

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020519\
 Data File : BF112405.D
 Acq On : 5 Feb 2019 19:32
 Operator : JU/SJ
 Sample : K1341-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Feb 05 22:30:20 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

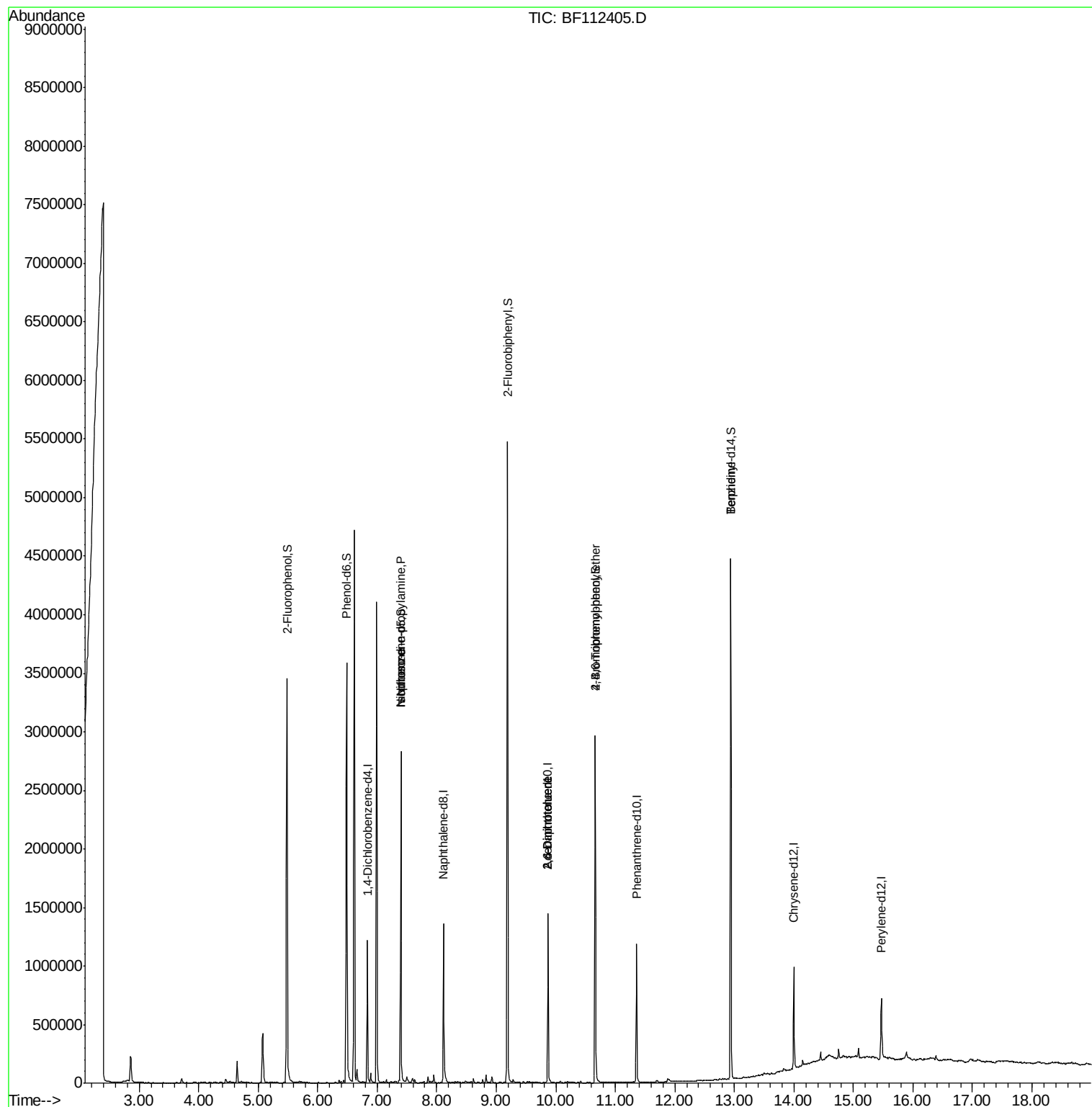
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	174593	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	631072	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	265495	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	427573	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	314123	20.00	ng	-0.01
87) Perylene-d12	15.47	264	250605	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1117715	135.98	ng	0.00
7) Phenol-d6	6.49	99	1255913	109.96	ng	0.00
23) Nitrobenzene-d5	7.40	82	913081	83.37	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	370352	119.84	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1754606	93.47	ng	-0.01
79) Terphenyl-d14	12.94	244	1432875	85.91	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	125711	15.962	ng	# 77
25) Isophorone	7.40	82	913066	53.141	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	35328	7.647	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	35328	6.007	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	22335	4.441	ng	# 1
77) Benzidine	12.94	184	19259	2.228	ng	97

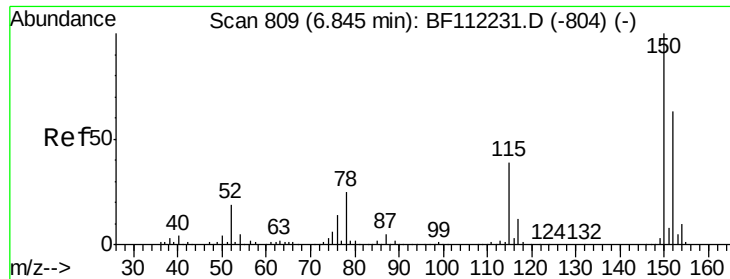
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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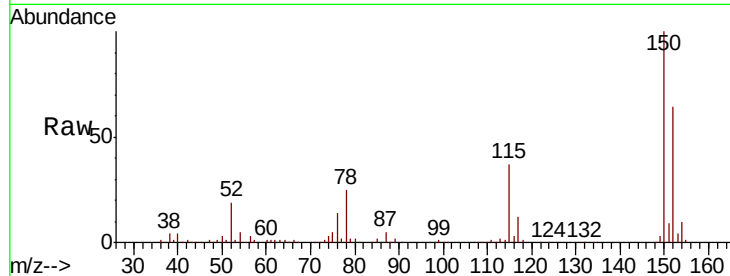


