

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101619\
 Data File : BF117414.D
 Acq On : 16 Oct 2019 15:33
 Operator : JU
 Sample : PB123985BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB123985BL

Quant Time: Oct 17 01:00:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 14 19:03:29 2019
 Response via : Initial Calibration

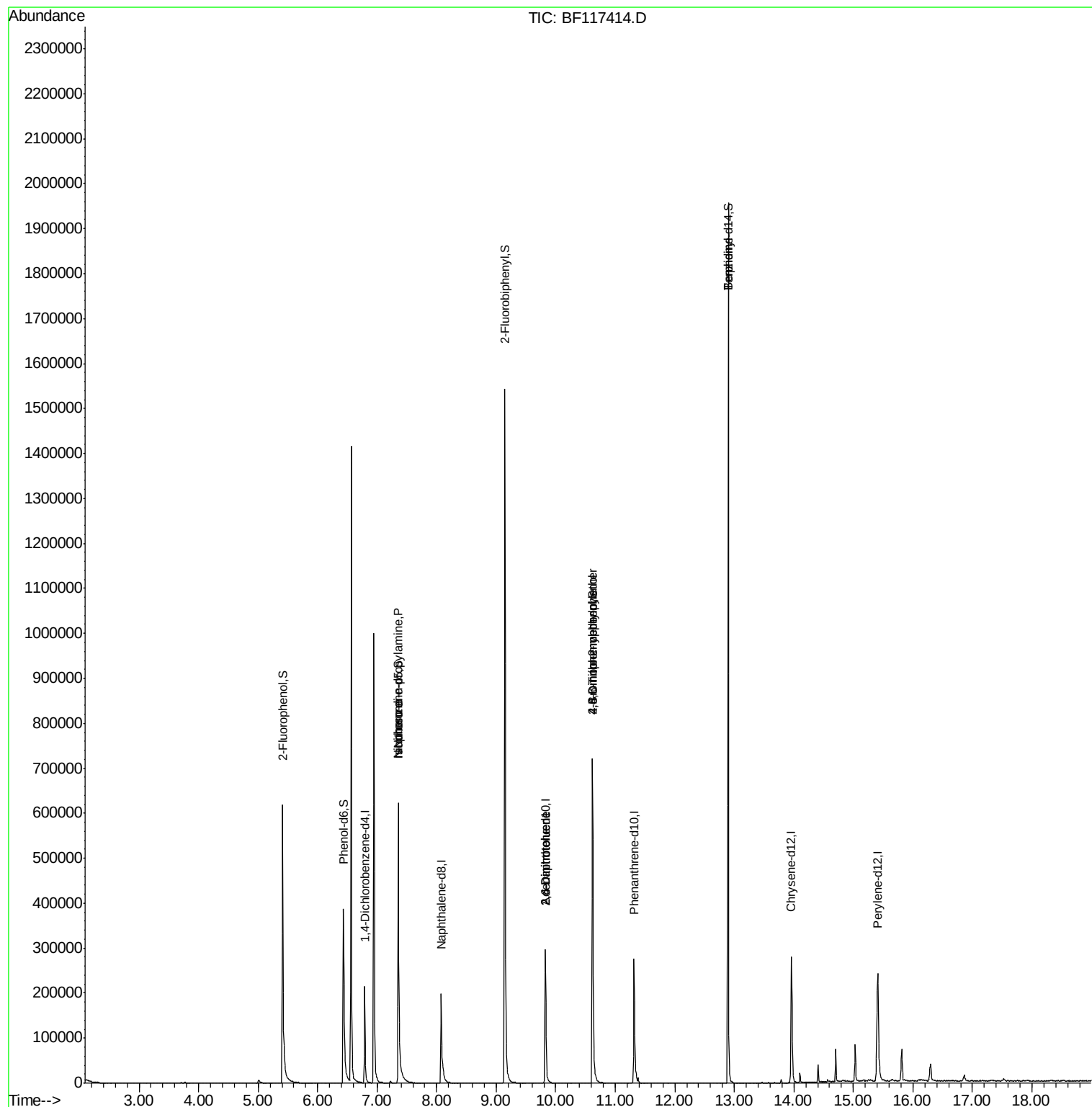
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	40649	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	169561	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	88922	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	157086	20.00	ng	0.00
76) Chrysene-d12	13.96	240	136364	20.00	ng	0.00
87) Perylene-d12	15.42	264	139992	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	237635	89.95	ng	0.00
7) Phenol-d6	6.43	99	219879	62.73	ng	0.00
23) Nitrobenzene-d5	7.36	82	307455	91.91	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	101147	139.76	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	537464	88.12	ng	0.00
79) Terphenyl-d14	12.90	244	657518	78.60	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	39967	17.882	ng	# 76
25) Isophorone	7.36	82	307473	51.600	ng	# 67
51) 2,6-Dinitrotoluene	9.83	165	10892	8.114	ng	# 21
57) 2,4-Dinitrotoluene	9.83	165	10892	6.150	ng	# 12
65) 4,6-Dinitro-2-methylphenol	10.62	198	116	5.315	ng	# 1
67) 4-Bromophenyl-phenylether	10.62	248	6718	3.899	ng	# 1
77) Benzidine	12.90	184	8618	2.555	ng	96

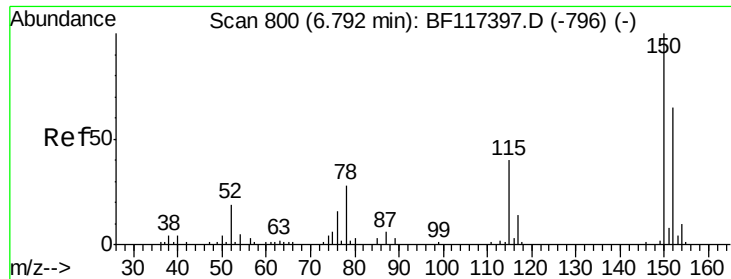
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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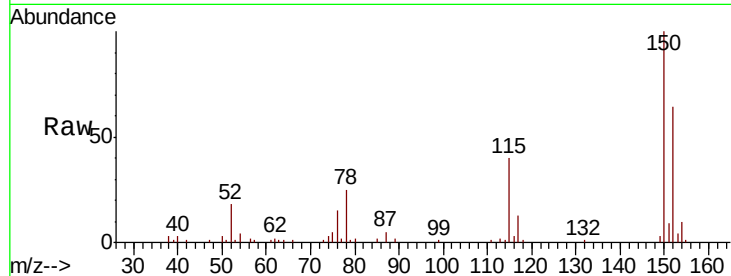


