

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
 Data File : BF116199.D
 Acq On : 12 Aug 2019 20:04
 Operator : HP/JU
 Sample : K4085-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-080919-A

Quant Time: Aug 13 01:06:46 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

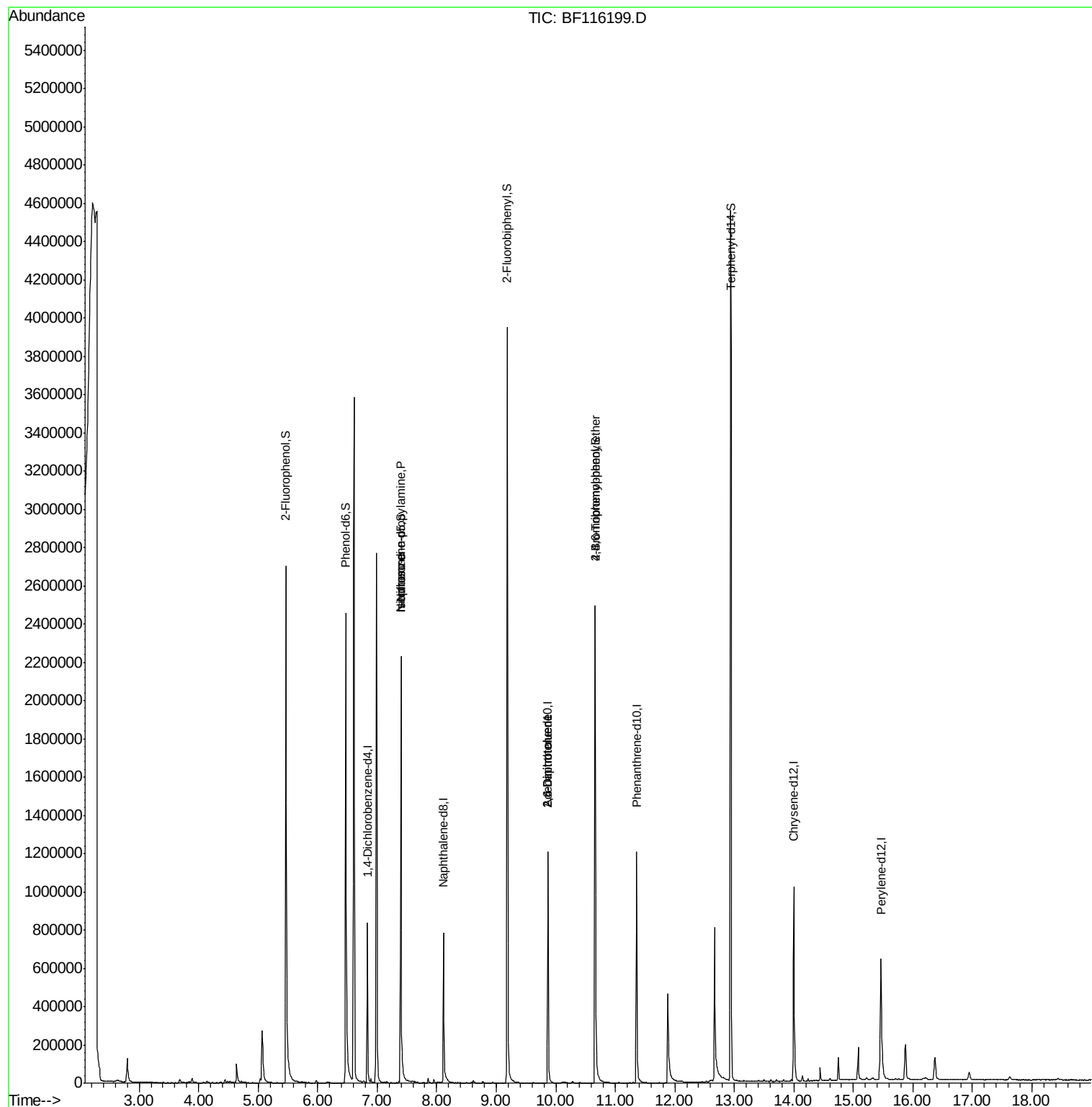
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	120670	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	468917	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	257108	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	497919	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	407816	20.00	ng	-0.01
87) Perylene-d12	15.46	264	360370	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	896774	124.41	ng	0.00
7) Phenol-d6	6.47	99	1057660	116.30	ng	-0.01
23) Nitrobenzene-d5	7.40	82	823518	101.37	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	392472	157.45	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1431860	104.31	ng	-0.02
79) Terphenyl-d14	12.94	244	1834710	94.80	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	109311	19.396	ng	# 78
25) Isophorone	7.40	82	824765	53.096	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	32594	8.567	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	32594	6.435	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	23922	4.488	ng	# 1

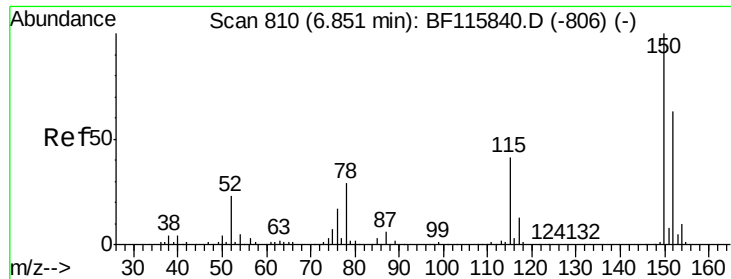
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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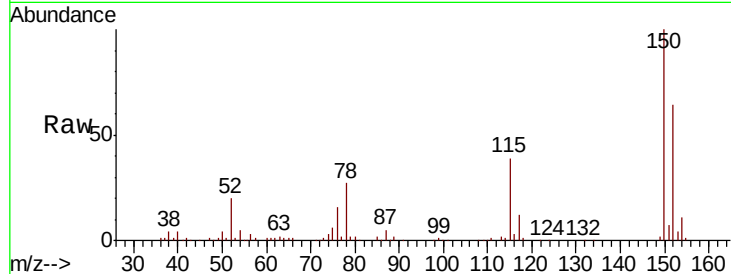


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF116199.D
 Acq: 12 Aug 2019 20:04

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-080919-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.2	189.2
115	61.1	49.9	74.9

