

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117628.D
 Acq On : 30 Oct 2019 16:52
 Operator : JU
 Sample : K5541-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 01:24:50 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	35165	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	140591	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	69948	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	102267	20.00	ng	0.00
76) Chrysene-d12	13.90	240	75188	20.00	ng	0.00
87) Perylene-d12	15.34	264	79245	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	160416	67.87	ng	0.00
7) Phenol-d6	6.39	99	226829	71.45	ng	0.00
23) Nitrobenzene-d5	7.29	82	130502	45.83	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	34264	56.61	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	187818	37.83	ng	-0.01
79) Terphenyl-d14	12.83	244	131728	28.58	ng	0.00

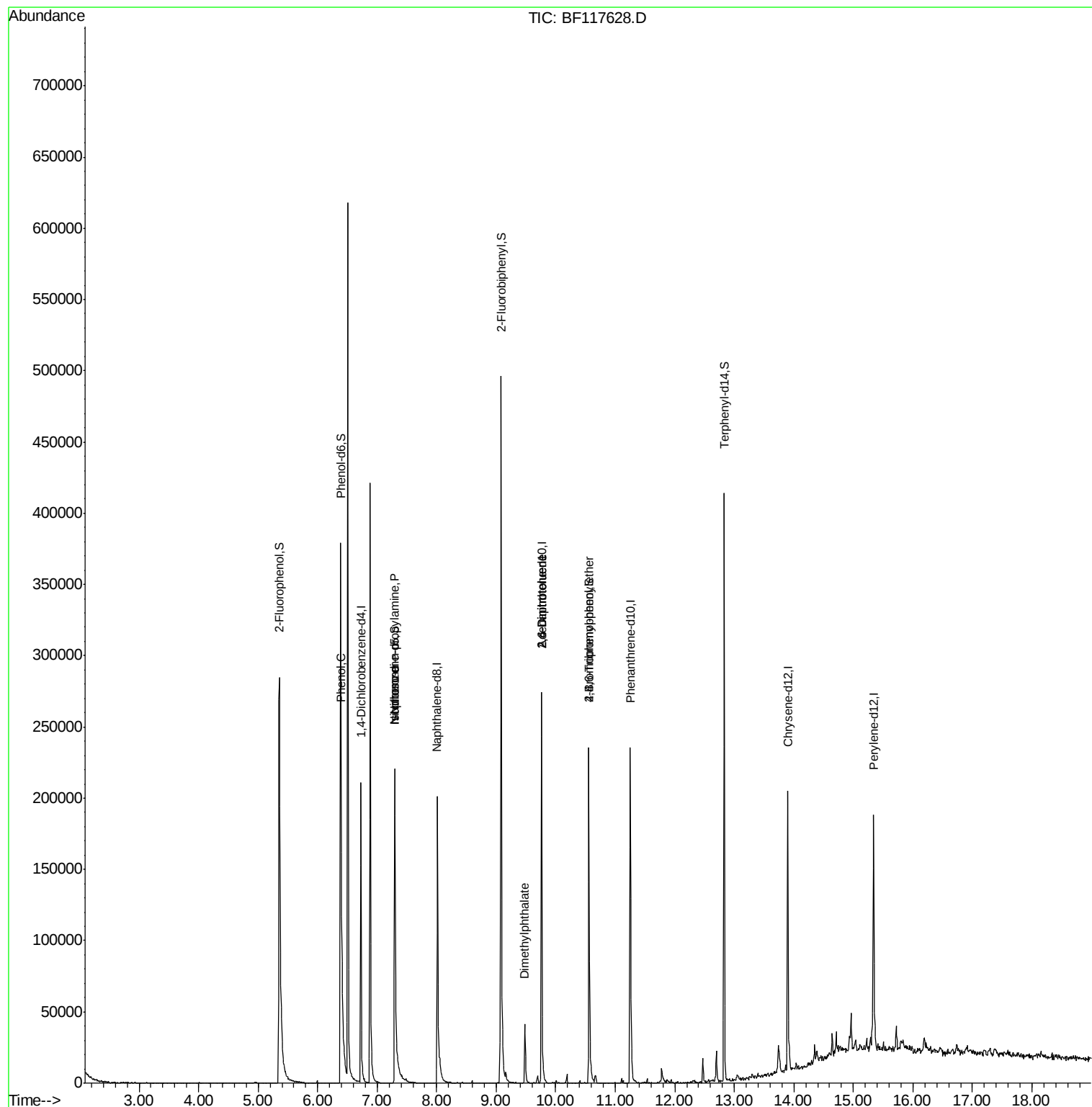
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	4378	Below Cal		# 76
10) Phenol	6.40	94	9388	2.897	ng	91
19) n-Nitroso-di-n-propylamine	7.29	70	15852	8.176	ng	# 78
25) Isophorone	7.29	82	130501	26.490	ng	# 65
50) Dimethylphthalate	9.48	163	22721	4.556	ng	98
51) 2,6-Dinitrotoluene	9.76	165	9100	8.745	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	9100	6.578	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	2254	2.046	ng	# 1
77) Benzidine	12.83	184	1705	Below Cal		# 75

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

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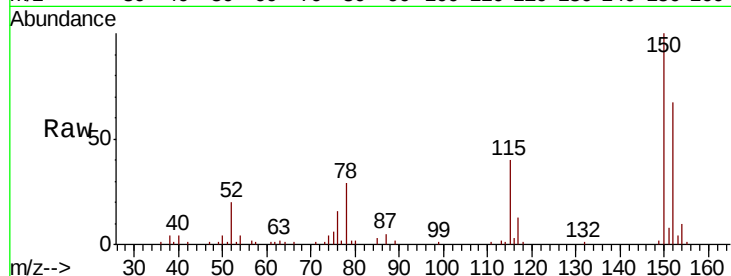


#1

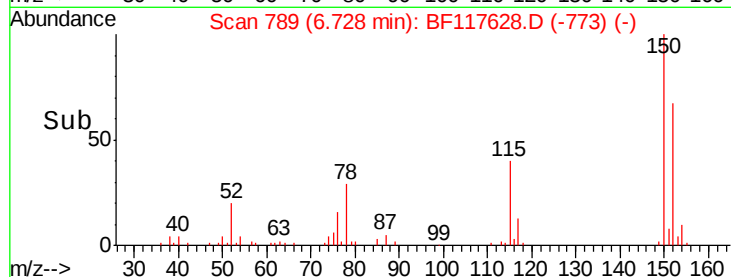
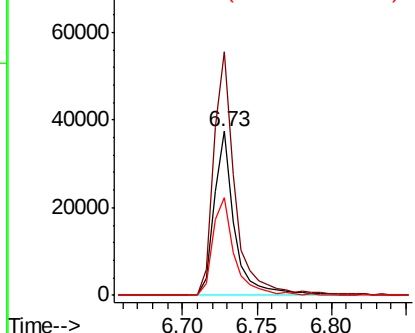
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117628.D
Acq: 30 Oct 2019 16:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 35165
Ion Ratio Lower Upper
152 100
150 148.5 126.8 190.2
115 59.8 51.6 77.4



