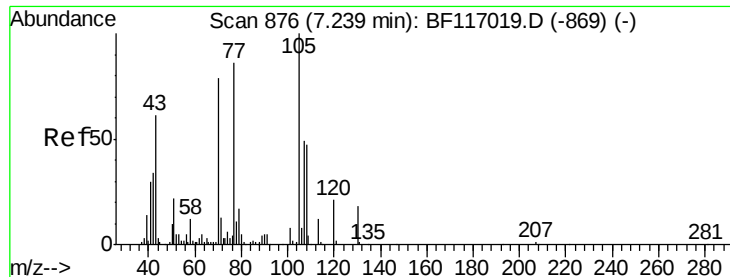
105 0.0 81.8 121.8#

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

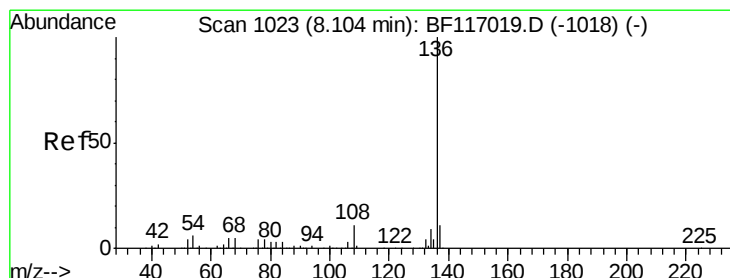
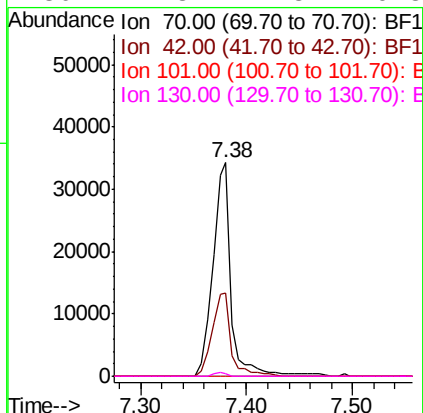
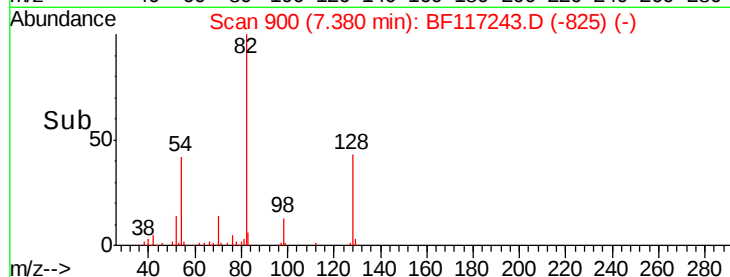
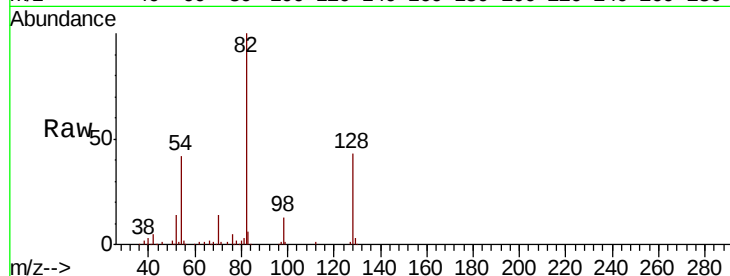




#19
n-Nitroso-di-n-propylamine
Concen: 19.817 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117243.D
Acq: 25 Sep 2019 16:38

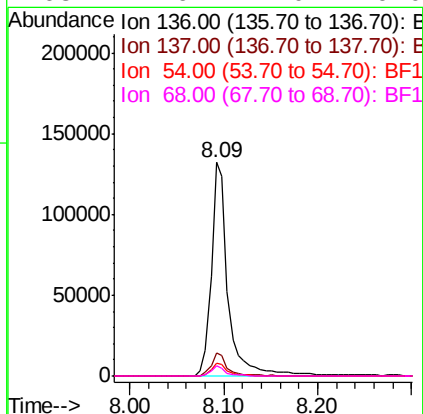
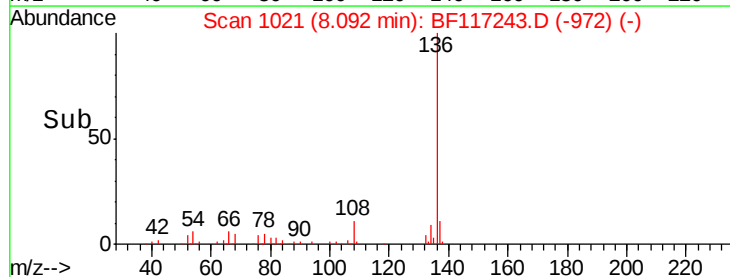
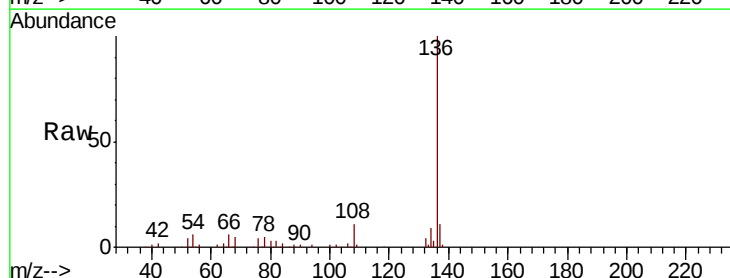
Instrument :
BNA_F
ClientSampled :

