

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117632.D
 Acq On : 30 Oct 2019 18:39
 Operator : JU
 Sample : K5539-09 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 01:25:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

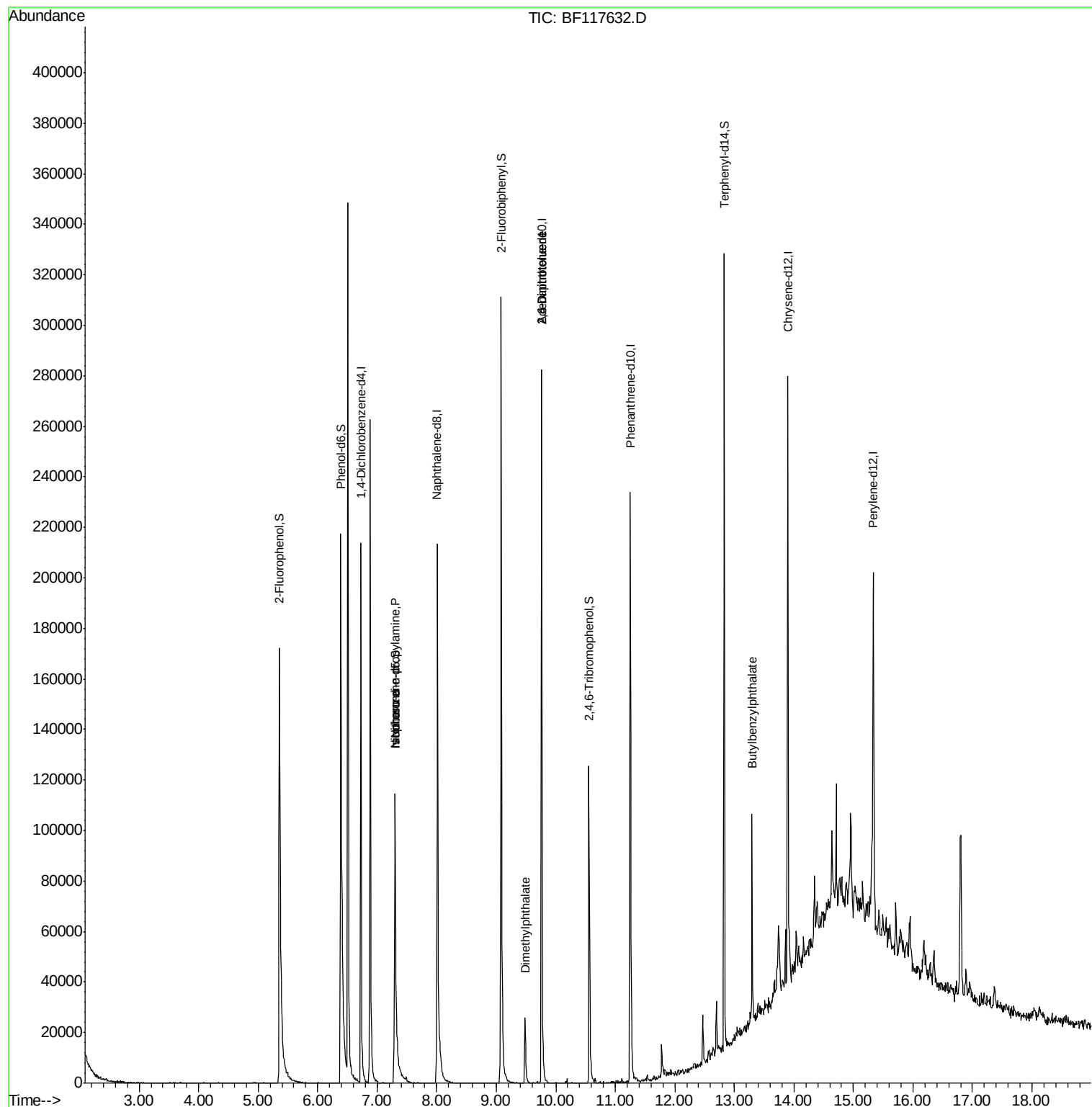
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	36000	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	143918	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	69986	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	103333	20.00	ng	0.00
76) Chrysene-d12	13.90	240	78074	20.00	ng	0.00
87) Perylene-d12	15.33	264	63628	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	100320	41.46	ng	0.00
7) Phenol-d6	6.39	99	145072	44.64	ng	0.00
23) Nitrobenzene-d5	7.30	82	81798	28.06	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	20353	33.61	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	130229	26.22	ng	-0.01
79) Terphenyl-d14	12.83	244	99107	20.71	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	2642	Below Cal	#	80
19) n-Nitroso-di-n-propylamine	7.30	70	10044	5.060 ng	#	74
25) Isophorone	7.30	82	81798	16.220 ng	#	65
50) Dimethylphthalate	9.49	163	16470	3.301 ng		100
51) 2,6-Dinitrotoluene	9.76	165	8408	8.076 ng	#	22
57) 2,4-Dinitrotoluene	9.76	165	8408	6.074 ng	#	12
77) Benzidine	12.83	184	1339	Below Cal	#	70
80) Butylbenzylphthalate	13.30	149	17413	5.218 ng		99

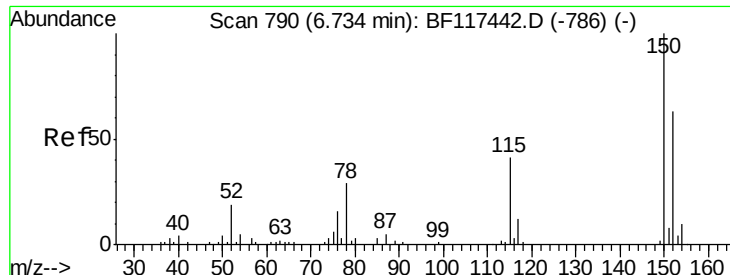
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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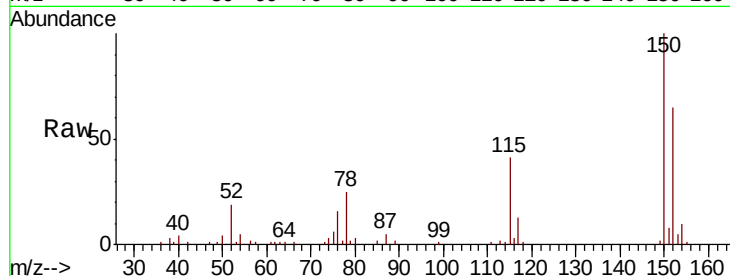


