

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020519\
 Data File : BF112406.D
 Acq On : 5 Feb 2019 19:59
 Operator : JU/SJ
 Sample : K1341-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-C

Quant Time: Feb 05 22:30:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

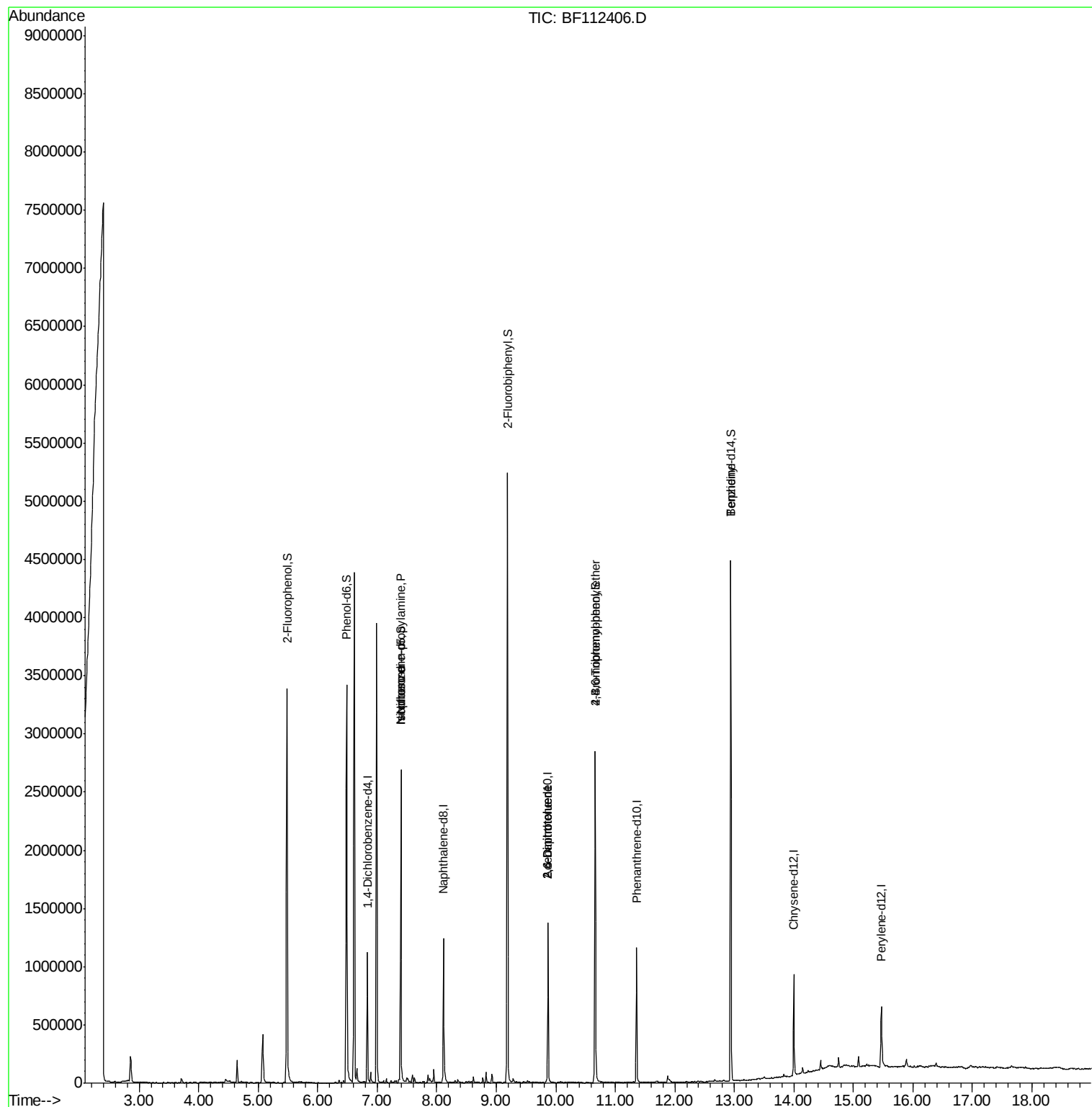
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	162515	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	594252	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	260404	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	421037	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	305296	20.00	ng	-0.01
87) Perylene-d12	15.47	264	245549	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1090546	142.53	ng	0.00
7) Phenol-d6	6.49	99	1200942	112.96	ng	0.00
23) Nitrobenzene-d5	7.40	82	907092	87.95	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	365397	120.55	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1740585	94.54	ng	-0.01
79) Terphenyl-d14	12.94	244	1453100	89.65	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	121441	16.565	ng	# 75
25) Isophorone	7.40	82	907079	56.064	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	33812	7.462	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	33812	5.861	ng	# 31
67) 4-Bromophenyl-phenylether	10.66	248	22063	4.455	ng	# 1
77) Benzidine	12.94	184	19541	2.326	ng	# 95

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

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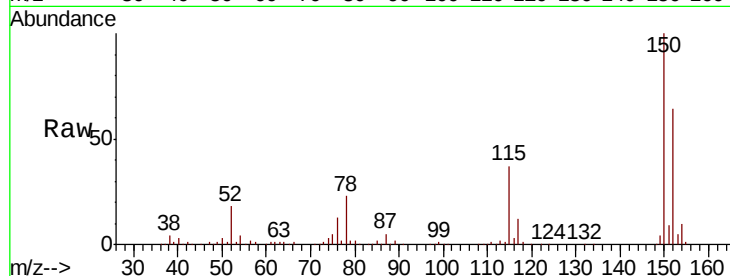


#1

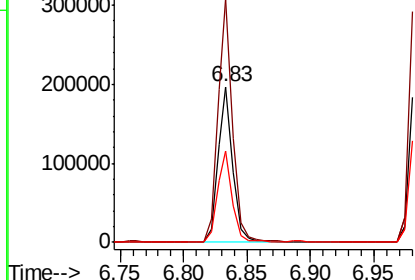
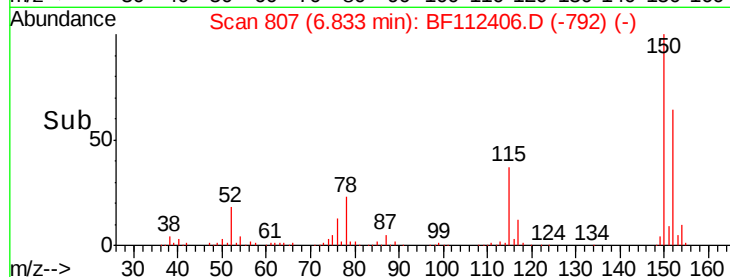
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112406.D
Acq: 5 Feb 2019 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-C

