

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020519\
 Data File : BF112414.D
 Acq On : 5 Feb 2019 23:46
 Operator : JU/SJ
 Sample : K1341-06RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Feb 06 00:48:31 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

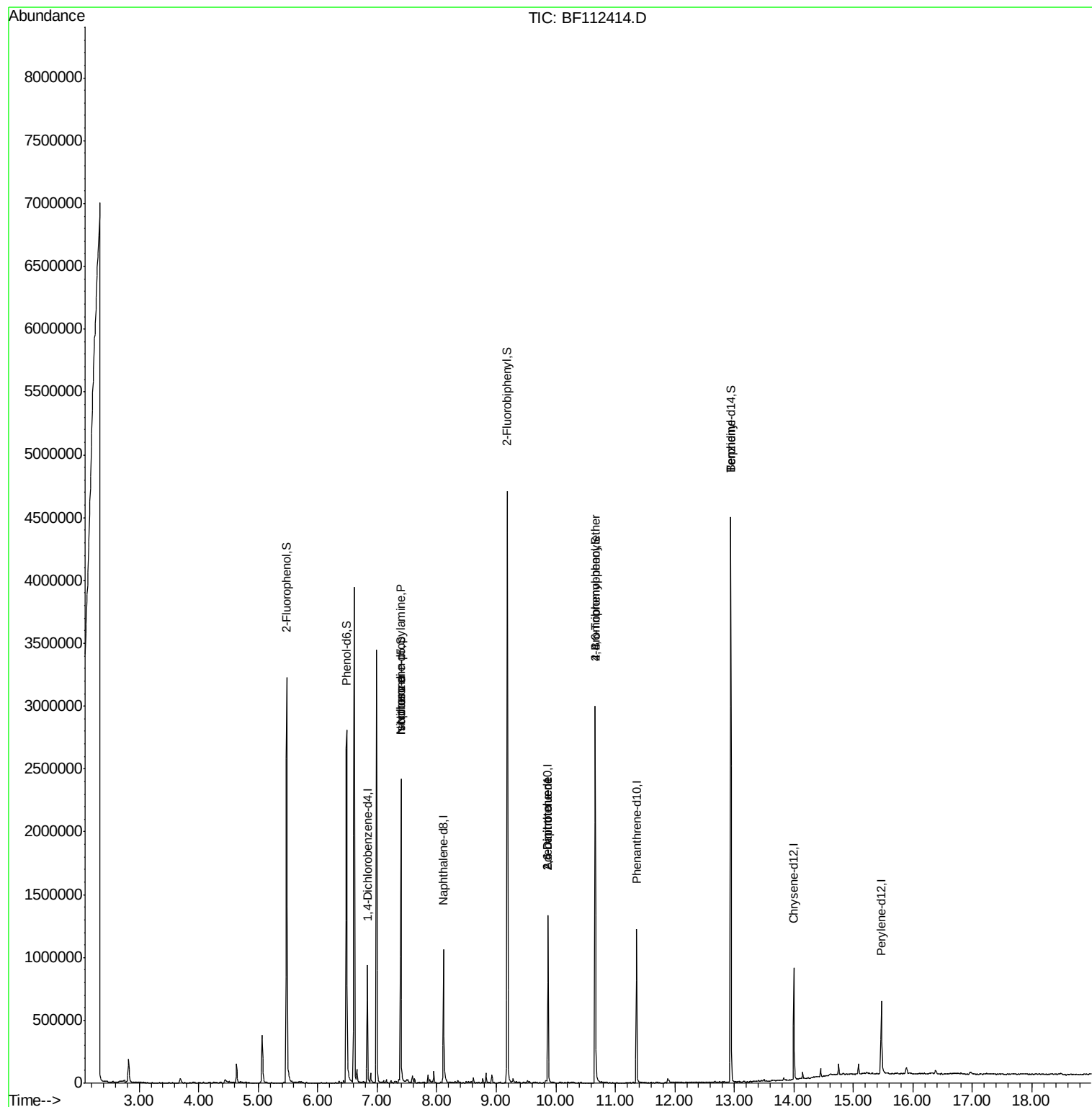
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	141751	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	533669	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	252731	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	441502	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	309143	20.00	ng	-0.01
87) Perylene-d12	15.47	264	276177	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	952035	142.66	ng	0.00
7) Phenol-d6	6.49	99	1081144	116.59	ng	0.00
23) Nitrobenzene-d5	7.40	82	807688	87.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	372253	126.54	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1606710	89.91	ng	-0.02
79) Terphenyl-d14	12.94	244	1495877	91.14	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	109937	17.193	ng	# 75
25) Isophorone	7.40	82	807677	55.587	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	31661	7.199	ng	# 35
57) 2,4-Dinitrotoluene	9.87	165	31661	5.655	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	23573	4.540	ng	# 1
77) Benzidine	12.94	184	19792	2.326	ng	96

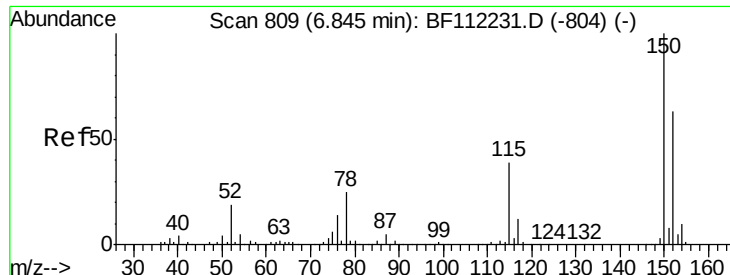
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 28 10:38:18 2019
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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: BF112414.D

