

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116796.D
 Acq On : 4 Sep 2019 2:47
 Operator : HP/JU
 Sample : K4323-37
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 06:08:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

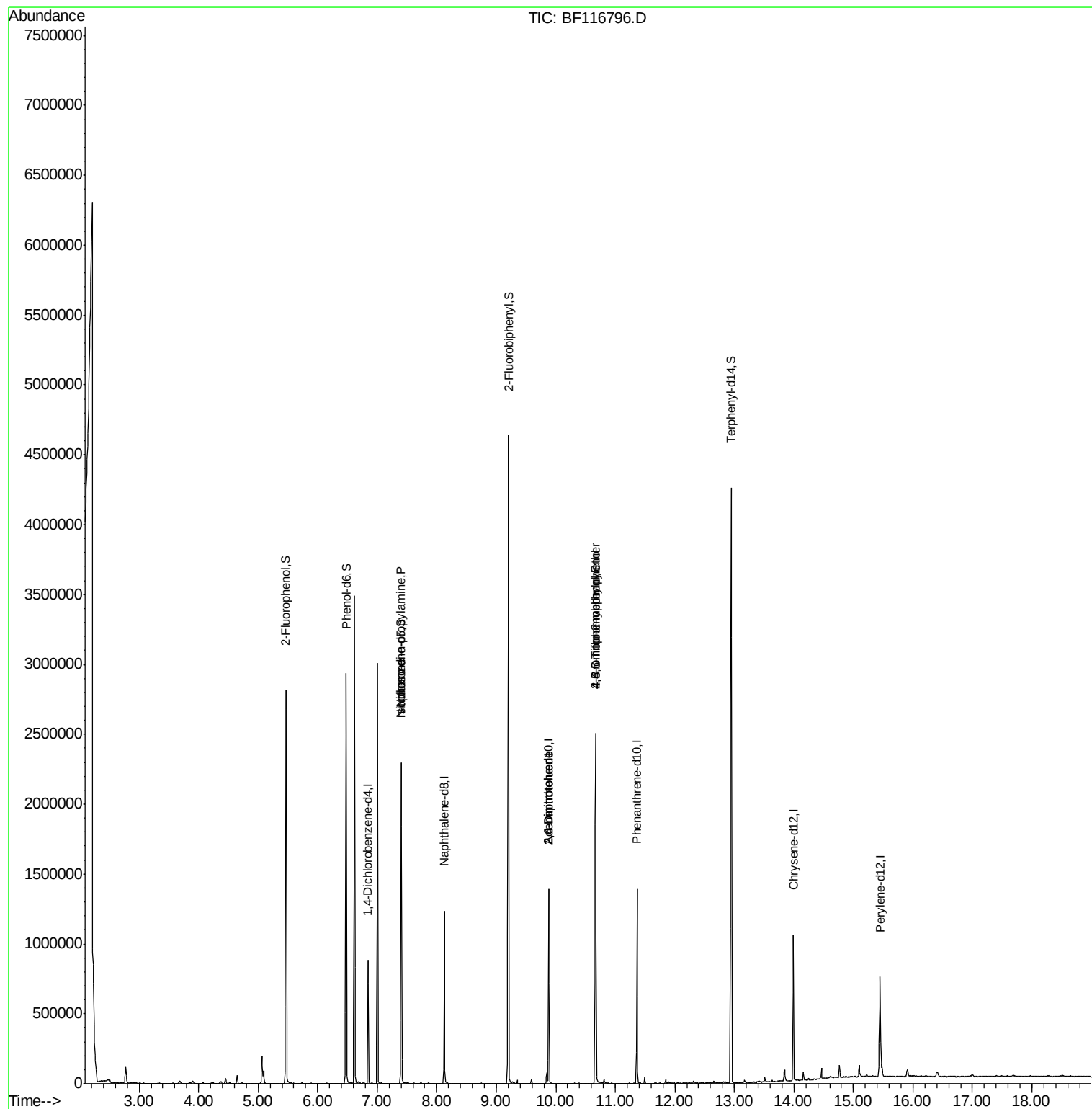
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	128671	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	504583	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	267540	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	451091	20.00	ng	0.00
76) Chrysene-d12	13.99	240	306175	20.00	ng	0.00
87) Perylene-d12	15.44	264	311750	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	901413	113.49	ng	0.01
7) Phenol-d6	6.48	99	1107822	106.22	ng	0.00
23) Nitrobenzene-d5	7.40	82	816775	92.41	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	278672	155.81	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1361424	85.84	ng	0.00
79) Terphenyl-d14	12.95	244	1453804	87.84	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	108284	15.769	ng	# 73
25) Isophorone	7.40	82	816762	45.603	ng	# 66
51) 2,6-Dinitrotoluene	9.88	165	33700	9.563	ng	# 20
57) 2,4-Dinitrotoluene	9.88	165	33700	7.821	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.67	198	457	7.683	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	17795	3.883	ng	# 1

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

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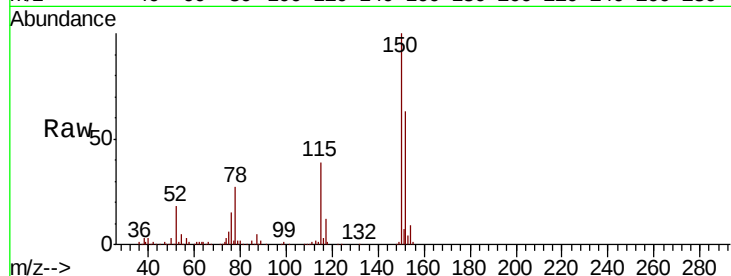


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116796.D
Acq: 4 Sep 2019 2:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.4	186.6
115	62.2	49.9	74.9