Tgt Ion:152 Resp: 162515
Ion Ratio Lower Upper
152 100
150 156.3 127.4 191.0
115 58.5 45.5 68.3



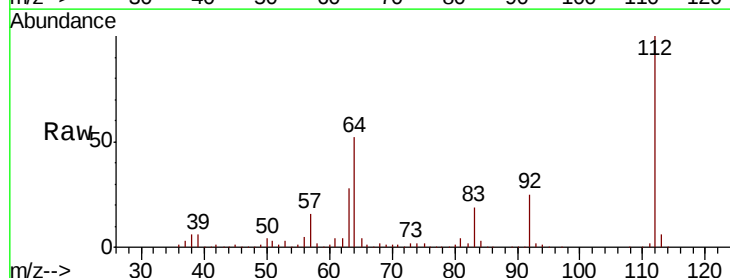
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



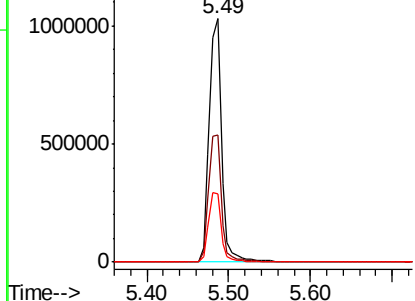
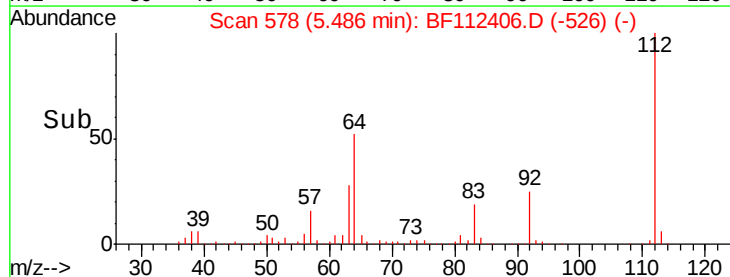
#5

2-Fluorophenol
Concen: 142.534 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF112406.D
Acq: 5 Feb 2019 19:59

Tgt Ion:112 Resp: 1090546
Ion Ratio Lower Upper
112 100
64 52.2 45.7 68.5
63 27.8 23.6 35.4



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: 112.959 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112406.D

Acq: 5 Feb 2019 19:59

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-C

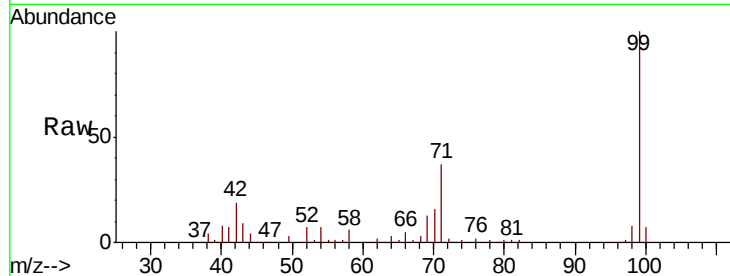
Tgt Ion: 99 Resp: 1200942

Ion Ratio Lower Upper

99 100

42 19.1 15.1 22.7

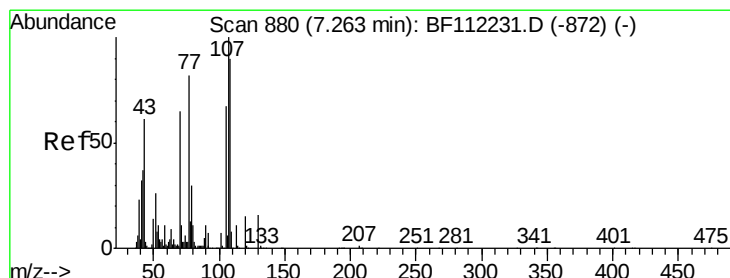
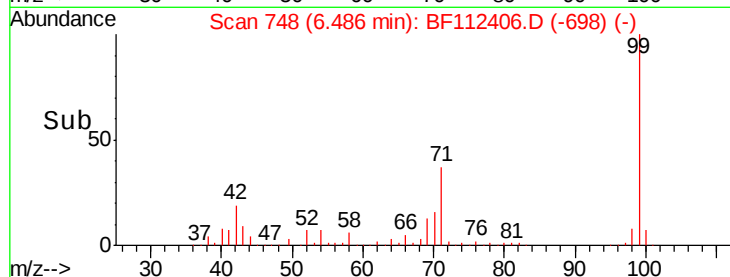
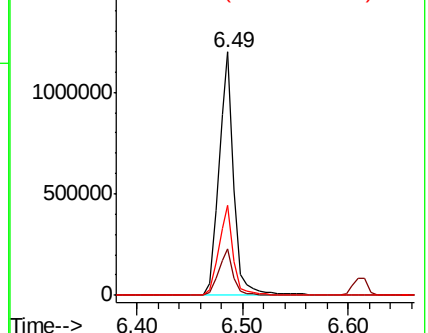
71 36.8 26.9 40.3



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: 16.565 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112406.D

