

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020519\
 Data File : BF112407.D
 Acq On : 5 Feb 2019 20:27
 Operator : JU/SJ
 Sample : K1346-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-020419-A

Quant Time: Feb 05 22:30:41 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

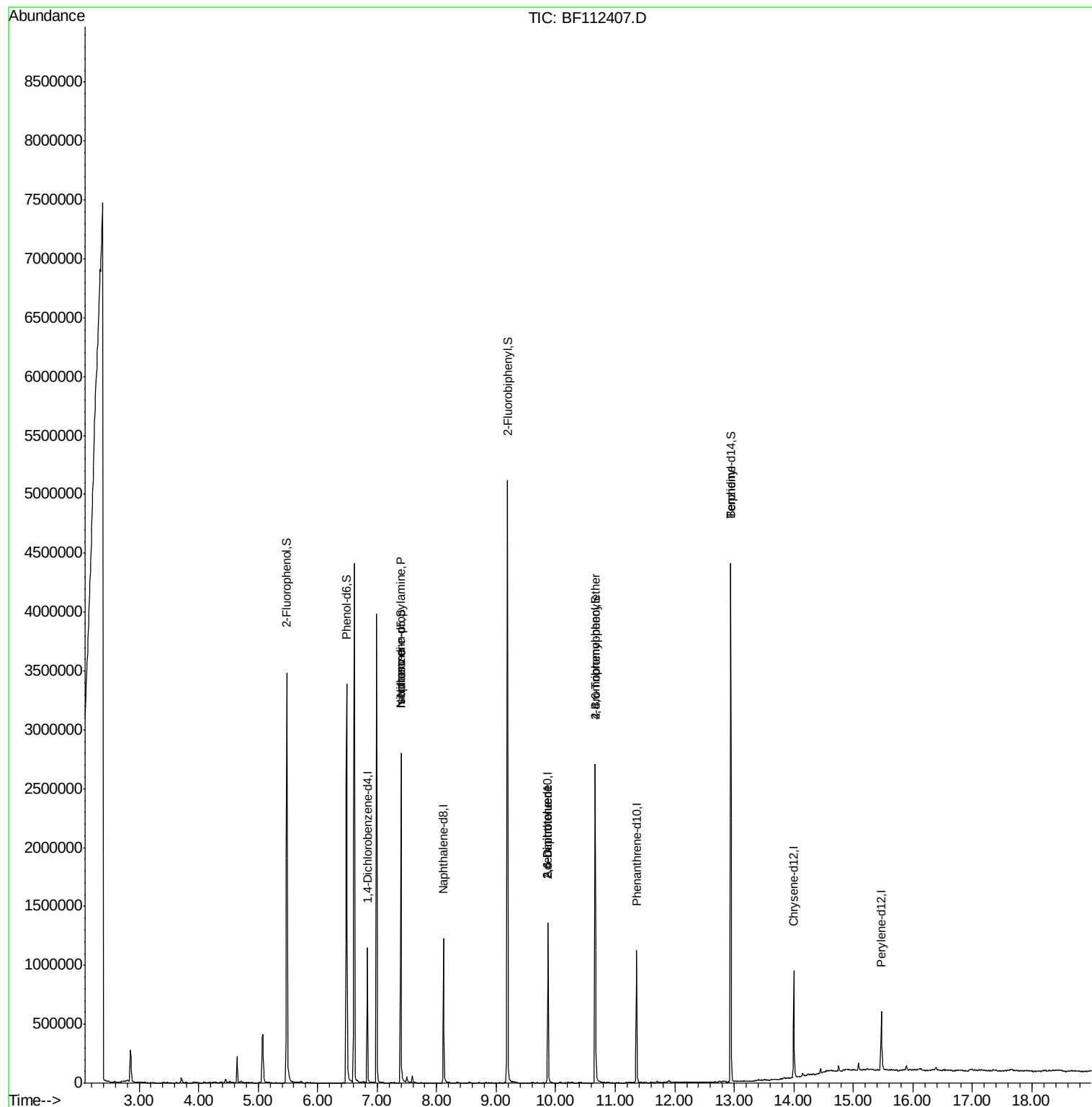
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	170161	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	614952	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	266561	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	432689	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	317072	20.00	ng	-0.01
87) Perylene-d12	15.47	264	243368	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1078940	134.68	ng	0.00
7) Phenol-d6	6.49	99	1190051	106.91	ng	0.00
23) Nitrobenzene-d5	7.40	82	904827	84.78	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	371278	119.66	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1753568	93.04	ng	-0.01
79) Terphenyl-d14	12.94	244	1470533	87.35	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	125462	16.345	ng	# 74
25) Isophorone	7.40	82	904813	54.041	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	34052	7.341	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	34052	5.767	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	22117	4.346	ng	# 1
77) Benzidine	12.94	184	19429	2.226	ng	# 94

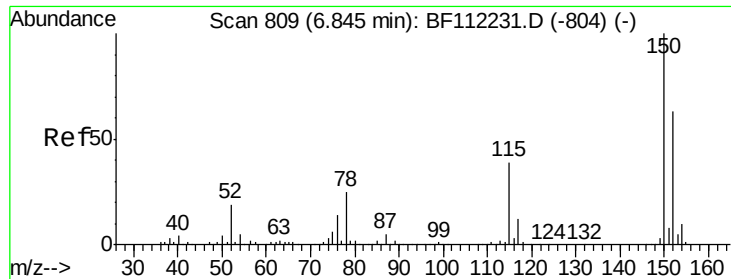
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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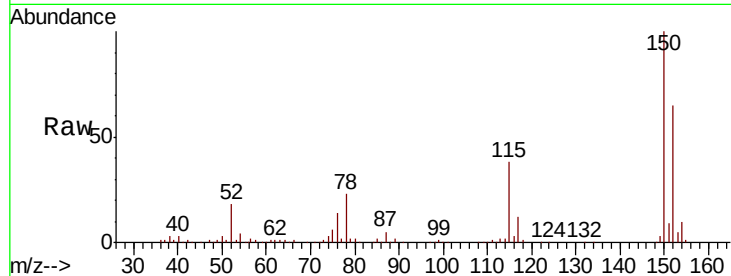