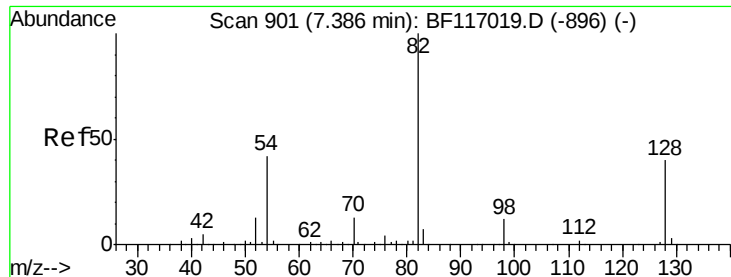
Tot Ion: 70 Resp: 41841
Ion Ratio Lower Upper
70 100
42 39.0 34.0 51.0
101 0.0 7.8 11.6#
130 1.3 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117243.D
Acq: 25 Sep 2019 16:38

Tgt Ion: 136 Resp: 166923
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 6.0 4.5 6.7
68 4.6 4.0 6.0

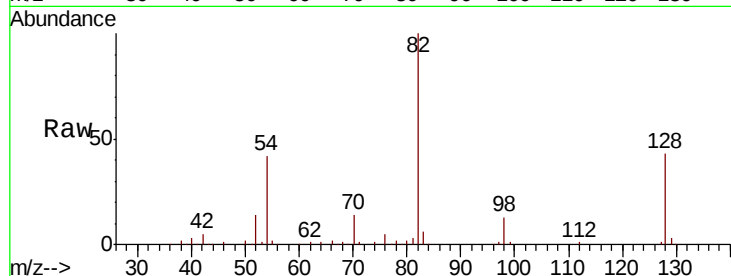




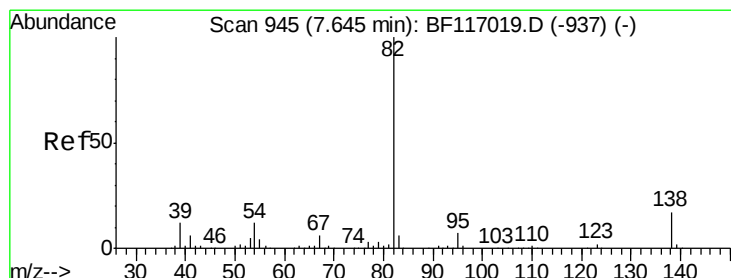
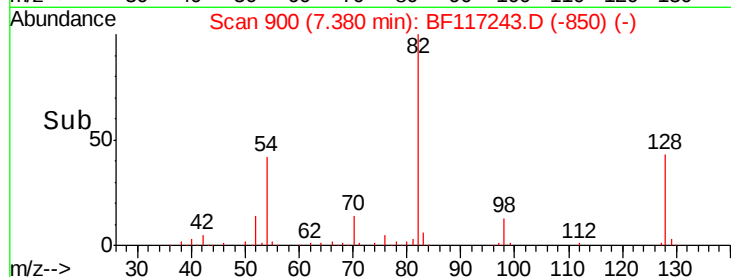
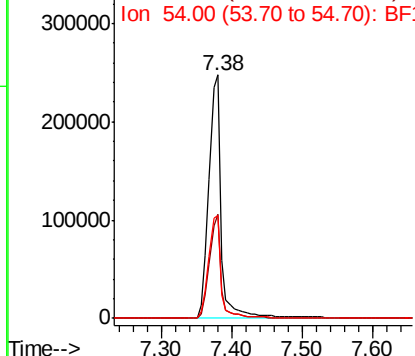
#23
Nitrobenzene-d5
Concen: 96.170 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117243.D
Acq: 25 Sep 2019 16:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	305523
Ion Ratio	Lower	Upper	
82	100		
128	42.8	32.3	48.5
54	42.0	33.3	49.9