#1

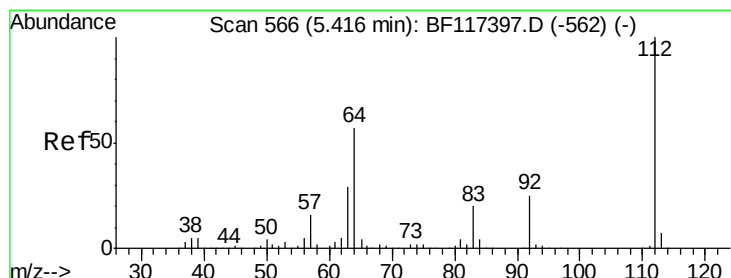
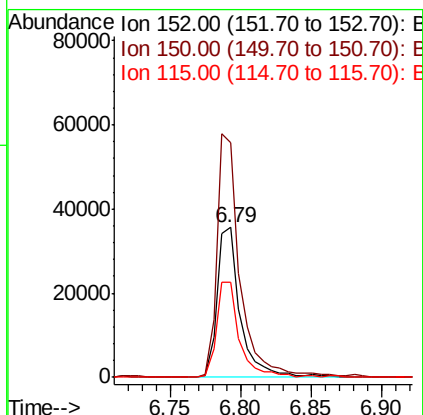
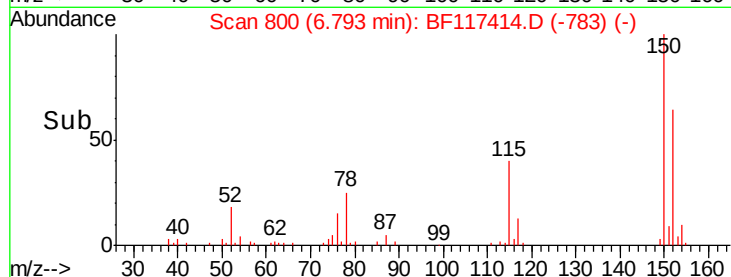
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF117414.D
 Acq: 16 Oct 2019 15:33

Instrument :
 BNA_F
 ClientSampleId :
 PB123985BL

Tot Ion:152 Resp: 40649
 Ion Ratio Lower Upper
 152 100
 150 156.7 122.7 184.1
 115 63.5 48.6 73.0



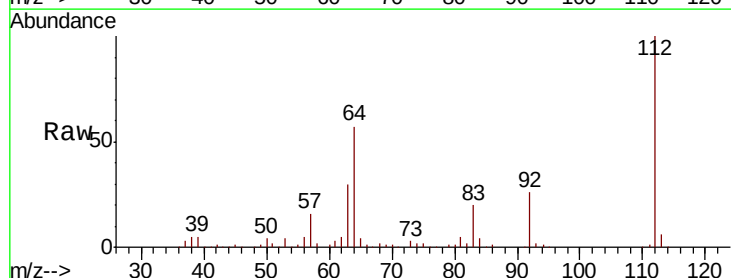
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



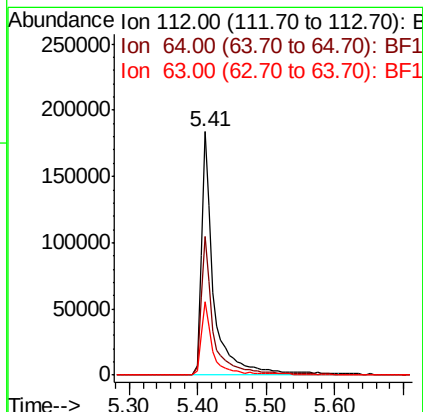
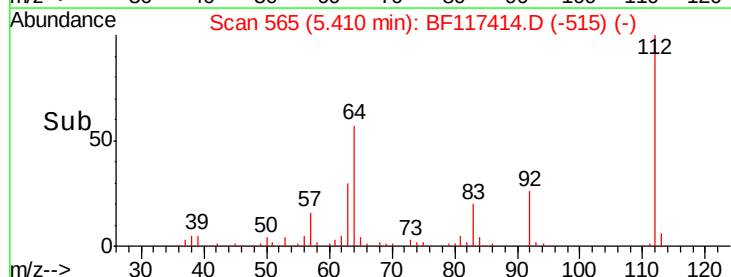
#5

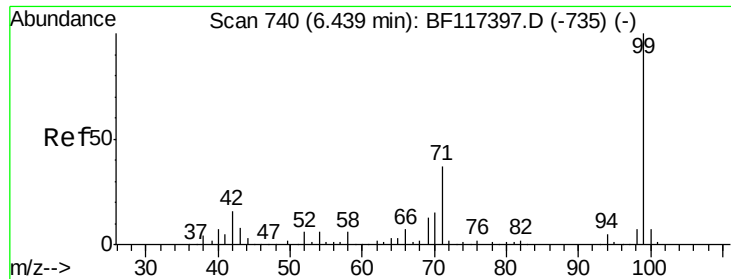
2-Fluorophenol
 Concen: 89.949 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF117414.D
 Acq: 16 Oct 2019 15:33

Tgt Ion:112 Resp: 237635
 Ion Ratio Lower Upper
 112 100
 64 57.1 45.2 67.8
 63 30.2 23.4 35.2



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: 62.728 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF117414.D

Acq: 16 Oct 2019 15:33

Instrument :

BNA_F

ClientSampleId :

PB123985BL

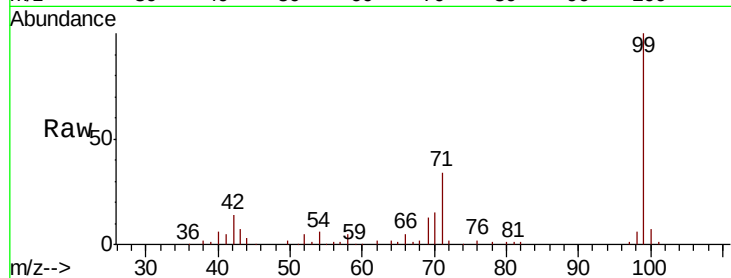
Tot Ion: 99 Resp: 219879

Ion Ratio Lower Upper

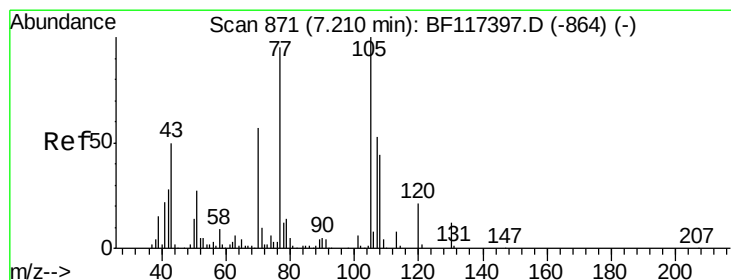
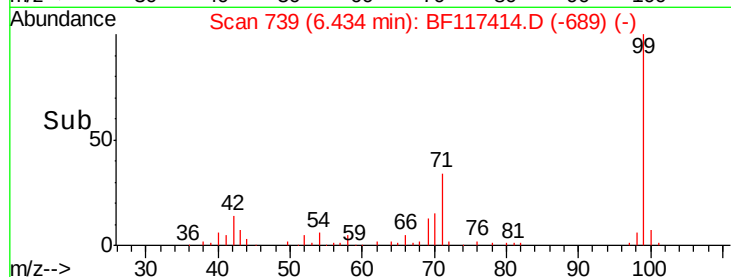
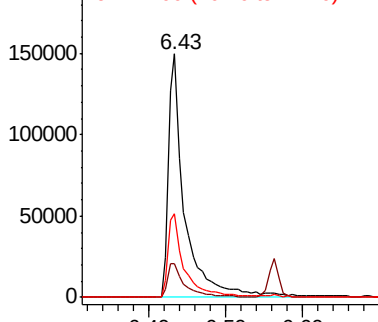
99 100

