

Data File : BF116728.D
Acq On : 1 Sep 2019 6:22
Operator : HP/JU
Sample : K4517-30
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T4-S-D1-D4

Quant Time: Sep 02 05:46:03 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	128654	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	497309	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	255678	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	407594	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	254286	20.00	ng	-0.01
87) Perylene-d12	15.44	264	295594	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	955668	120.34	ng	0.01
7) Phenol-d6	6.47	99	1199480	115.03	ng	0.00
23) Nitrobenzene-d5	7.40	82	893492	102.57	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	272012	159.14	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1448468	95.57	ng	0.00
79) Terphenyl-d14	12.94	244	1358812	98.85	ng	0.00

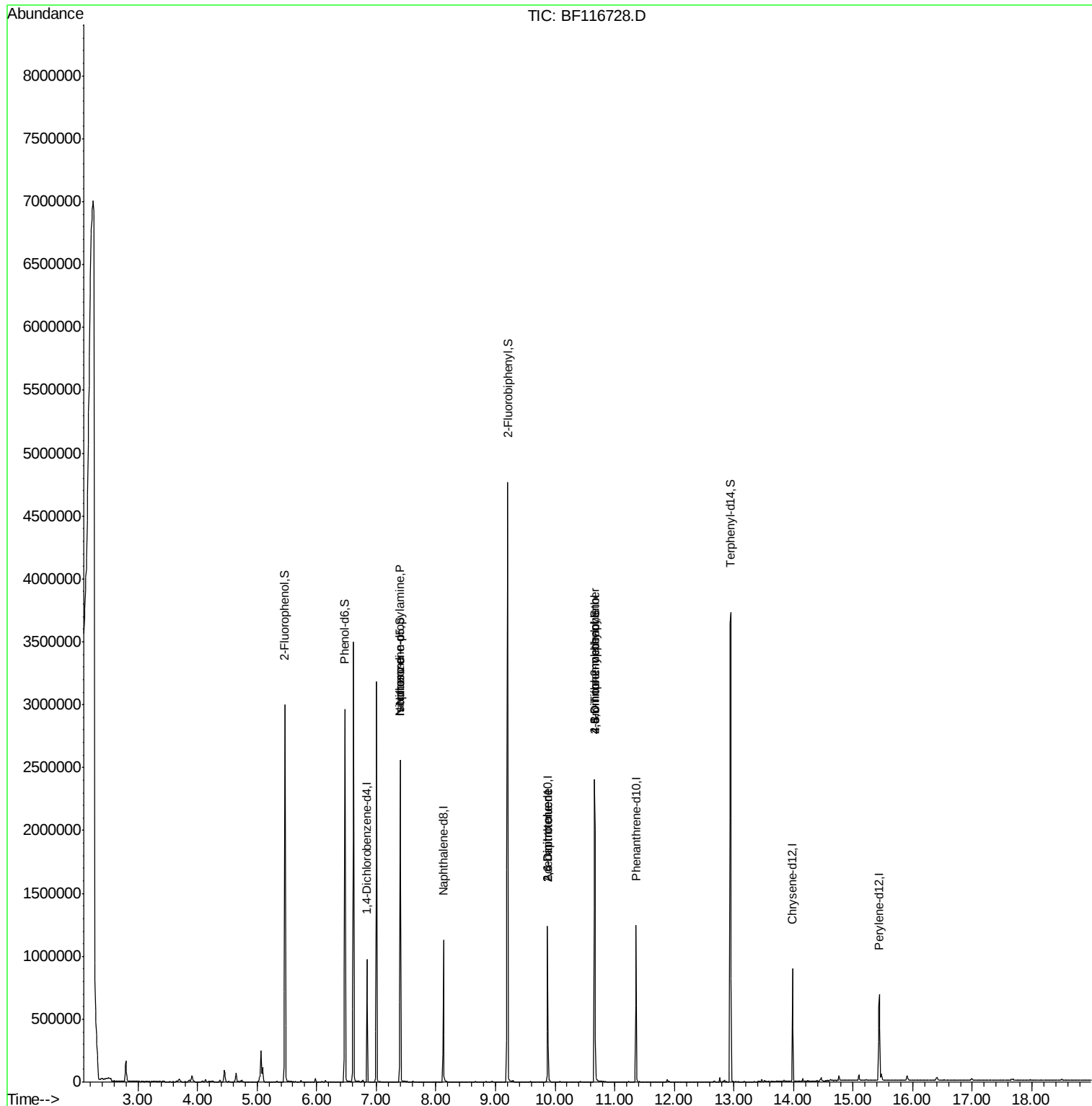
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	119797	17.448	ng	# 74
25) Isophorone	7.40	82	893618	50.624	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	32352	9.606	ng	# 21
57) 2,4-Dinitrotoluene	9.87	165	32352	7.856	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	617	7.798	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	17815	4.303	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

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Acq: 1 Sep 2019 6:22

Instrument :

BNA_F

ClientSampleId :

