

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
 Data File : BF117454.D
 Acq On : 21 Oct 2019 18:23
 Operator : JU
 Sample : PB124157TB
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 01:54:16 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

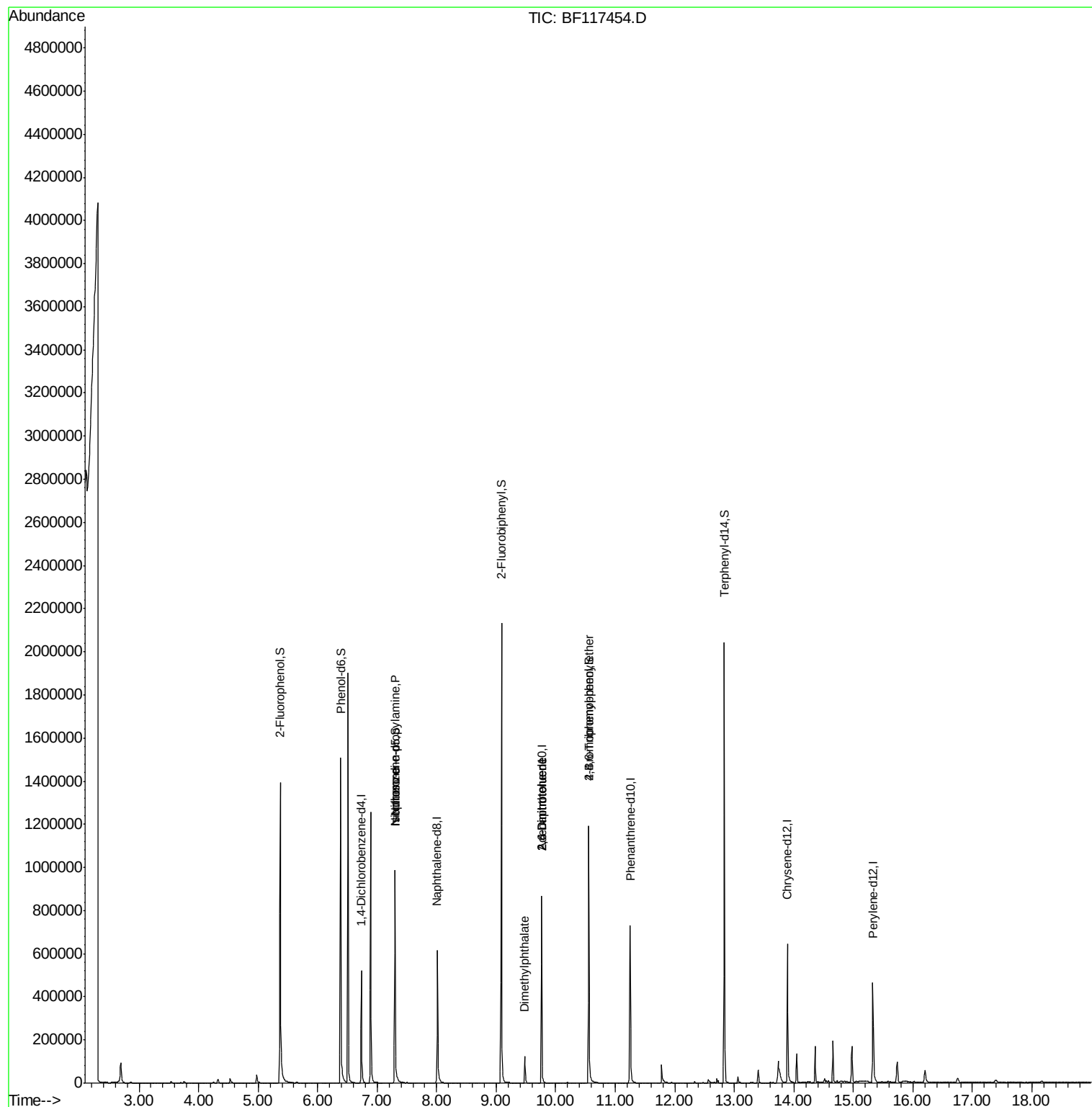
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	80090	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	338275	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	178265	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	301961	20.00	ng	0.00
76) Chrysene-d12	13.89	240	220971	20.00	ng	0.00
87) Perylene-d12	15.33	264	181454	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	442827	82.26	ng	0.02
7) Phenol-d6	6.39	99	573936	79.38	ng	0.00
23) Nitrobenzene-d5	7.30	82	372978	54.43	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	132781	86.08	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	686053	54.22	ng	0.00
79) Terphenyl-d14	12.83	244	724431	53.47	ng	0.00
Target Compounds						
9) Benzaldehyde	6.39	77	725	Below Cal	Qvalue	# 3
19) n-Nitroso-di-n-propylamine	7.30	70	49632	11.239 ng	#	78
25) Isophorone	7.30	82	372974	31.465 ng	#	65
50) Dimethylphthalate	9.48	163	53574	4.216 ng		98
51) 2,6-Dinitrotoluene	9.76	165	22554	8.505 ng	#	24
57) 2,4-Dinitrotoluene	9.76	165	22554	6.397 ng	#	13
67) 4-Bromophenyl-phenylether	10.56	248	8414	2.587 ng	#	1
77) Benzidine	12.83	184	9661	Below Cal		95

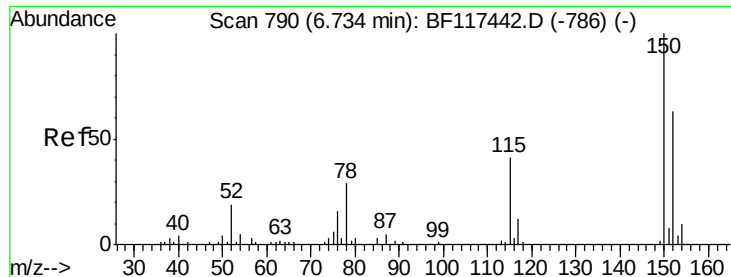
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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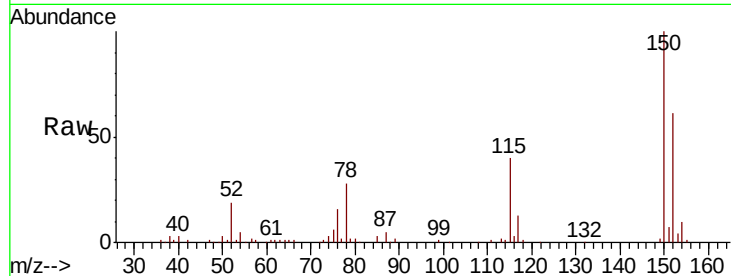