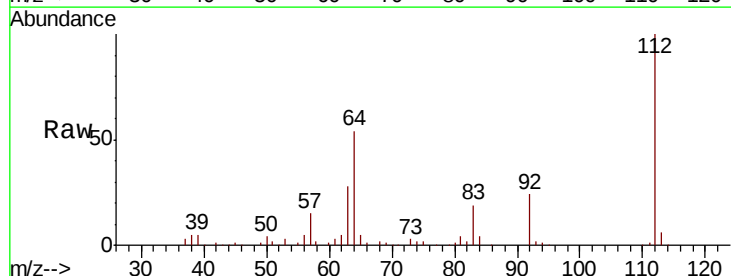
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



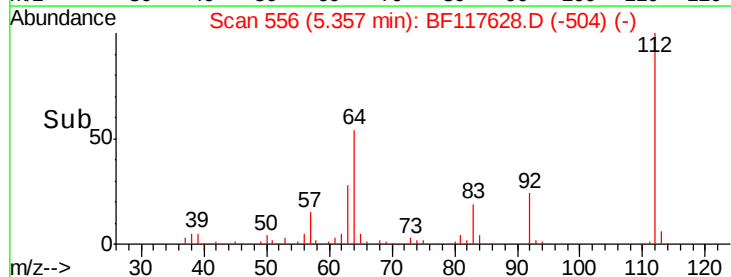
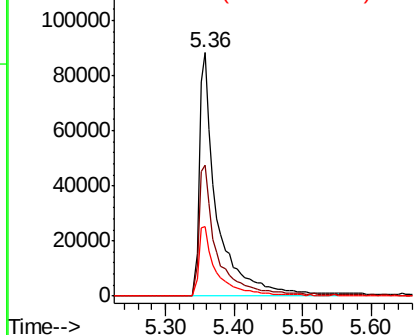
#5

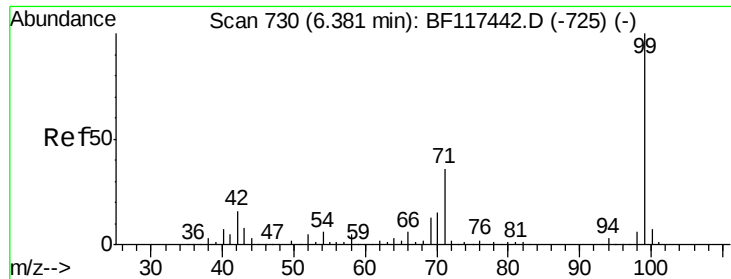
2-Fluorophenol
Concen: 67.866 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117628.D
Acq: 30 Oct 2019 16:52

Tgt Ion:112 Resp: 160416
Ion Ratio Lower Upper
112 100
64 53.9 44.1 66.1
63 28.5 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: 71.448 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117628.D

Acq: 30 Oct 2019 16:52

Instrument :

BNA_F

ClientSampleId :

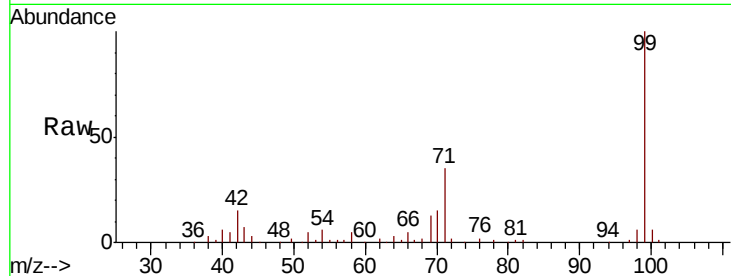
Tot Ion: 99 Resp: 226829

Ion Ratio Lower Upper

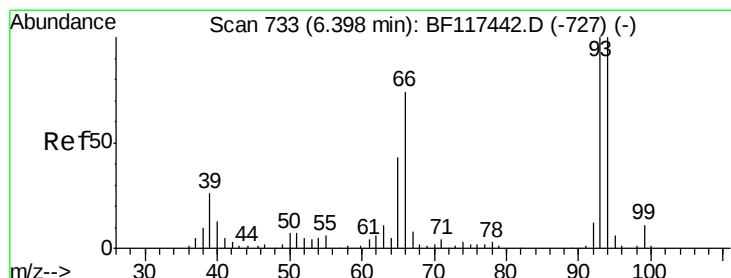
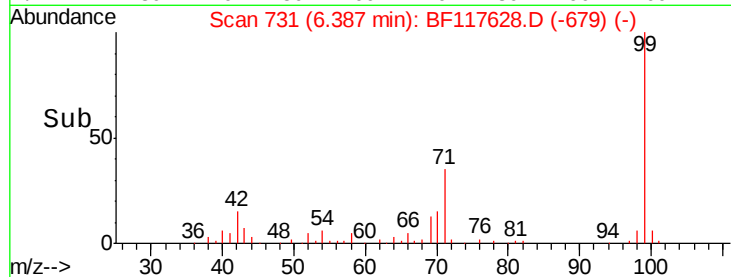
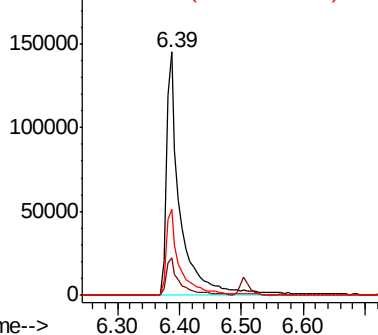
99 100

42 15.2 12.8 19.2

71 35.4 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



#10

Phenol

Concen: 2.897 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF117628.D

Acq: 30 Oct 2019 16:52

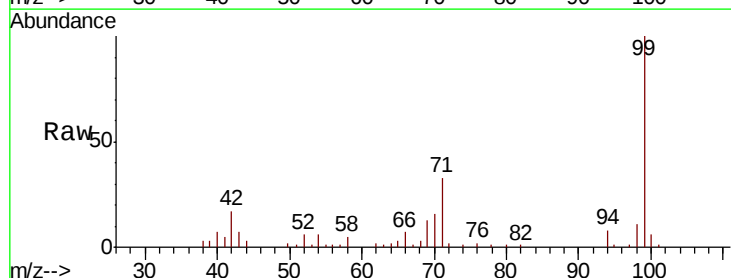
Tgt Ion: 94 Resp: 9388

Ion Ratio Lower Upper

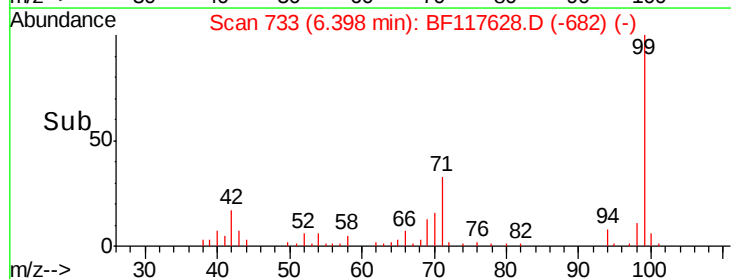
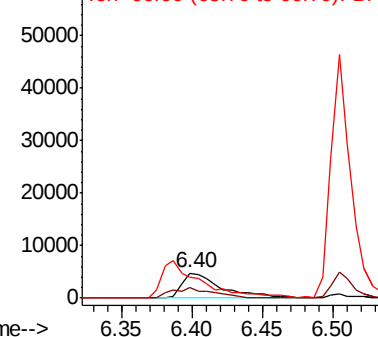
94 100