T4-S-D1-D4

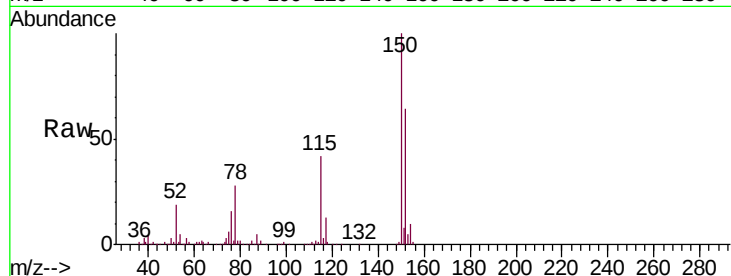
Tgt Ion:152 Resp: 128654

Ion Ratio Lower Upper

152 100

150 157.3 124.4 186.6

115 65.5 49.9 74.9

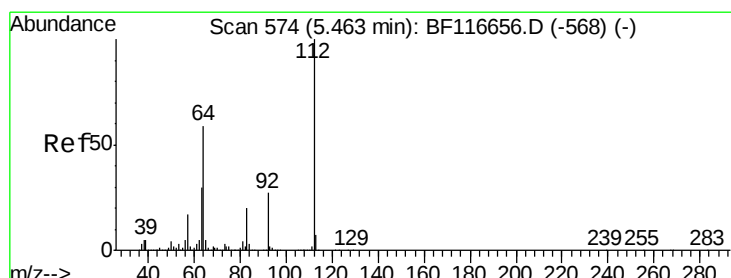
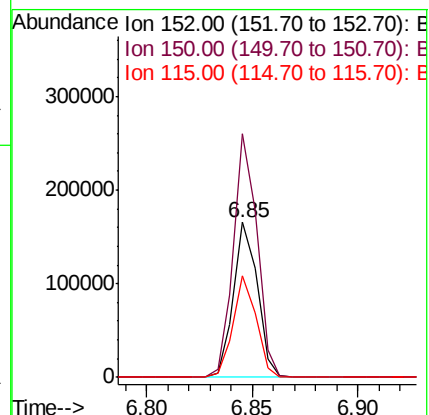
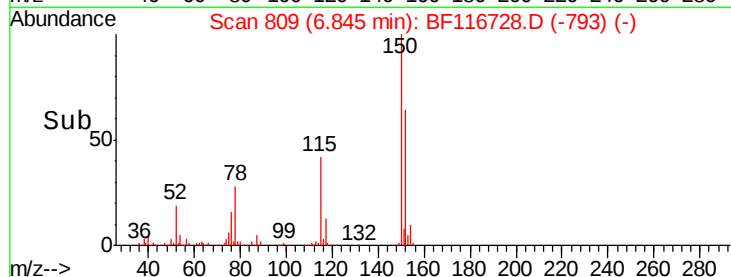


Abundance

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: 120.341 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116728.D

Acq: 1 Sep 2019 6:22

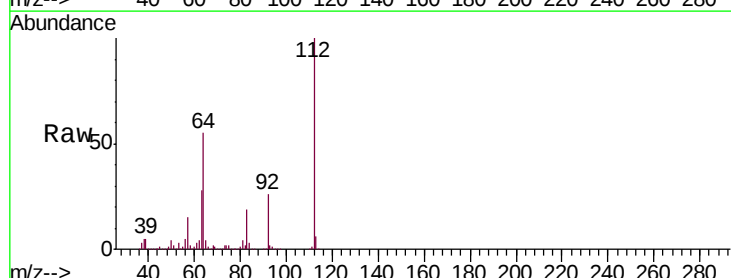
Tgt Ion:112 Resp: 955668

Ion Ratio Lower Upper

112 100

64 54.9 47.1 70.7

63 28.2 24.9 37.3

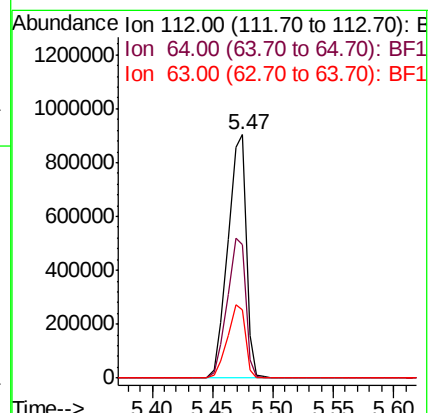
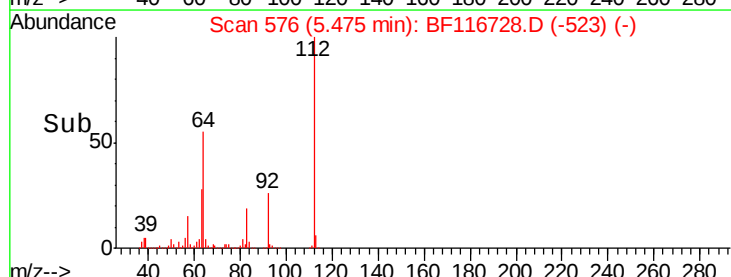


Abundance

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: 115.027 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116728.D

Acq: 1 Sep 2019 6:22

Instrument :

BNA_F

ClientSampleId :

T4-S-D1-D4

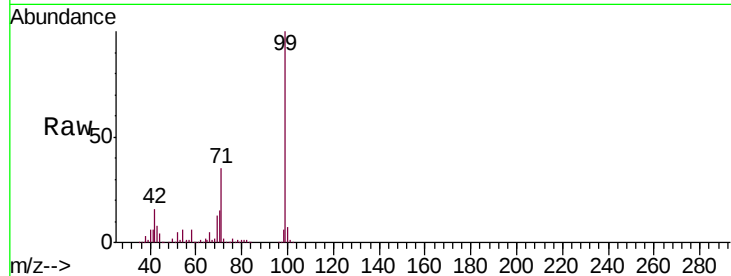
Tgt Ion: 99 Resp: 1199480

Ion Ratio Lower Upper

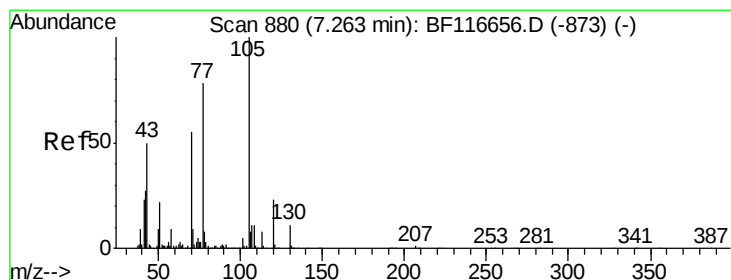
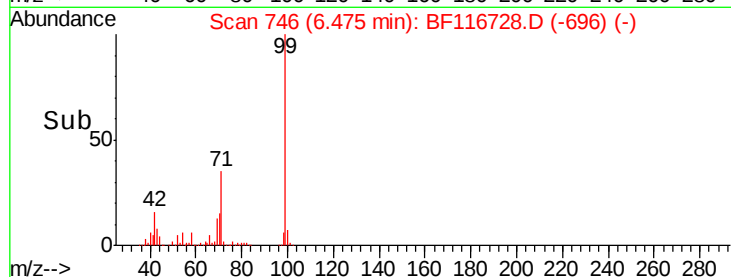
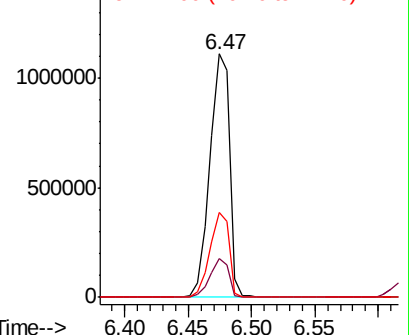
99 100

42 15.8 13.7 20.5

71 35.1 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000 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: 17.448 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116728.D