Acq: 5 Feb 2019 23:46

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-C

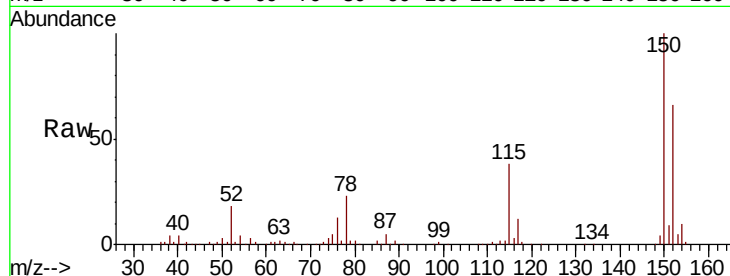
Tgt Ion:152 Resp: 141751

Ion Ratio Lower Upper

152 100

150 151.0 127.4 191.0

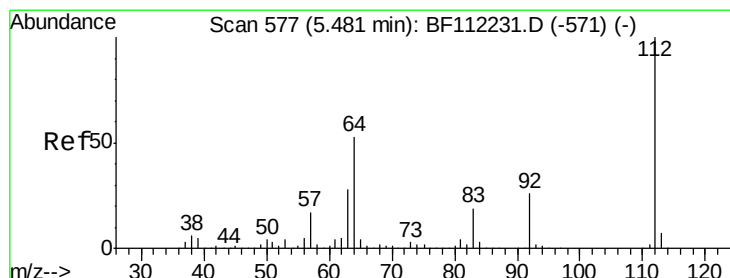
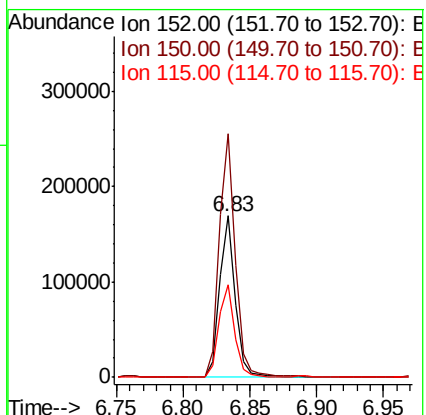
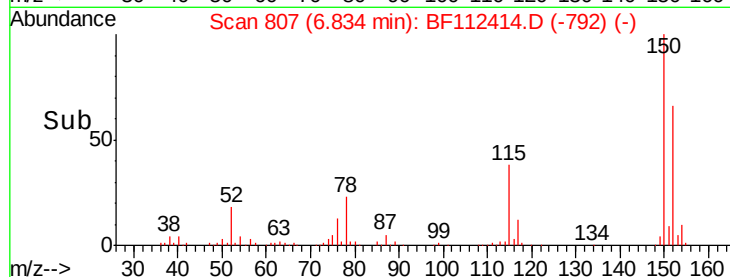
115 57.8 45.5 68.3



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: 142.658 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.00 min

Lab File: BF112414.D

Acq: 5 Feb 2019 23:46

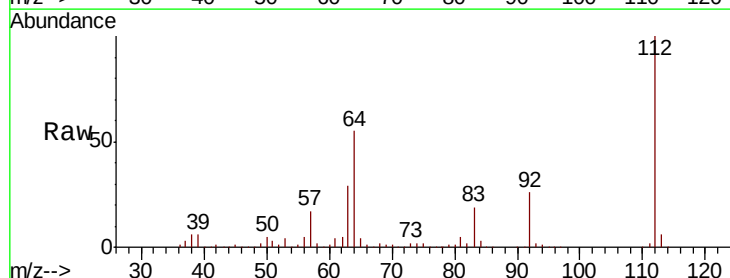
Tgt Ion:112 Resp: 952035

Ion Ratio Lower Upper

112 100

64 54.8 45.7 68.5

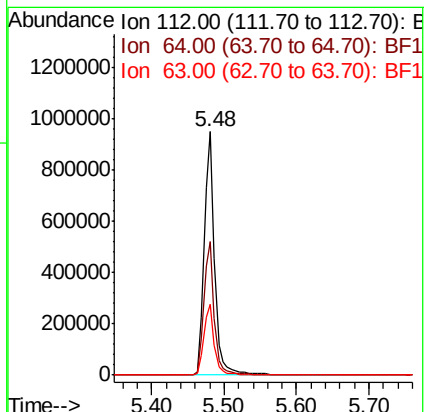
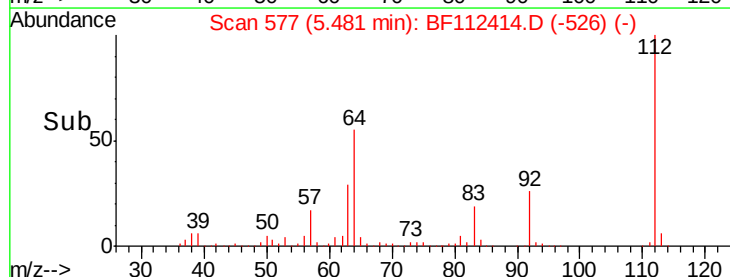
63 29.2 23.6 35.4

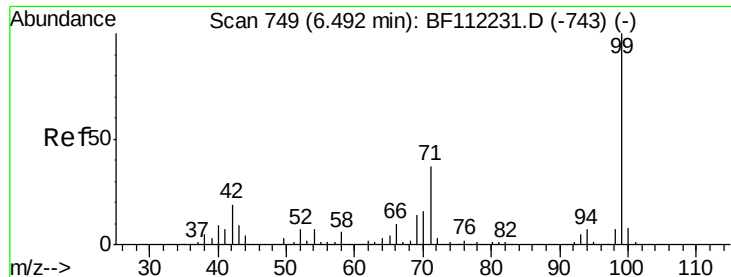


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 116.587 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112414.D

Acq: 5 Feb 2019 23:46

Instrument :

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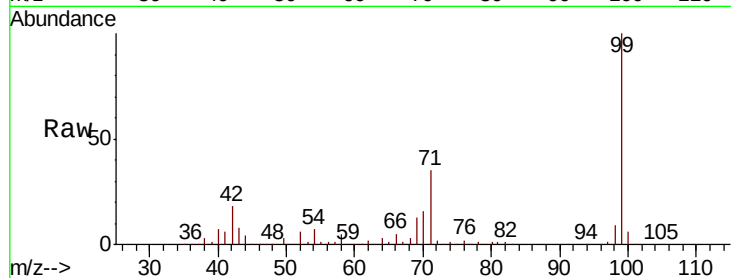
Tgt Ion: 99 Resp: 1081144

Ion Ratio Lower Upper

99 100

42 17.9 15.1 22.7

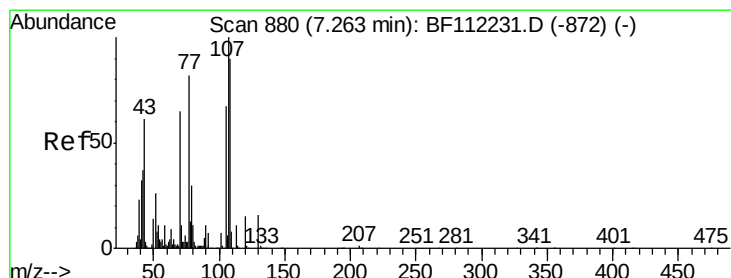
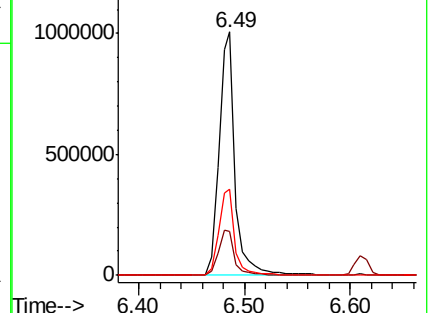
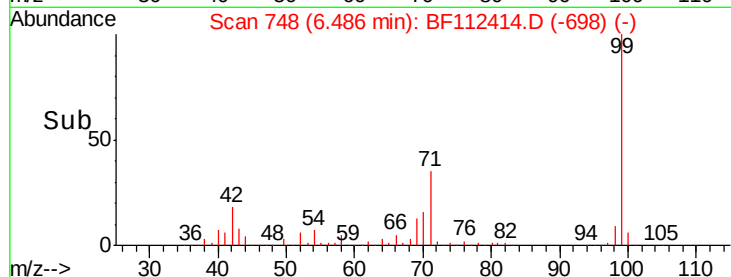
71 35.1 26.9 40.3