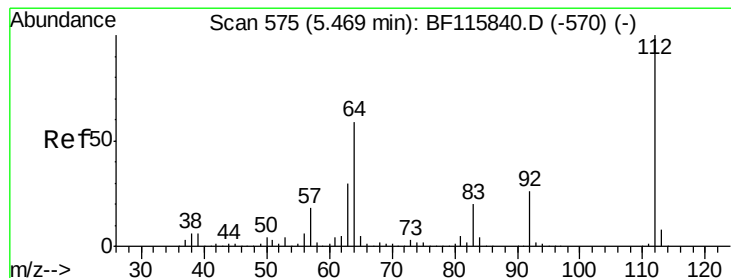
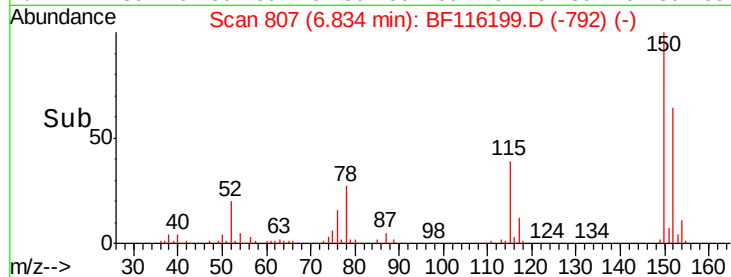
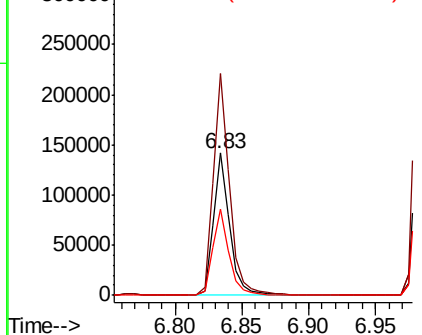


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

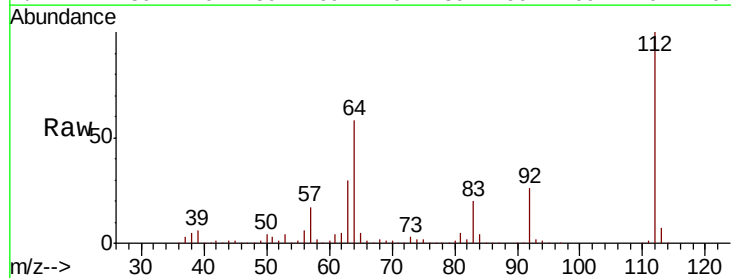
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 124.410 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: BF116199.D
 Acq: 12 Aug 2019 20:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	45.4	68.2
63	29.6	23.7	35.5

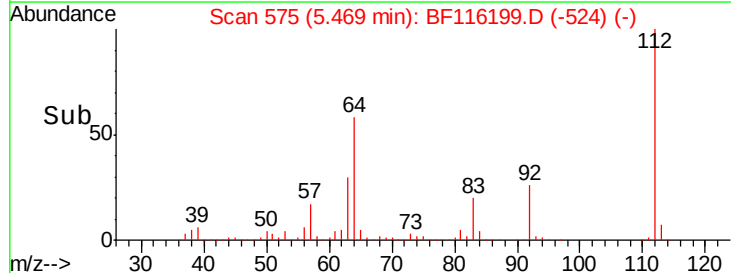
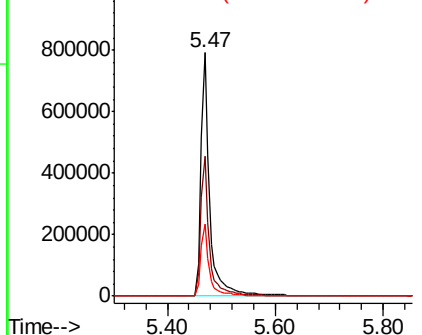


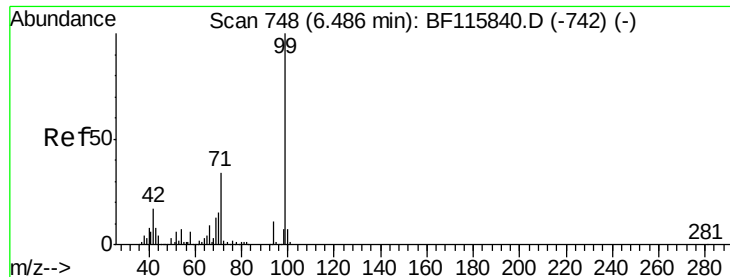
Abundance

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: 116.297 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116199.D

Acq: 12 Aug 2019 20:04

Instrument :

BNA_F

ClientSampleId :

HR-05-080919-A

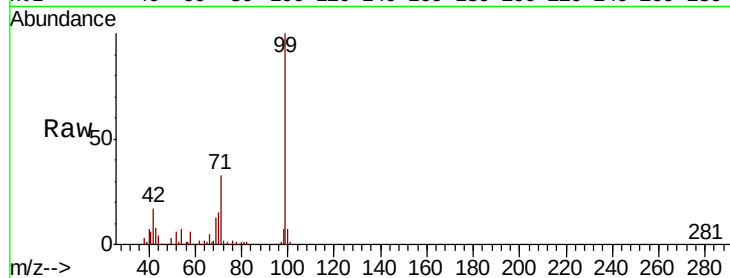
Tot Ion: 99 Resp: 1057660

Ion Ratio Lower Upper

99 100

42 16.6 13.8 20.8

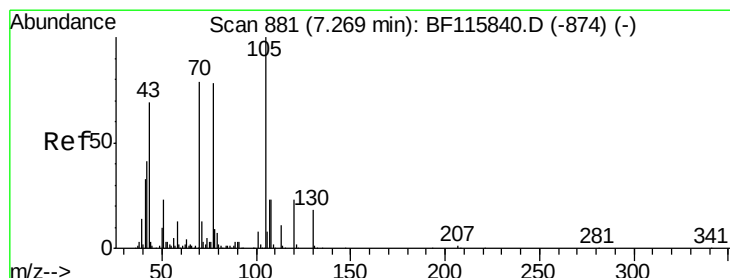
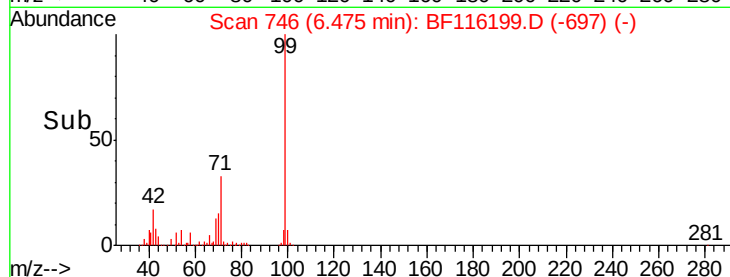
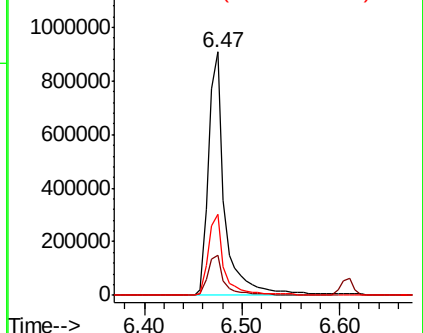
71 33.4 27.3 40.9