42 13.9 12.5 18.7

71 34.5 29.2 43.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.882 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF117414.D

Acq: 16 Oct 2019 15:33

Tgt Ion: 70 Resp: 39967

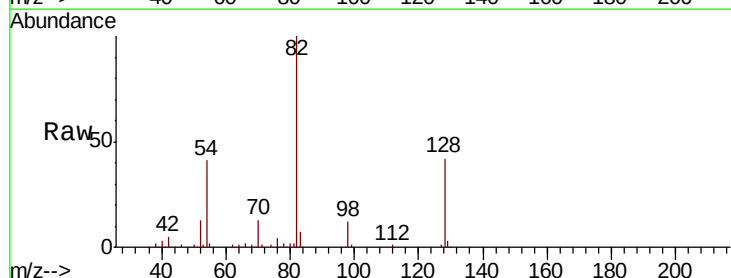
Ion Ratio Lower Upper

70 100

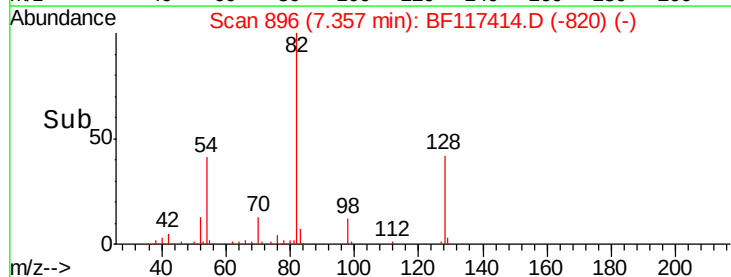
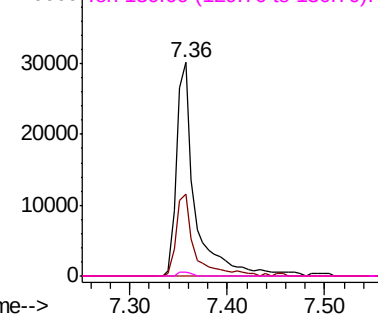
42 38.2 39.8 59.8#

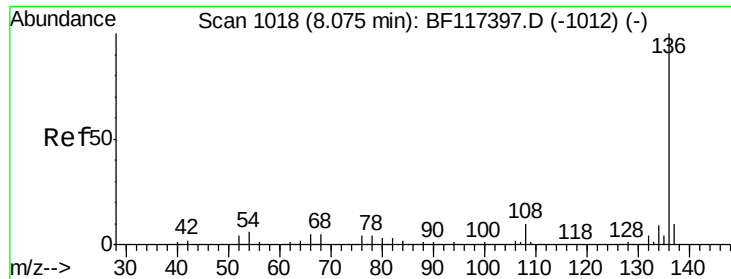
101 0.0 8.1 12.1#

130 1.7 16.4 24.6#



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

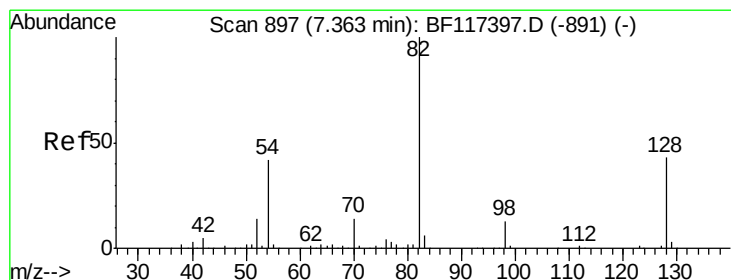
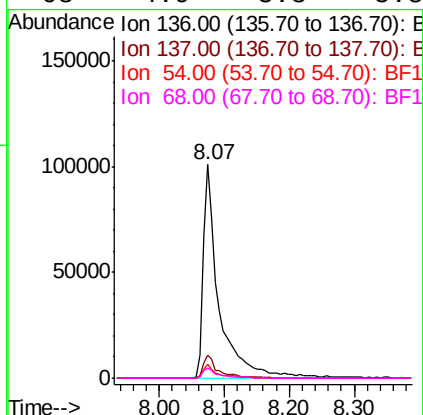
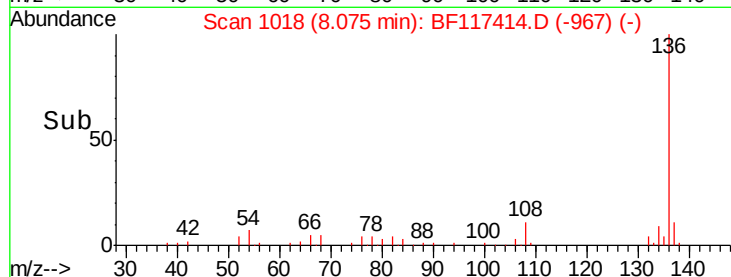
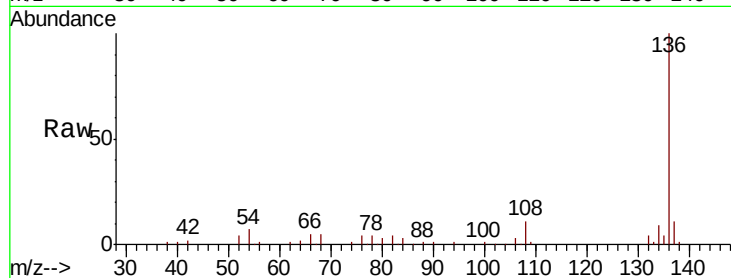




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF117414.D
Acq: 16 Oct 2019 15:33

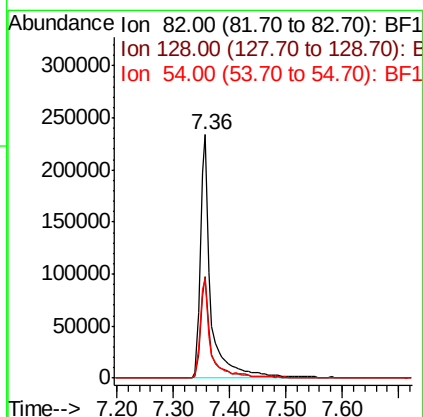
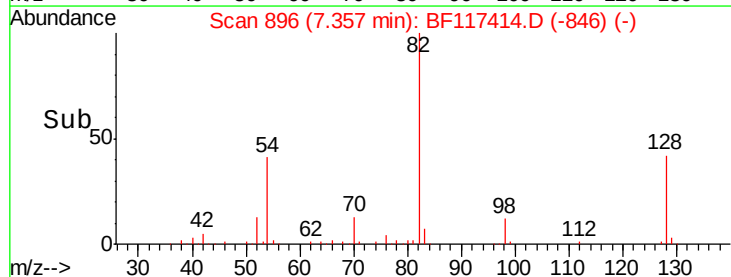
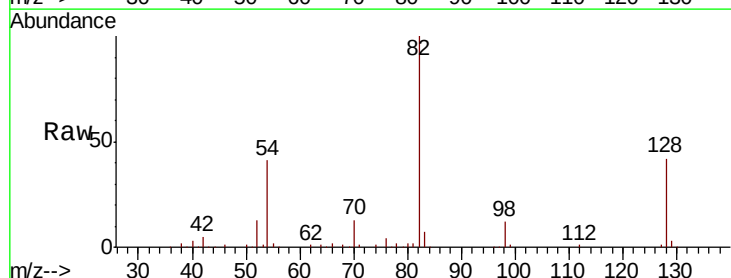
Instrument :
BNA_F
ClientSampleId :
PB123985BL