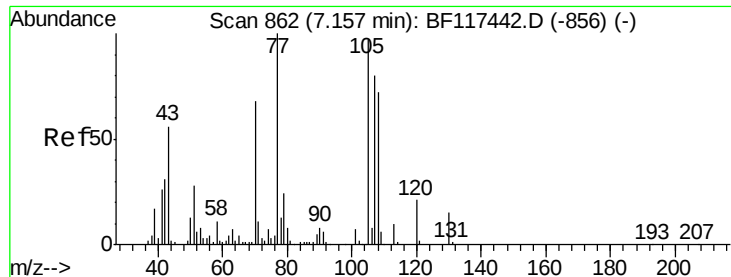
65 40.3 23.4 63.4

66 84.4 54.7 94.7



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

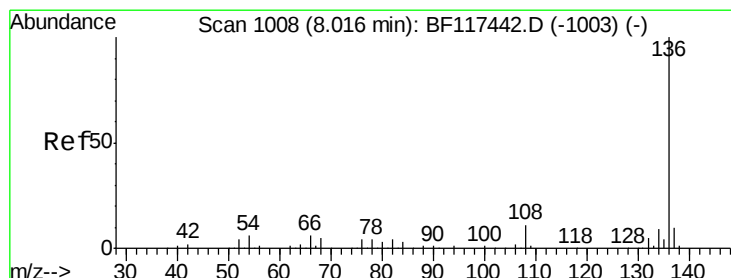
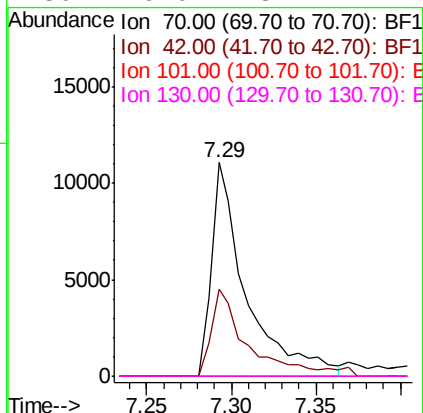
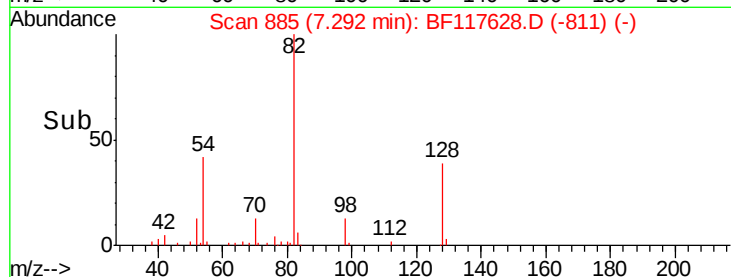
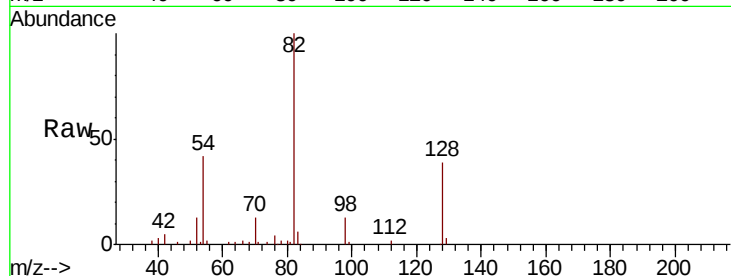




#19
n-Nitroso-di-n-propylamine
Concen: 8.176 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117628.D
Acq: 30 Oct 2019 16:52

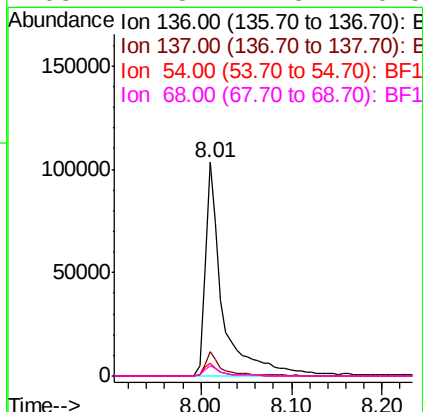
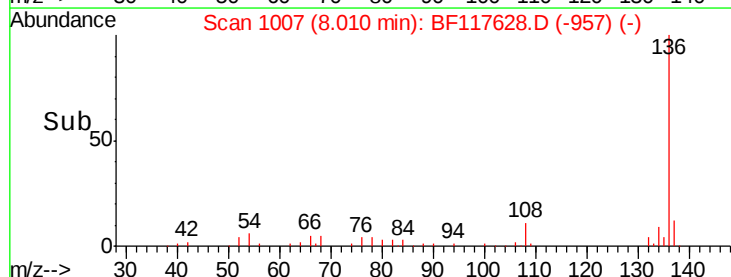
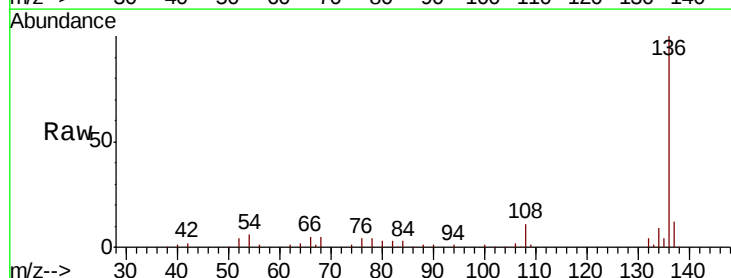
Instrument :
BNA_F
ClientSampleId :

