

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116715.D
 Acq On : 1 Sep 2019 00:27
 Operator : HP/JU
 Sample : K4527-37
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-P-(0-1.9)

Quant Time: Sep 01 01:30:29 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

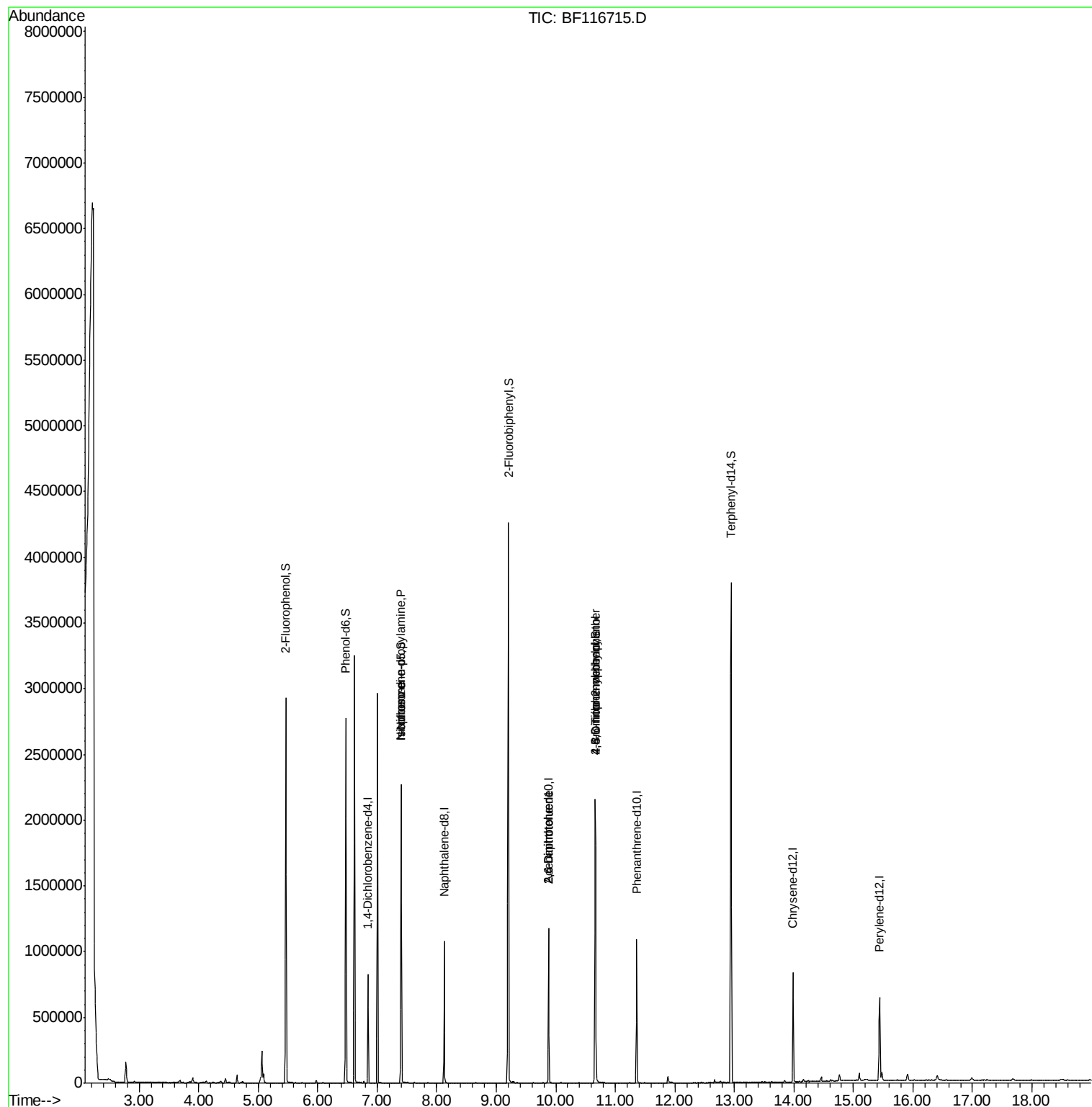
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	113734	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	446764	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	226950	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	375840	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	248746	20.00	ng	-0.01
87) Perylene-d12	15.44	264	276236	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	831486	118.44	ng	0.00
7) Phenol-d6	6.47	99	1045851	113.45	ng	0.00
23) Nitrobenzene-d5	7.40	82	760226	97.14	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	238005	156.87	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1268008	94.25	ng	0.00
79) Terphenyl-d14	12.94	244	1260685	93.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	100372	16.536	ng	# 73
25) Isophorone	7.40	82	760217	47.939	ng	# 66
51) 2,6-Dinitrotoluene	9.88	165	29036	9.713	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	29036	7.943	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	528	7.773	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	14375	3.765	ng	# 1

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

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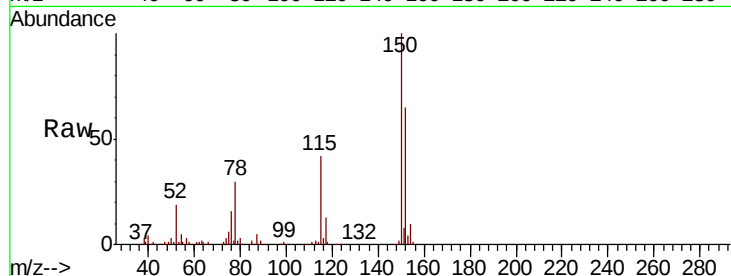


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116715.D
Acq: 1 Sep 2019 00:27

Instrument :
BNA_F
ClientSampleId :
T9-12-13-P-(0-1.9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.4	186.6
115	64.8	49.9	74.9