#1

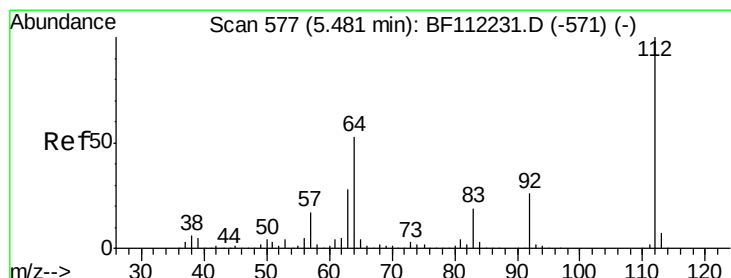
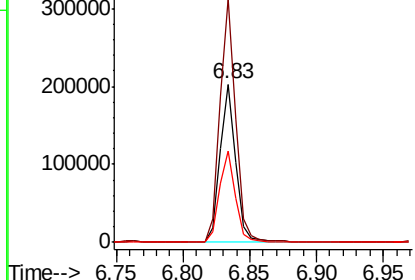
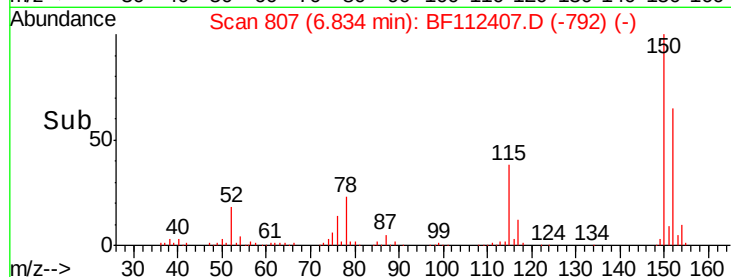
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112407.D
 Acq: 5 Feb 2019 20:27

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-020419-A

Tgt Ion:152 Resp: 170161
 Ion Ratio Lower Upper
 152 100
 150 153.9 127.4 191.0
 115 58.0 45.5 68.3



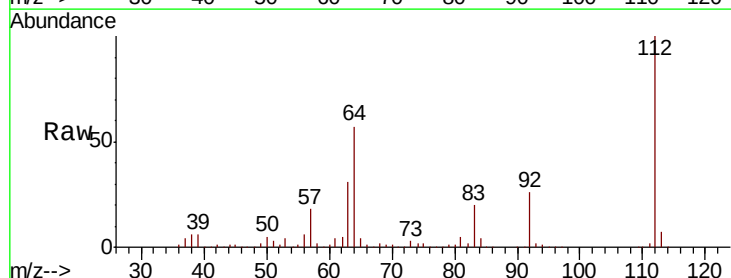
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



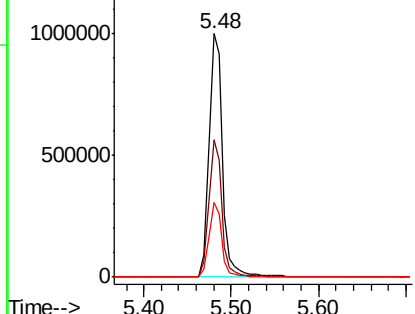
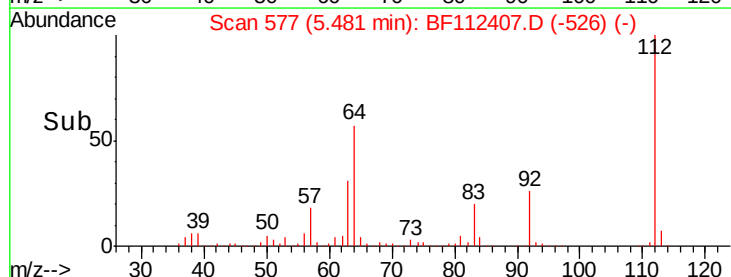
#5

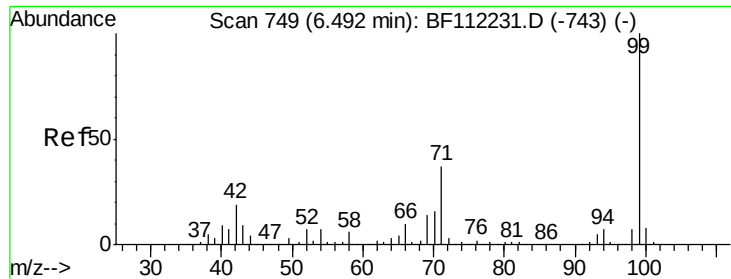
2-Fluorophenol
 Concen: 134.681 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: BF112407.D
 Acq: 5 Feb 2019 20:27

Tgt Ion:112 Resp: 1078940
 Ion Ratio Lower Upper
 112 100
 64 56.5 45.7 68.5
 63 30.7 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: 106.905 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112407.D

Acq: 5 Feb 2019 20:27

Instrument :

BNA_F

ClientSampleId :

CL-02-020419-A

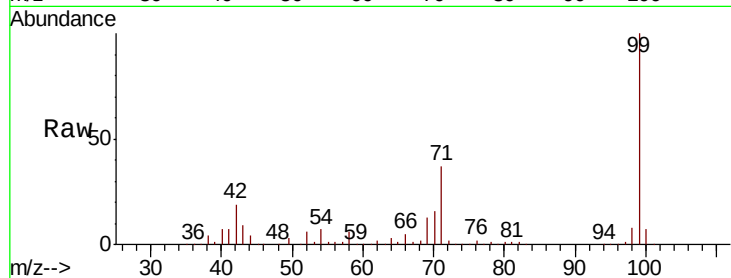
Tgt Ion: 99 Resp: 1190051

Ion Ratio Lower Upper

99 100

42 18.6 15.1 22.7

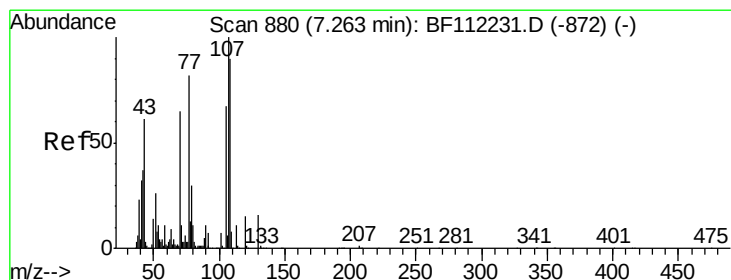
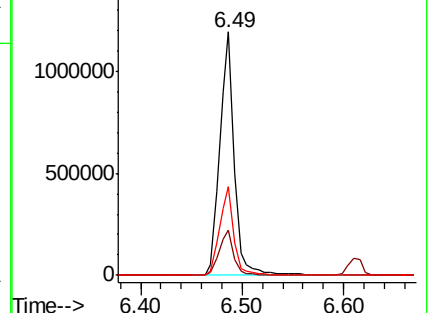
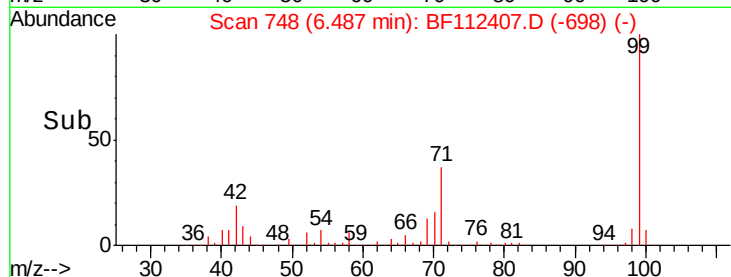
71 36.7 26.9 40.3