Acq: 5 Feb 2019 19:59

Tgt Ion: 70 Resp: 121441

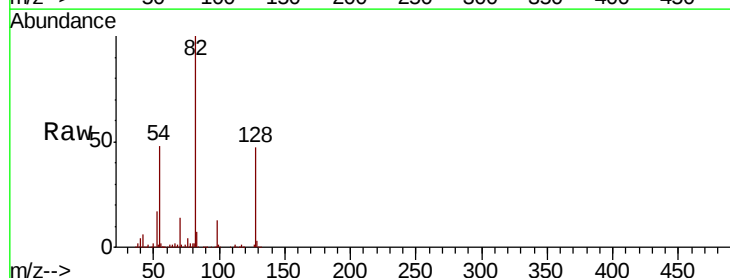
Ion Ratio Lower Upper

70 100

42 45.8 47.6 71.4#

101 0.0 7.9 11.9#

130 2.2 18.4 27.6#

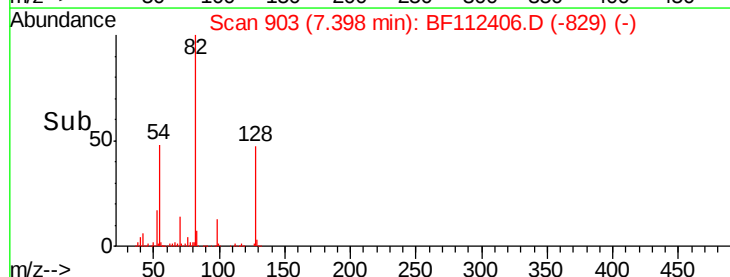
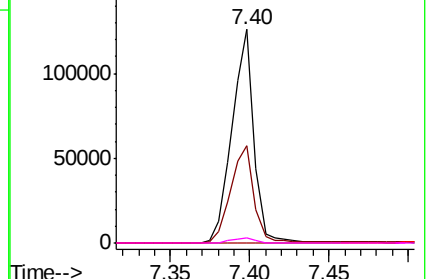


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF112406.D

Acq: 5 Feb 2019 19:59

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-C

Tgt Ion:136 Resp: 594252

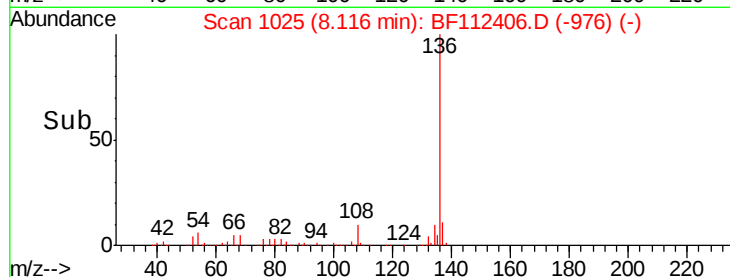
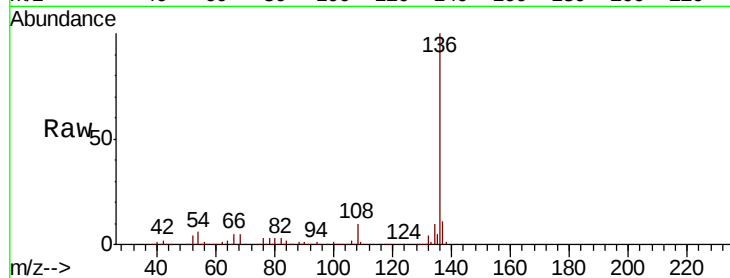
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 5.8 5.9 8.9#

68 4.8 5.1 7.7#

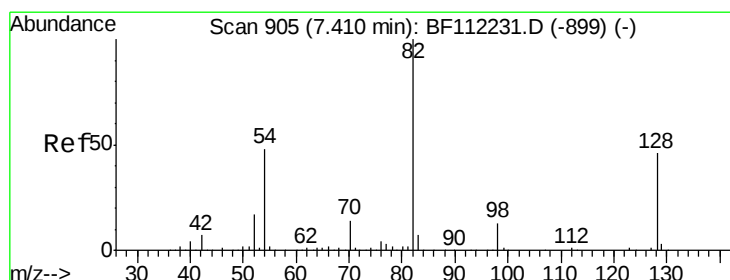
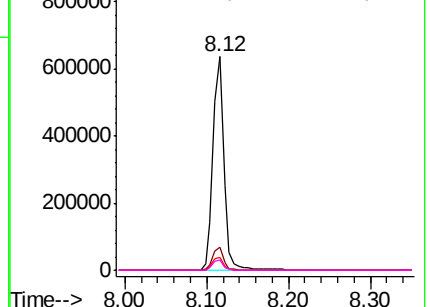


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.953 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112406.D

Acq: 5 Feb 2019 19:59

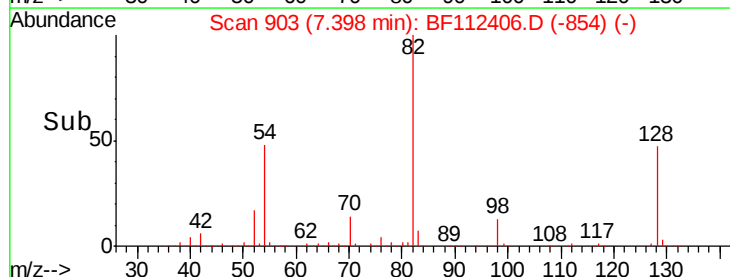
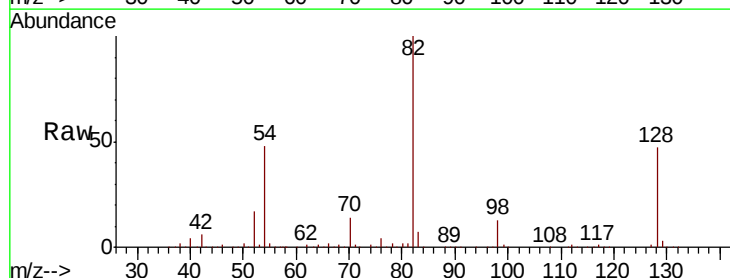
Tgt Ion: 82 Resp: 907092

Ion Ratio Lower Upper

82 100

128 46.8 37.8 56.8

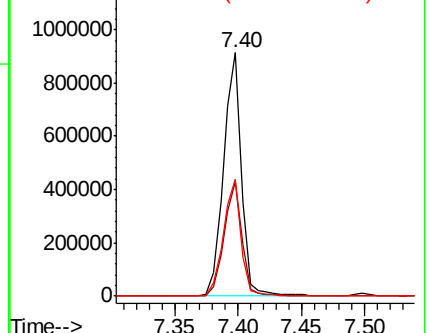
54 47.8 39.7 59.5



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: 56.064 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112406.D