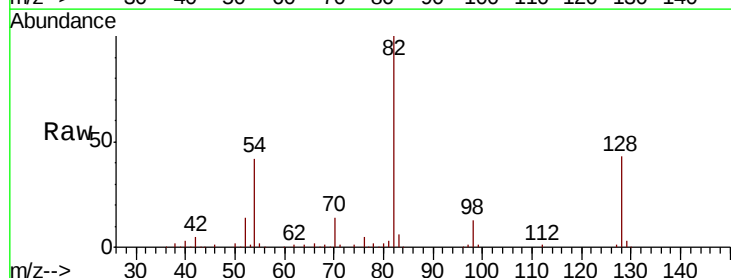


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

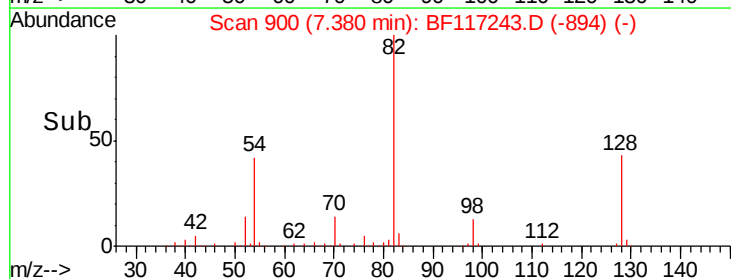
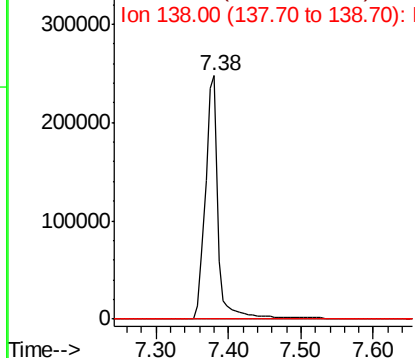


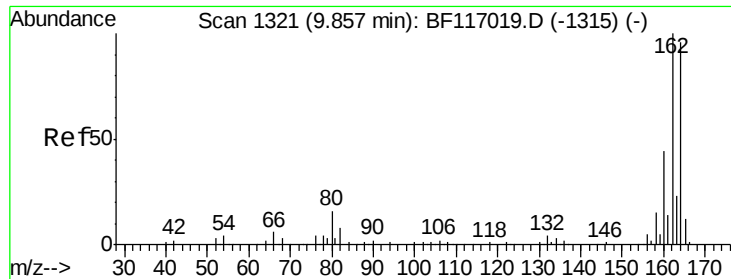
#25
Isophorone
Concen: 54.315 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.26 min
Lab File: BF117243.D
Acq: 25 Sep 2019 16:38

Tgt Ion	82	Resp	305521
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

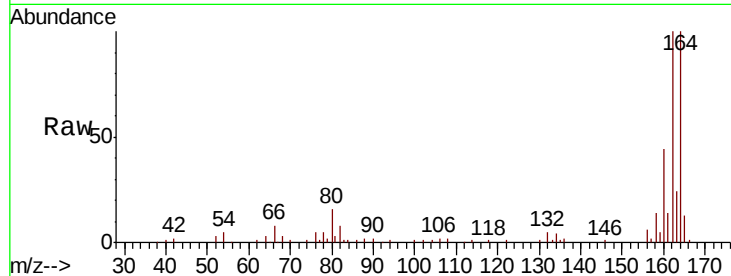




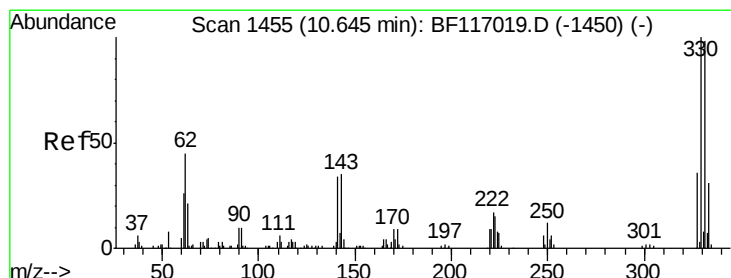
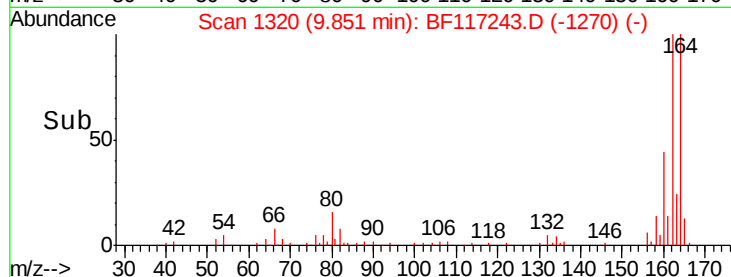
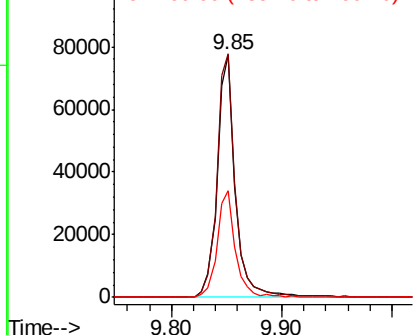
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117243.D
Acq: 25 Sep 2019 16:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 87629
Ion Ratio Lower Upper
164 100
162 100.3 83.4 125.2
160 43.9 36.4 54.6