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: 19.396 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116199.D

Acq: 12 Aug 2019 20:04

Tgt Ion: 70 Resp: 109311

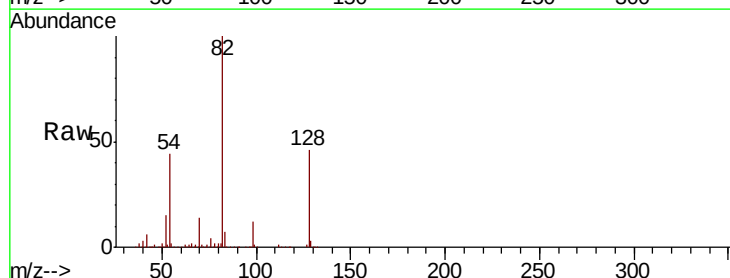
Ion Ratio Lower Upper

70 100

42 41.6 40.9 61.3

101 0.0 7.9 11.9#

130 2.1 16.9 25.3#

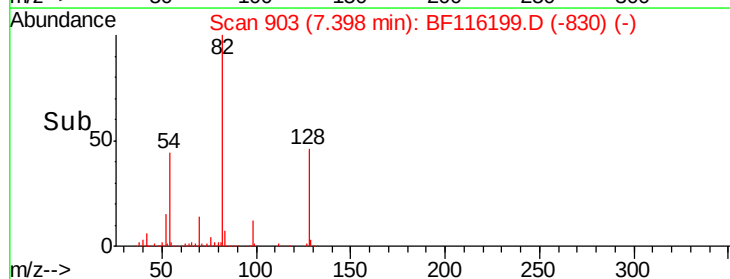
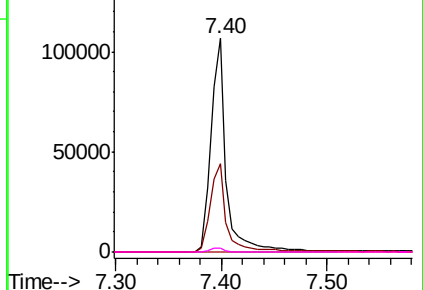


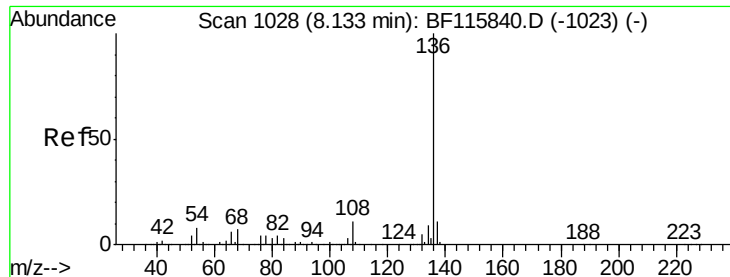
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

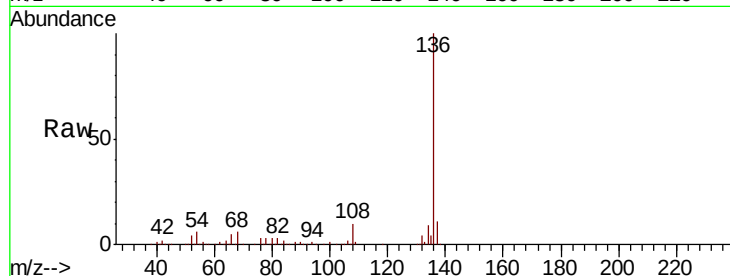




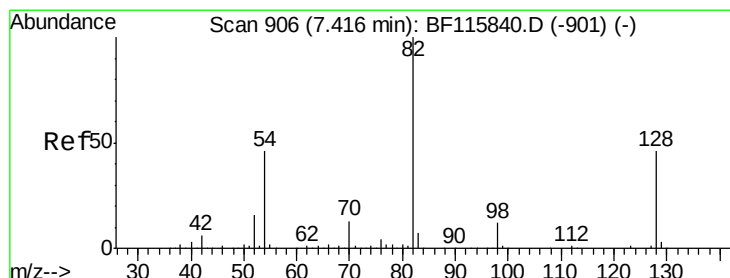
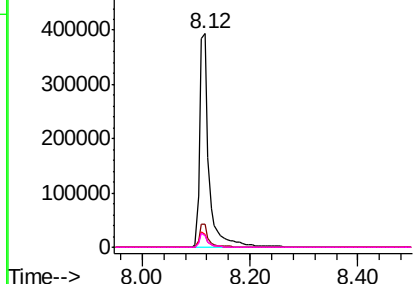
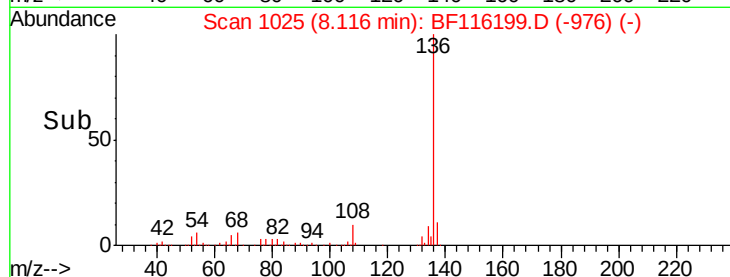
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116199.D
Acq: 12 Aug 2019 20:04

Instrument :
BNA_F
ClientSampleId :
HR-05-080919-A

Tot Ion:136	Resp:	468917
Ion Ratio	Lower	Upper
136 100		
137 10.6	9.0	13.4
54 6.3	5.8	8.6
68 5.6	5.2	7.8