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: 17.193 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112414.D

Acq: 5 Feb 2019 23:46

Tgt Ion: 70 Resp: 109937

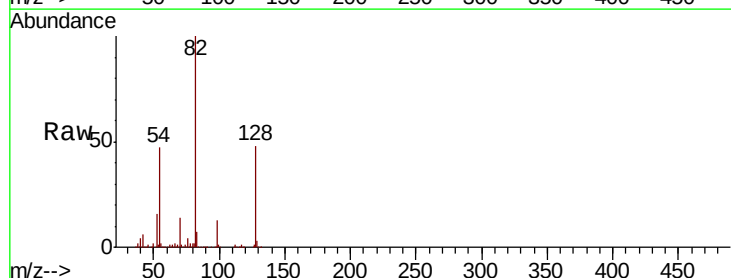
Ion Ratio Lower Upper

70 100

42 46.4 47.6 71.4#

101 0.0 7.9 11.9#

130 2.5 18.4 27.6#

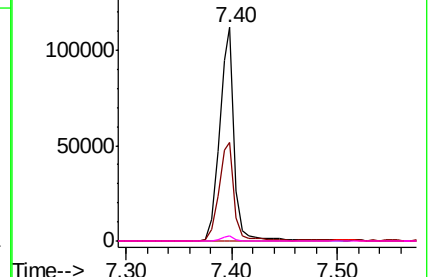
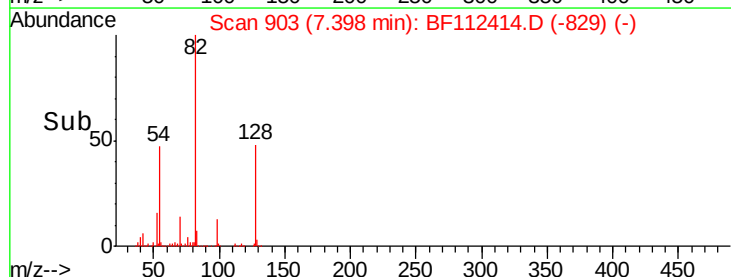


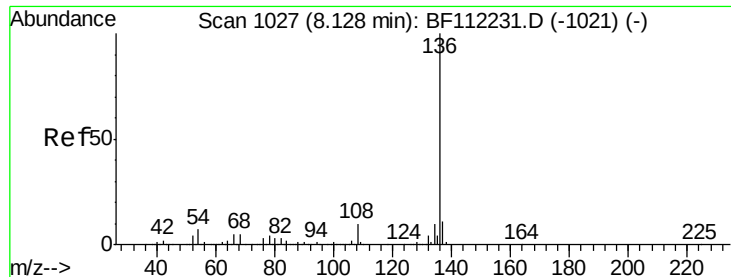
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

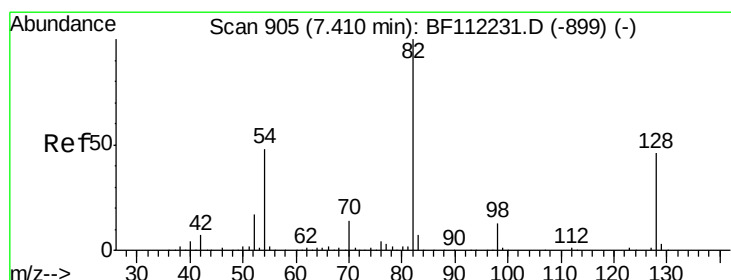
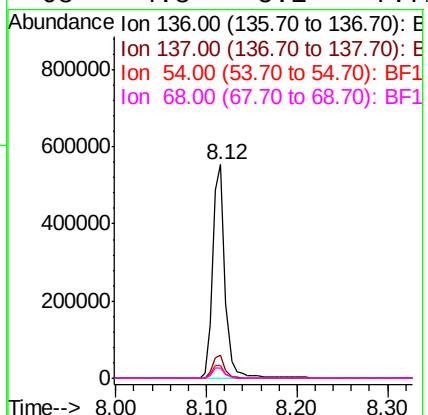
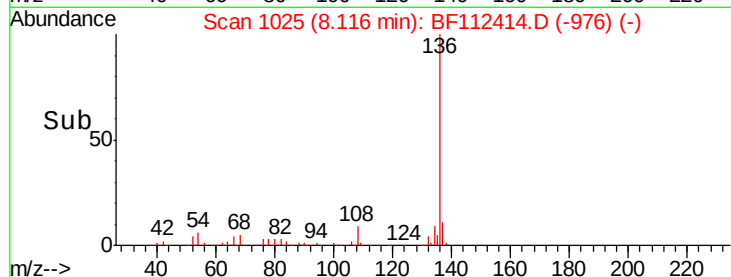
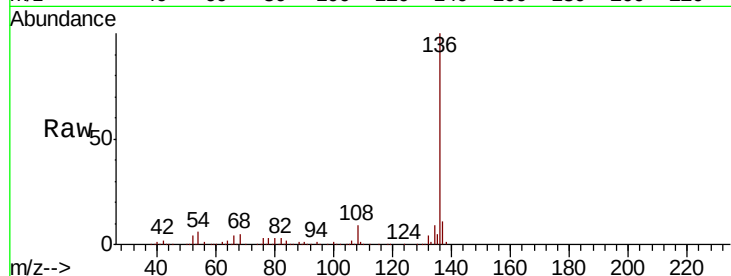




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112414.D
Acq: 5 Feb 2019 23:46