Acq: 5 Feb 2019 19:59

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-C

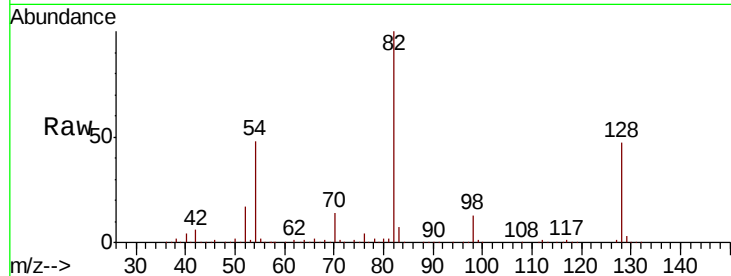
Tgt Ion: 82 Resp: 907079

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

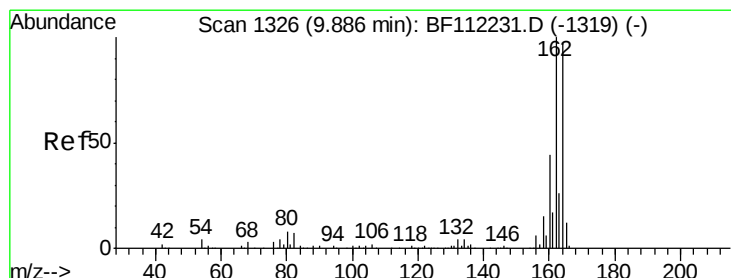
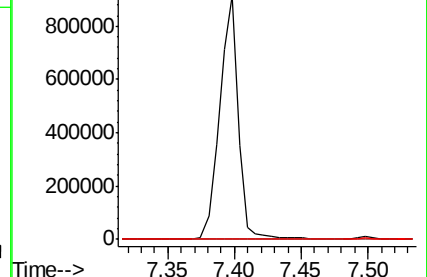
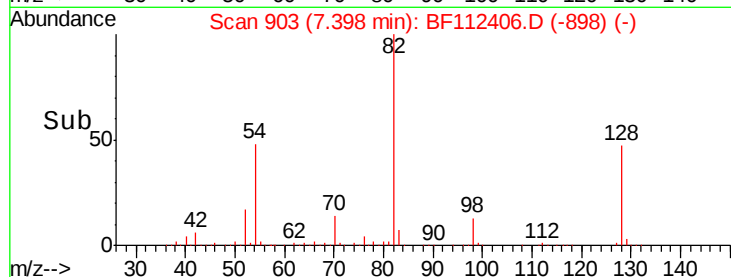
138 0.0 15.4 23.0#



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: BF112406.D

Acq: 5 Feb 2019 19:59

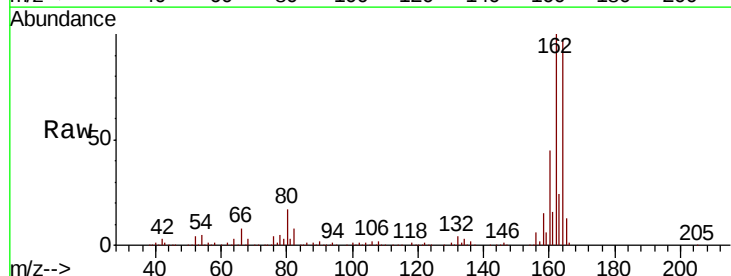
Tgt Ion: 164 Resp: 260404

Ion Ratio Lower Upper

164 100

162 103.5 82.2 123.4

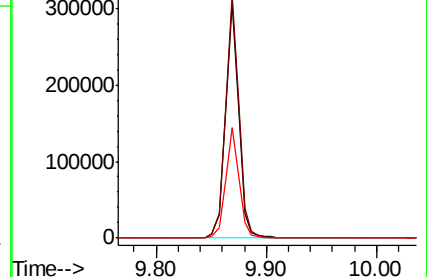
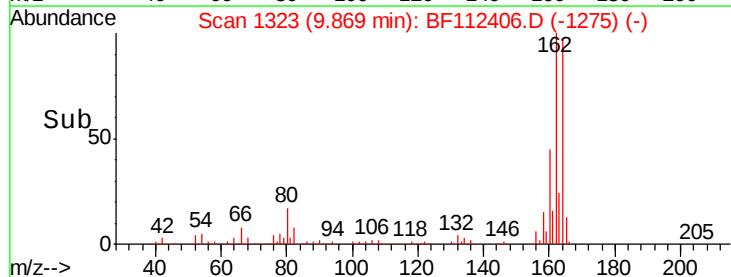
160 46.9 36.2 54.4

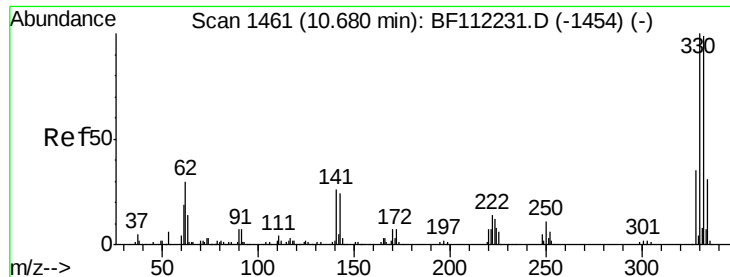


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

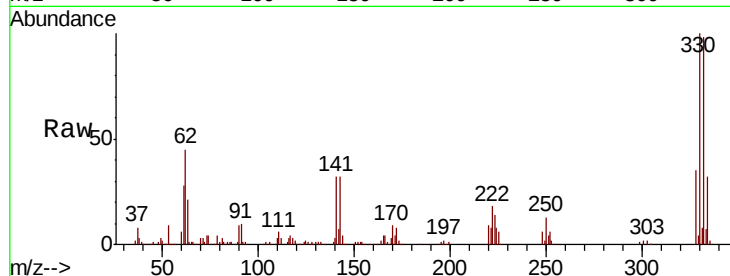




#42
 2,4,6-Tribromophenol
 Concen: 120.552 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112406.D
 Acq: 5 Feb 2019 19:59