#1

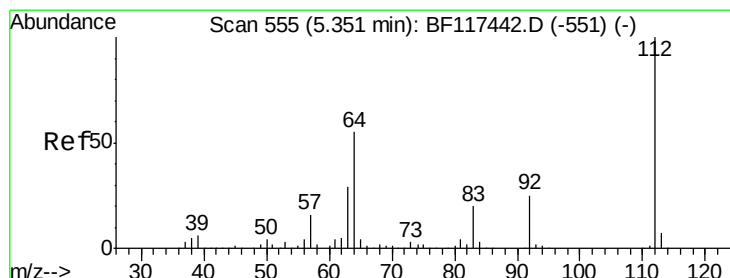
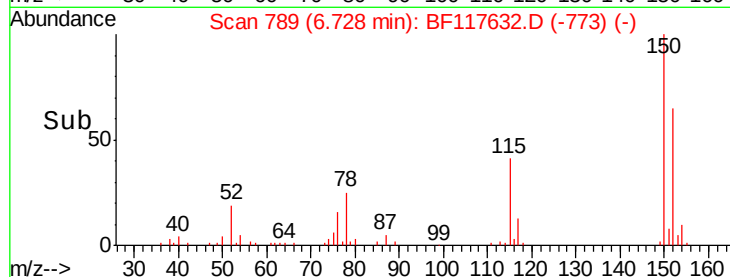
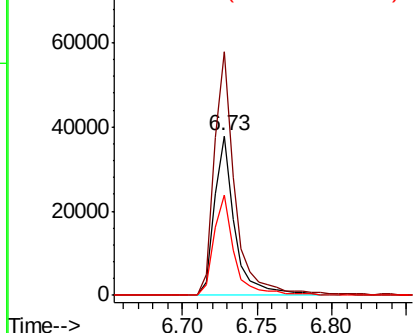
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117632.D
Acq: 30 Oct 2019 18:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 36000
Ion Ratio Lower Upper
152 100
150 152.7 126.8 190.2
115 63.1 51.6 77.4



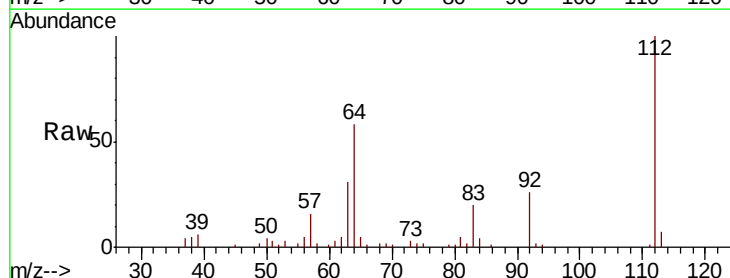
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



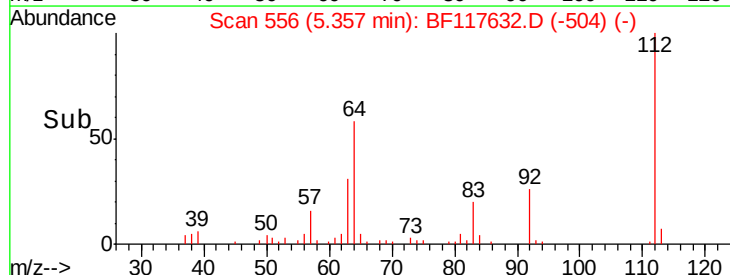
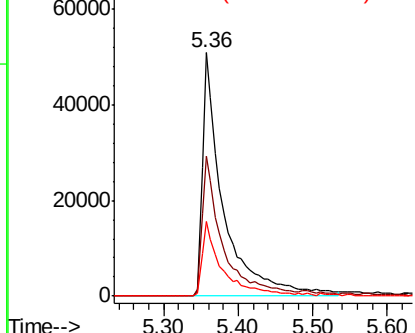
#5

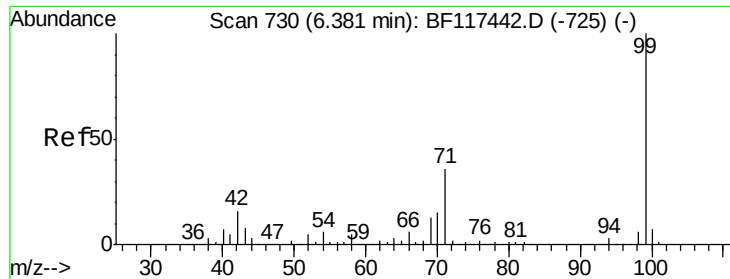
2-Fluorophenol
Concen: 41.457 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117632.D
Acq: 30 Oct 2019 18:39

Tgt Ion:112 Resp: 100320
Ion Ratio Lower Upper
112 100
64 57.5 44.1 66.1
63 30.7 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: 44.636 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117632.D

Acq: 30 Oct 2019 18:39

Instrument :

BNA_F

ClientSampleId :

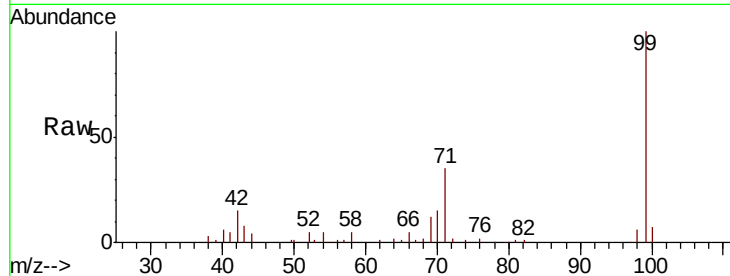
Tot Ion: 99 Resp: 145072

Ion Ratio Lower Upper

99 100

42 15.2 12.8 19.2

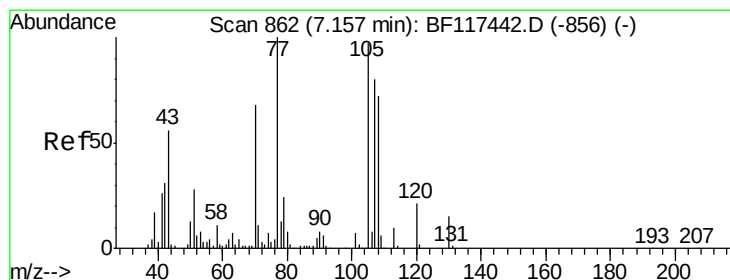
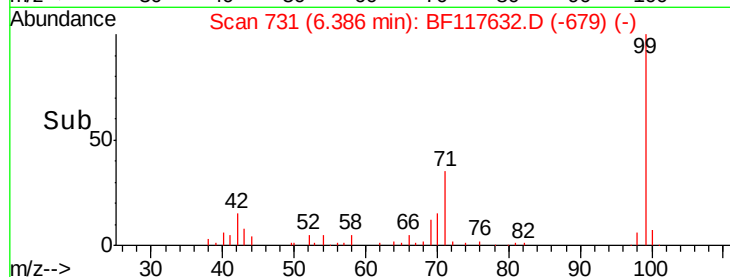
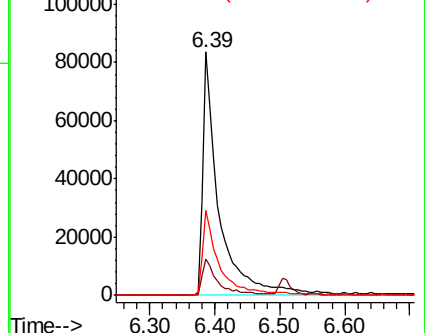
71 35.0 28.6 43.0