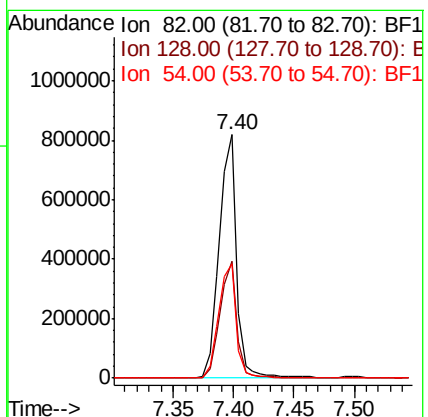
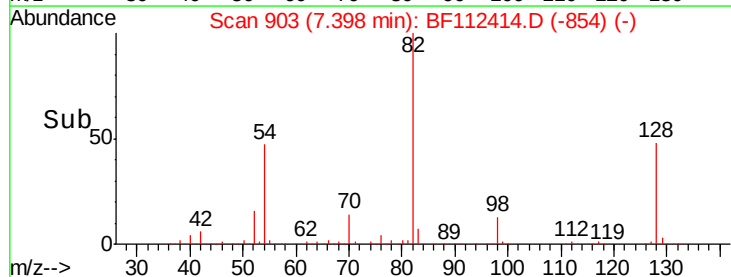
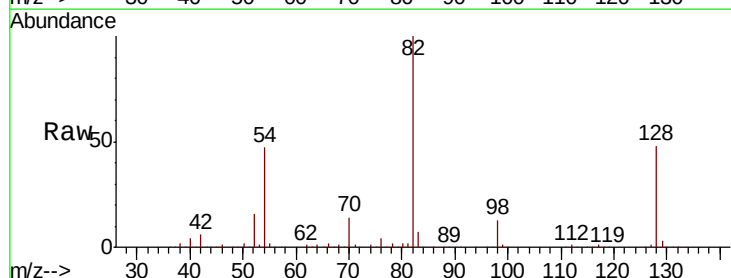
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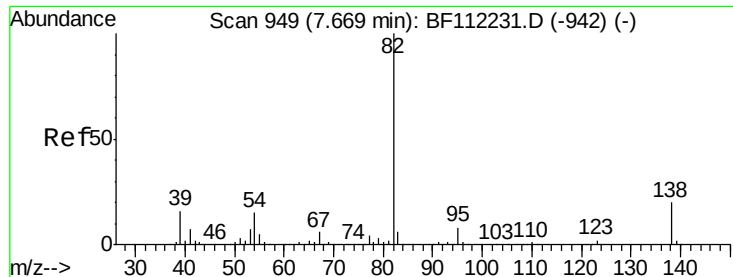
Tgt Ion:	136	Resp:	533669
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.7	5.9	8.9#
68	4.8	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 87.205 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112414.D
Acq: 5 Feb 2019 23:46

Tgt Ion:	82	Resp:	807688
Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.8	56.8
54	47.2	39.7	59.5

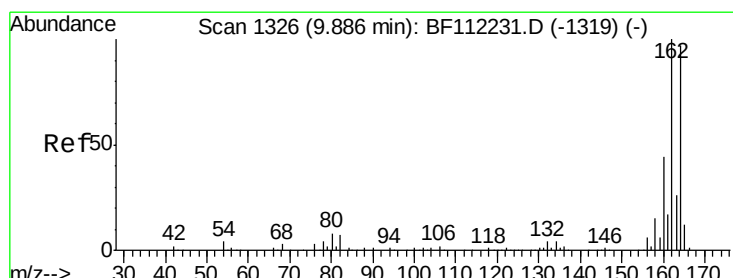
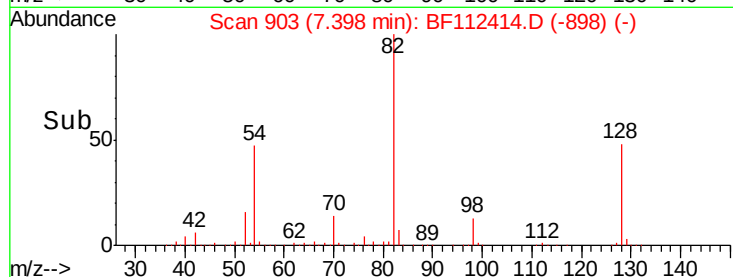
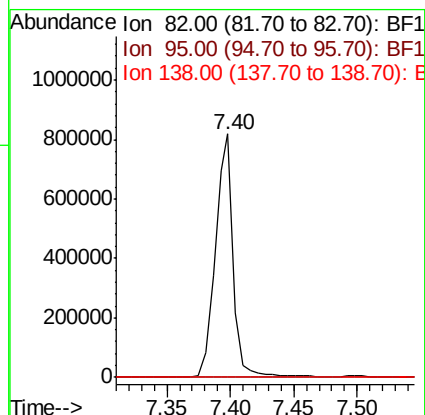
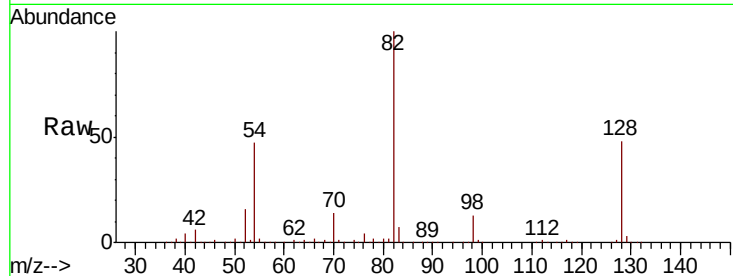




#25
Isophorone
Concen: 55.587 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF112414.D
Acq: 5 Feb 2019 23:46

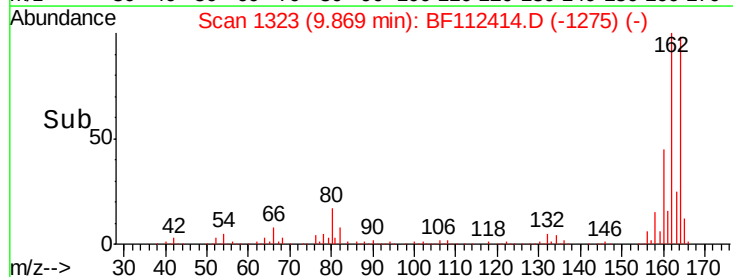
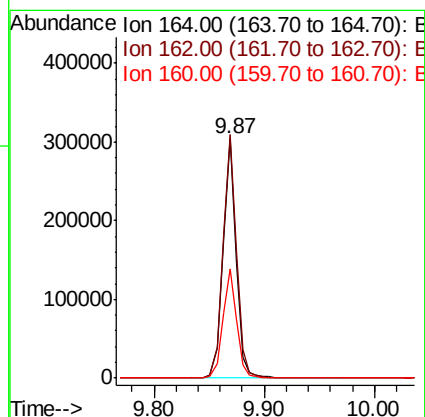
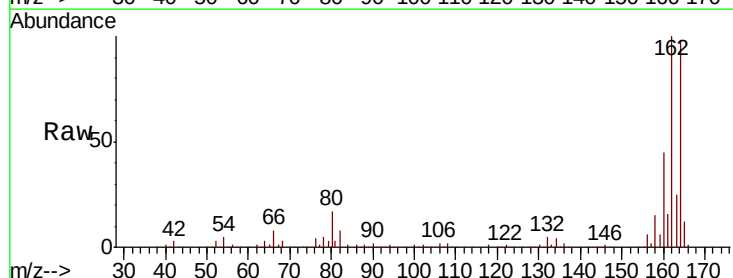
Instrument :
BNA_F
ClientSampleId :
HR-05-020419-C