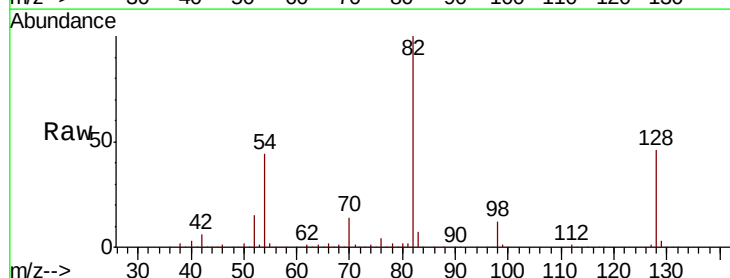


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

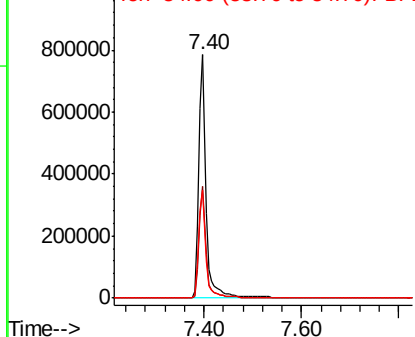
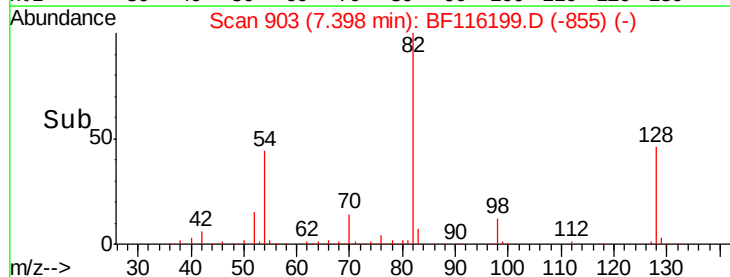


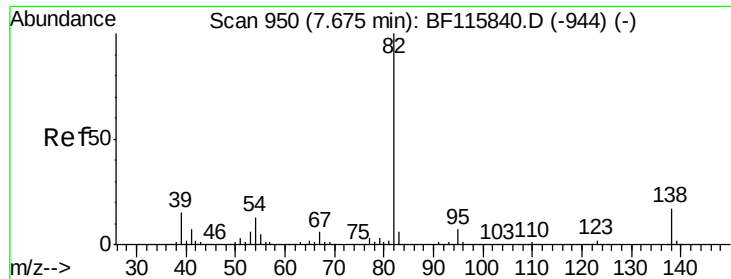
#23
Nitrobenzene-d5
Concen: 101.374 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116199.D
Acq: 12 Aug 2019 20:04

Tgt	Ion: 82	Resp:	823518
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.5	54.7
54	44.1	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: 53.096 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116199.D

Acq: 12 Aug 2019 20:04

Instrument :

BNA_F

ClientSampleId :

HR-05-080919-A

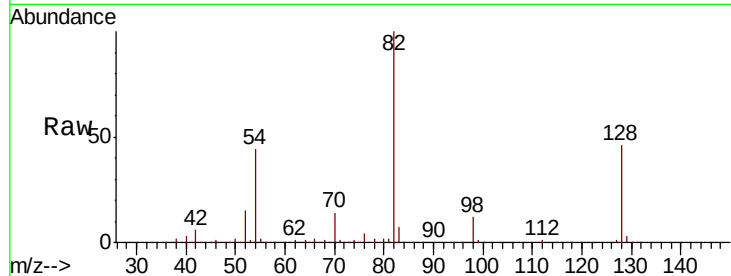
Tot Ion: 82 Resp: 824765

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

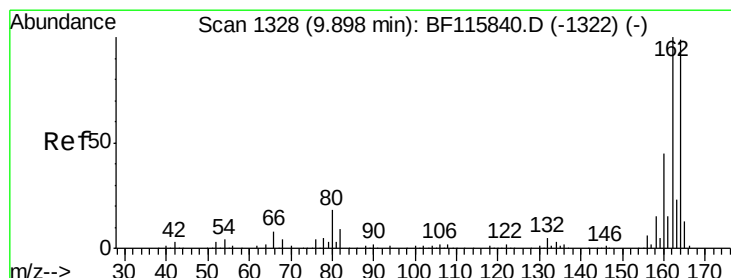
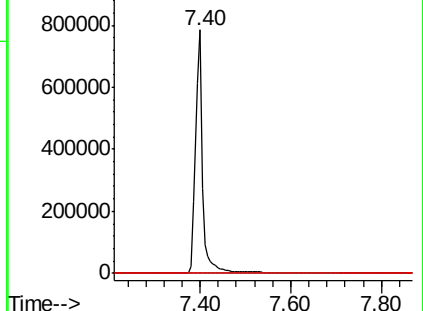
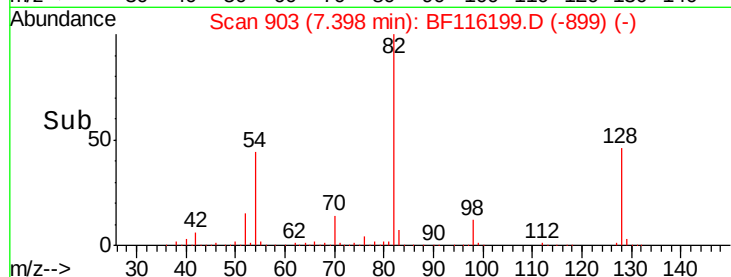
138 0.0 14.5 21.7#



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116199.D

Acq: 12 Aug 2019 20:04

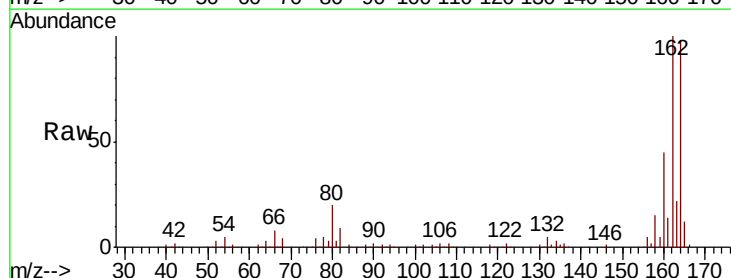
Tgt Ion: 164 Resp: 257108

Ion Ratio Lower Upper

164 100

162 102.0 82.6 124.0

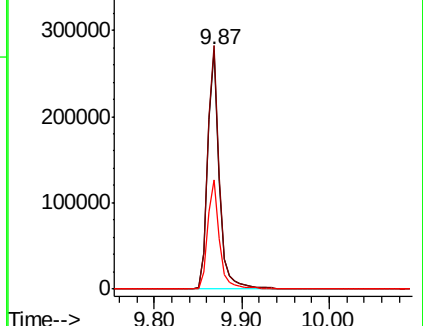
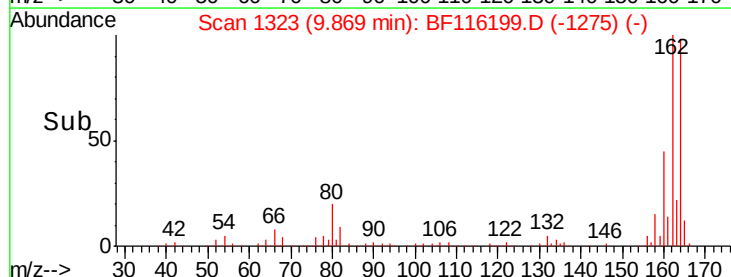
160 45.6 37.6 56.4