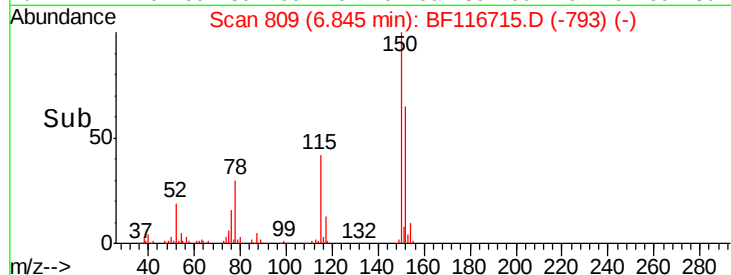
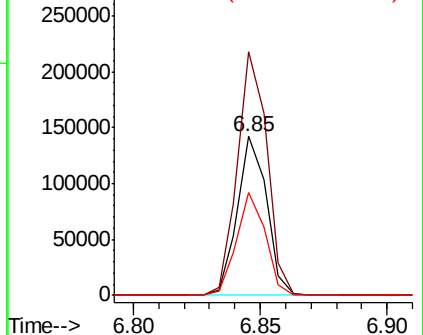


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

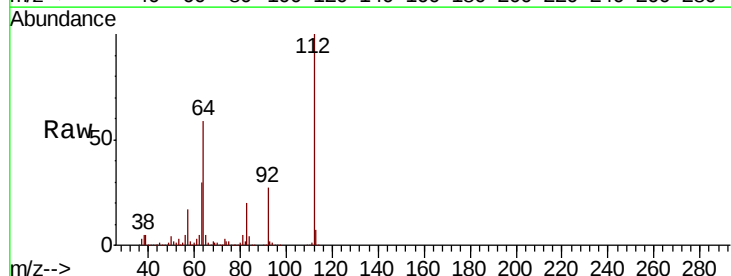
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 118.439 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116715.D
Acq: 1 Sep 2019 00:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.1	70.7
63	30.4	24.9	37.3

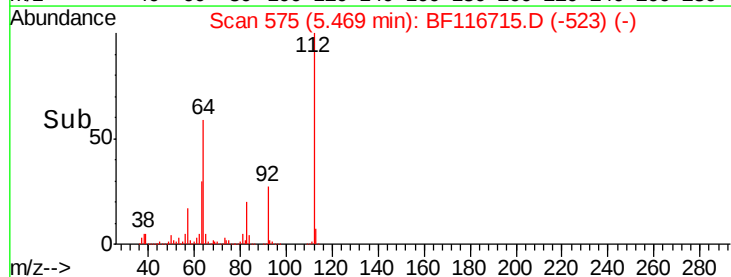
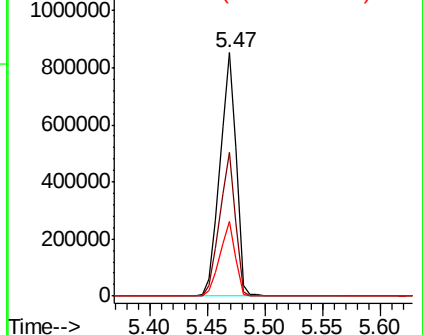


Abundance

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: 113.451 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116715.D

Acq: 1 Sep 2019 00:27

Instrument :

BNA_F

ClientSampleId :

T9-12-13-P-(0-1.9)

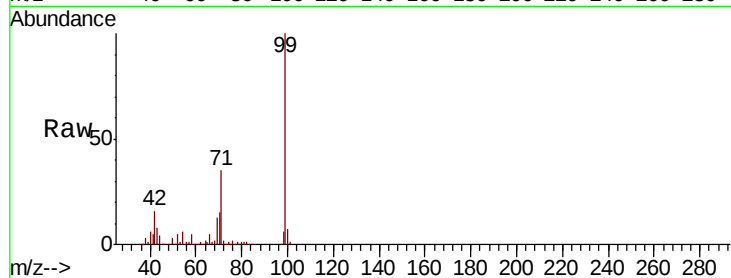
Tot Ion: 99 Resp: 1045851

Ion Ratio Lower Upper

99 100

42 15.8 13.7 20.5

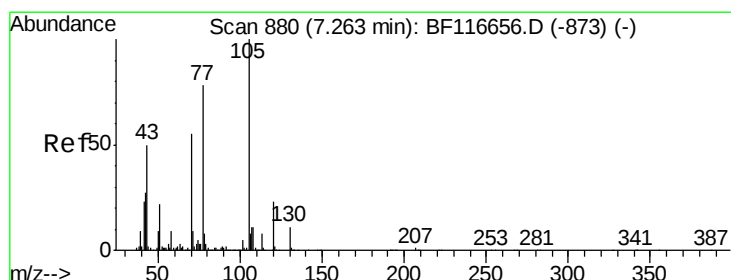
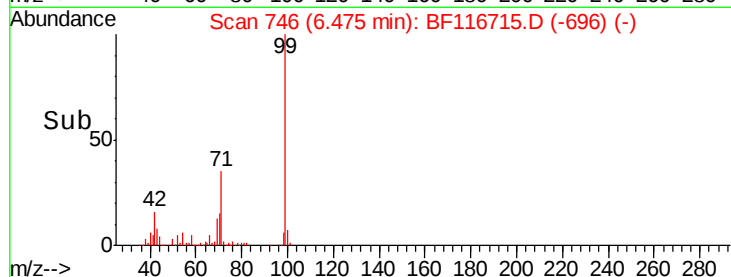
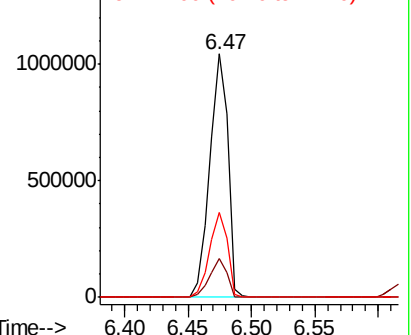
71 35.1 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 16.536 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116715.D