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: 16.345 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112407.D

Acq: 5 Feb 2019 20:27

Tgt Ion: 70 Resp: 125462

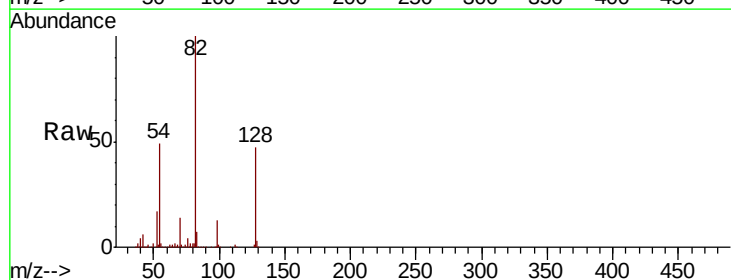
Ion Ratio Lower Upper

70 100

42 45.5 47.6 71.4#

101 0.0 7.9 11.9#

130 2.2 18.4 27.6#

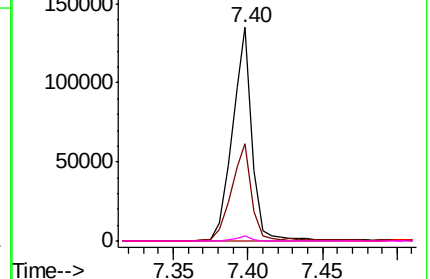
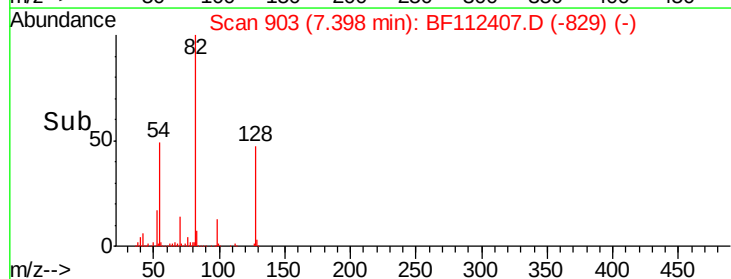


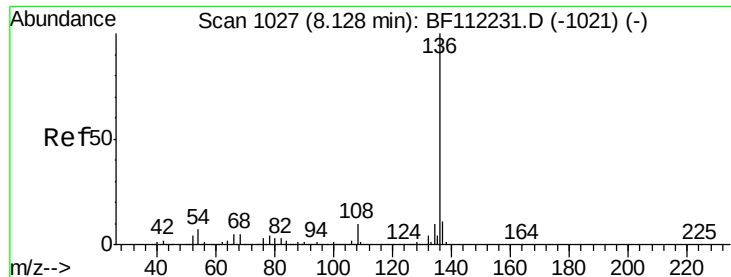
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

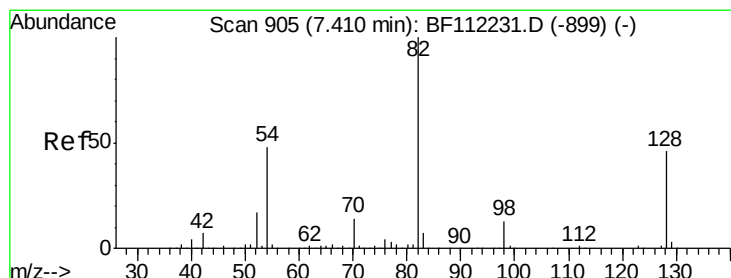
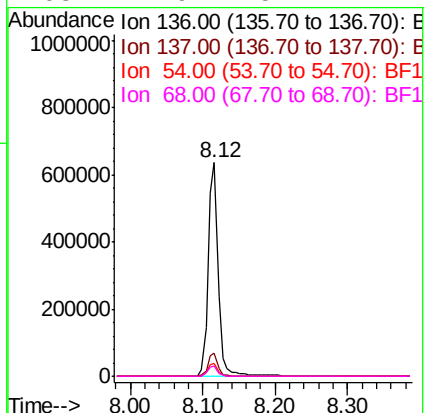
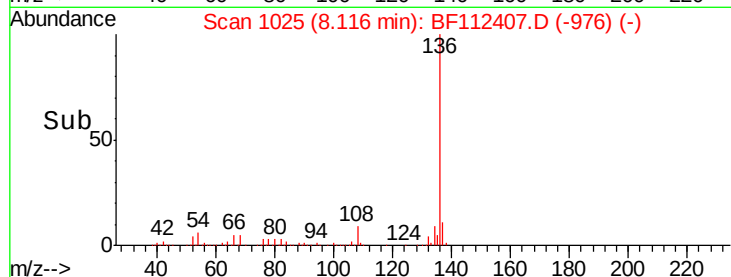
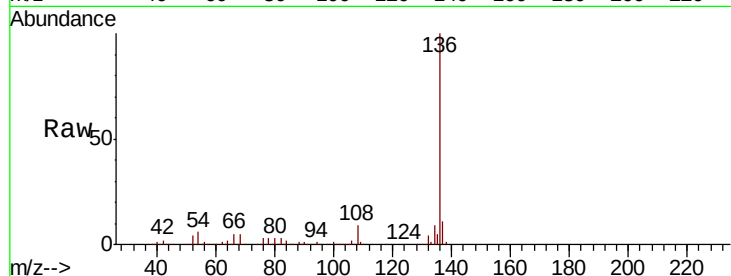




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112407.D
Acq: 5 Feb 2019 20:27