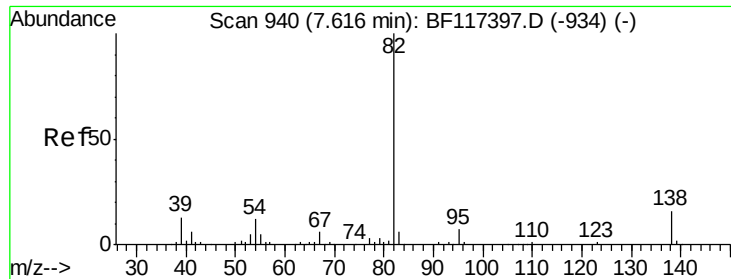
Tot Ion:136	Resp:	169561
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.4 12.6
54	6.9	4.6 6.8#
68	4.9	3.8 5.8



#23
Nitrobenzene-d5
Concen: 91.914 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117414.D
Acq: 16 Oct 2019 15:33

Tgt Ion: 82	Resp:	307455
Ion Ratio	Lower	Upper
82	100	
128	41.6	34.1 51.1
54	40.7	33.3 49.9





#25

Isophorone

Concen: 51.600 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF117414.D

Acq: 16 Oct 2019 15:33

Instrument :

BNA_F

ClientSampleId :

PB123985BL

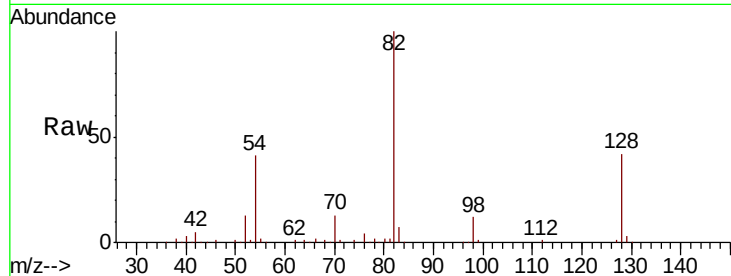
Tot Ion: 82 Resp: 307473

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

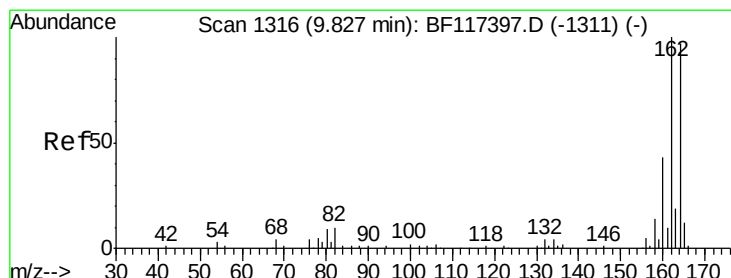
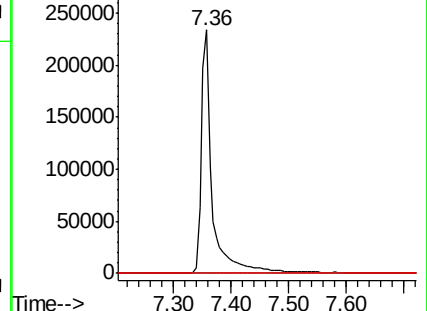
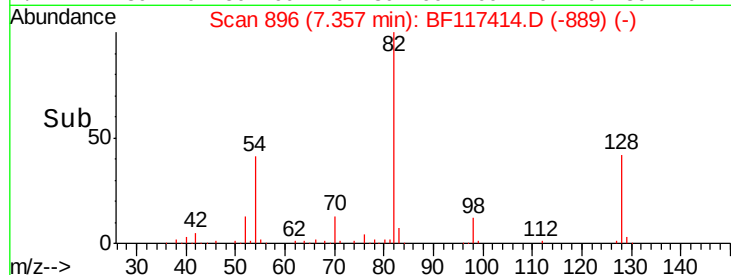
138 0.0 13.0 19.4#



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: 9.83 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BF117414.D

Acq: 16 Oct 2019 15:33

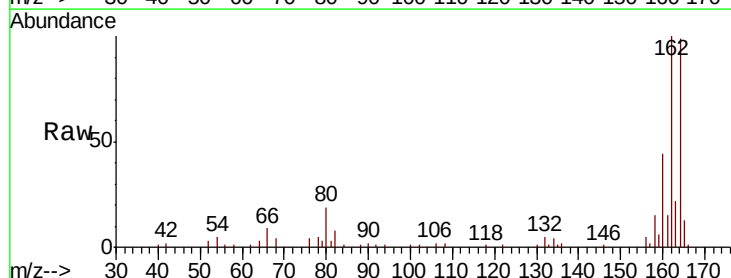
Tgt Ion: 164 Resp: 88922

Ion Ratio Lower Upper

164 100

162 101.0 82.4 123.6

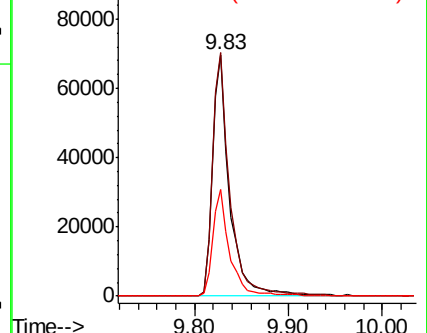
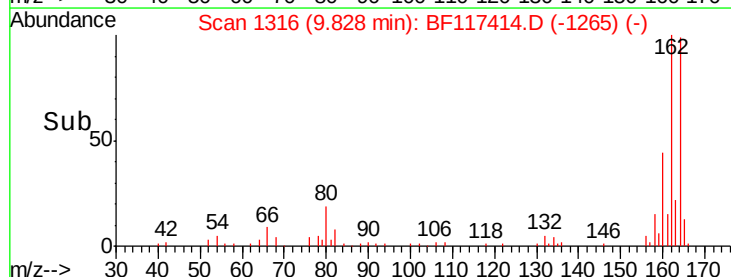
160 44.0 35.4 53.0