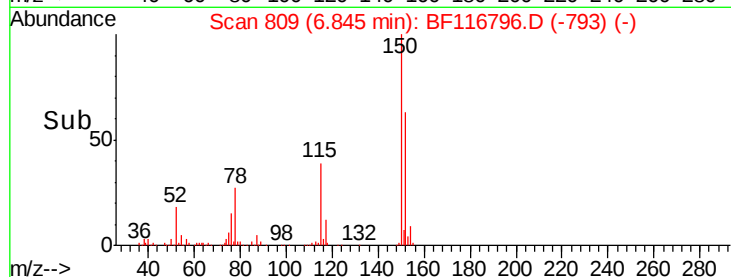
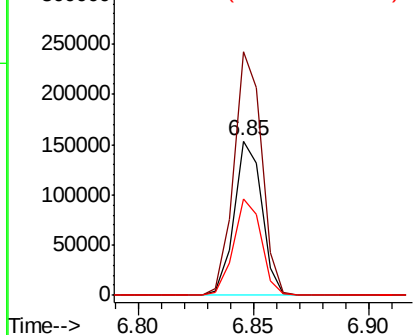


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

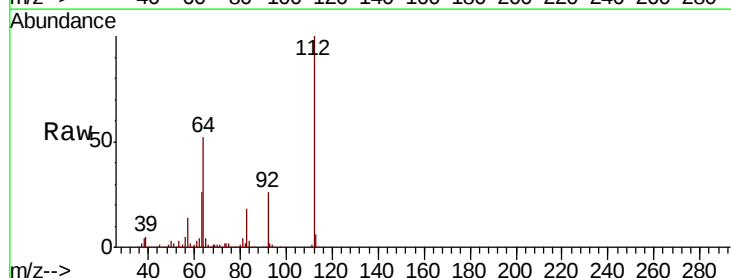
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 113.494 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116796.D
Acq: 4 Sep 2019 2:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	47.1	70.7
63	26.2	24.9	37.3

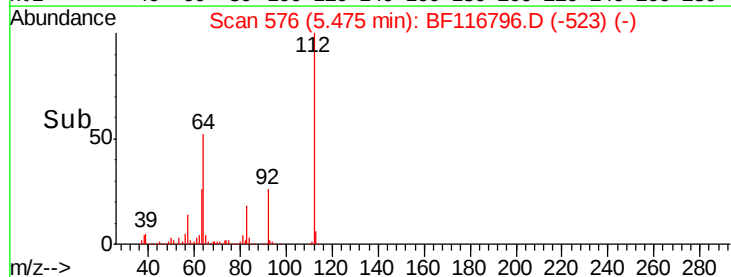
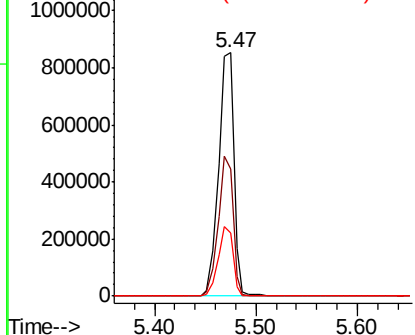


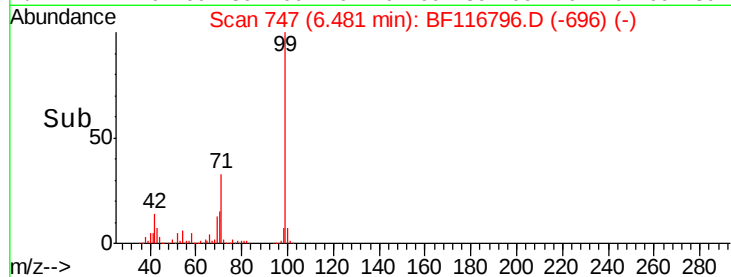
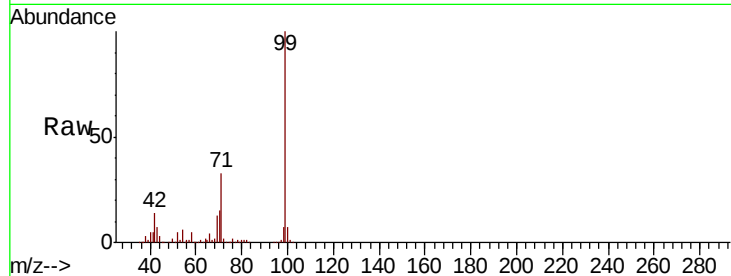
Abundance

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: 106.223 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116796.D

Acq: 4 Sep 2019 2:47

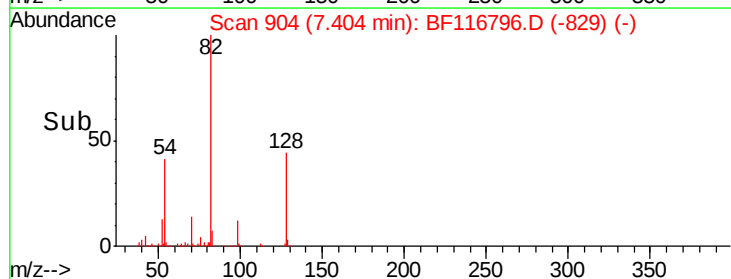
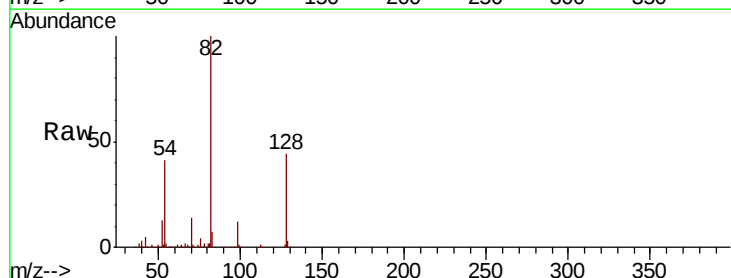
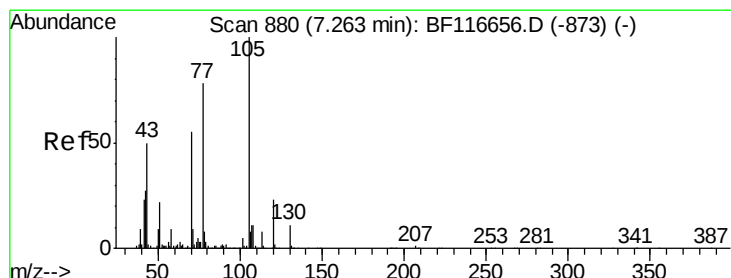
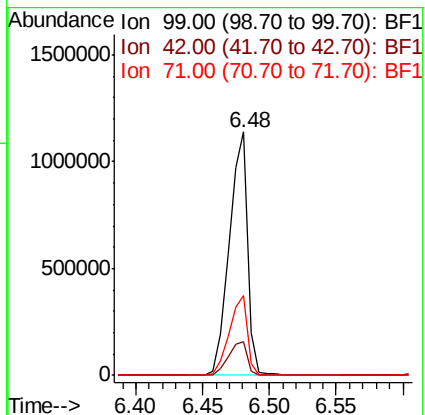
Tot Ion: 99 Resp: 1107822