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	114.8
141	32.1	24.3	36.5

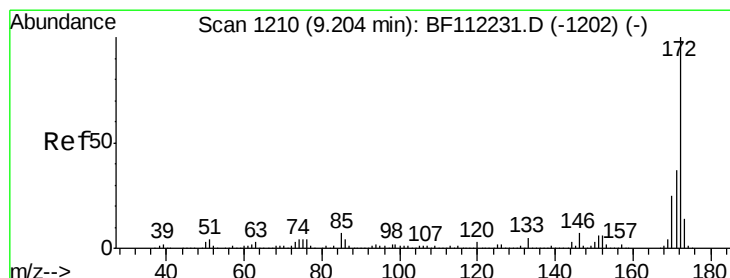
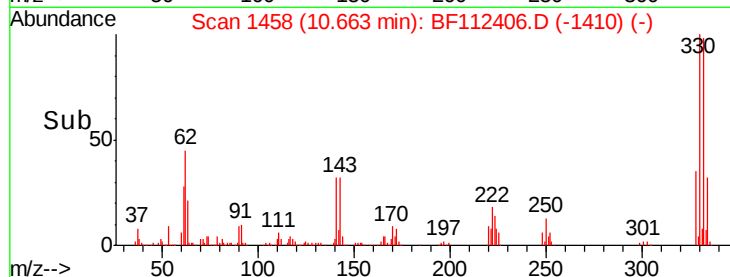
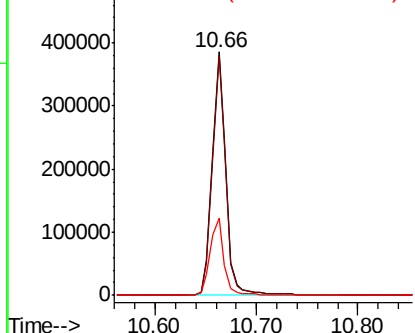


Abundance

Ion 329.80 (329.50 to 330.50): E

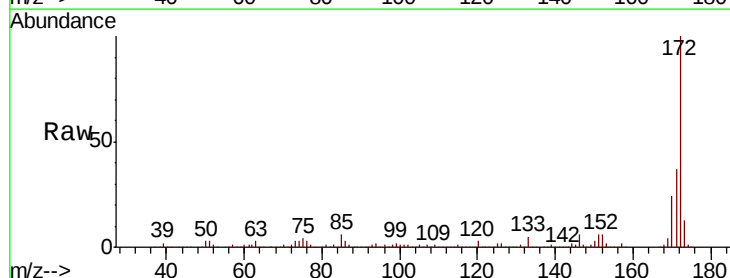
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 94.537 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112406.D
 Acq: 5 Feb 2019 19:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.5	45.7
170	24.4	20.2	30.4

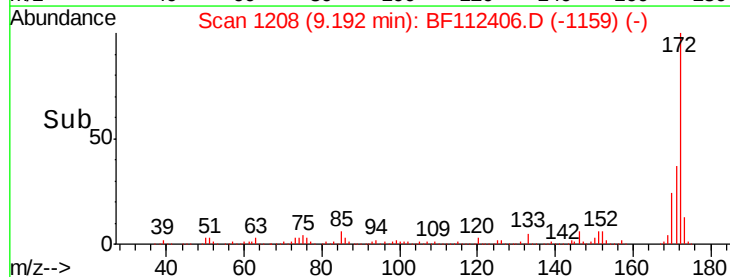
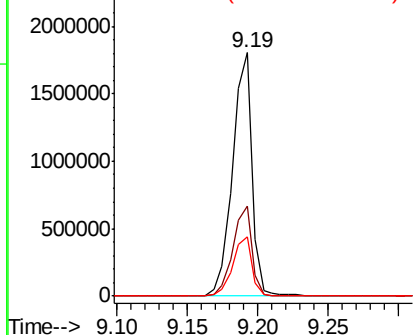


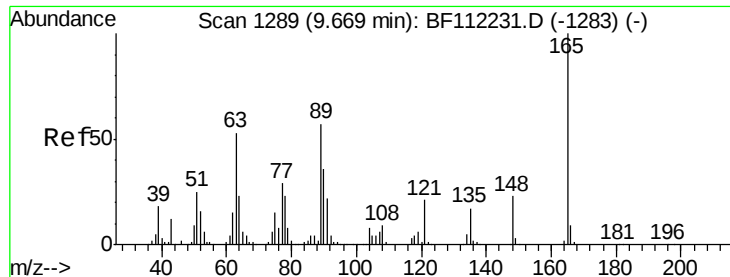
Abundance

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

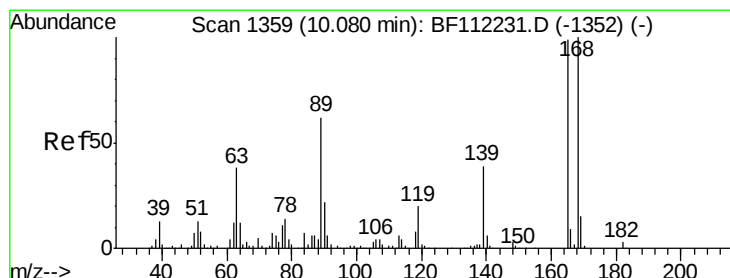
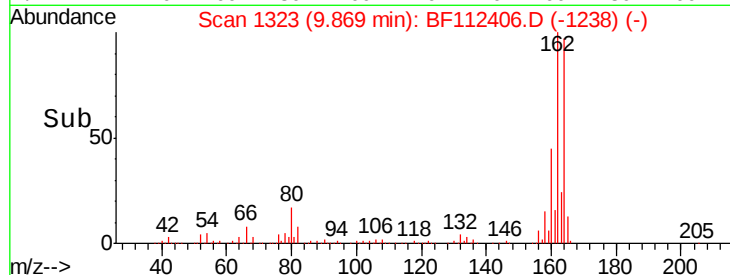
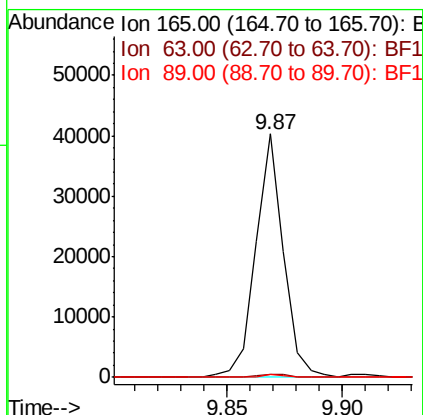
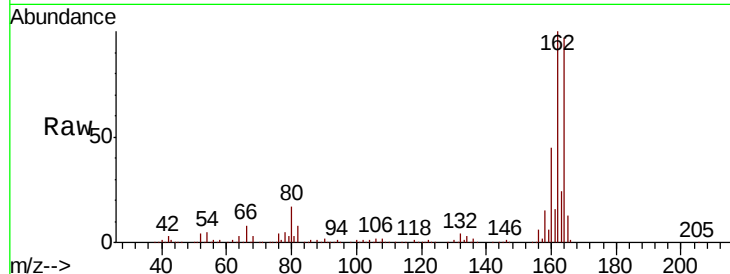