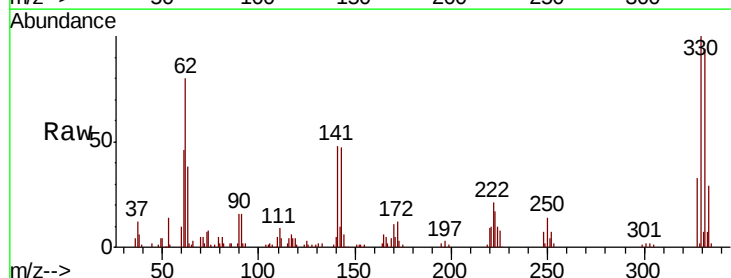


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

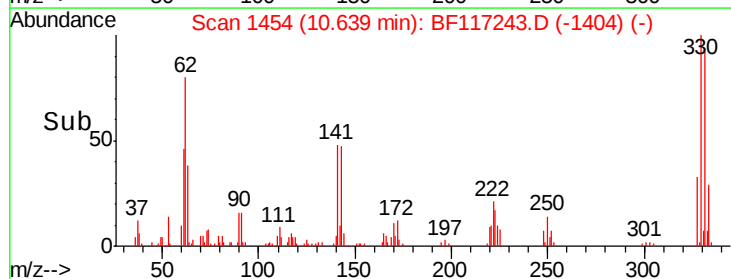
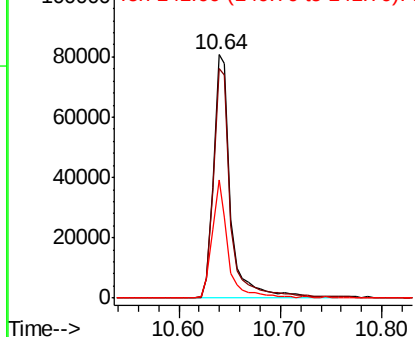


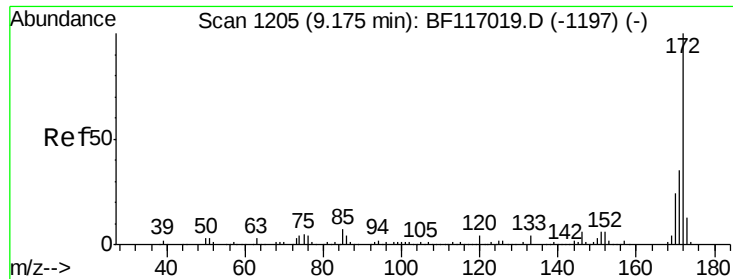
#42
2,4,6-Tribromophenol
Concen: 130.781 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117243.D
Acq: 25 Sep 2019 16:38

Tgt Ion:330 Resp: 95781
Ion Ratio Lower Upper
330 100
332 95.1 78.0 117.0
141 44.5 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

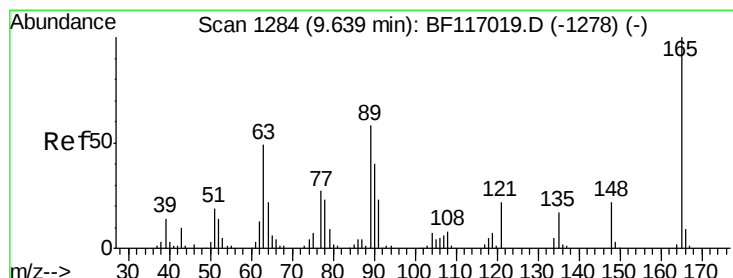
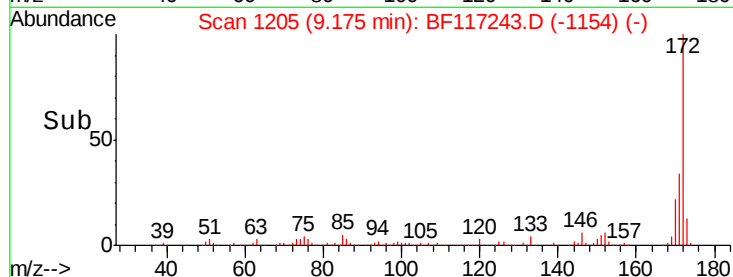
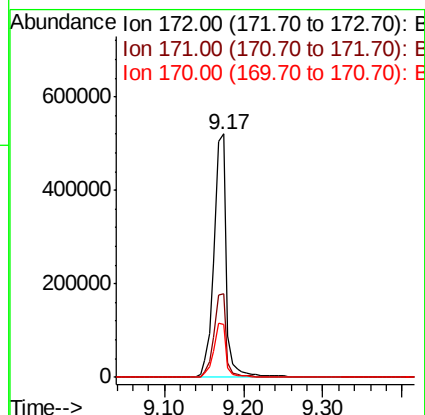
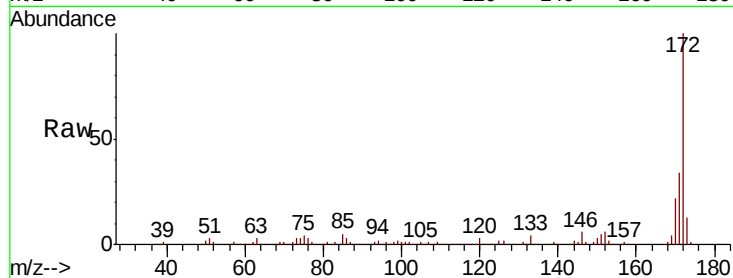




#45
 2-Fluorobiphenyl
 Concen: 101.394 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF117243.D
 Acq: 25 Sep 2019 16:38