Ion Ratio Lower Upper

99 100

42 14.1 13.7 20.5

71 32.6 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.769 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116796.D

Acq: 4 Sep 2019 2:47

Tgt Ion: 70 Resp: 108284

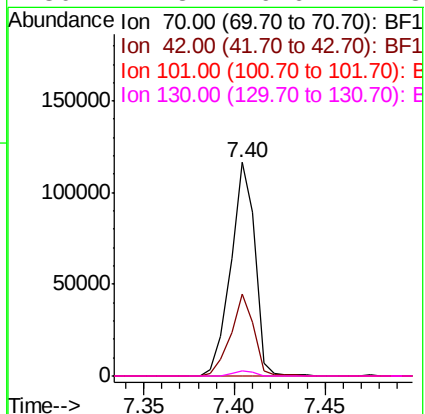
Ion Ratio Lower Upper

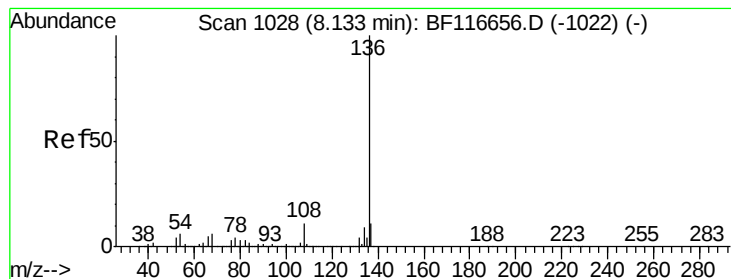
70 100

42 38.2 43.5 65.3#

101 0.0 7.8 11.6#

130 2.3 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116796.D

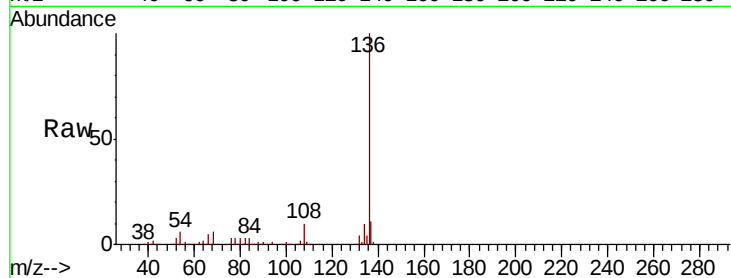
Acq: 4 Sep 2019 2:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	504583
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	5.9	4.8 7.2
68	5.9	4.0 6.0

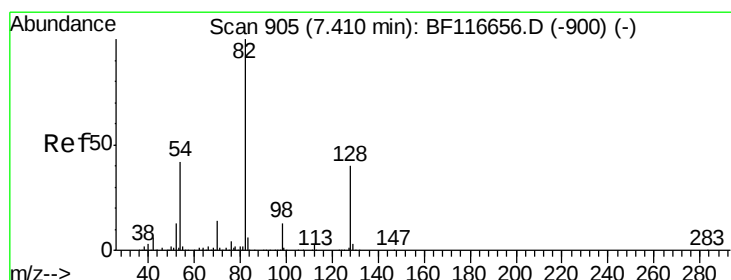
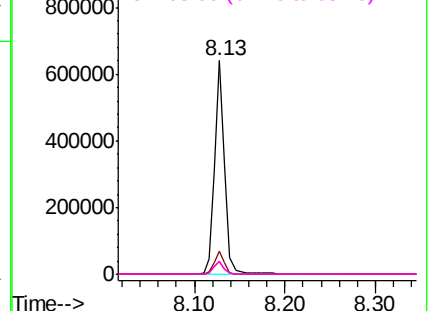
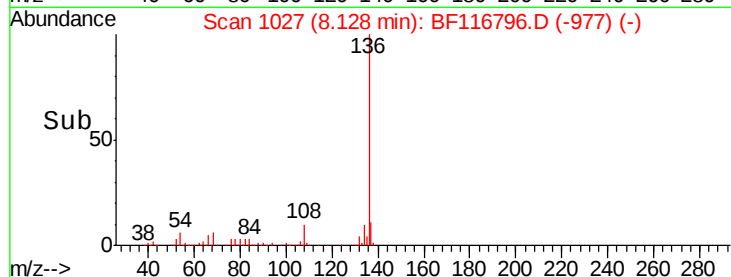


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.408 ng

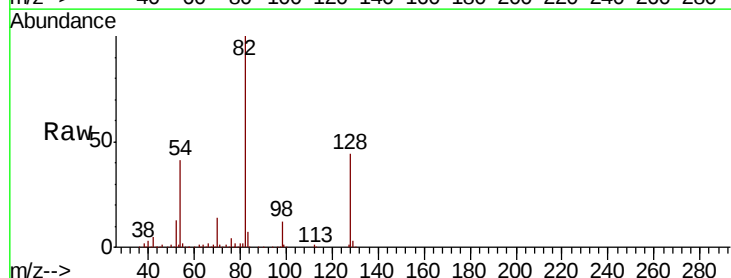
RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116796.D