#51
 2,6-Dinitrotoluene
 Concen: 7.462 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112406.D
 Acq: 5 Feb 2019 19:59

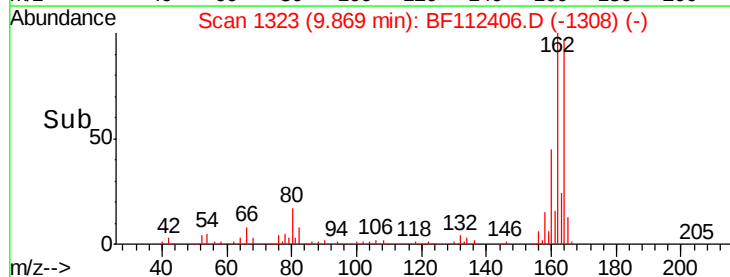
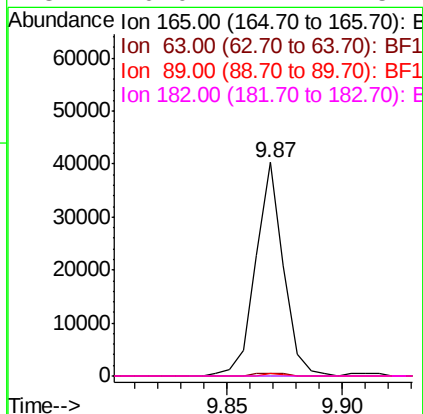
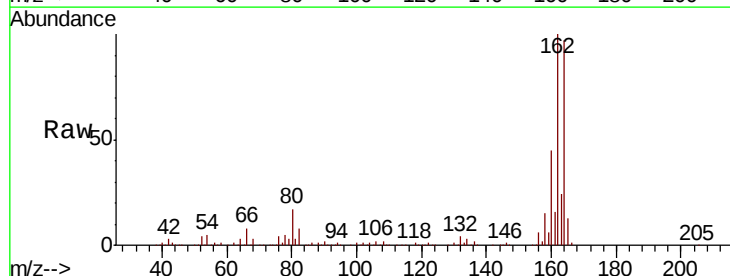
Instrument :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	33.8	50.8#
89	1.1	36.9	55.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.861 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112406.D
 Acq: 5 Feb 2019 19:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	27.9	41.9#
89	1.1	47.9	71.9#
182	0.0	2.2	3.4#

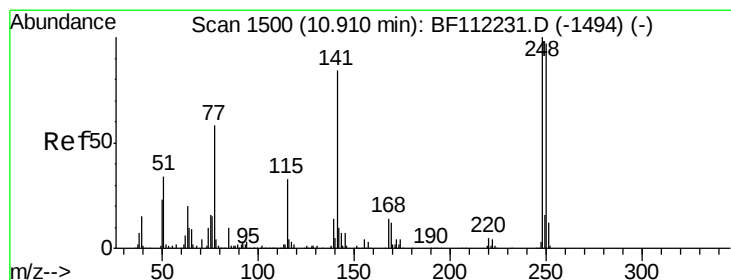
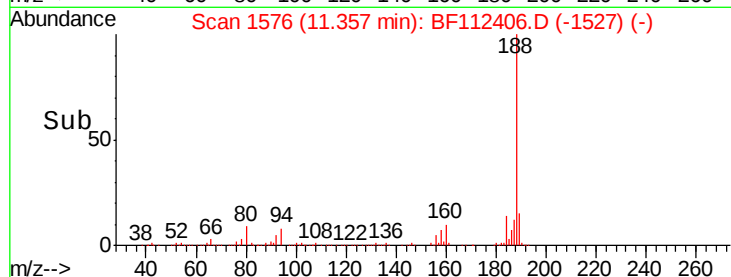
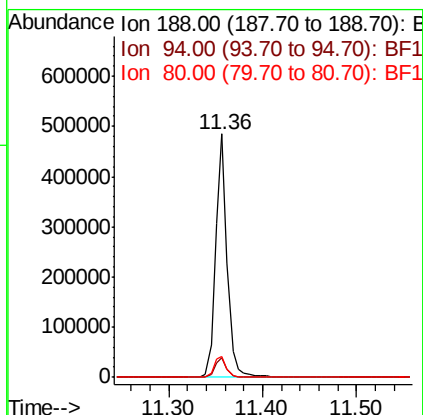
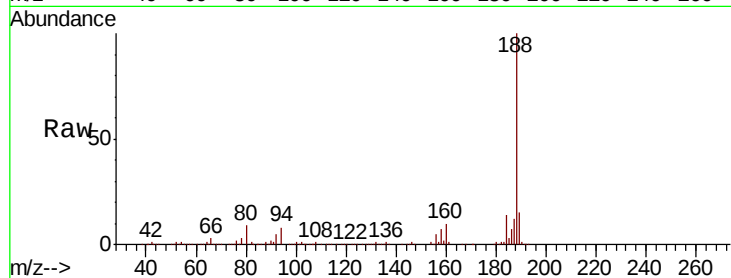




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112406.D
Acq: 5 Feb 2019 19:59

