

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116068.D
 Acq On : 8 Aug 2019 14:52
 Operator : HP/JU
 Sample : K4148-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 09 09:10:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

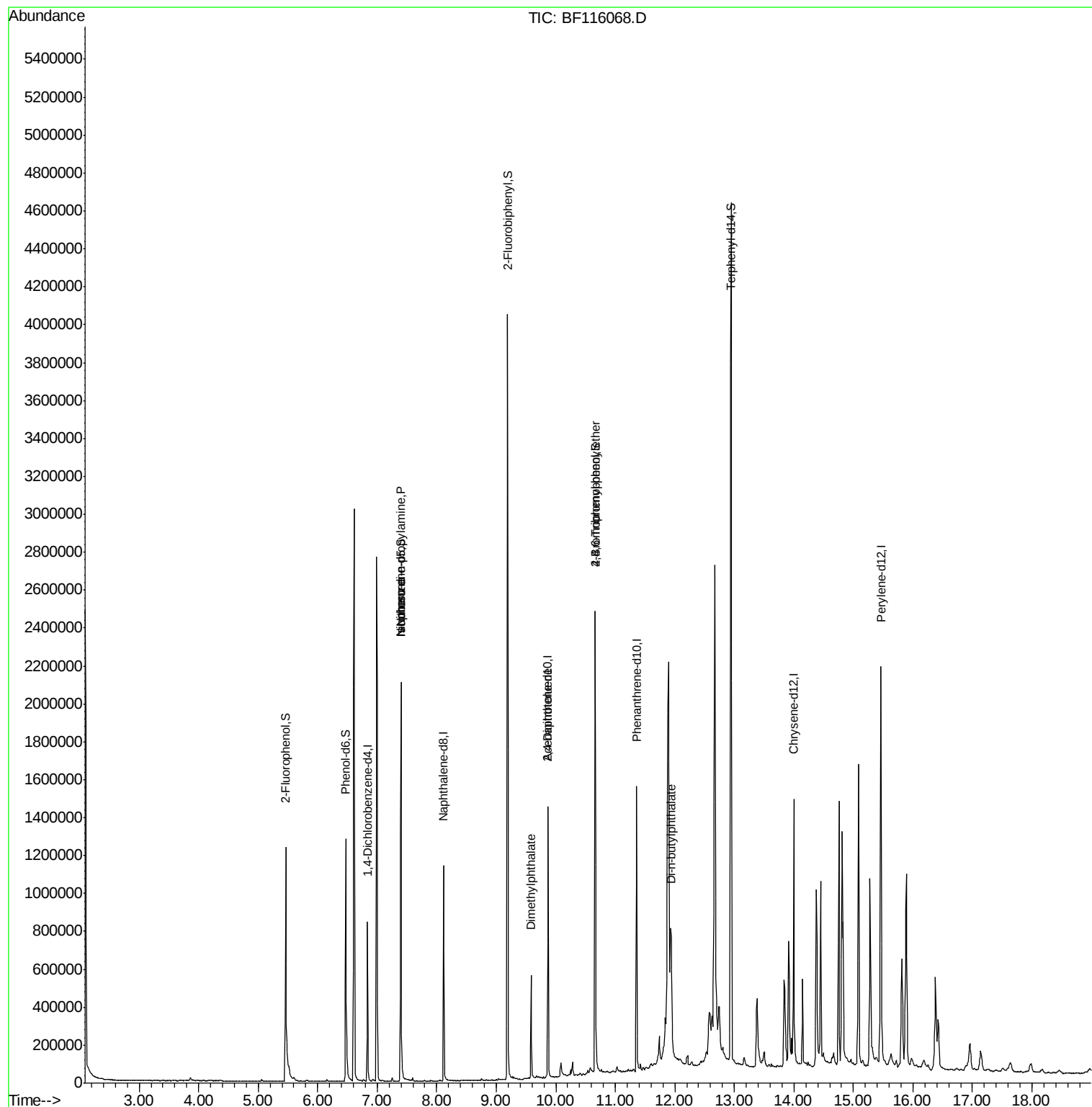
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	129618	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	504573	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	278833	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	525157	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	460806	20.00	ng	-0.01
87) Perylene-d12	15.46	264	407188	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	503103	64.98	ng	0.00
7) Phenol-d6	6.47	99	507039	51.90	ng	-0.02
23) Nitrobenzene-d5	7.40	82	744426	85.16	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	323407	119.63	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1295202	87.01	ng	-0.01
79) Terphenyl-d14	12.95	244	1757526	80.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	99586	16.451	ng	# 80
25) Isophorone	7.40	82	744421	44.537	ng	# 65
50) Dimethylphthalate	9.59	163	243805	12.842	ng	# 99
57) 2,4-Dinitrotoluene	9.87	165	35311	6.428	ng	# 21
67) 4-Bromophenyl-phenylether	10.66	248	20075	3.571	ng	# 1
74) Di-n-butylphthalate	11.93	149	353966	12.309	ng	# 95

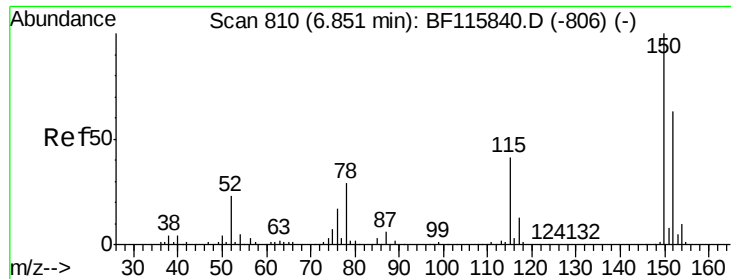
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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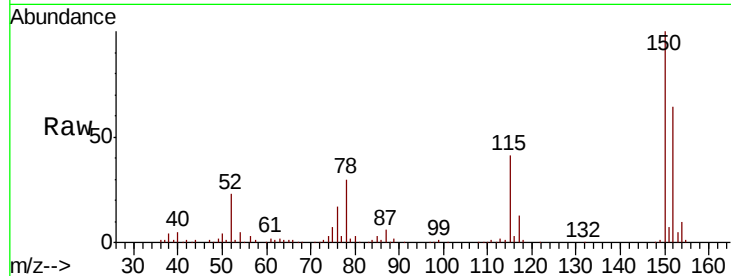


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF116068.D
Acq: 8 Aug 2019 14:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	65.0	49.9	74.9

