

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082019\
 Data File : BF116451.D
 Acq On : 21 Aug 2019 00:54
 Operator : HP/JU
 Sample : K4403-20
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 21 06:56:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

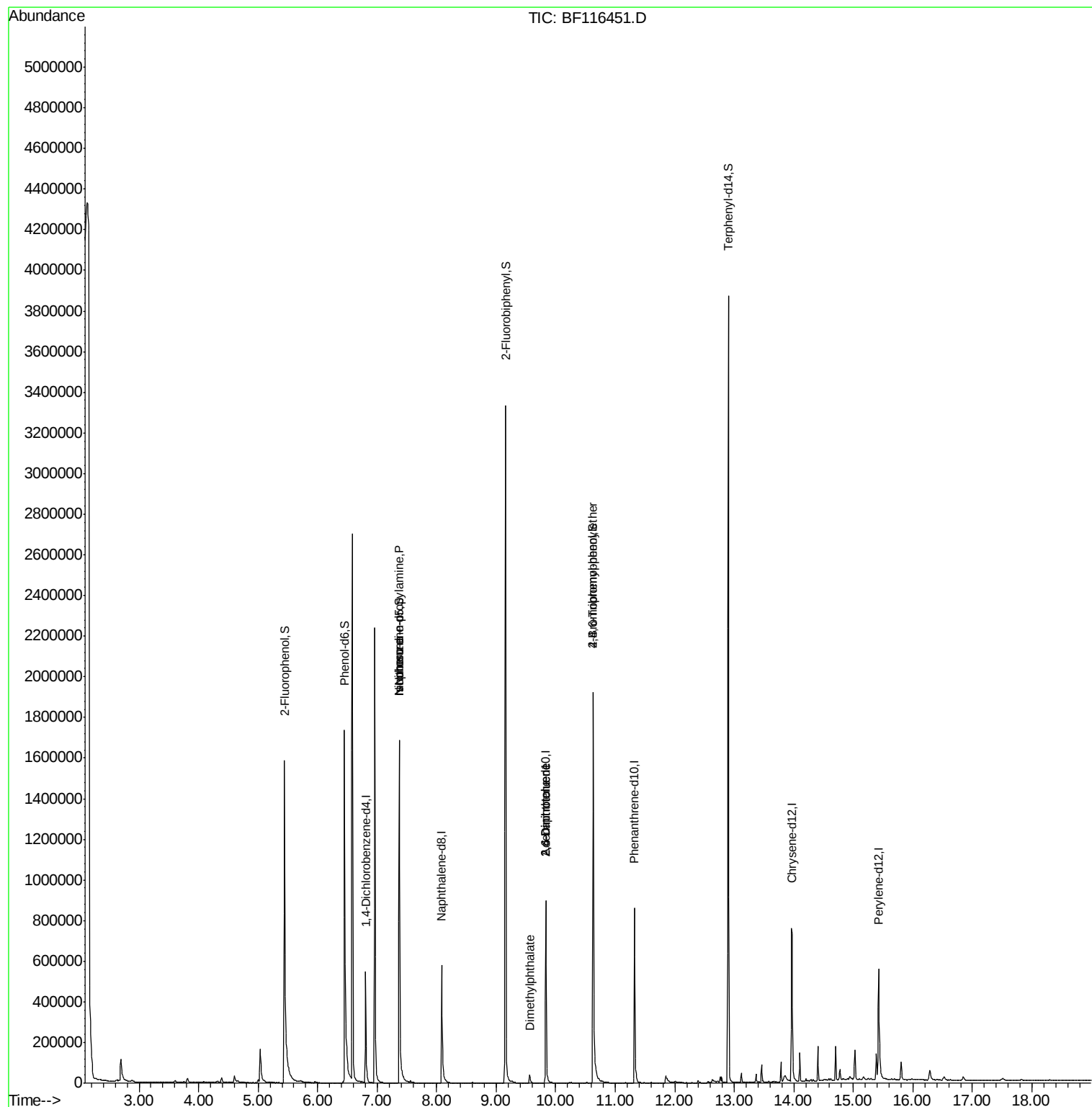
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	90160	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	347482	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	187556	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	357214	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	315407	20.00	ng	-0.02
87) Perylene-d12	15.42	264	317718	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	697212	129.46	ng	0.00
7) Phenol-d6	6.45	99	830693	122.25	ng	-0.01
23) Nitrobenzene-d5	7.37	82	637000	105.82	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	286892	157.77	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	1126700	112.52	ng	-0.01
79) Terphenyl-d14	12.90	244	1488450	99.44	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	82130	19.505	ng	# 79
25) Isophorone	7.37	82	637568	55.389	ng	# 65
50) Dimethylphthalate	9.56	163	28576	2.238	ng	100
51) 2,6-Dinitrotoluene	9.83	165	23723	8.548	ng	# 28
57) 2,4-Dinitrotoluene	9.83	165	23723	6.420	ng	# 20
67) 4-Bromophenyl-phenylether	10.63	248	17401	4.551	ng	# 1

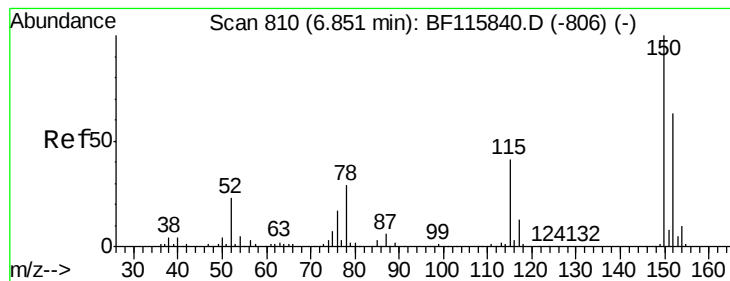
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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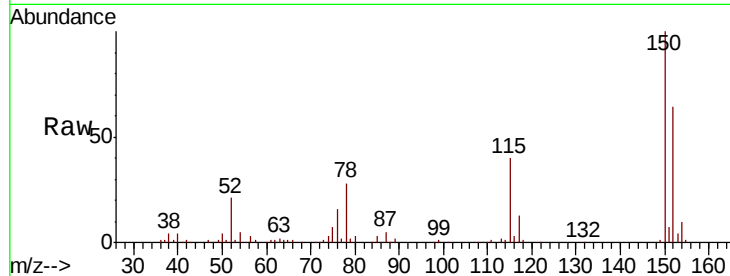