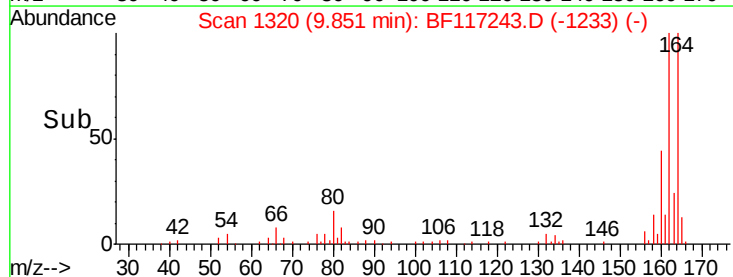
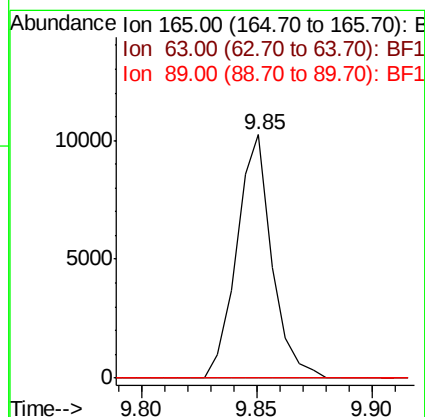
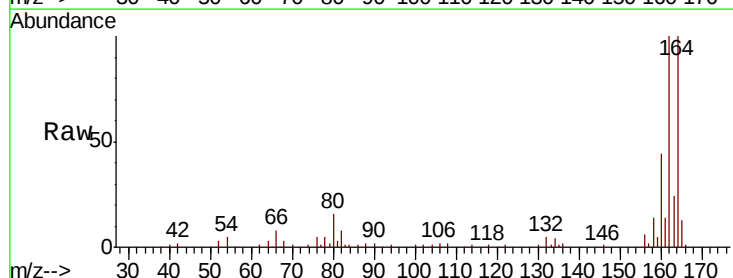
Instrument :
 BNA_F
 ClientSampleId :

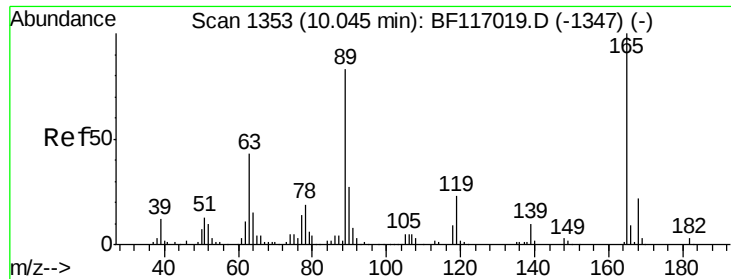
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.2	42.2
170	21.9	18.9	28.3



#51
 2,6-Dinitrotoluene
 Concen: 8.585 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117243.D
 Acq: 25 Sep 2019 16:38

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: 6.614 ng

RT: 9.85 min Scan# 1320

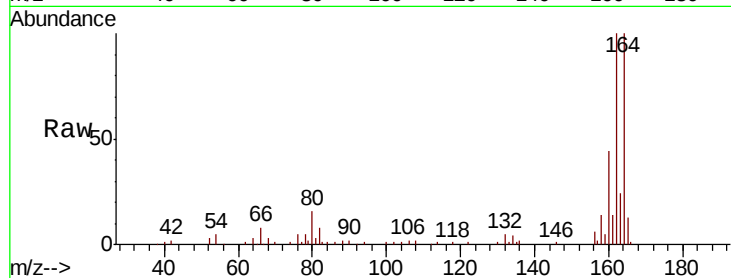
Delta R.T. -0.19 min

Lab File: BF117243.D

Acq: 25 Sep 2019 16:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	10849
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#

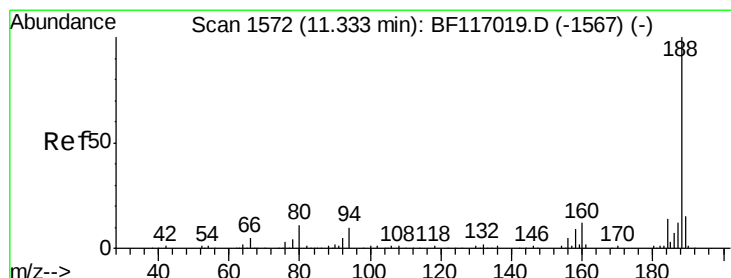
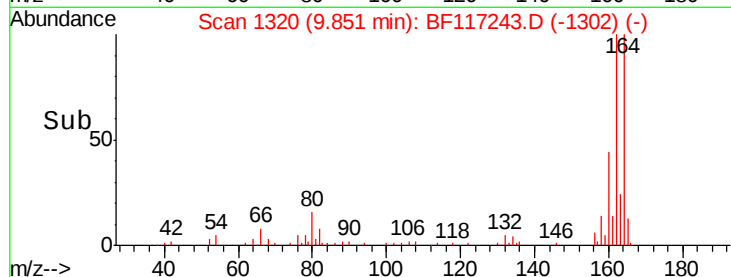
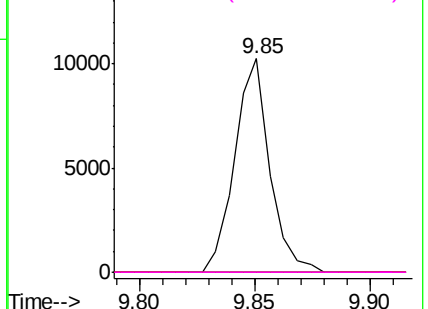


