

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081319\
 Data File : BF116249.D
 Acq On : 13 Aug 2019 23:56
 Operator : HP/JU
 Sample : K4319-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 14 01:48:53 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

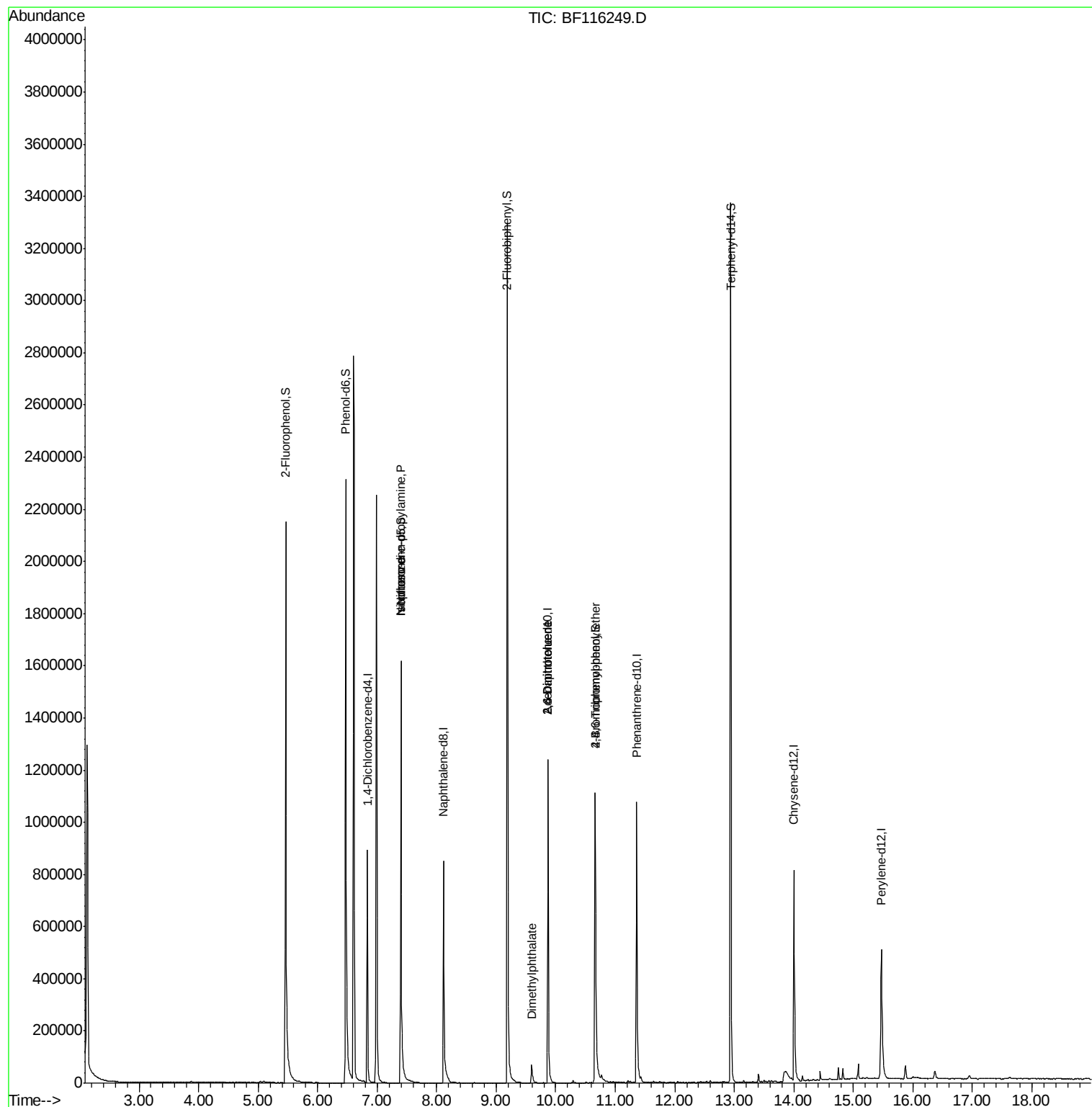
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	134848	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	534496	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	284905	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	507896	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	345350	20.00	ng	0.00
87) Perylene-d12	15.47	264	343016	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	785023	97.46	ng	0.00
7) Phenol-d6	6.47	99	1032985	101.64	ng	-0.01
23) Nitrobenzene-d5	7.40	82	659776	71.25	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	216587	78.41	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1169137	76.86	ng	-0.02
79) Terphenyl-d14	12.94	244	1268944	77.43	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	87184	13.844	ng	# 79
25) Isophorone	7.40	82	659773	37.263	ng	# 65
50) Dimethylphthalate	9.59	163	56690	2.922	ng	100
51) 2,6-Dinitrotoluene	9.87	165	35423	8.403	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	35423	6.311	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	12381	2.277	ng	# 1

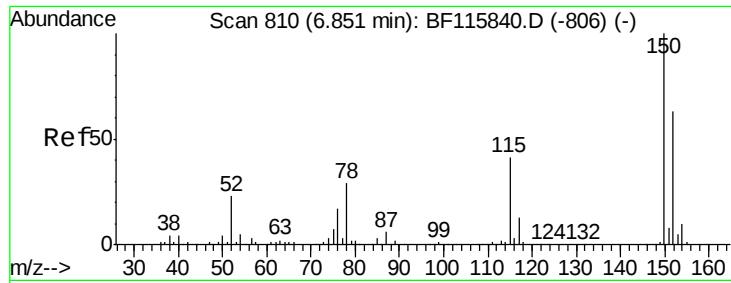
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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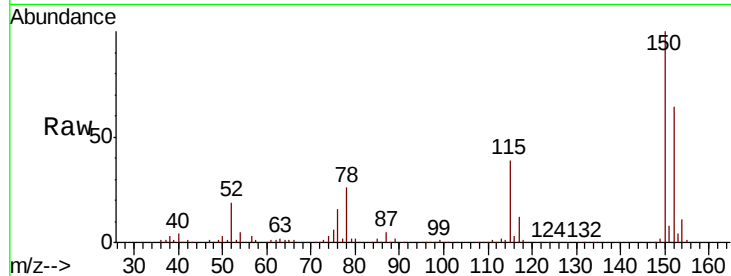