#1

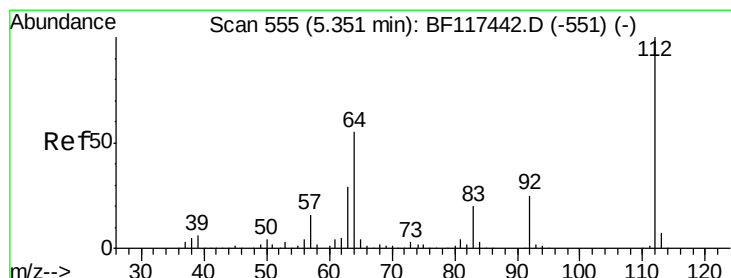
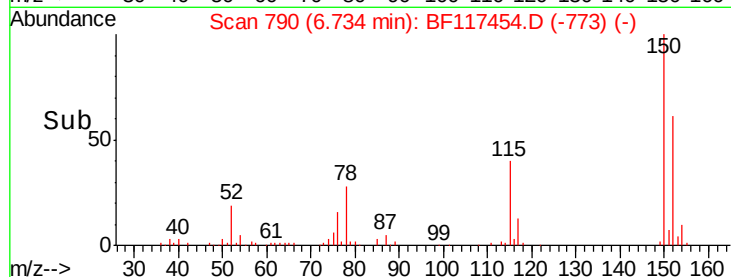
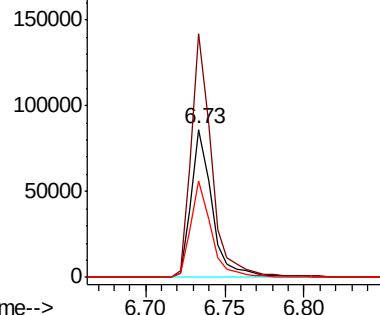
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF117454.D
Acq: 21 Oct 2019 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 80090
Ion Ratio Lower Upper
152 100
150 164.2 126.8 190.2
115 65.0 51.6 77.4



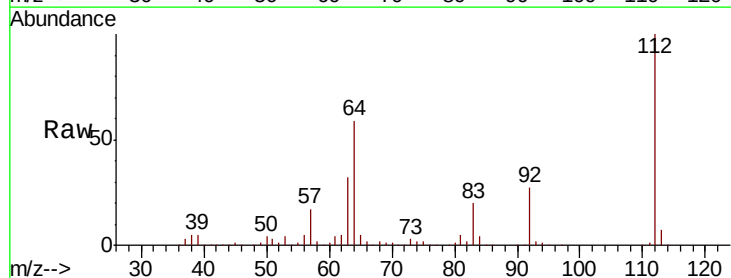
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



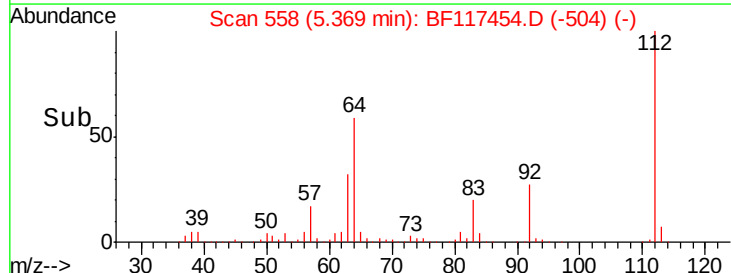
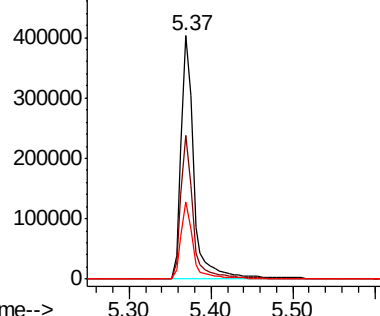
#5

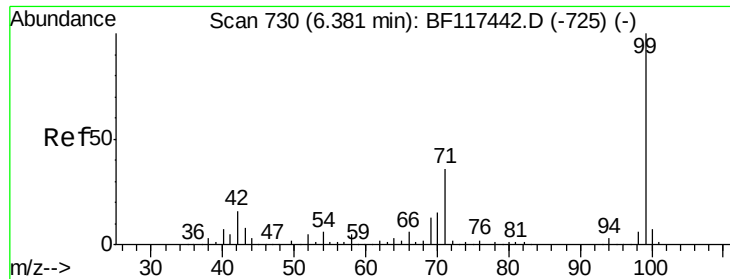
2-Fluorophenol
Concen: 82.257 ng
RT: 5.37 min Scan# 558
Delta R.T. 0.02 min
Lab File: BF117454.D
Acq: 21 Oct 2019 18:23

Tgt Ion:112 Resp: 442827
Ion Ratio Lower Upper
112 100
64 59.0 44.1 66.1
63 31.7 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: 79.376 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117454.D

Acq: 21 Oct 2019 18:23

Instrument :

BNA_F

ClientSampleId :

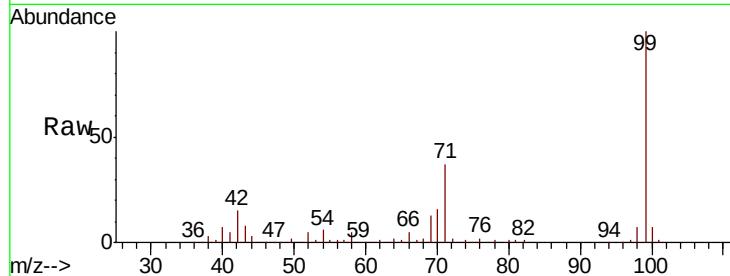
Tot Ion: 99 Resp: 573936

Ion Ratio Lower Upper

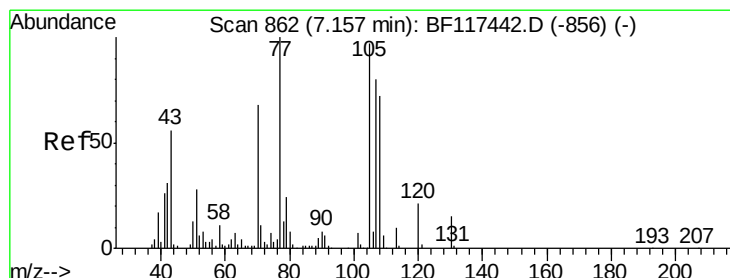
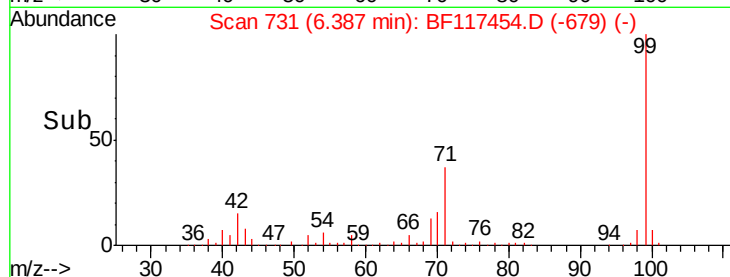
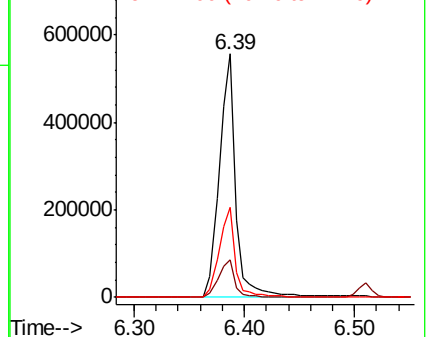
99 100