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: 5.060 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117632.D

Acq: 30 Oct 2019 18:39

Tgt Ion: 70 Resp: 10044

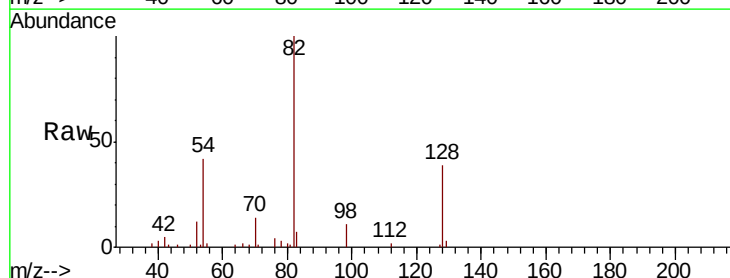
Ion Ratio Lower Upper

70 100

42 35.7 36.7 55.1#

101 0.0 8.3 12.5#

130 0.0 18.1 27.1#

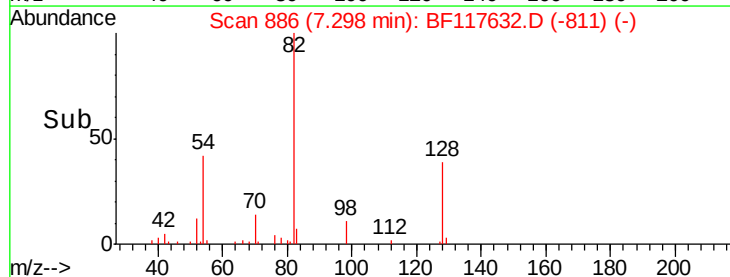
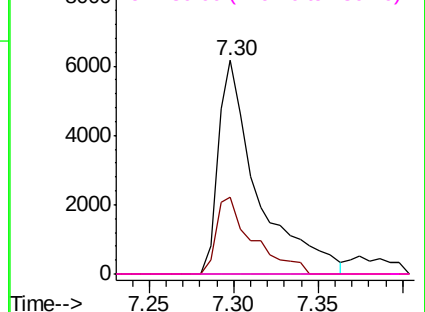


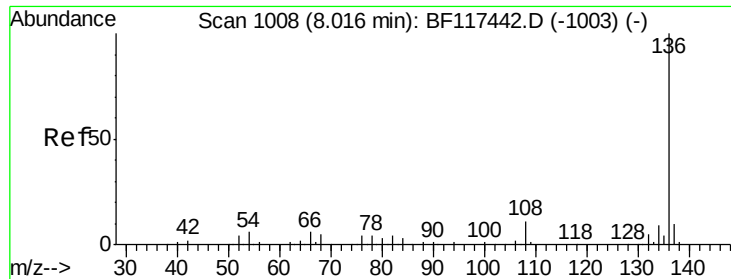
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

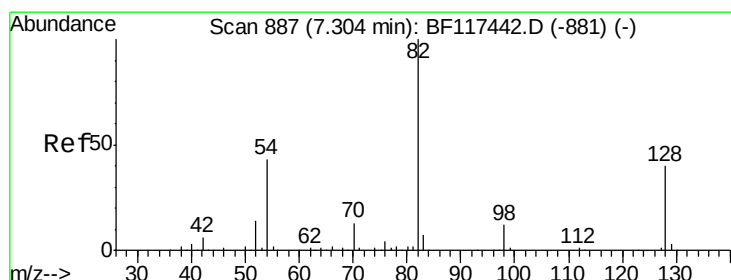
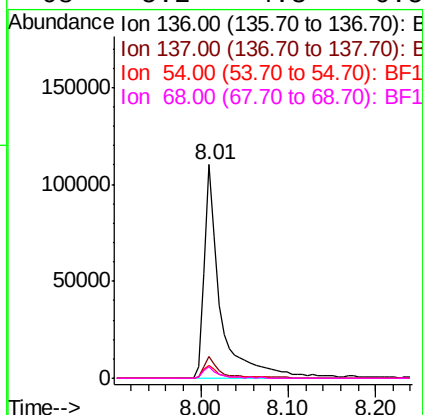
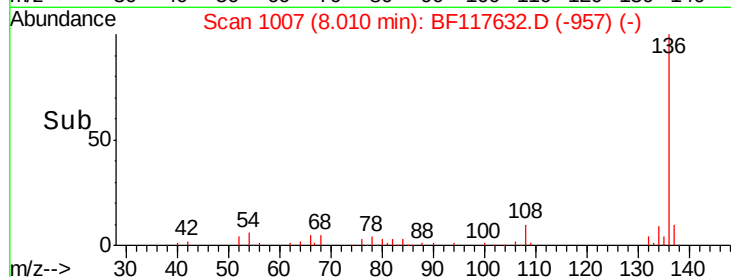
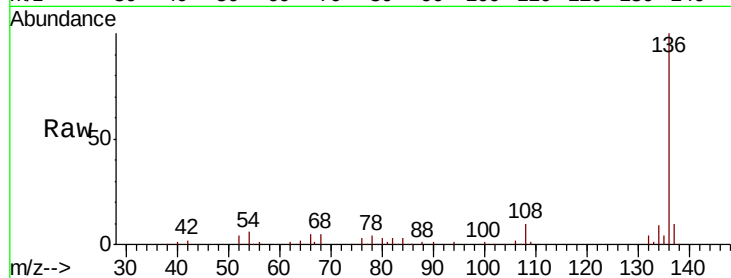




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117632.D
Acq: 30 Oct 2019 18:39