#1

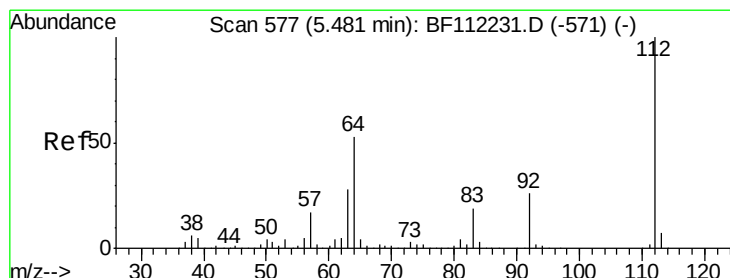
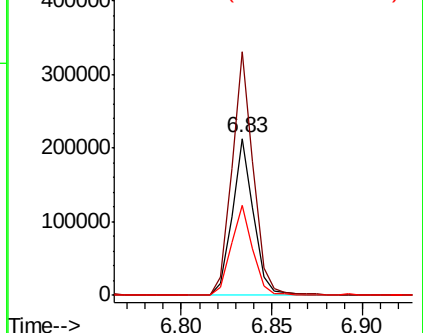
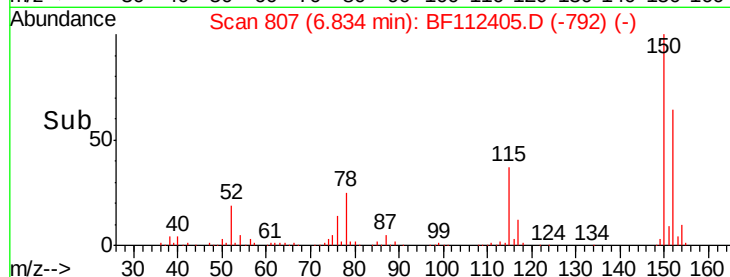
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112405.D
Acq: 5 Feb 2019 19:32

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

Tgt Ion:152 Resp: 174593
Ion Ratio Lower Upper
152 100
150 155.2 127.4 191.0
115 57.7 45.5 68.3



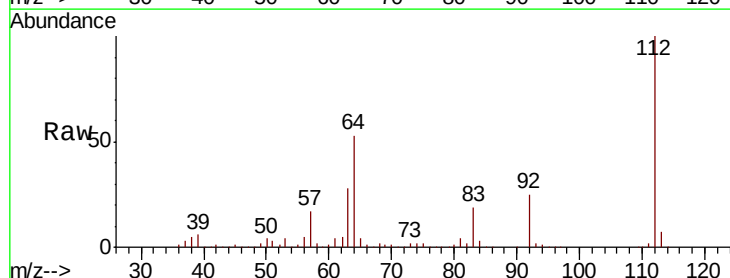
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



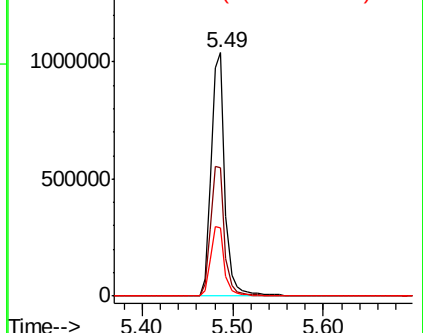
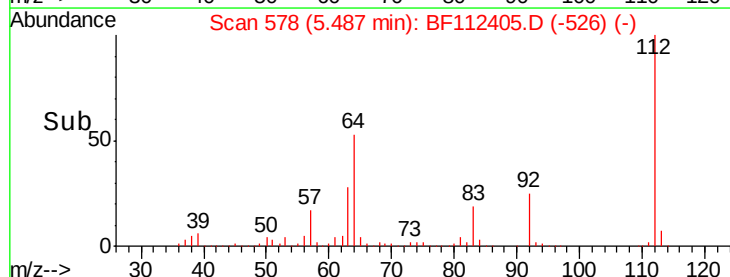
#5

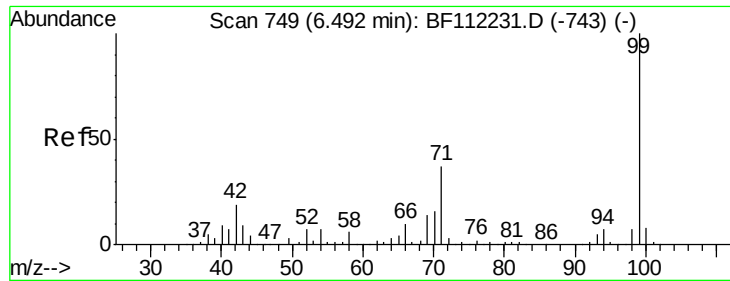
2-Fluorophenol
Concen: 135.979 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF112405.D
Acq: 5 Feb 2019 19:32

Tgt Ion:112 Resp: 1117715
Ion Ratio Lower Upper
112 100
64 52.6 45.7 68.5
63 28.2 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: 109.958 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112405.D

Acq: 5 Feb 2019 19:32

Instrument :

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ClientSampleId :

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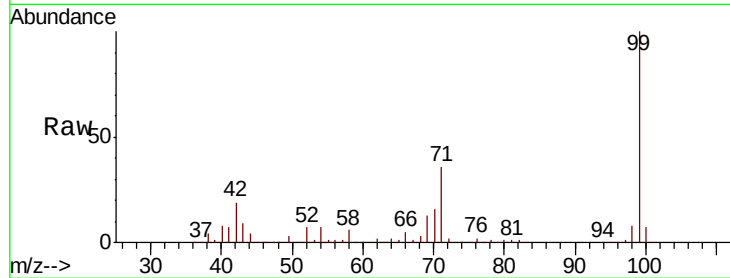
Tgt Ion: 99 Resp: 1255913

Ion Ratio Lower Upper

99 100

42 19.0 15.1 22.7

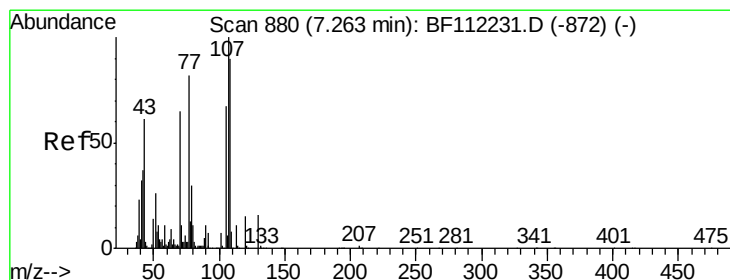
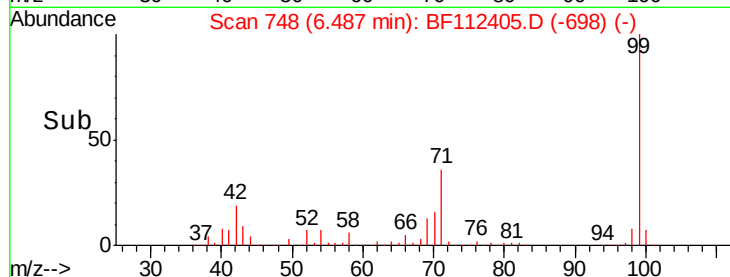
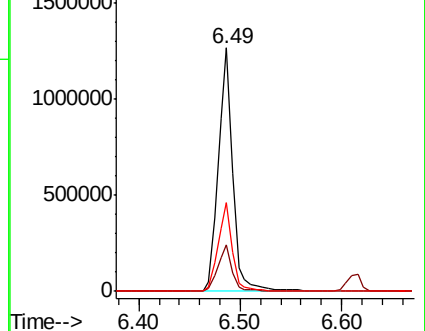
71 36.3 26.9 40.3