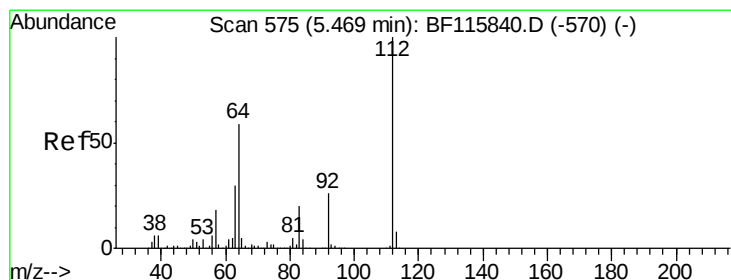
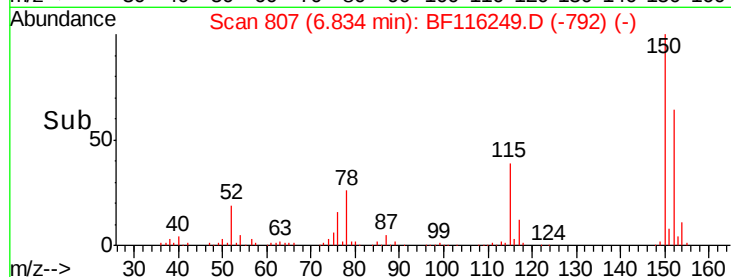
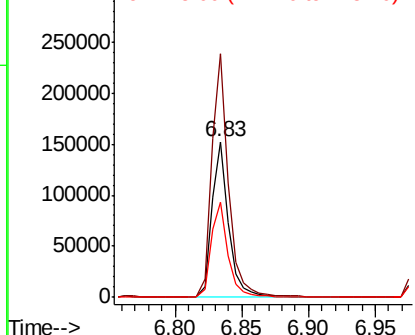
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF116249.D
 Acq: 13 Aug 2019 23:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 134848
 Ion Ratio Lower Upper
 152 100
 150 156.6 126.2 189.2
 115 61.1 49.9 74.9

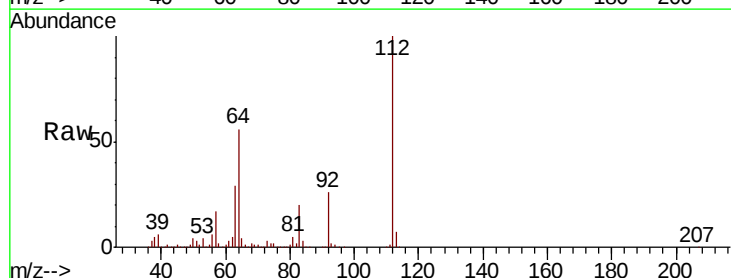


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

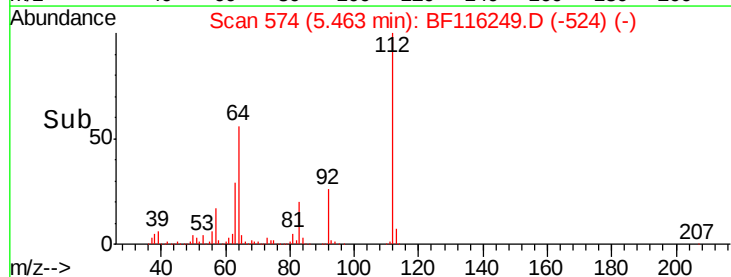
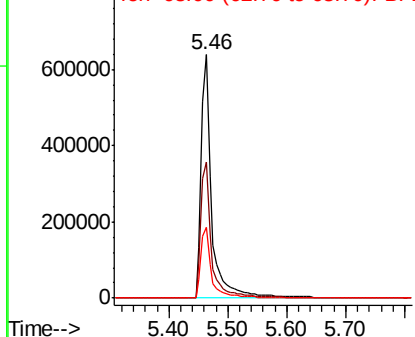


#5
 2-Fluorophenol
 Concen: 97.456 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF116249.D
 Acq: 13 Aug 2019 23:56

Tgt Ion:112 Resp: 785023
 Ion Ratio Lower Upper
 112 100
 64 56.1 45.4 68.2
 63 29.0 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: 101.642 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116249.D

Acq: 13 Aug 2019 23:56

Instrument :

BNA_F

ClientSampled :

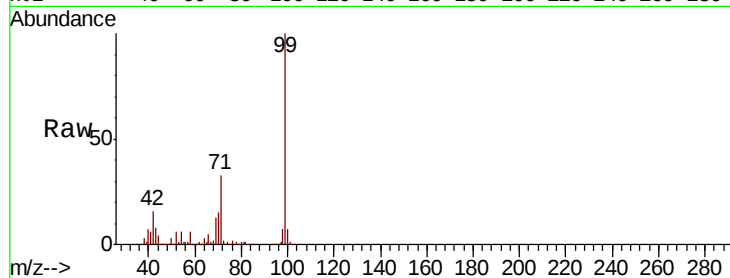
Tot Ion: 99 Resp: 1032985

Ion Ratio Lower Upper

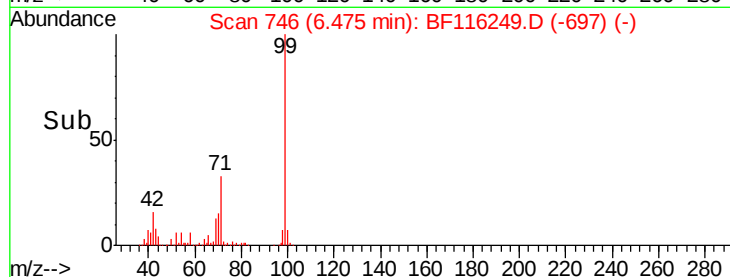
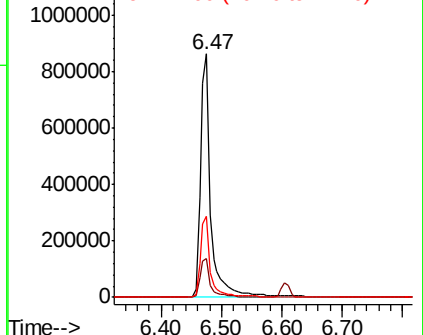
99 100