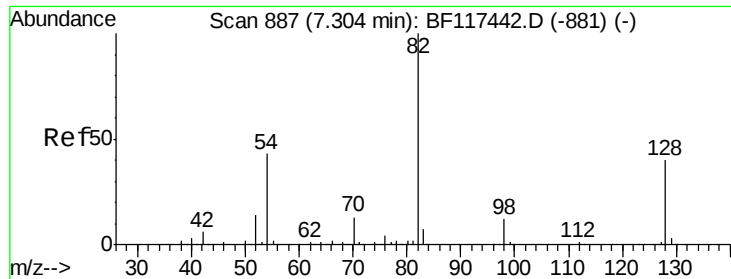
Tot Ion: 70 Resp: 15852
Ion Ratio Lower Upper
70 100
42 40.7 36.7 55.1
101 0.0 8.3 12.5#
130 0.0 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117628.D
Acq: 30 Oct 2019 16:52

Tgt Ion: 136 Resp: 140591
Ion Ratio Lower Upper
136 100
137 11.5 8.2 12.4
54 5.9 4.5 6.7
68 4.8 4.3 6.5

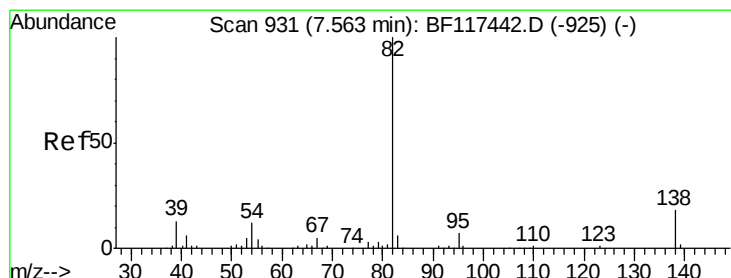
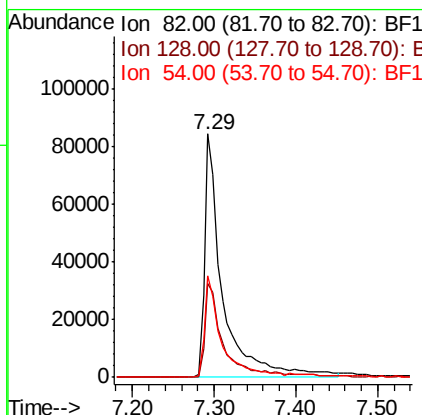
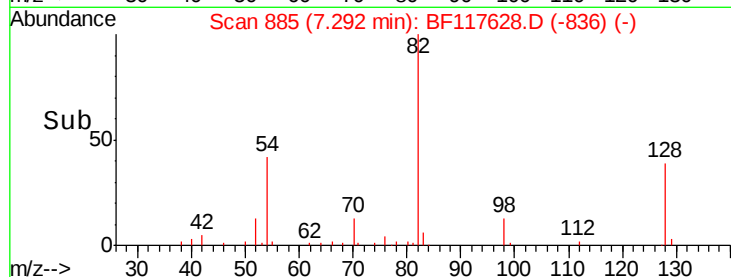
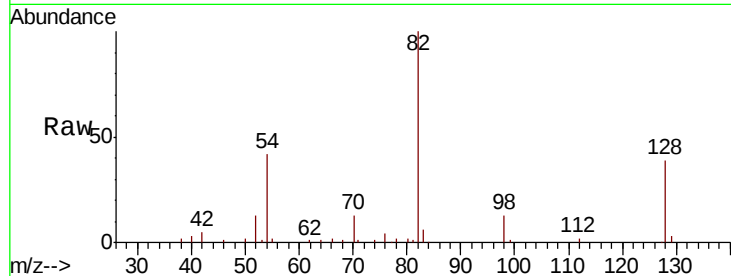




#23
Nitrobenzene-d5
Concen: 45.825 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117628.D
Acq: 30 Oct 2019 16:52

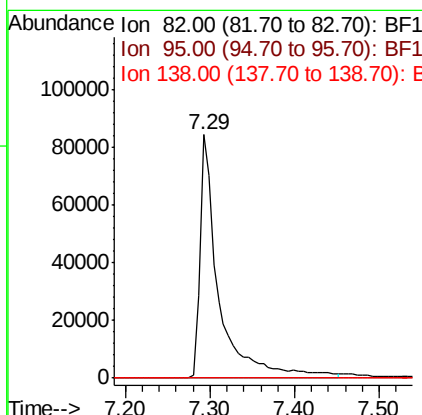
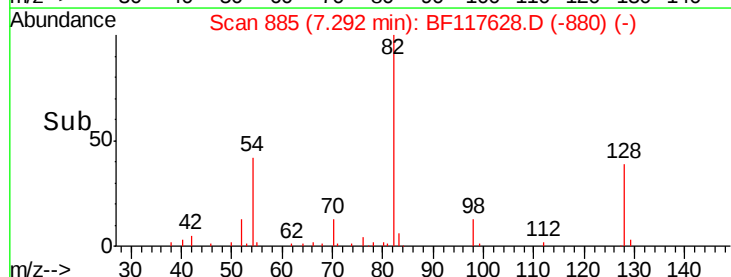
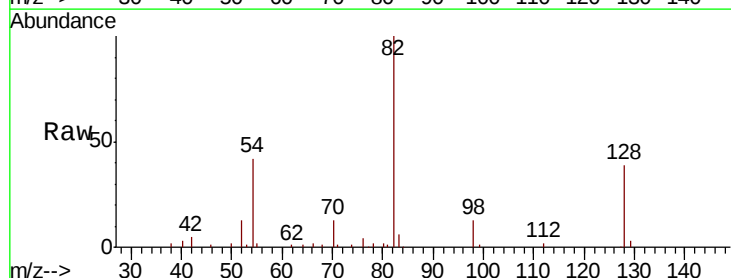
Instrument :
BNA_F
ClientSampleId :

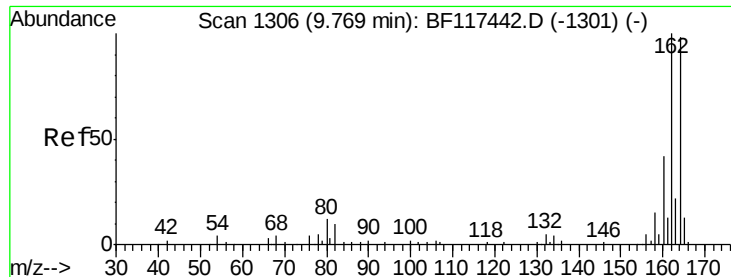
Tot Ion: 82 Resp: 130502
Ion Ratio Lower Upper
82 100
128 38.6 32.2 48.2
54 41.6 34.2 51.2



#25
Isophorone
Concen: 26.490 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117628.D
Acq: 30 Oct 2019 16:52

Tgt Ion: 82 Resp: 130501
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.2 21.2#