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: 15.962 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112405.D

Acq: 5 Feb 2019 19:32

Tgt Ion: 70 Resp: 125711

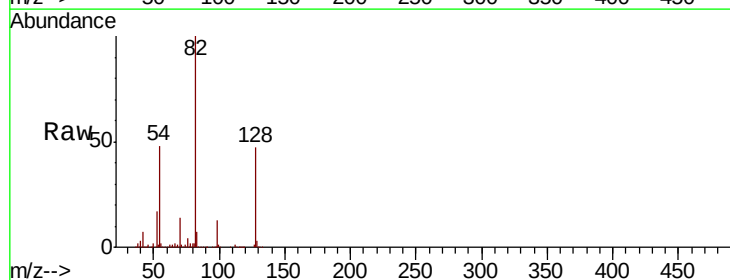
Ion Ratio Lower Upper

70 100

42 48.0 47.6 71.4

101 0.0 7.9 11.9#

130 2.3 18.4 27.6#

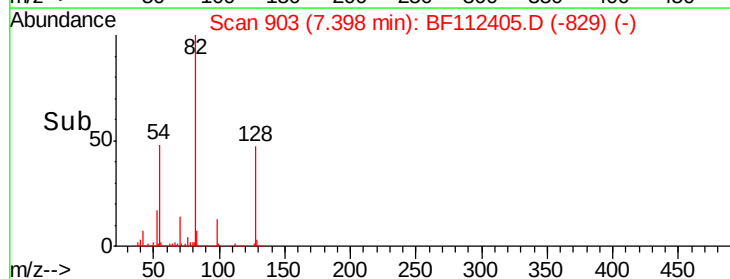
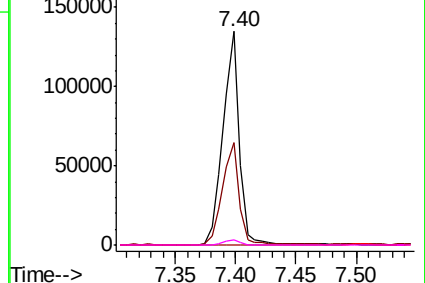


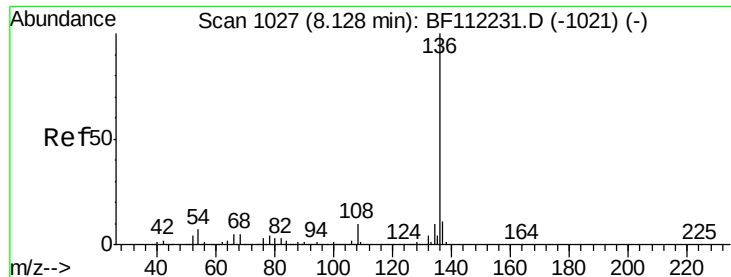
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

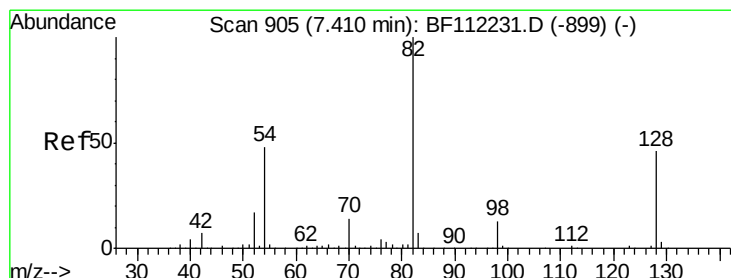
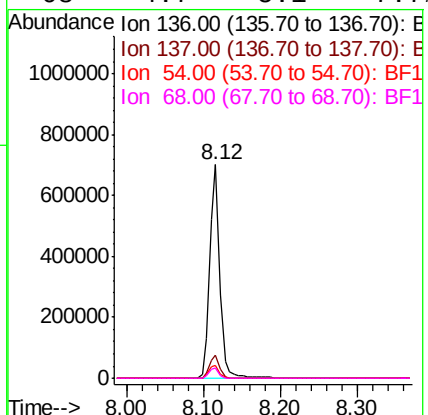
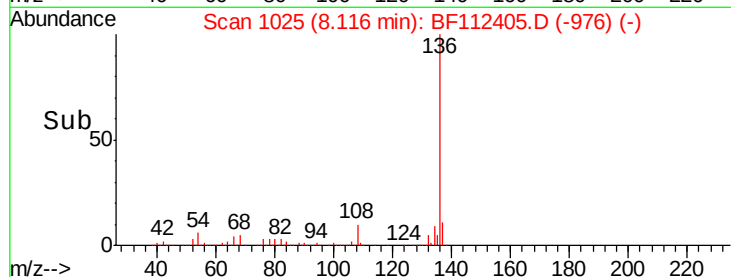
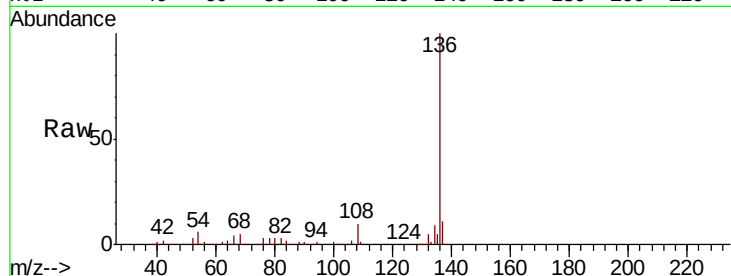




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112405.D
Acq: 5 Feb 2019 19:32