42 16.2 13.8 20.8

71 33.1 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: 13.844 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116249.D

Acq: 13 Aug 2019 23:56

Tgt Ion: 70 Resp: 87184

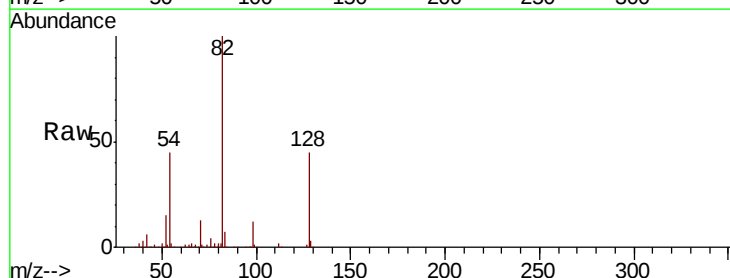
Ion Ratio Lower Upper

70 100

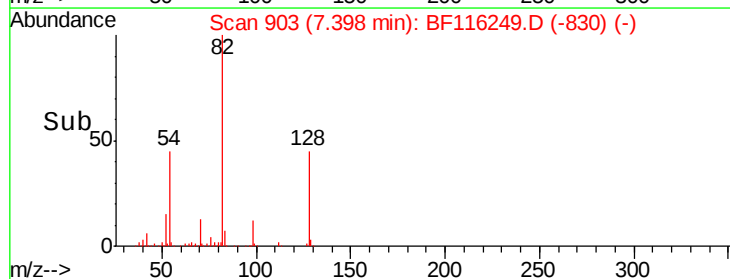
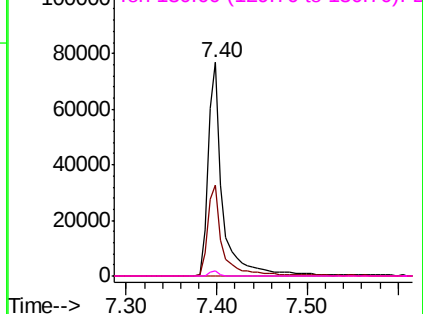
42 42.4 40.9 61.3

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: BF116249.D

Acq: 13 Aug 2019 23:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 534496

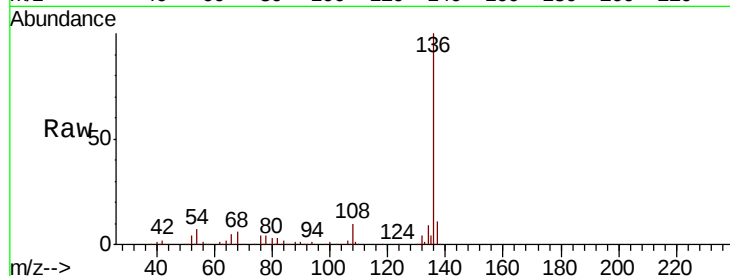
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.8 5.8 8.6

68 6.1 5.2 7.8

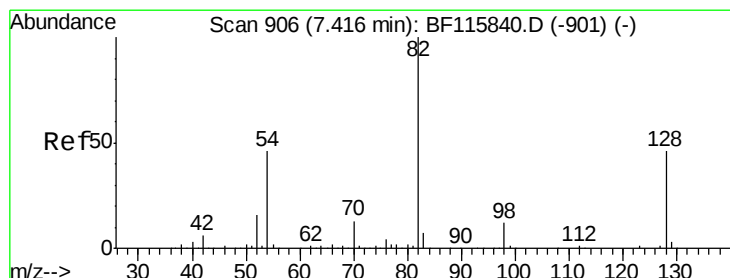
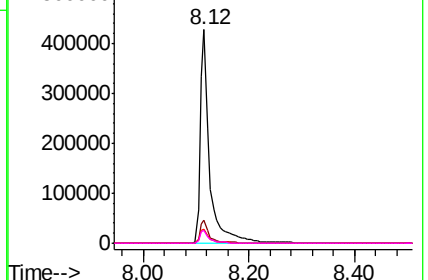
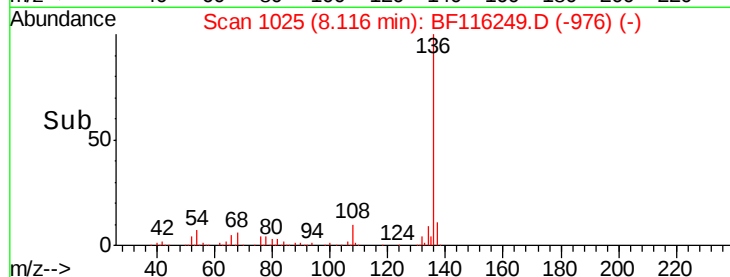


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.253 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116249.D

Acq: 13 Aug 2019 23:56

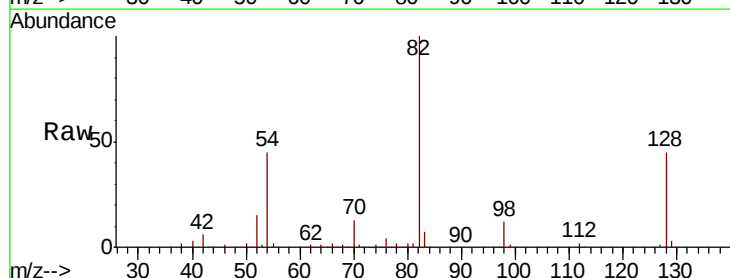
Tgt Ion: 82 Resp: 659776

Ion Ratio Lower Upper

82 100

128 45.1 36.5 54.7

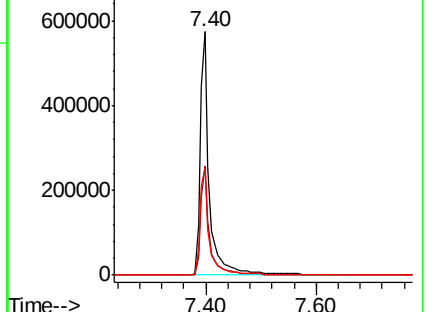
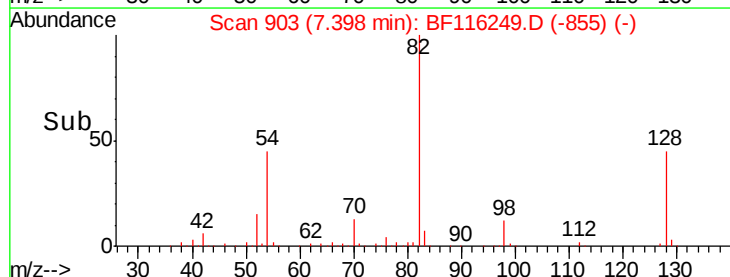
54 44.6 36.0 54.0