Acq: 1 Sep 2019 00:27

Tgt Ion: 70 Resp: 100372

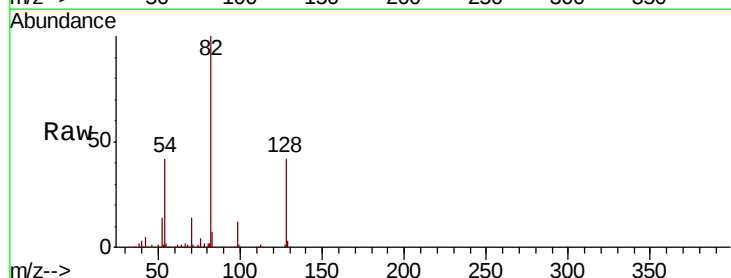
Ion Ratio Lower Upper

70 100

42 38.5 43.5 65.3#

101 0.0 7.8 11.6#

130 2.2 16.6 24.8#

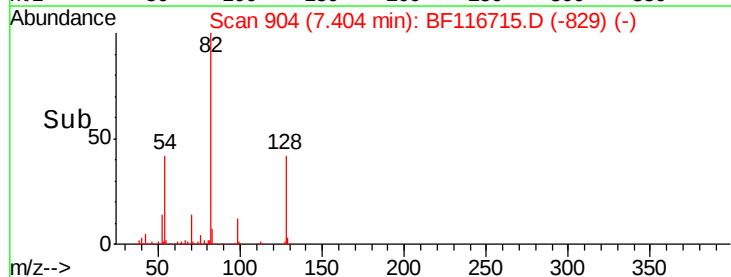
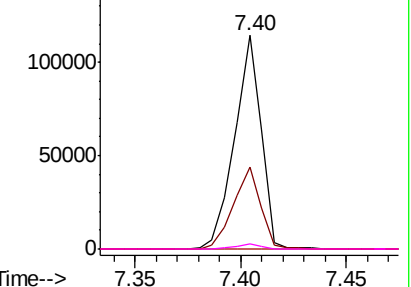


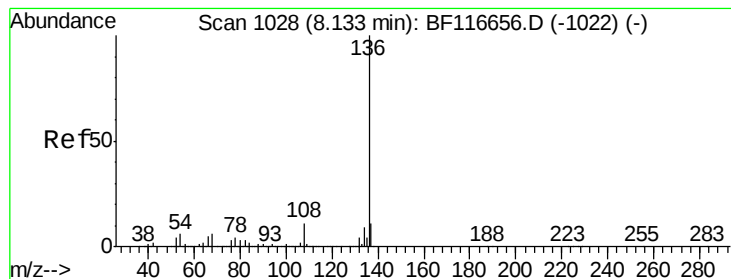
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116715.D

Acq: 1 Sep 2019 00:27

Instrument :

BNA_F

ClientSampleId :

T9-12-13-P-(0-1.9)

Tot Ion:136 Resp: 446764

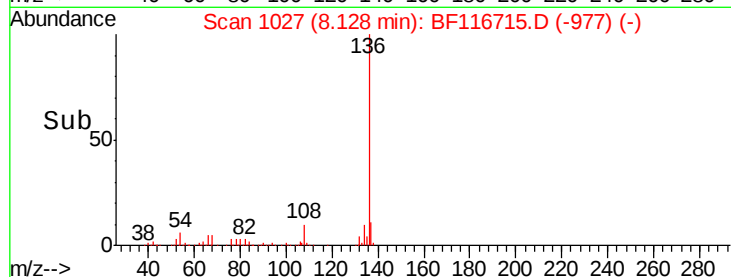
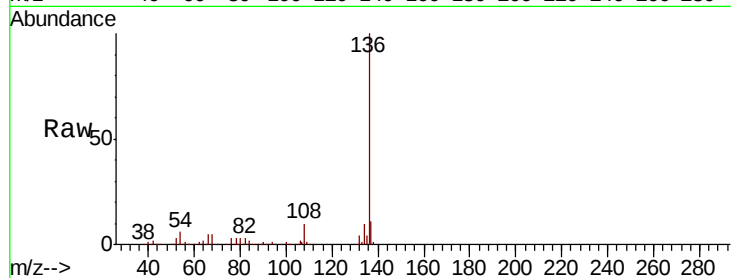
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 5.7 4.8 7.2

68 5.2 4.0 6.0

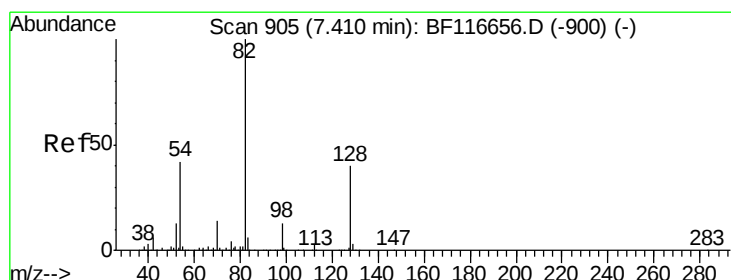
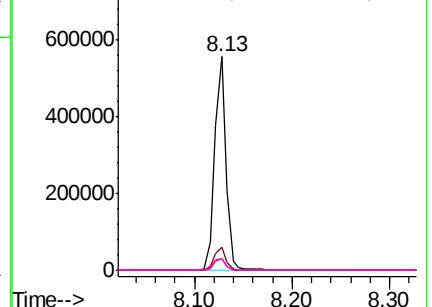


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.141 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116715.D

Acq: 1 Sep 2019 00:27

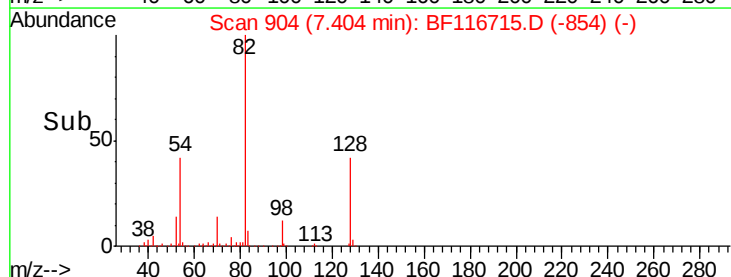
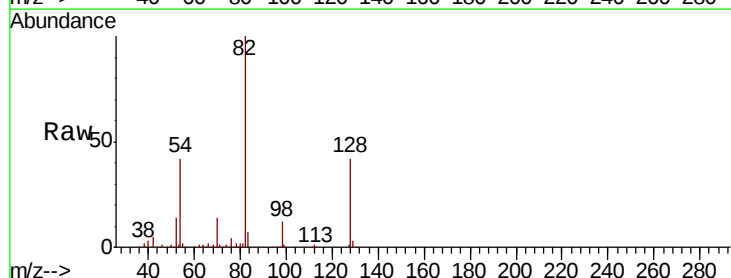
Tgt Ion: 82 Resp: 760226