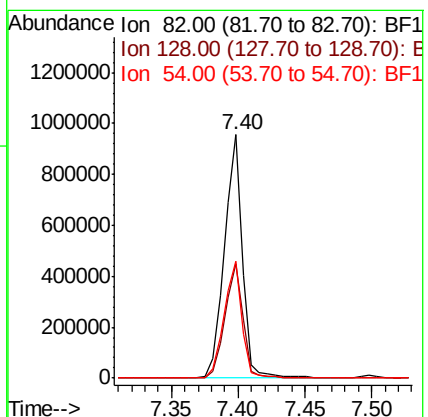
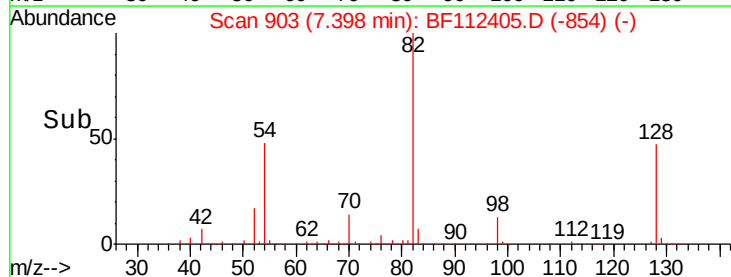
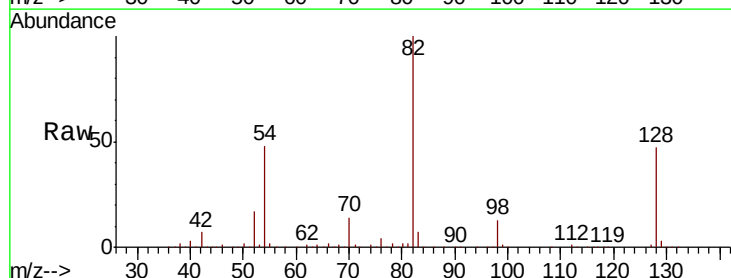
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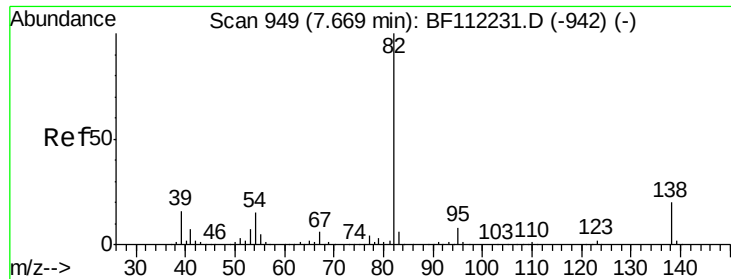
Tgt Ion:136 Resp: 631072
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 6.2 5.9 8.9
68 4.7 5.1 7.7#



#23
Nitrobenzene-d5
Concen: 83.369 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112405.D
Acq: 5 Feb 2019 19:32

Tgt Ion: 82 Resp: 913081
Ion Ratio Lower Upper
82 100
128 47.1 37.8 56.8
54 48.2 39.7 59.5





#25

Isophorone

Concen: 53.141 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112405.D

Acq: 5 Feb 2019 19:32

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-B

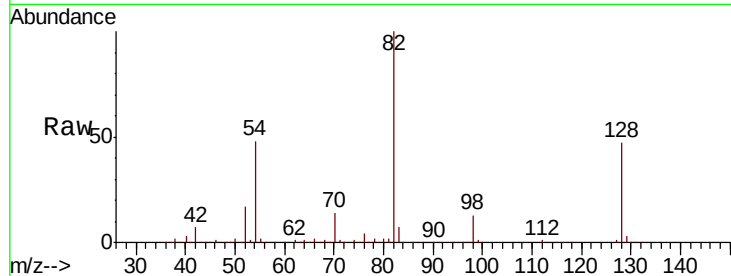
Tgt Ion: 82 Resp: 913066

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

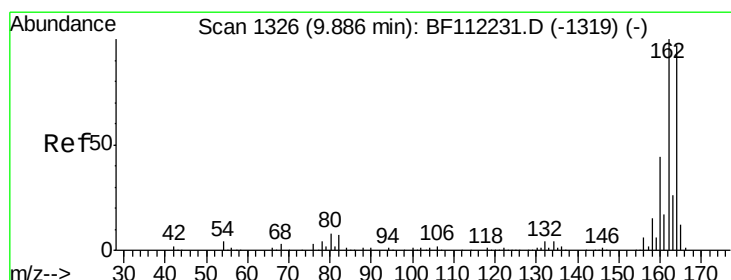
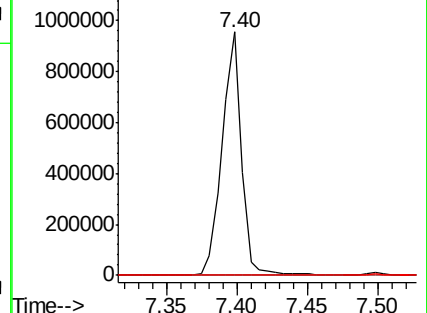
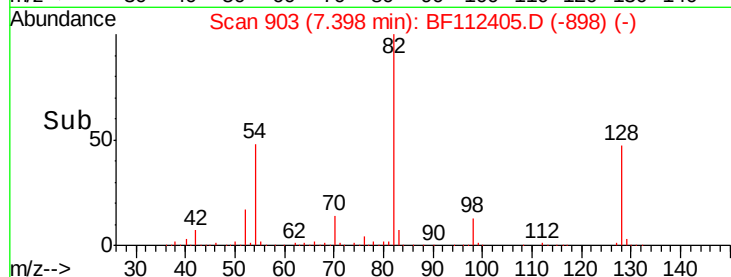
138 0.0 15.4 23.0#



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: BF112405.D

Acq: 5 Feb 2019 19:32

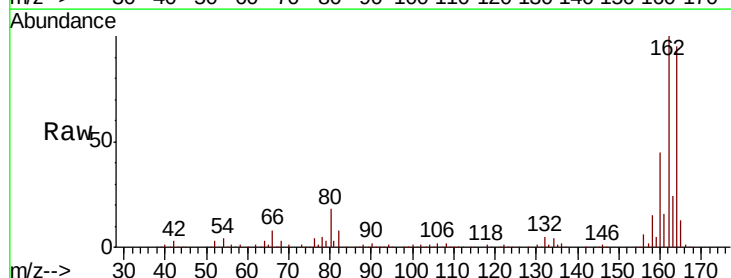
Tgt Ion: 164 Resp: 265495

Ion Ratio Lower Upper

164 100

162 105.7 82.2 123.4

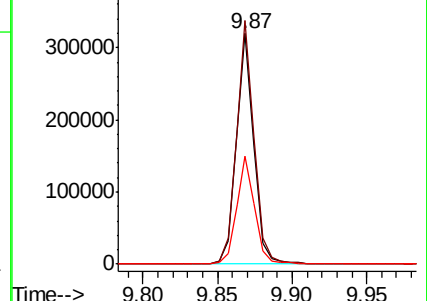
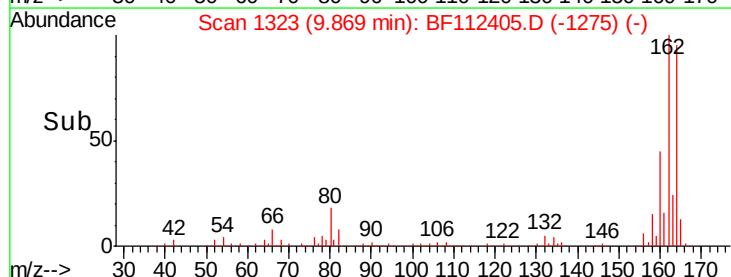
160 47.0 36.2 54.4

