

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117144.D
 Acq On : 18 Sep 2019 13:26
 Operator : HP/JU
 Sample : PB123129TB
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:12:41 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	85702	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	347070	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	180632	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	300955	20.00	ng	0.00
76) Chrysene-d12	13.97	240	198744	20.00	ng	0.00
87) Perylene-d12	15.43	264	155902	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	647710	117.99	ng	0.02
7) Phenol-d6	6.46	99	868028	122.36	ng	0.00
23) Nitrobenzene-d5	7.39	82	556077	84.18	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	188152	124.63	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	991092	85.79	ng	0.00
79) Terphenyl-d14	12.92	244	973604	91.57	ng	0.00

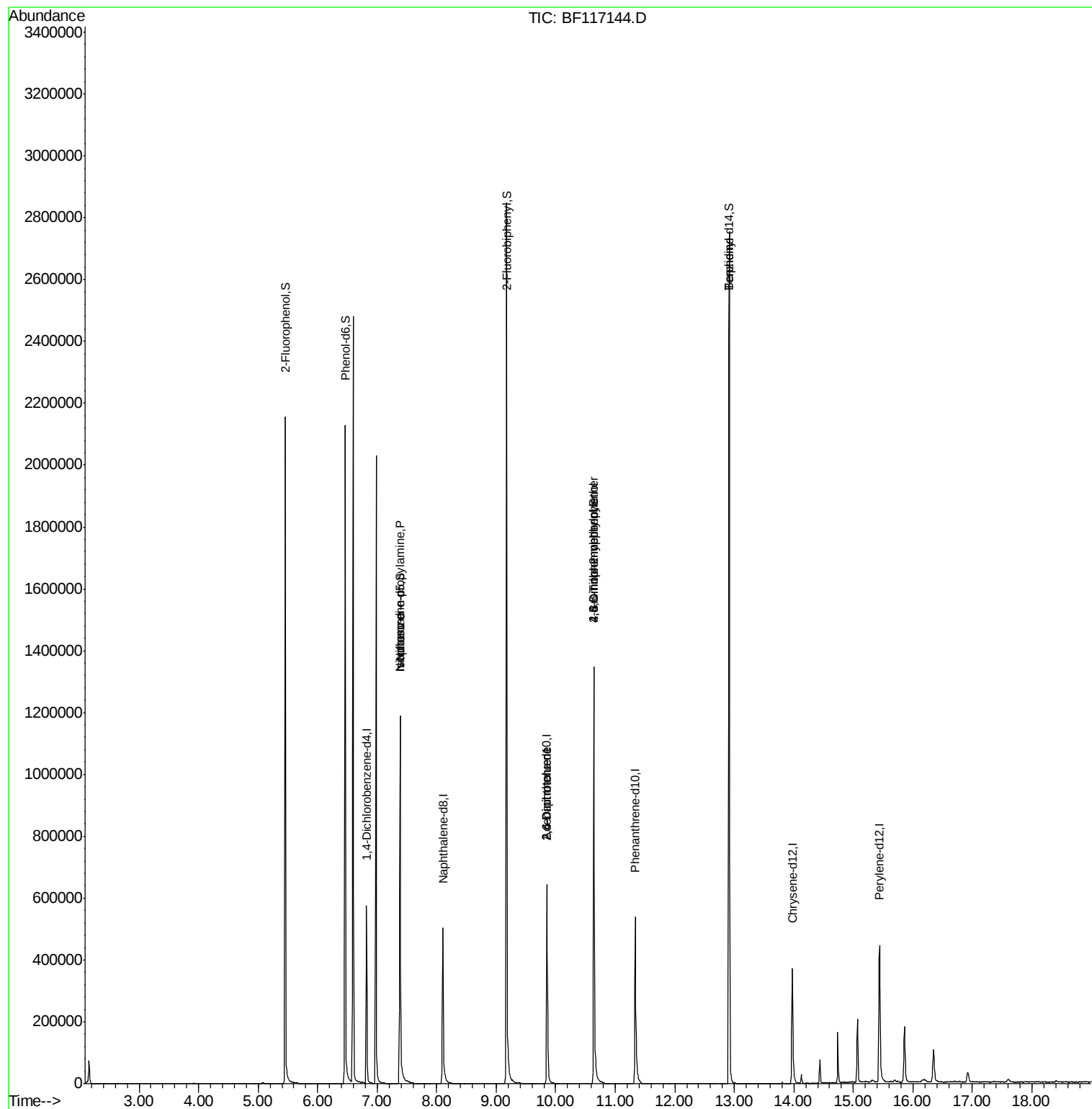
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	1109	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.39	70	73098	16.921	ng	# 77
25) Isophorone	7.39	82	546477	46.725	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	22882	8.784	ng	# 25
57) 2,4-Dinitrotoluene	9.85	165	22882	6.767	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.64	198	300	7.090	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	11744	3.821	ng	# 1
77) Benzydine	12.92	184	12897	2.015	ng	# 95

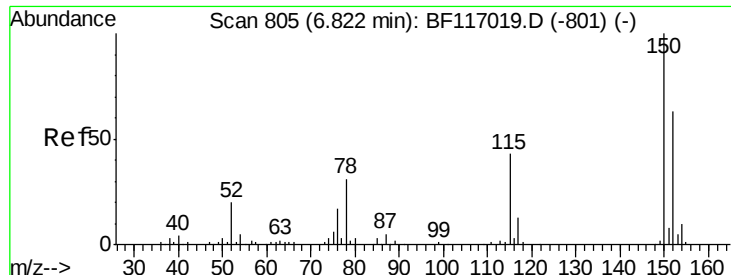
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
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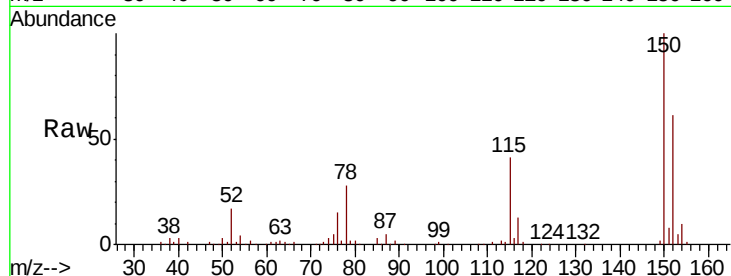


#1

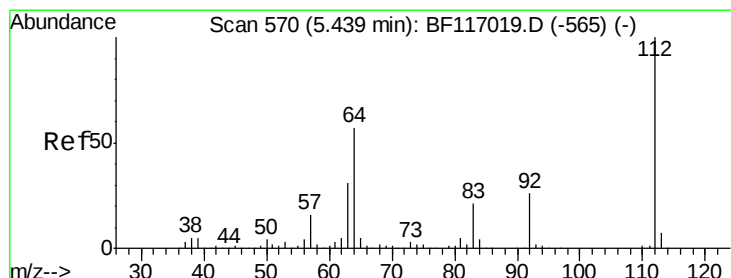
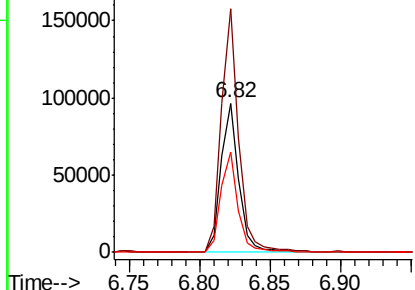
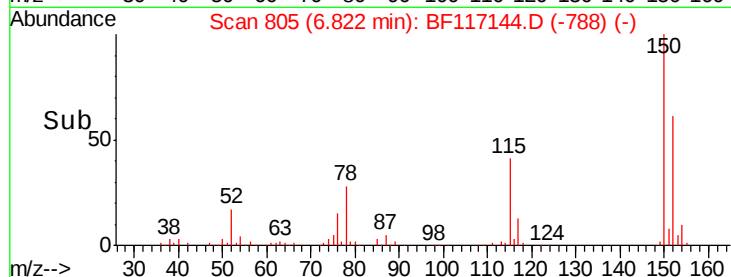
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117144.D
Acq: 18 Sep 2019 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 85702
Ion Ratio Lower Upper
152 100
150 163.5 127.5 191.3
115 67.4 55.0 82.4