42 15.4 12.8 19.2

71 36.9 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: 11.239 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117454.D

Acq: 21 Oct 2019 18:23

Tgt Ion: 70 Resp: 49632

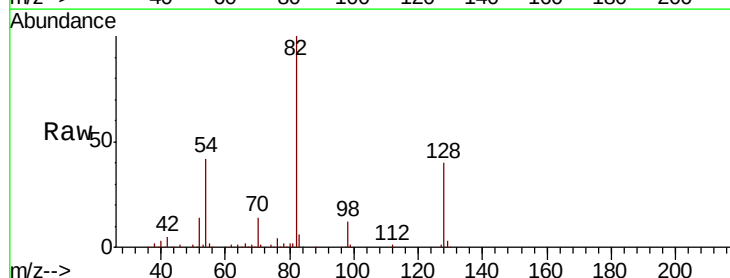
Ion Ratio Lower Upper

70 100

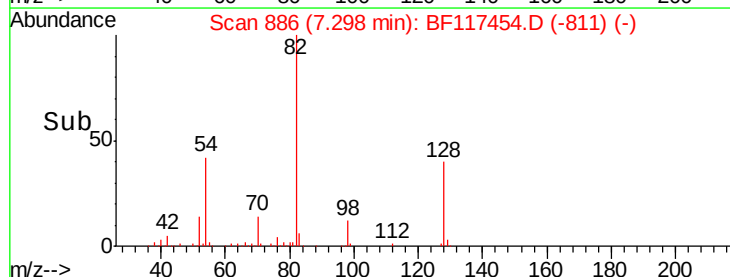
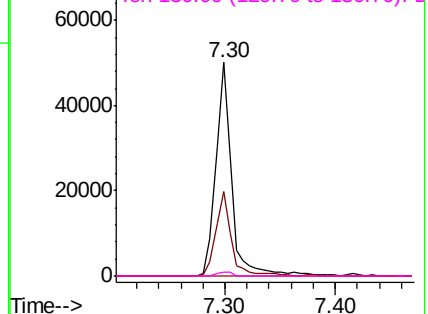
42 39.3 36.7 55.1

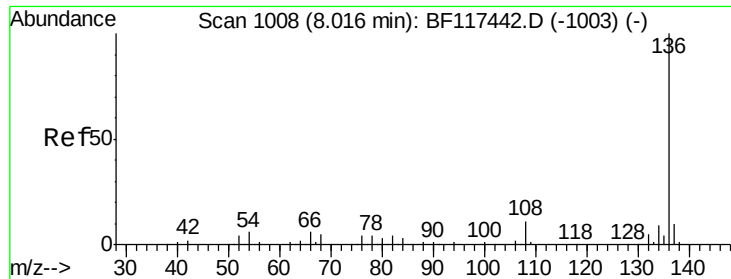
101 0.0 8.3 12.5#

130 1.7 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): E
Ion 130.00 (129.70 to 130.70): E

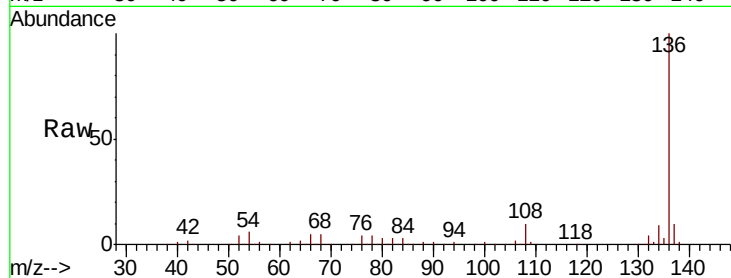




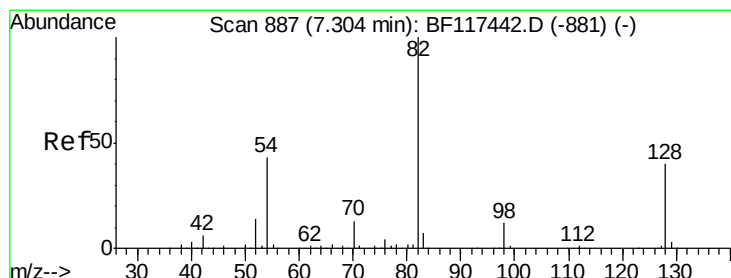
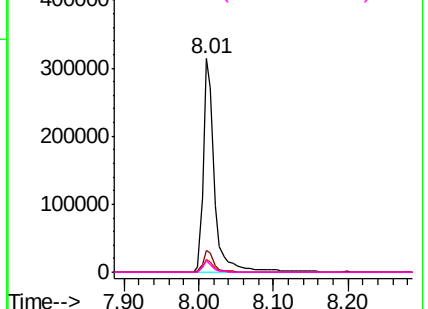
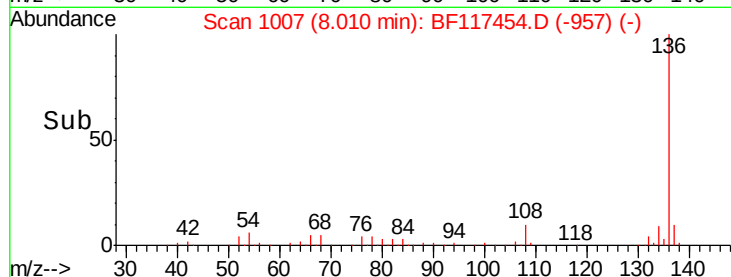
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117454.D
Acq: 21 Oct 2019 18:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	338275
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.2	12.4
54	6.3	4.5	6.7
68	5.4	4.3	6.5