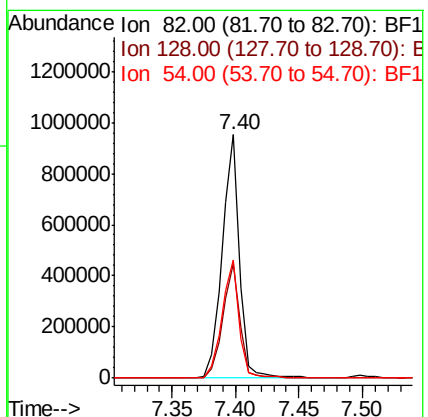
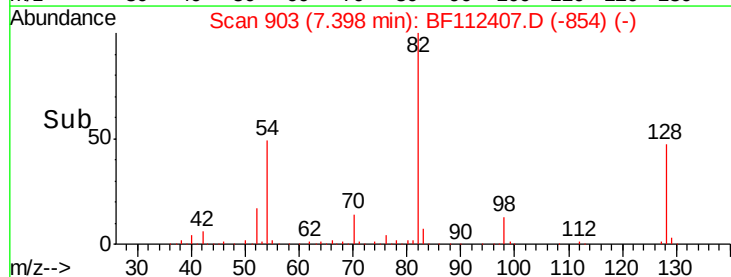
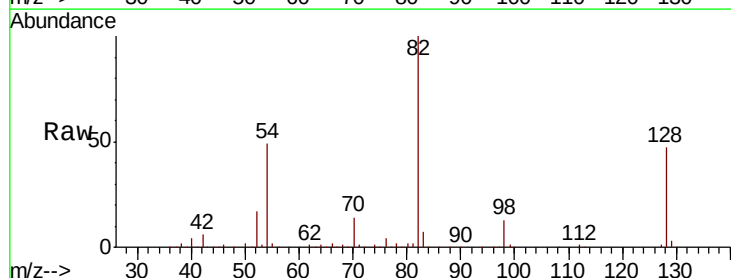
Instrument :
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CL-02-020419-A

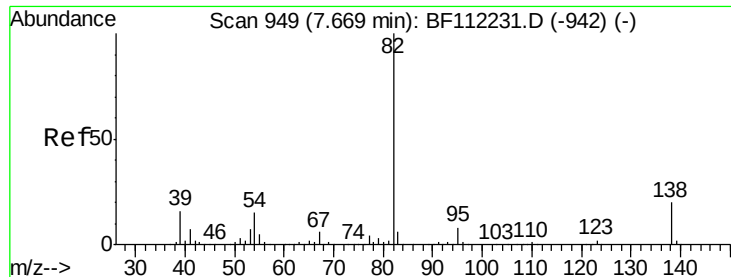
Tgt Ion:	136	Resp:	614952
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.8	5.9	8.9#
68	4.9	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 84.781 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112407.D
Acq: 5 Feb 2019 20:27

Tgt Ion:	82	Resp:	904827
Ion	Ratio	Lower	Upper
82	100		
128	46.9	37.8	56.8
54	48.6	39.7	59.5





#25

Isophorone

Concen: 54.041 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112407.D

Acq: 5 Feb 2019 20:27

Instrument :

BNA_F

ClientSampleId :

CL-02-020419-A

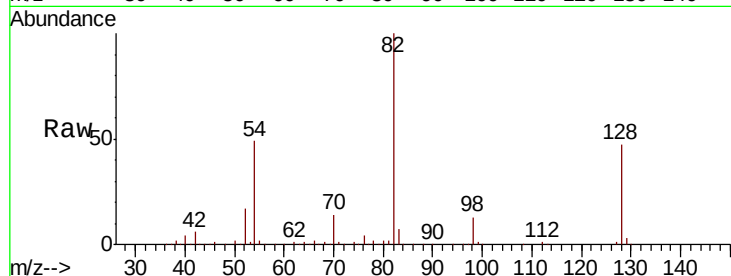
Tgt Ion: 82 Resp: 904813

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

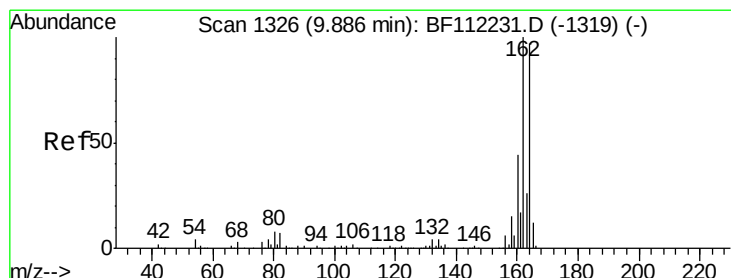
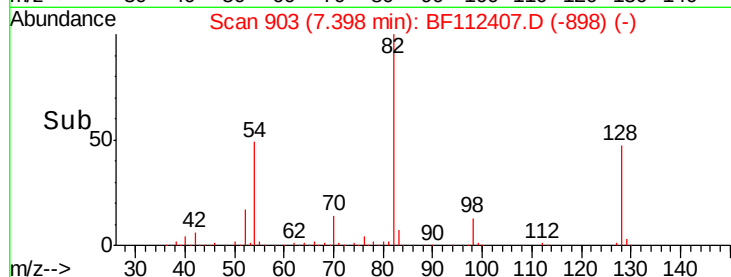
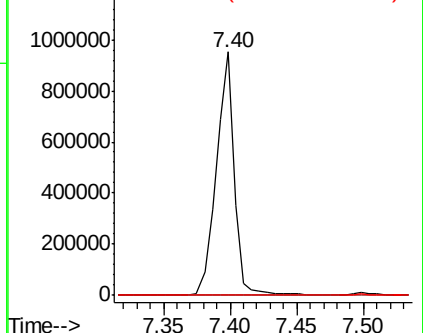
138 0.0 15.4 23.0#



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: BF112407.D

Acq: 5 Feb 2019 20:27

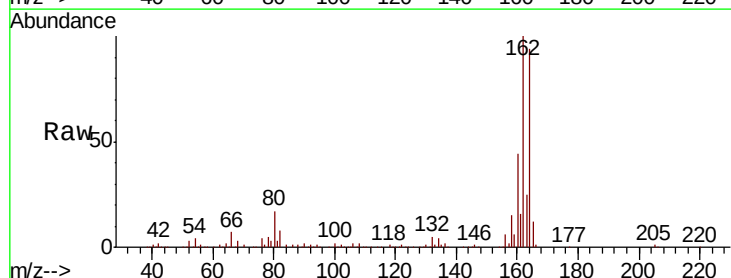
Tgt Ion: 164 Resp: 266561

Ion Ratio Lower Upper

164 100

162 106.1 82.2 123.4

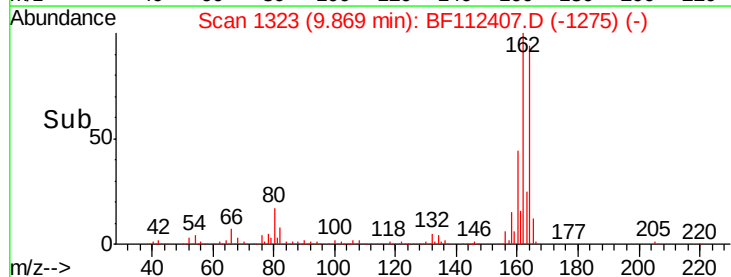
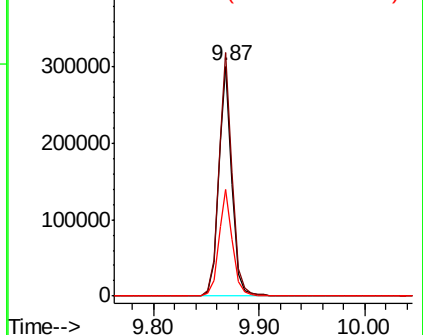
160 46.5 36.2 54.4