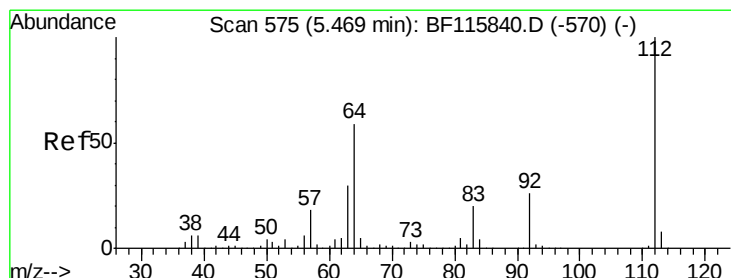
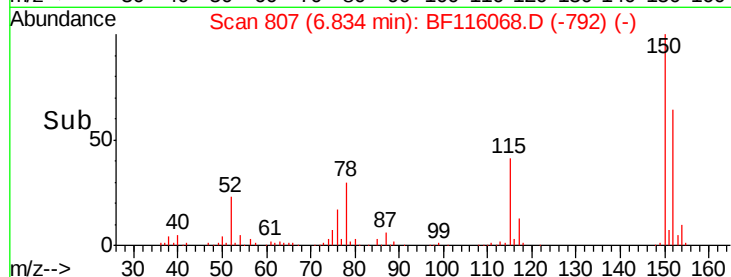
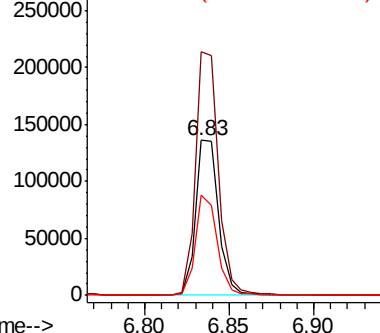


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

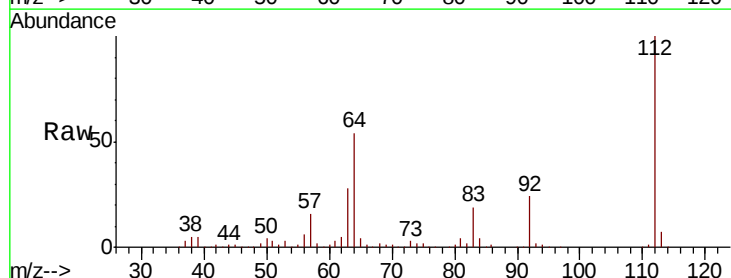
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 64.978 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116068.D
Acq: 8 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	45.4	68.2
63	28.4	23.7	35.5

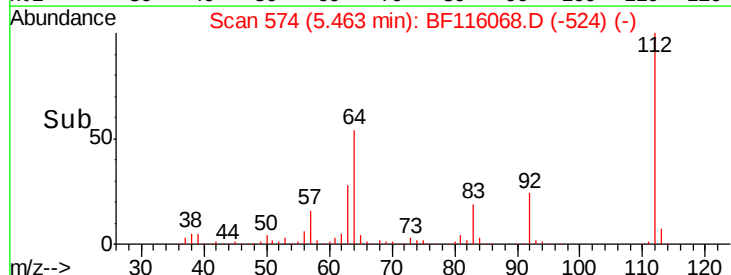
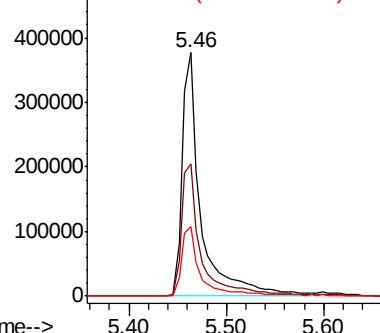


Abundance

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: 51.904 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116068.D

Acq: 8 Aug 2019 14:52

Instrument :

BNA_F

ClientSampleId :

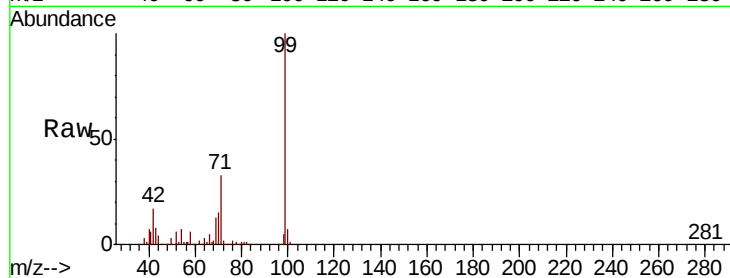
Tot Ion: 99 Resp: 507039

Ion Ratio Lower Upper

99 100

42 17.5 13.8 20.8

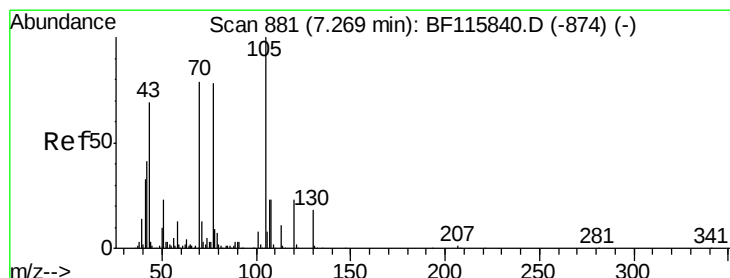
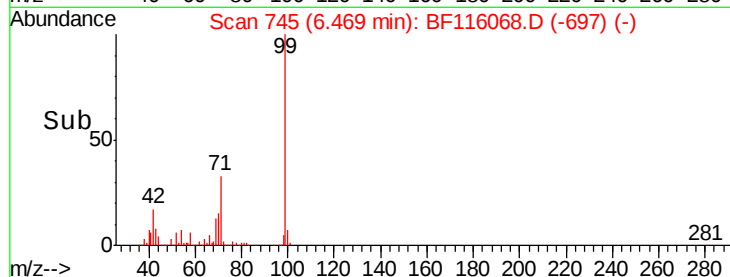
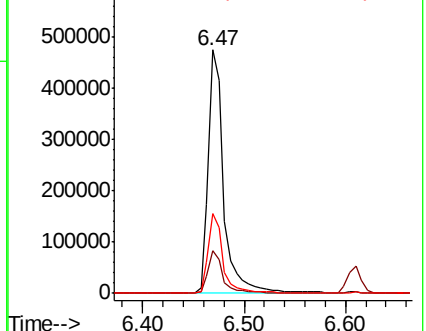
71 32.9 27.3 40.9