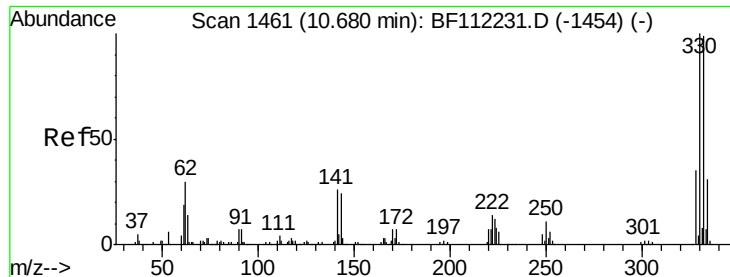


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 119.844 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112405.D

Acq: 5 Feb 2019 19:32

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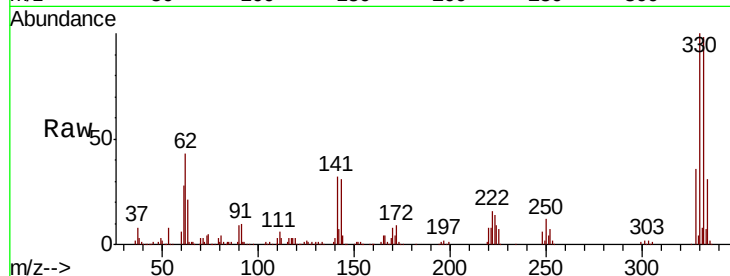
Tgt Ion:330 Resp: 370352

Ion Ratio Lower Upper

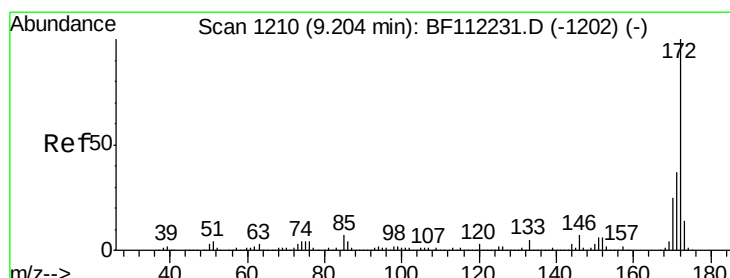
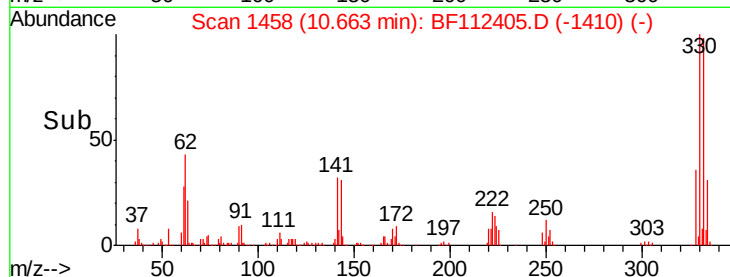
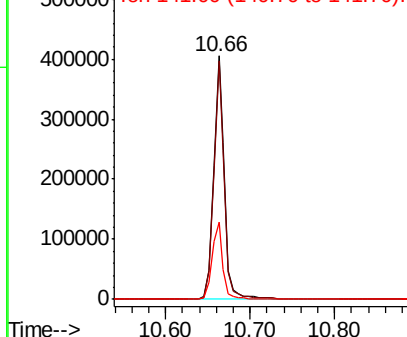
330 100

332 96.8 76.6 114.8

141 32.0 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: 93.471 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112405.D

Acq: 5 Feb 2019 19:32

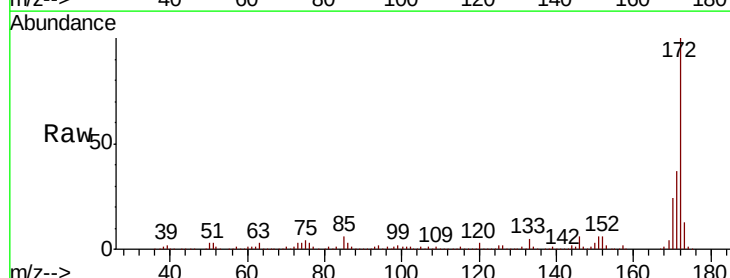
Tgt Ion:172 Resp: 1754606

Ion Ratio Lower Upper

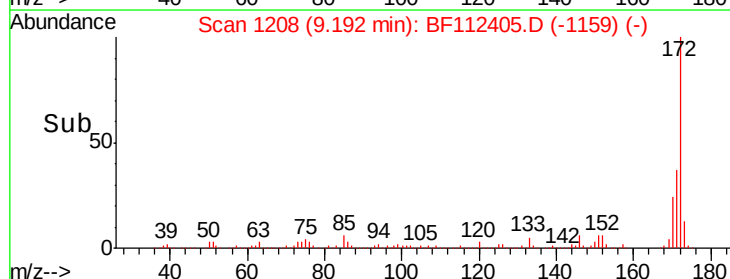
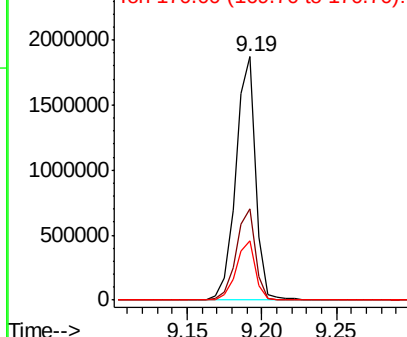
172 100