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: 37.263 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116249.D

Acq: 13 Aug 2019 23:56

Instrument :

BNA_F

ClientSampleId :

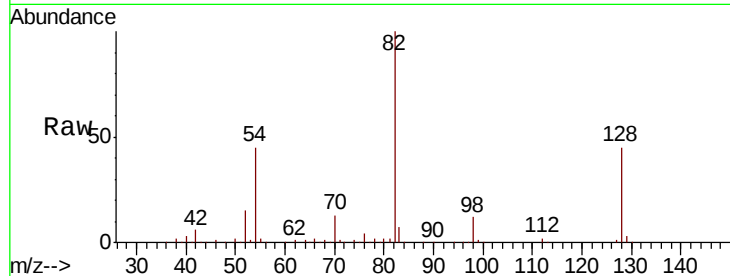
Tot Ion: 82 Resp: 659773

Ion Ratio Lower Upper

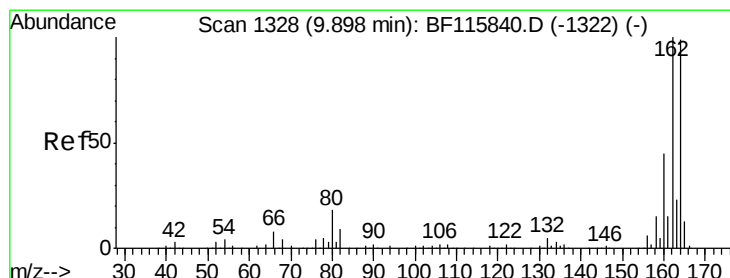
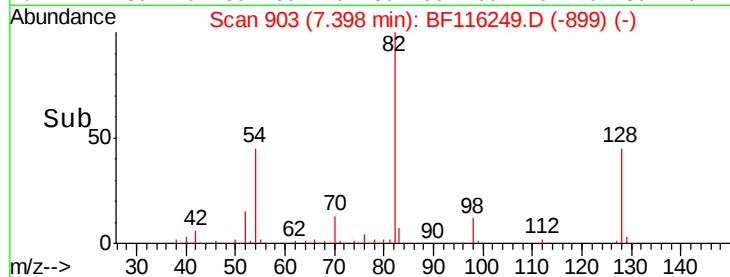
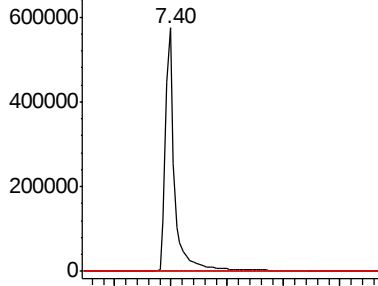
82 100

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: BF116249.D

Acq: 13 Aug 2019 23:56

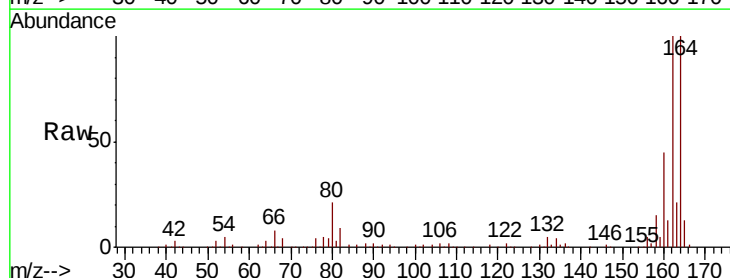
Tgt Ion: 164 Resp: 284905

Ion Ratio Lower Upper

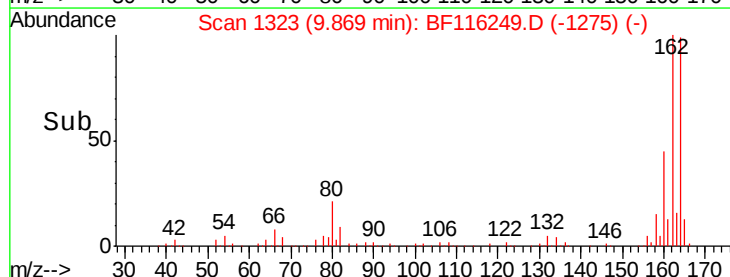
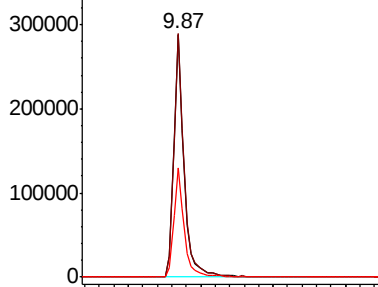
164 100

162 100.5 82.6 124.0

160 44.9 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

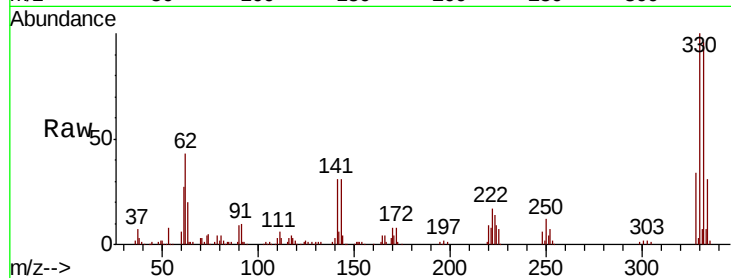




#42
 2,4,6-Tribromophenol
 Concen: 78.410 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116249.D
 Acq: 13 Aug 2019 23:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.8	115.2
141	33.3	26.3	39.5