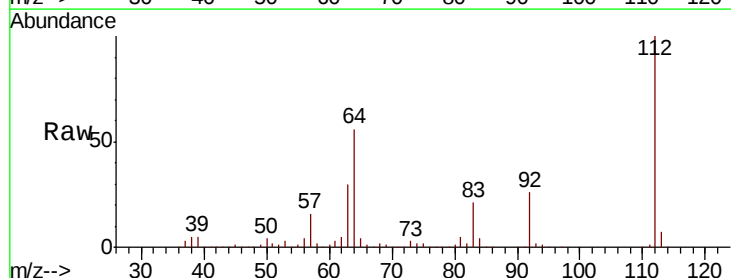
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



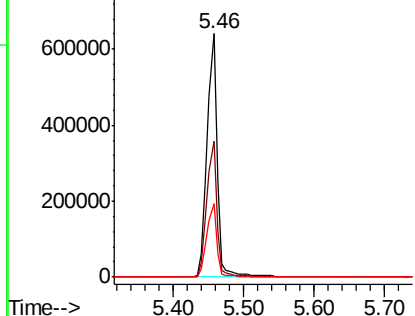
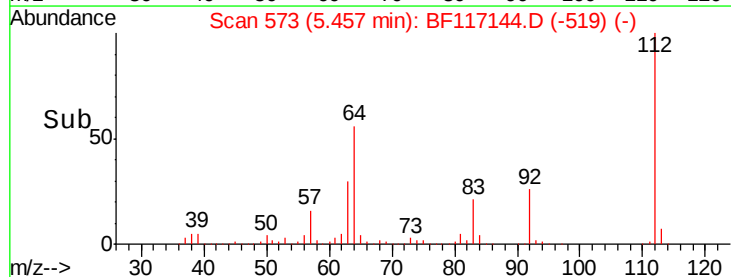
#5

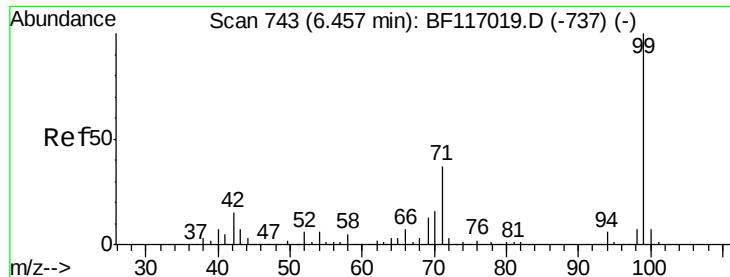
2-Fluorophenol
Concen: 117.994 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117144.D
Acq: 18 Sep 2019 13:26

Tgt Ion:112 Resp: 647710
Ion Ratio Lower Upper
112 100
64 55.8 45.7 68.5
63 30.3 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: 122.358 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117144.D

Acq: 18 Sep 2019 13:26

Instrument :

BNA_F

ClientSampleId :

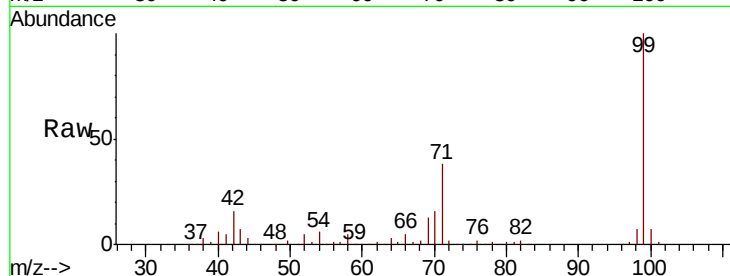
Tot Ion: 99 Resp: 868028

Ion Ratio Lower Upper

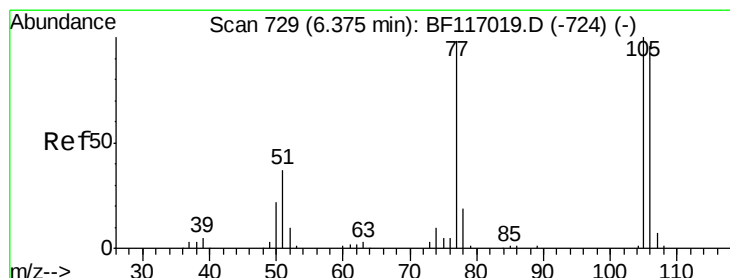
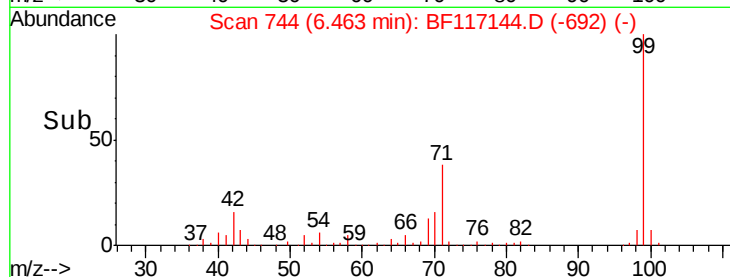
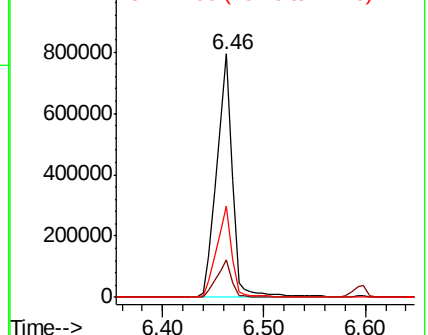
99 100

42 15.6 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: BF117144.D

Acq: 18 Sep 2019 13:26

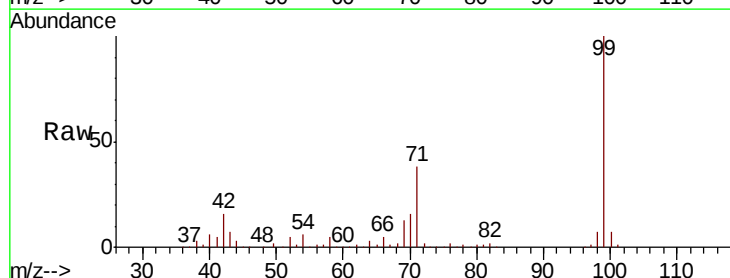
Tgt Ion: 77 Resp: 1109

Ion Ratio Lower Upper

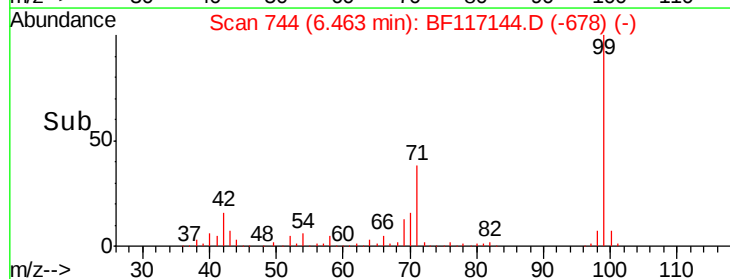
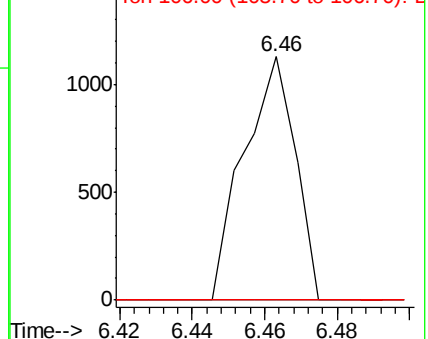
77 100