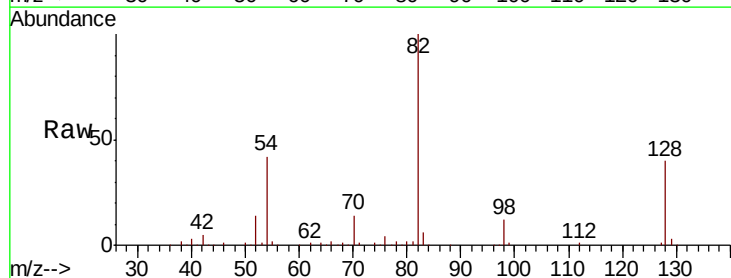


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

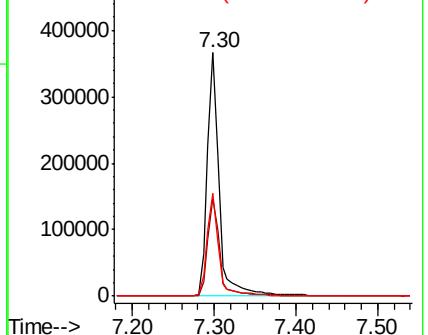
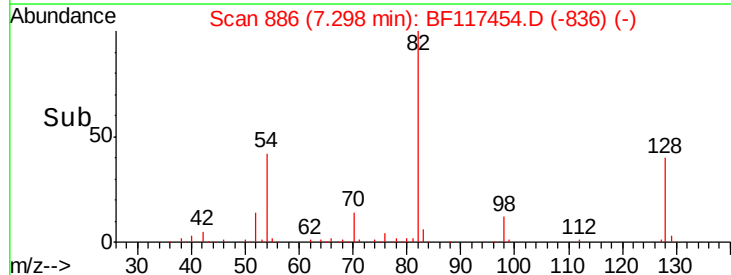


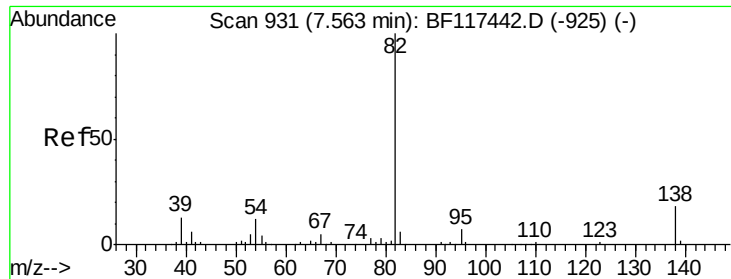
#23
Nitrobenzene-d5
Concen: 54.432 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117454.D
Acq: 21 Oct 2019 18:23

Tgt Ion:	82	Resp:	372978
Ion	Ratio	Lower	Upper
82	100		
128	40.0	32.2	48.2
54	42.5	34.2	51.2



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





#25

Isophorone

Concen: 31.465 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117454.D

Acq: 21 Oct 2019 18:23

Instrument :

BNA_F

ClientSampled :

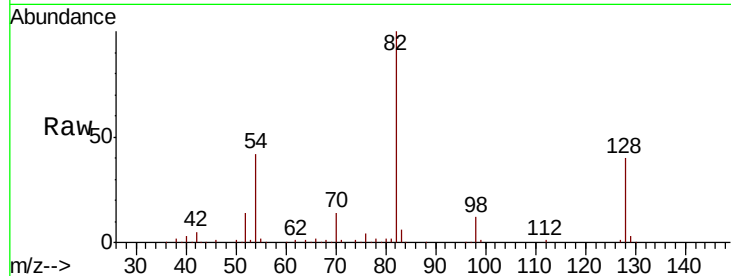
Tot Ion: 82 Resp: 372974

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

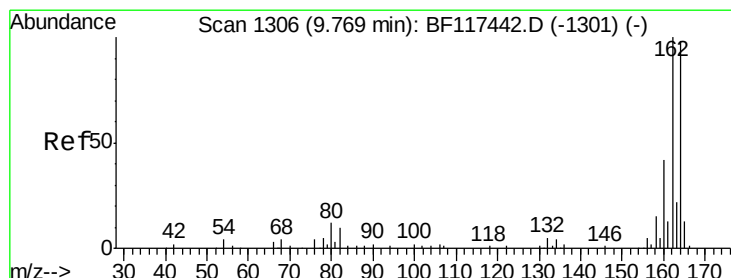
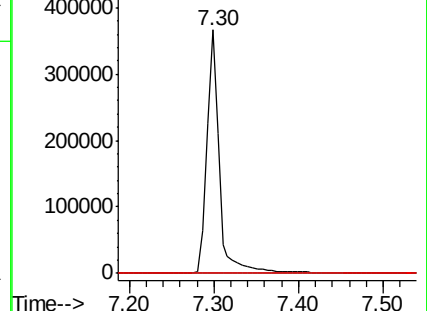
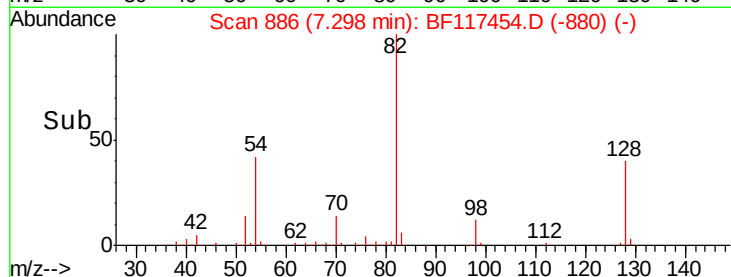
138 0.0 14.2 21.2#



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: BF117454.D

Acq: 21 Oct 2019 18:23

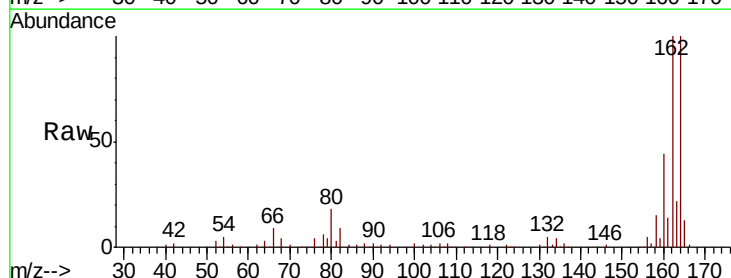
Tgt Ion: 164 Resp: 178265

Ion Ratio Lower Upper

164 100

162 100.1 81.8 122.6

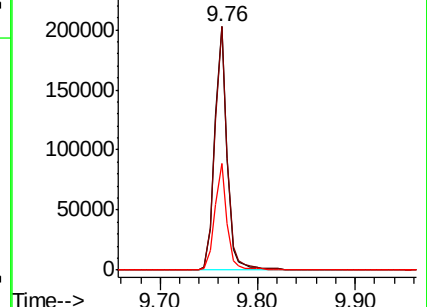
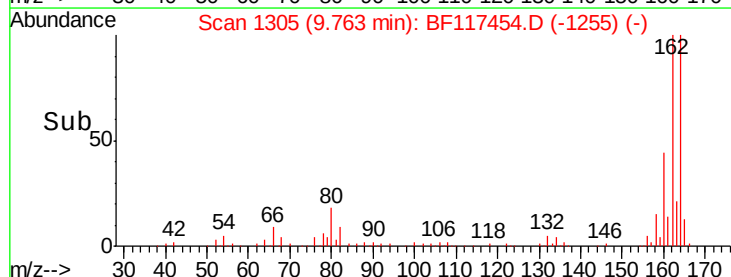
160 43.8 34.4 51.6