Ion Ratio Lower Upper

82 100

128 41.7 32.8 49.2

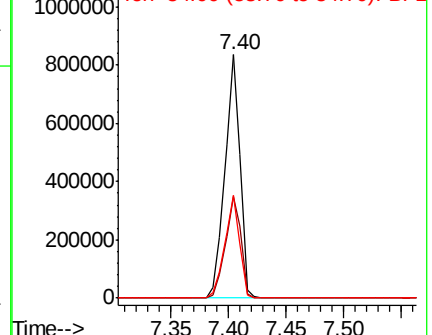
54 42.4 36.9 55.3



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: 47.939 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116715.D

Acq: 1 Sep 2019 00:27

Instrument :

BNA_F

ClientSampleId :

T9-12-13-P-(0-1.9)

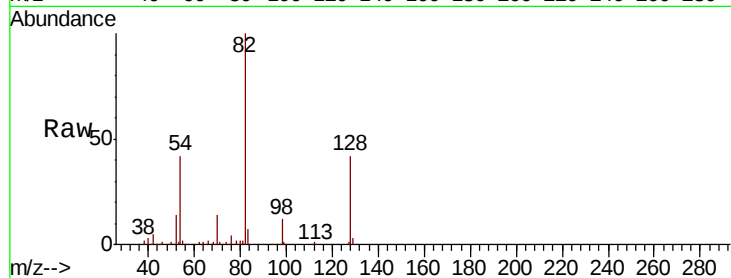
Tot Ion: 82 Resp: 760217

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

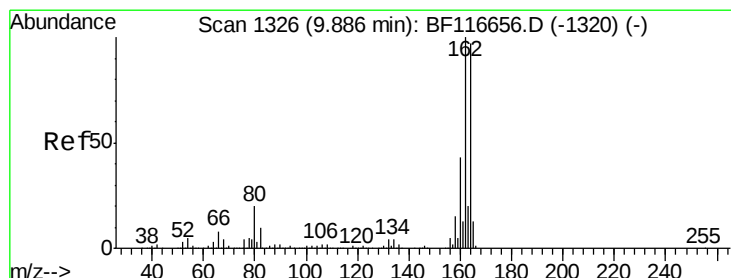
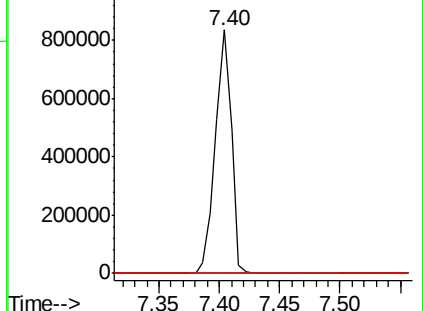
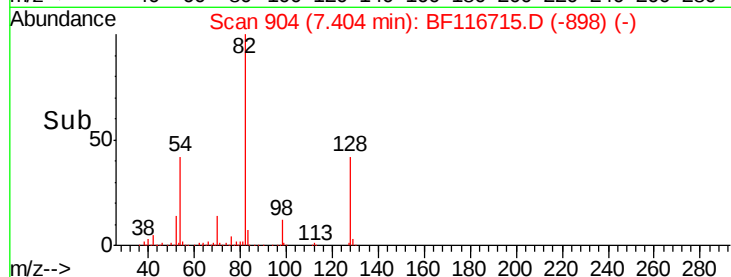
138 0.0 13.5 20.3#



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: BF116715.D

Acq: 1 Sep 2019 00:27

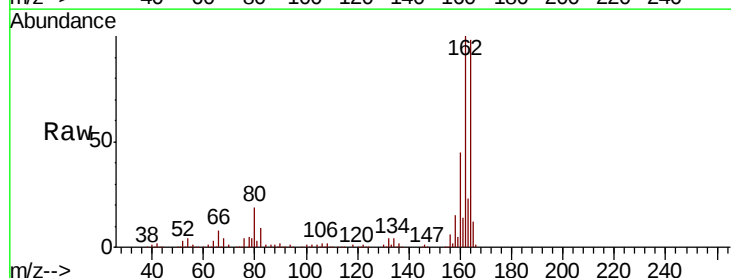
Tgt Ion:164 Resp: 226950

Ion Ratio Lower Upper

164 100

162 102.4 81.4 122.0

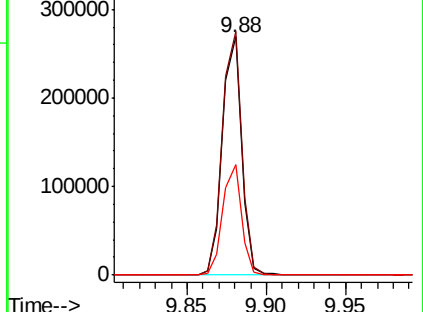
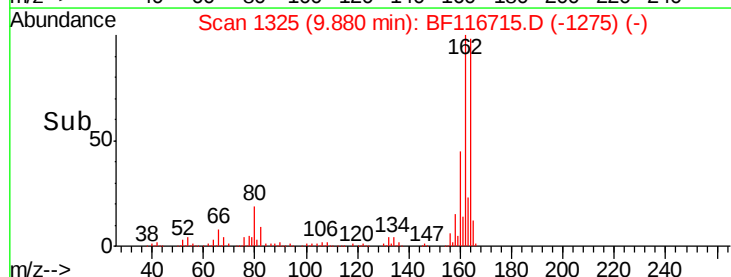
160 46.3 35.4 53.2

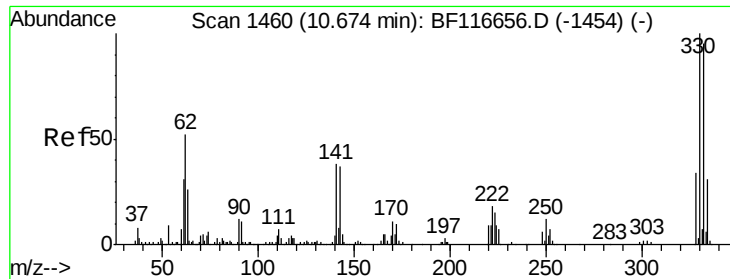


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

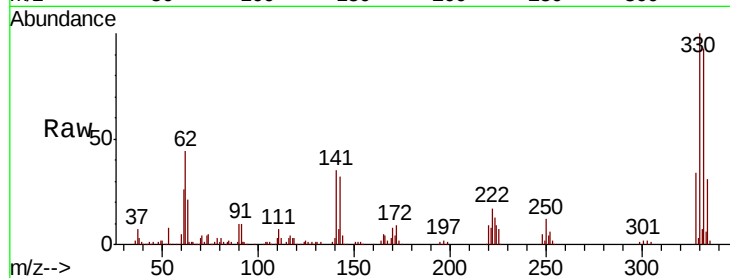




#42
 2,4,6-Tribromophenol
 Concen: 156.870 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116715.D
 Acq: 1 Sep 2019 00:27