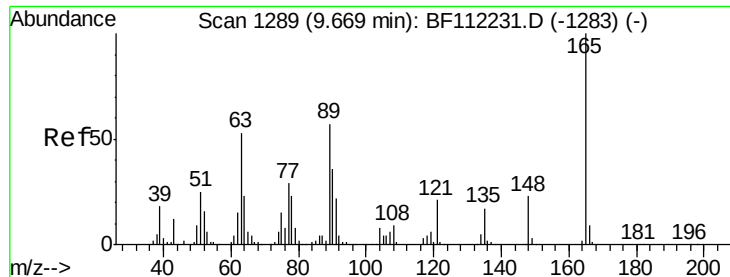
171 37.5 30.5 45.7

170 24.3 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

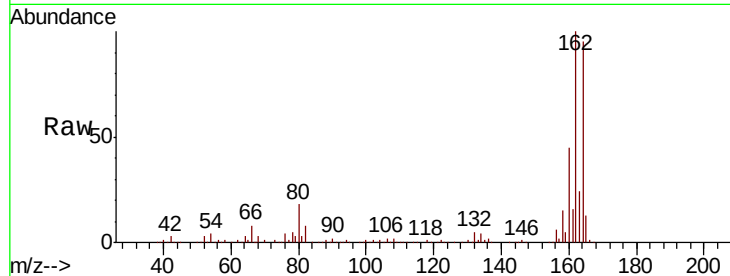




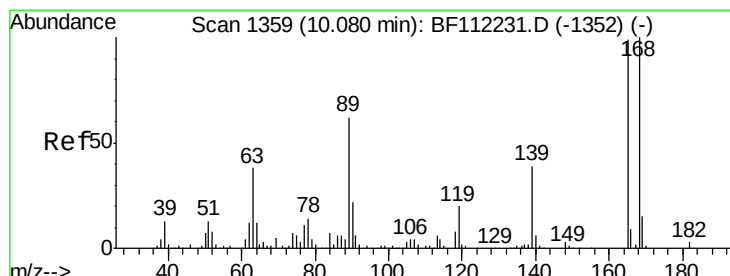
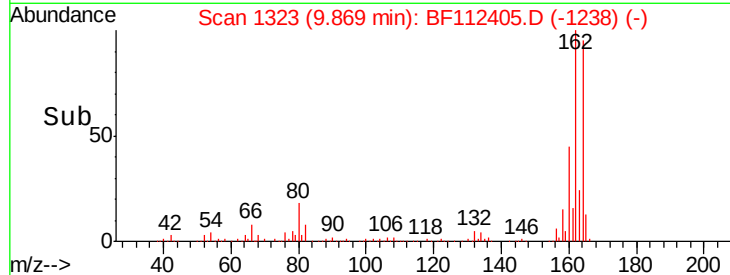
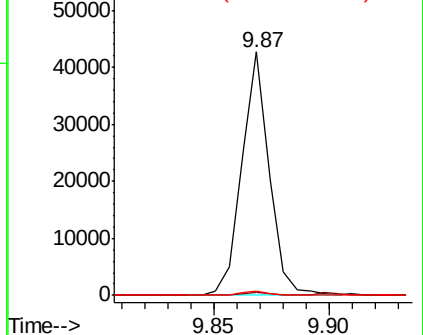
#51
 2,6-Dinitrotoluene
 Concen: 7.647 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112405.D
 Acq: 5 Feb 2019 19:32

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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.8	50.8#
89	1.6	36.9	55.3#



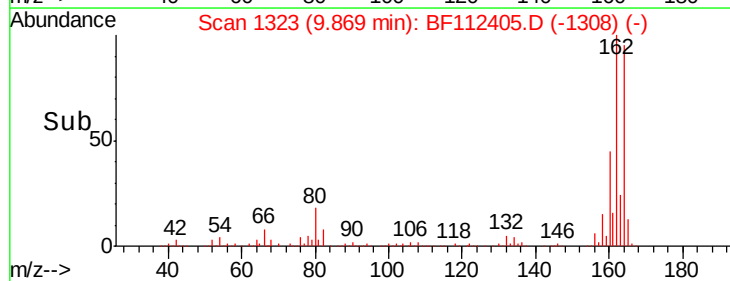
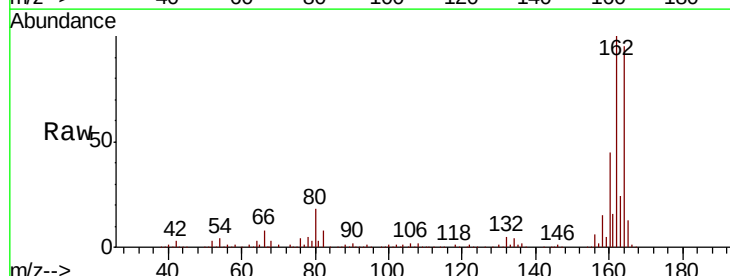
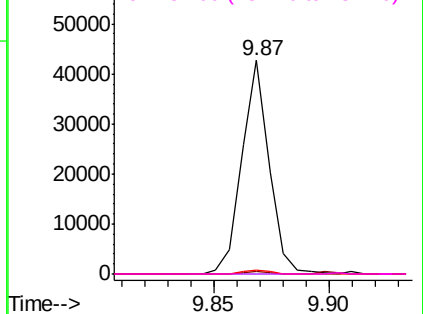
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

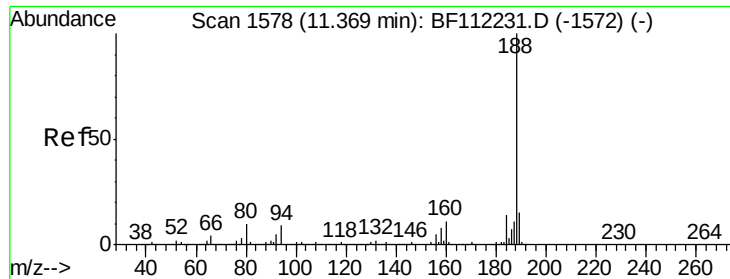


#57
 2,4-Dinitrotoluene
 Concen: 6.007 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112405.D
 Acq: 5 Feb 2019 19:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.9	41.9#
89	1.6	47.9	71.9#
182	0.0	2.2	3.4#