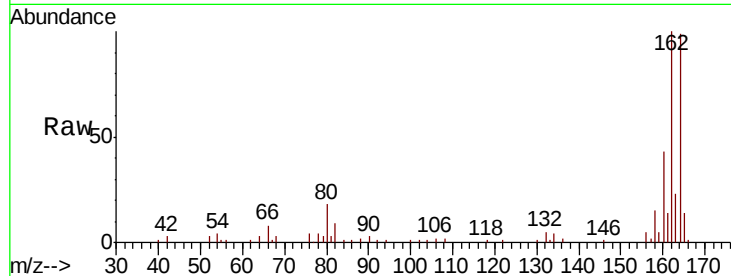




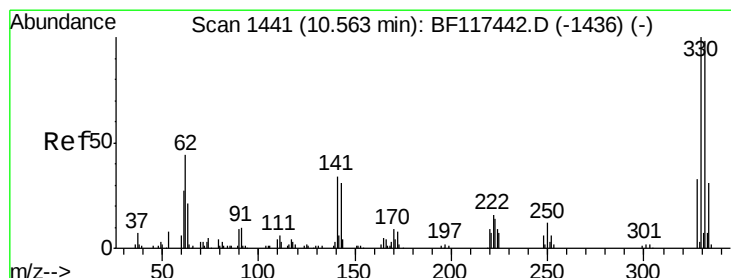
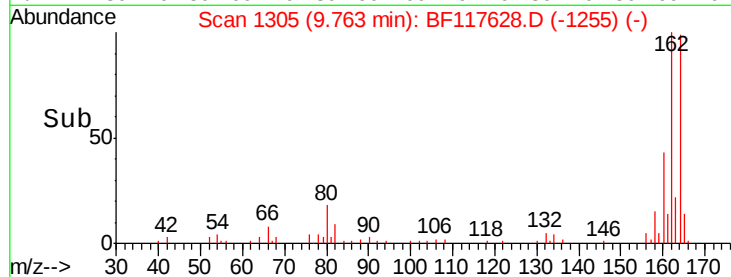
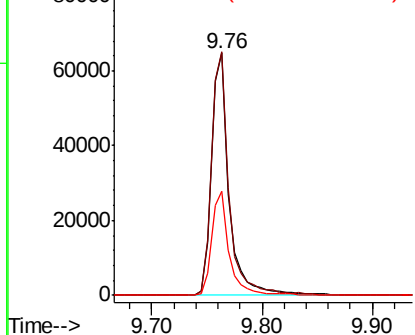
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117628.D
Acq: 30 Oct 2019 16:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 69948
Ion Ratio Lower Upper
164 100
162 100.6 81.8 122.6
160 43.2 34.4 51.6

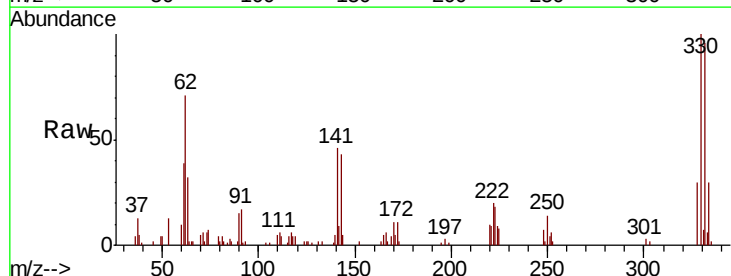


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

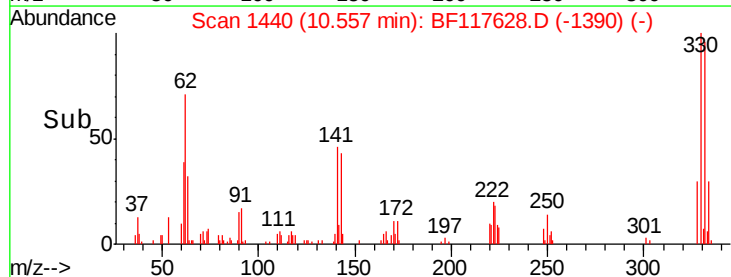
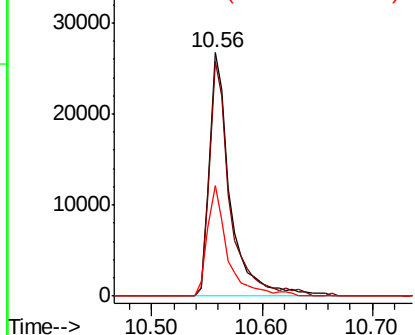


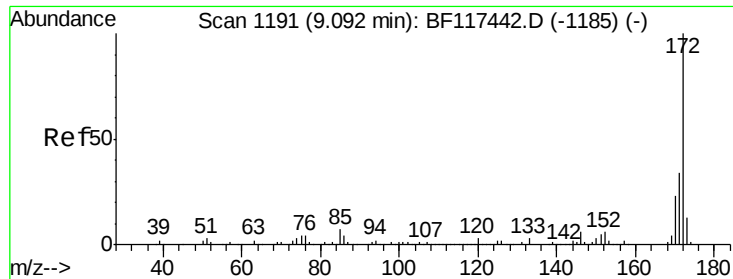
#42
2,4,6-Tribromophenol
Concen: 56.613 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117628.D
Acq: 30 Oct 2019 16:52

Tgt Ion:330 Resp: 34264
Ion Ratio Lower Upper
330 100
332 95.6 78.5 117.7
141 43.5 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