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-P-(0-1.9)

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	76.9	115.3
141	44.1	31.4	47.2

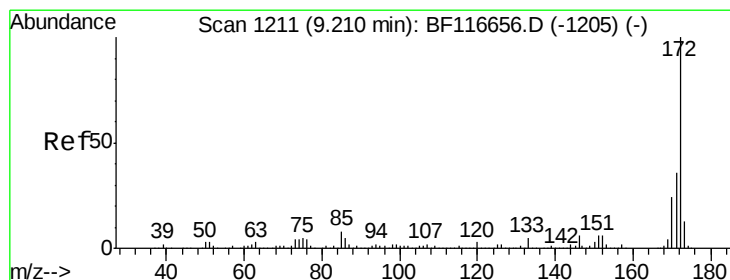
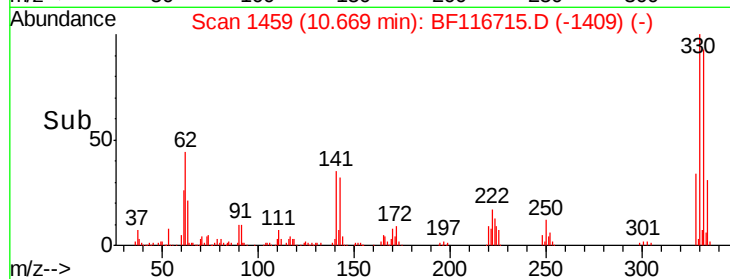
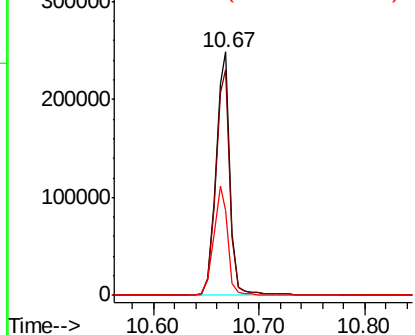


Abundance

Ion 329.80 (329.50 to 330.50): E

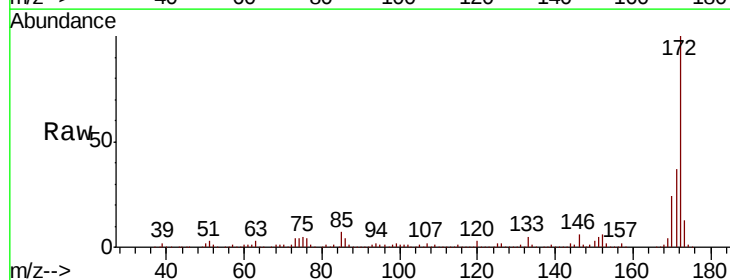
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 94.250 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116715.D
 Acq: 1 Sep 2019 00:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	27.8	41.6
170	23.9	18.9	28.3

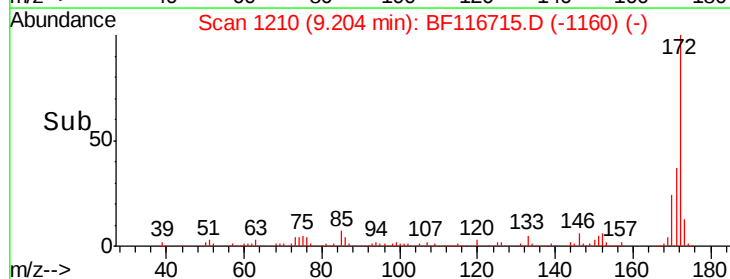
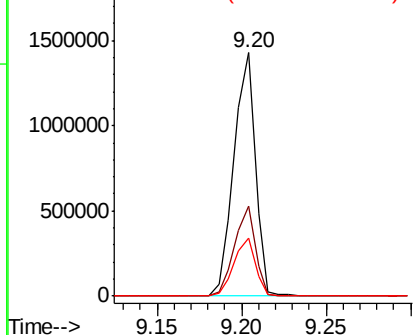