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: 16.451 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116068.D

Acq: 8 Aug 2019 14:52

Tgt Ion: 70 Resp: 99586

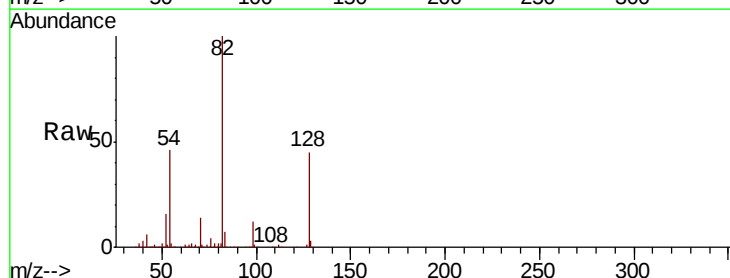
Ion Ratio Lower Upper

70 100

42 43.5 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#

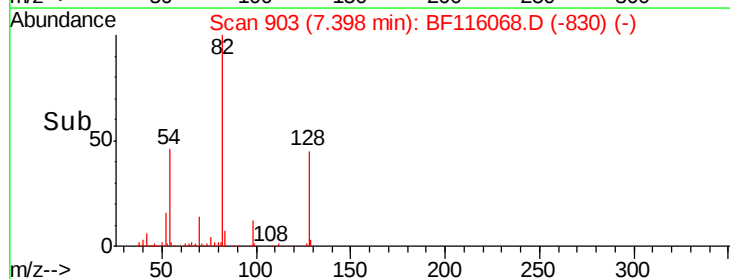
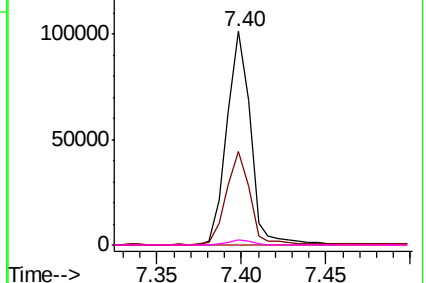


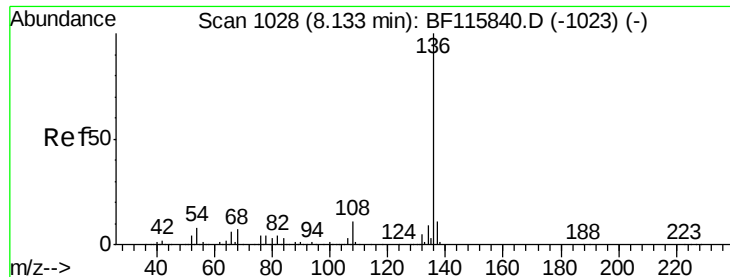
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116068.D

Acq: 8 Aug 2019 14:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 504573

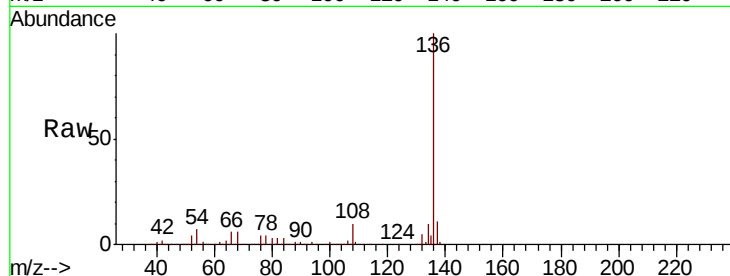
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.2 5.8 8.6

68 6.3 5.2 7.8

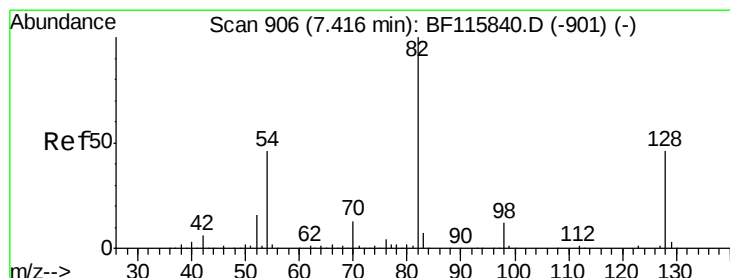
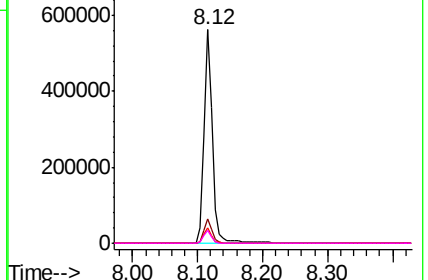
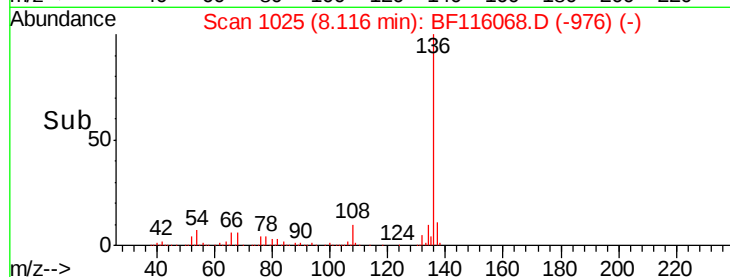


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.162 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116068.D

Acq: 8 Aug 2019 14:52

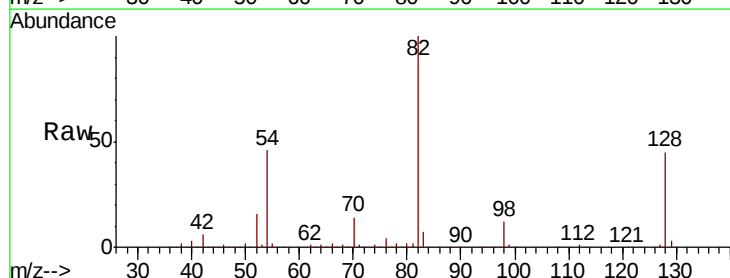
Tgt Ion: 82 Resp: 744426

Ion Ratio Lower Upper

82 100

128 44.8 36.5 54.7

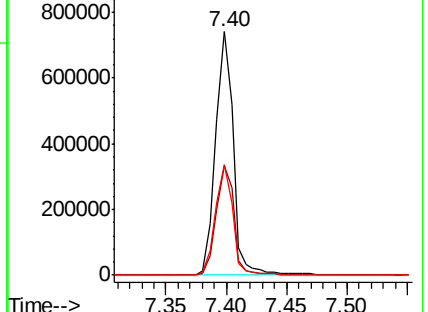
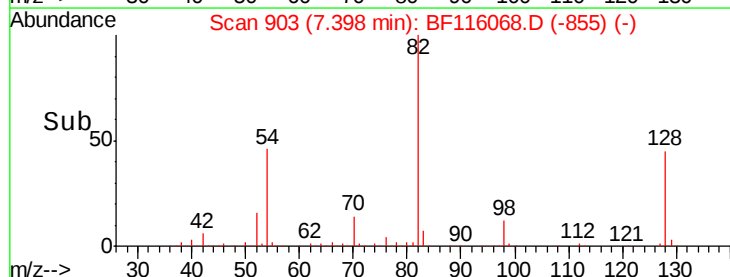
54 45.6 36.0 54.0