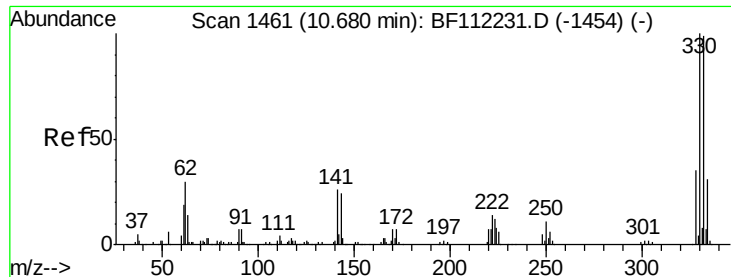


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 119.663 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112407.D

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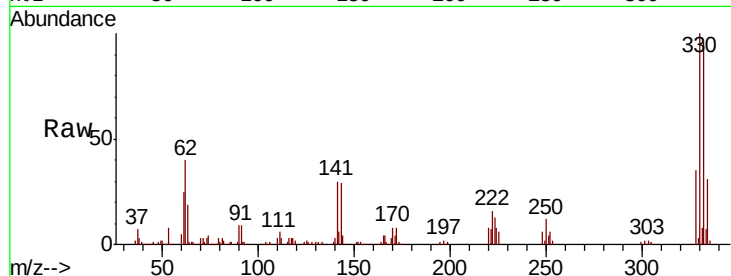
Tgt Ion:330 Resp: 371278

Ion Ratio Lower Upper

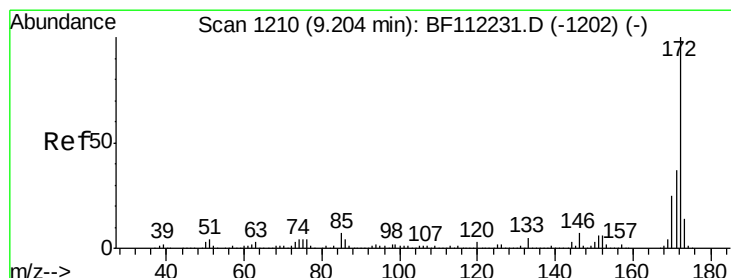
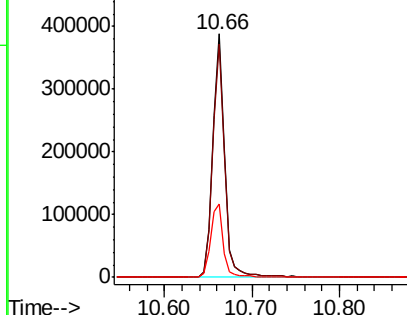
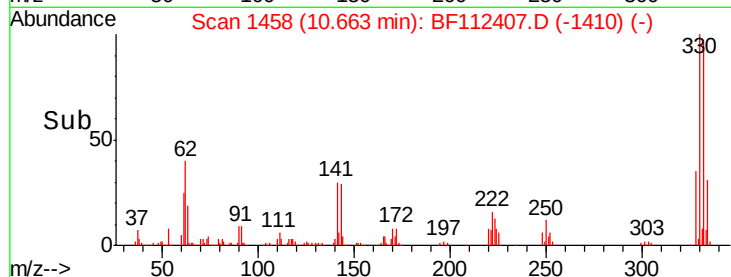
330 100

332 95.8 76.6 114.8

141 31.7 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: 93.042 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112407.D

Acq: 5 Feb 2019 20:27

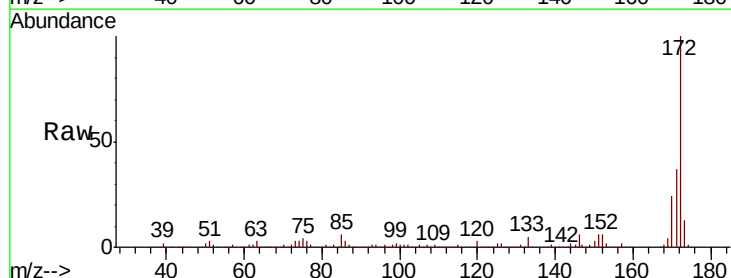
Tgt Ion:172 Resp: 1753568

Ion Ratio Lower Upper

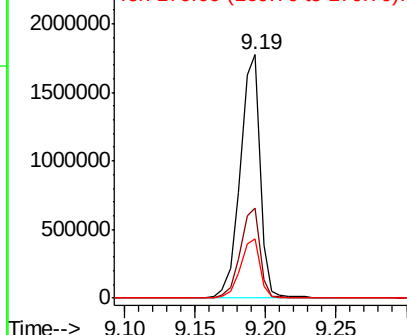
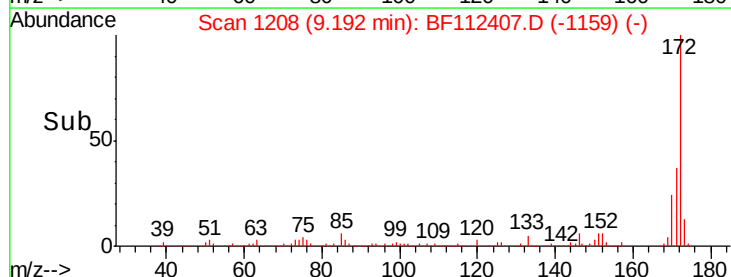
172 100