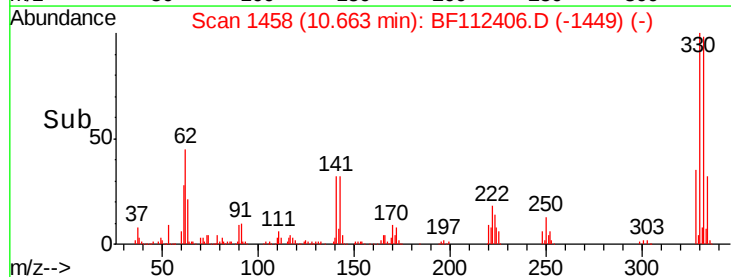
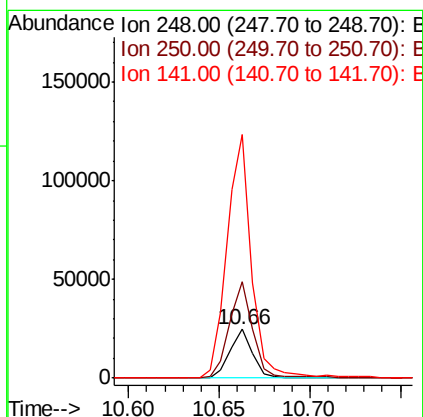
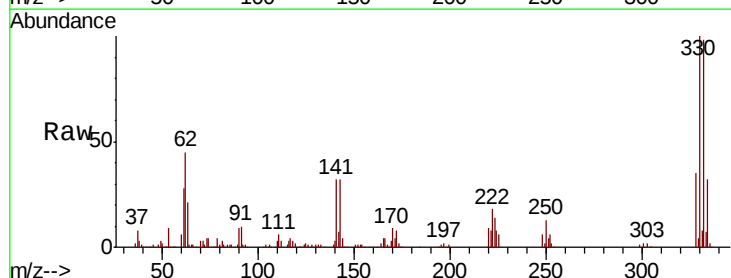
Instrument :
BNA_F
ClientSampleId :
HR-05-020419-C

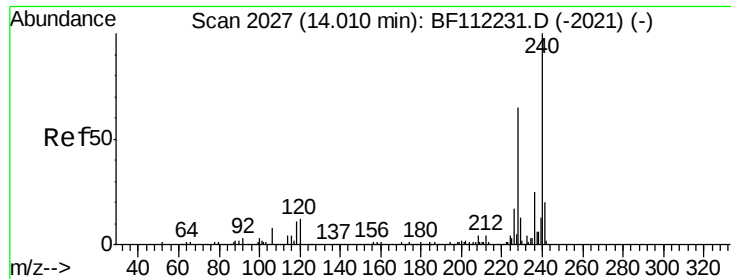
Tgt Ion:188 Resp: 421037
Ion Ratio Lower Upper
188 100
94 8.2 8.2 12.2
80 8.6 8.9 13.3#



#67
4-Bromophenyl-phenylether
Concen: 4.455 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF112406.D
Acq: 5 Feb 2019 19:59

Tgt Ion:248 Resp: 22063
Ion Ratio Lower Upper
248 100
250 199.1 79.7 119.5#
141 502.8 60.3 90.5#

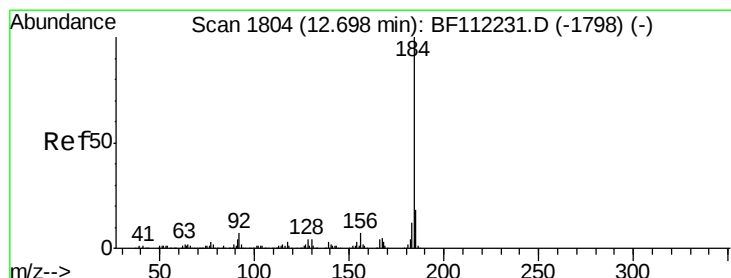
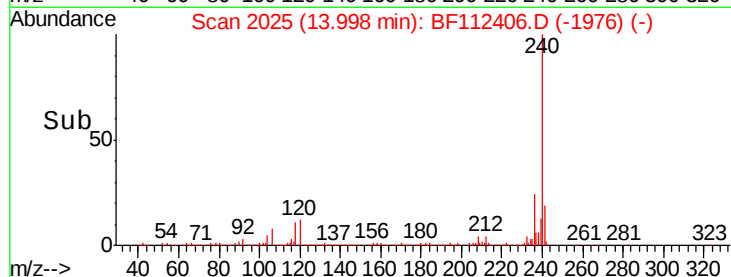
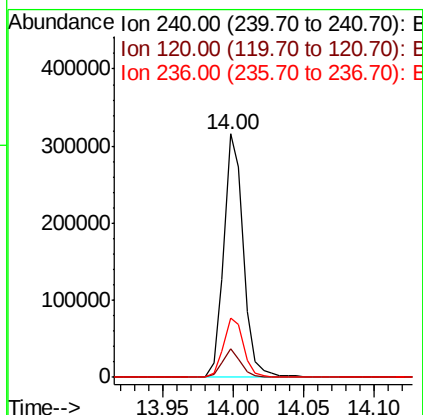
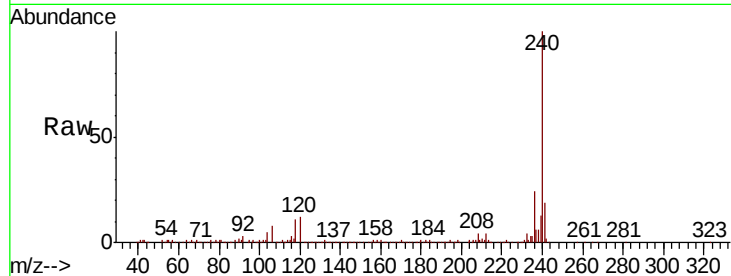




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112406.D
Acq: 5 Feb 2019 19:59