Acq: 1 Sep 2019 6:22

Tgt Ion: 70 Resp: 119797

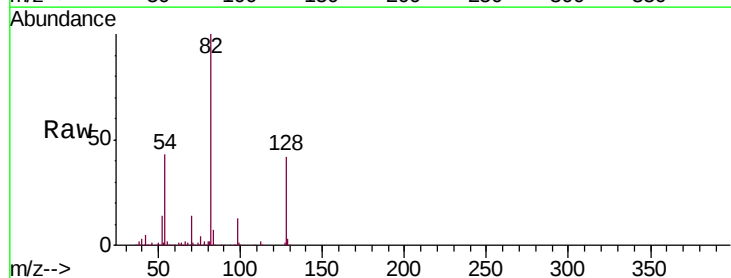
Ion Ratio Lower Upper

70 100

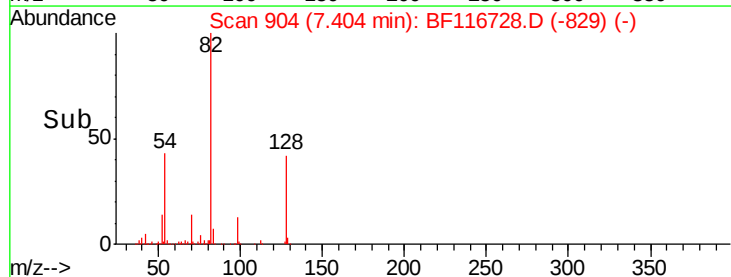
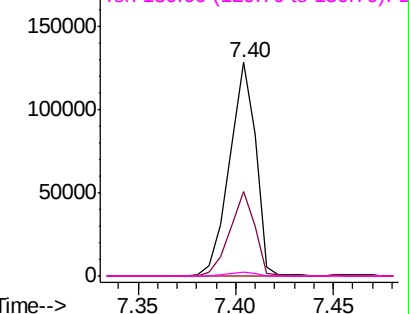
42 39.8 43.5 65.3#

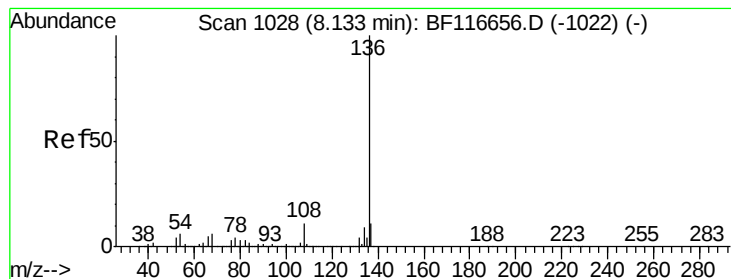
101 0.0 7.8 11.6#

130 1.6 16.6 24.8#



Abundance Ion 70.00 (69.70 to 70.70): BF1
200000 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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116728.D

Acq: 1 Sep 2019 6:22

Instrument :

BNA_F

ClientSampleId :

T4-S-D1-D4

Tgt Ion: 136 Resp: 497309

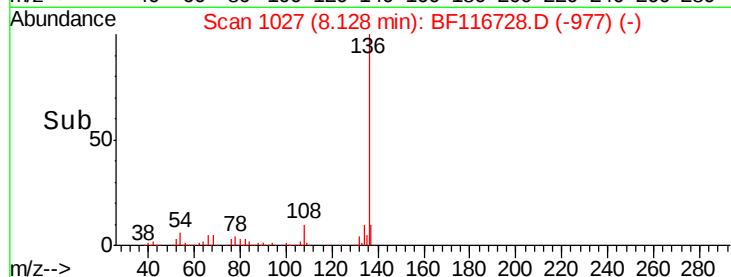
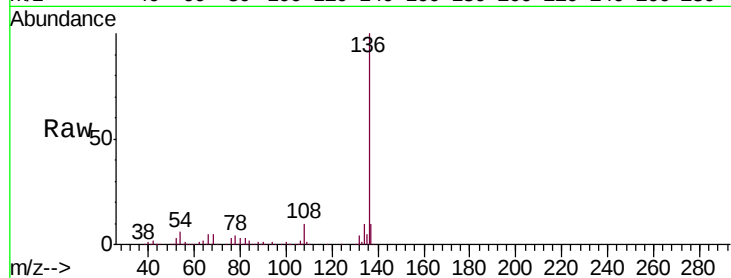
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 5.5 4.8 7.2

68 5.3 4.0 6.0

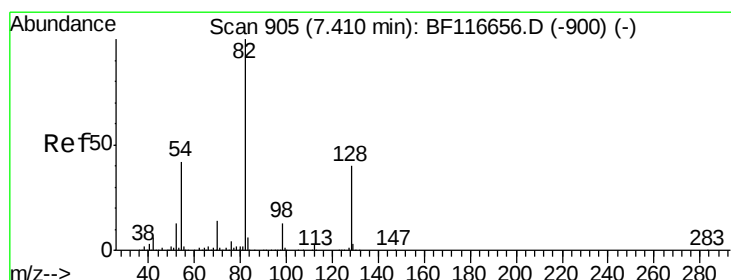
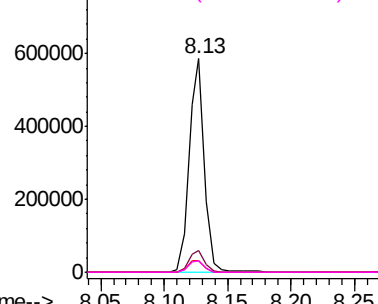


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.566 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116728.D

Acq: 1 Sep 2019 6:22

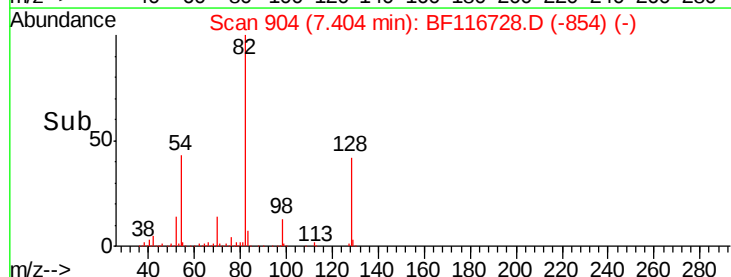
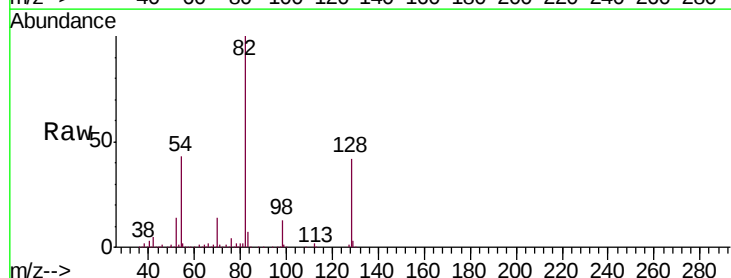
Tgt Ion: 82 Resp: 893492