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116451.D
Acq: 21 Aug 2019 00:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.2	189.2
115	61.6	49.9	74.9

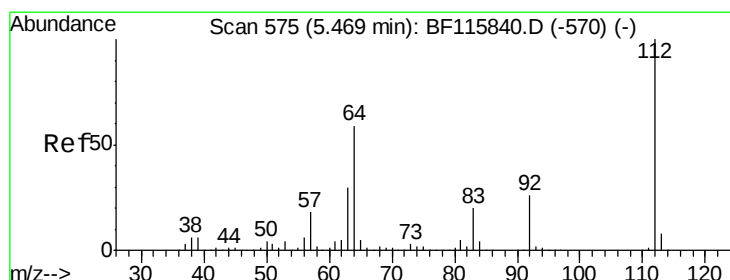
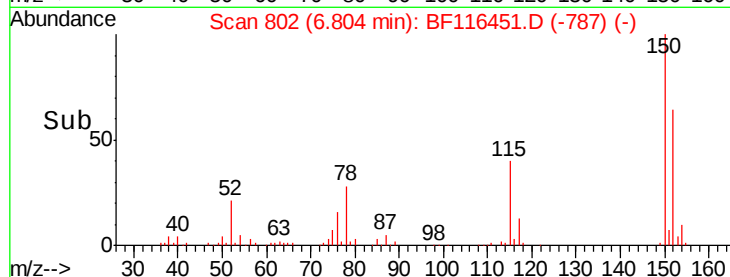
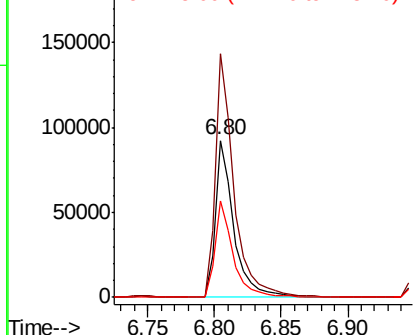


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

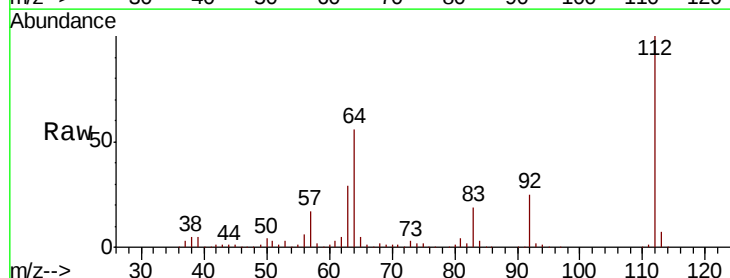
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 129.456 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF116451.D
Acq: 21 Aug 2019 00:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.4	68.2
63	29.1	23.7	35.5

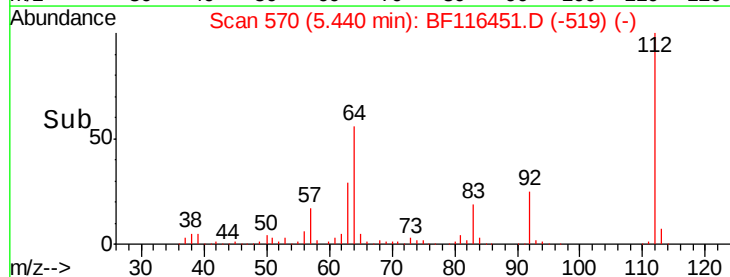
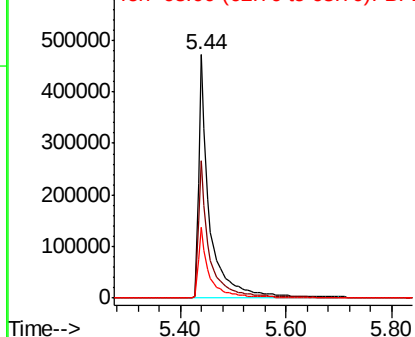


Abundance

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: 122.250 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116451.D

Acq: 21 Aug 2019 00:54

Instrument :

BNA_F

ClientSampleId :

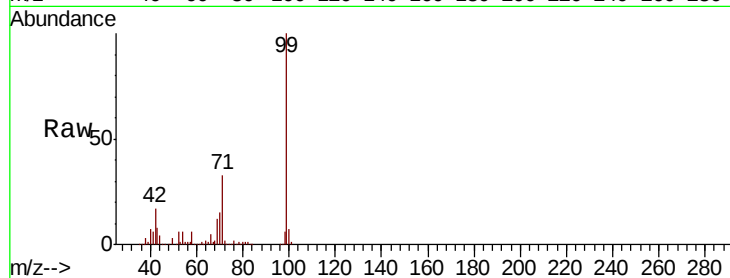
Tot Ion: 99 Resp: 830693

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.8

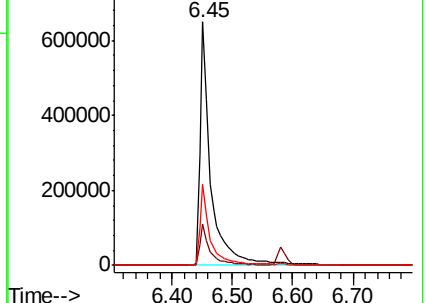
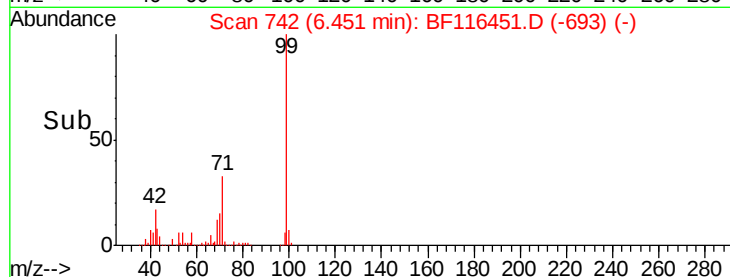
71 33.4 27.3 40.9