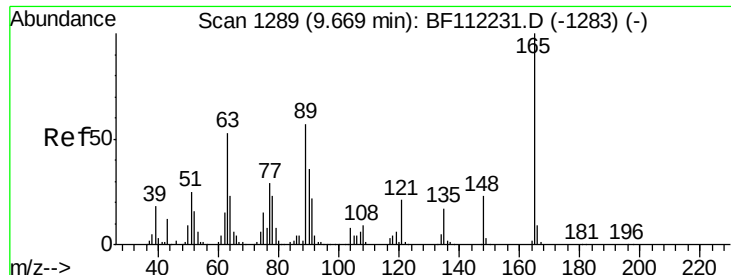
171 36.9 30.5 45.7

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

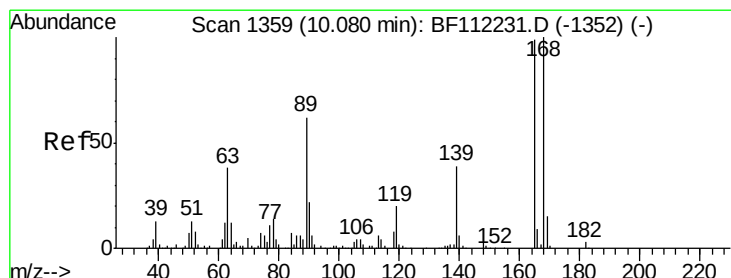
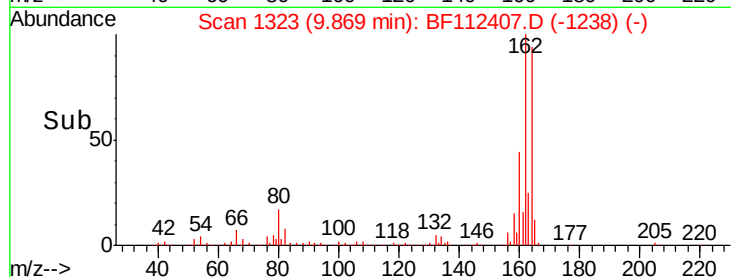
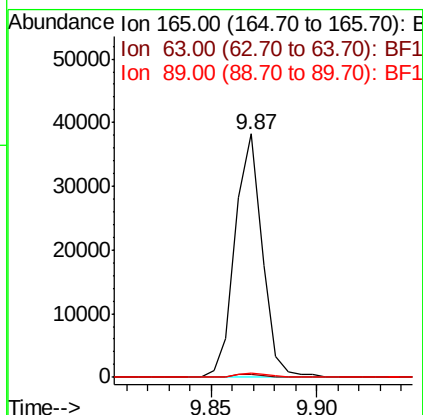
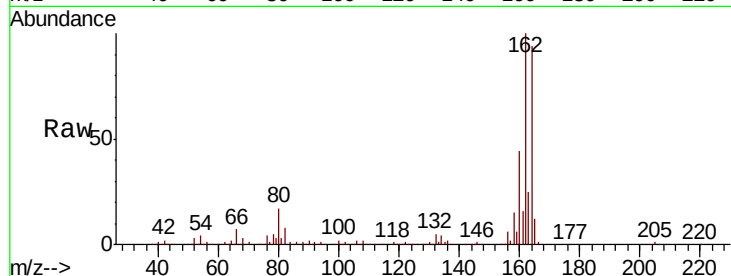




#51
 2,6-Dinitrotoluene
 Concen: 7.341 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112407.D
 Acq: 5 Feb 2019 20:27

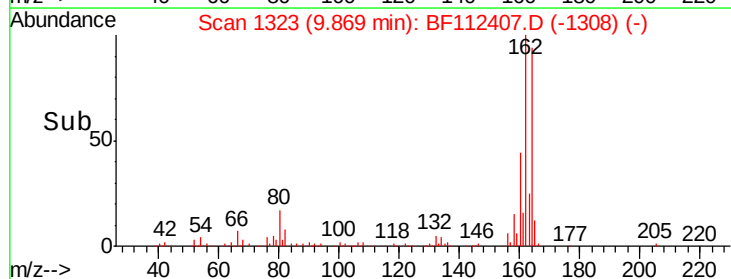
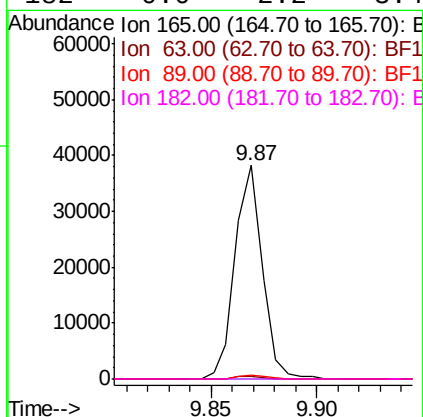
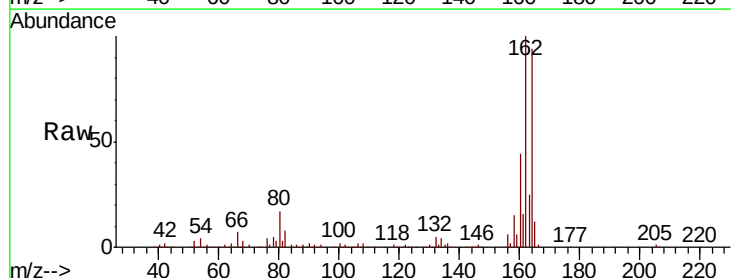
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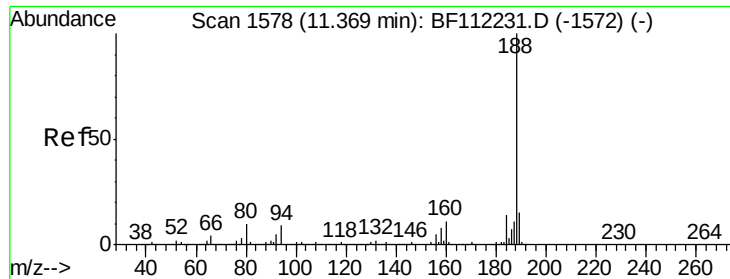
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.8	50.8#
89	1.8	36.9	55.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.767 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112407.D
 Acq: 5 Feb 2019 20:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.9	41.9#
89	1.8	47.9	71.9#
182	0.0	2.2	3.4#

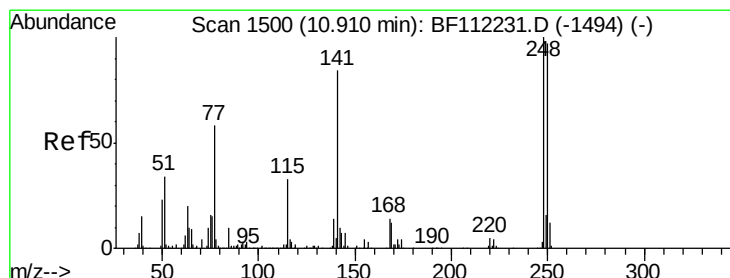
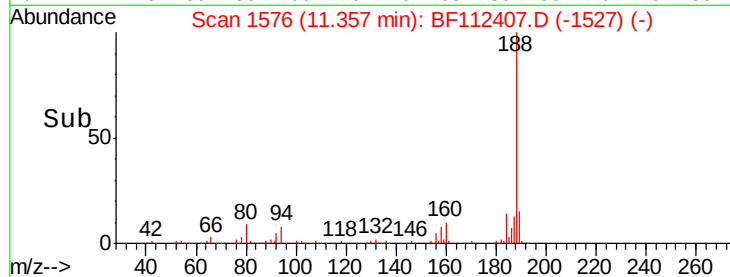
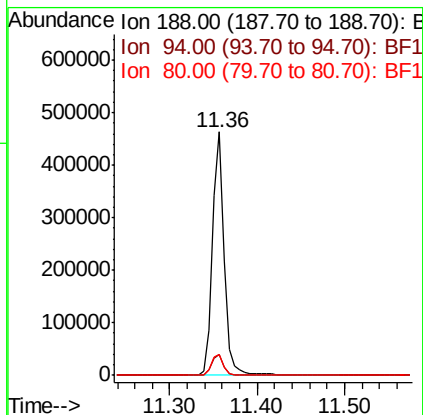
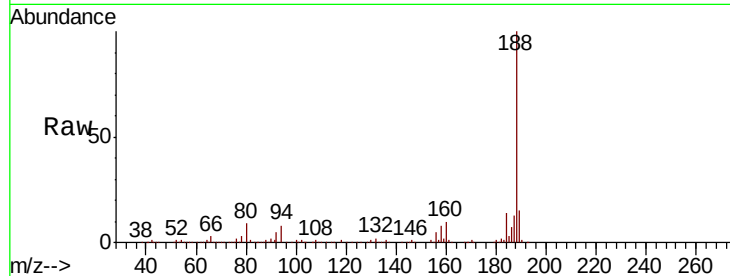