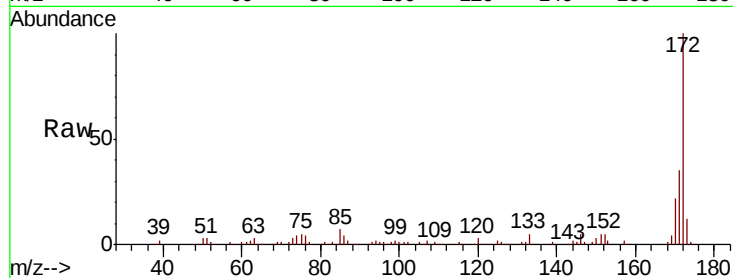




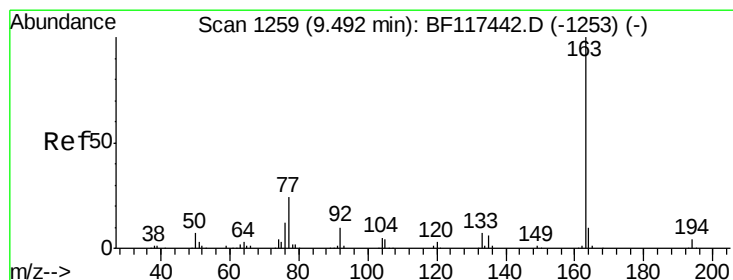
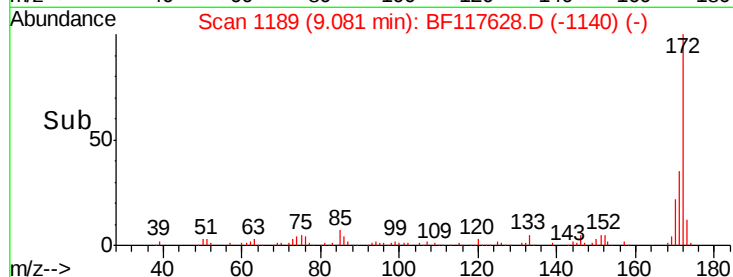
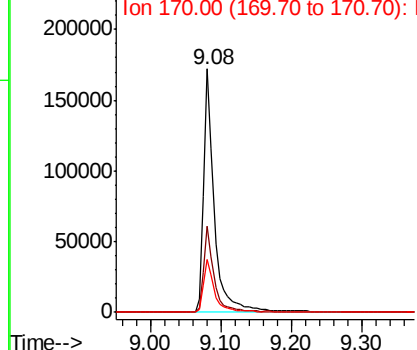
#45
2-Fluorobiphenyl
Concen: 37.833 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117628.D
Acq: 30 Oct 2019 16:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 187818
Ion Ratio Lower Upper
172 100
171 35.2 27.5 41.3
170 21.8 18.6 27.8

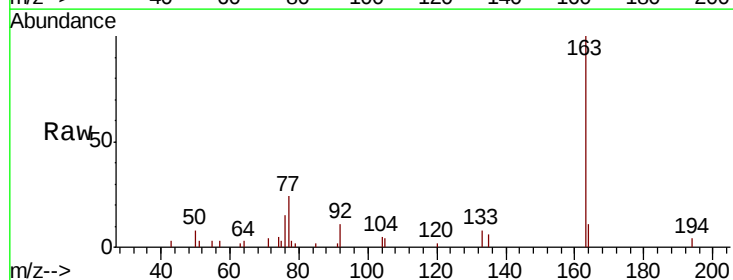


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

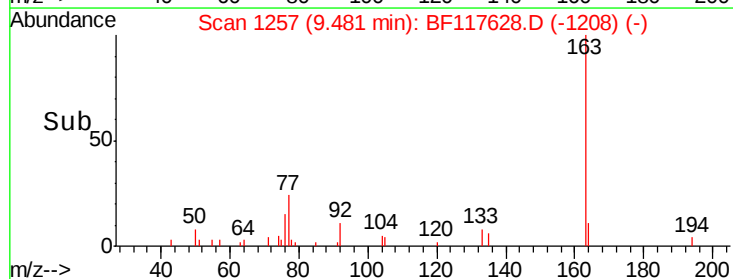
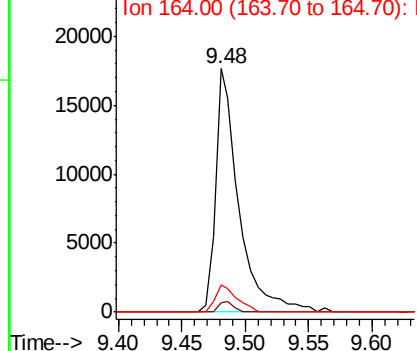


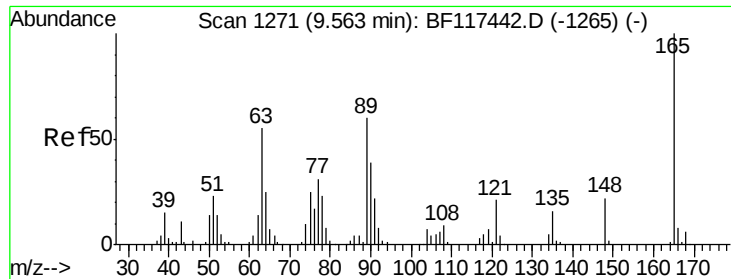
#50
Dimethylphthalate
Concen: 4.556 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117628.D
Acq: 30 Oct 2019 16:52

Tgt Ion:163 Resp: 22721
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 11.2 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: 8.745 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF117628.D

Acq: 30 Oct 2019 16:52

Instrument :
BNA_F
ClientSampleId :

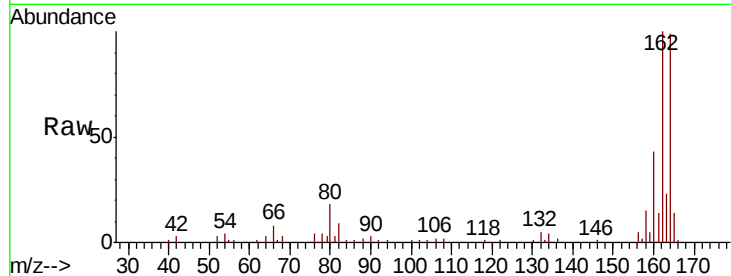
Tot Ion:165 Resp: 9100

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

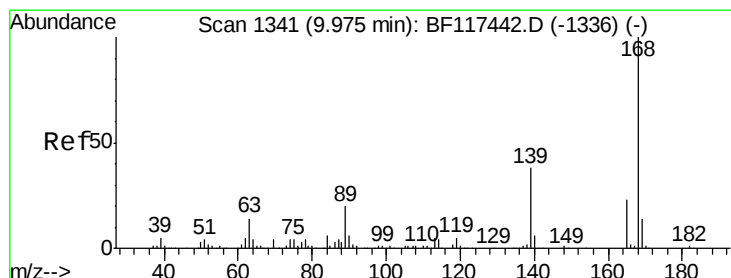
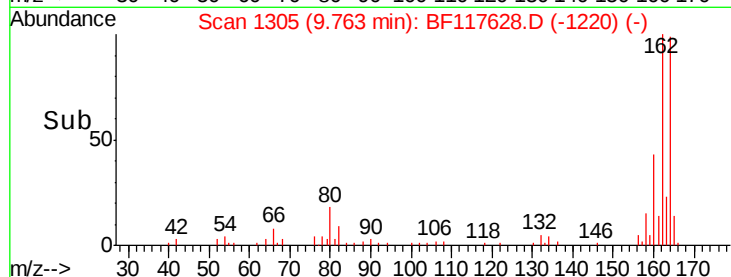
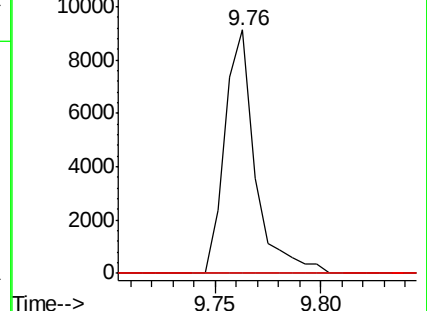
89 0.0 47.6 71.4#



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: 6.578 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.21 min

