

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020419\
 Data File : BF112385.D
 Acq On : 4 Feb 2019 17:33
 Operator : JU/SJ
 Sample : K1011-16
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-013119-B

Quant Time: Feb 04 23:46:53 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

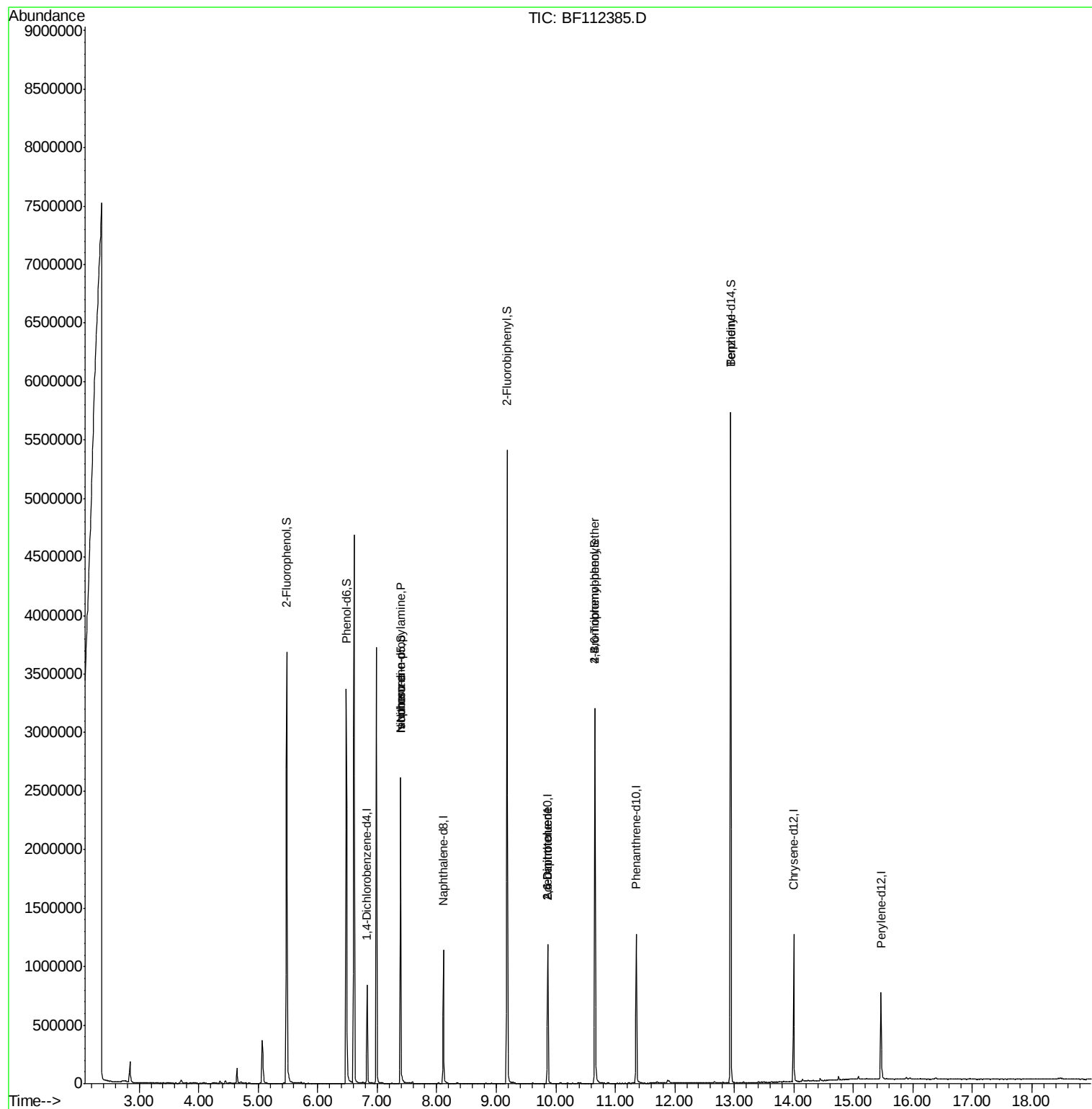
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	140895	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	535162	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	258909	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	509709	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	452384	20.00	ng	-0.01
87) Perylene-d12	15.46	264	347273	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1049739	158.25	ng	0.00
7) Phenol-d6	6.48	99	1213968	131.71	ng	-0.01
23) Nitrobenzene-d5	7.39	82	891657	96.00	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	454921	150.95	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1757392	96.00	ng	-0.02
79) Terphenyl-d14	12.94	244	1989628	82.84	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	119954	18.873	ng	# 76
25) Isophorone	7.39	82	891648	61.195	ng	# 63
51) 2,6-Dinitrotoluene	9.86	165	32440	7.201	ng	# 34
57) 2,4-Dinitrotoluene	9.86	165	32440	5.656	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	27575	4.600	ng	# 1
77) Benzidine	12.94	184	26487	2.127	ng	# 95