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: 19.505 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF116451.D

Acq: 21 Aug 2019 00:54

Tgt Ion: 70 Resp: 82130

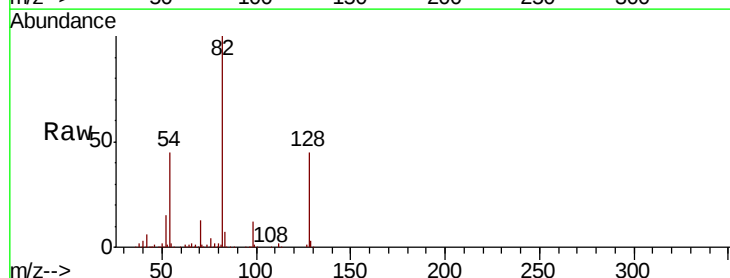
Ion Ratio Lower Upper

70 100

42 43.0 40.9 61.3

101 0.0 7.9 11.9#

130 2.4 16.9 25.3#

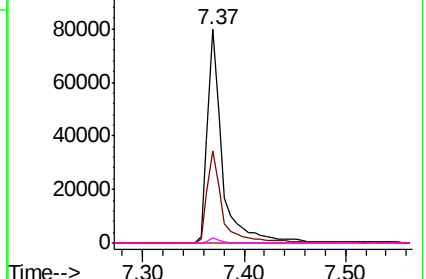
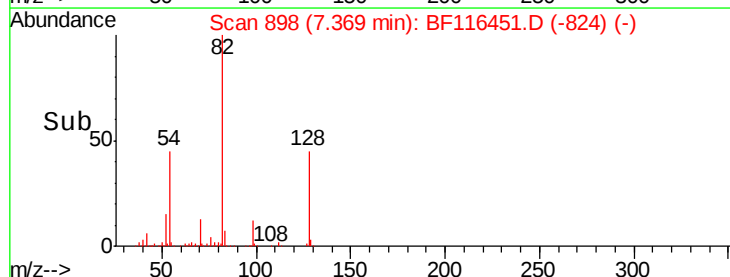


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF116451.D

Acq: 21 Aug 2019 00:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 347482

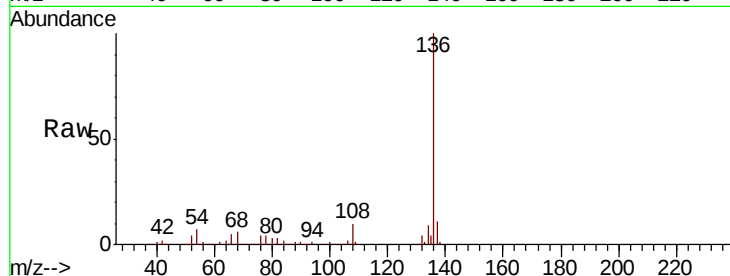
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 6.7 5.8 8.6

68 5.5 5.2 7.8

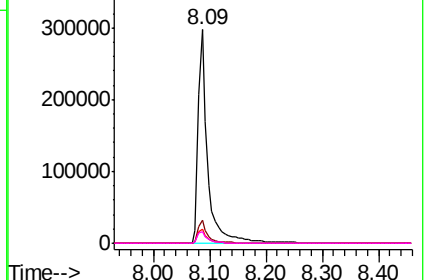
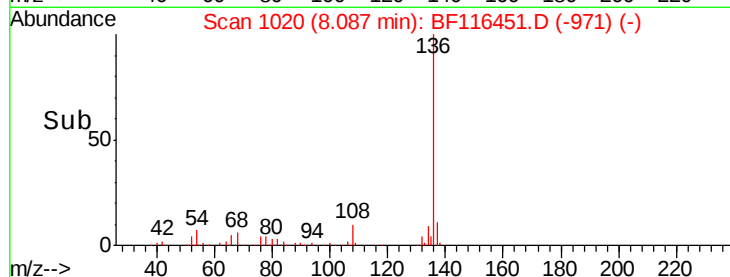


Abundance Ion 136.00 (135.70 to 136.70): E

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: 105.817 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF116451.D

Acq: 21 Aug 2019 00:54

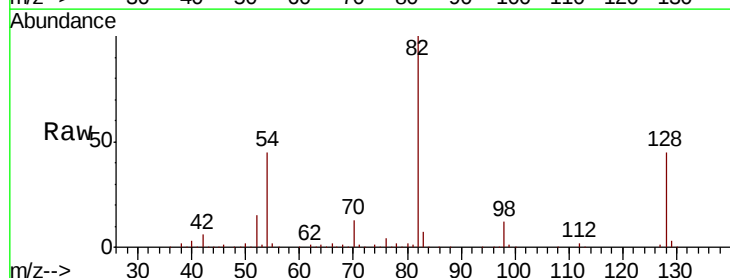
Tgt Ion: 82 Resp: 637000

Ion Ratio Lower Upper

82 100

128 44.7 36.5 54.7

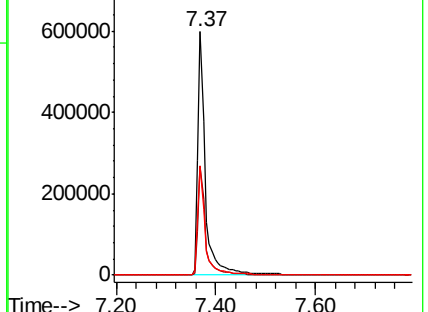
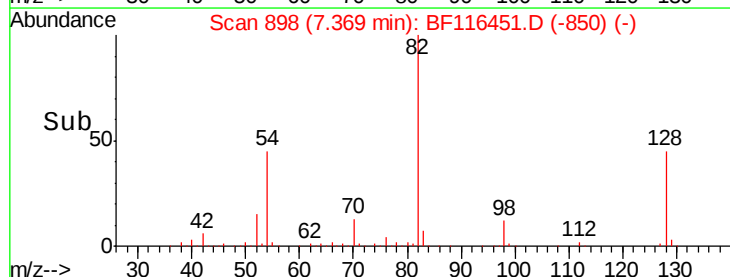
54 45.0 36.0 54.0