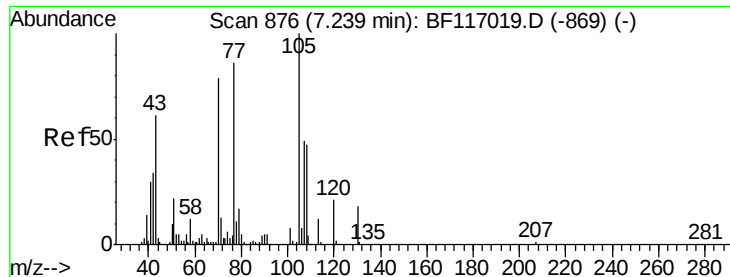
105 0.0 81.8 121.8#

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

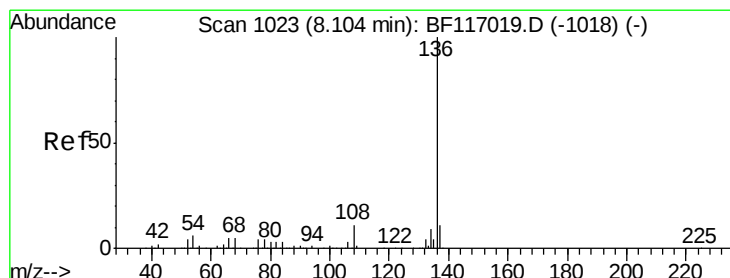
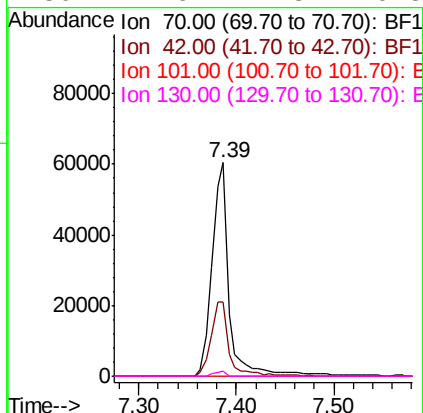
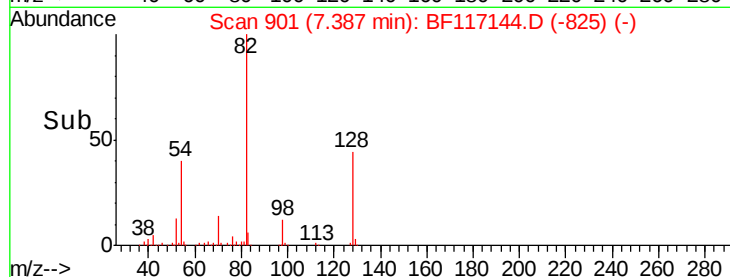
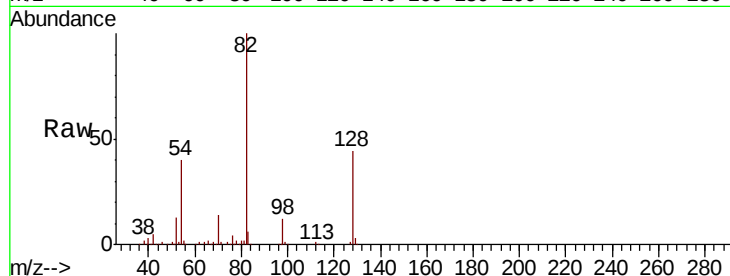




#19
n-Nitroso-di-n-propylamine
Concen: 16.921 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117144.D
Acq: 18 Sep 2019 13:26

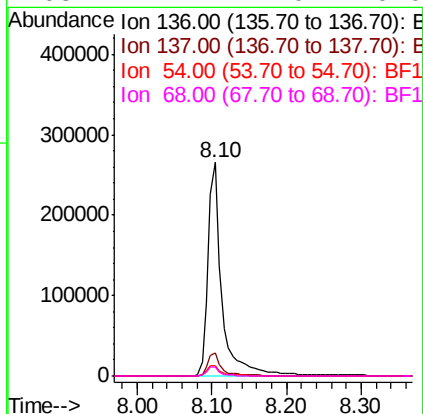
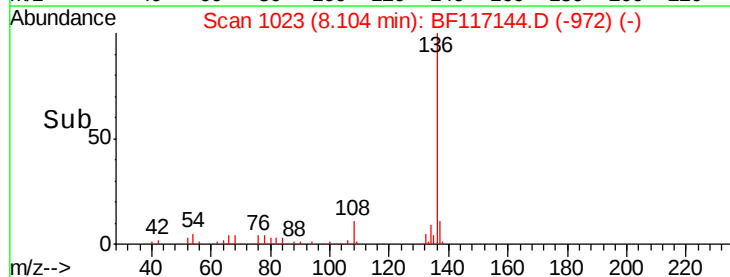
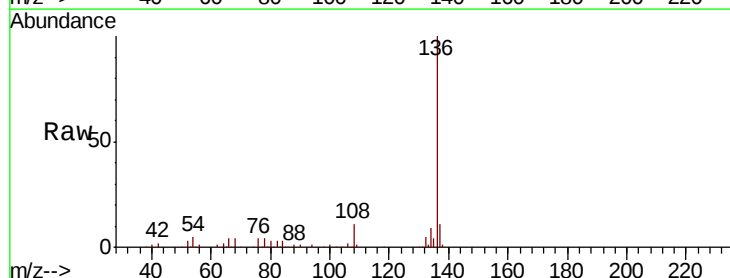
Instrument :
BNA_F
ClientSampleId :

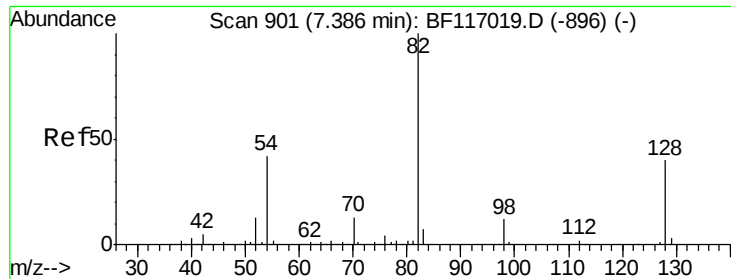
Tot Ion: 70 Resp: 73098
Ion Ratio Lower Upper
70 100
42 34.9 34.0 51.0
101 0.0 7.8 11.6#
130 2.6 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117144.D
Acq: 18 Sep 2019 13:26

Tgt Ion: 136 Resp: 347070
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 5.0 4.5 6.7
68 4.2 4.0 6.0