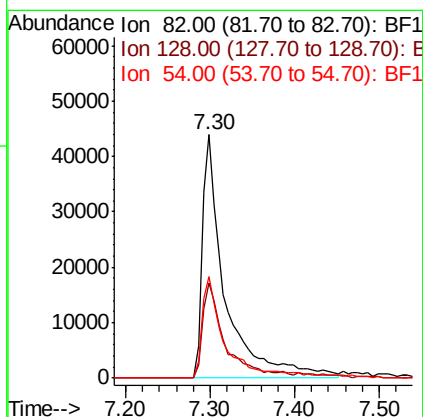
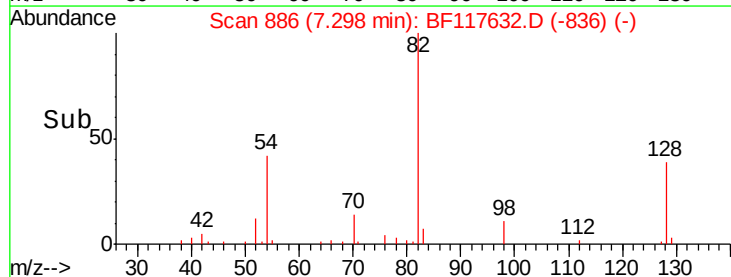
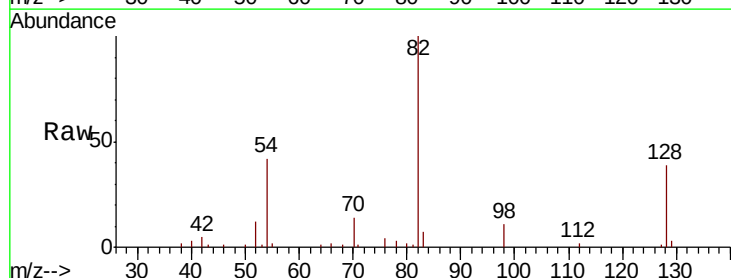
Instrument :
BNA_F
ClientSampleId :

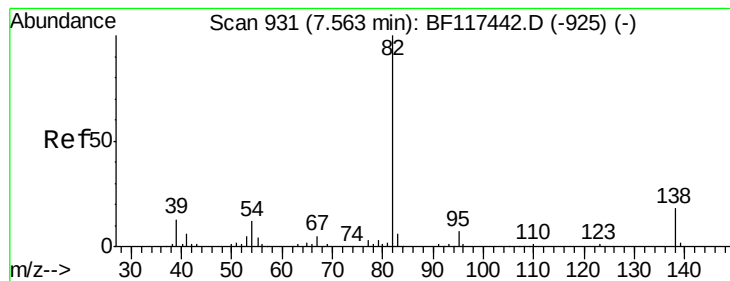
Tot Ion:	136	Resp:	143918
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.2	12.4
54	5.7	4.5	6.7
68	5.2	4.3	6.5



#23
Nitrobenzene-d5
Concen: 28.059 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117632.D
Acq: 30 Oct 2019 18:39

Tgt Ion:	82	Resp:	81798
Ion	Ratio	Lower	Upper
82	100		
128	39.0	32.2	48.2
54	41.6	34.2	51.2





#25

Isophorone

Concen: 16.220 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117632.D

Acq: 30 Oct 2019 18:39

Instrument :

BNA_F

ClientSampleId :

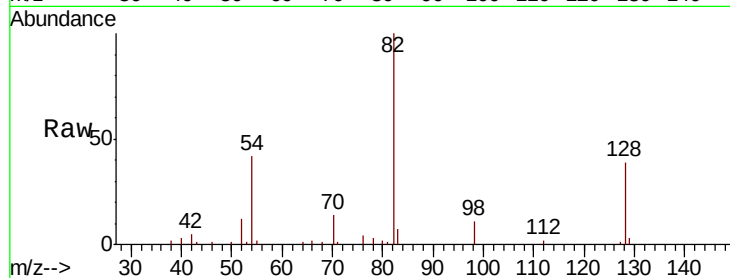
Tot Ion: 82 Resp: 81798

Ion Ratio Lower Upper

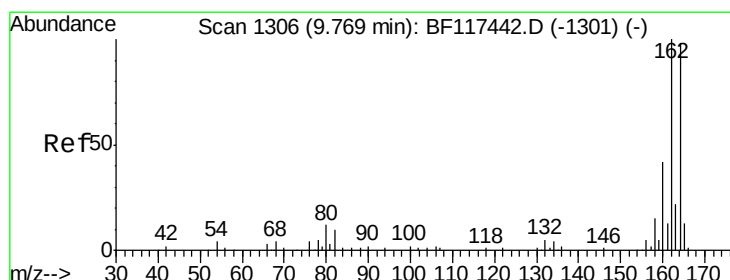
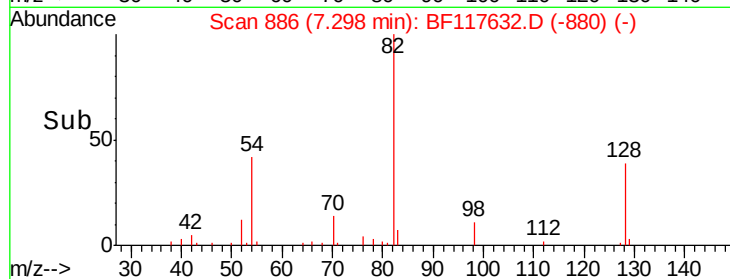
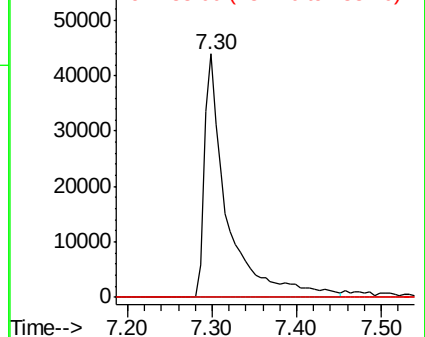
82 100

95 0.0 5.4 8.0#

138 0.0 14.2 21.2#



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: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117632.D

Acq: 30 Oct 2019 18:39

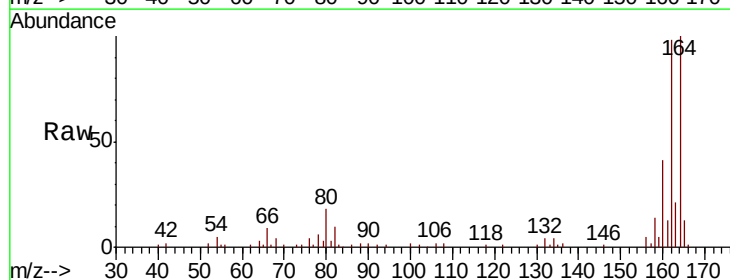
Tgt Ion: 164 Resp: 69986

Ion Ratio Lower Upper

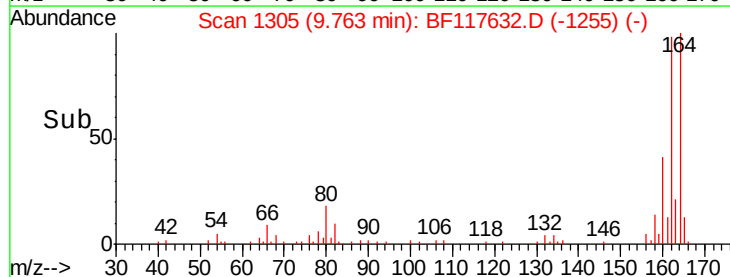
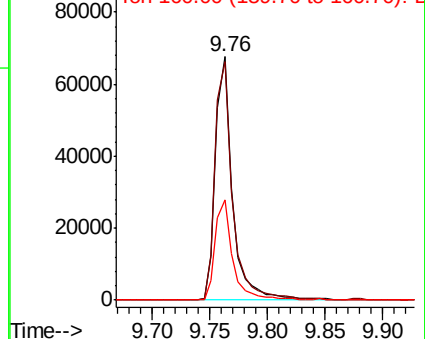
164 100