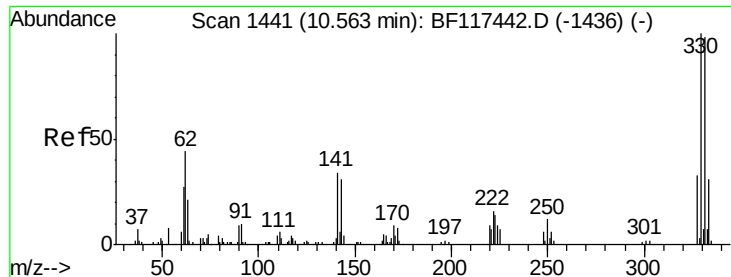


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 86.084 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117454.D

Acq: 21 Oct 2019 18:23

Instrument :

BNA_F

ClientSampleId :

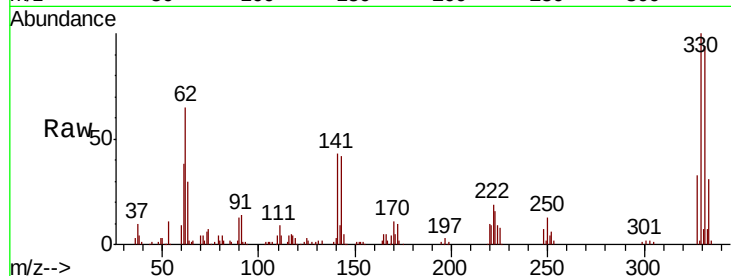
Tot Ion:330 Resp: 132781

Ion Ratio Lower Upper

330 100

332 96.9 78.5 117.7

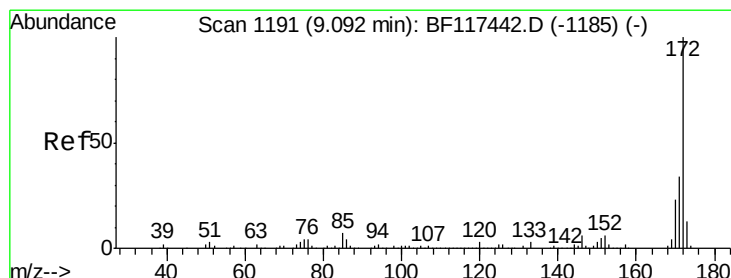
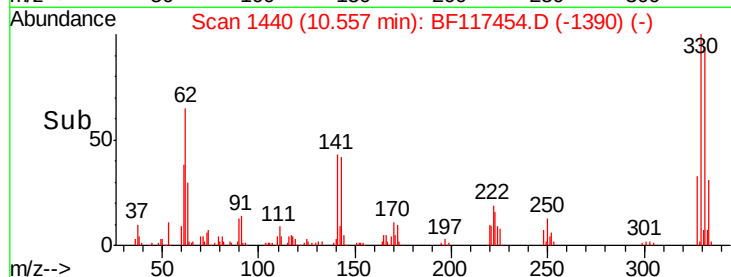
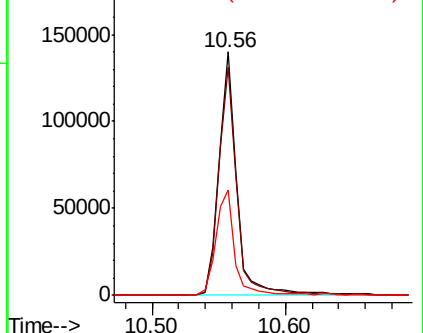
141 46.1 37.0 55.6



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: 54.225 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF117454.D

Acq: 21 Oct 2019 18:23

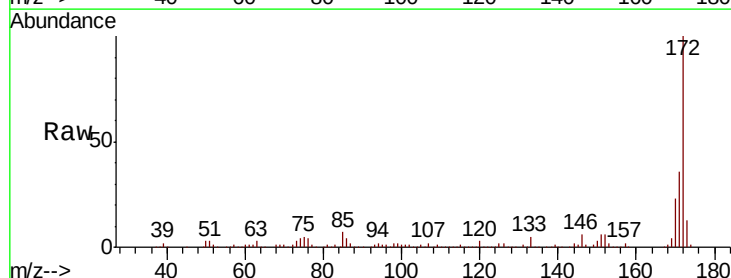
Tgt Ion:172 Resp: 686053

Ion Ratio Lower Upper

172 100

171 35.7 27.5 41.3

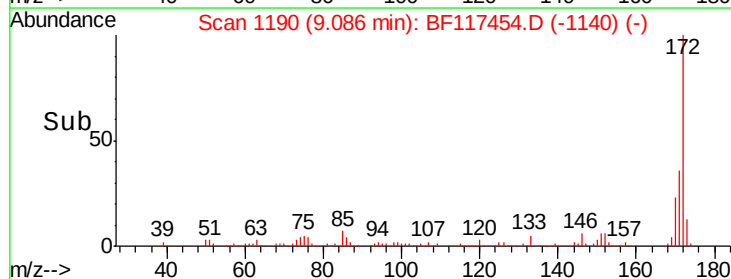
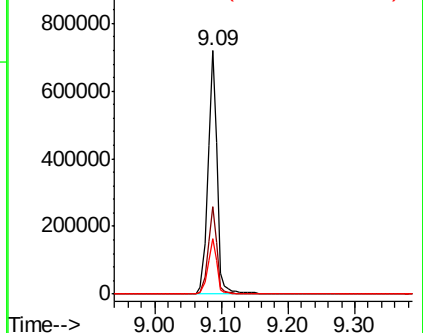
170 22.6 18.6 27.8