Ion Ratio Lower Upper

82 100

128 42.0 32.8 49.2

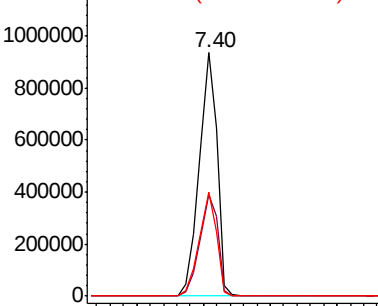
54 42.7 36.9 55.3

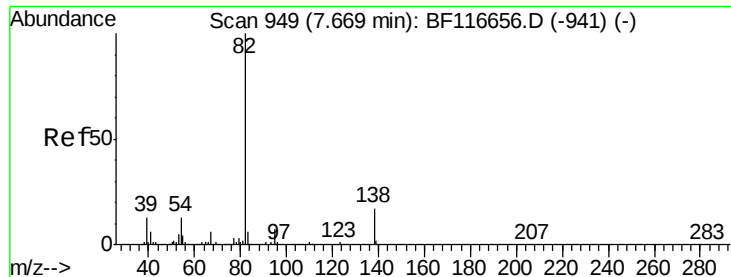


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.624 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116728.D

Acq: 1 Sep 2019 6:22

Instrument :

BNA_F

ClientSampleId :

T4-S-D1-D4

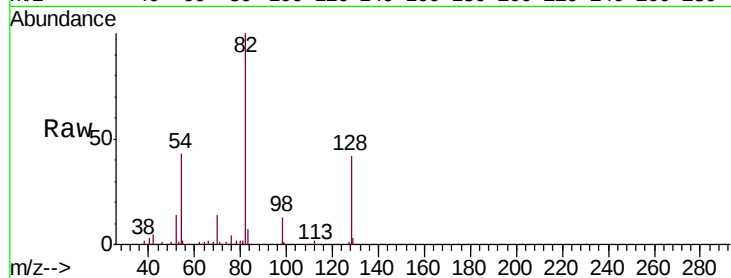
Tgt Ion: 82 Resp: 893618

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

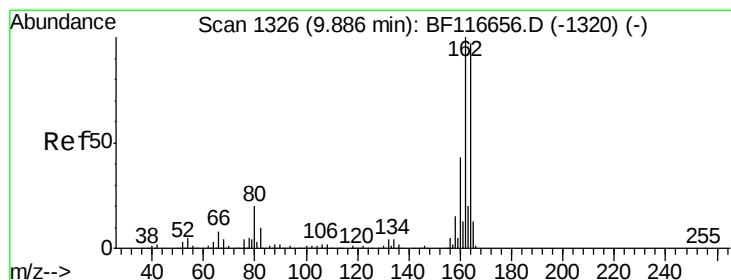
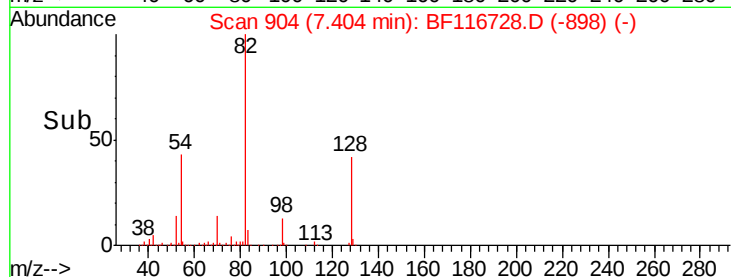
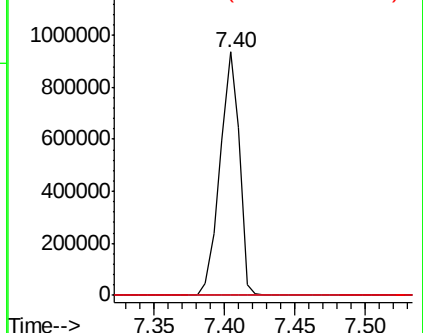
138 0.0 13.5 20.3#



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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF116728.D

Acq: 1 Sep 2019 6:22

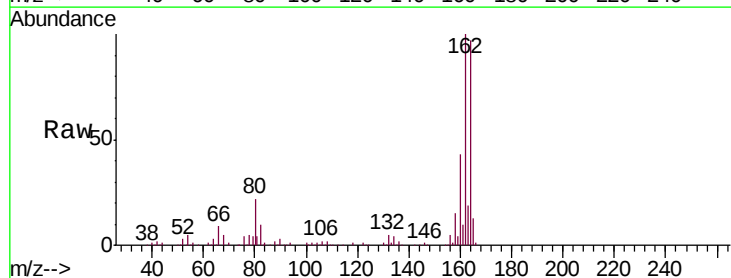
Tgt Ion: 164 Resp: 255678

Ion Ratio Lower Upper

164 100

162 102.9 81.4 122.0

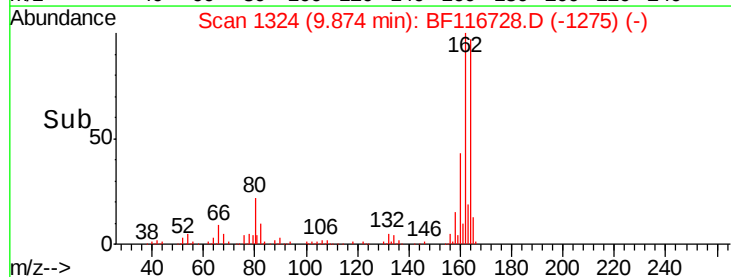
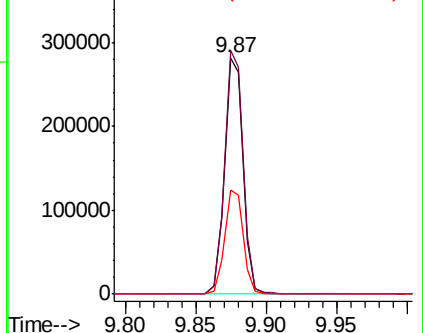
160 44.2 35.4 53.2