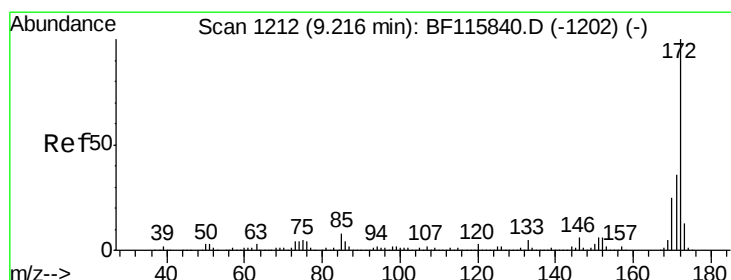
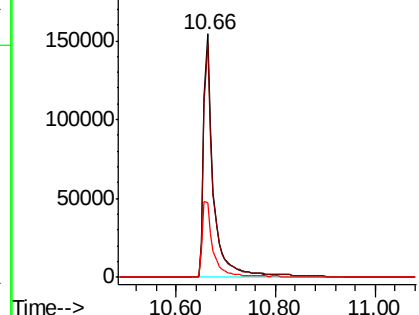
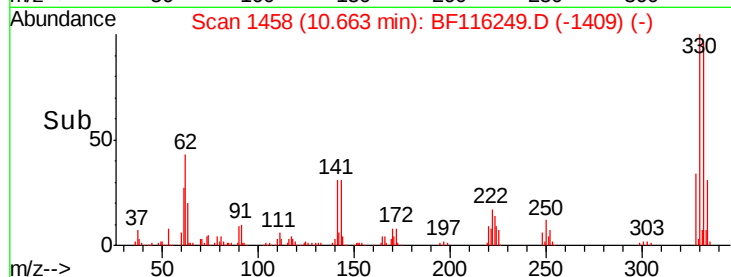


Abundance

Ion 329.80 (329.50 to 330.50): E

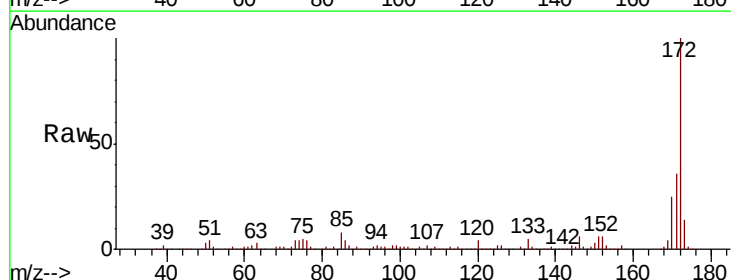
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 76.864 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF116249.D
 Acq: 13 Aug 2019 23:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	25.0	20.1	30.1

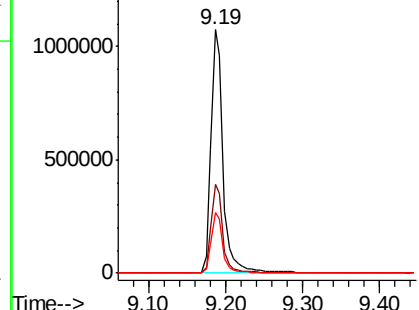
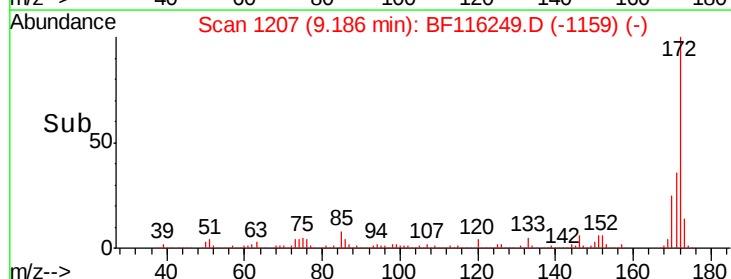


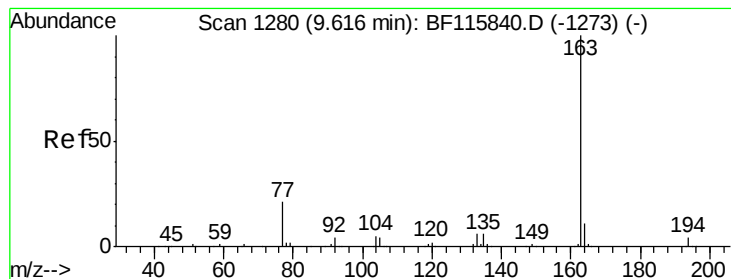
Abundance

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: 2.922 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF116249.D

Acq: 13 Aug 2019 23:56

Instrument :

BNA_F

ClientSampleId :