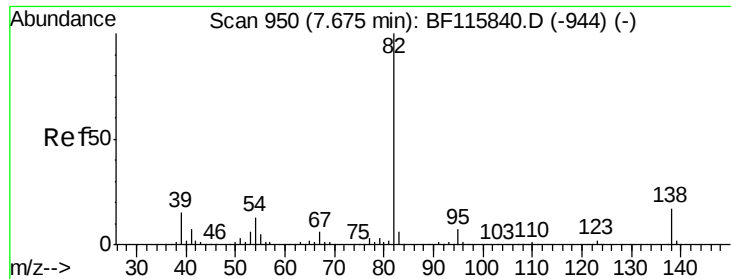


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.537 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116068.D

Acq: 8 Aug 2019 14:52

Instrument :

BNA_F

ClientSampleId :

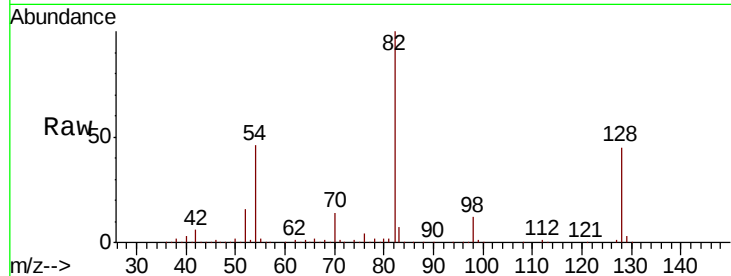
Tot Ion: 82 Resp: 744421

Ion Ratio Lower Upper

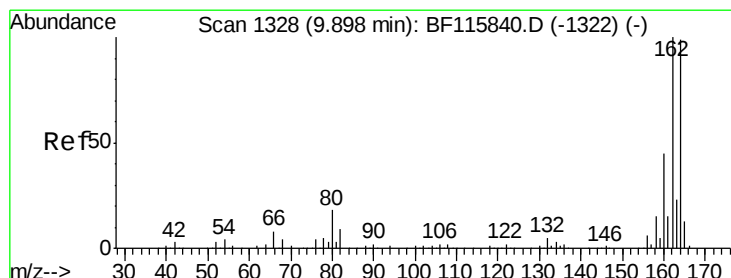
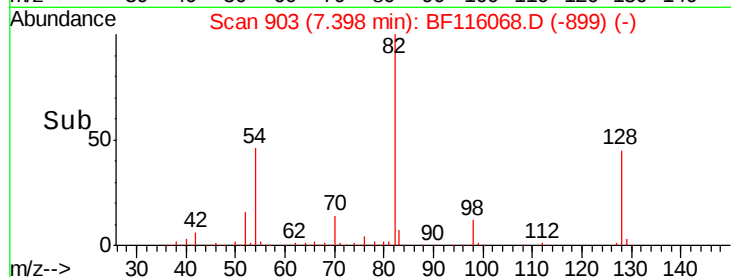
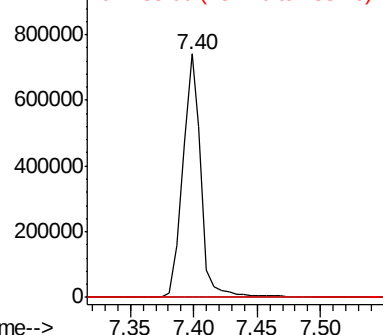
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116068.D

Acq: 8 Aug 2019 14:52

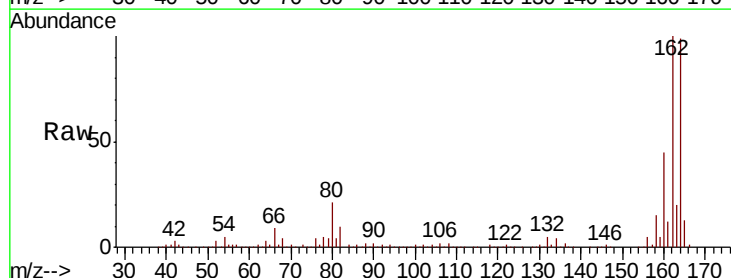
Tgt Ion:164 Resp: 278833

Ion Ratio Lower Upper

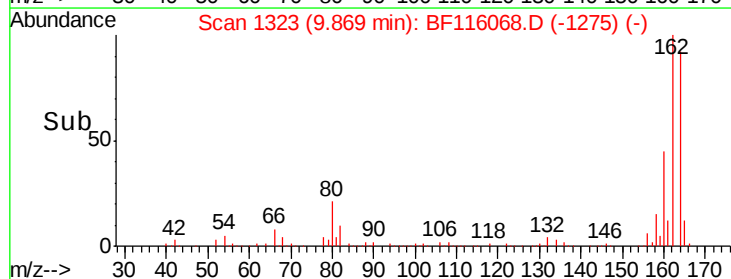
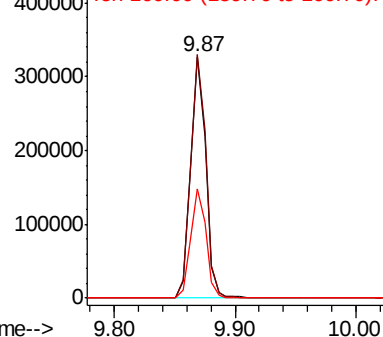
164 100