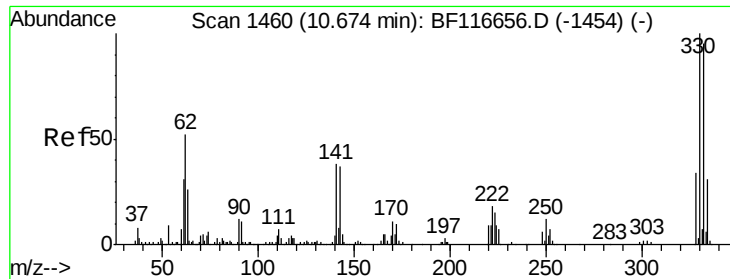


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

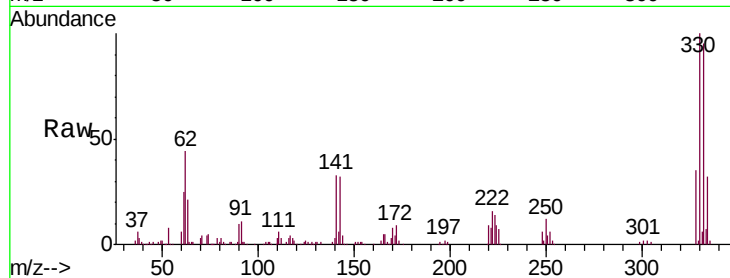




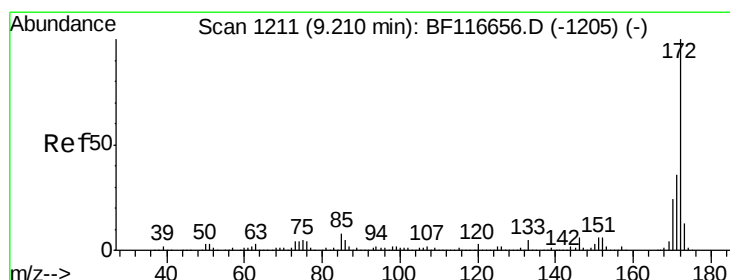
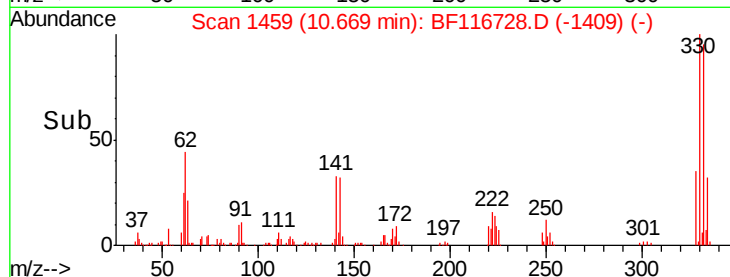
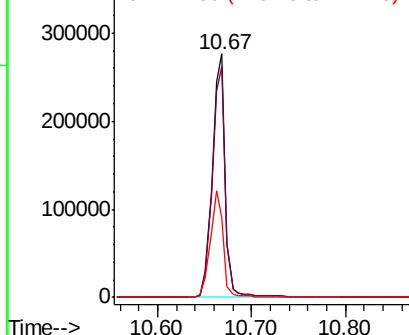
#42
 2,4,6-Tribromophenol
 Concen: 159.140 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116728.D
 Acq: 1 Sep 2019 6:22

Instrument :
 BNA_F
 ClientSampleId :
 T4-S-D1-D4

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.9	115.3
141	43.6	31.4	47.2

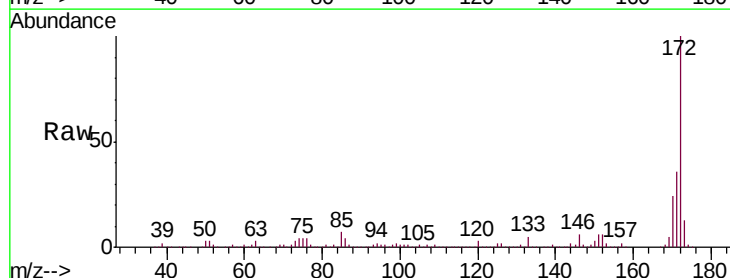


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

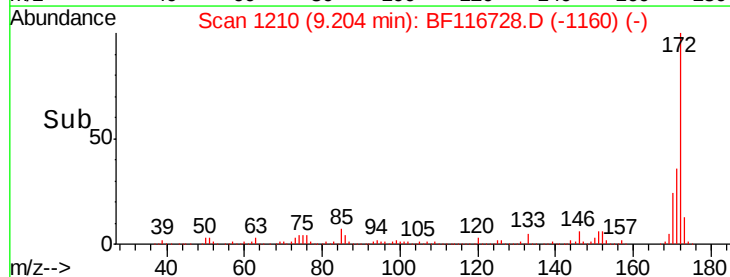
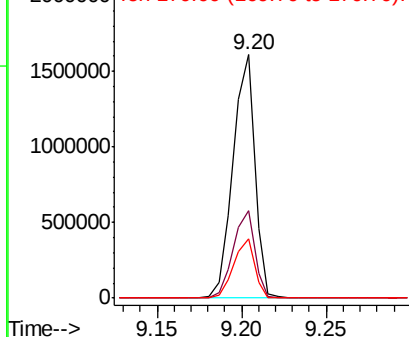


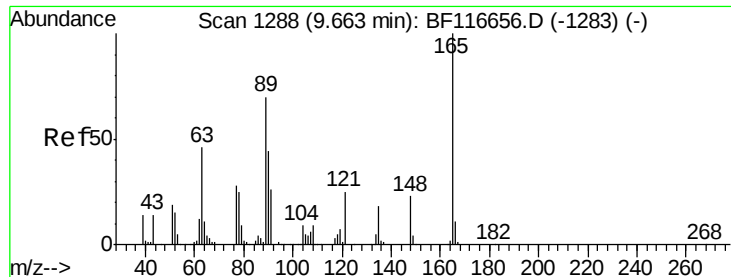
#45
 2-Fluorobiphenyl
 Concen: 95.566 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116728.D
 Acq: 1 Sep 2019 6:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	27.8	41.6
170	24.2	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: 9.606 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF116728.D

Acq: 1 Sep 2019 6:22

Instrument :

BNA_F

ClientSampleId :