Lab File: BF117628.D

Acq: 30 Oct 2019 16:52

Tgt Ion:165 Resp: 9100

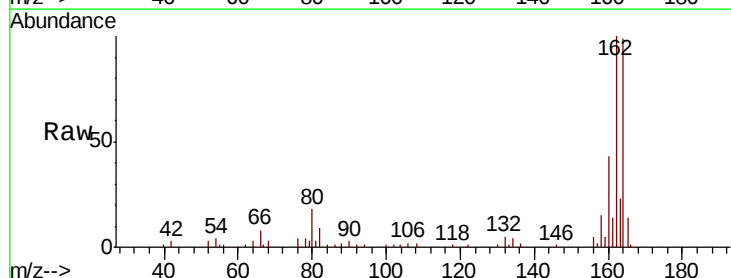
Ion Ratio Lower Upper

165 100

63 0.0 51.4 77.0#

89 0.0 69.9 104.9#

182 0.0 1.9 2.9#

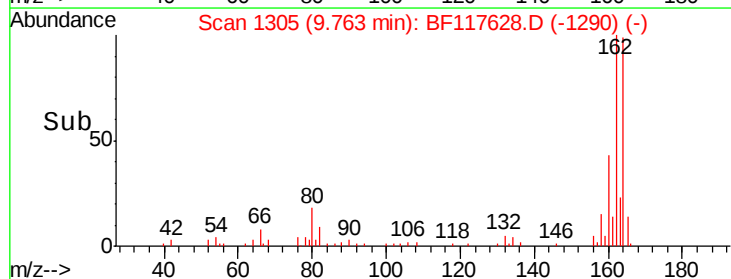
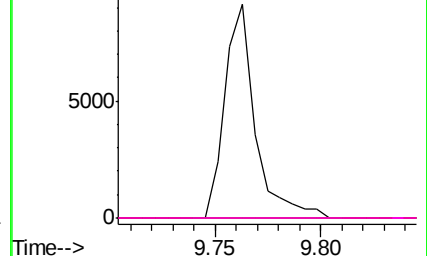


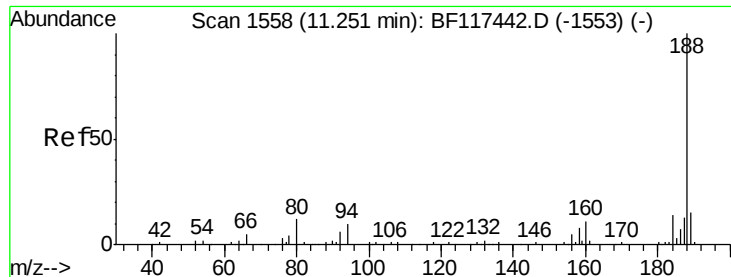
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF117628.D

Acq: 30 Oct 2019 16:52

Instrument :

BNA_F

ClientSampleId :

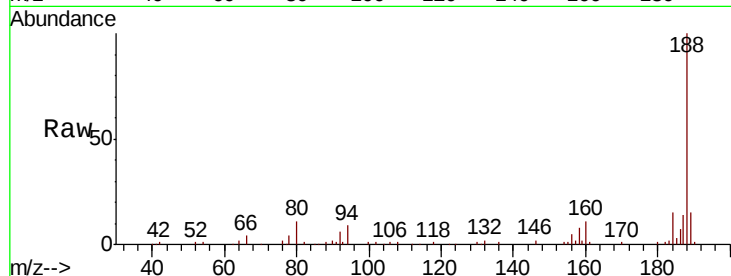
Tot Ion:188 Resp: 102267

Ion Ratio Lower Upper

188 100

94 9.3 8.0 12.0

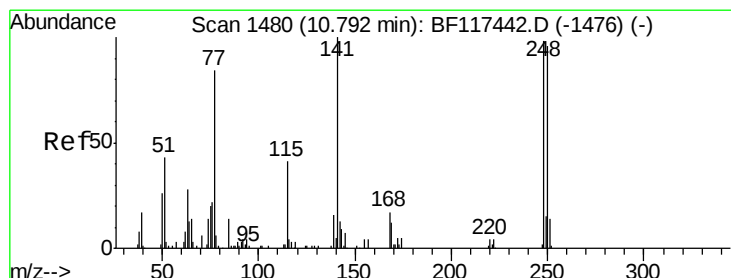
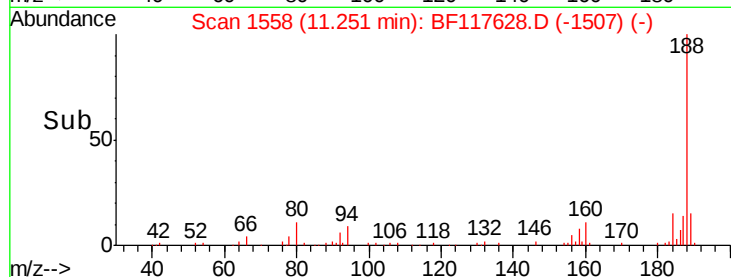
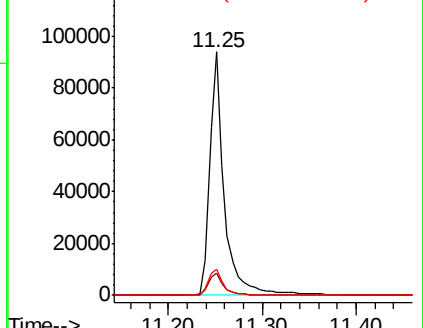
80 10.7 9.5 14.3



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



#67

4-Bromophenyl-phenylether

Concen: 2.046 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117628.D

Acq: 30 Oct 2019 16:52

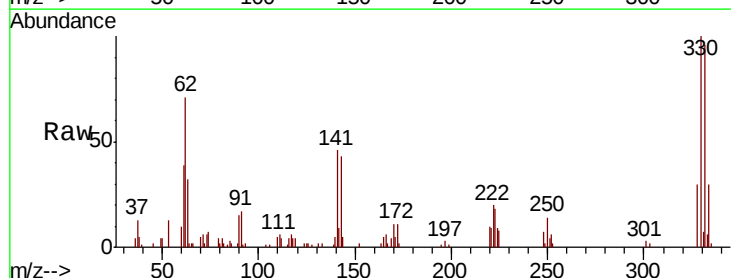
Tgt Ion:248 Resp: 2254

Ion Ratio Lower Upper

248 100

250 201.7 78.0 117.0#

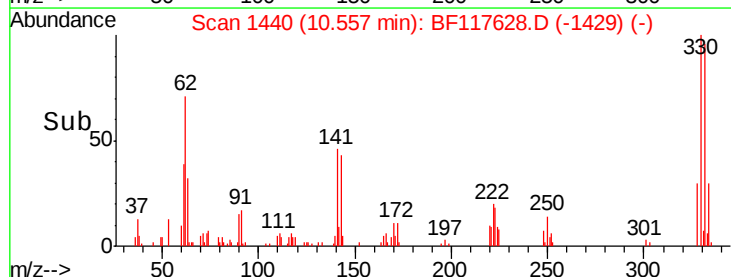
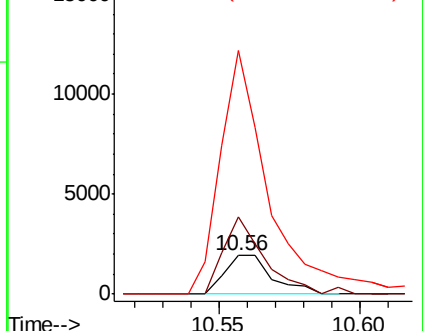
141 634.8 81.7 122.5#