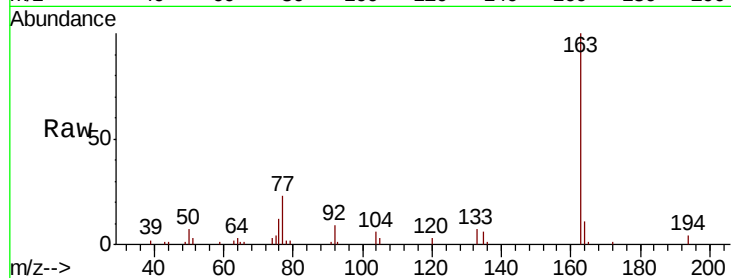
Tot Ion:163 Resp: 56690

Ion Ratio Lower Upper

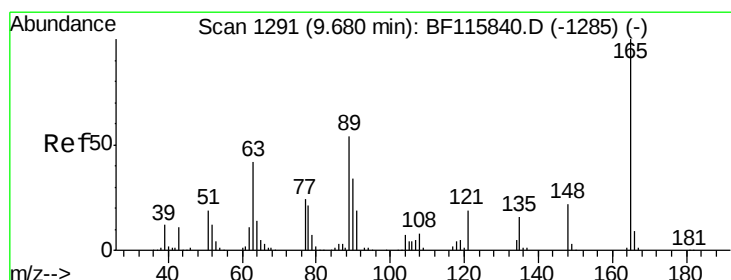
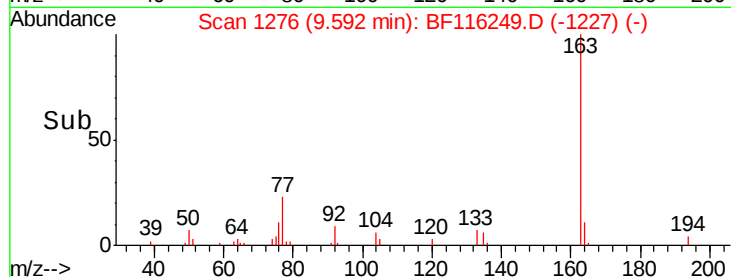
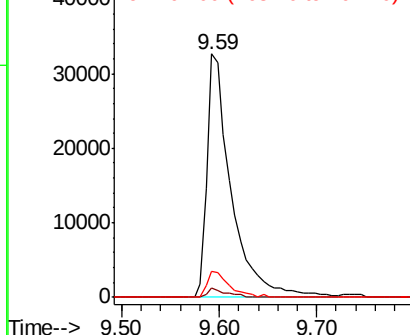
163 100

194 3.9 3.0 4.6

164 10.7 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: 8.403 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.19 min

Lab File: BF116249.D

Acq: 13 Aug 2019 23:56

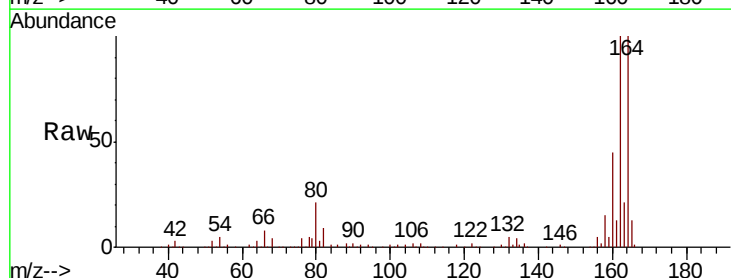
Tgt Ion:165 Resp: 35423

Ion Ratio Lower Upper

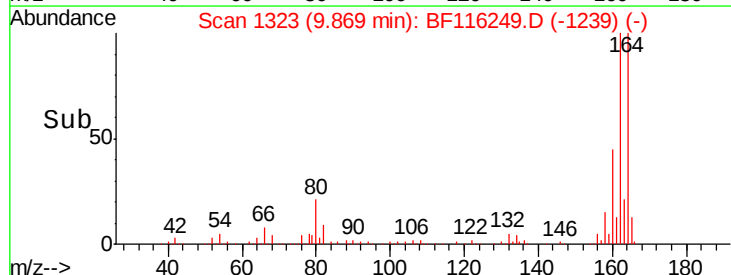
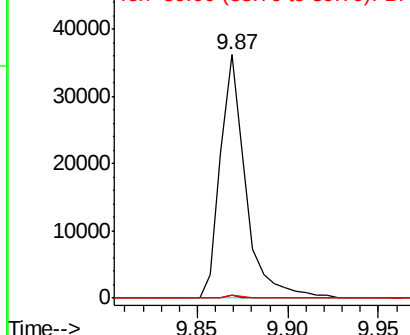
165 100

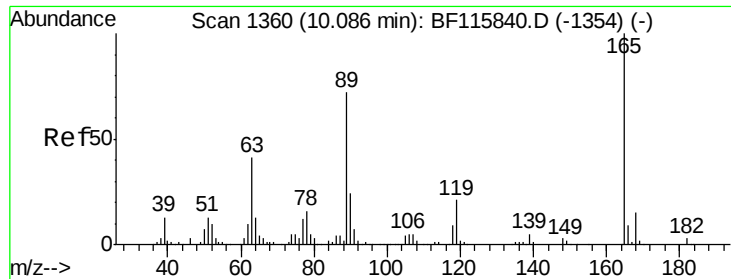
63 1.3 38.2 57.2#

89 1.4 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

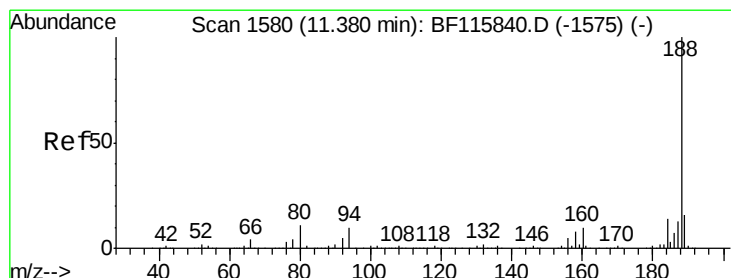
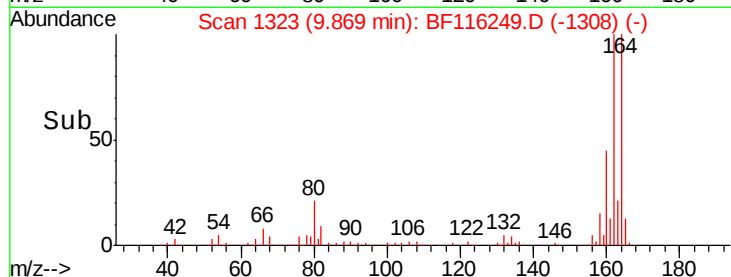
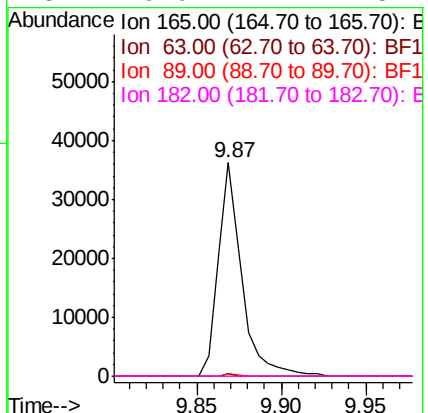
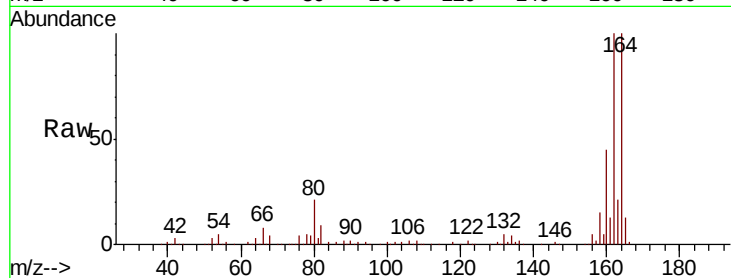