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

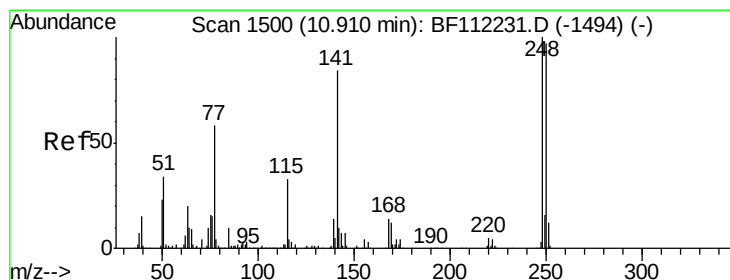
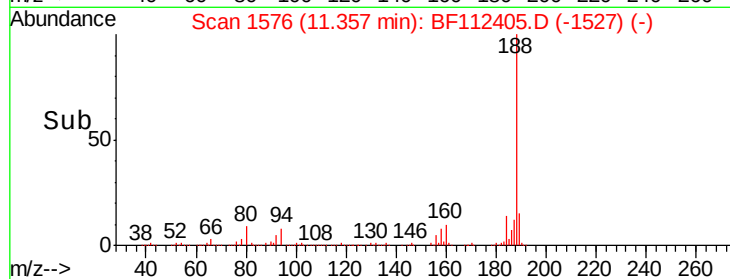
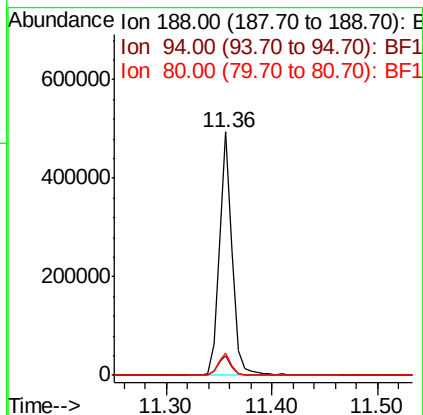
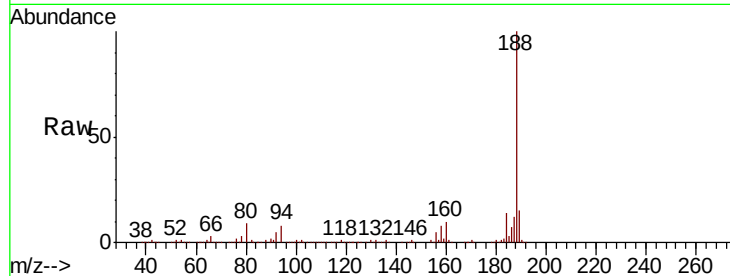




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112405.D
Acq: 5 Feb 2019 19:32

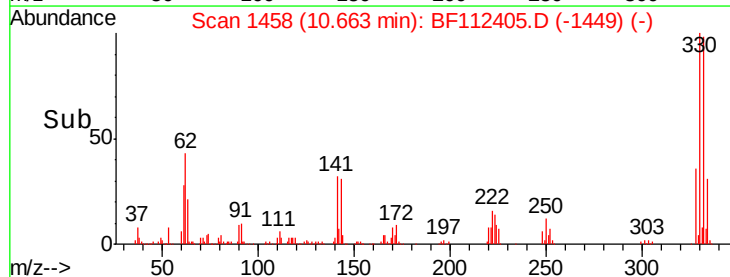
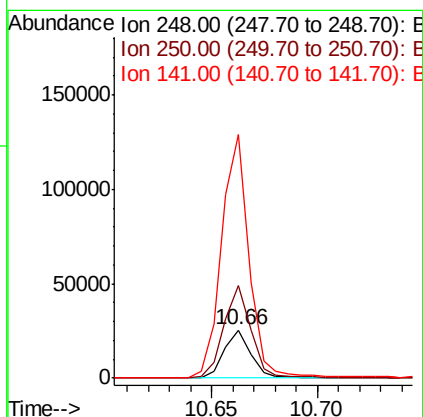
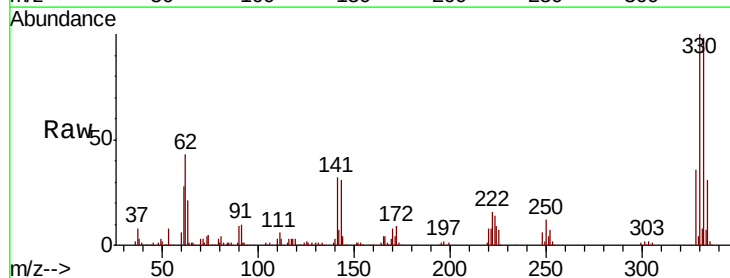
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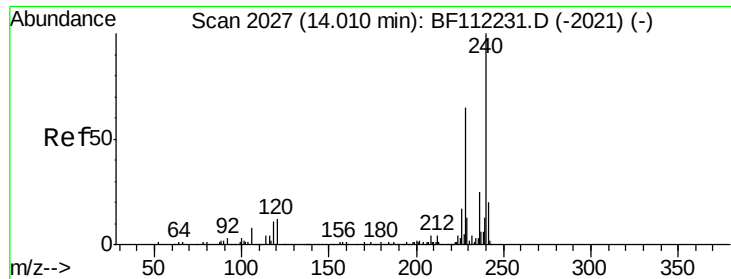
Tgt Ion:188 Resp: 427573
Ion Ratio Lower Upper
188 100
94 7.9 8.2 12.2#
80 9.0 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 4.441 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF112405.D
Acq: 5 Feb 2019 19:32

Tgt Ion:248 Resp: 22335
Ion Ratio Lower Upper
248 100
250 190.6 79.7 119.5#
141 503.4 60.3 90.5#

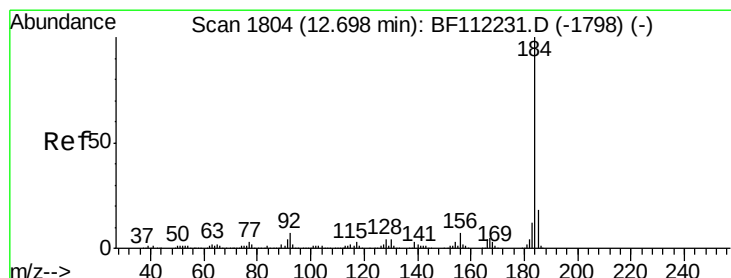
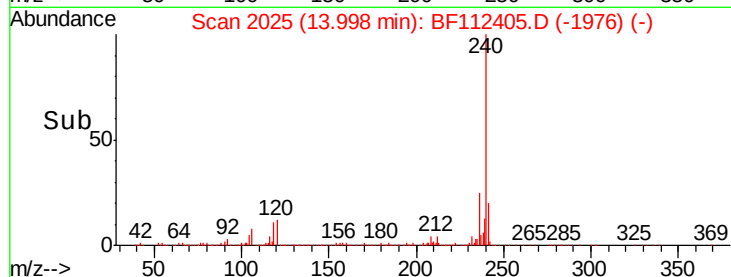
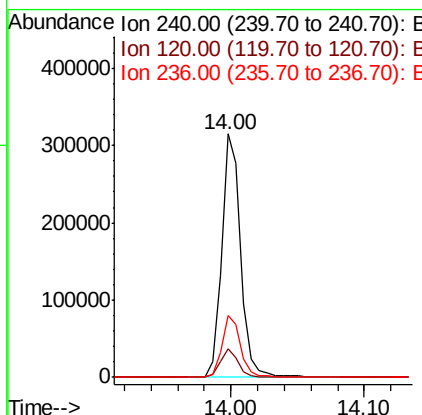
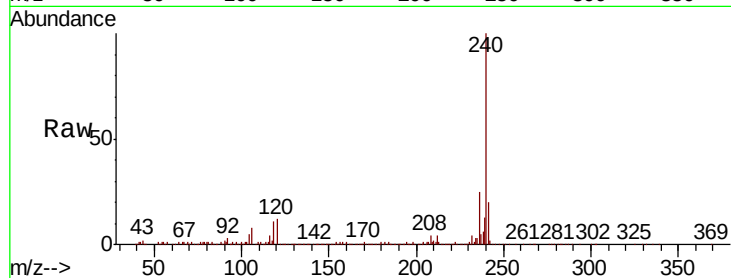