Acq: 4 Sep 2019 2:47

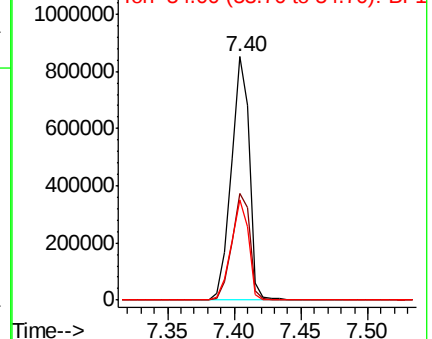
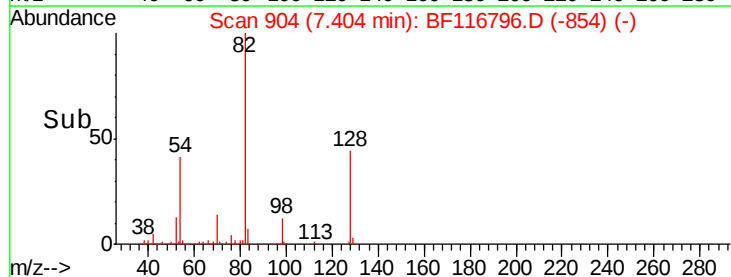
Tgt Ion: 82	Resp:	816775
Ion Ratio	Lower	Upper
82	100	
128	43.6	32.8 49.2
54	41.4	36.9 55.3



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: 45.603 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116796.D

Acq: 4 Sep 2019 2:47

Instrument :

BNA_F

ClientSampled :

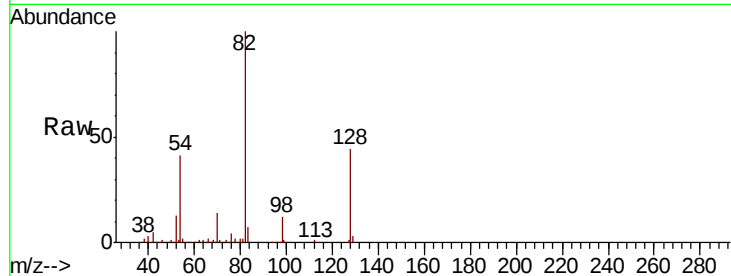
Tot Ion: 82 Resp: 816762

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

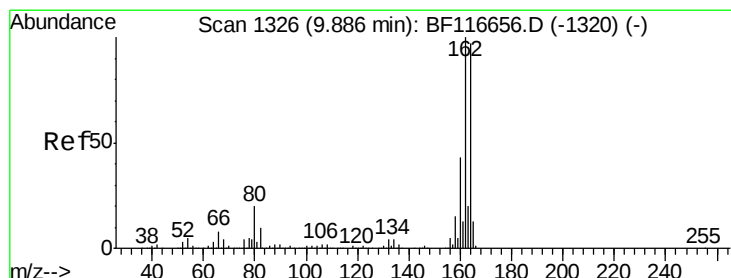
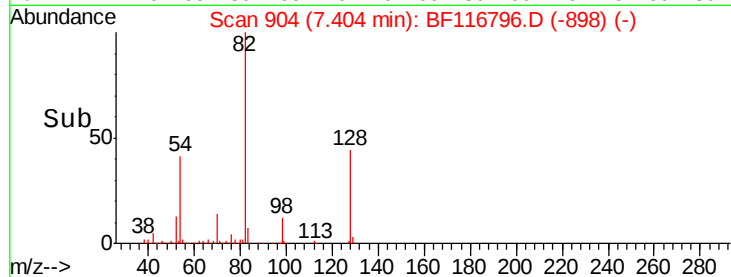
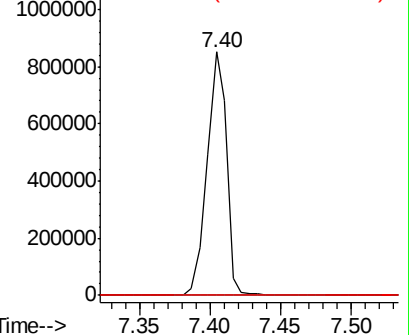
138 0.0 13.5 20.3#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116796.D

Acq: 4 Sep 2019 2:47

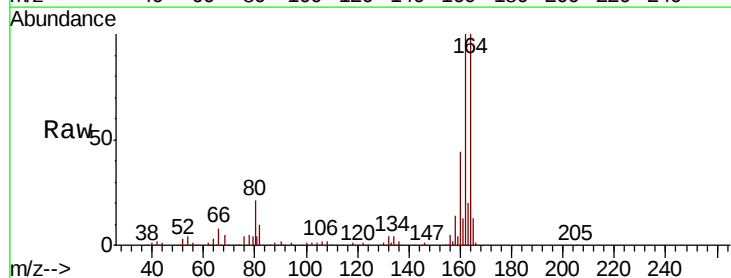
Tgt Ion: 164 Resp: 267540

Ion Ratio Lower Upper

164 100

162 99.8 81.4 122.0

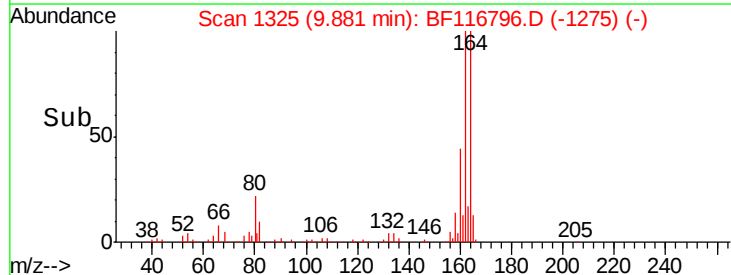
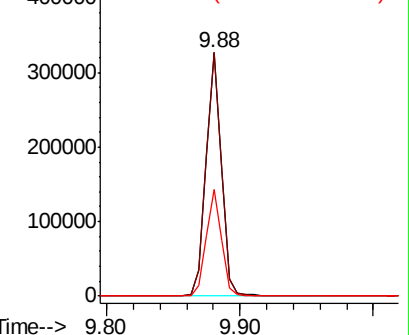
160 43.8 35.4 53.2