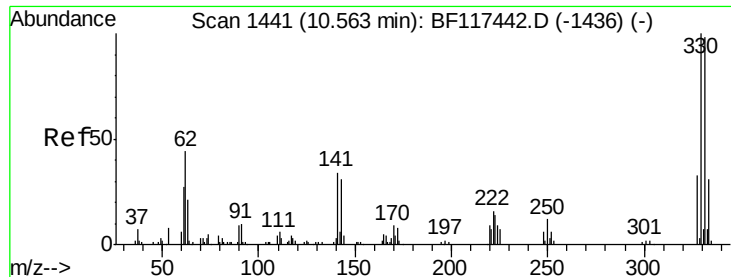
162 98.2 81.8 122.6

160 41.0 34.4 51.6



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

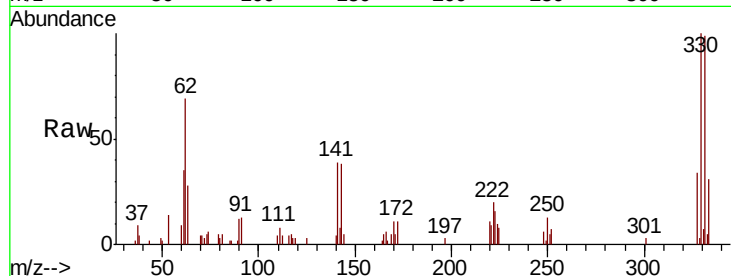




#42
 2,4,6-Tribromophenol
 Concen: 33.610 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: BF117632.D
 Acq: 30 Oct 2019 18:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.1	78.5	117.7
141	46.1	37.0	55.6

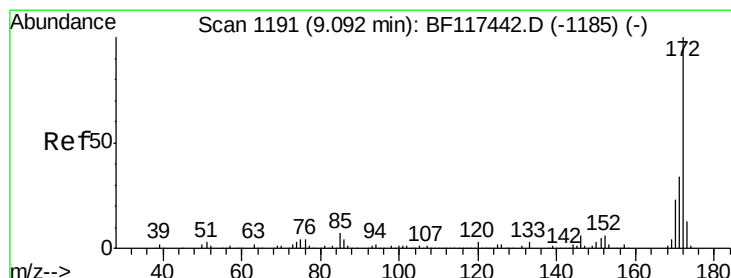
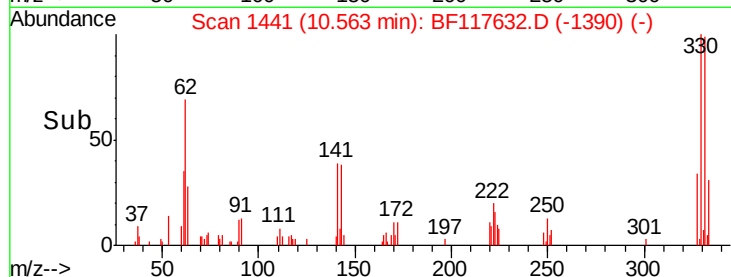
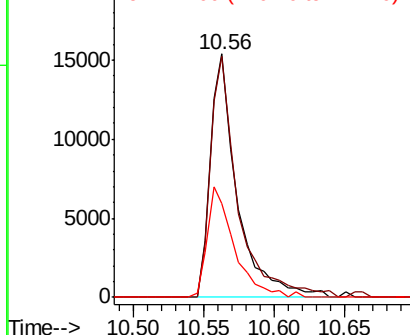


Abundance

Ion 329.80 (329.50 to 330.50): E

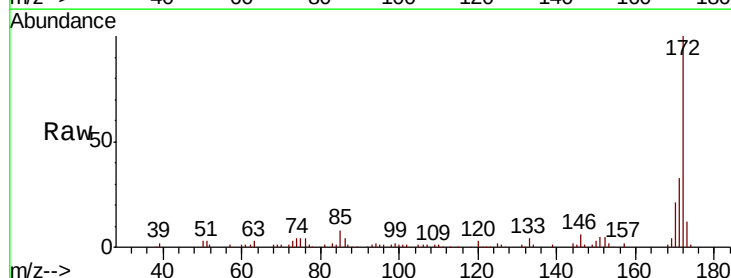
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 26.218 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117632.D
 Acq: 30 Oct 2019 18:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	27.5	41.3
170	20.8	18.6	27.8

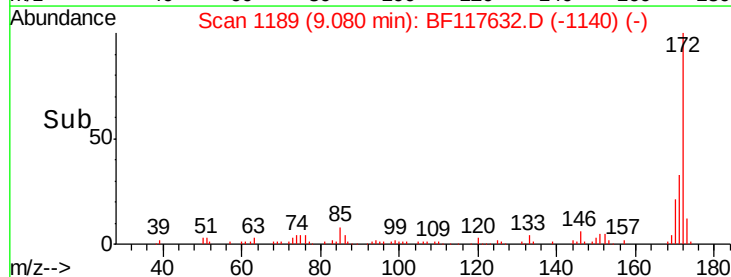
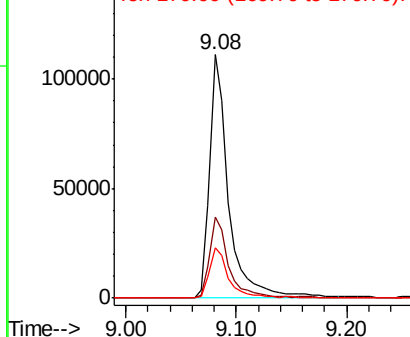


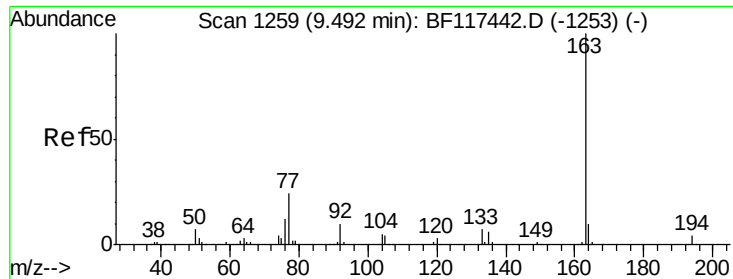
Abundance

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: 3.301 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF117632.D