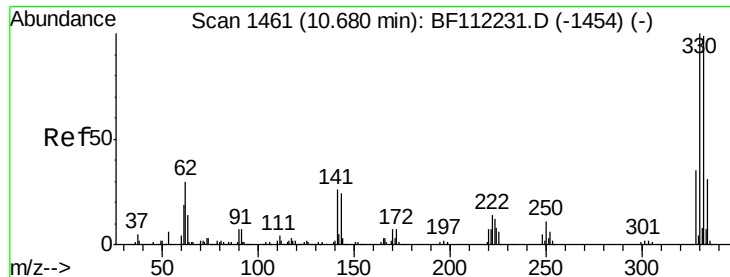
Tgt Ion: 82 Resp: 807677
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112414.D
Acq: 5 Feb 2019 23:46

Tgt Ion: 164 Resp: 252731
Ion Ratio Lower Upper
164 100
162 101.6 82.2 123.4
160 45.6 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 126.543 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112414.D

Acq: 5 Feb 2019 23:46

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-C

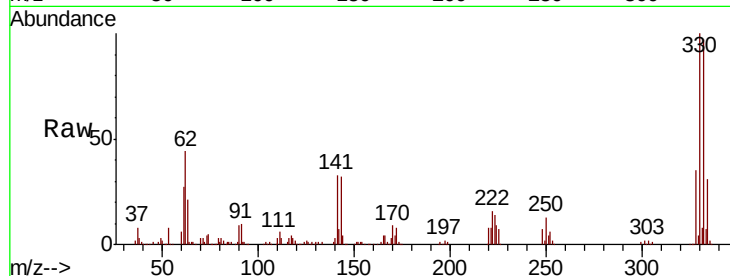
Tgt Ion:330 Resp: 372253

Ion Ratio Lower Upper

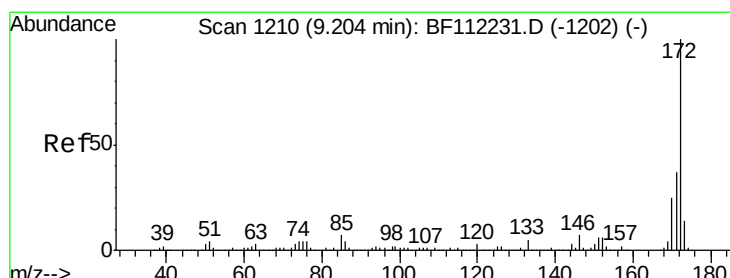
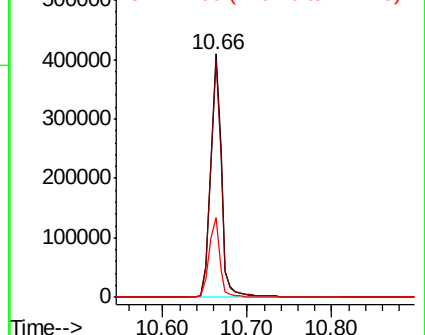
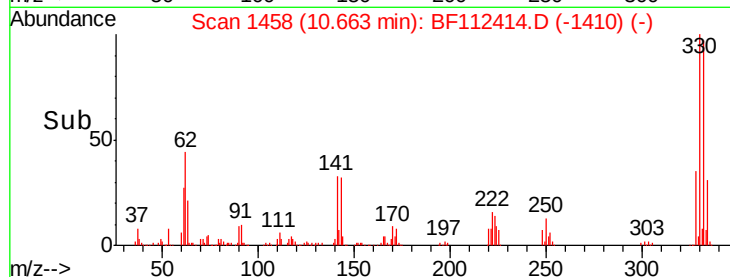
330 100

332 96.2 76.6 114.8

141 32.5 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: 89.915 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112414.D

Acq: 5 Feb 2019 23:46

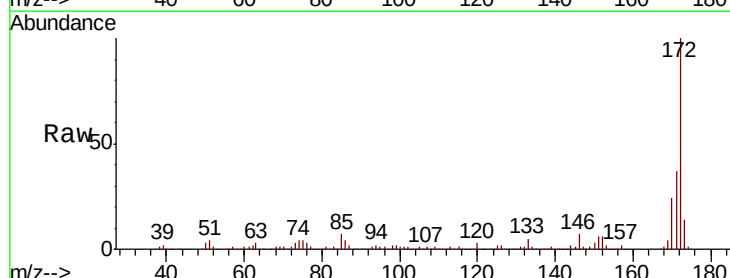
Tgt Ion:172 Resp: 1606710

Ion Ratio Lower Upper

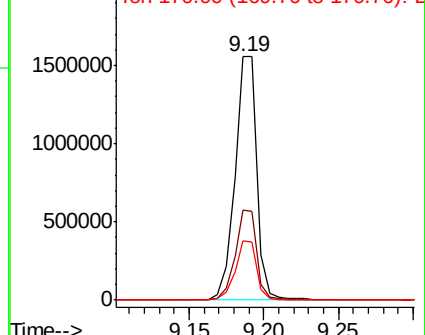
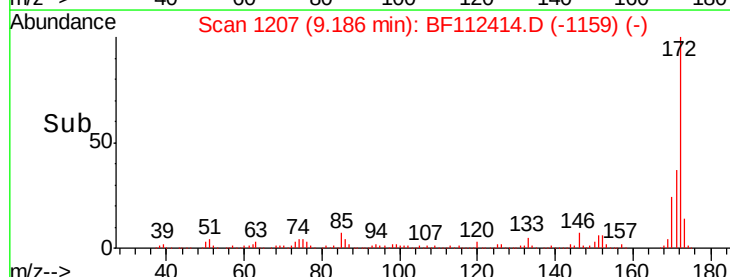
172 100

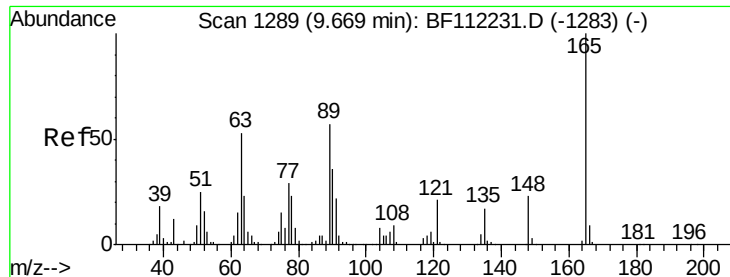
171 36.8 30.5 45.7

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: 7.199 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.20 min

Lab File: BF112414.D

Acq: 5 Feb 2019 23:46

Instrument :

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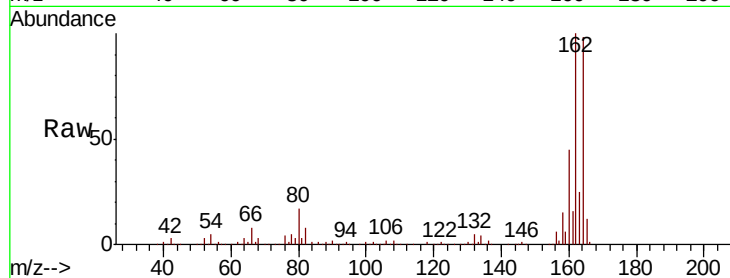
Tgt Ion:165 Resp: 31661