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112407.D
Acq: 5 Feb 2019 20:27

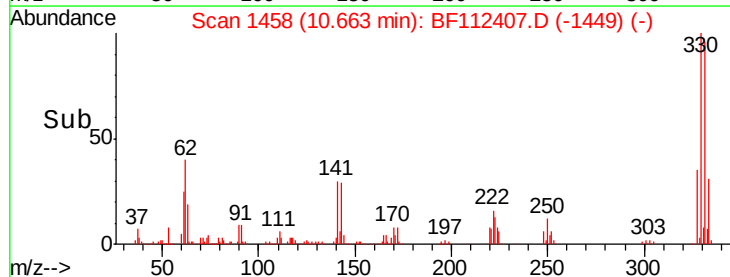
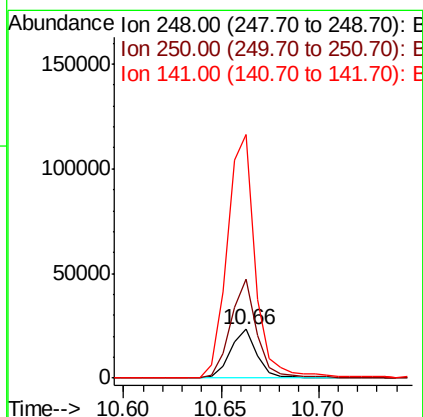
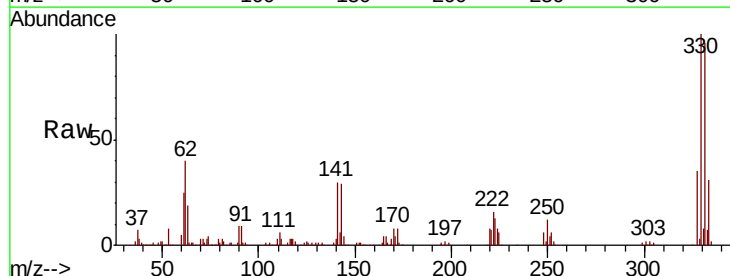
Instrument :
BNA_F
ClientSampleId :
CL-02-020419-A

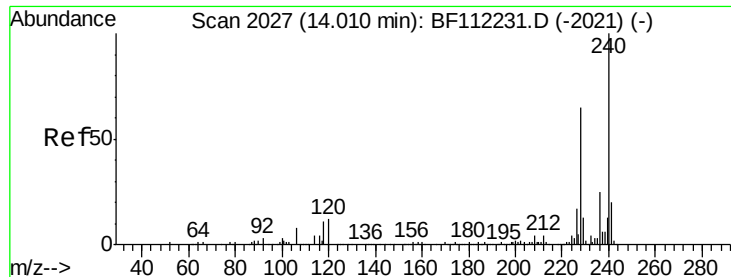
Tgt Ion:188 Resp: 432689
Ion Ratio Lower Upper
188 100
94 8.3 8.2 12.2
80 8.5 8.9 13.3#



#67
4-Bromophenyl-phenylether
Concen: 4.346 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF112407.D
Acq: 5 Feb 2019 20:27

Tgt Ion:248 Resp: 22117
Ion Ratio Lower Upper
248 100
250 204.3 79.7 119.5#
141 499.3 60.3 90.5#

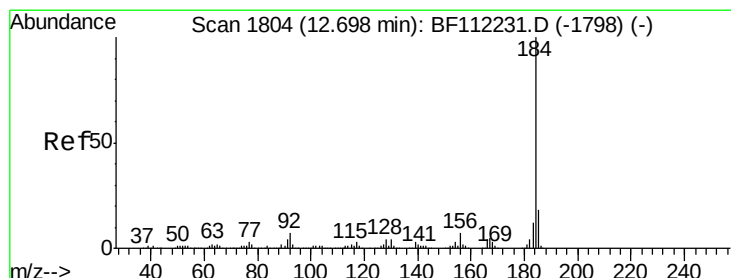
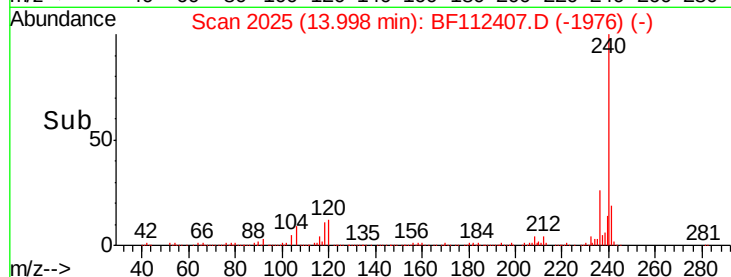
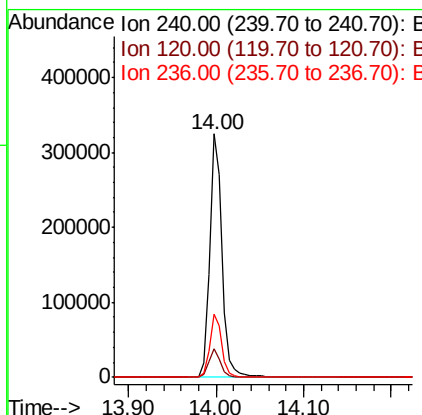
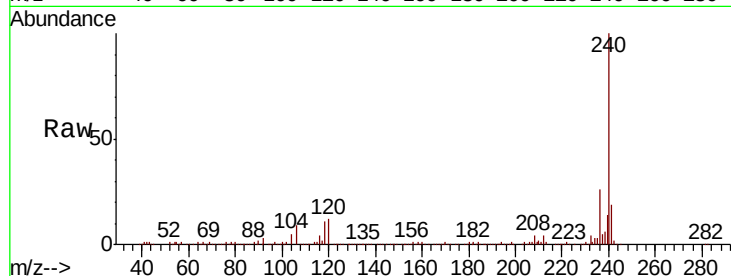