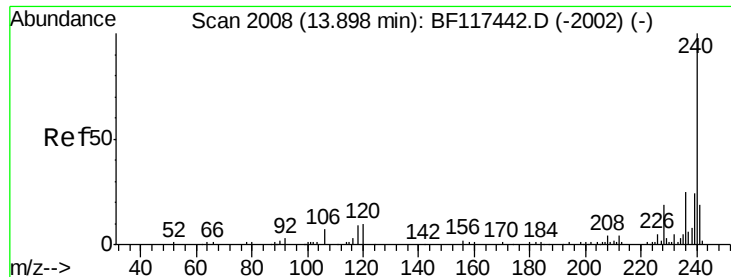


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

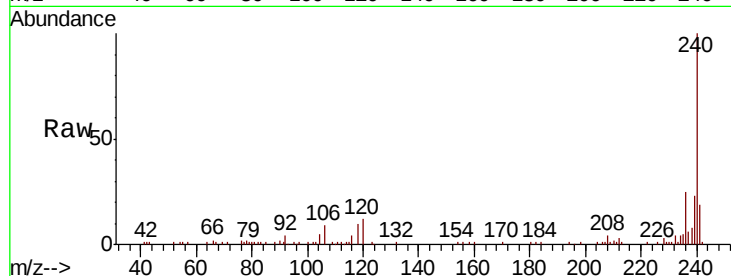




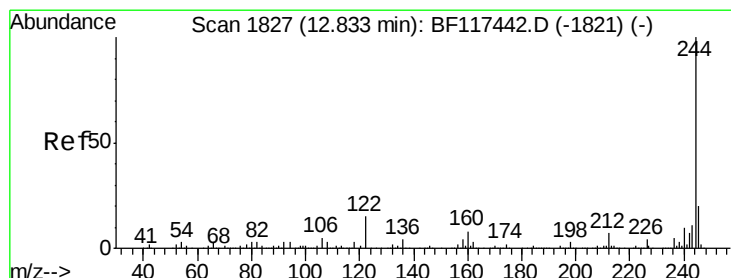
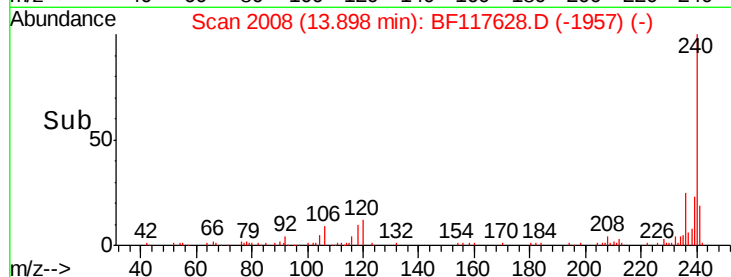
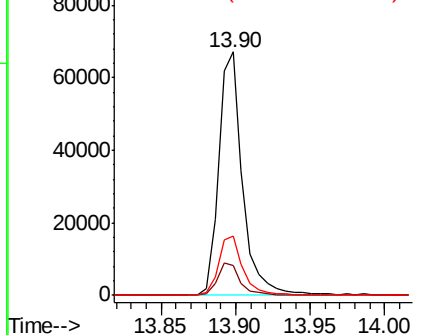
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: BF117628.D
 Acq: 30 Oct 2019 16:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 75188
 Ion Ratio Lower Upper
 240 100
 120 12.2 8.4 12.6
 236 24.6 20.0 30.0

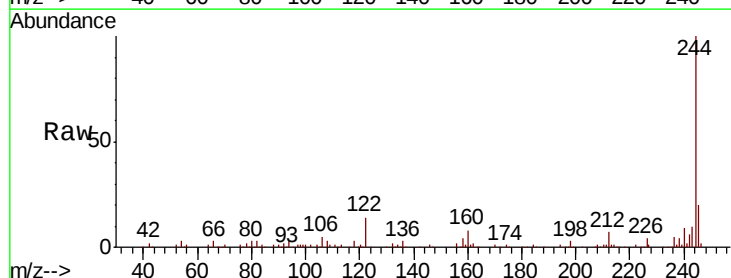


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

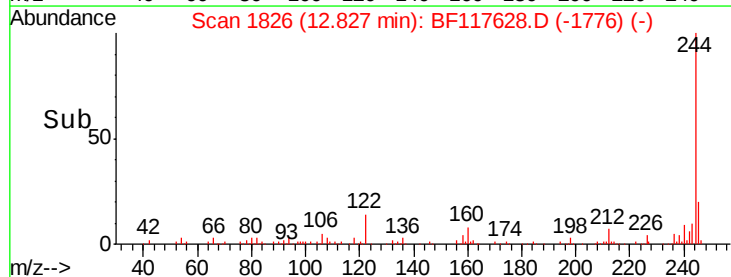
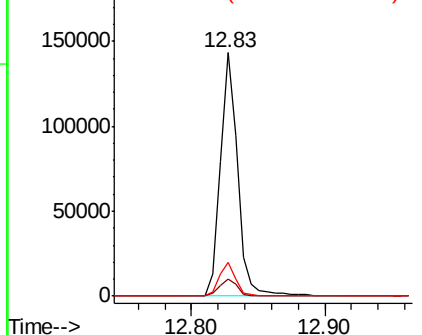


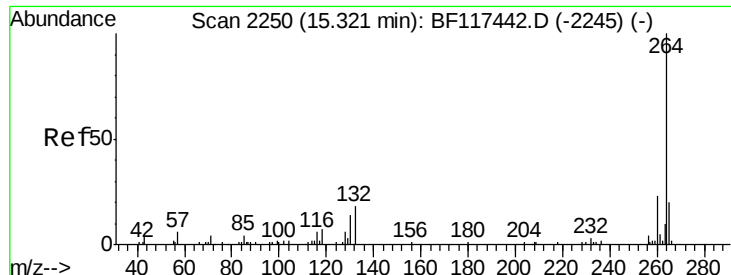
#79
 Terphenyl-d14
 Concen: 28.577 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117628.D
 Acq: 30 Oct 2019 16:52

Tgt Ion:244 Resp: 131728
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 13.8 11.8 17.8



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: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF117628.D
Acq: 30 Oct 2019 16:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.1	18.4	27.6
265	20.3	16.1	24.1