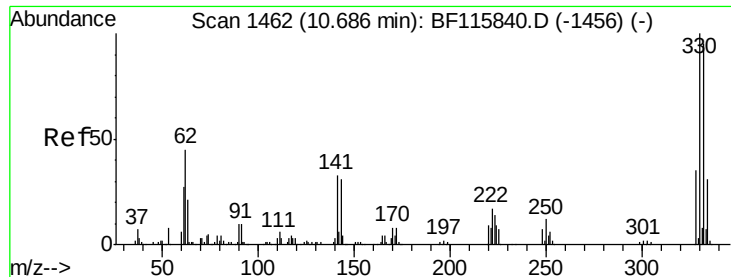


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

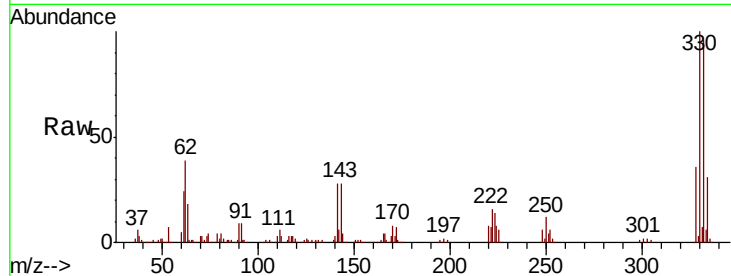




#42
 2,4,6-Tribromophenol
 Concen: 157.446 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116199.D
 Acq: 12 Aug 2019 20:04

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-080919-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.8	115.2
141	32.7	26.3	39.5

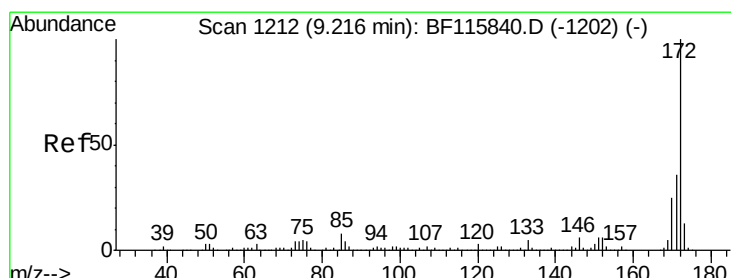
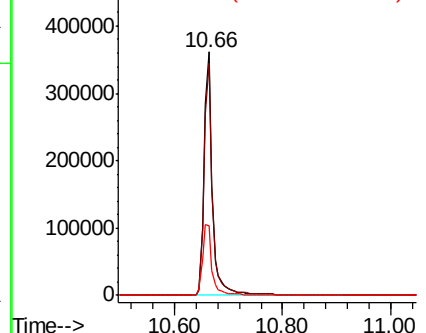
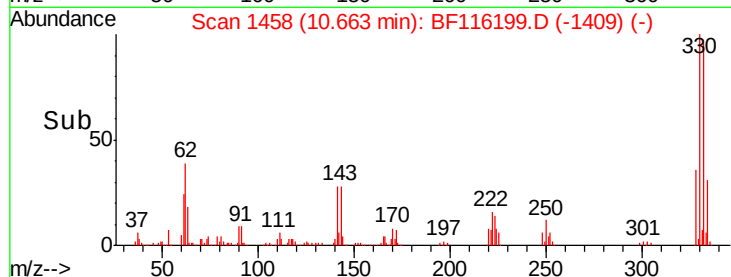


Abundance

Ion 329.80 (329.50 to 330.50): E

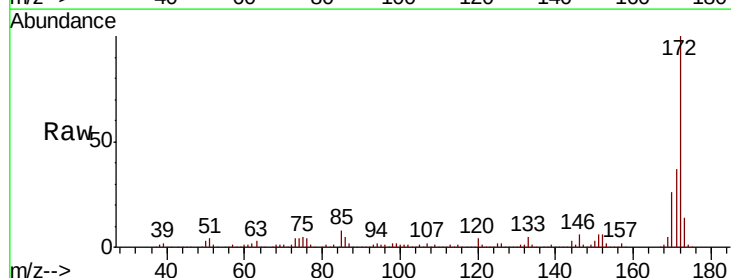
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 104.313 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF116199.D
 Acq: 12 Aug 2019 20:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.6	44.4
170	25.6	20.1	30.1

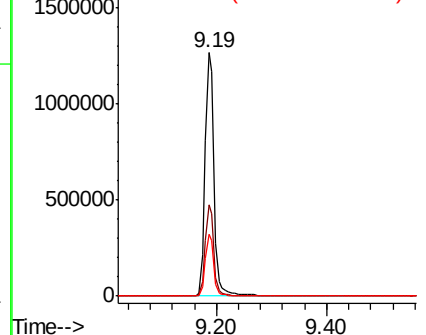
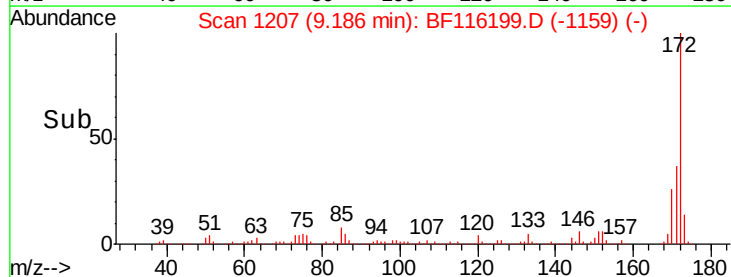