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: 55.389 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF116451.D

Acq: 21 Aug 2019 00:54

Instrument :

BNA_F

ClientSampleId :

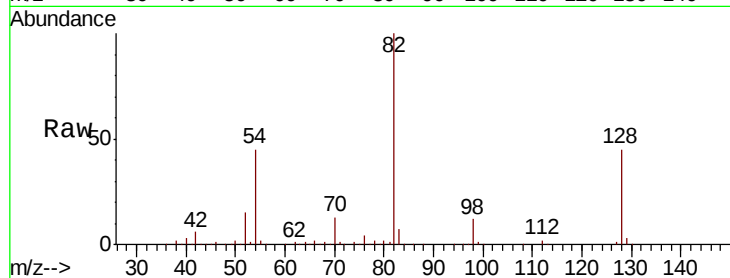
Tot Ion: 82 Resp: 637568

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

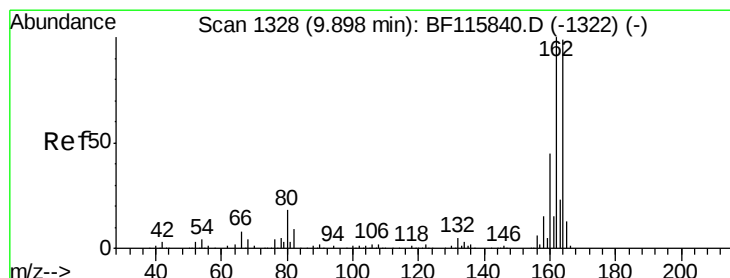
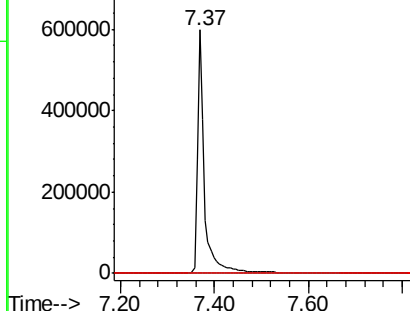
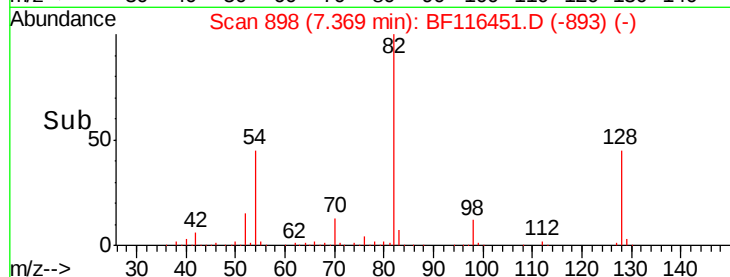
138 0.0 14.5 21.7#



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# 1317

Delta R.T. -0.02 min

Lab File: BF116451.D

Acq: 21 Aug 2019 00:54

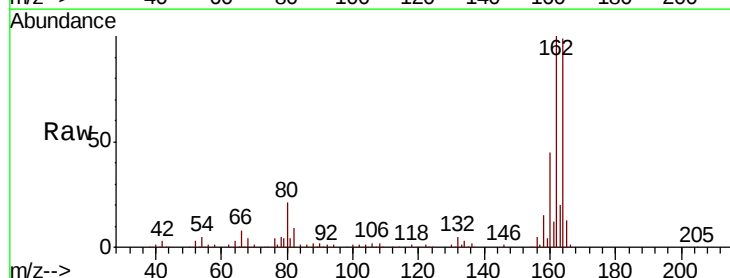
Tgt Ion: 164 Resp: 187556

Ion Ratio Lower Upper

164 100

162 101.4 82.6 124.0

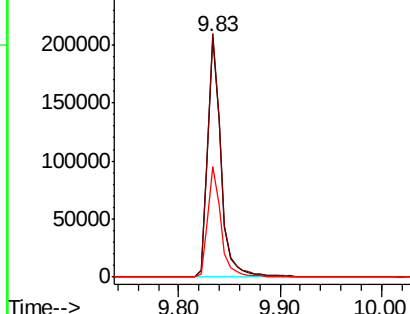
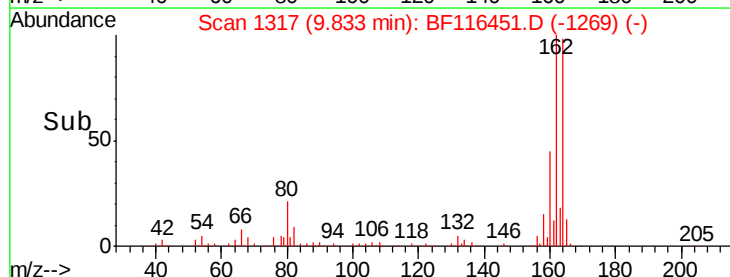
160 45.8 37.6 56.4



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: 157.771 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BF116451.D

Acq: 21 Aug 2019 00:54

Instrument :

BNA_F

ClientSampleId :