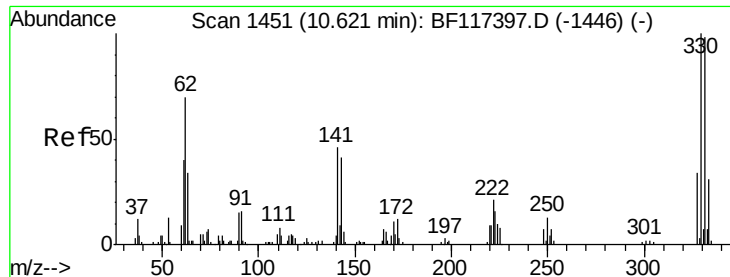


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

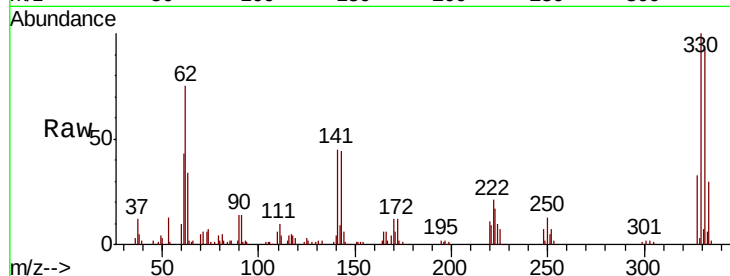




#42
 2,4,6-Tribromophenol
 Concen: 139.763 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF117414.D
 Acq: 16 Oct 2019 15:33

Instrument :
 BNA_F
 ClientSampleId :
 PB123985BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	75.0	112.6
141	42.6	34.2	51.4

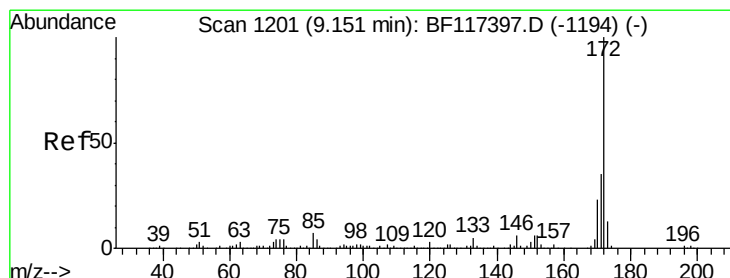
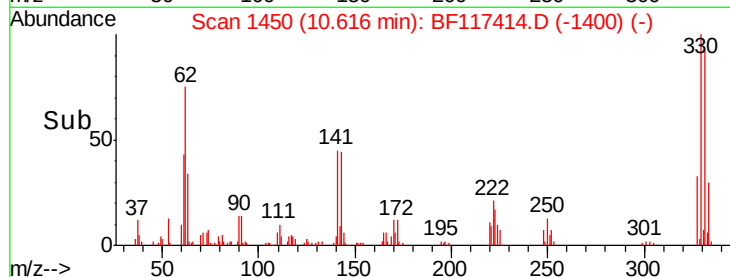
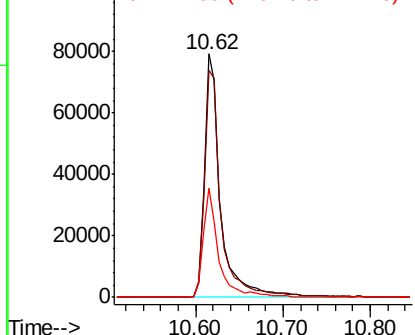


Abundance

Ion 329.80 (329.50 to 330.50): E

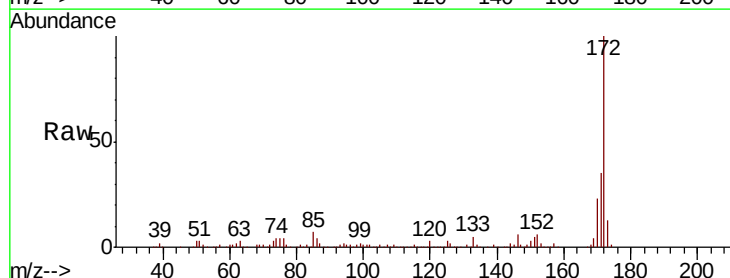
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 88.117 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF117414.D
 Acq: 16 Oct 2019 15:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.2
170	22.8	18.2	27.2

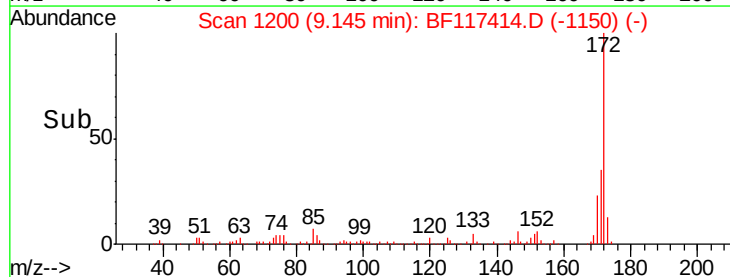
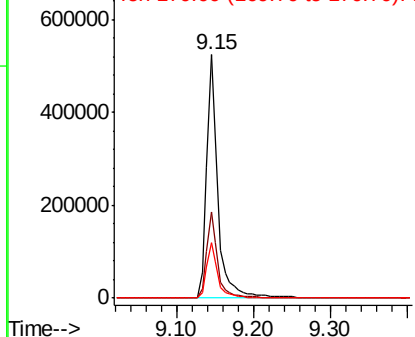


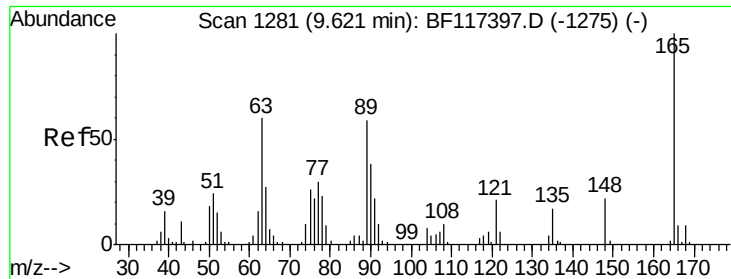
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 8.114 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.21 min

Lab File: BF117414.D

Acq: 16 Oct 2019 15:33

Instrument :

BNA_F

ClientSampleId :

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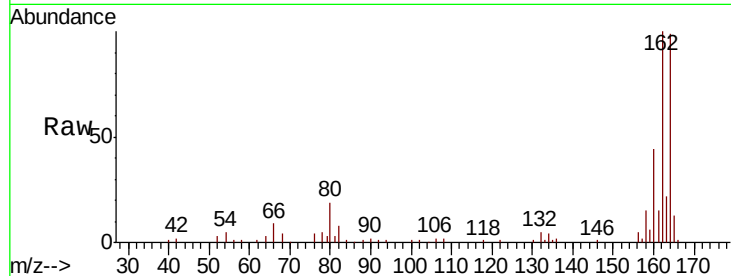
Tot Ion:165 Resp: 10892