Acq: 30 Oct 2019 18:39

Instrument :

BNA_F

ClientSampleId :

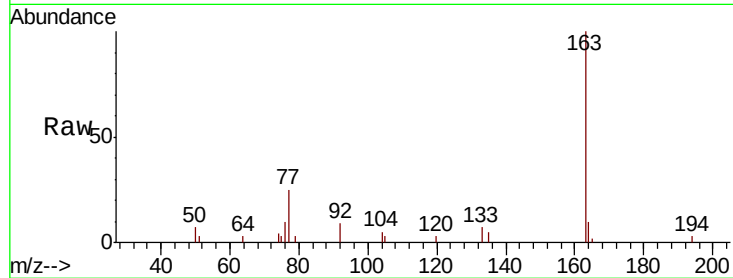
Tot Ion:163 Resp: 16470

Ion Ratio Lower Upper

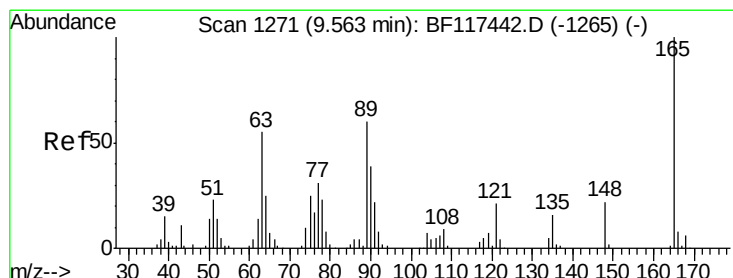
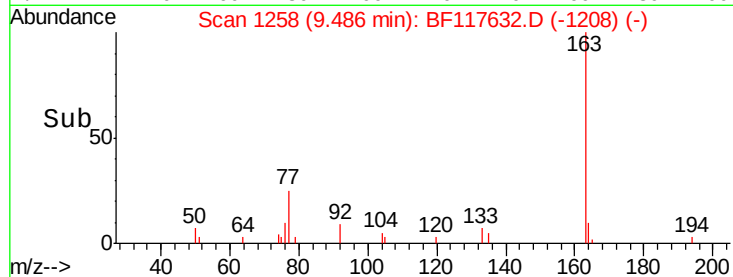
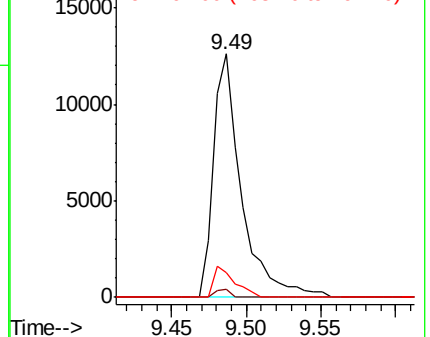
163 100

194 3.2 2.9 4.3

164 10.3 8.2 12.2



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: 8.076 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF117632.D

Acq: 30 Oct 2019 18:39

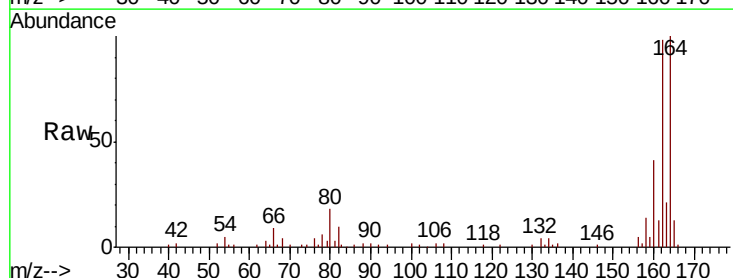
Tgt Ion:165 Resp: 8408

Ion Ratio Lower Upper

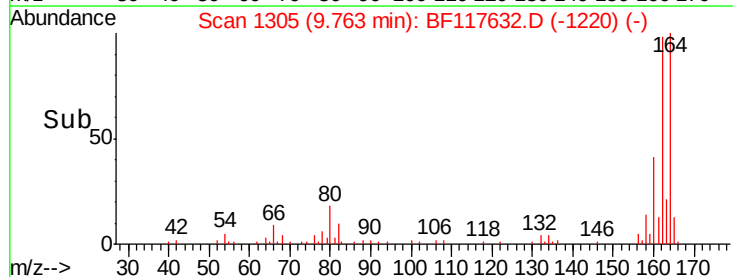
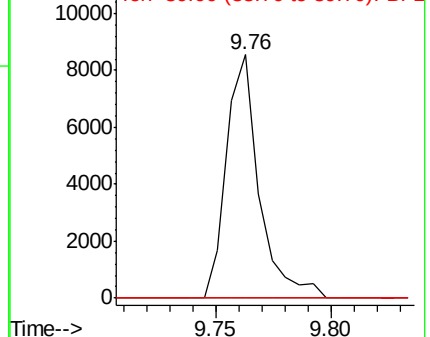
165 100

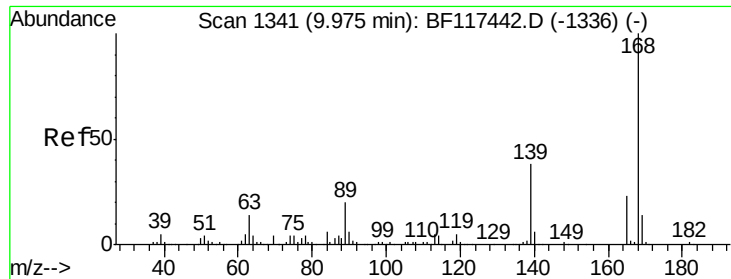
63 0.0 43.8 65.8#

89 0.0 47.6 71.4#



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: 6.074 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.21 min

Lab File: BF117632.D

Acq: 30 Oct 2019 18:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 8408

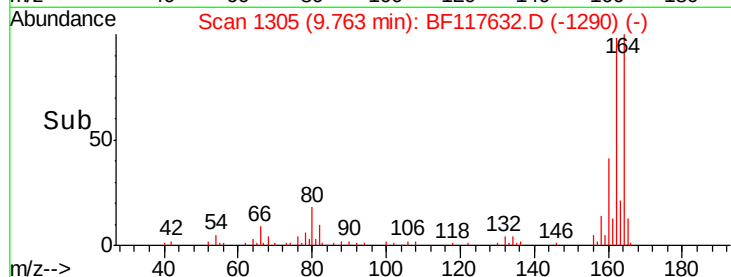
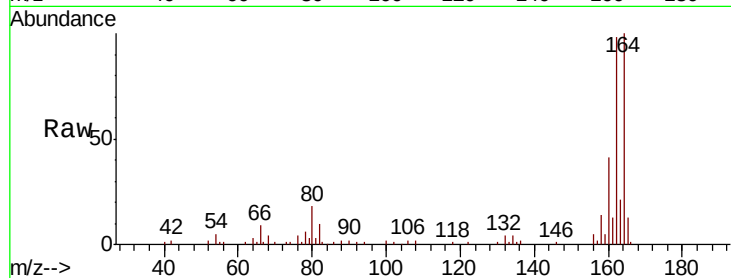
Ion Ratio Lower Upper