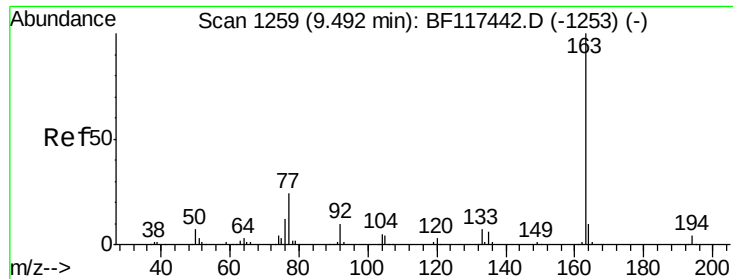


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

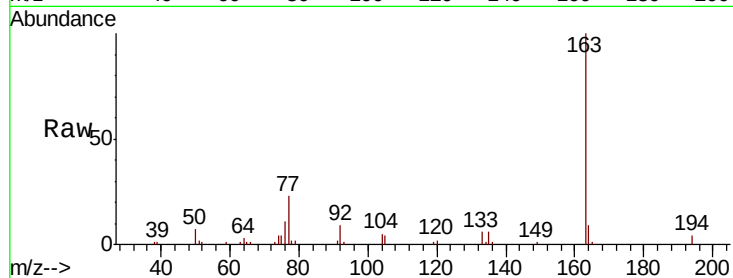




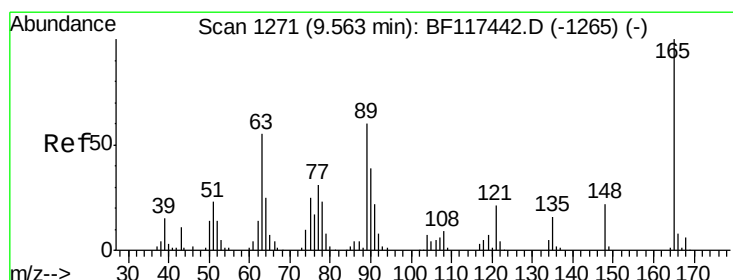
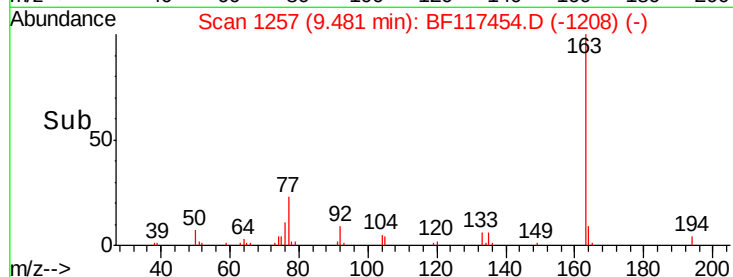
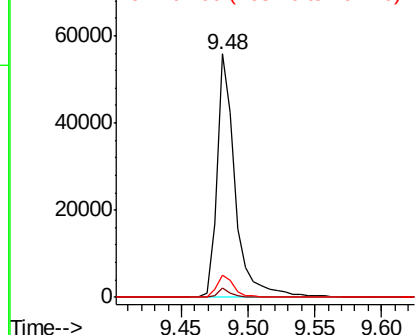
#50
Dimethylphthalate
Concen: 4.216 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117454.D
Acq: 21 Oct 2019 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	9.2	8.2	12.2

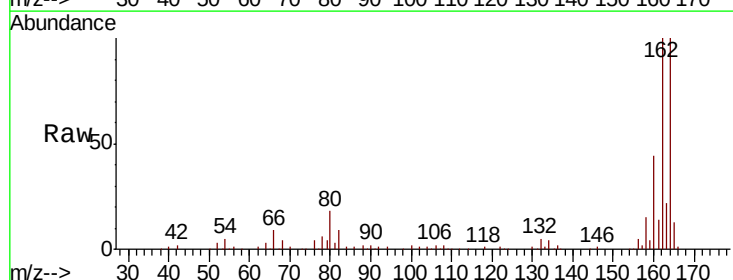


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

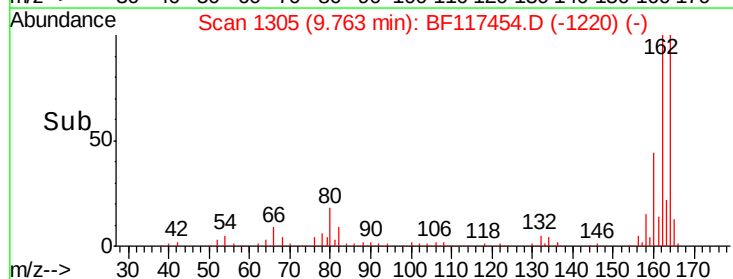
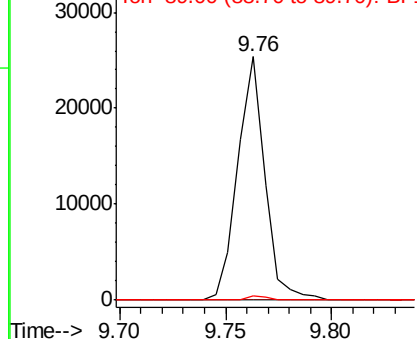


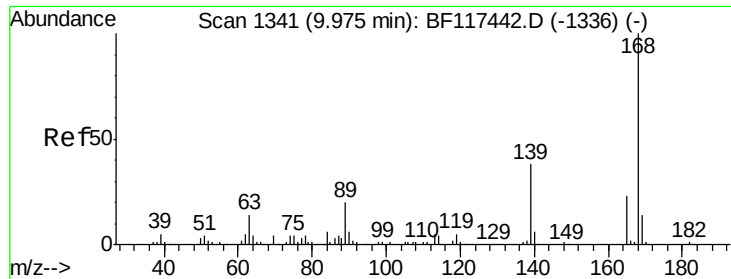
#51
2,6-Dinitrotoluene
Concen: 8.505 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF117454.D
Acq: 21 Oct 2019 18:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	1.5	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