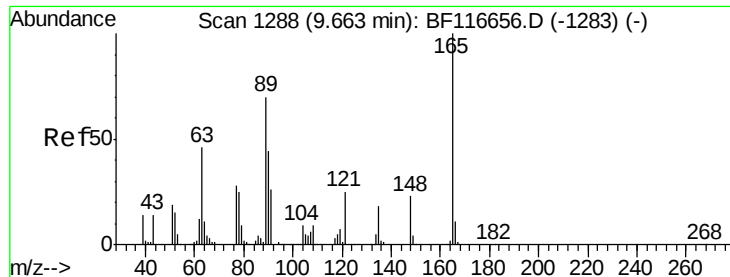
Abundance

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

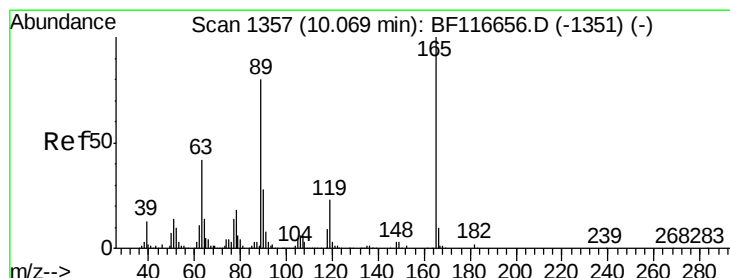
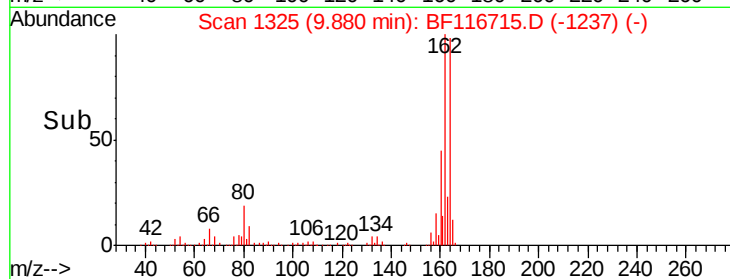
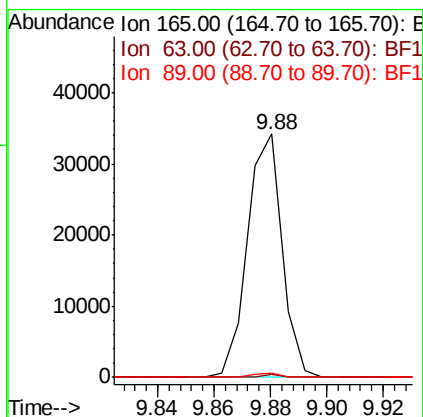
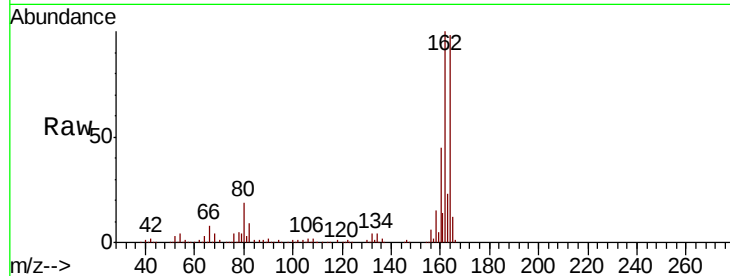




#51
 2,6-Dinitrotoluene
 Concen: 9.713 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.22 min
 Lab File: BF116715.D
 Acq: 1 Sep 2019 00:27

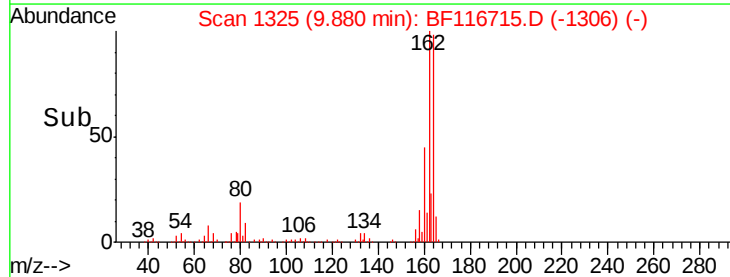
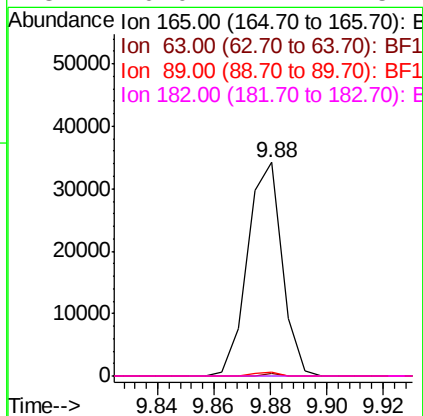
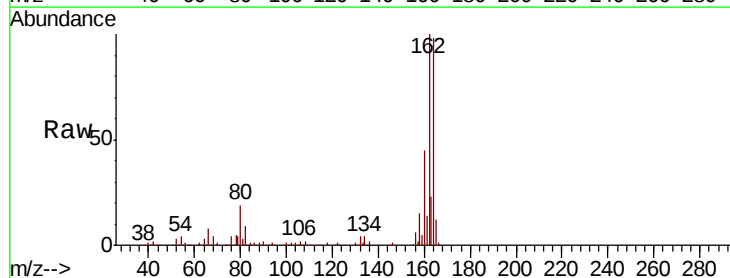
Instrument :
 BNA_F
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 T9-12-13-P-(0-1.9)

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	47.3	70.9#
89	1.5	52.5	78.7#



#57
 2,4-Dinitrotoluene
 Concen: 7.943 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116715.D
 Acq: 1 Sep 2019 00:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.5	62.6	94.0#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116715.D

Acq: 1 Sep 2019 00:27

Instrument :

BNA_F

ClientSampleId :

T9-12-13-P-(0-1.9)

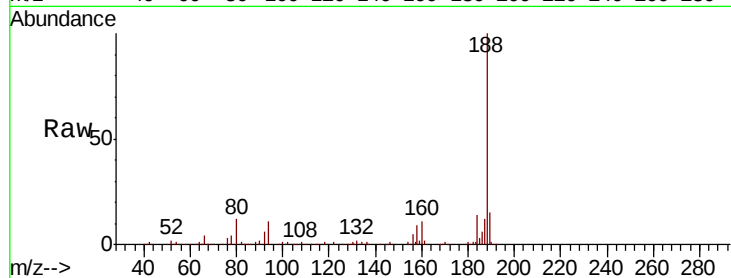
Tot Ion:188 Resp: 375840

Ion Ratio Lower Upper

188 100

94 11.4 7.3 10.9#

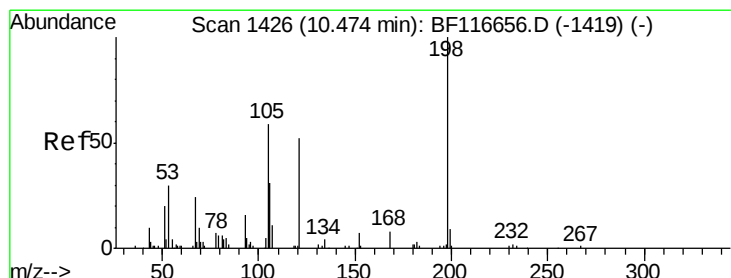
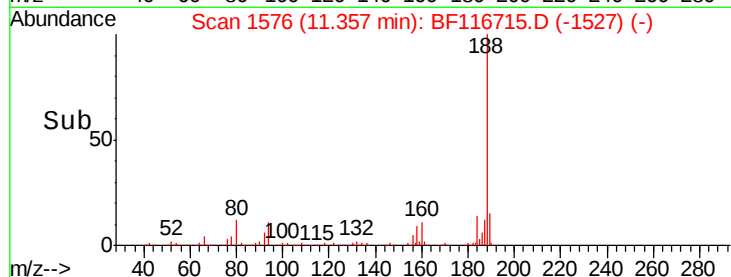
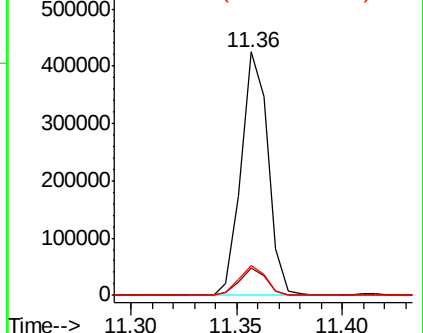
80 12.5 8.4 12.6