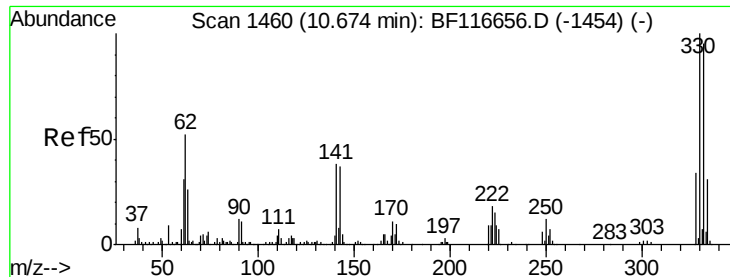


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

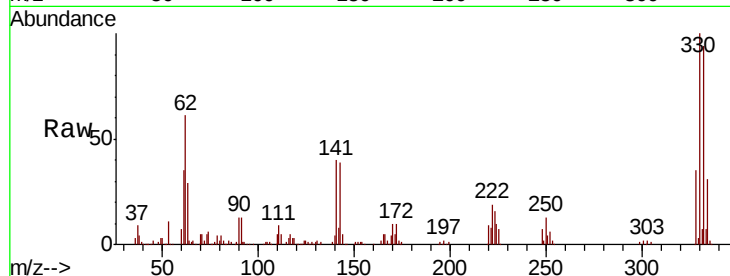




#42
 2,4,6-Tribromophenol
 Concen: 155.808 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116796.D
 Acq: 4 Sep 2019 2:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.6	76.9	115.3
141	40.4	31.4	47.2

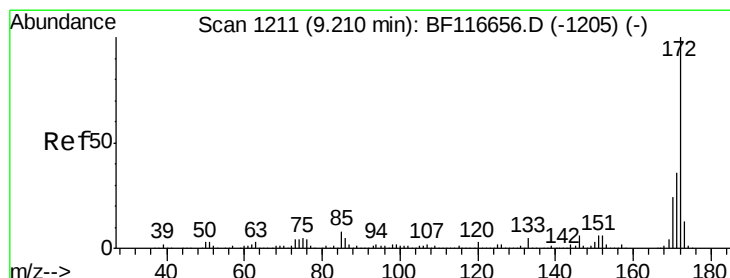
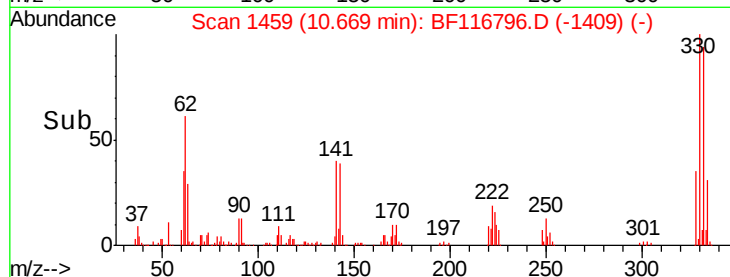
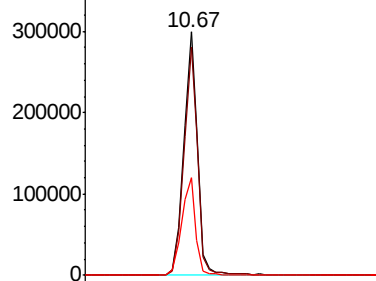


Abundance

Ion 329.80 (329.50 to 330.50): E

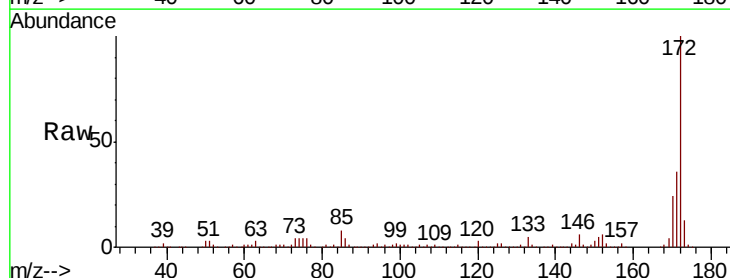
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 85.841 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116796.D
 Acq: 4 Sep 2019 2:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.8	41.6
170	24.3	18.9	28.3

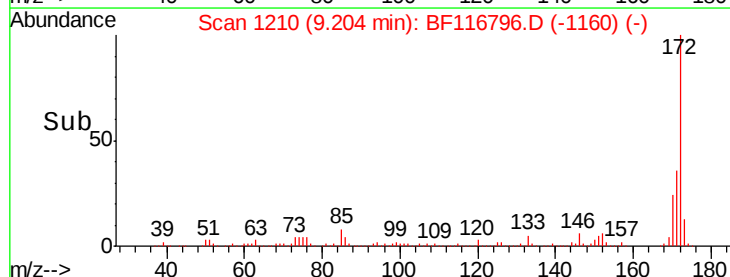
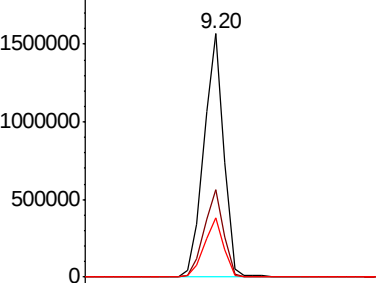


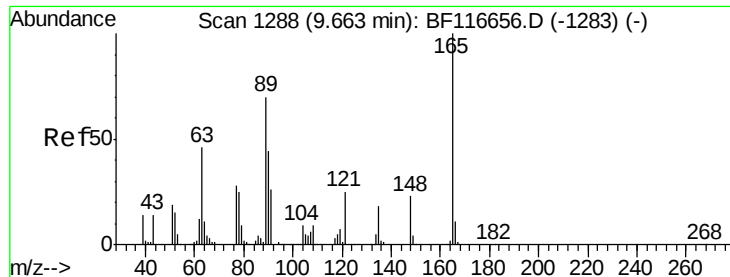
Abundance

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: 9.563 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116796.D

Acq: 4 Sep 2019 2:47

Instrument :

BNA_F

ClientSampleId :