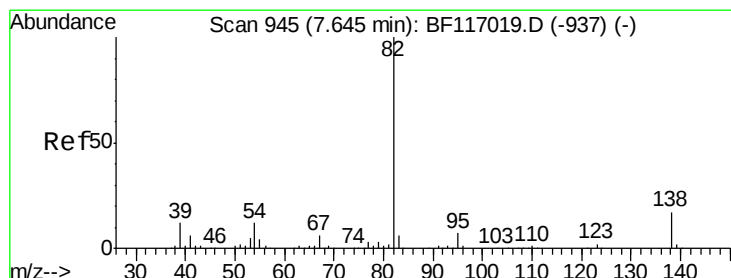
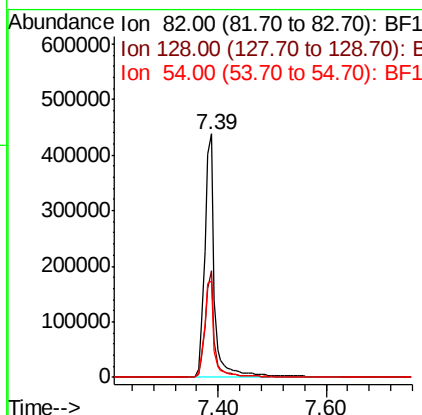
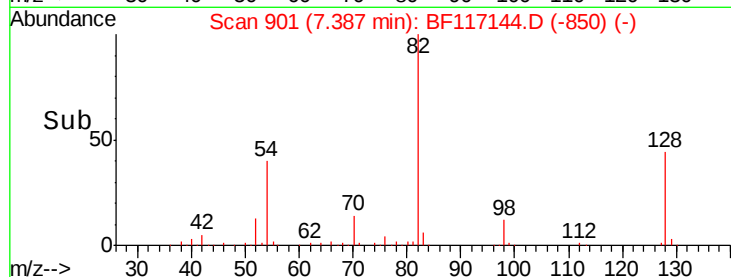
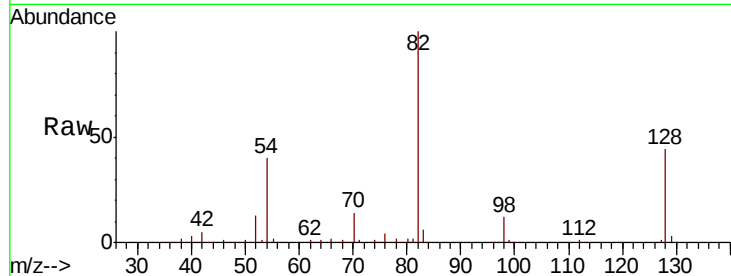




#23
Nitrobenzene-d5
Concen: 84.184 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117144.D
Acq: 18 Sep 2019 13:26

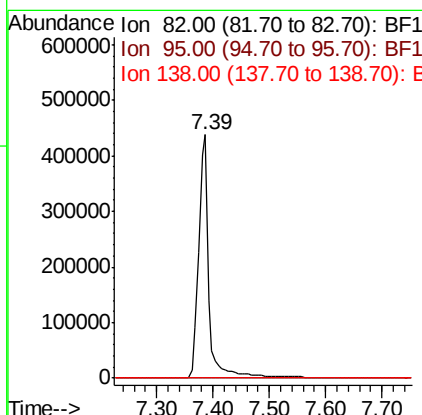
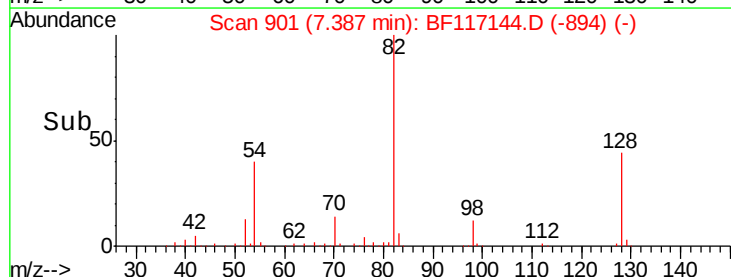
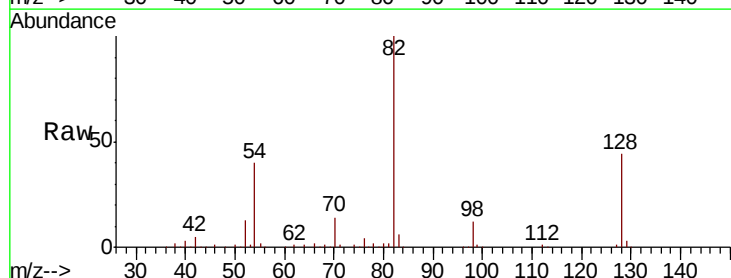
Instrument :
BNA_F
ClientSampled :

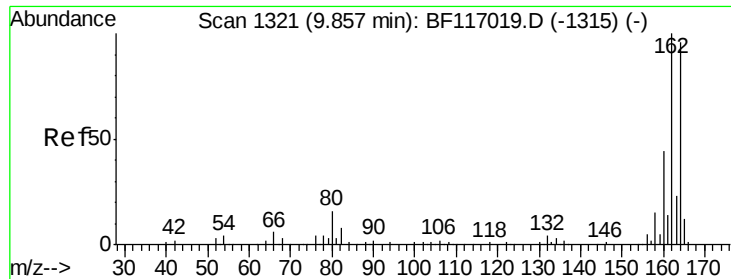
Tot Ion	82	Resp	556077
Ion Ratio	Lower	Upper	
82	100		
128	44.0	32.3	48.5
54	39.8	33.3	49.9



#25
Isophorone
Concen: 46.725 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF117144.D
Acq: 18 Sep 2019 13:26

Tgt Ion	82	Resp	546477
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# 1320

Delta R.T. -0.01 min

Lab File: BF117144.D

Acq: 18 Sep 2019 13:26

Instrument :

BNA_F

ClientSampleId :

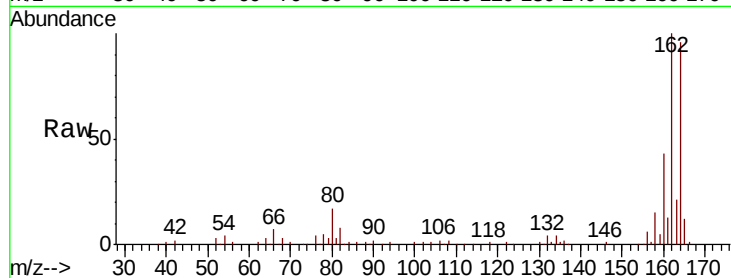
Tot Ion:164 Resp: 180632

Ion Ratio Lower Upper

164 100

162 104.5 83.4 125.2

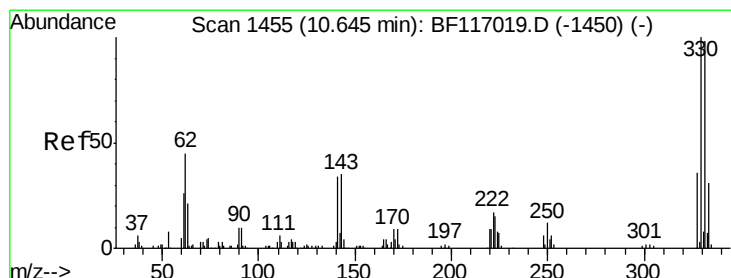
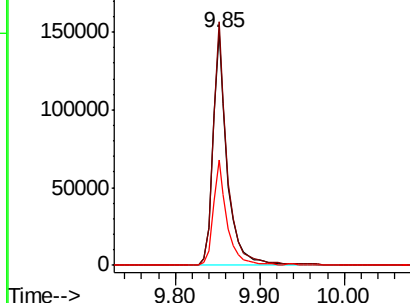
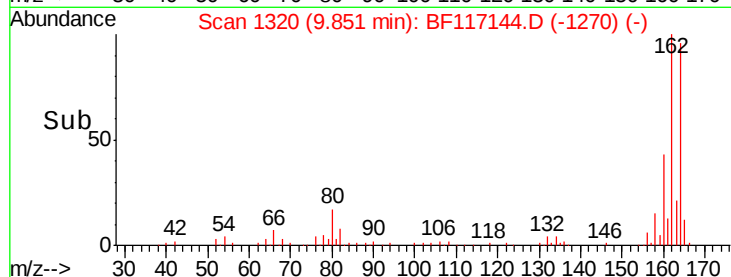
160 45.1 36.4 54.6