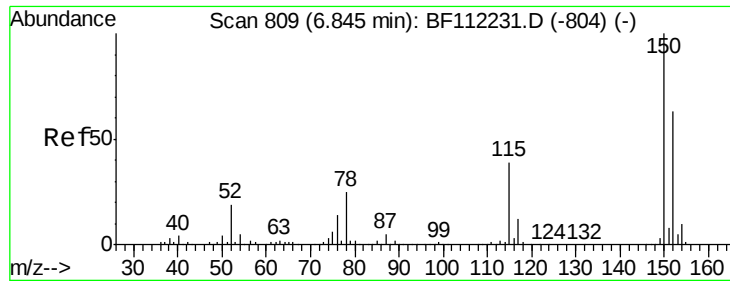
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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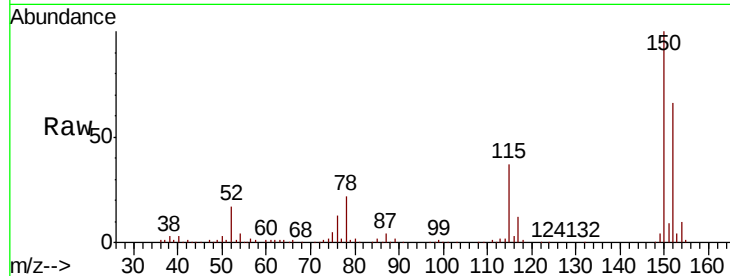


#1

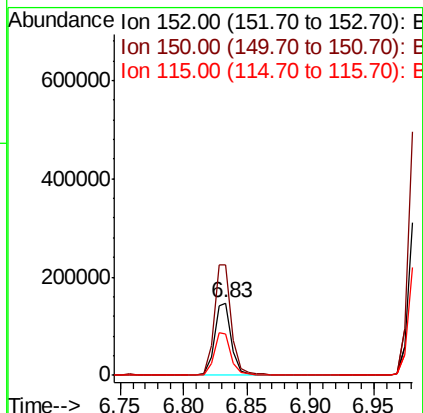
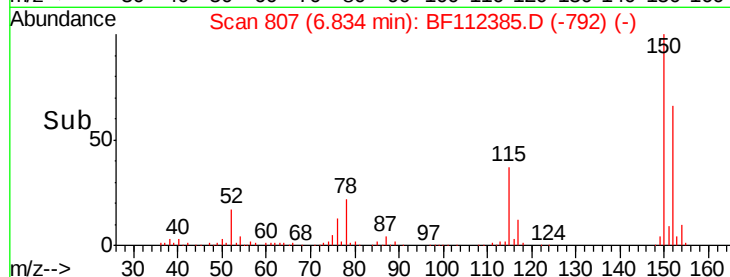
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112385.D
 Acq: 4 Feb 2019 17:33

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-013119-B

Tgt Ion:152 Resp: 140895
 Ion Ratio Lower Upper
 152 100
 150 151.9 127.4 191.0
 115 56.9 45.5 68.3



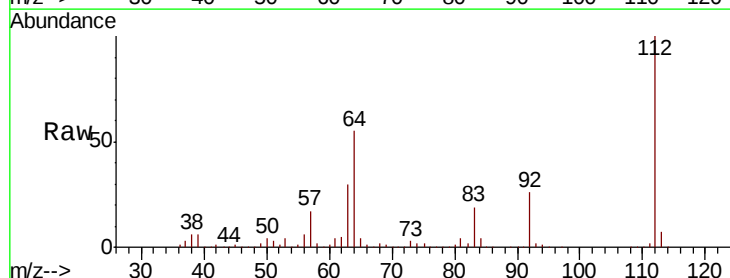
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



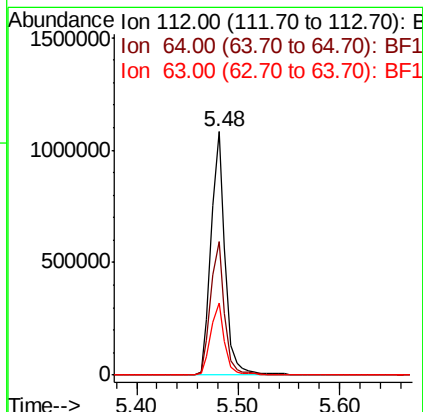
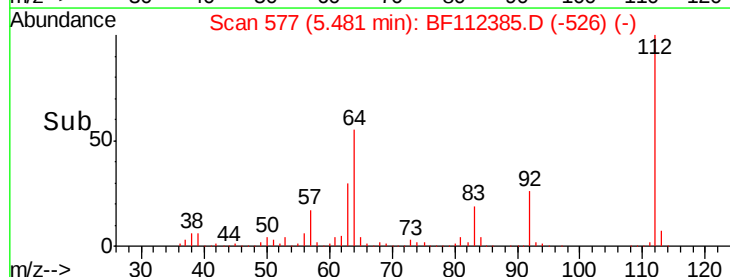
#5