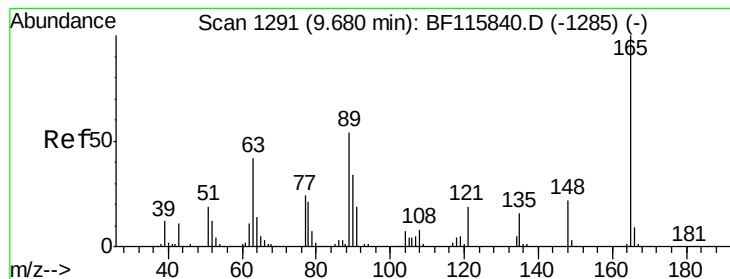
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 8.567 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.19 min

Lab File: BF116199.D

Acq: 12 Aug 2019 20:04

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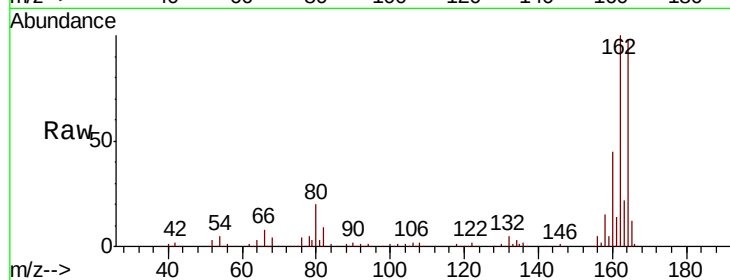
Tot Ion:165 Resp: 32594

Ion Ratio Lower Upper

165 100

63 1.0 38.2 57.2#

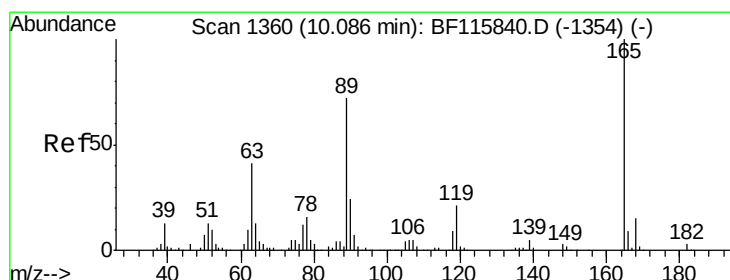
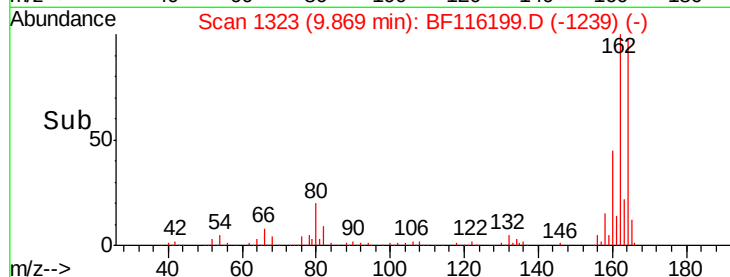
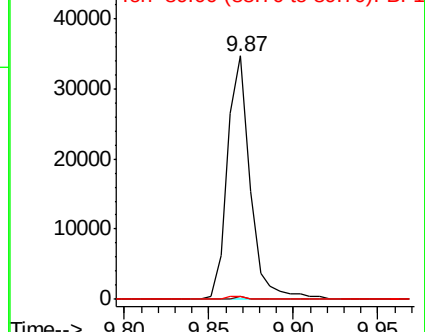
89 1.4 42.9 64.3#



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: 6.435 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF116199.D

Acq: 12 Aug 2019 20:04

Tgt Ion:165 Resp: 32594

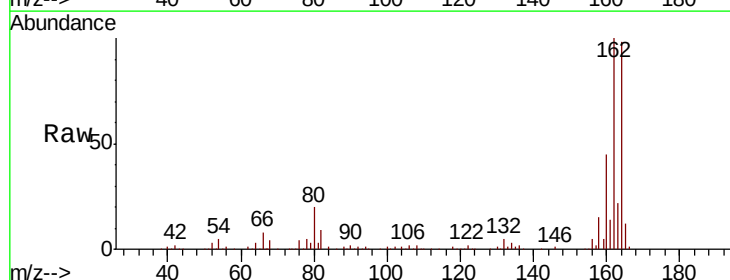
Ion Ratio Lower Upper

165 100

63 1.0 39.6 59.4#

89 1.4 62.2 93.2#

182 0.0 2.1 3.1#

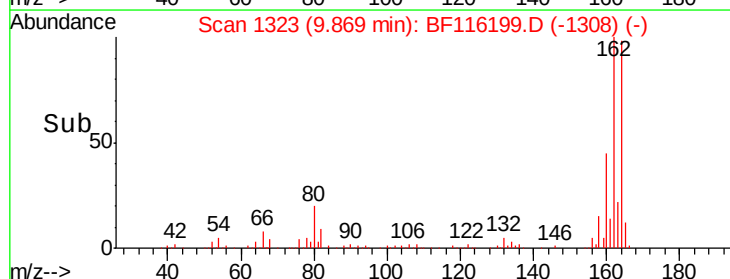
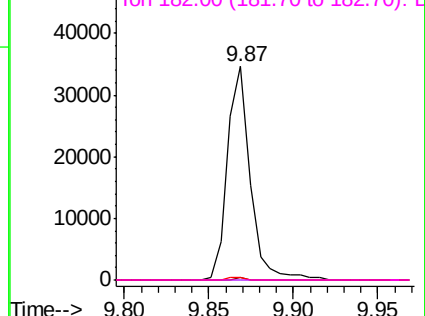


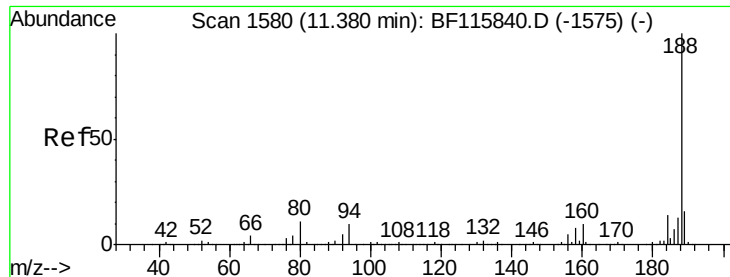
Abundance Ion 165.00 (164.70 to 165.70): E