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: 124.631 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117144.D

Acq: 18 Sep 2019 13:26

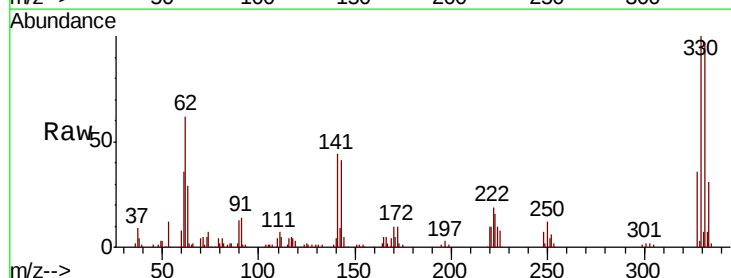
Tgt Ion:330 Resp: 188152

Ion Ratio Lower Upper

330 100

332 95.5 78.0 117.0

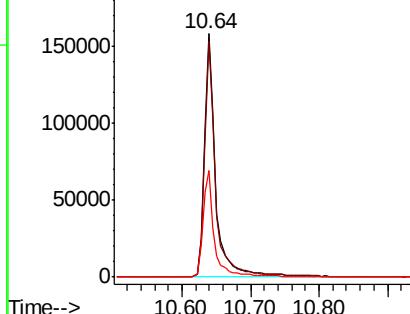
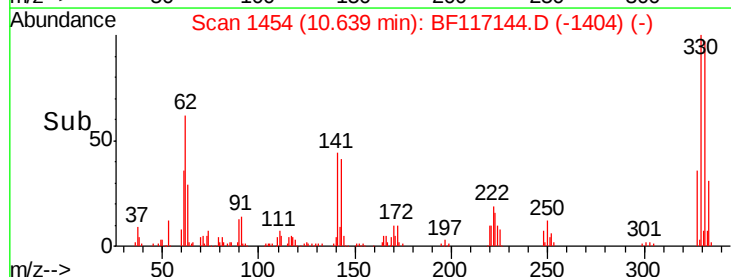
141 42.1 35.8 53.6

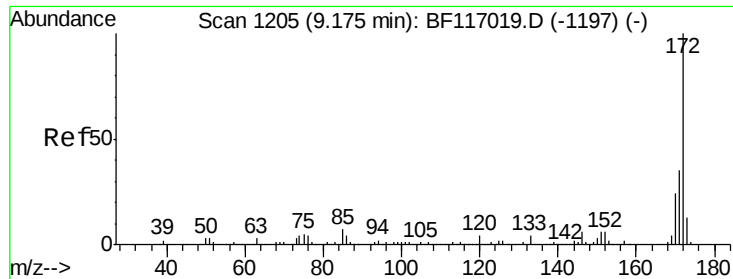


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

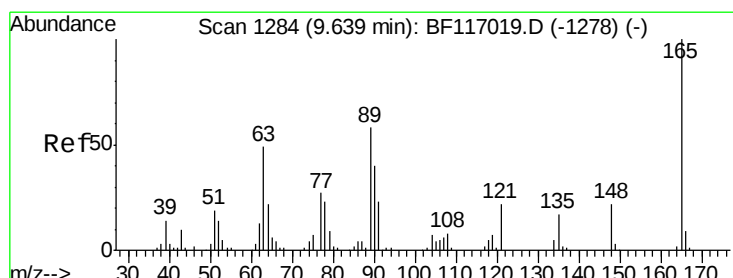
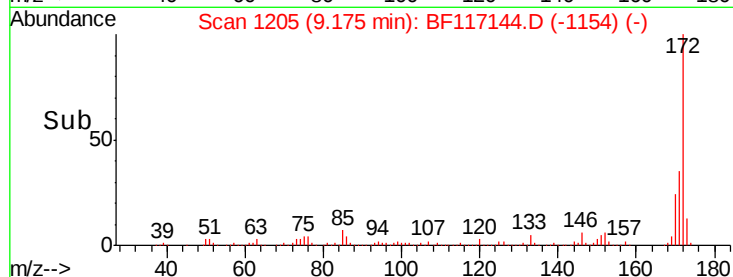
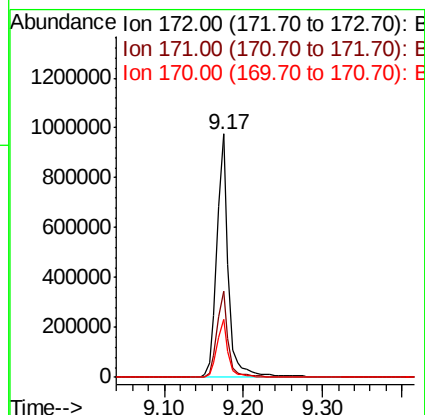
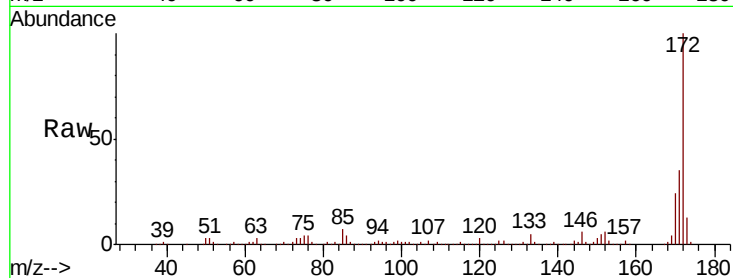




#45
 2-Fluorobiphenyl
 Concen: 85.790 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117144.D
 Acq: 18 Sep 2019 13:26

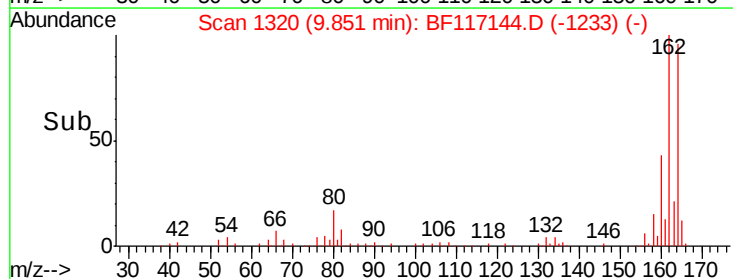
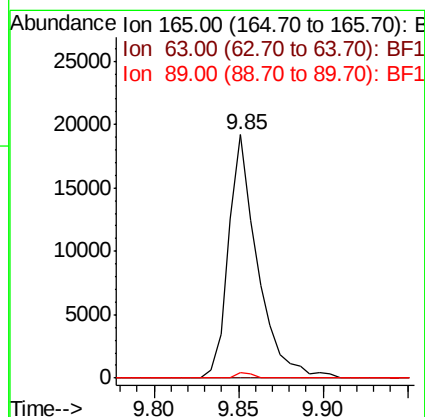
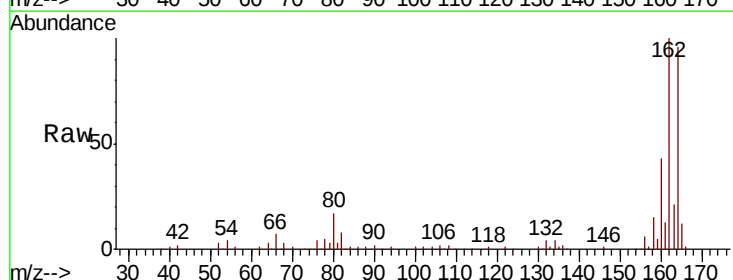
Instrument :
 BNA_F
 ClientSampleId :