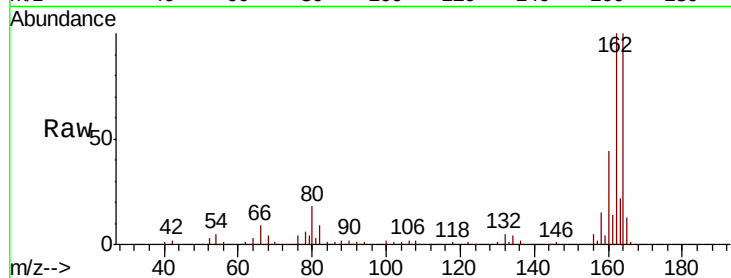




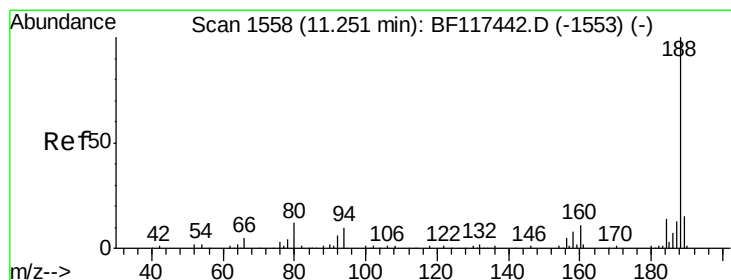
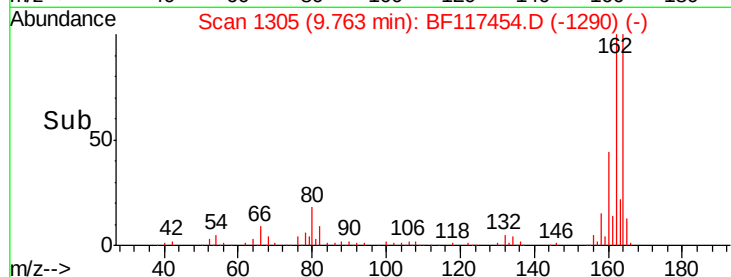
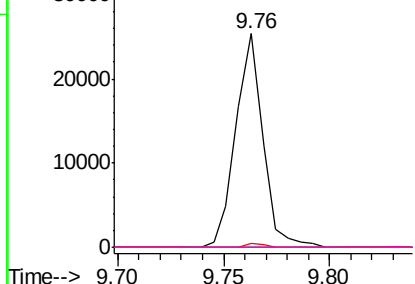
#57
 2,4-Dinitrotoluene
 Concen: 6.397 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117454.D
 Acq: 21 Oct 2019 18:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 22554
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 1.5 69.9 104.9#
 182 0.0 1.9 2.9#

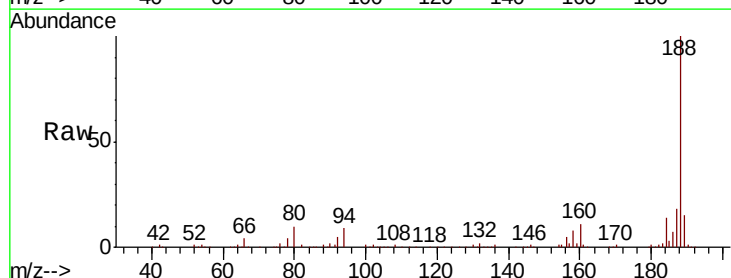


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

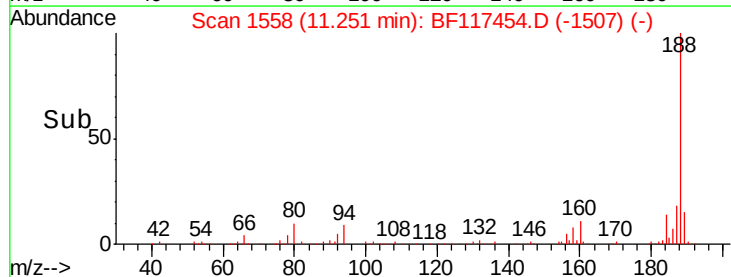
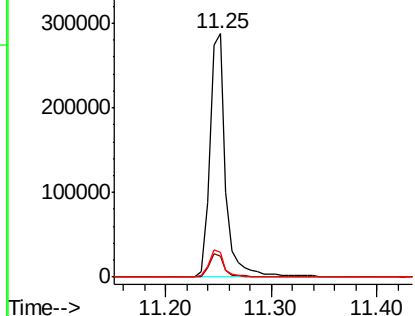


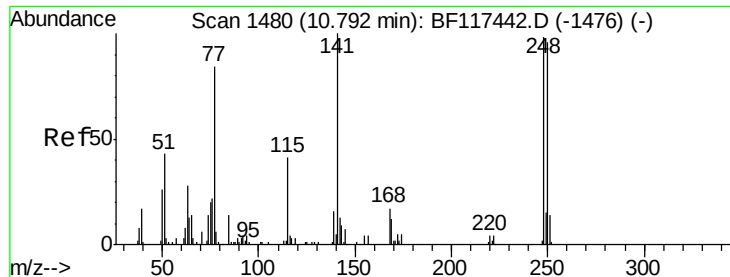
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF117454.D
 Acq: 21 Oct 2019 18:23

Tgt Ion:188 Resp: 301961
 Ion Ratio Lower Upper
 188 100
 94 8.5 8.0 12.0
 80 10.0 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: 2.587 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117454.D

Acq: 21 Oct 2019 18:23

Instrument :

BNA_F

ClientSampleId :

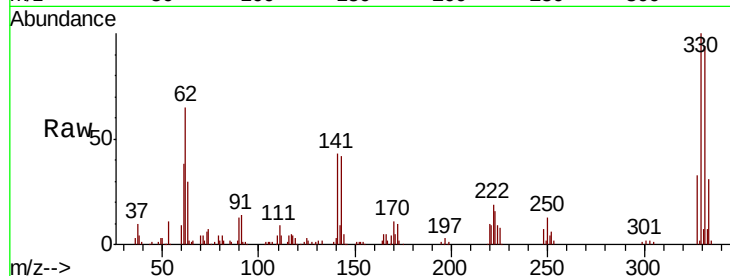
Tot Ion:248 Resp: 8414

Ion Ratio Lower Upper

248 100

250 179.5 78.0 117.0#

141 602.5 81.7 122.5#

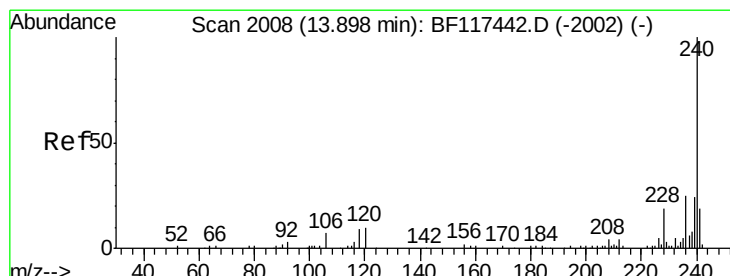
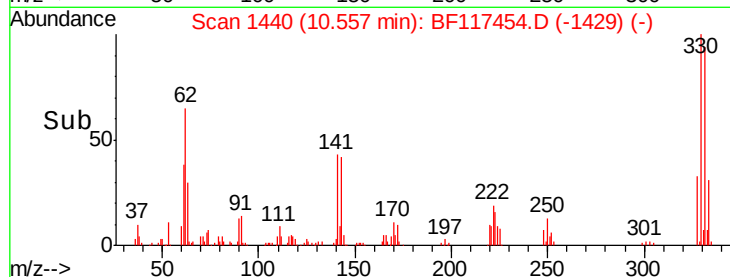
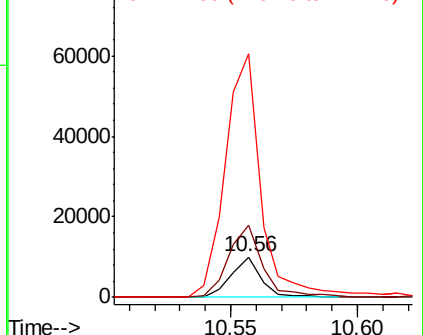