165 100

63 0.0 51.4 77.0#

89 0.0 69.9 104.9#

182 0.0 1.9 2.9#

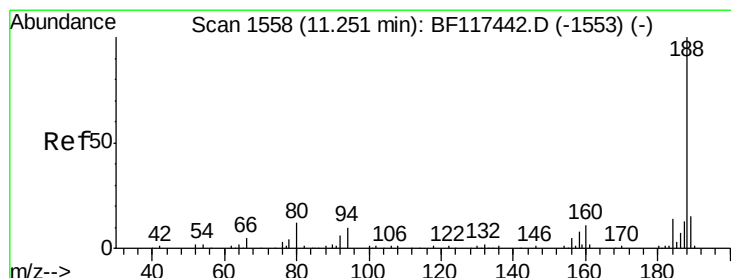
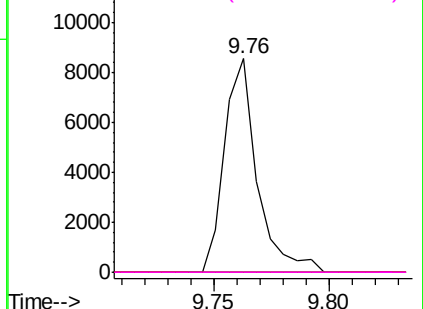


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117632.D

Acq: 30 Oct 2019 18:39

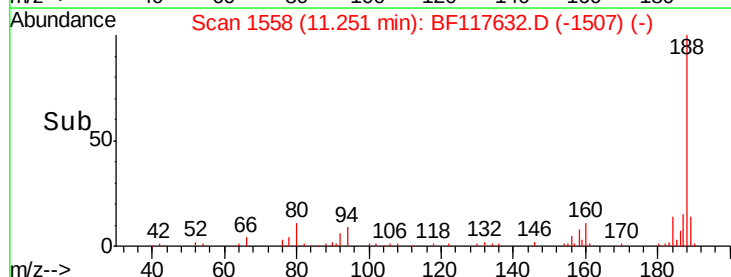
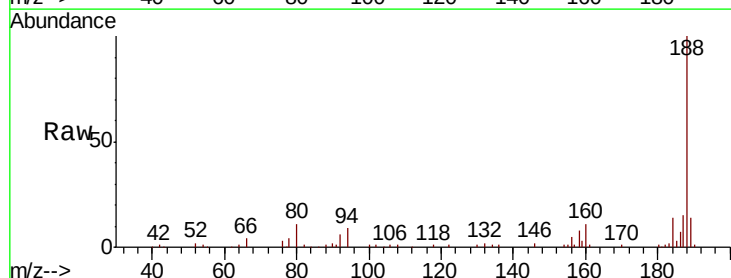
Tgt Ion:188 Resp: 103333

Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

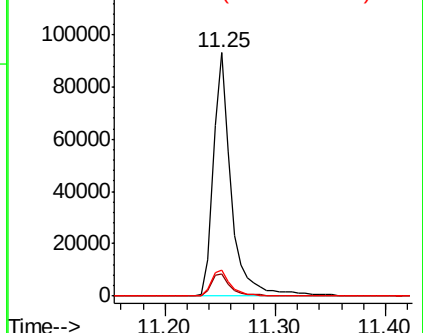
80 10.7 9.5 14.3

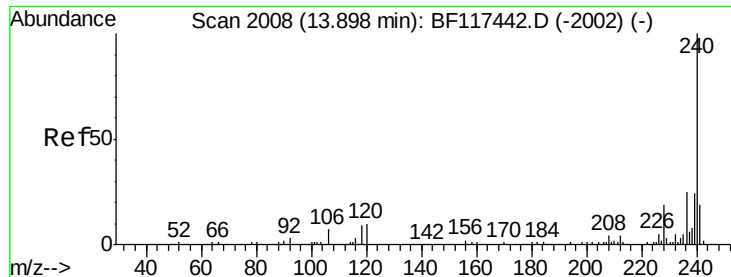


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

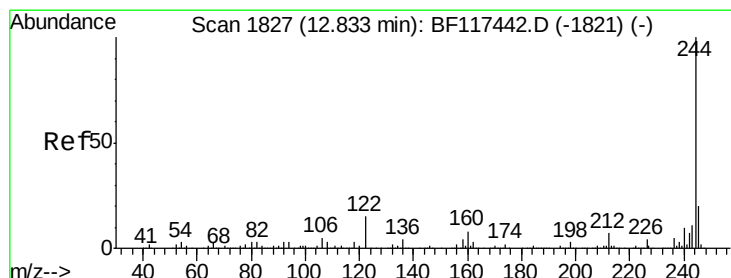
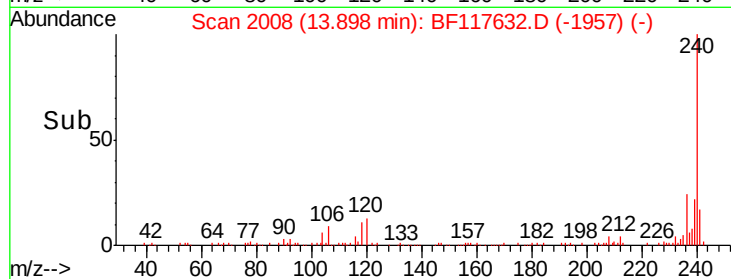
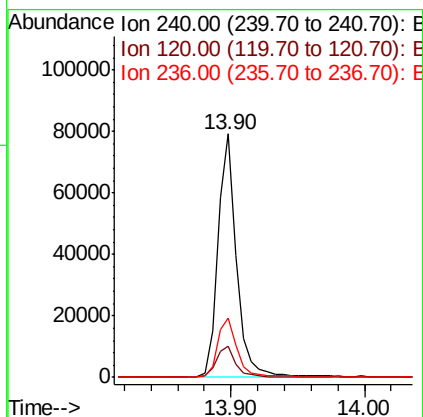
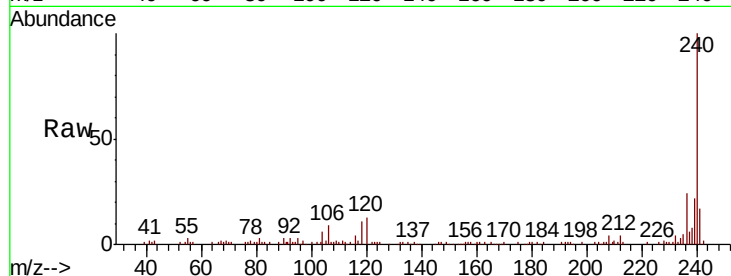