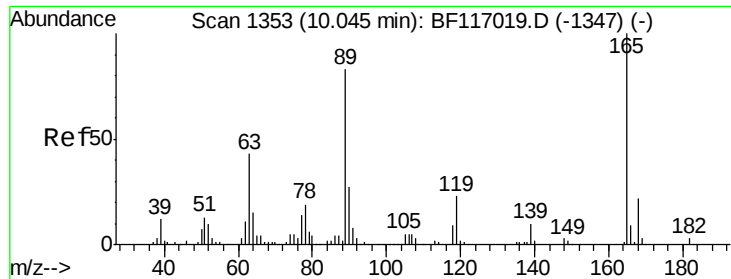
Tot Ion:172 Resp: 991092
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.2 42.2
 170 23.6 18.9 28.3



#51
 2,6-Dinitrotoluene
 Concen: 8.784 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117144.D
 Acq: 18 Sep 2019 13:26

Tgt Ion:165 Resp: 22882
 Ion Ratio Lower Upper
 165 100
 63 0.0 41.8 62.8#
 89 2.1 46.5 69.7#

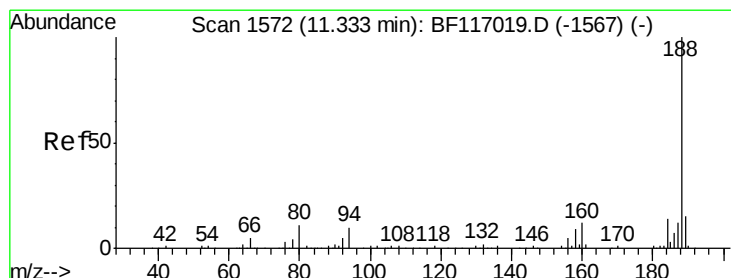
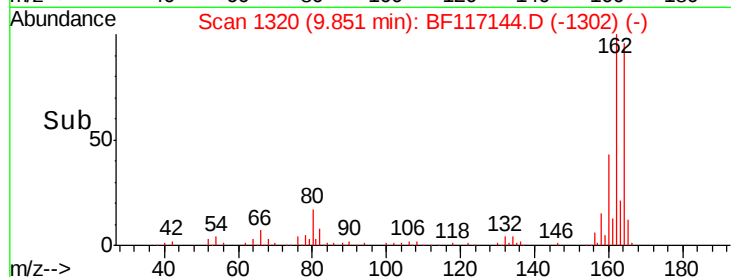
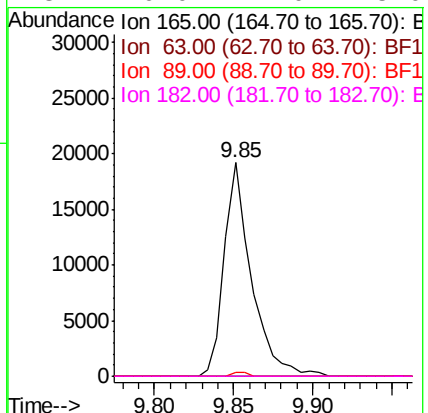
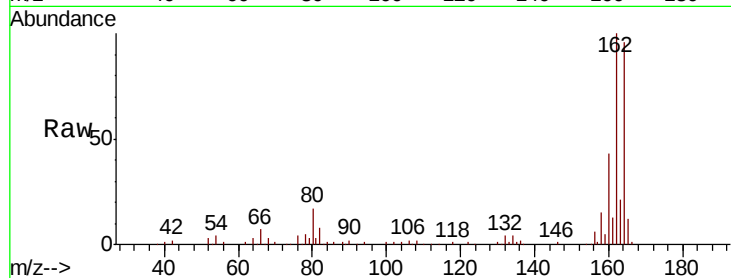




#57
 2,4-Dinitrotoluene
 Concen: 6.767 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117144.D
 Acq: 18 Sep 2019 13:26

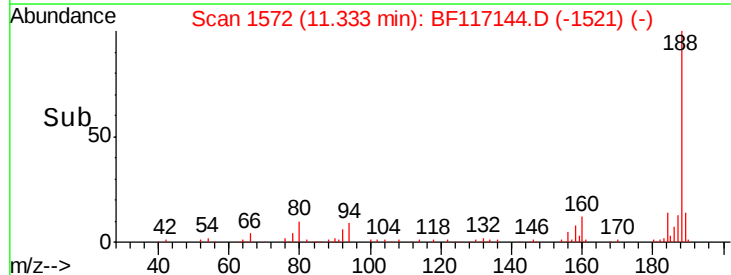
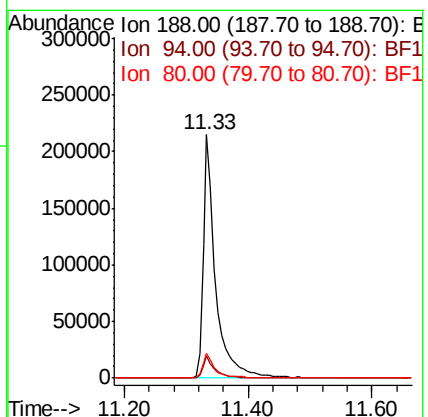
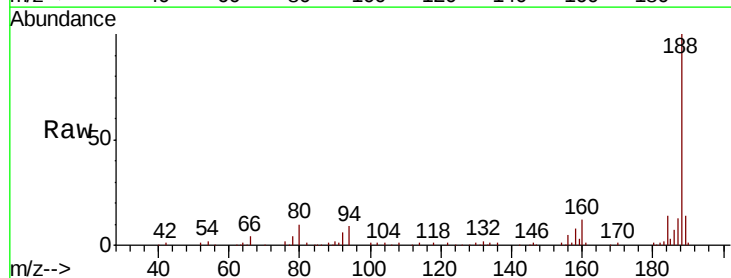
Instrument :
 BNA_F
 ClientSampleId :

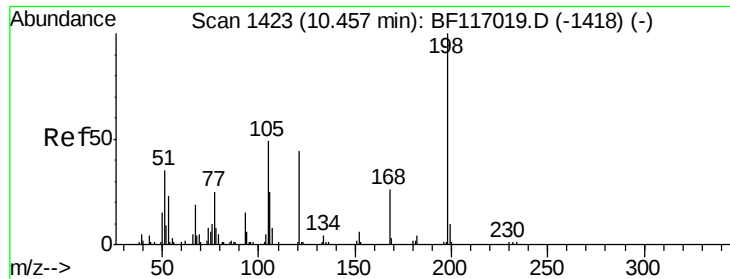
Tot Ion:165	Resp:	22882
Ion Ratio	Lower	Upper
165	100	
63	0.0	35.0 52.4#
89	2.1	66.1 99.1#
182	0.0	2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117144.D
 Acq: 18 Sep 2019 13:26