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: 7.773 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116715.D

Acq: 1 Sep 2019 00:27

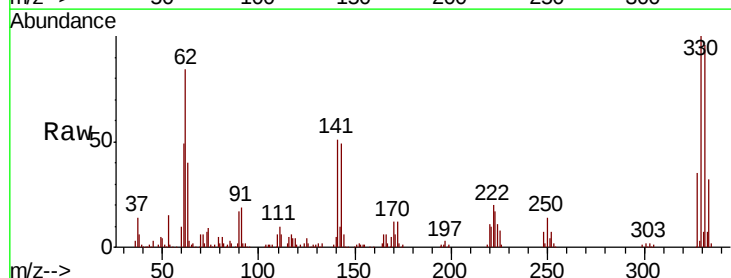
Tgt Ion:198 Resp: 528

Ion Ratio Lower Upper

198 100

51 202.2 18.4 58.4#

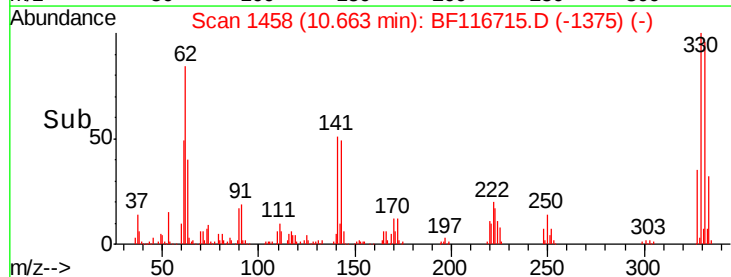
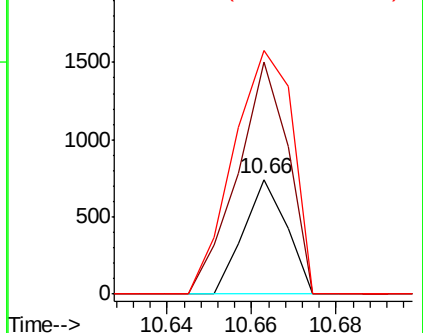
105 212.5 22.9 62.9#

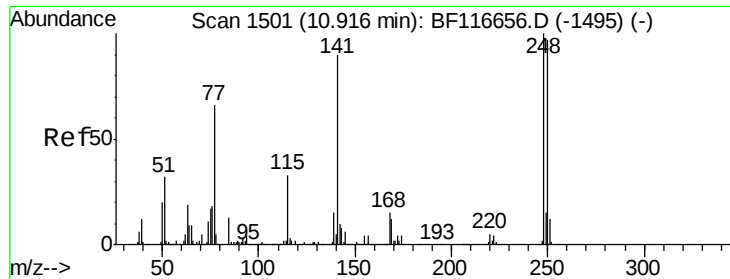


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

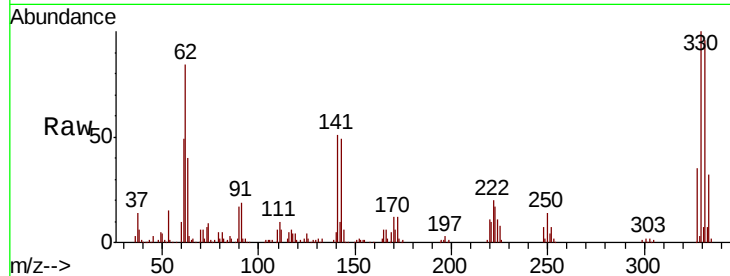




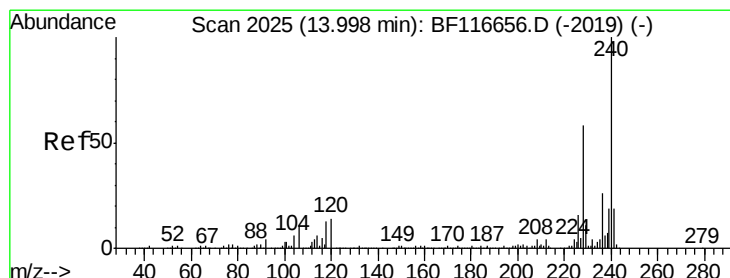
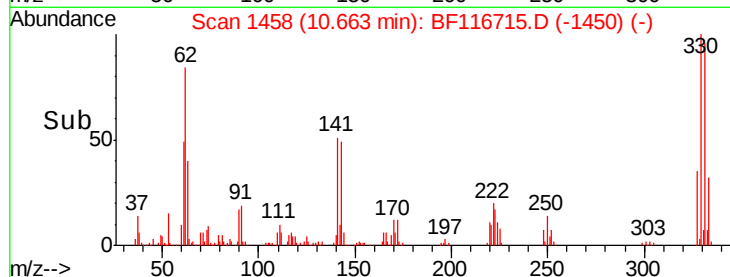
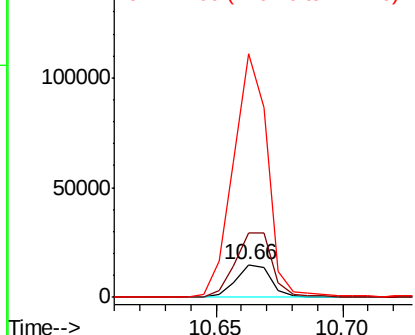
#67
4-Bromophenyl-phenylether
Concen: 3.765 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116715.D
Acq: 1 Sep 2019 00:27

Instrument :
BNA_F
ClientSampleId :
T9-12-13-P-(0-1.9)

Tot Ion:248 Resp: 14375
Ion Ratio Lower Upper
248 100
250 198.2 77.8 116.8#
141 743.1 75.9 113.9#