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

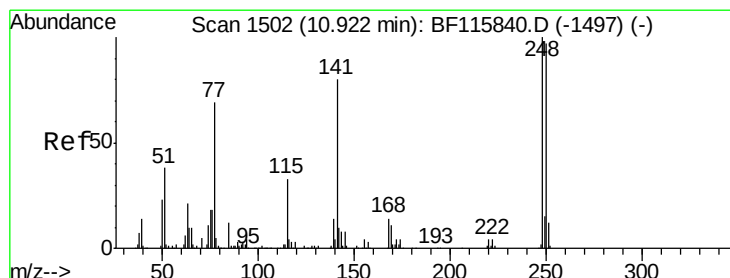
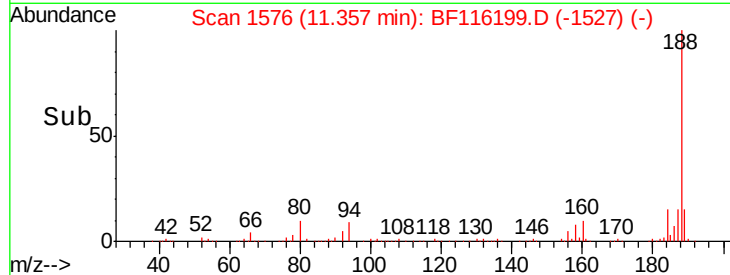
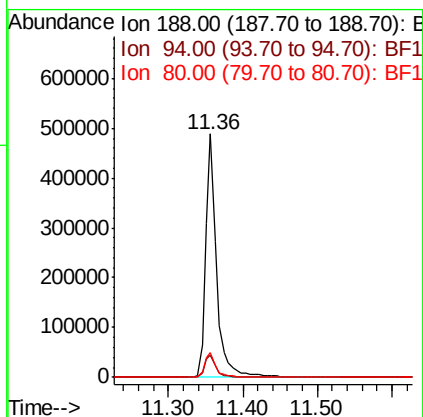
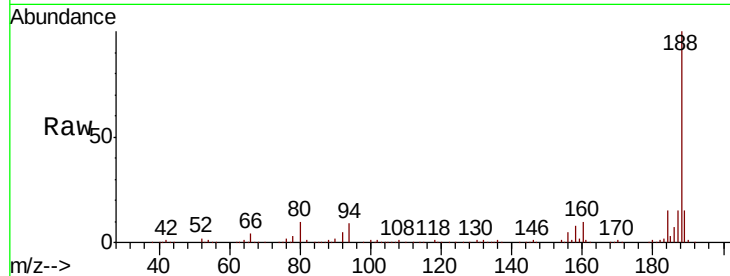




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116199.D
 Acq: 12 Aug 2019 20:04

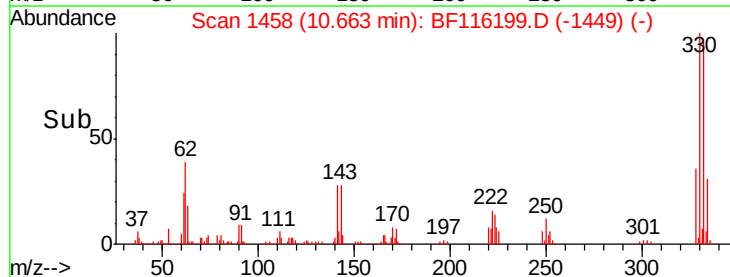
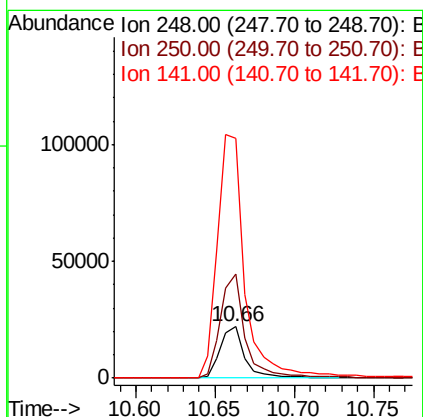
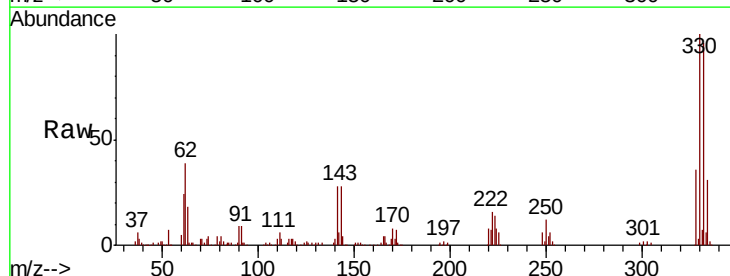
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-080919-A

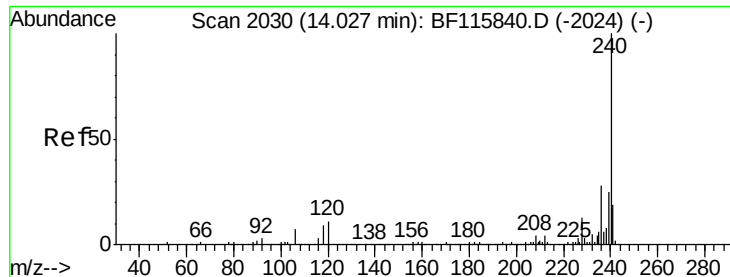
Tot Ion:188 Resp: 497919
 Ion Ratio Lower Upper
 188 100
 94 9.2 8.1 12.1
 80 10.0 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.488 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116199.D
 Acq: 12 Aug 2019 20:04

Tgt Ion:248 Resp: 23922
 Ion Ratio Lower Upper
 248 100
 250 201.4 77.4 116.2#
 141 465.0 56.8 85.2#