Tgt Ion:188	Resp:	300955
Ion Ratio	Lower	Upper
188	100	
94	8.9	8.2 12.2
80	10.4	9.0 13.6

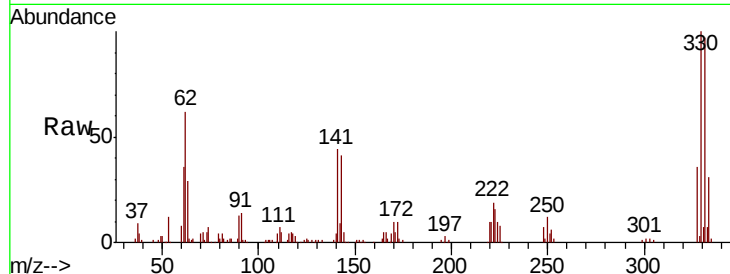




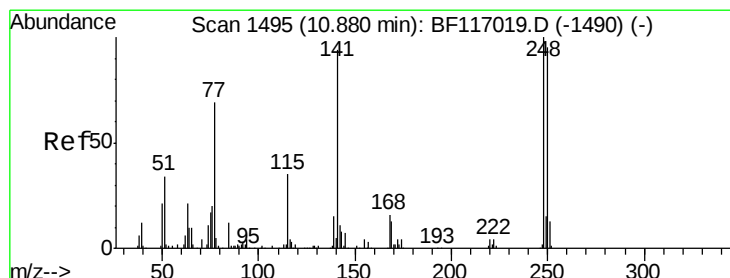
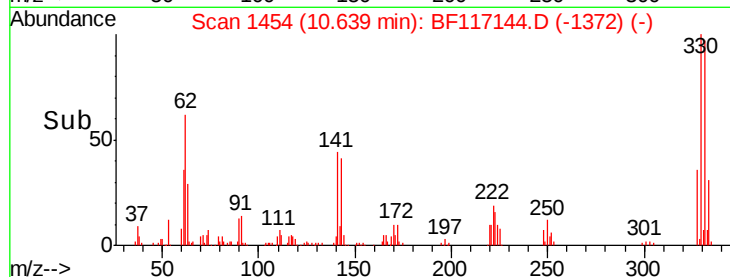
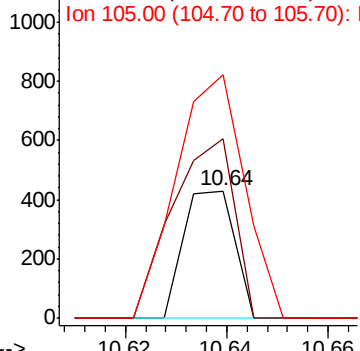
#65
4,6-Dinitro-2-methylphenol
Concen: 7.090 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF117144.D
Acq: 18 Sep 2019 13:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 300
Ion Ratio Lower Upper
198 100
51 141.3 18.7 58.7#
105 191.6 30.2 70.2#

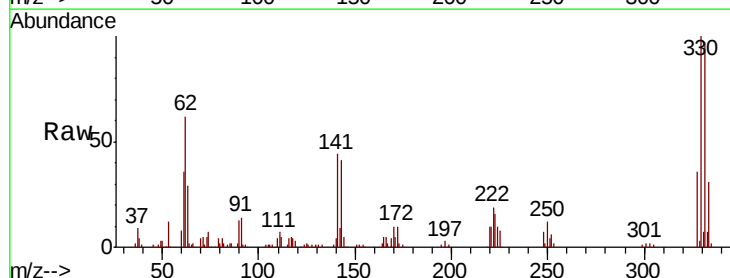


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

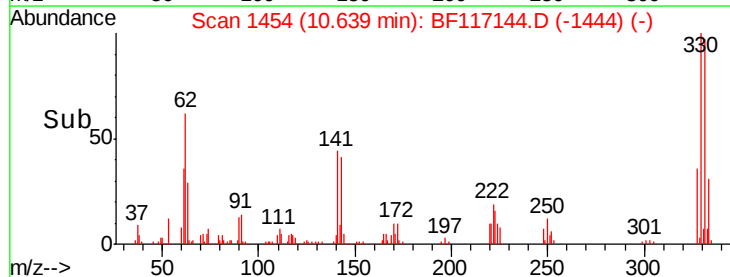
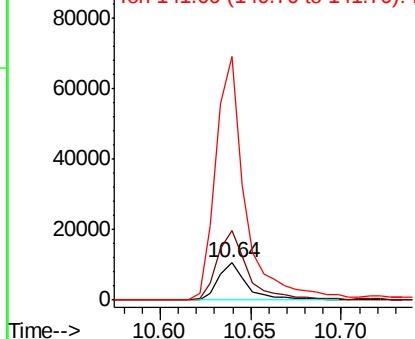


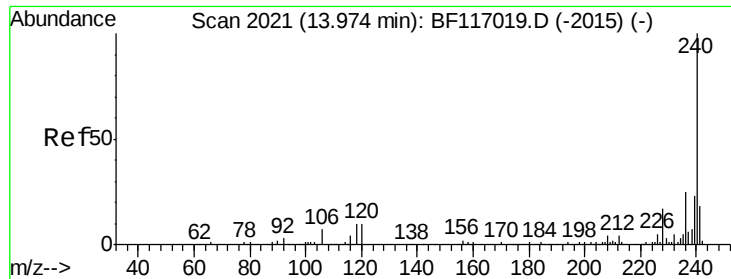
#67
4-Bromophenyl-phenylether
Concen: 3.821 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117144.D
Acq: 18 Sep 2019 13:26

Tgt Ion:248 Resp: 11744
Ion Ratio Lower Upper
248 100
250 188.5 76.2 114.4#
141 657.0 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

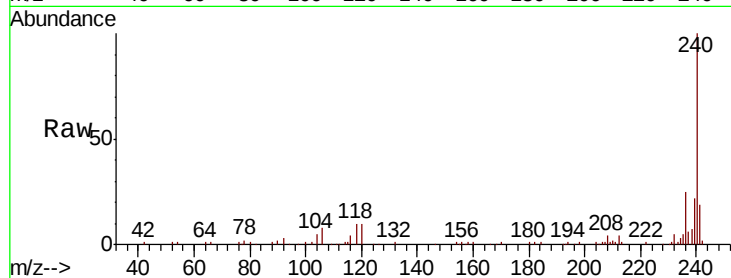




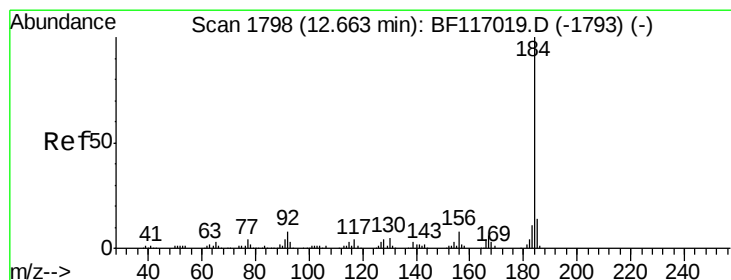
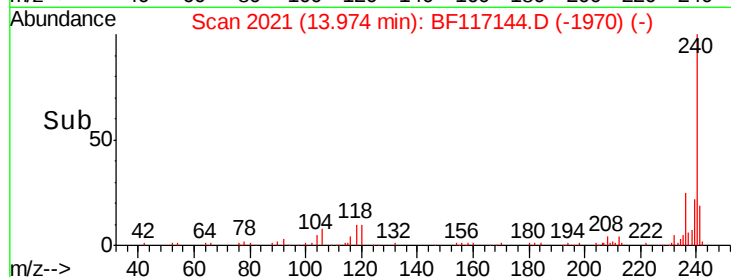
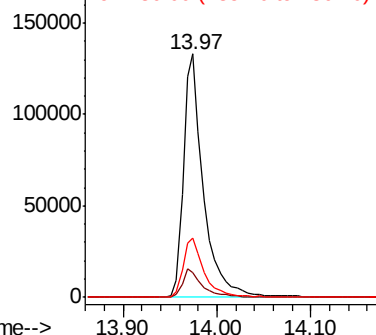
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117144.D
Acq: 18 Sep 2019 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 198744
Ion Ratio Lower Upper
240 100
120 10.1 8.3 12.5
236 24.6 20.3 30.5