Ion Ratio Lower Upper

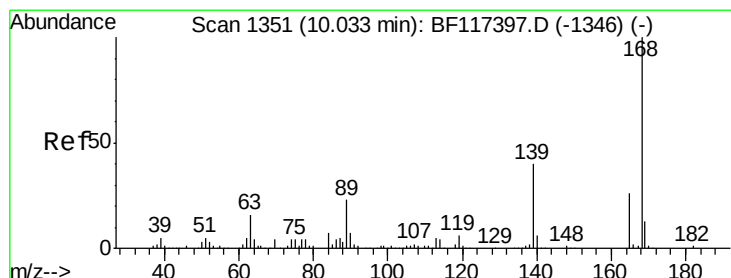
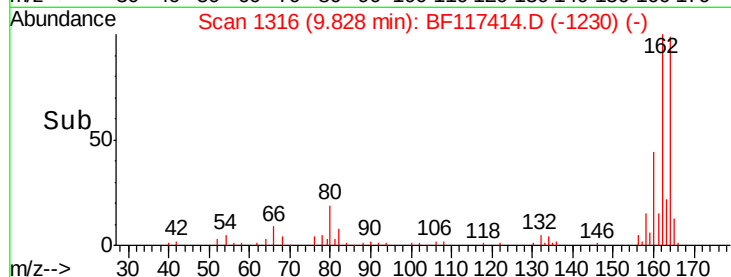
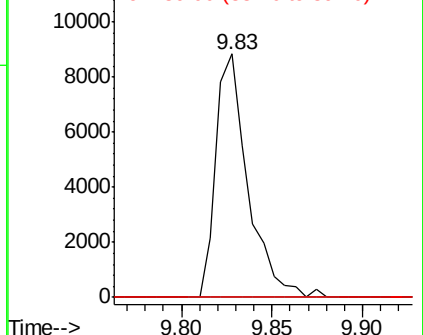
165 100

63 0.0 47.8 71.6#

89 0.0 47.4 71.0#



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



#57

2,4-Dinitrotoluene

Concen: 6.150 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.21 min

Lab File: BF117414.D

Acq: 16 Oct 2019 15:33

Tgt Ion:165 Resp: 10892

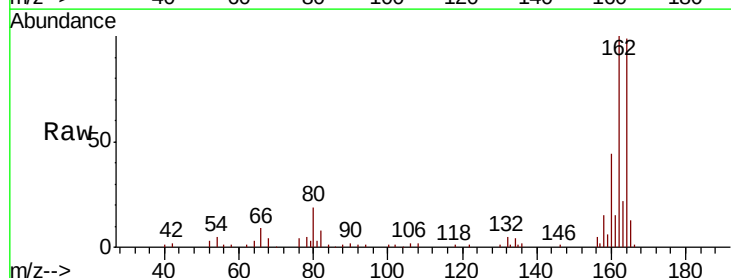
Ion Ratio Lower Upper

165 100

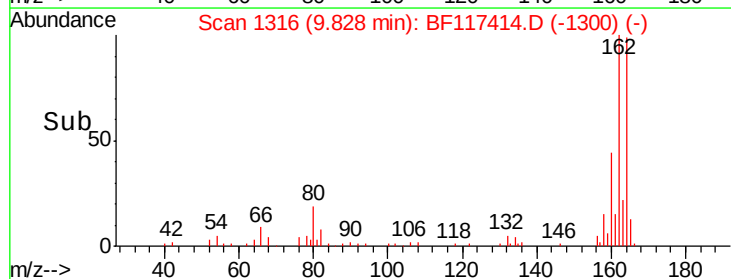
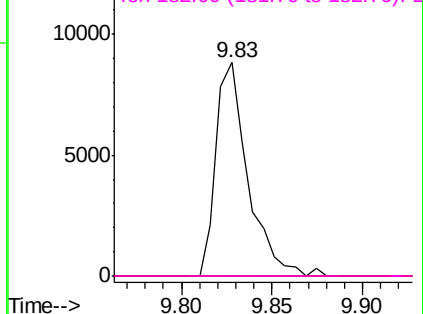
63 0.0 51.0 76.4#

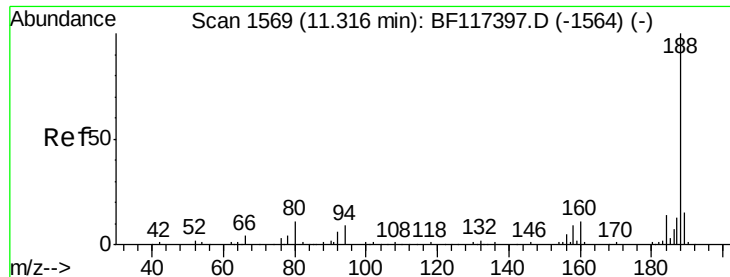
89 0.0 70.7 106.1#

182 0.0 2.1 3.1#



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: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF117414.D

Acq: 16 Oct 2019 15:33

Instrument :

BNA_F

ClientSampleId :

PB123985BL

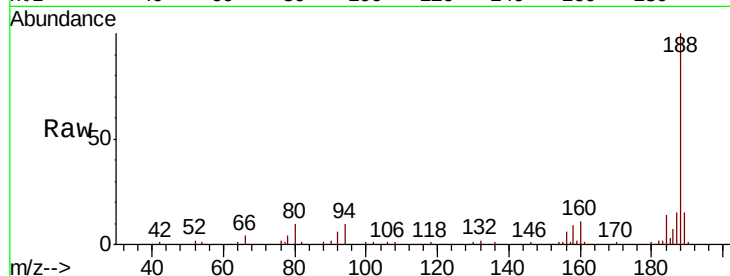
Tot Ion:188 Resp: 157086

Ion Ratio Lower Upper

188 100

94 10.0 7.5 11.3

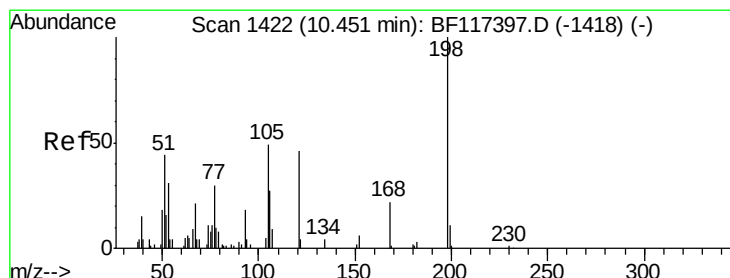
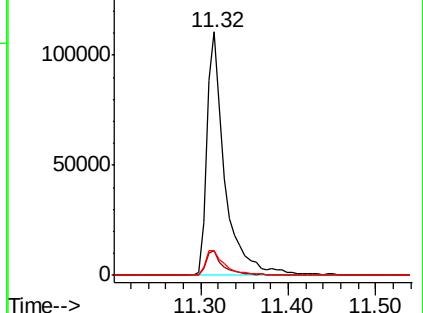
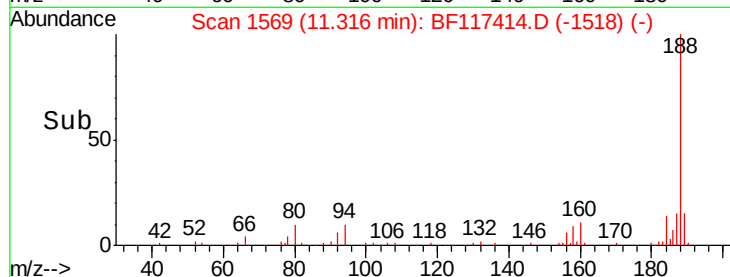
80 10.3 8.7 13.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 5.315 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.17 min