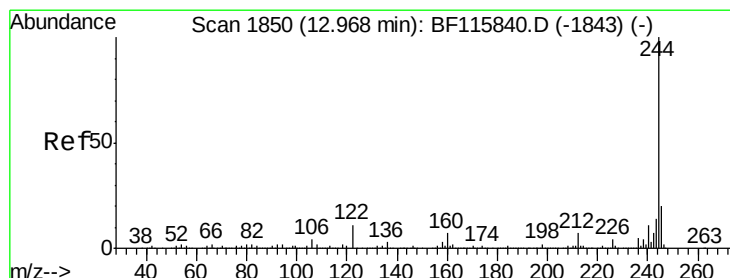
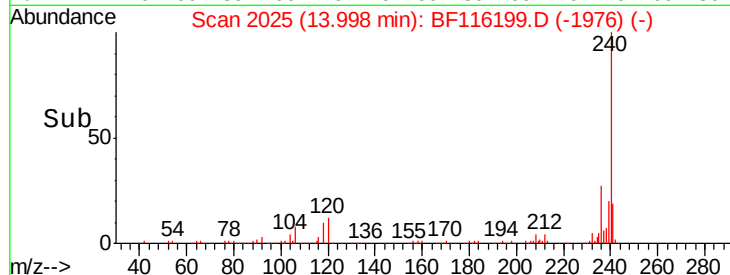
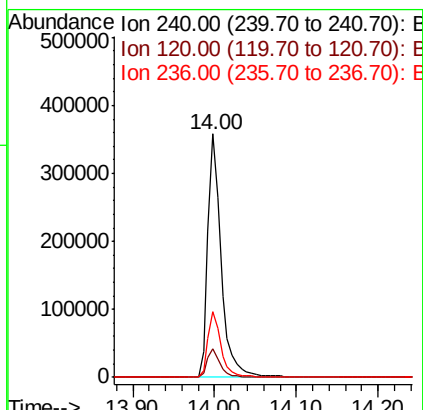
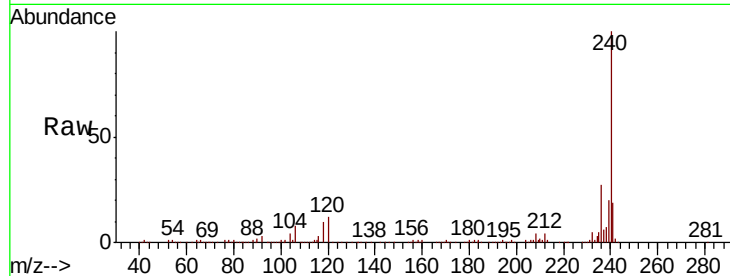




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116199.D
Acq: 12 Aug 2019 20:04

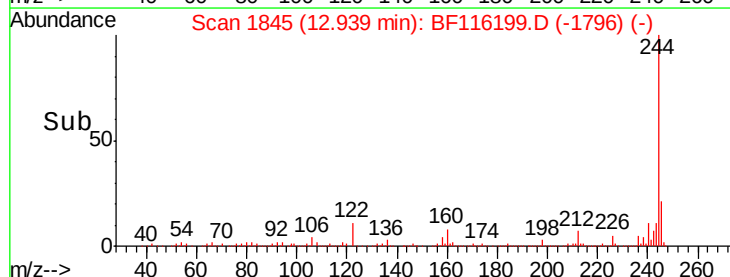
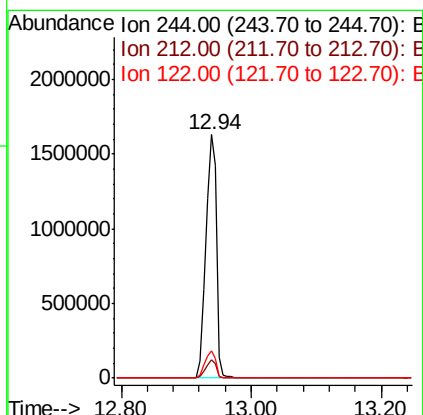
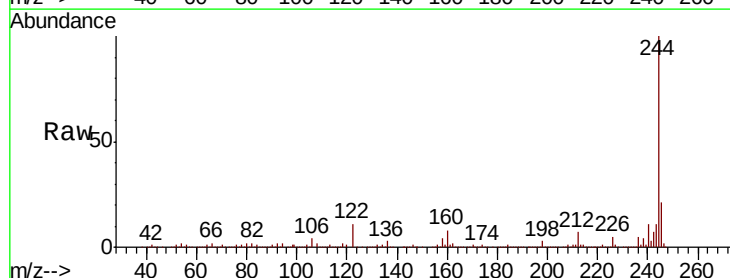
Instrument :
BNA_F
ClientSampleId :
HR-05-080919-A

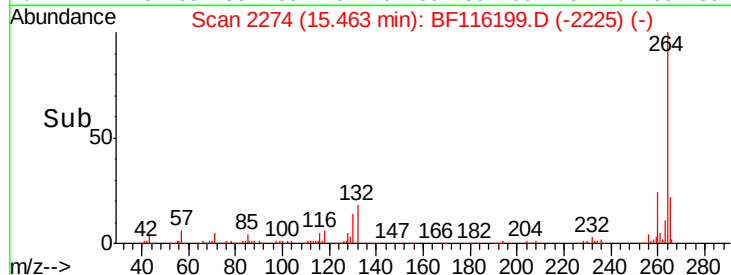
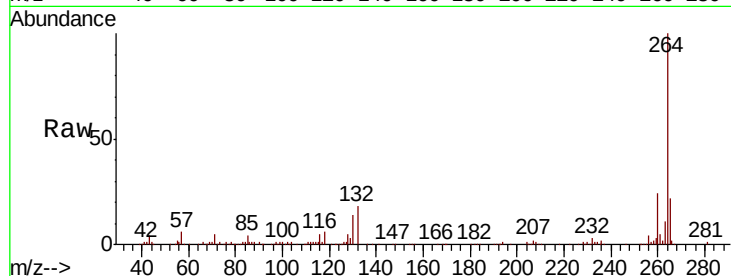
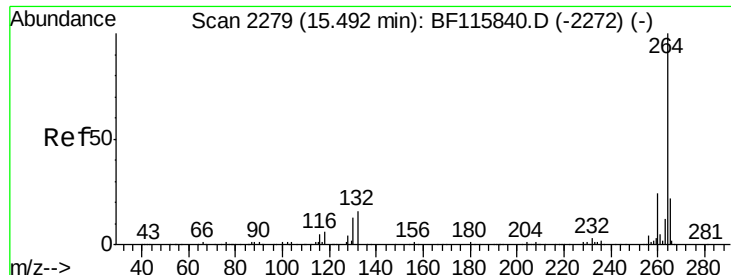
Tot Ion:240 Resp: 407816
Ion Ratio Lower Upper
240 100
120 11.7 10.7 16.1
236 26.9 22.2 33.2



#79
Terphenyl-d14
Concen: 94.799 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116199.D
Acq: 12 Aug 2019 20:04

Tgt Ion:244 Resp: 1834710
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.8
122 11.3 9.0 13.4





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF116199.D
 Acq: 12 Aug 2019 20:04

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-080919-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.7	29.5
265	21.8	17.4	26.0