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112407.D
Acq: 5 Feb 2019 20:27

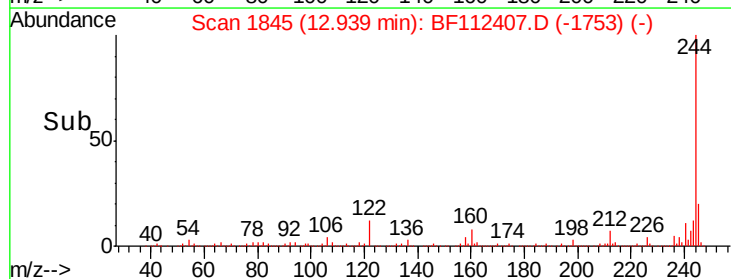
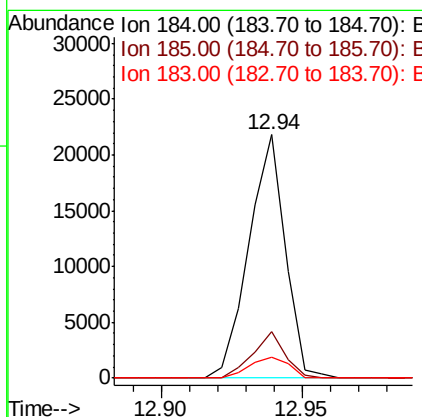
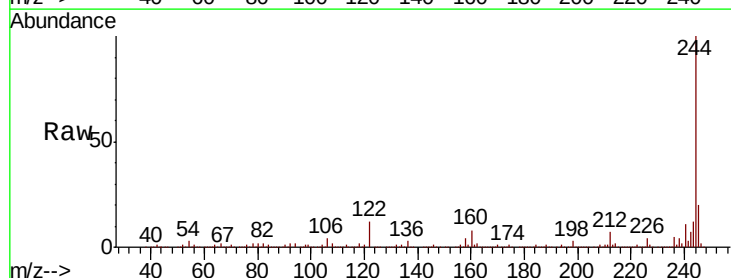
Instrument :
BNA_F
ClientSampleId :
CL-02-020419-A

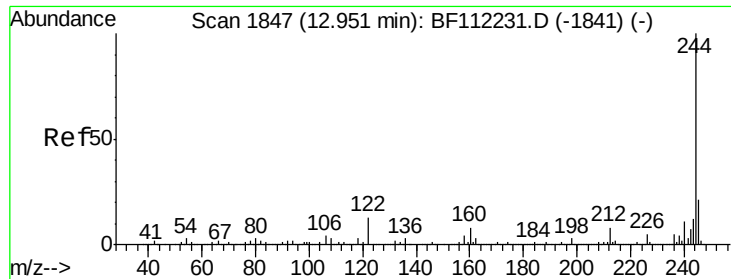
Tgt Ion:240 Resp: 317072
Ion Ratio Lower Upper
240 100
120 11.9 9.0 13.6
236 26.2 20.7 31.1



#77
Benzidine
Concen: 2.226 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.24 min
Lab File: BF112407.D
Acq: 5 Feb 2019 20:27

Tgt Ion:184 Resp: 19429
Ion Ratio Lower Upper
184 100
185 19.0 13.9 20.9
183 8.8 10.0 15.0#

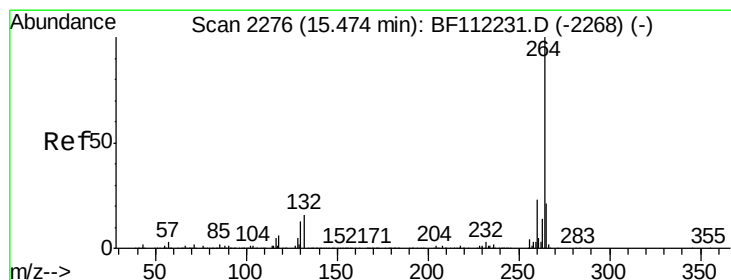
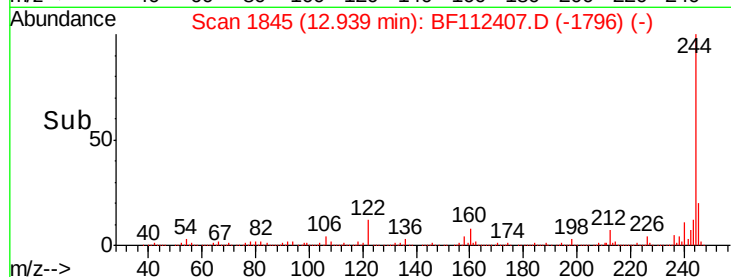
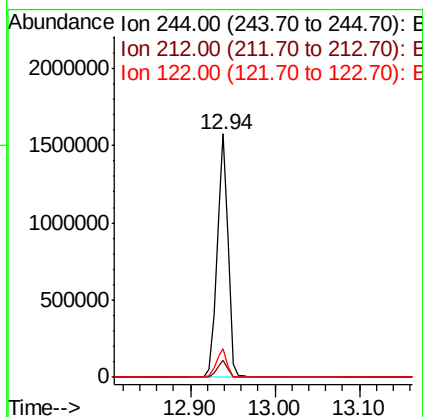
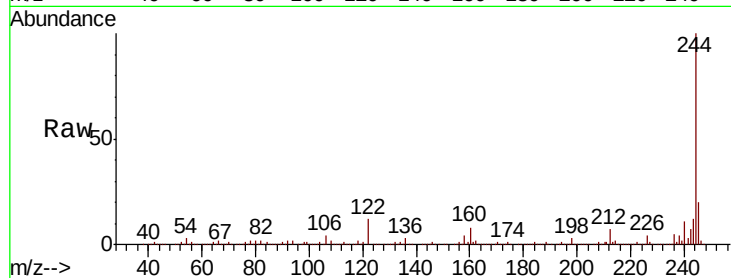




#79
 Terphenyl-d14
 Concen: 87.351 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112407.D
 Acq: 5 Feb 2019 20:27

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-020419-A

Tgt Ion:244 Resp: 1470533
 Ion Ratio Lower Upper
 244 100
 212 7.1 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: BF112407.D
 Acq: 5 Feb 2019 20:27

Tgt Ion:264 Resp: 243368
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.2 27.2
 265 21.7 17.0 25.4