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: BF117632.D
 Acq: 30 Oct 2019 18:39

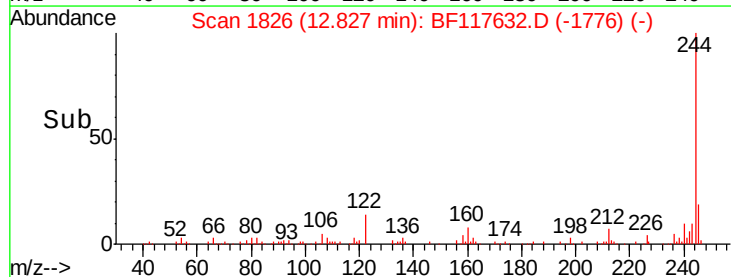
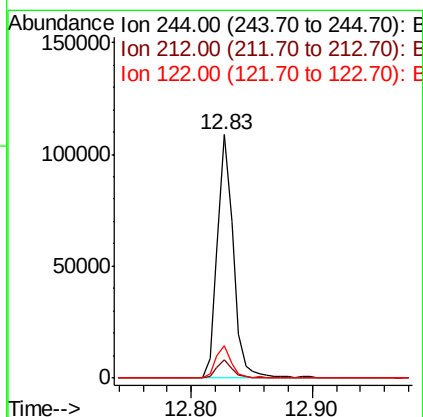
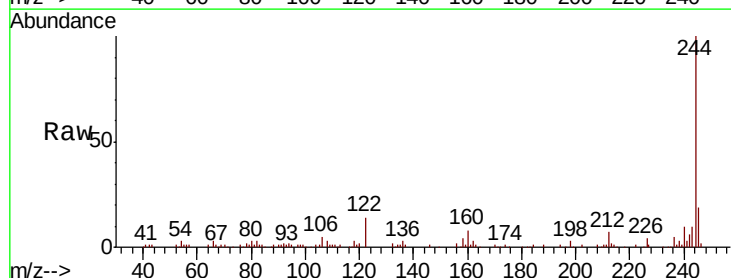
Instrument :
 BNA_F
 ClientSampled :

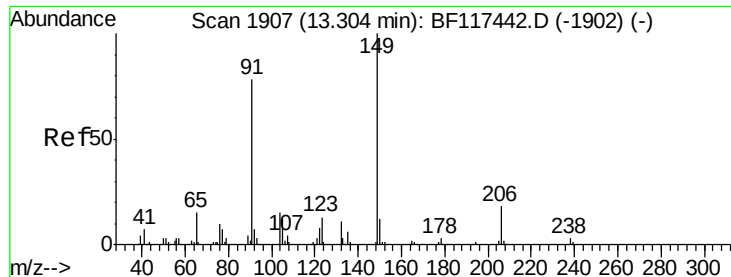
Tot Ion:240 Resp: 78074
 Ion Ratio Lower Upper
 240 100
 120 12.9 8.4 12.6#
 236 24.1 20.0 30.0



#79
 Terphenyl-d14
 Concen: 20.705 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117632.D
 Acq: 30 Oct 2019 18:39

Tgt Ion:244 Resp: 99107
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 13.5 11.8 17.8

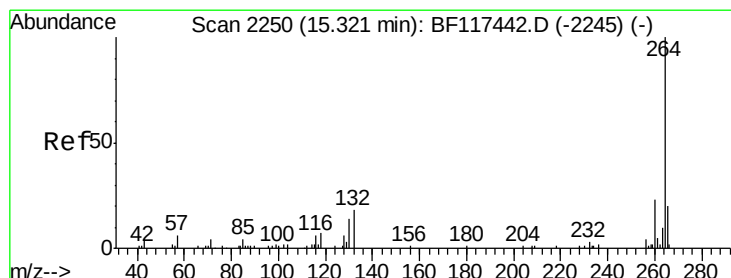
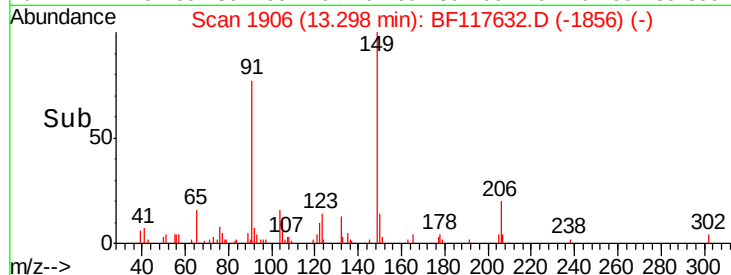
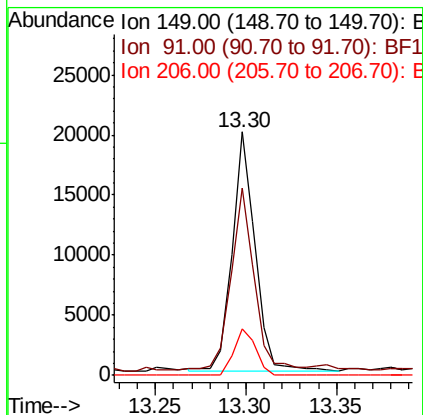
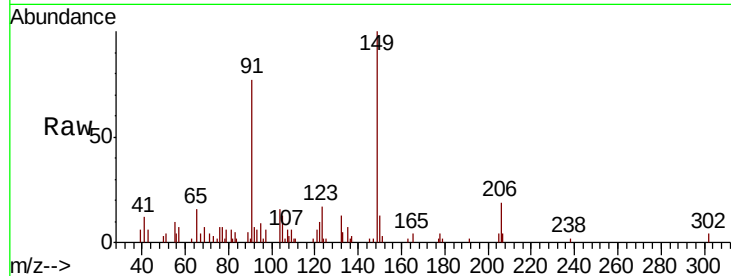




#80
Butylbenzylphthalate
Concen: 5.218 ng
RT: 13.30 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BF117632.D
Acq: 30 Oct 2019 18:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:149 Resp: 17413
Ion Ratio Lower Upper
149 100
91 77.0 62.1 93.1
206 19.2 14.3 21.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117632.D
Acq: 30 Oct 2019 18:39

Tgt Ion:264 Resp: 63628
Ion Ratio Lower Upper
264 100
260 23.3 18.4 27.6
265 21.0 16.1 24.1