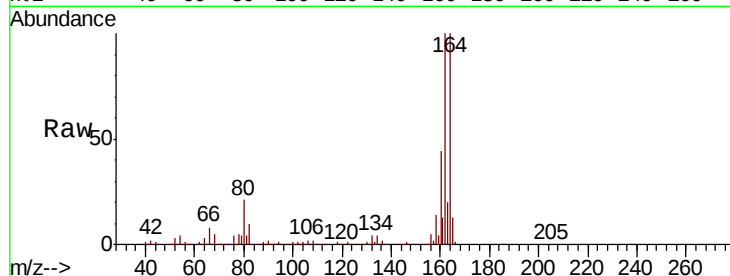
Tot Ion:165 Resp: 33700

Ion Ratio Lower Upper

165 100

63 1.0 47.3 70.9#

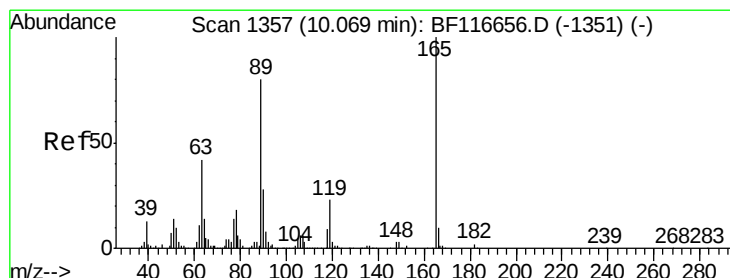
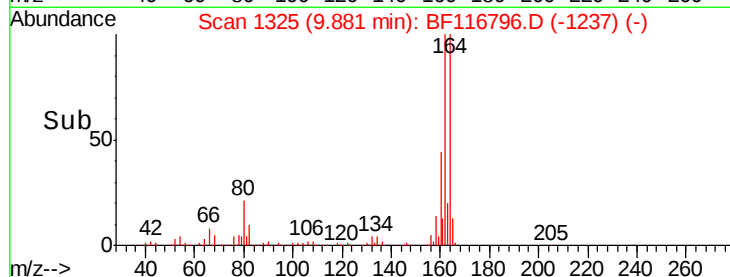
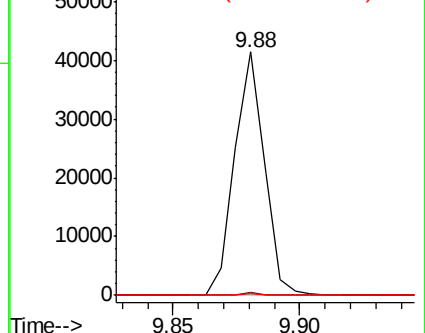
89 1.0 52.5 78.7#



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: 7.821 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116796.D

Acq: 4 Sep 2019 2:47

Tgt Ion:165 Resp: 33700

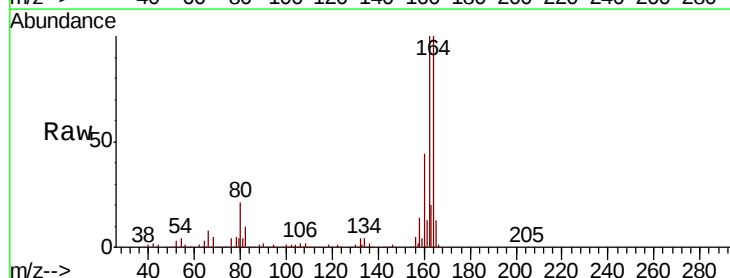
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.0 62.6 94.0#

182 0.0 2.1 3.1#

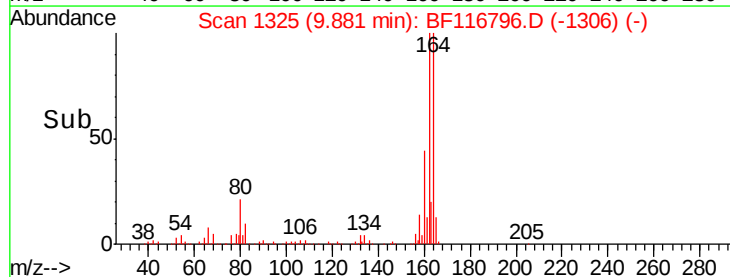
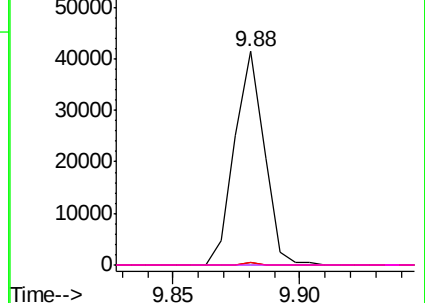


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116796.D

Acq: 4 Sep 2019 2:47

Instrument :

BNA_F

ClientSampleId :