Abundance Ion 165.00 (164.70 to 165.70): E

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

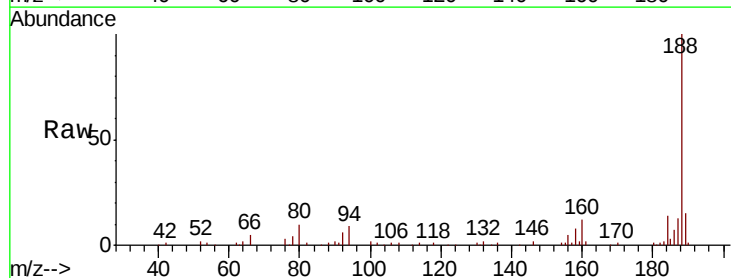
RT: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF117243.D

Acq: 25 Sep 2019 16:38

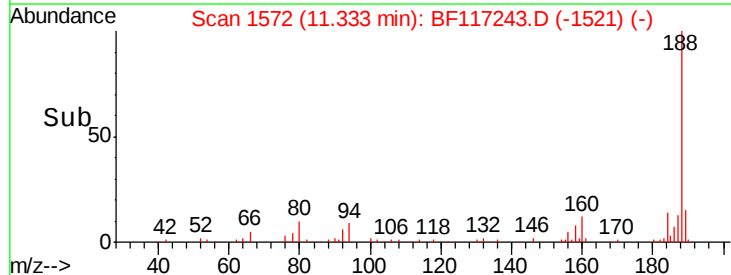
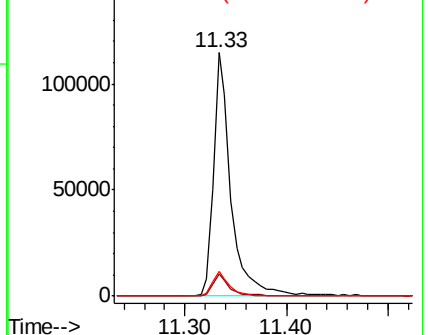
Tgt Ion:188	Resp:	137653
Ion Ratio	Lower	Upper
188	100	
94	9.3	8.2 12.2
80	10.3	9.0 13.6