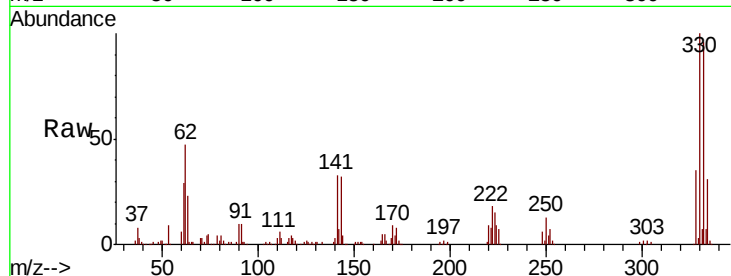
Tot Ion:330 Resp: 286892

Ion Ratio Lower Upper

330 100

332 98.1 76.8 115.2

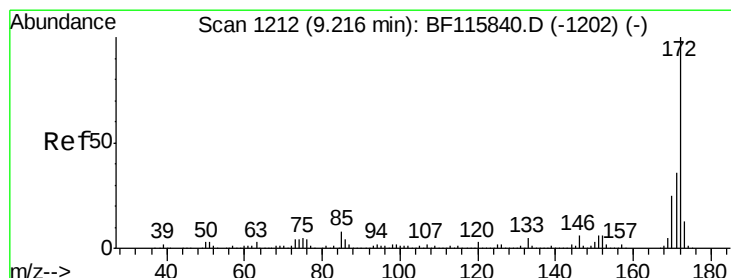
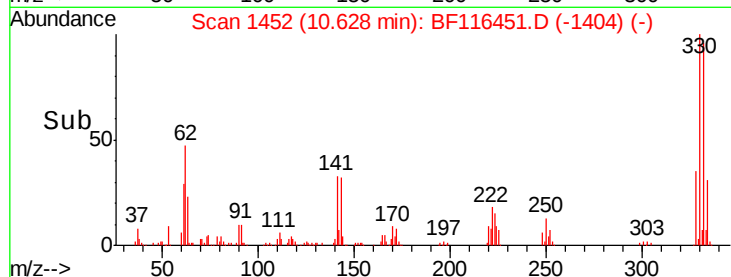
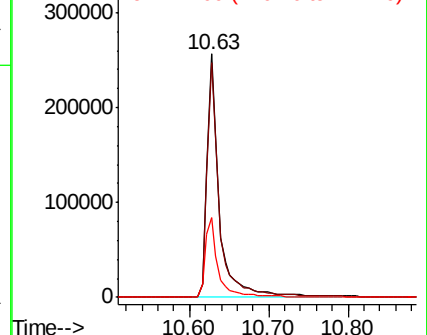
141 34.6 26.3 39.5



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: 112.521 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF116451.D

Acq: 21 Aug 2019 00:54

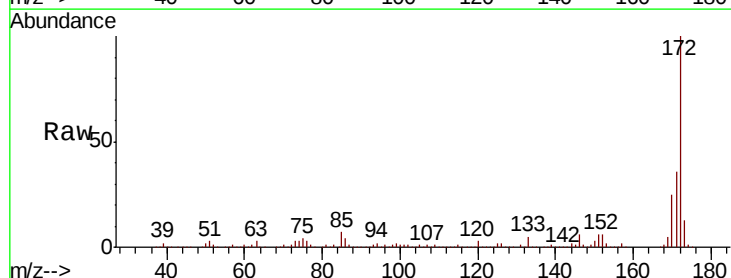
Tgt Ion:172 Resp: 1126700

Ion Ratio Lower Upper

172 100

171 36.0 29.6 44.4

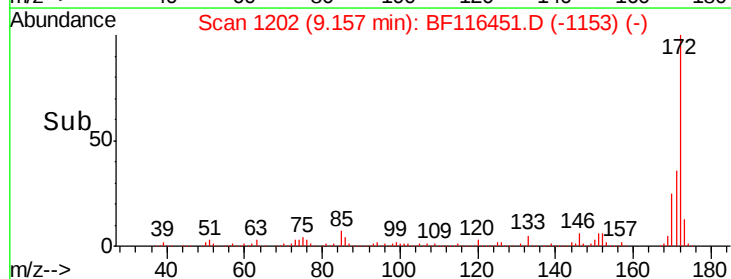
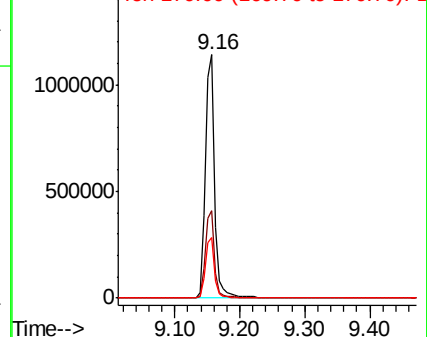
170 24.9 20.1 30.1

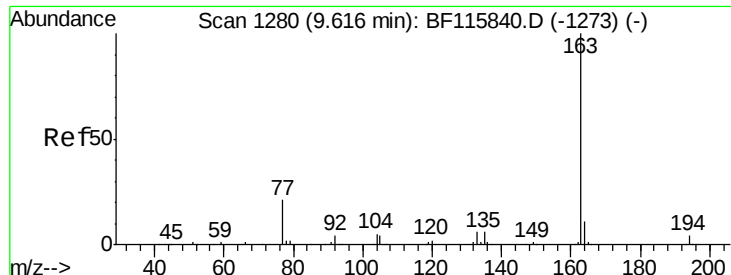


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.238 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF116451.D

Acq: 21 Aug 2019 00:54

Instrument :

BNA_F

ClientSampled :