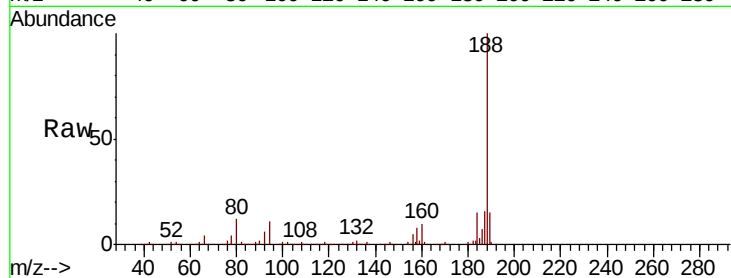
Tot Ion:188 Resp: 451091

Ion Ratio Lower Upper

188 100

94 11.2 7.3 10.9#

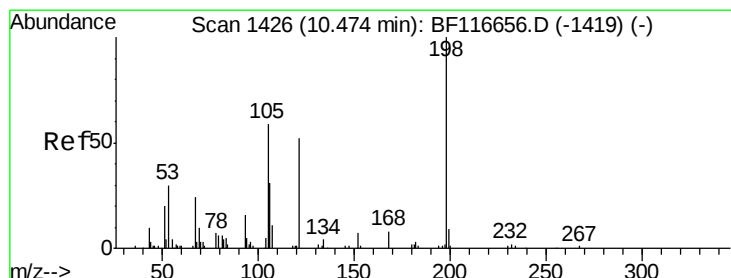
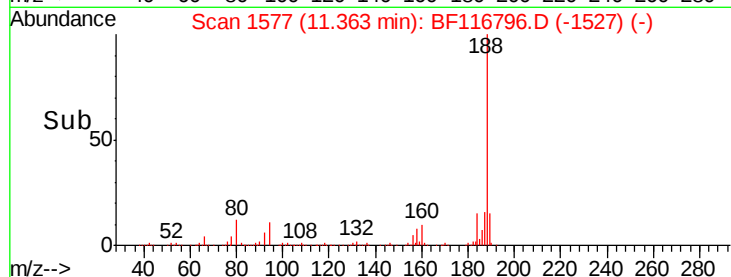
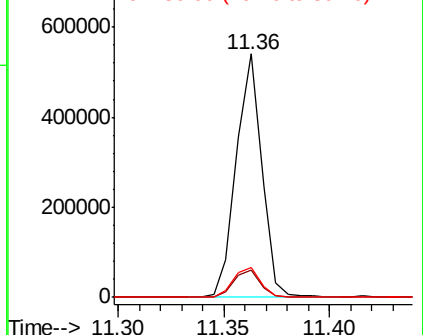
80 12.0 8.4 12.6



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: 7.683 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.19 min

Lab File: BF116796.D

Acq: 4 Sep 2019 2:47

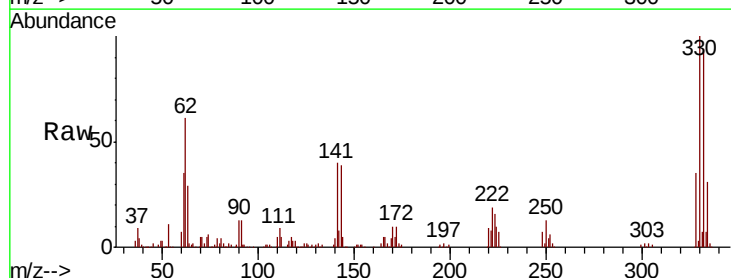
Tgt Ion:198 Resp: 457

Ion Ratio Lower Upper

198 100

51 174.9 18.4 58.4#

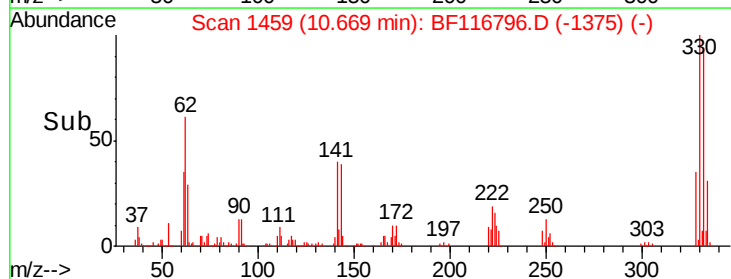
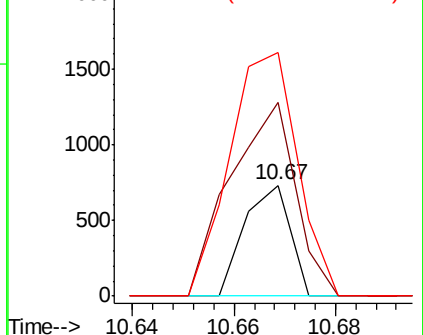
105 219.3 22.9 62.9#

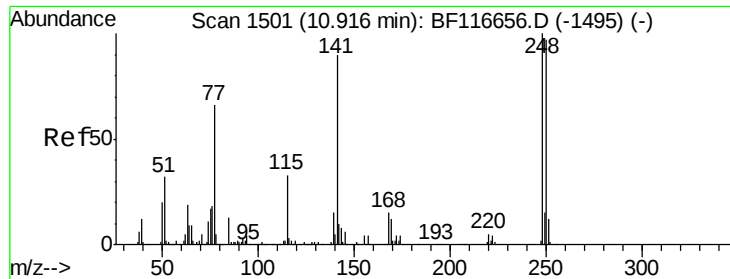


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

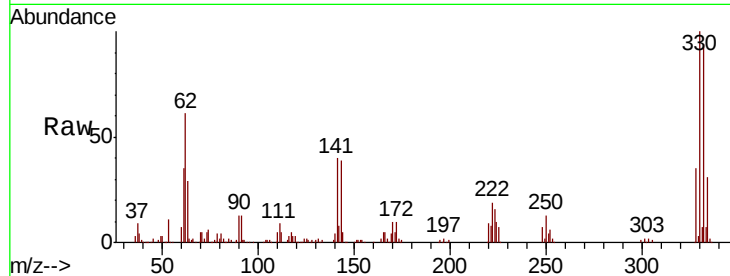




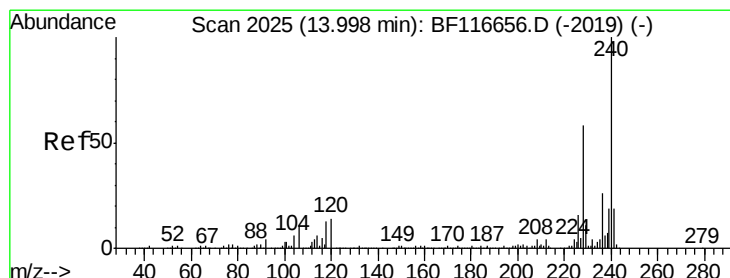
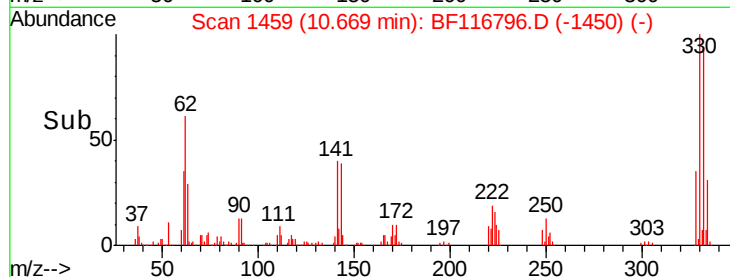
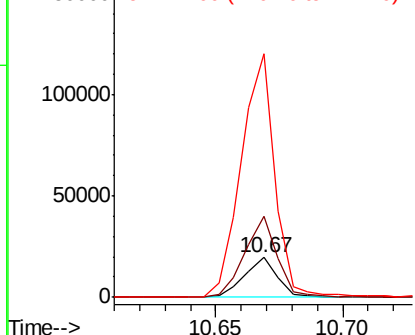
#67
4-Bromophenyl-phenylether
Concen: 3.883 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF116796.D
Acq: 4 Sep 2019 2:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17795
Ion Ratio Lower Upper
248 100
250 202.4 77.8 116.8#
141 611.6 75.9 113.9#