Ion Ratio Lower Upper

165 100

63 2.1 33.8 50.8#

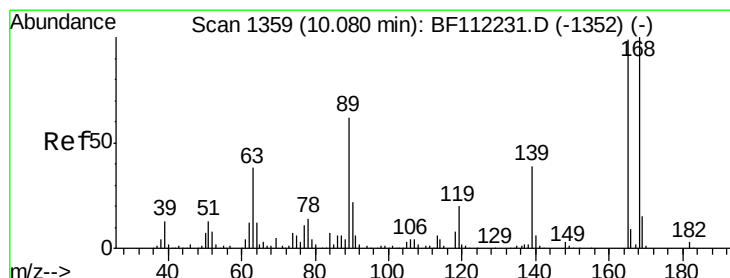
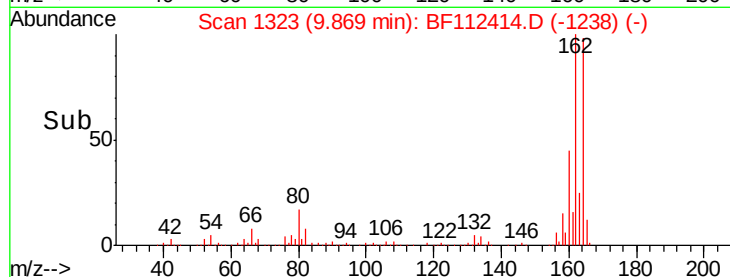
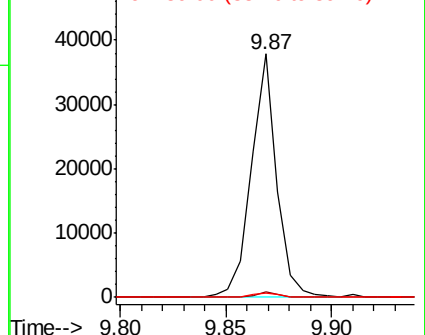
89 1.6 36.9 55.3#



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: 5.655 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112414.D

Acq: 5 Feb 2019 23:46

Tgt Ion:165 Resp: 31661

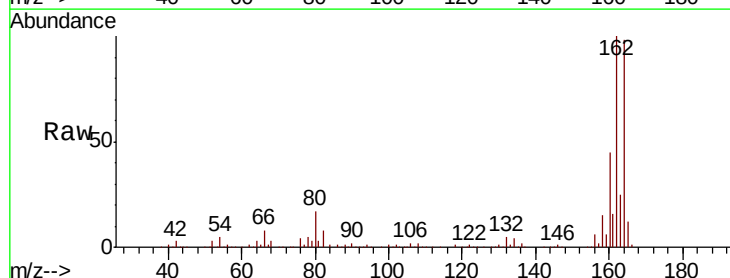
Ion Ratio Lower Upper

165 100

63 2.1 27.9 41.9#

89 1.6 47.9 71.9#

182 0.0 2.2 3.4#

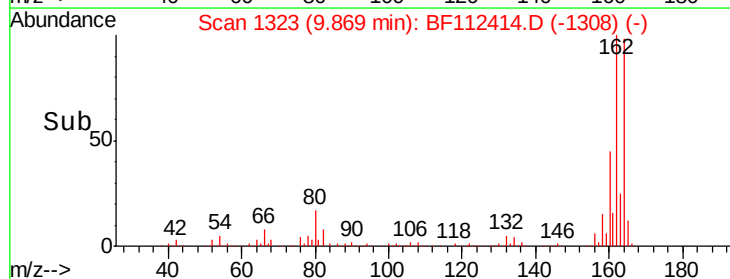
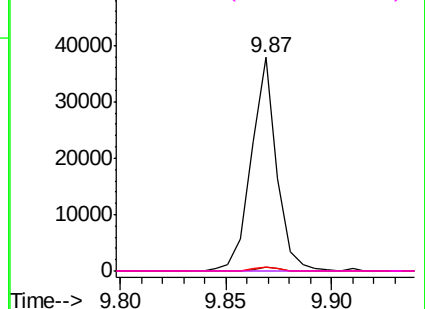


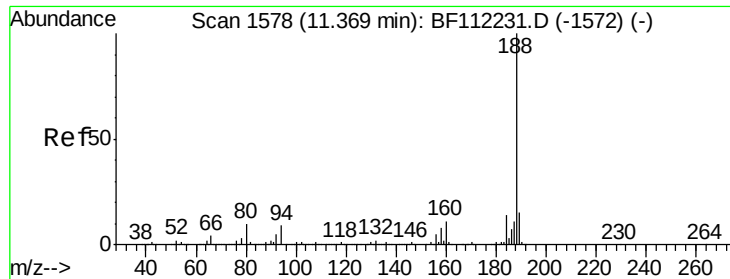
Abundance Ion 165.00 (164.70 to 165.70): E

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

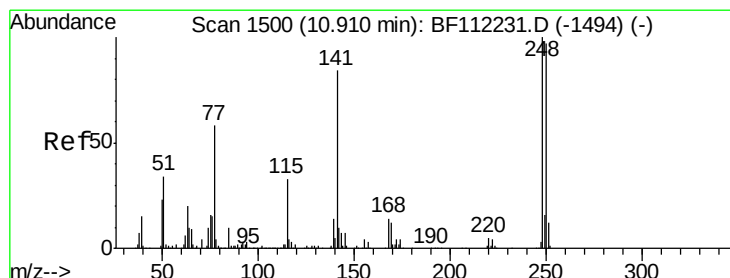
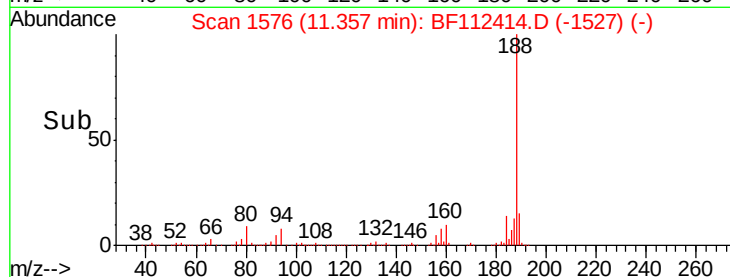
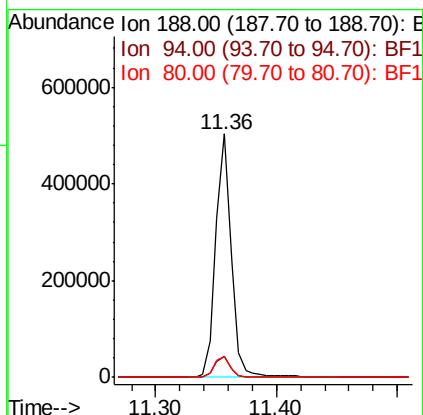
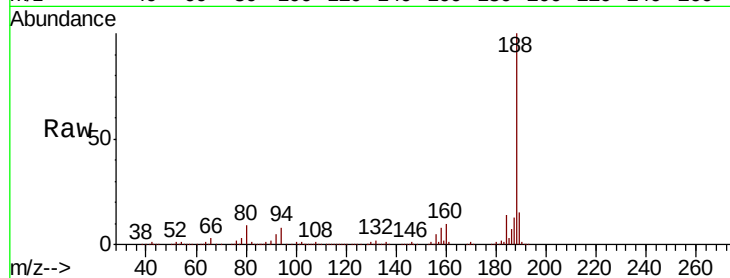