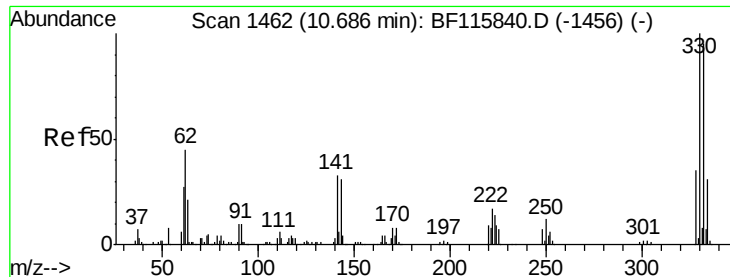
162 100.8 82.6 124.0

160 45.1 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

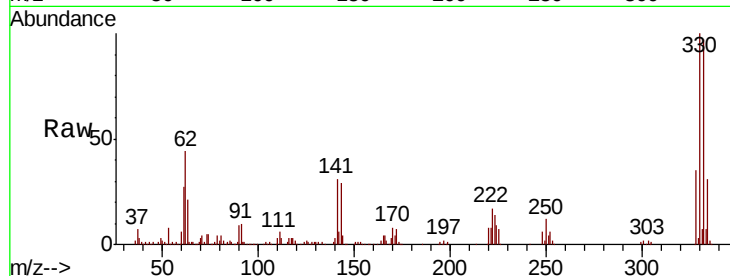




#42
 2,4,6-Tribromophenol
 Concen: 119.631 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116068.D
 Acq: 8 Aug 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.8	115.2
141	33.9	26.3	39.5

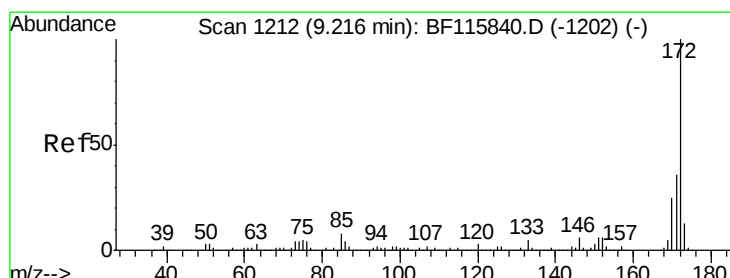
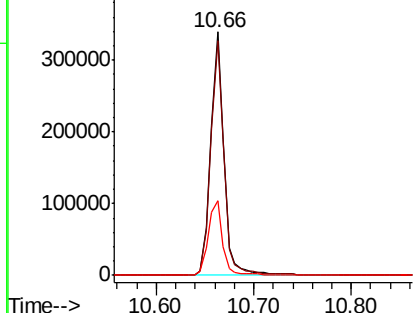
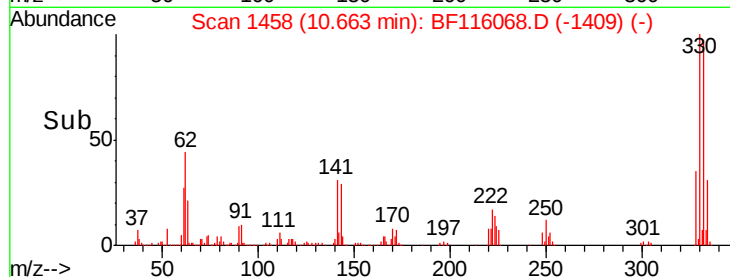


Abundance

Ion 329.80 (329.50 to 330.50): E

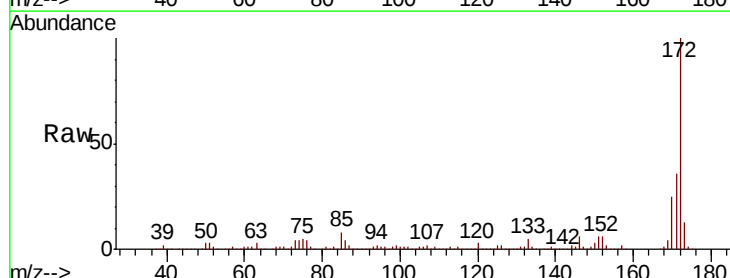
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 87.006 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116068.D
 Acq: 8 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.9	20.1	30.1

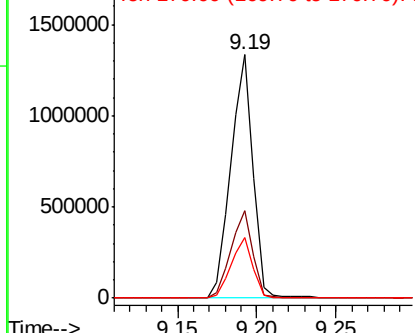
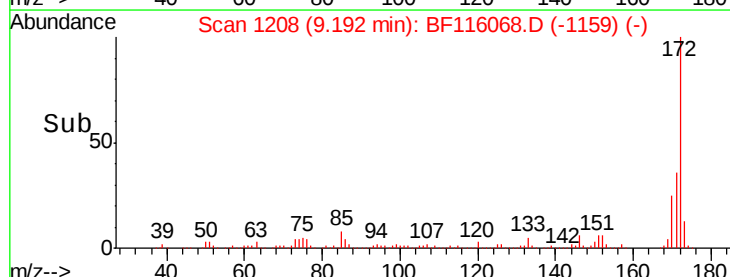


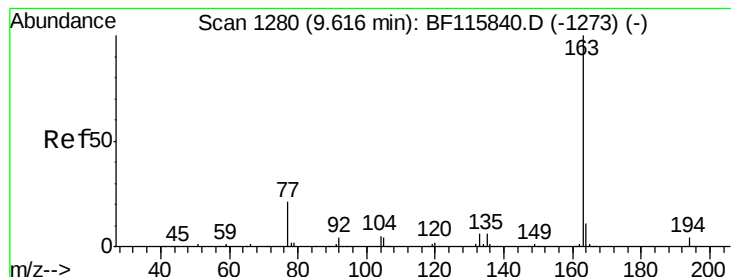
Abundance

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: 12.842 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116068.D

Acq: 8 Aug 2019 14:52

Instrument :

BNA_F

ClientSampleId :