T4-S-D1-D4

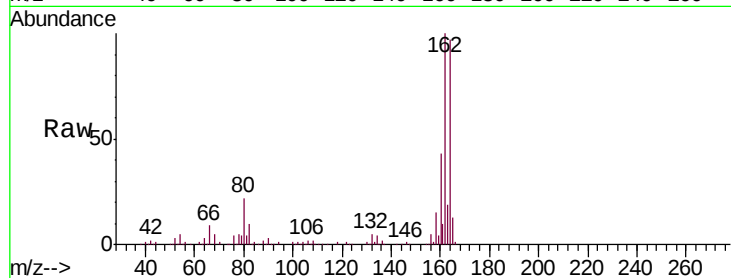
Tgt Ion:165 Resp: 32352

Ion Ratio Lower Upper

165 100

63 1.0 47.3 70.9#

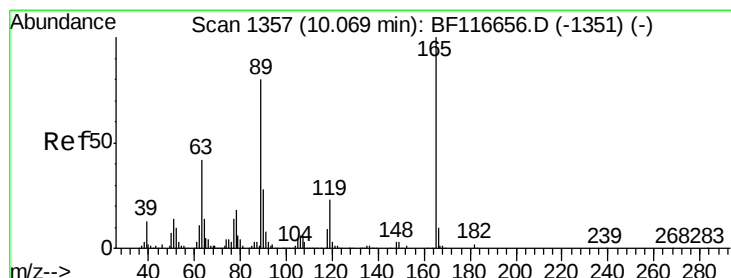
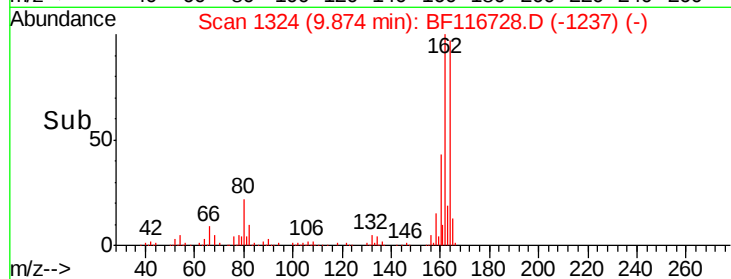
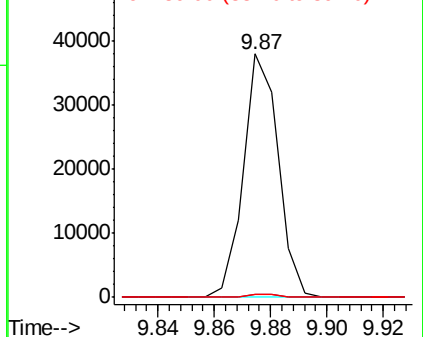
89 1.1 52.5 78.7#



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: 7.856 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.19 min

Lab File: BF116728.D

Acq: 1 Sep 2019 6:22

Tgt Ion:165 Resp: 32352

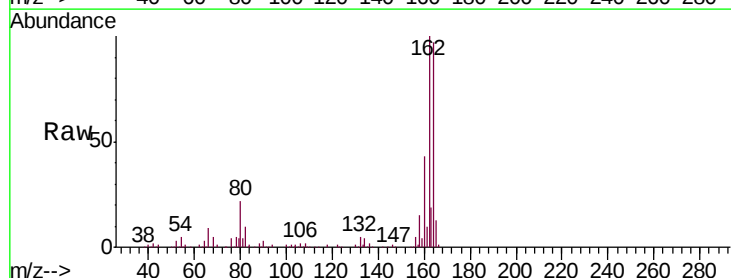
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.1 62.6 94.0#

182 0.0 2.1 3.1#

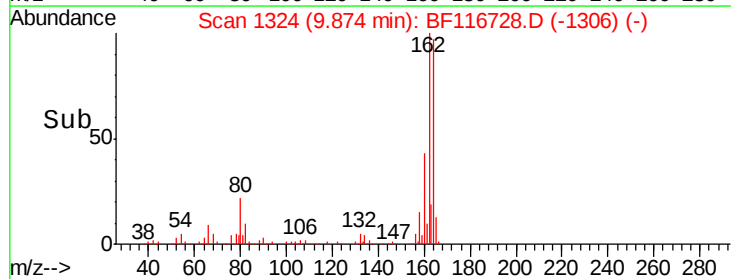
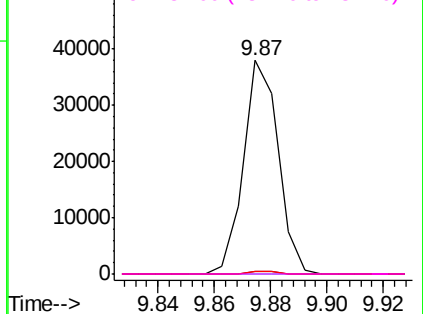


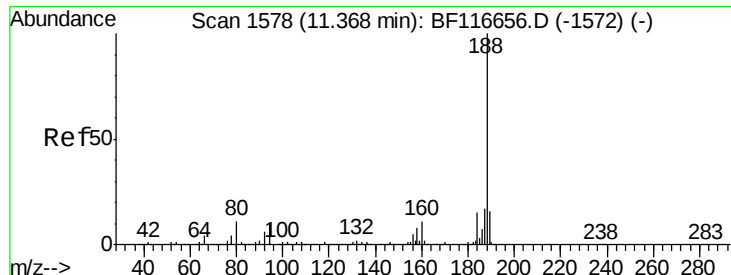
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1576

Delta R.T. -0.01 min

Lab File: BF116728.D

Acq: 1 Sep 2019 6:22

Instrument :

BNA_F

ClientSampleId :