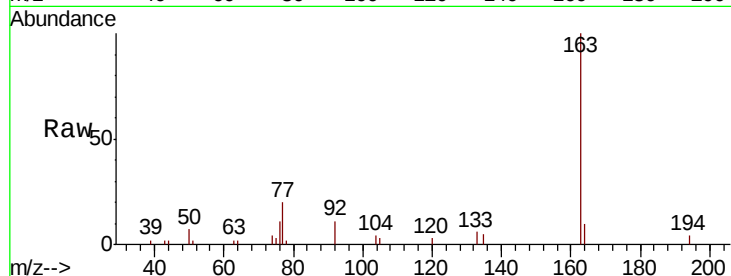
Tot Ion:163 Resp: 28576

Ion Ratio Lower Upper

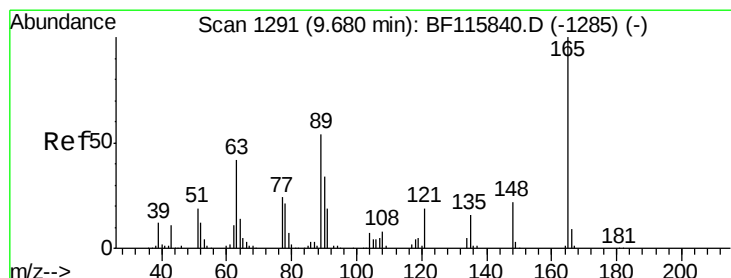
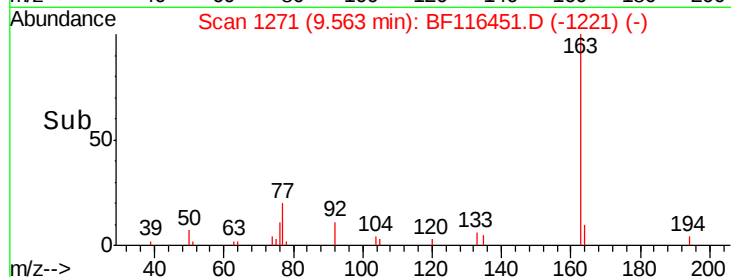
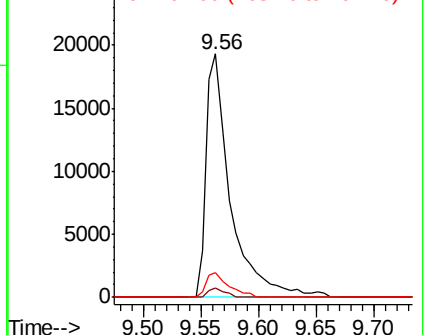
163 100

194 3.6 3.0 4.6

164 10.4 8.4 12.6



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: 8.548 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.19 min

Lab File: BF116451.D

Acq: 21 Aug 2019 00:54

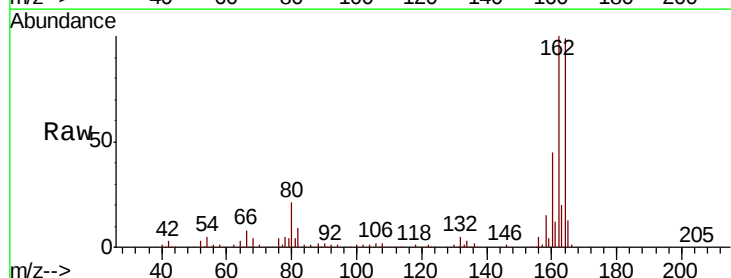
Tgt Ion:165 Resp: 23723

Ion Ratio Lower Upper

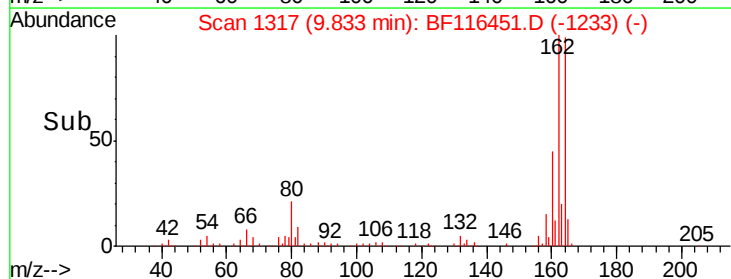
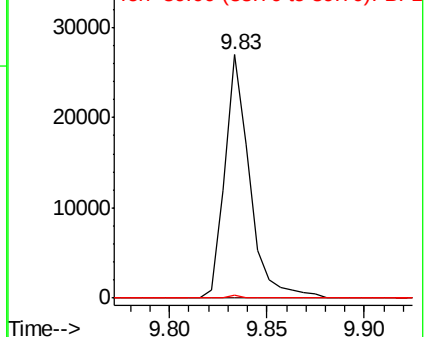
165 100

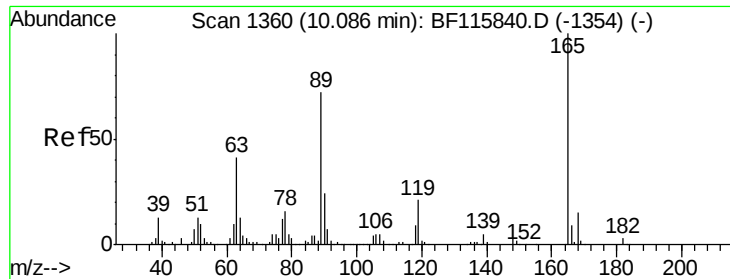
63 0.0 38.2 57.2#

89 1.3 42.9 64.3#



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

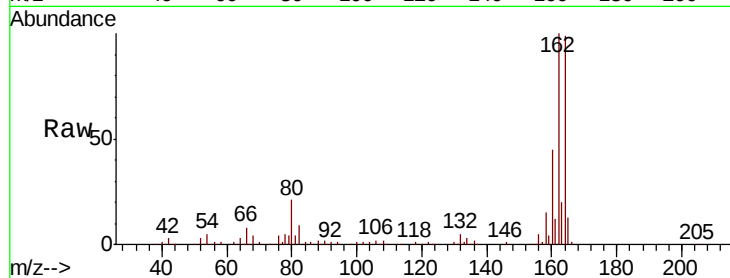




#57
 2,4-Dinitrotoluene
 Concen: 6.420 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.22 min
 Lab File: BF116451.D
 Acq: 21 Aug 2019 00:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.6	59.4#
89	1.3	62.2	93.2#
182	0.0	2.1	3.1#



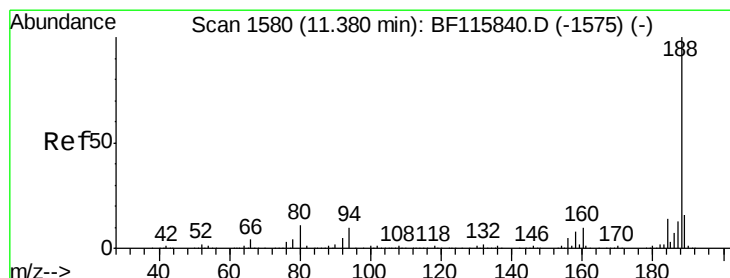
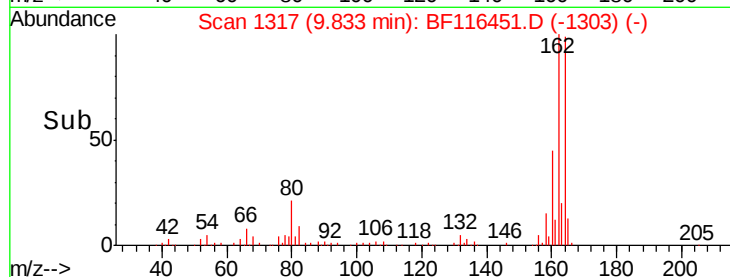
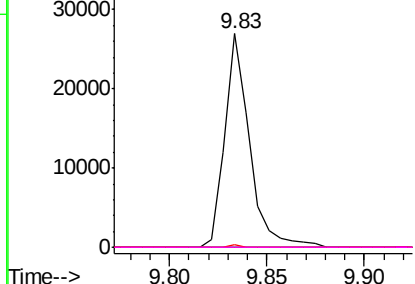
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