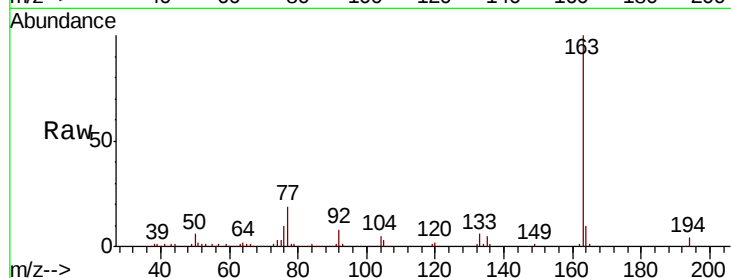
Tot Ion:163 Resp: 243805

Ion Ratio Lower Upper

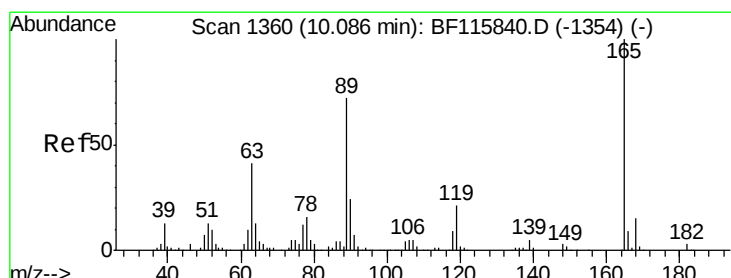
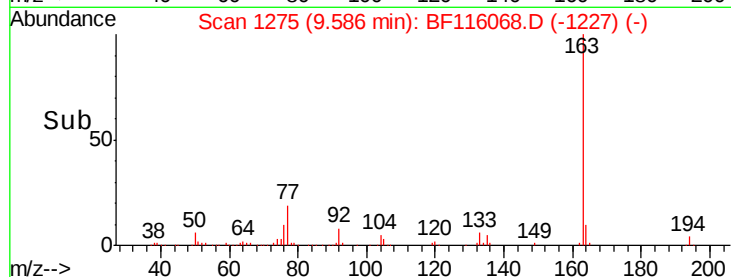
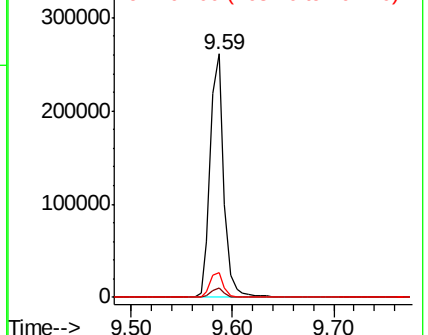
163 100

194 3.7 3.0 4.6

164 9.9 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



#57

2,4-Dinitrotoluene

Concen: 6.428 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF116068.D

Acq: 8 Aug 2019 14:52

Tgt Ion:165 Resp: 35311

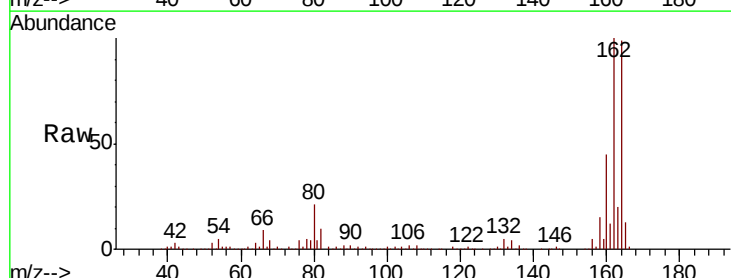
Ion Ratio Lower Upper

165 100

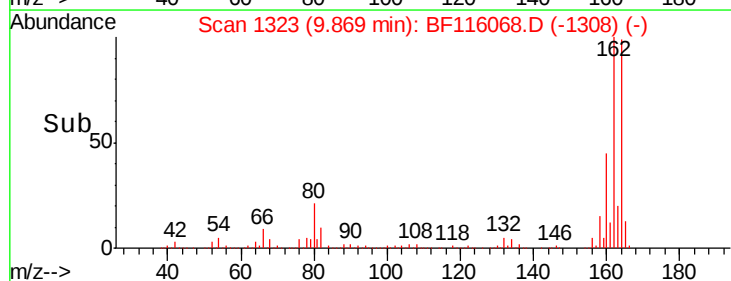
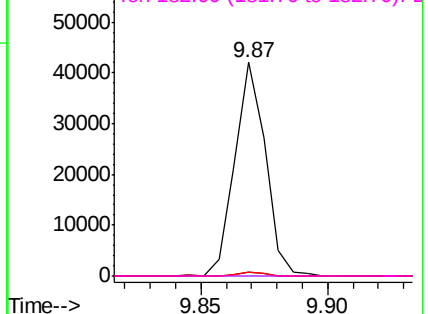
63 1.6 39.6 59.4#

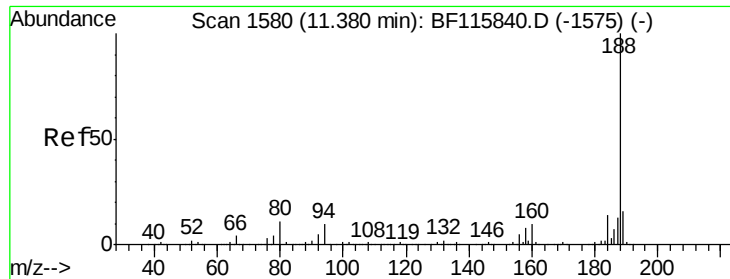
89 1.5 62.2 93.2#

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: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116068.D

Acq: 8 Aug 2019 14:52

Instrument :

BNA_F

ClientSampleId :