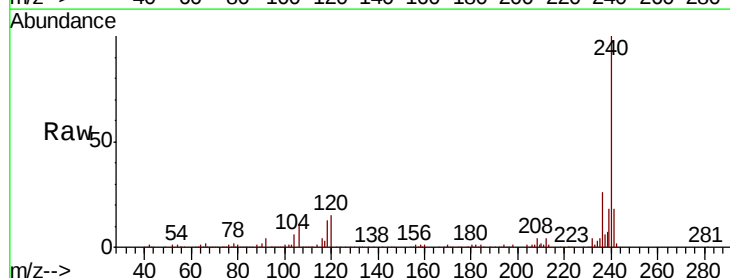


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

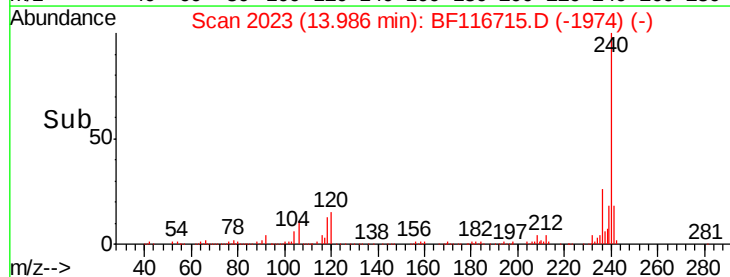
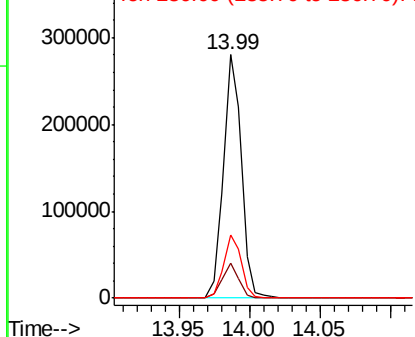


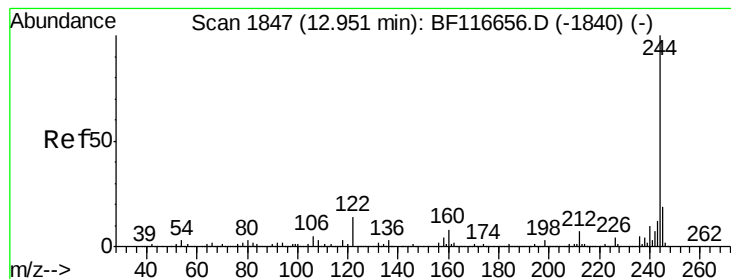
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116715.D
Acq: 1 Sep 2019 00:27

Tgt Ion:240 Resp: 248746
Ion Ratio Lower Upper
240 100
120 14.6 9.1 13.7#
236 25.8 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: 93.758 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116715.D

Acq: 1 Sep 2019 00:27

Instrument :

BNA_F

ClientSampleId :

T9-12-13-P-(0-1.9)

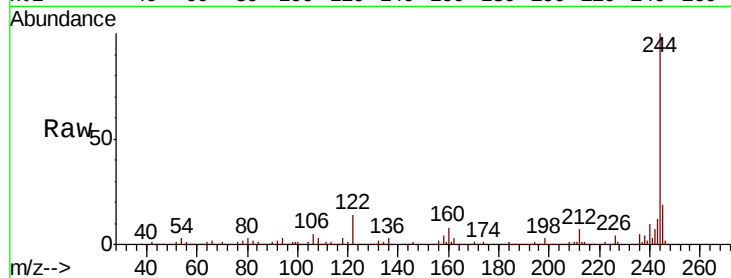
Tot Ion:244 Resp: 1260685

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

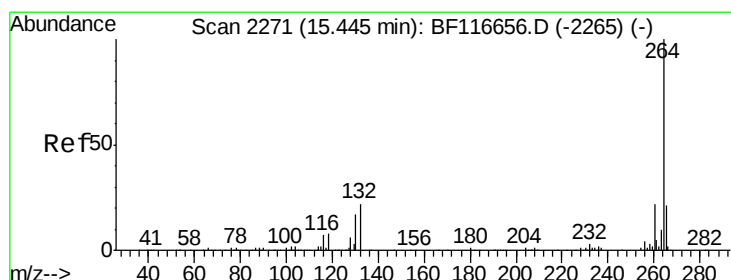
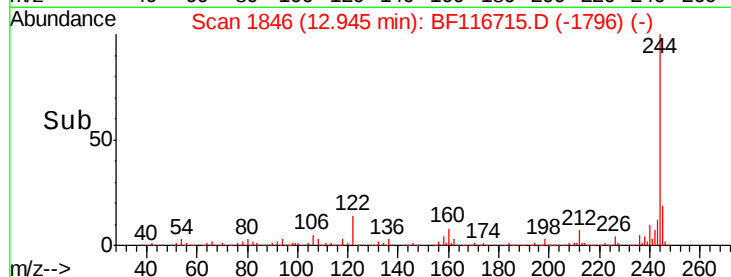
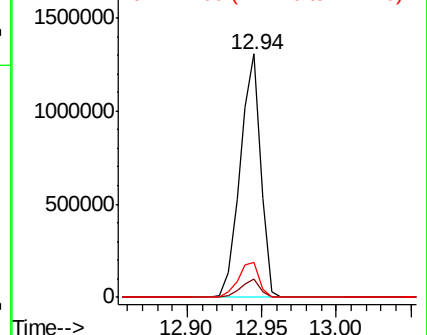
122 14.3 10.2 15.4



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# 2270

Delta R.T. -0.01 min

Lab File: BF116715.D

Acq: 1 Sep 2019 00:27

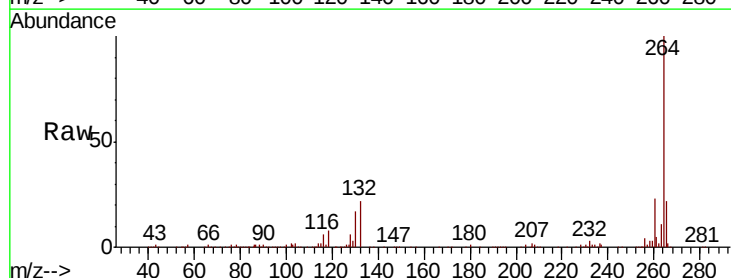
Tgt Ion:264 Resp: 276236

Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

265 22.2 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