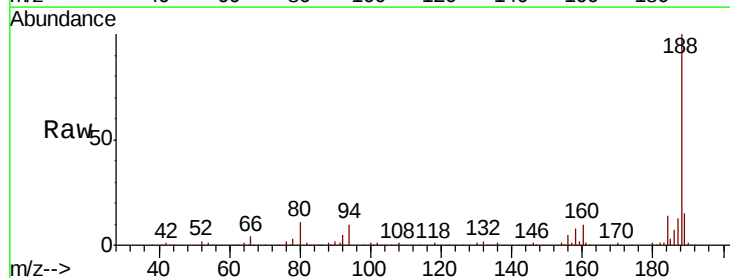
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF116451.D
 Acq: 21 Aug 2019 00:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.1	12.1
80	10.8	8.7	13.1

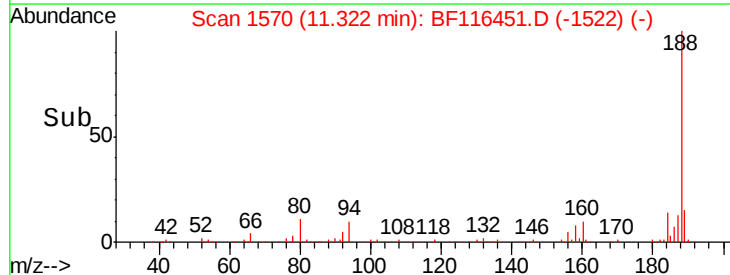
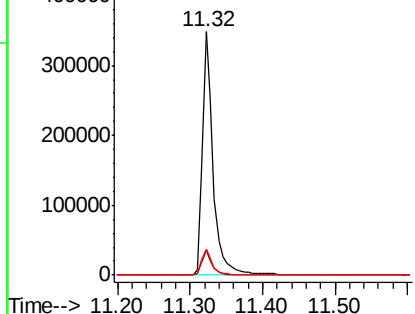


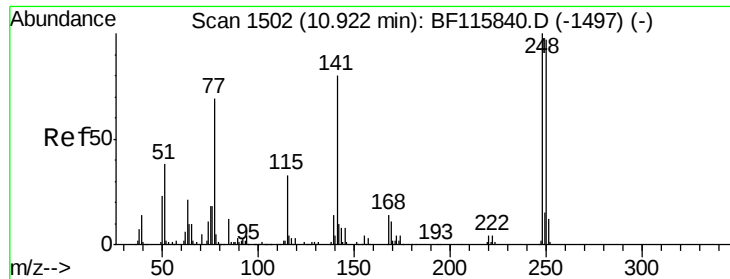
Abundance

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

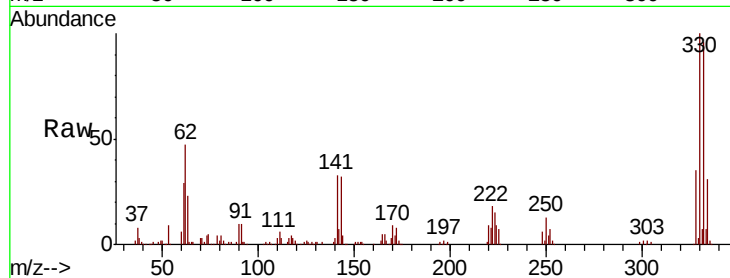




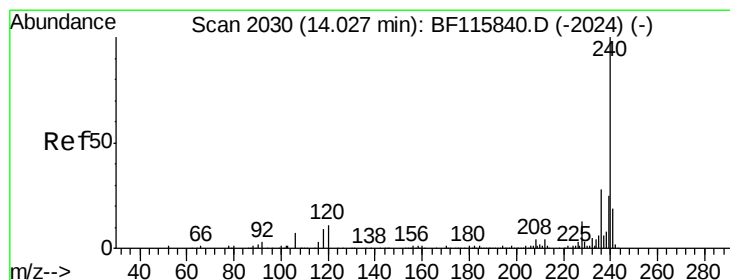
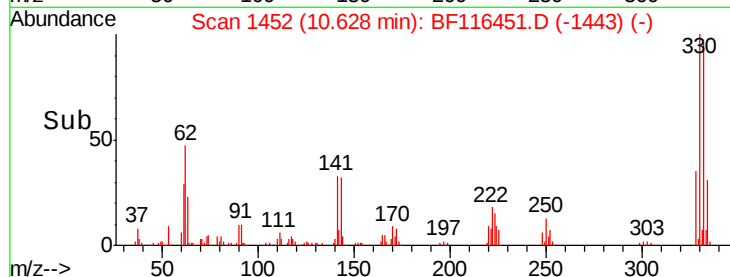
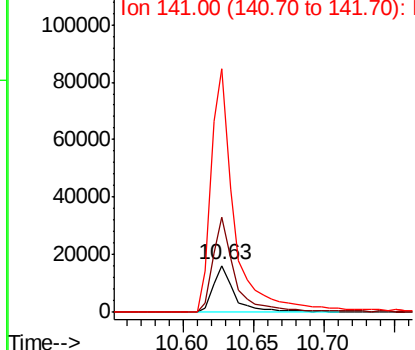
#67
4-Bromophenyl-phenylether
Concen: 4.551 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.25 min
Lab File: BF116451.D
Acq: 21 Aug 2019 00:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17401
Ion Ratio Lower Upper
248 100
250 202.2 77.4 116.2#
141 517.4 56.8 85.2#