#57
 2,4-Dinitrotoluene
 Concen: 6.311 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116249.D
 Acq: 13 Aug 2019 23:56

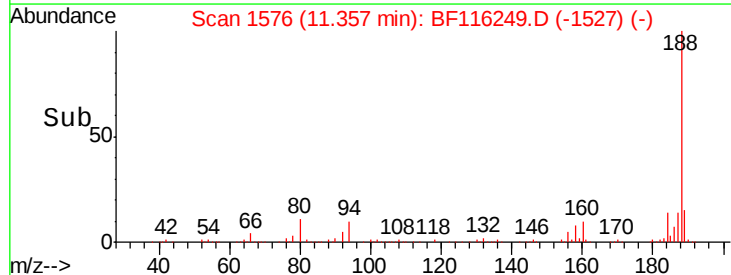
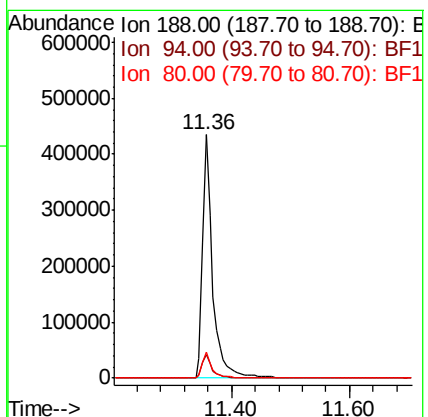
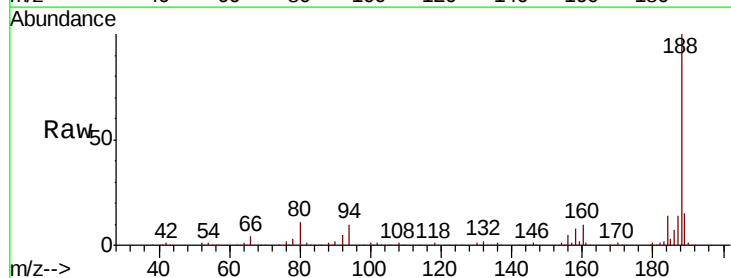
Instrument :
 BNA_F
 ClientSampleId :

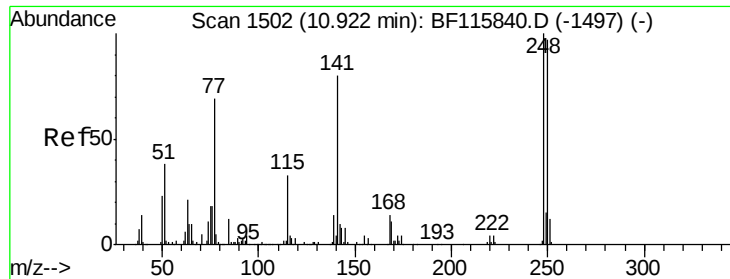
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	39.6	59.4#
89	1.4	62.2	93.2#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116249.D
 Acq: 13 Aug 2019 23:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.1	12.1
80	10.5	8.7	13.1

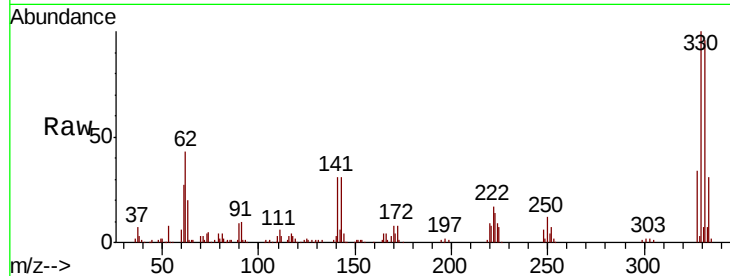




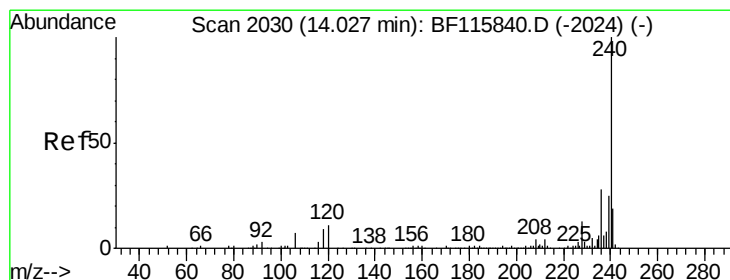
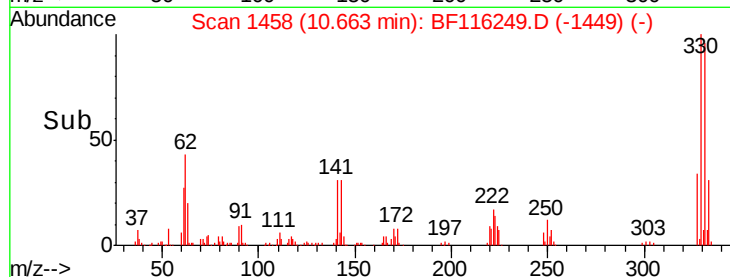
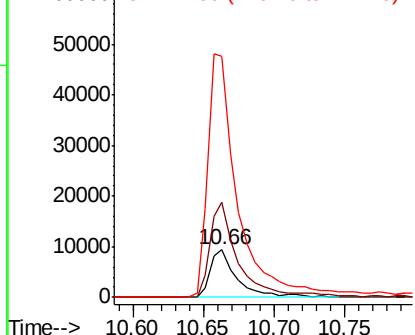
#67
4-Bromophenyl-phenylether
Concen: 2.277 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116249.D
Acq: 13 Aug 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12381
Ion Ratio Lower Upper
248 100
250 199.0 77.4 116.2#
141 505.3 56.8 85.2#