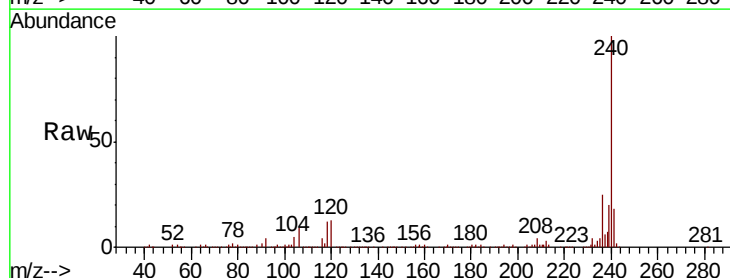


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

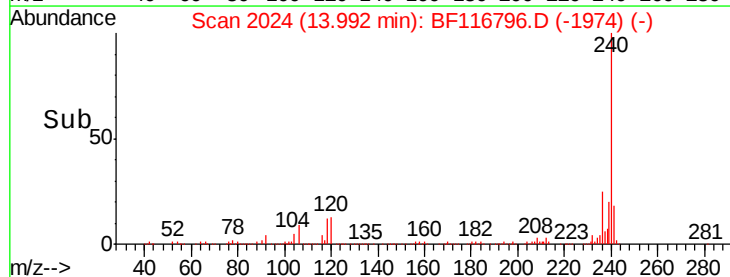
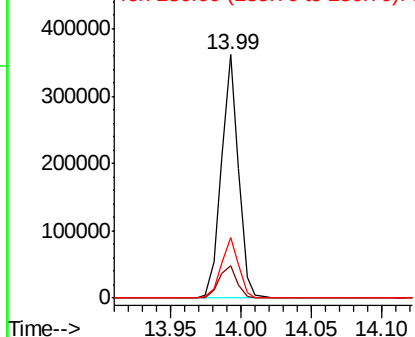


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116796.D
Acq: 4 Sep 2019 2:47

Tgt Ion:240 Resp: 306175
Ion Ratio Lower Upper
240 100
120 13.5 9.1 13.7
236 25.1 21.1 31.7



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

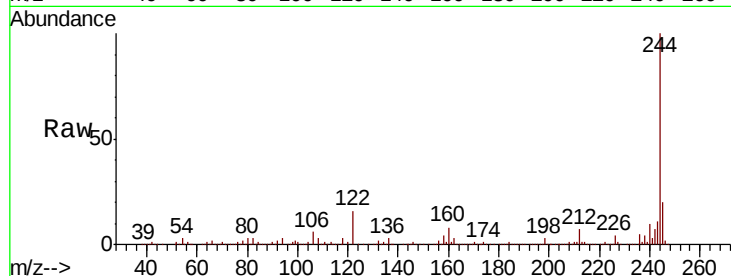




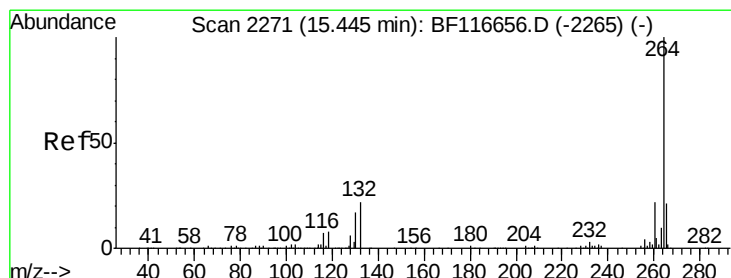
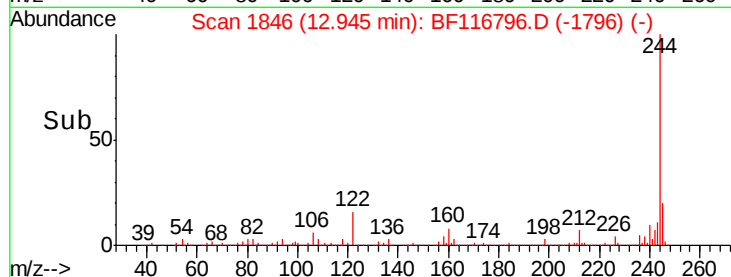
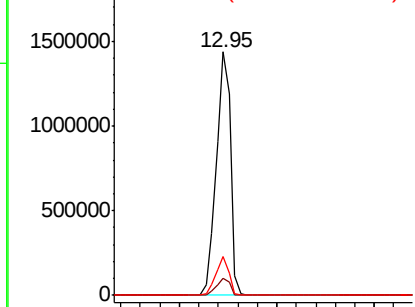
#79
 Terphenyl-d14
 Concen: 87.840 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116796.D
 Acq: 4 Sep 2019 2:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1453804
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 16.1 10.2 15.4#

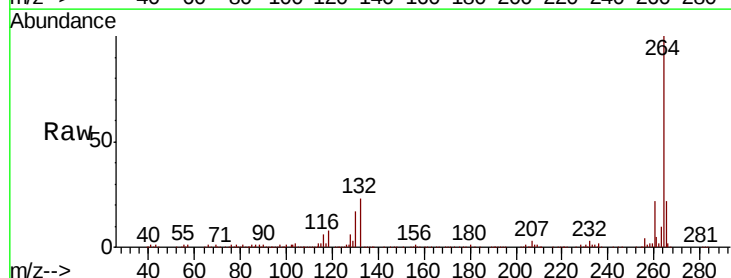


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: BF116796.D
 Acq: 4 Sep 2019 2:47

Tgt Ion:264 Resp: 311750
 Ion Ratio Lower Upper
 264 100
 260 22.4 18.3 27.5
 265 21.5 16.5 24.7



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