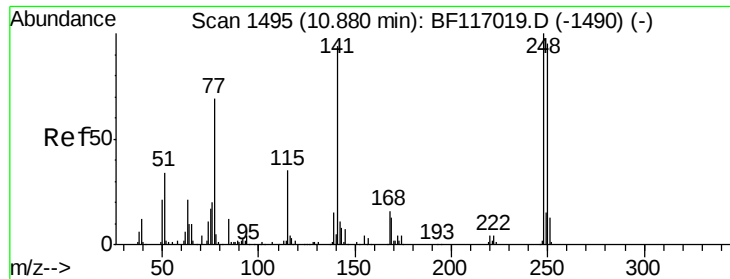


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

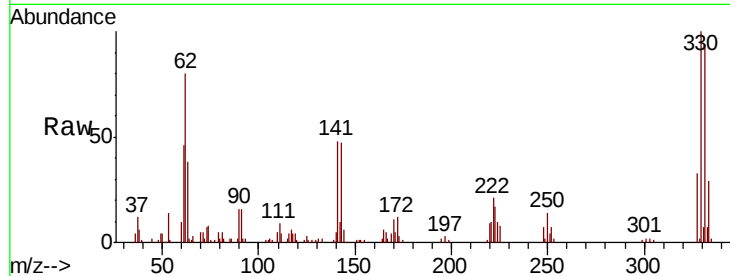




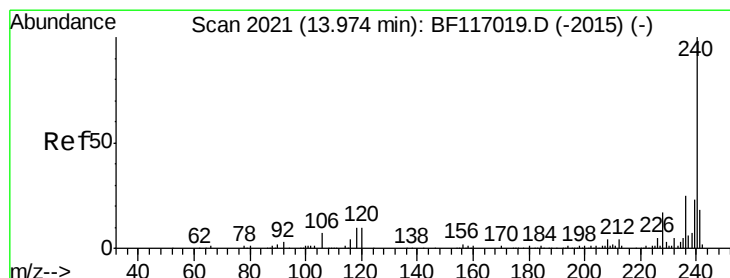
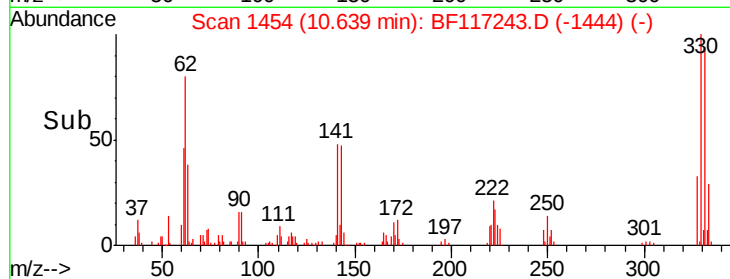
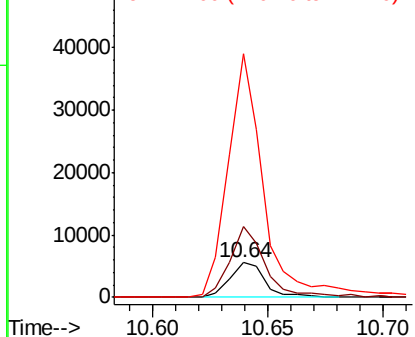
#67
 4-Bromophenyl-phenylether
 Concen: 4.143 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117243.D
 Acq: 25 Sep 2019 16:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 5824
 Ion Ratio Lower Upper
 248 100
 250 203.5 76.2 114.4#
 141 703.0 75.0 112.4#

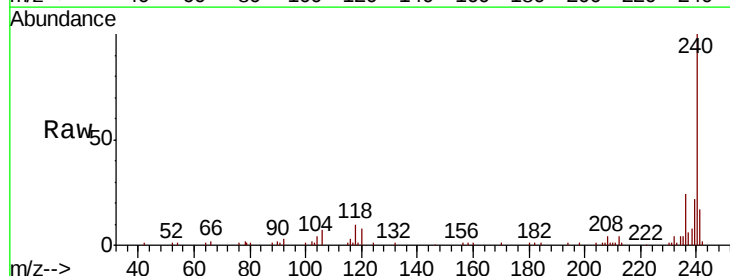


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

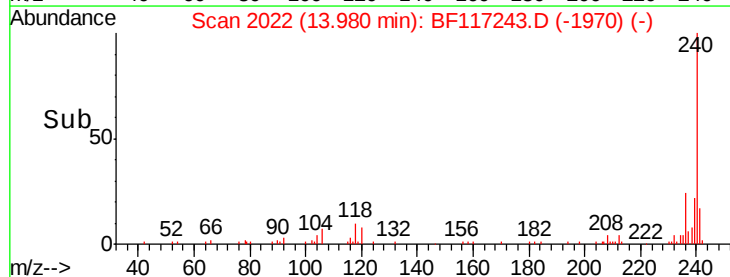
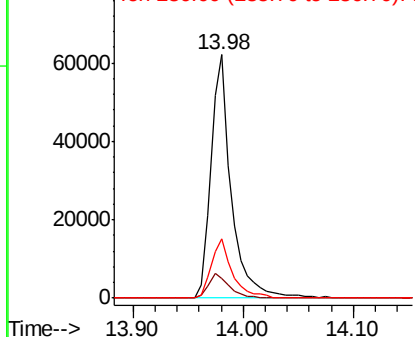


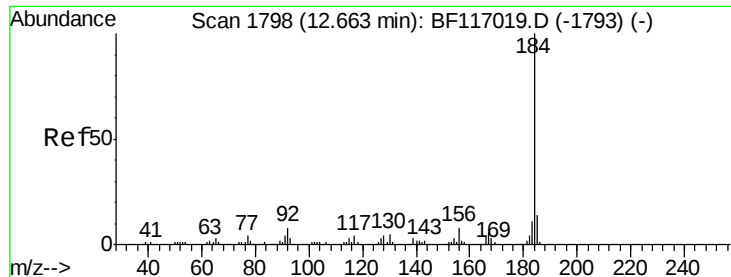
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.01 min
 Lab File: BF117243.D
 Acq: 25 Sep 2019 16:38

Tgt Ion:240 Resp: 77399
 Ion Ratio Lower Upper
 240 100
 120 8.2 8.3 12.5#
 236 24.4 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: 2.924 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.26 min

Lab File: BF117243.D

Acq: 25 Sep 2019 16:38

Instrument :

BNA_F

ClientSampleId :