Lab File: BF117414.D

Acq: 16 Oct 2019 15:33

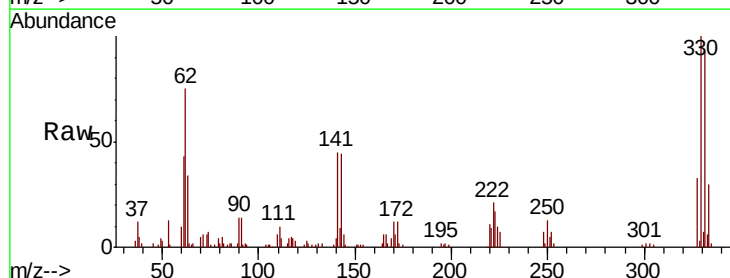
Tgt Ion:198 Resp: 116

Ion Ratio Lower Upper

198 100

51 0.0 25.9 65.9#

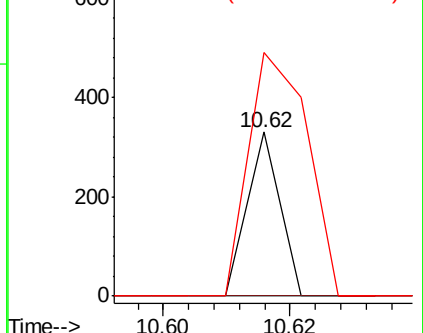
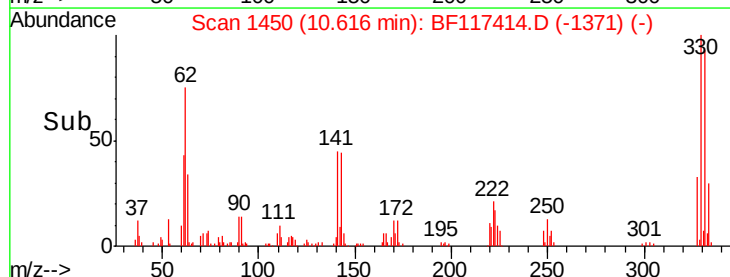
105 148.8 29.4 69.4#

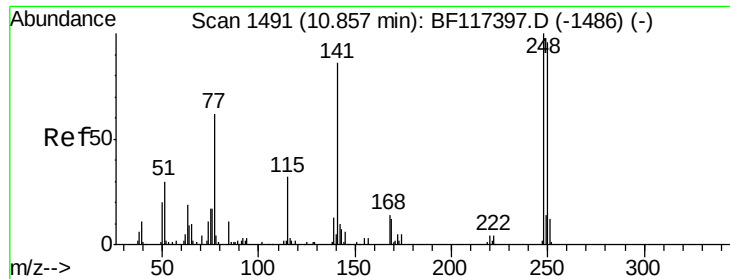


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

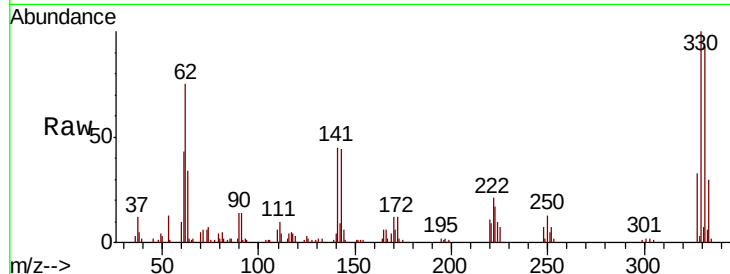




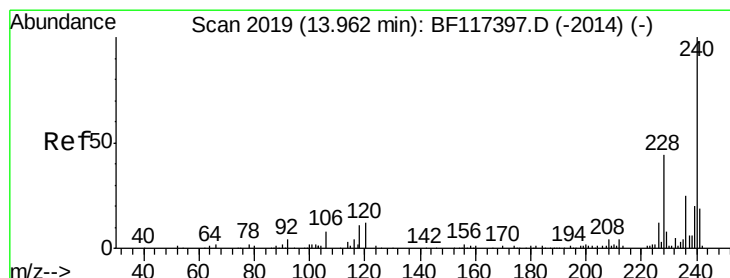
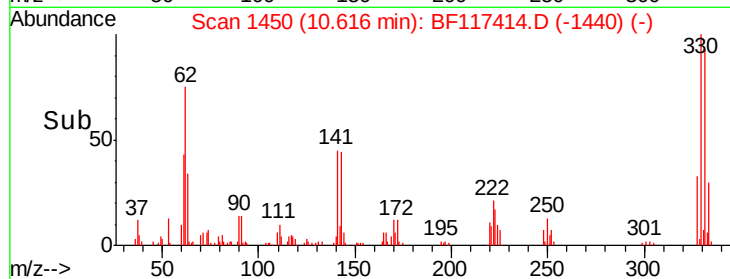
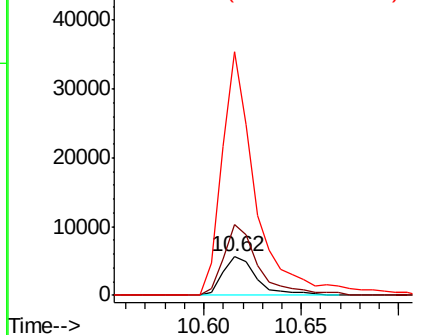
#67
 4-Bromophenyl-phenylether
 Concen: 3.899 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.24 min
 Lab File: BF117414.D
 Acq: 16 Oct 2019 15:33

Instrument :
 BNA_F
 ClientSampleId :
 PB123985BL

Tot Ion:248 Resp: 6718
 Ion Ratio Lower Upper
 248 100
 250 183.6 77.1 115.7#
 141 634.6 69.1 103.7#

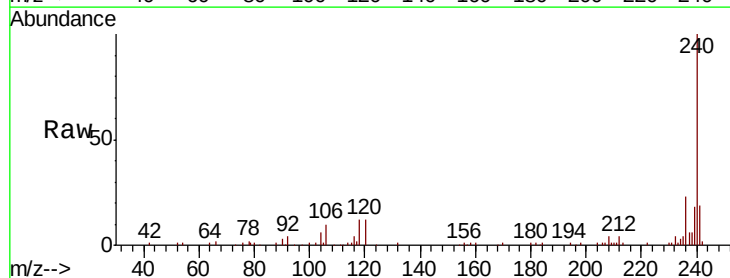


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

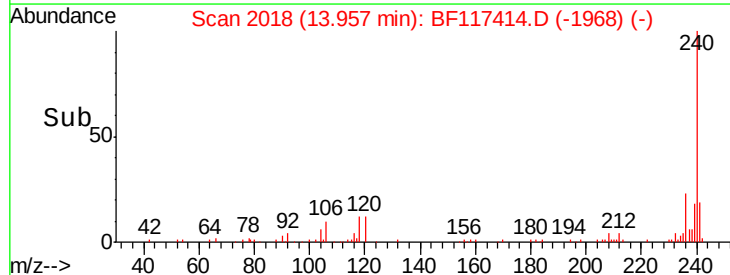
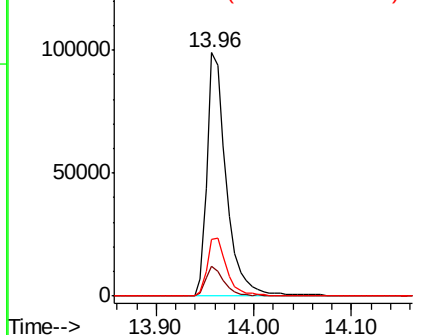