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112414.D
Acq: 5 Feb 2019 23:46

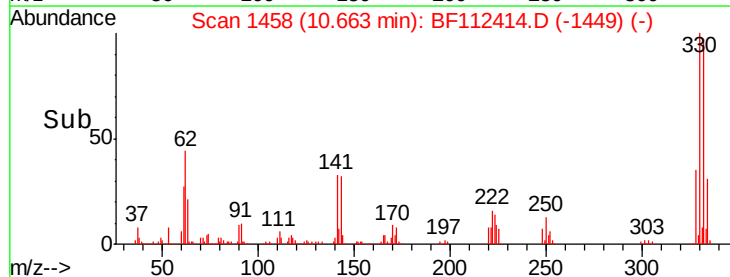
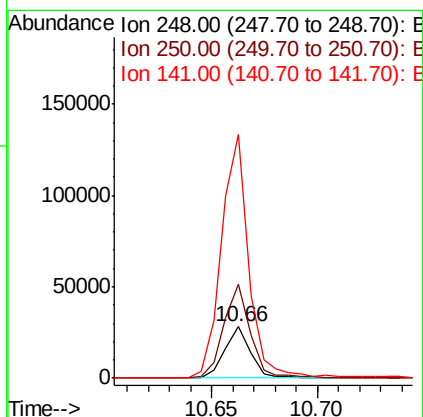
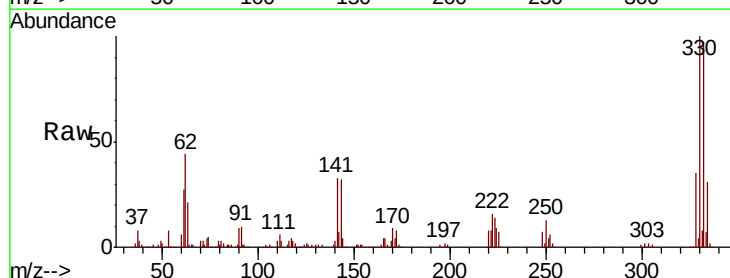
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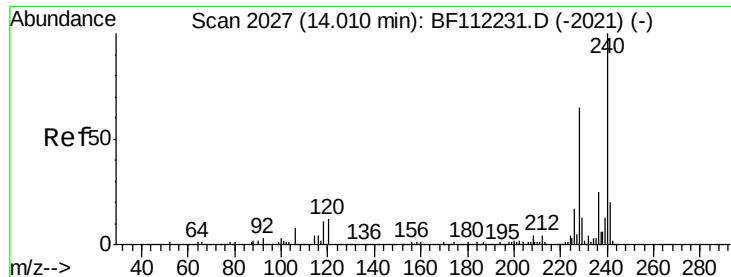
Tgt Ion:188 Resp: 441502
Ion Ratio Lower Upper
188 100
94 8.4 8.2 12.2
80 8.7 8.9 13.3#



#67
4-Bromophenyl-phenylether
Concen: 4.540 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF112414.D
Acq: 5 Feb 2019 23:46

Tgt Ion:248 Resp: 23573
Ion Ratio Lower Upper
248 100
250 185.0 79.7 119.5#
141 476.9 60.3 90.5#

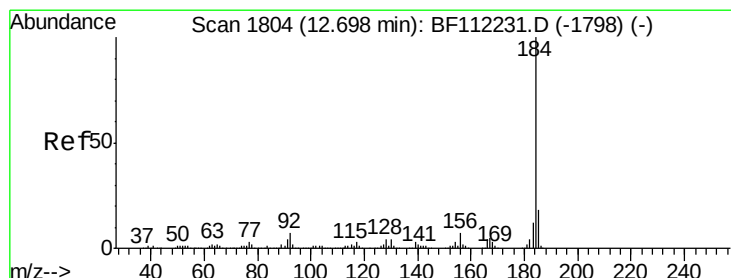
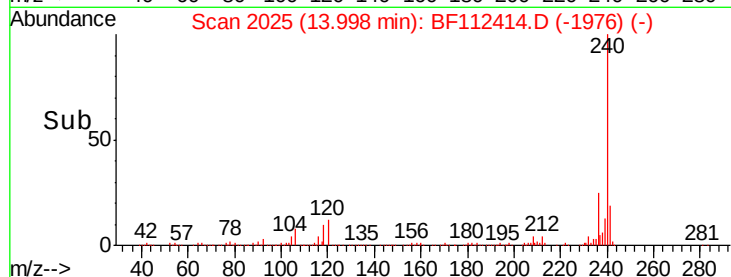
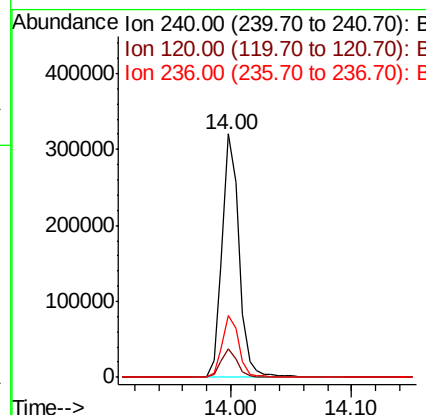
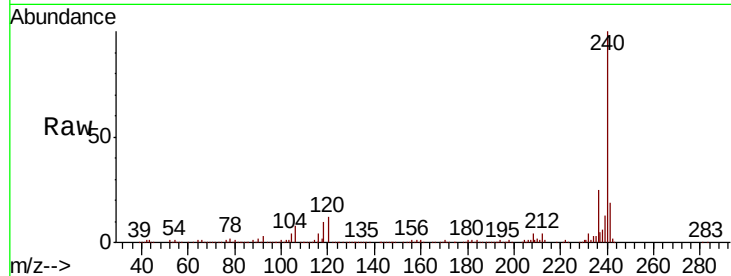