T4-S-D1-D4

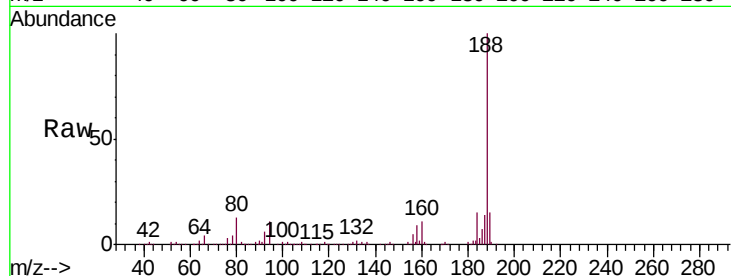
Tgt Ion:188 Resp: 407594

Ion Ratio Lower Upper

188 100

94 11.2 7.3 10.9#

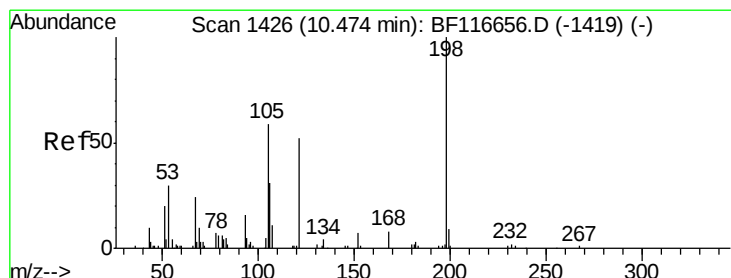
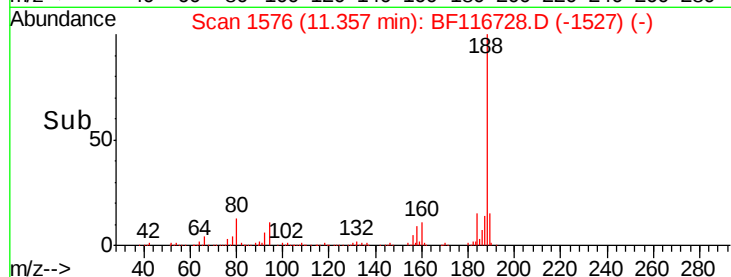
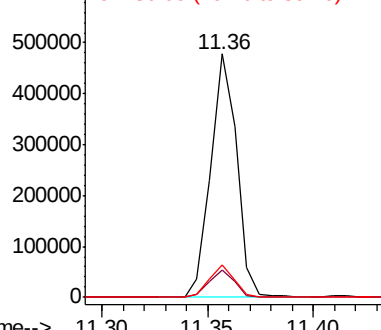
80 13.1 8.4 12.6#



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: 7.798 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116728.D

Acq: 1 Sep 2019 6:22

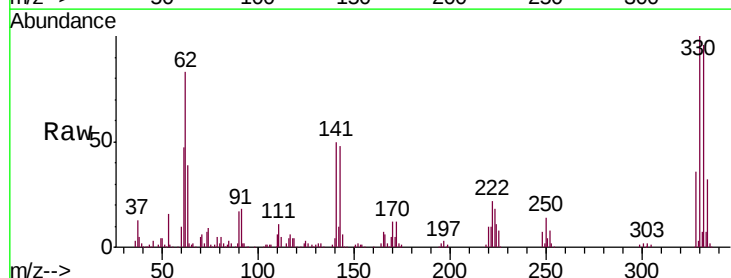
Tgt Ion:198 Resp: 617

Ion Ratio Lower Upper

198 100

51 168.1 18.4 58.4#

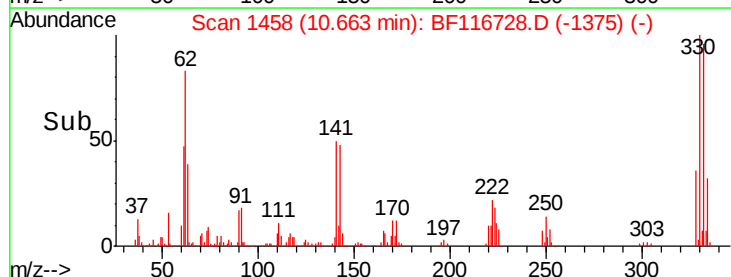
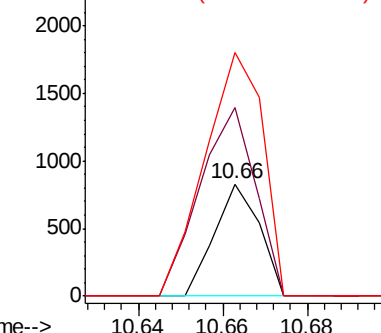
105 217.8 22.9 62.9#

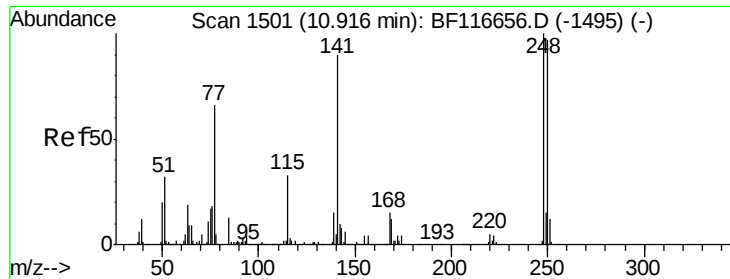


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

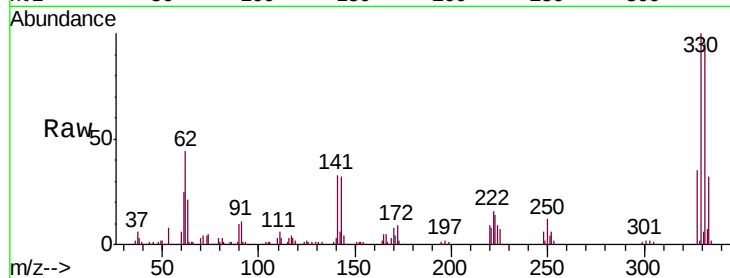




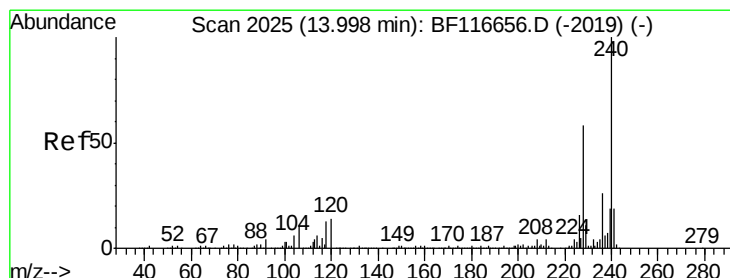
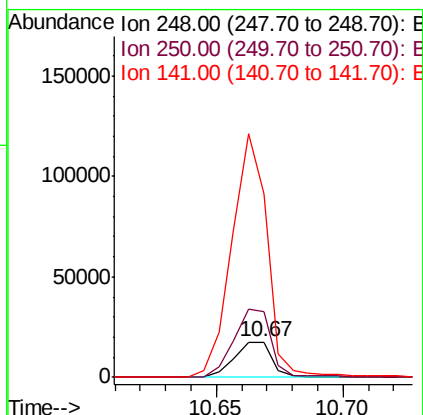
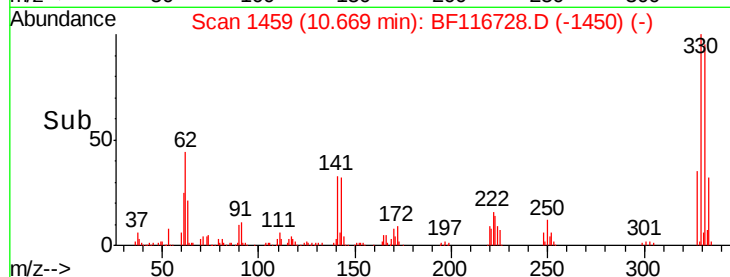
#67
4-Bromophenyl-phenylether
Concen: 4.303 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF116728.D
Acq: 1 Sep 2019 6:22