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112405.D
Acq: 5 Feb 2019 19:32

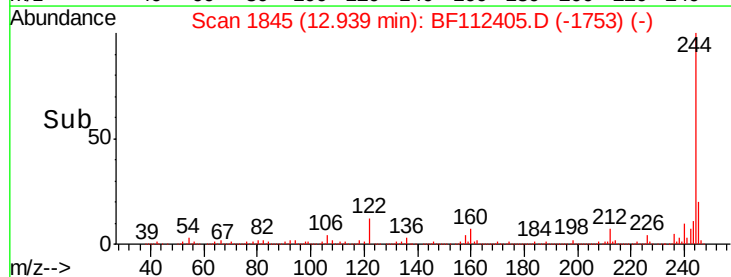
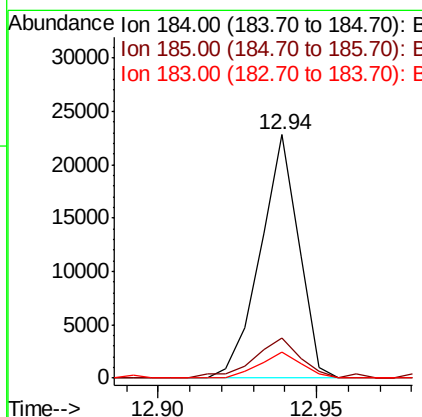
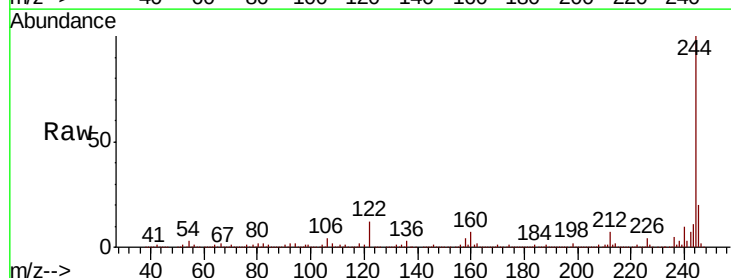
Instrument :
BNA_F
ClientSampleId :
HR-05-020419-B

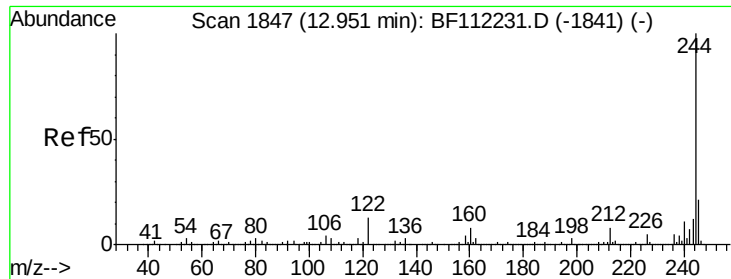
Tgt Ion:240 Resp: 314123
Ion Ratio Lower Upper
240 100
120 11.8 9.0 13.6
236 25.4 20.7 31.1



#77
Benzidine
Concen: 2.228 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.24 min
Lab File: BF112405.D
Acq: 5 Feb 2019 19:32

Tgt Ion:184 Resp: 19259
Ion Ratio Lower Upper
184 100
185 16.7 13.9 20.9
183 10.6 10.0 15.0

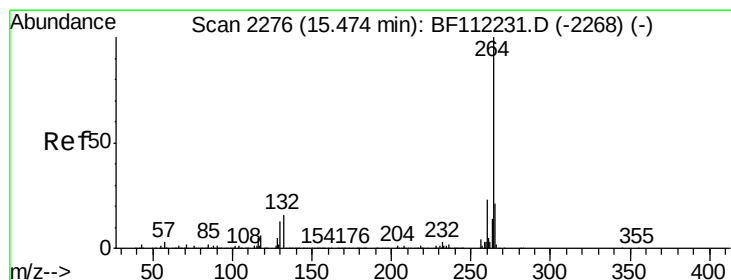
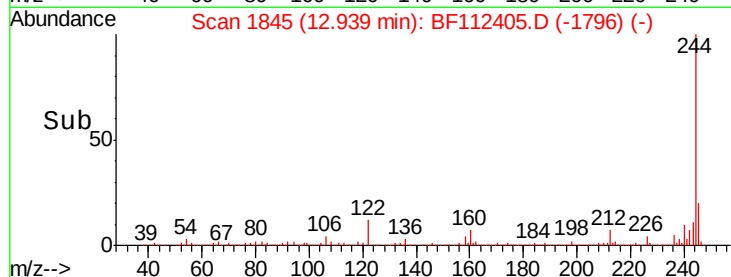
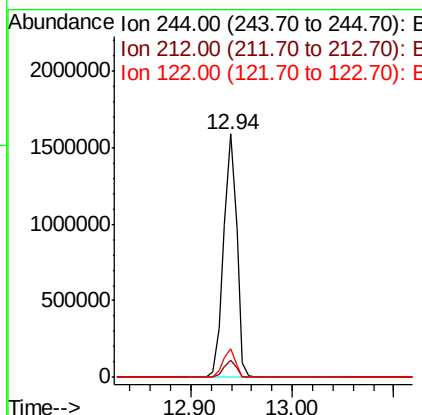
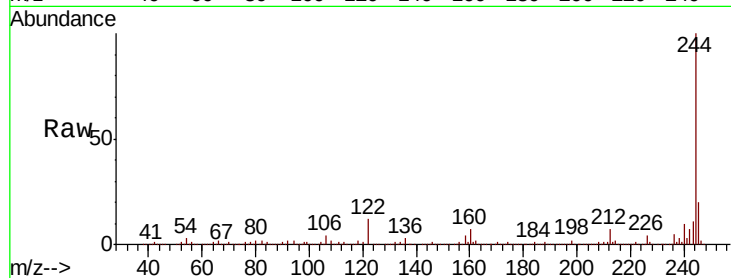




#79
 Terphenyl-d14
 Concen: 85.914 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112405.D
 Acq: 5 Feb 2019 19:32

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

Tgt Ion:244 Resp: 1432875
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 11.5 9.8 14.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF112405.D
 Acq: 5 Feb 2019 19:32

Tgt Ion:264 Resp: 250605
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.2 27.2
 265 21.6 17.0 25.4