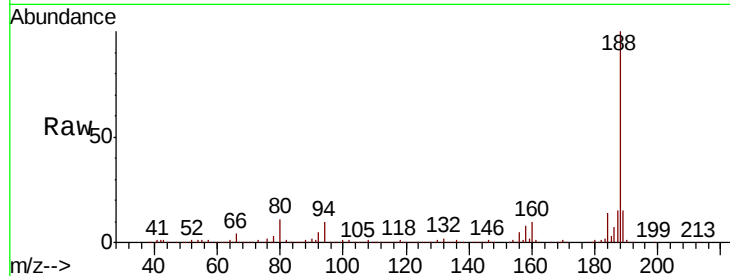
Tot Ion:188 Resp: 525157

Ion Ratio Lower Upper

188 100

94 9.5 8.1 12.1

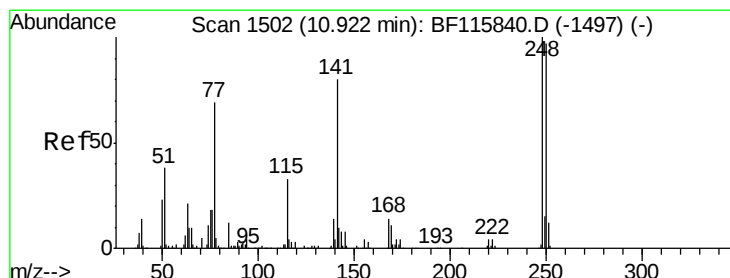
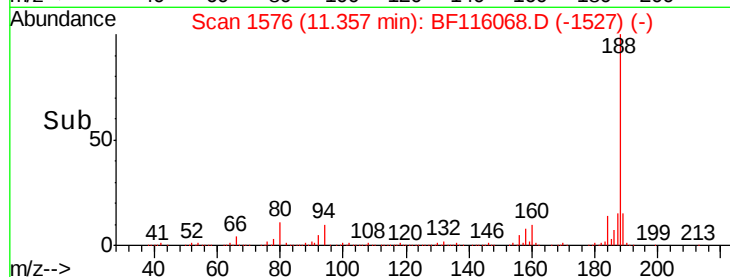
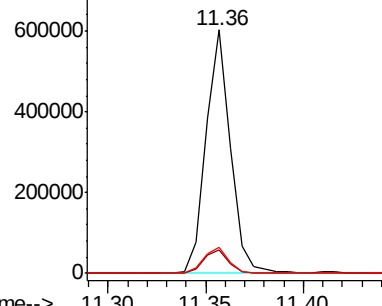
80 10.5 8.7 13.1



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: 3.571 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116068.D

Acq: 8 Aug 2019 14:52

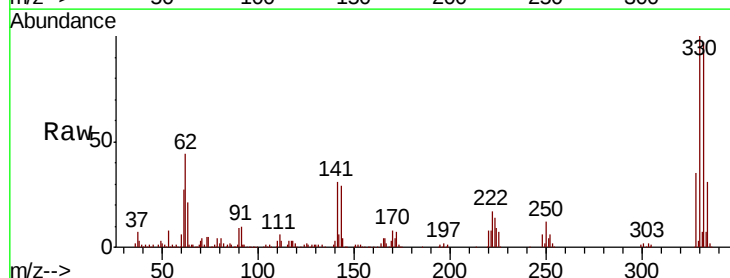
Tgt Ion:248 Resp: 20075

Ion Ratio Lower Upper

248 100

250 200.9 77.4 116.2#

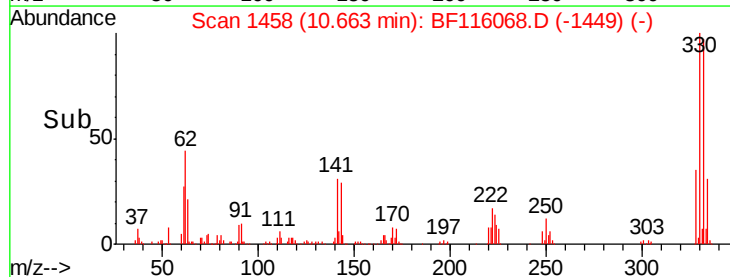
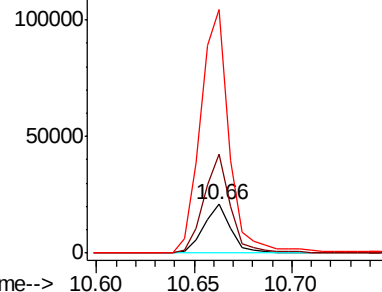
141 497.3 56.8 85.2#

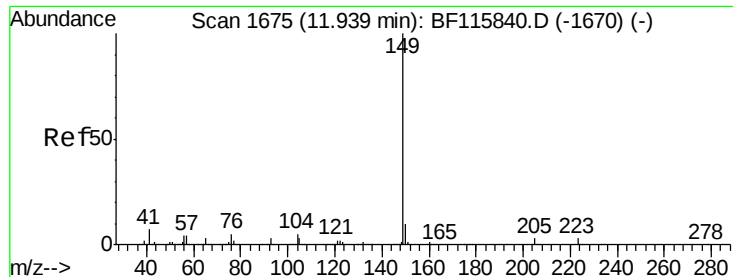


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

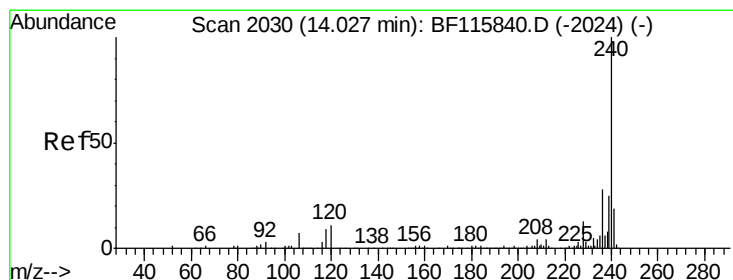
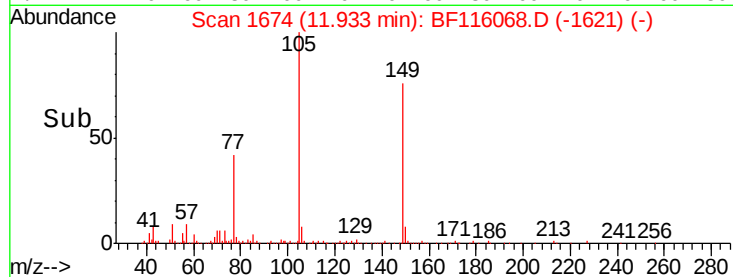
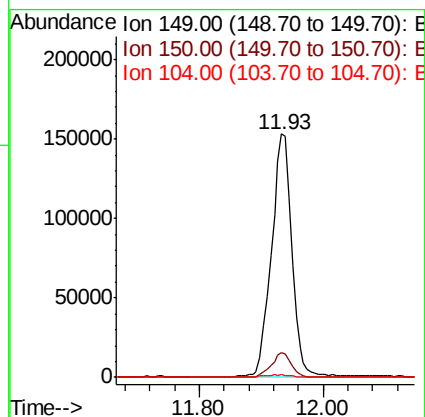
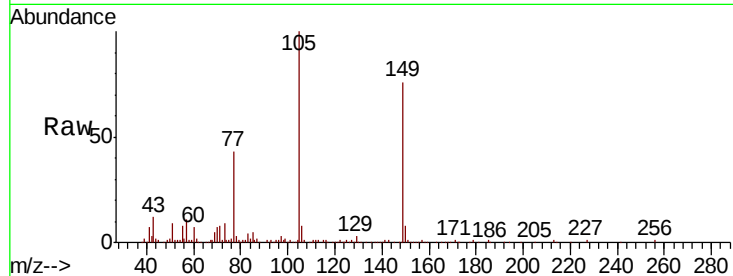