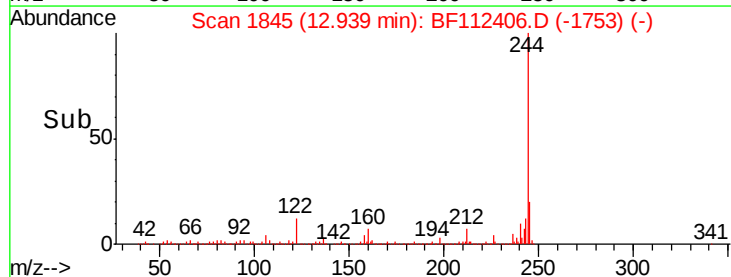
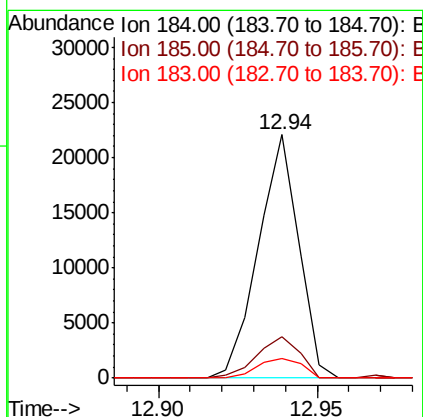
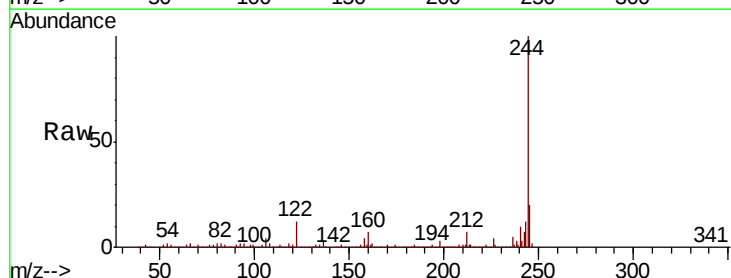
Instrument :
BNA_F
ClientSampleId :
HR-05-020419-C

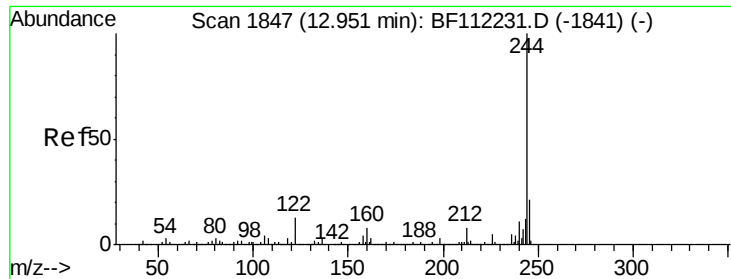
Tgt Ion:240 Resp: 305296
Ion Ratio Lower Upper
240 100
120 11.9 9.0 13.6
236 24.2 20.7 31.1



#77
Benzidine
Concen: 2.326 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.24 min
Lab File: BF112406.D
Acq: 5 Feb 2019 19:59

Tgt Ion:184 Resp: 19541
Ion Ratio Lower Upper
184 100
185 16.8 13.9 20.9
183 8.1 10.0 15.0#





#79

Terphenyl-d14

Concen: 89.645 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112406.D

Acq: 5 Feb 2019 19:59

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-C

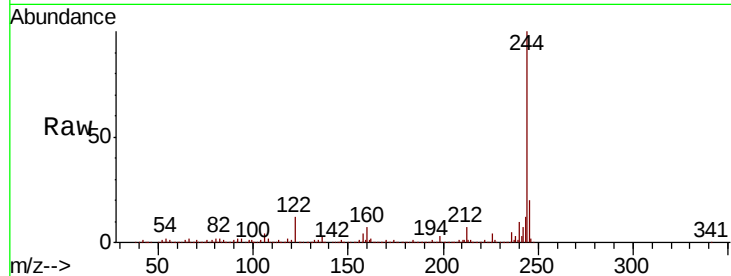
Tgt Ion:244 Resp: 1453100

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

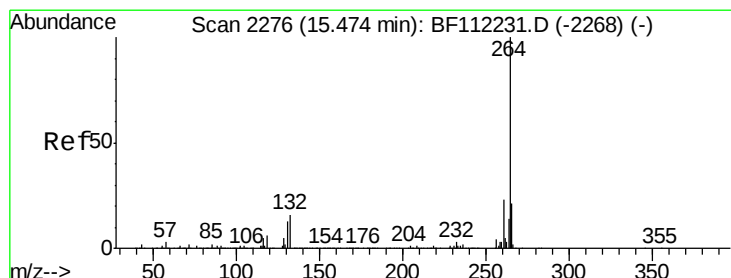
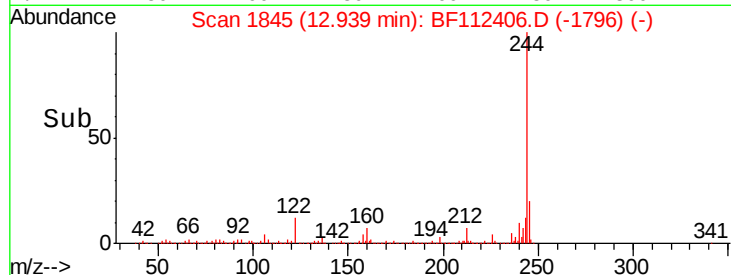
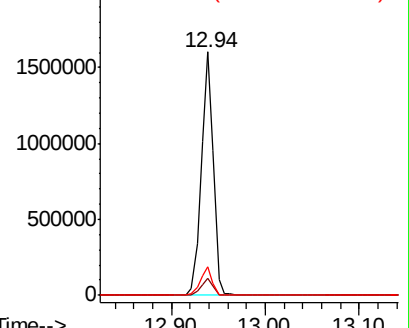
122 11.8 9.8 14.6



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: BF112406.D

Acq: 5 Feb 2019 19:59

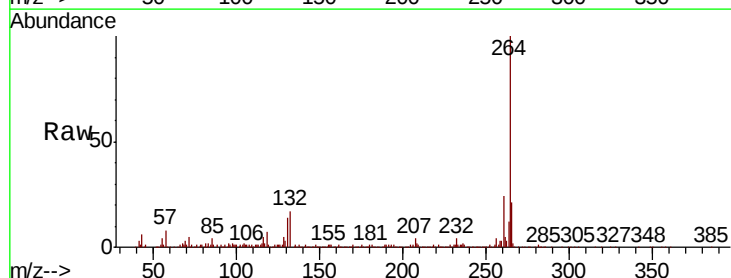
Tgt Ion:264 Resp: 245549

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.2

265 21.1 17.0 25.4



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