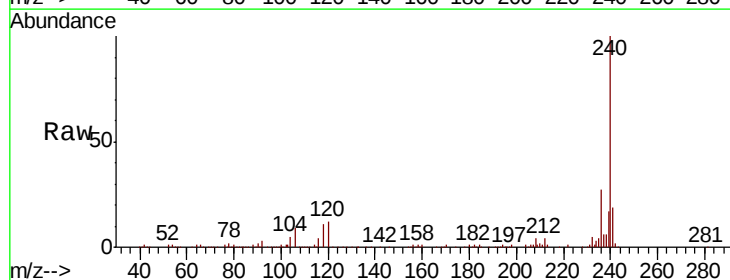


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

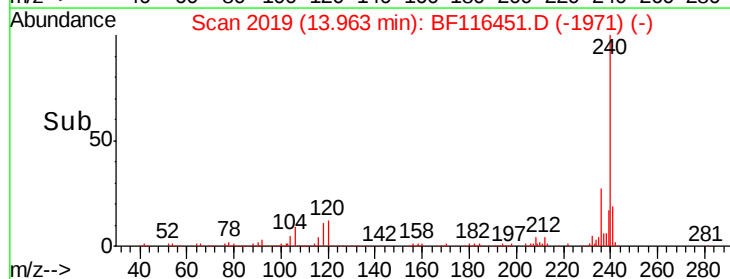
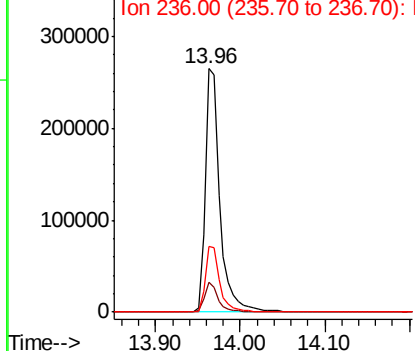


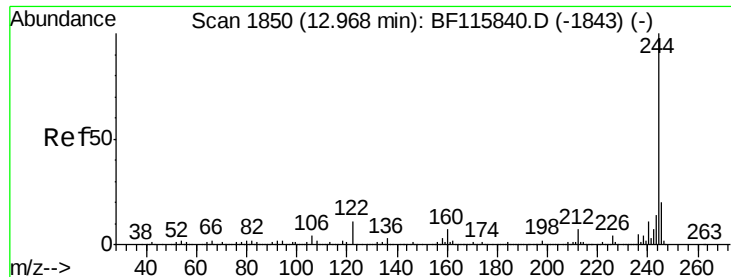
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF116451.D
Acq: 21 Aug 2019 00:54

Tgt Ion:240 Resp: 315407
Ion Ratio Lower Upper
240 100
120 12.4 10.7 16.1
236 26.9 22.2 33.2



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: 99.440 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF116451.D

Acq: 21 Aug 2019 00:54

Instrument :

BNA_F

ClientSampleId :

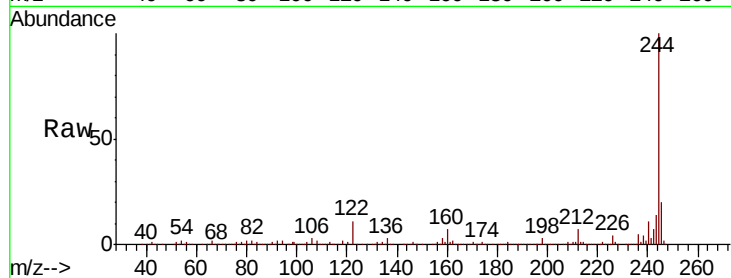
Tot Ion:244 Resp: 1488450

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

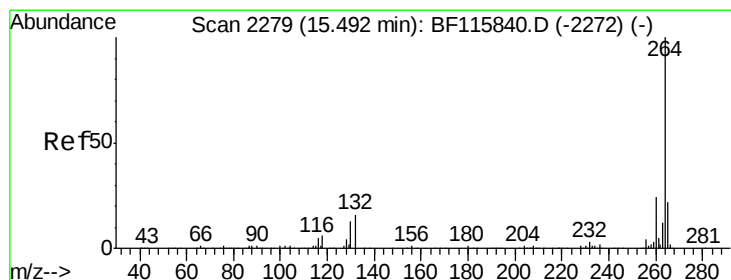
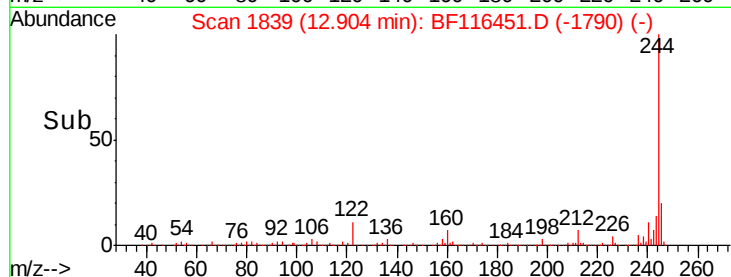
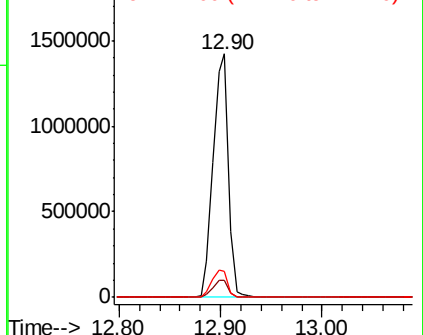
122 10.9 9.0 13.4



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: 15.42 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF116451.D

Acq: 21 Aug 2019 00:54

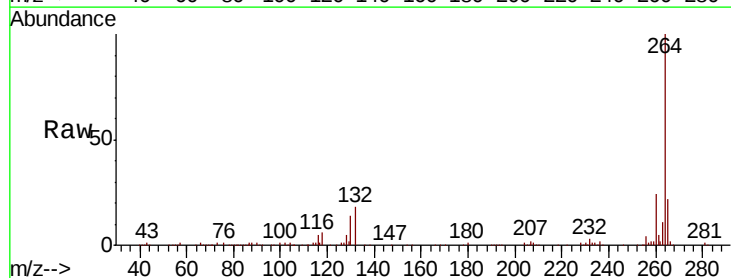
Tgt Ion:264 Resp: 317718

Ion Ratio Lower Upper

264 100

260 24.2 19.7 29.5

265 22.2 17.4 26.0



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