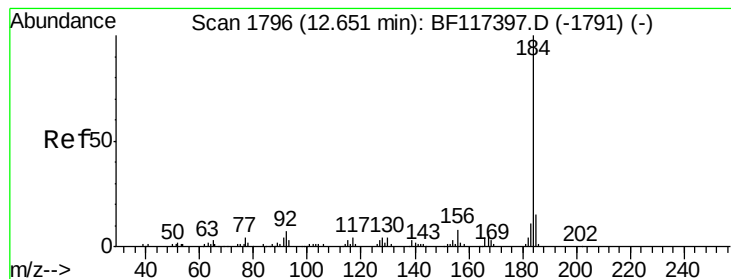
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF117414.D
 Acq: 16 Oct 2019 15:33

Tgt Ion:240 Resp: 136364
 Ion Ratio Lower Upper
 240 100
 120 12.4 9.4 14.0
 236 23.4 19.8 29.6



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: 2.555 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.25 min

Lab File: BF117414.D

Acq: 16 Oct 2019 15:33

Instrument :

BNA_F

ClientSampleId :

PB123985BL

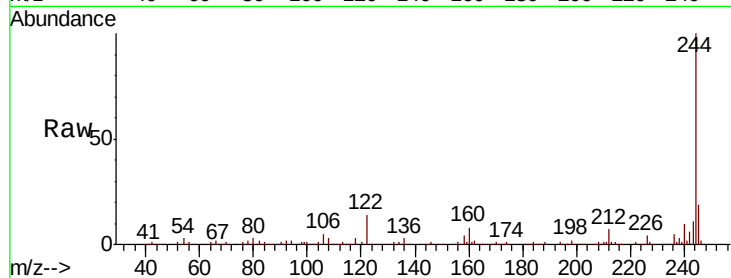
Tot Ion:184 Resp: 8618

Ion Ratio Lower Upper

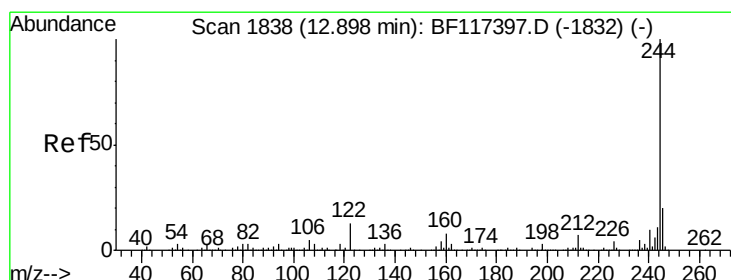
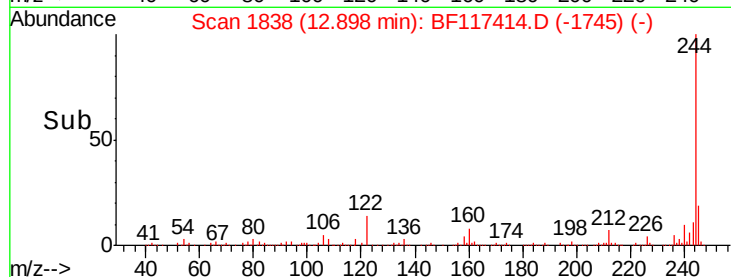
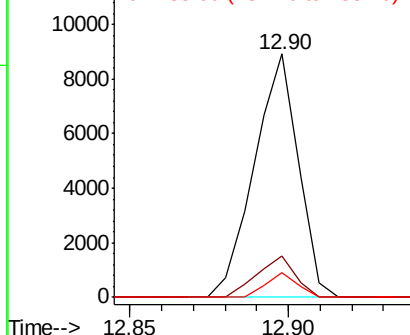
184 100

185 17.0 12.2 18.2

183 9.9 8.9 13.3



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: 78.603 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF117414.D

Acq: 16 Oct 2019 15:33

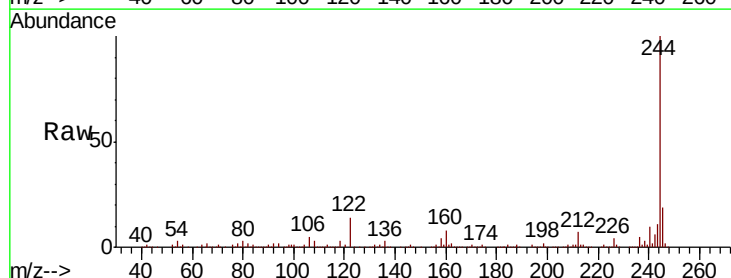
Tgt Ion:244 Resp: 657518

Ion Ratio Lower Upper

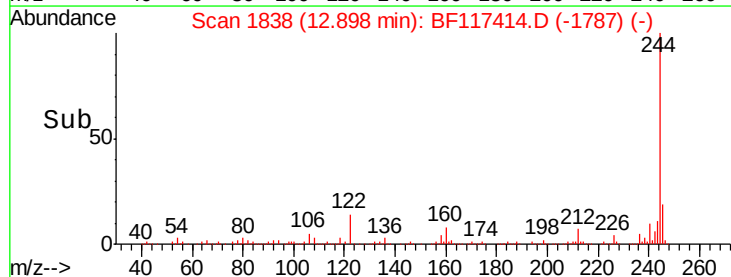
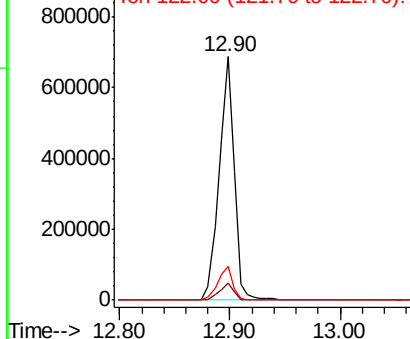
244 100

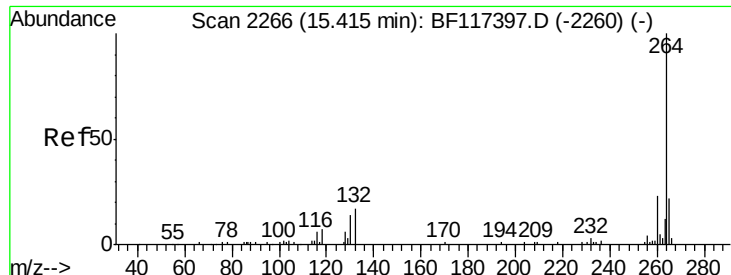
212 6.8 5.7 8.5

122 13.9 10.7 16.1



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: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF117414.D
Acq: 16 Oct 2019 15:33

Instrument :
BNA_F
ClientSampleId :
PB123985BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.6	18.6	27.8
265	20.5	17.4	26.0