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112414.D
Acq: 5 Feb 2019 23:46

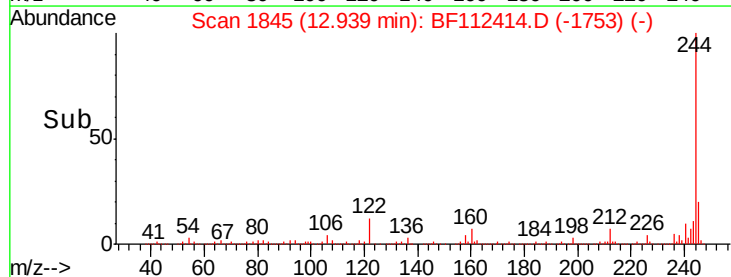
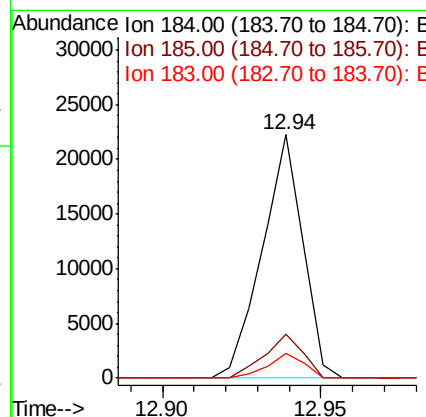
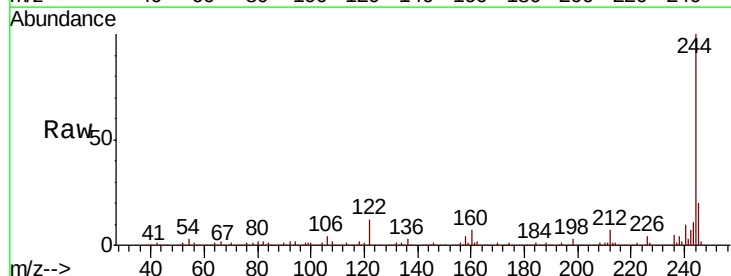
Instrument :
BNA_F
ClientSampleId :
HR-05-020419-C

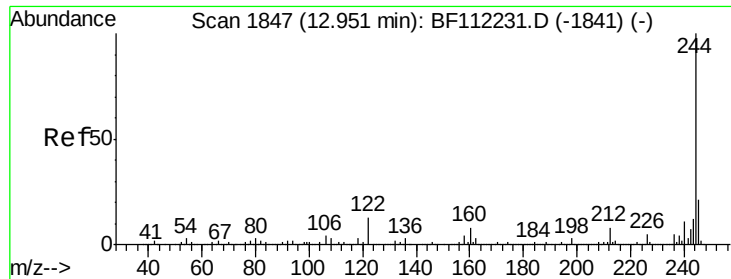
Tgt Ion:240 Resp: 309143
Ion Ratio Lower Upper
240 100
120 11.5 9.0 13.6
236 25.5 20.7 31.1



#77
Benzidine
Concen: 2.326 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.24 min
Lab File: BF112414.D
Acq: 5 Feb 2019 23:46

Tgt Ion:184 Resp: 19792
Ion Ratio Lower Upper
184 100
185 18.2 13.9 20.9
183 10.0 10.0 15.0





#79

Terphenyl-d14

Concen: 91.136 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112414.D

Acq: 5 Feb 2019 23:46

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-C

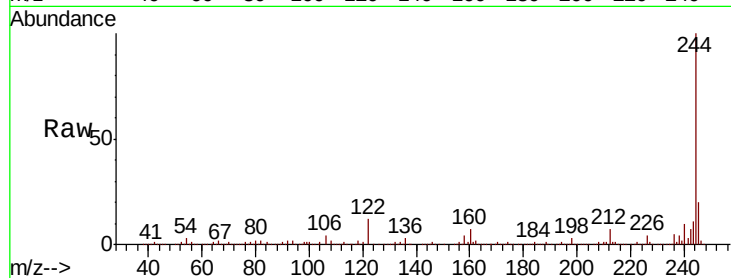
Tgt Ion:244 Resp: 1495877

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

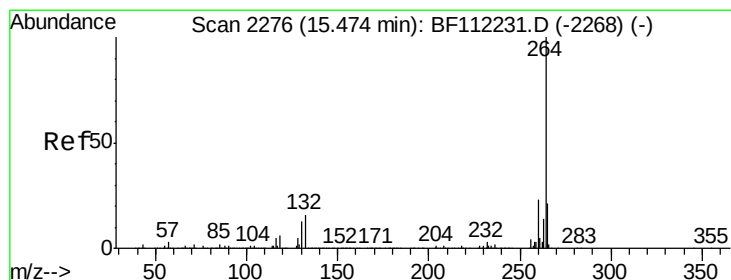
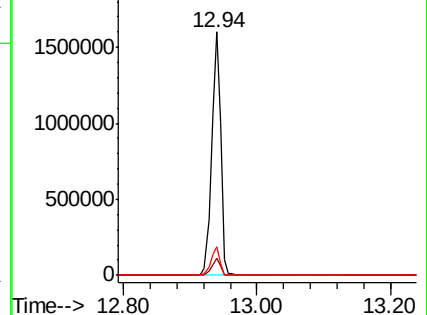
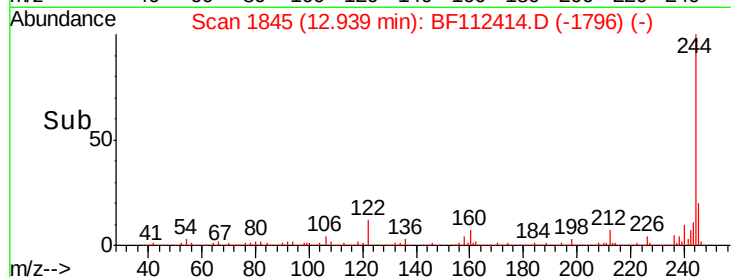
122 11.9 9.8 14.6



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: BF112414.D

Acq: 5 Feb 2019 23:46

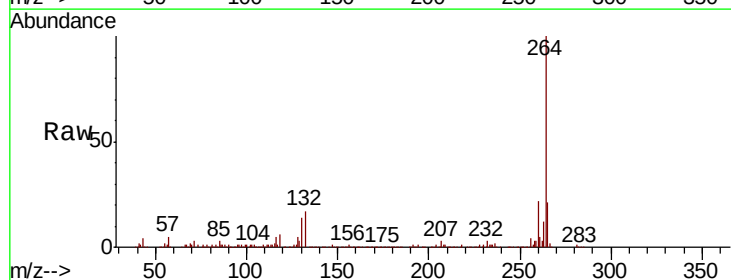
Tgt Ion:264 Resp: 276177

Ion Ratio Lower Upper

264 100

260 22.1 18.2 27.2

265 21.2 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