Instrument :
BNA_F
ClientSampleId :
T4-S-D1-D4

Tgt Ion:248 Resp: 17815
Ion Ratio Lower Upper
248 100
250 187.0 77.8 116.8#
141 523.6 75.9 113.9#

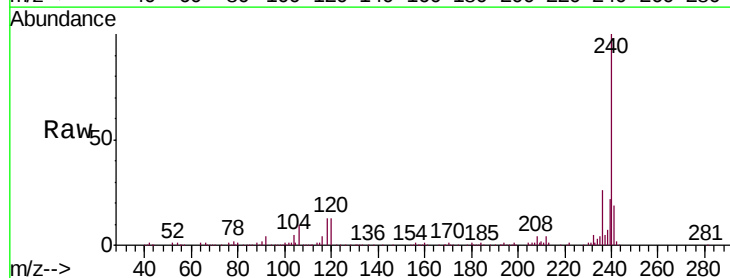


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

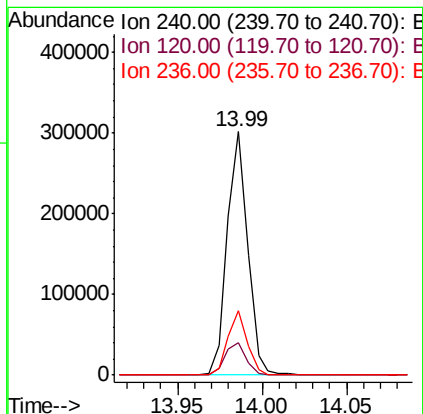
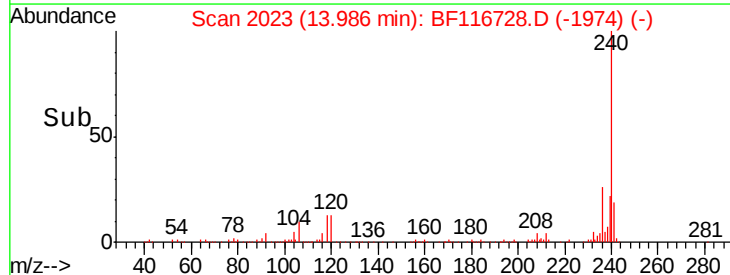


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116728.D
Acq: 1 Sep 2019 6:22

Tgt Ion:240 Resp: 254286
Ion Ratio Lower Upper
240 100
120 13.3 9.1 13.7
236 26.4 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

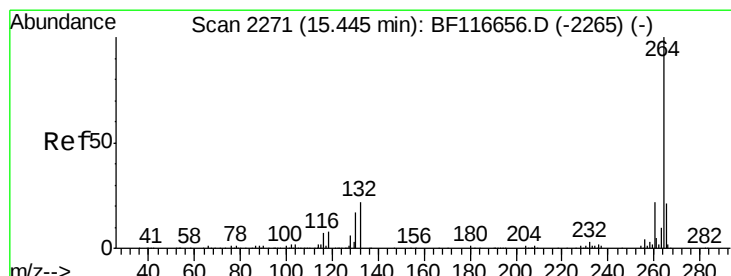
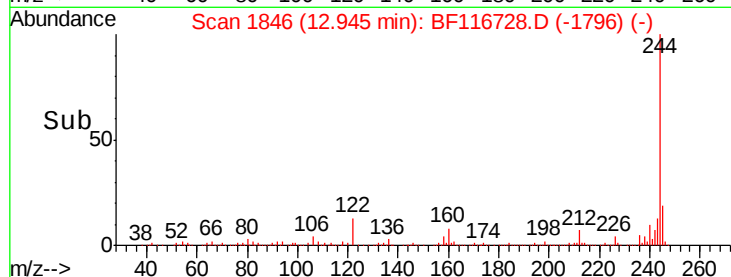
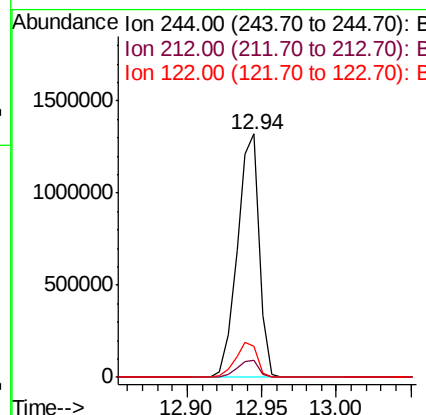
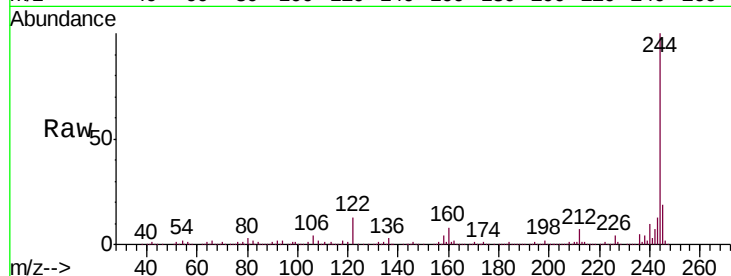




#79
 Terphenyl-d14
 Concen: 98.854 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116728.D
 Acq: 1 Sep 2019 6:22

Instrument :
 BNA_F
 ClientSampleId :
 T4-S-D1-D4

Tgt Ion:244 Resp: 1358812
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 13.0 10.2 15.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF116728.D
 Acq: 1 Sep 2019 6:22

Tgt Ion:264 Resp: 295594
 Ion Ratio Lower Upper
 264 100
 260 24.5 18.3 27.5
 265 21.4 16.5 24.7