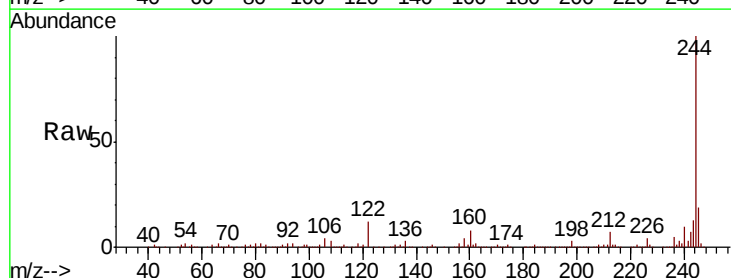


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

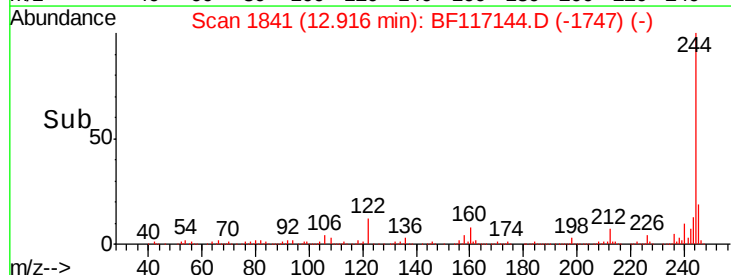
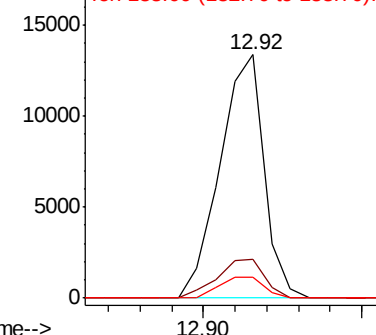


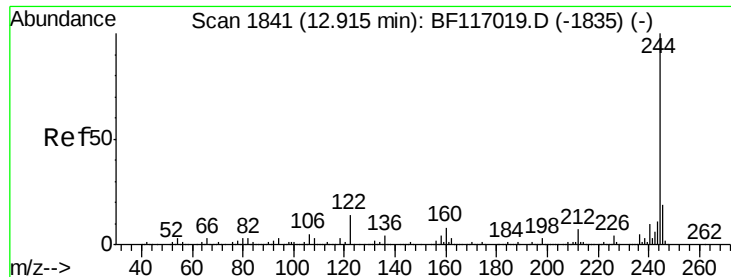
#77
Benzidine
Concen: 2.015 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.25 min
Lab File: BF117144.D
Acq: 18 Sep 2019 13:26

Tgt Ion:184 Resp: 12897
Ion Ratio Lower Upper
184 100
185 16.0 11.6 17.4
183 8.6 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: 91.569 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117144.D

Acq: 18 Sep 2019 13:26

Instrument :

BNA_F

ClientSampleId :

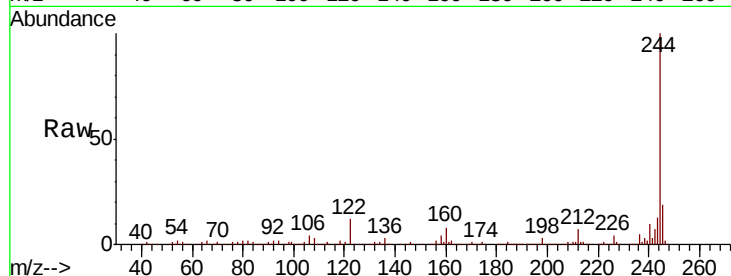
Tot Ion:244 Resp: 973604

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

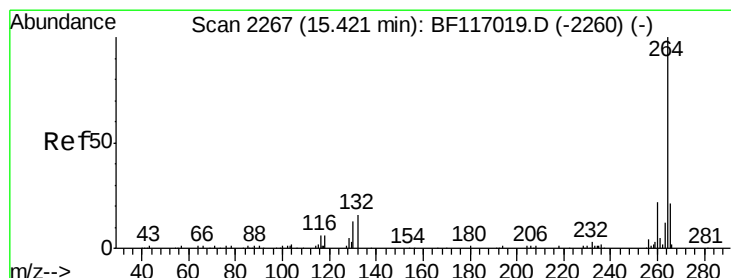
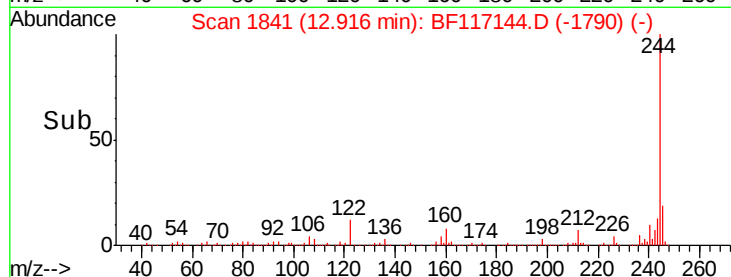
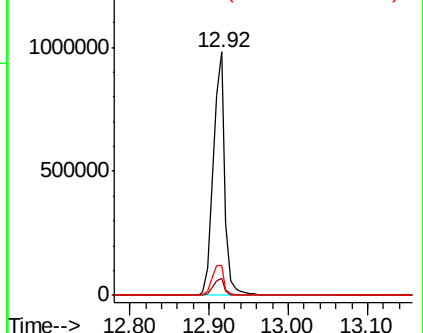
122 12.4 11.3 16.9



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: 15.43 min Scan# 2269

Delta R.T. 0.01 min

Lab File: BF117144.D

Acq: 18 Sep 2019 13:26

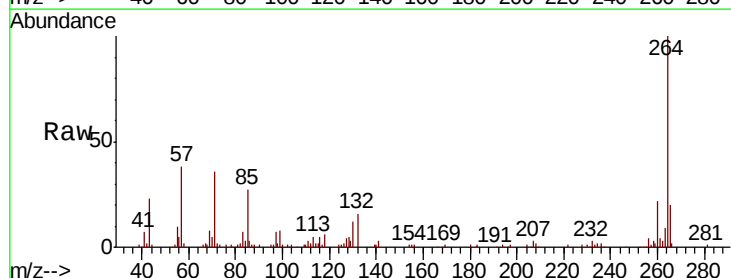
Tgt Ion:264 Resp: 155902

Ion Ratio Lower Upper

264 100

260 21.6 17.6 26.4

265 19.9 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