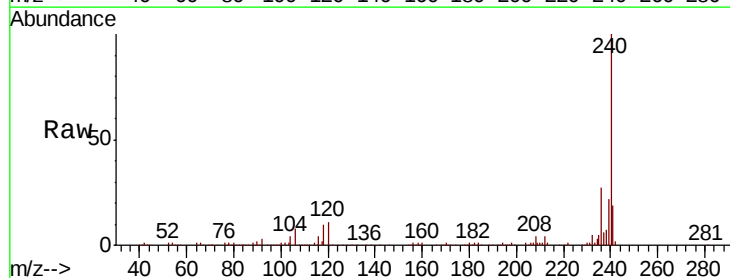


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

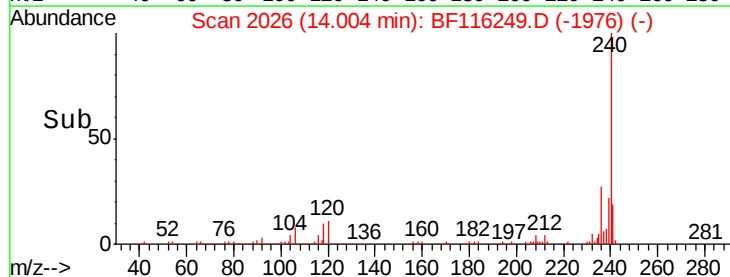
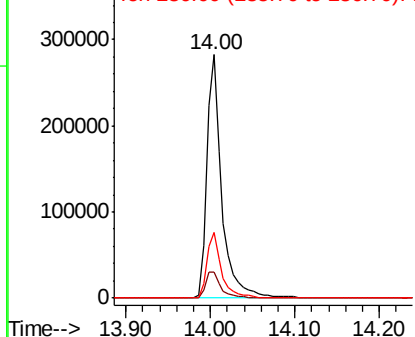


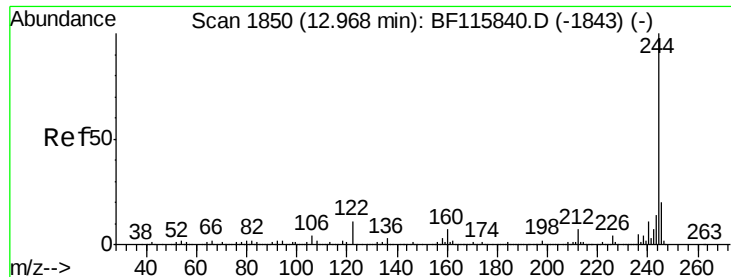
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116249.D
Acq: 13 Aug 2019 23:56

Tgt Ion:240 Resp: 345350
Ion Ratio Lower Upper
240 100
120 10.9 10.7 16.1
236 26.7 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: 77.425 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116249.D

Acq: 13 Aug 2019 23:56

Instrument :

BNA_F

ClientSampleId :

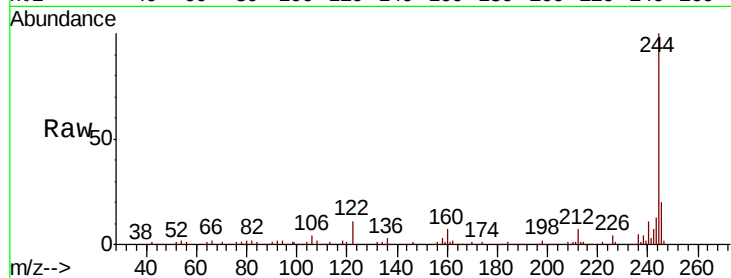
Tot Ion:244 Resp: 1268944

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

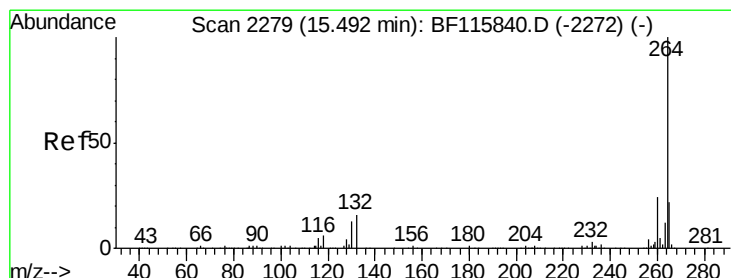
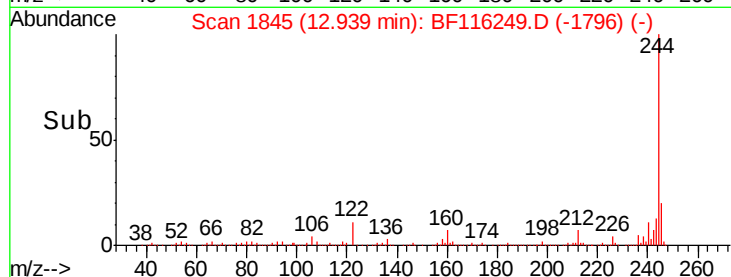
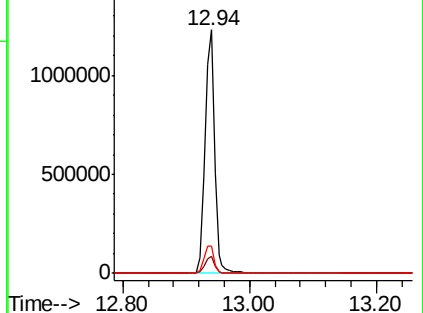
122 11.2 9.0 13.4



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: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116249.D

Acq: 13 Aug 2019 23:56

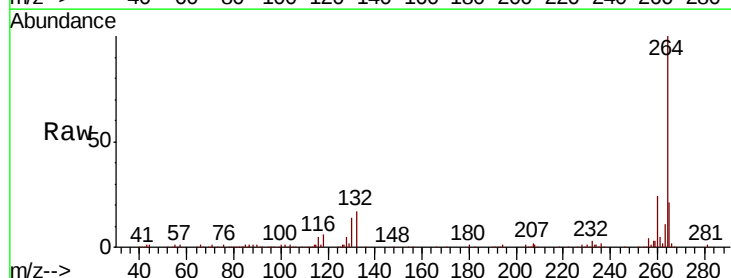
Tgt Ion:264 Resp: 343016

Ion Ratio Lower Upper

264 100

260 23.9 19.7 29.5

265 21.1 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