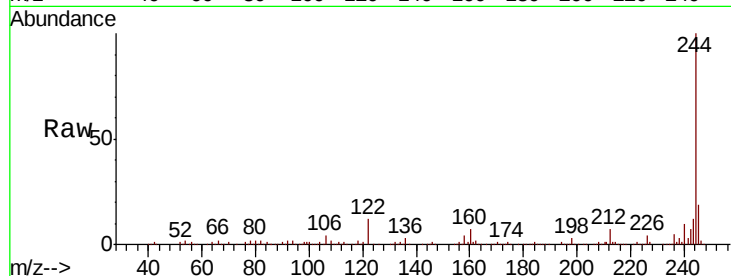
Tot Ion:184 Resp: 7290

Ion Ratio Lower Upper

184 100

185 14.8 11.6 17.4

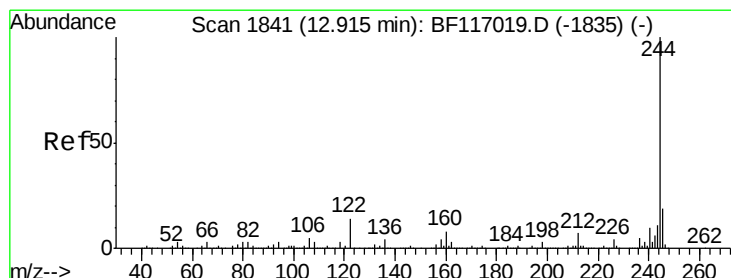
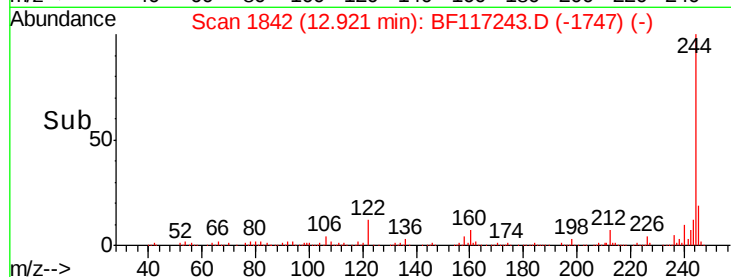
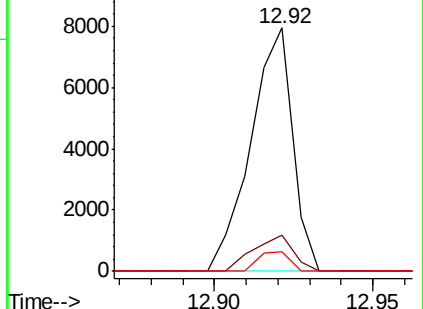
183 8.3 9.0 13.4#



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: 120.231 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF117243.D

Acq: 25 Sep 2019 16:38

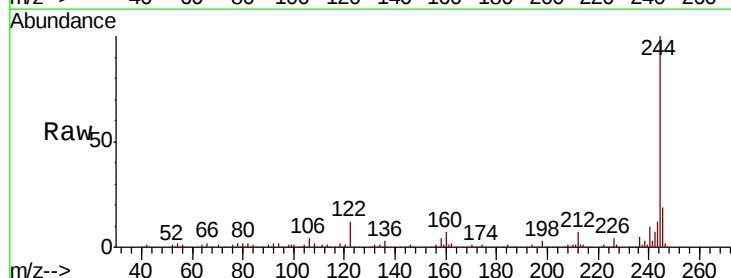
Tgt Ion:244 Resp: 497841

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

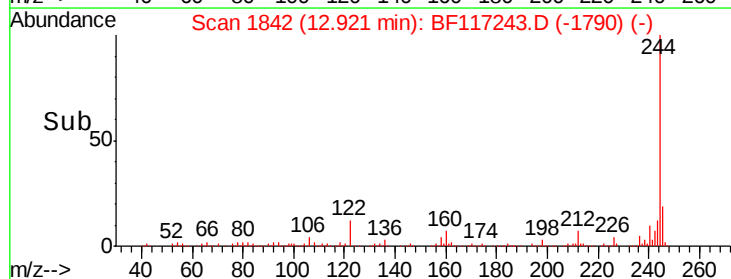
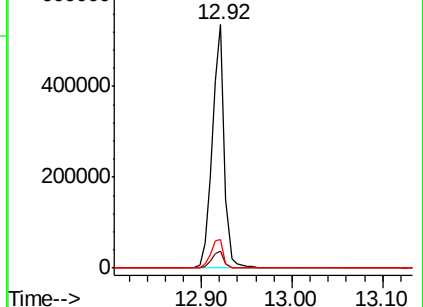
122 11.7 11.3 16.9

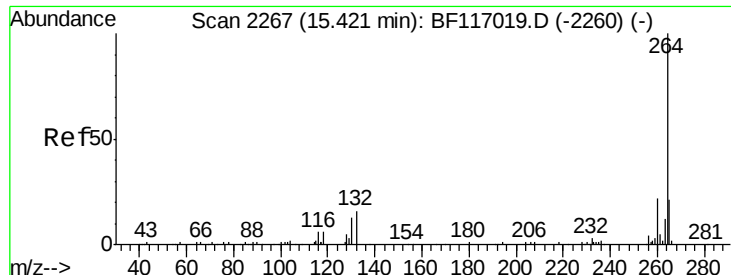


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

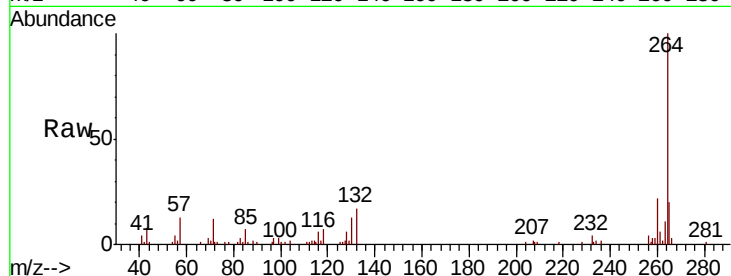




#87
 Pervlone-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117243.D
 Acq: 25 Sep 2019 16:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.5	17.6	26.4
265	20.3	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