Abundance

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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117454.D

Acq: 21 Oct 2019 18:23

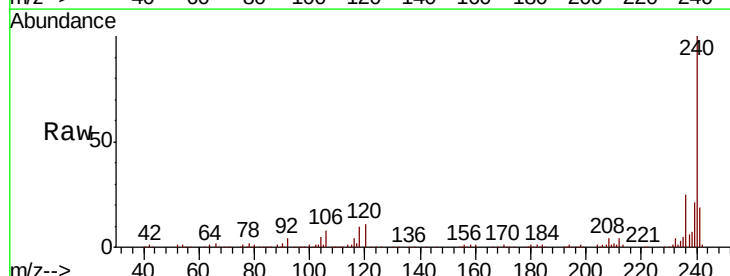
Tgt Ion:240 Resp: 220971

Ion Ratio Lower Upper

240 100

120 10.9 8.4 12.6

236 24.6 20.0 30.0

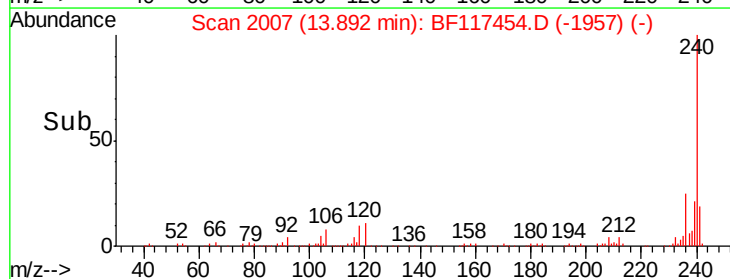
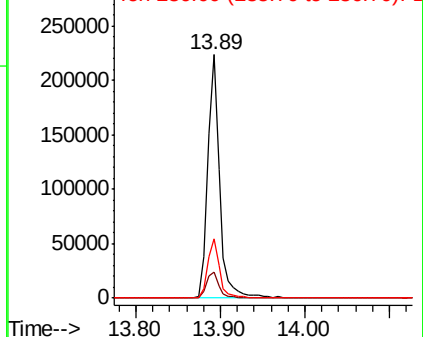


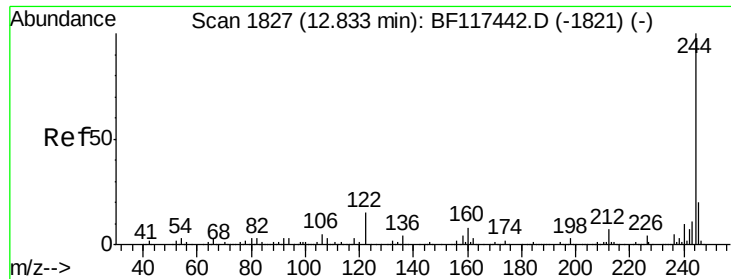
Abundance

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: 53.474 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF117454.D

Acq: 21 Oct 2019 18:23

Instrument :

BNA_F

ClientSampled :

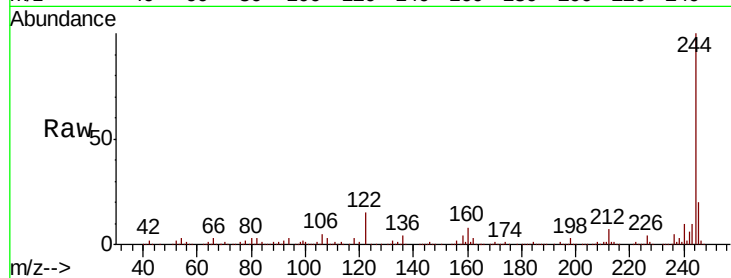
Tot Ion:244 Resp: 724431

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

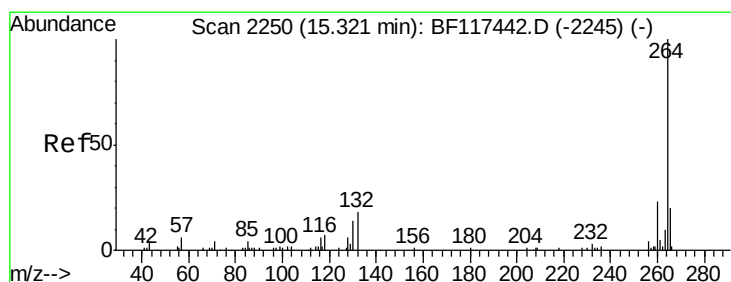
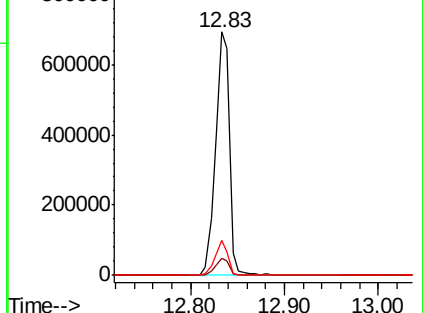
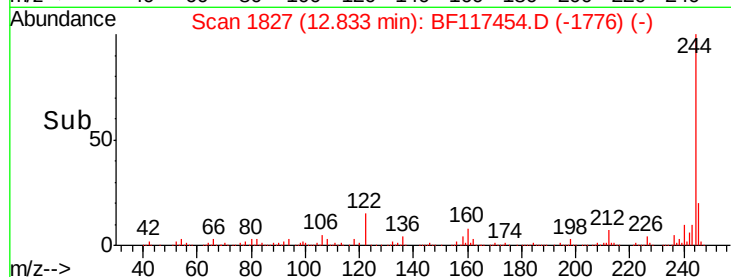
122 14.6 11.8 17.8



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

Perylene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF117454.D

Acq: 21 Oct 2019 18:23

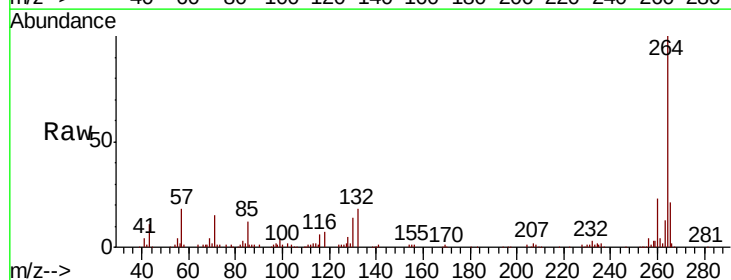
Tgt Ion:264 Resp: 181454

Ion Ratio Lower Upper

264 100

260 22.7 18.4 27.6

265 21.3 16.1 24.1



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