#74
Di-n-butylphthalate
Concen: 12.309 ng
RT: 11.93 min Scan# 1674
Delta R.T. 0.01 min
Lab File: BF116068.D
Acq: 8 Aug 2019 14:52

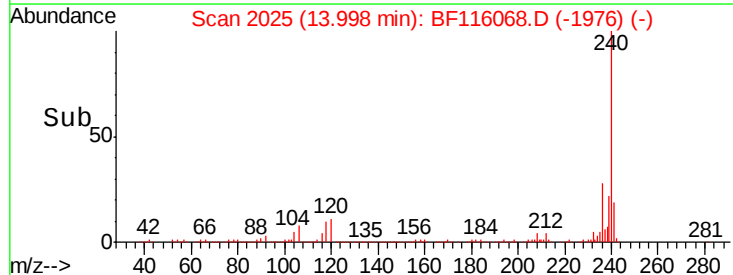
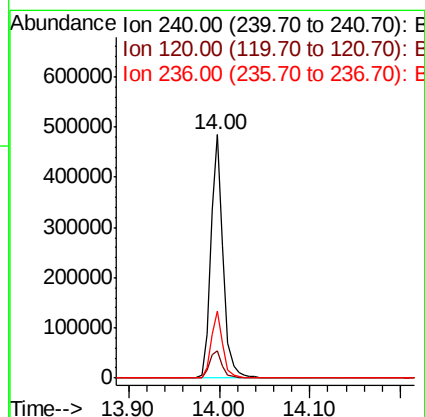
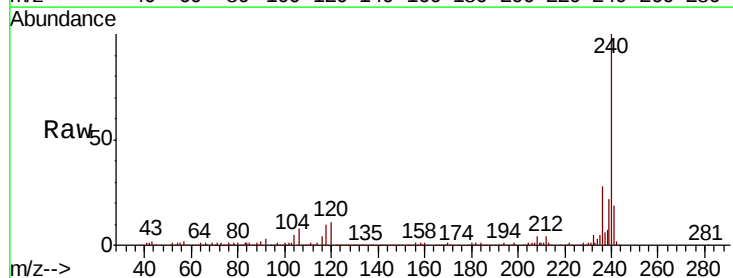
Instrument :
BNA_F
ClientSampleId :

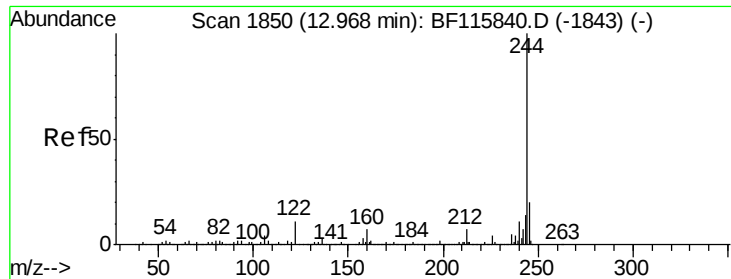
Tot Ion:149 Resp: 353966
Ion Ratio Lower Upper
149 100
150 10.0 8.0 12.0
104 1.0 4.5 6.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116068.D
Acq: 8 Aug 2019 14:52

Tgt Ion:240 Resp: 460806
Ion Ratio Lower Upper
240 100
120 11.2 10.7 16.1
236 27.7 22.2 33.2



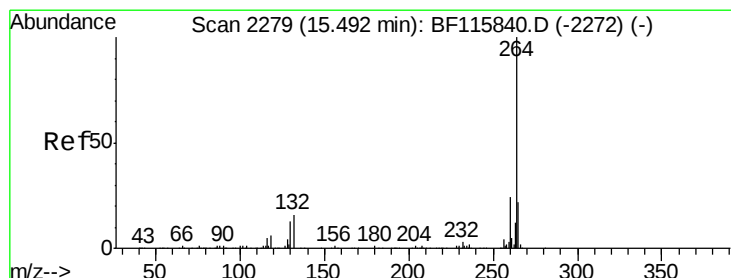
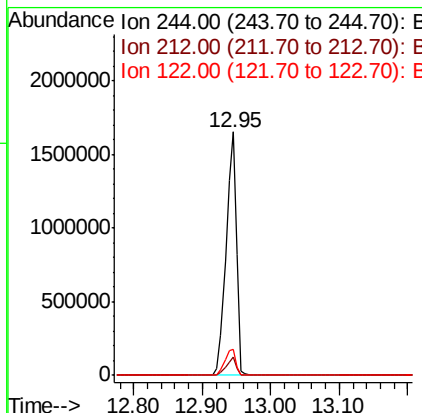
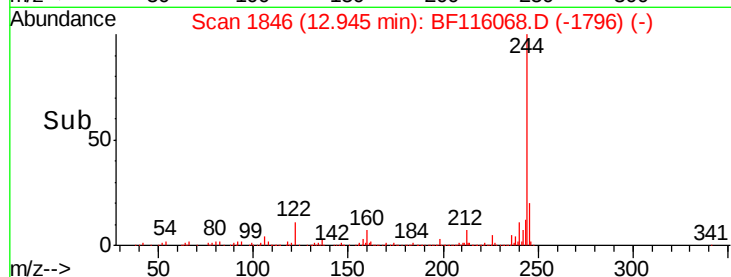
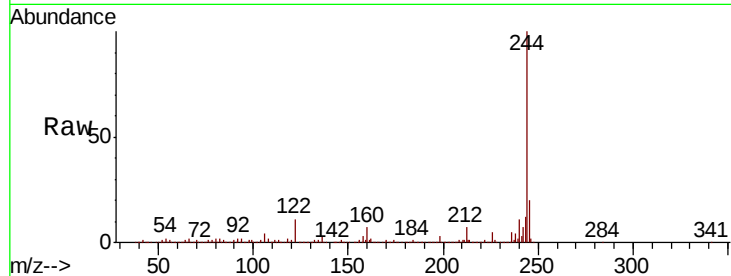


#79
 Terphenyl-d14
 Concen: 80.368 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116068.D
 Acq: 8 Aug 2019 14:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1757526

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	10.9	9.0	13.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF116068.D
 Acq: 8 Aug 2019 14:52

Tgt Ion:264 Resp: 407188

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.7	29.5
265	22.3	17.4	26.0