2-Fluorophenol
 Concen: 158.254 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: BF112385.D
 Acq: 4 Feb 2019 17:33

Tgt Ion:112 Resp: 1049739
 Ion Ratio Lower Upper
 112 100
 64 54.6 45.7 68.5
 63 29.5 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: 131.706 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112385.D

Acq: 4 Feb 2019 17:33

Instrument :

BNA_F

ClientSampleId :

OR-02-013119-B

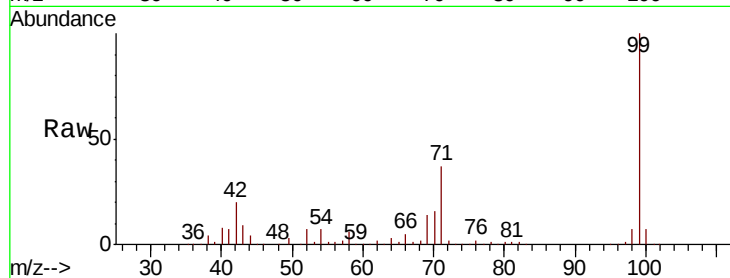
Tgt Ion: 99 Resp: 1213968

Ion Ratio Lower Upper

99 100

42 19.5 15.1 22.7

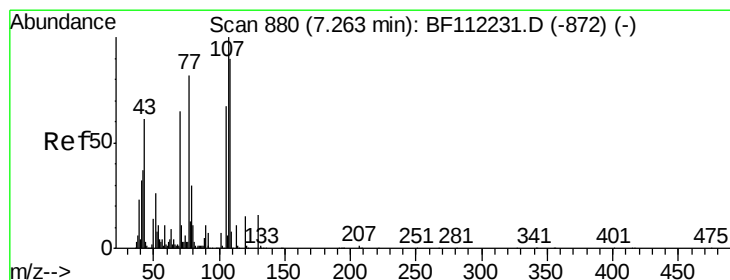
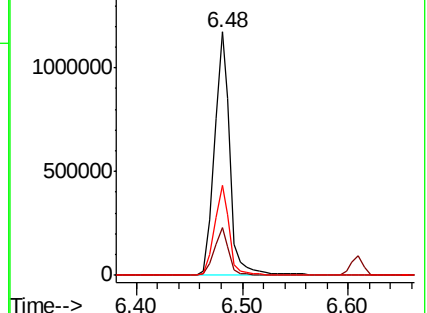
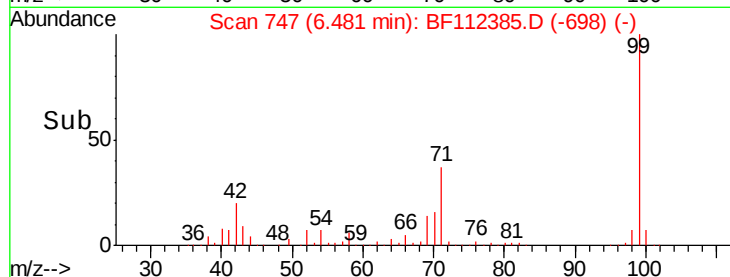
71 37.0 26.9 40.3



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: 18.873 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF112385.D

Acq: 4 Feb 2019 17:33

Tgt Ion: 70 Resp: 119954

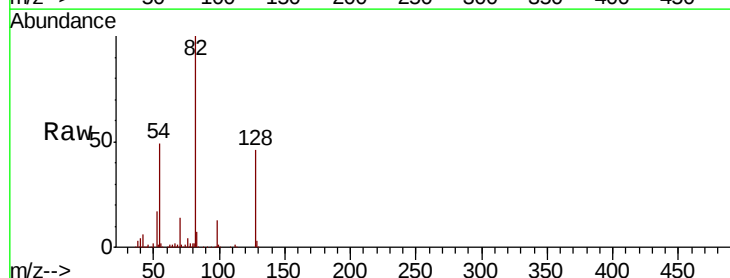
Ion Ratio Lower Upper

70 100

42 47.4 47.6 71.4#

101 0.0 7.9 11.9#

130 2.6 18.4 27.6#

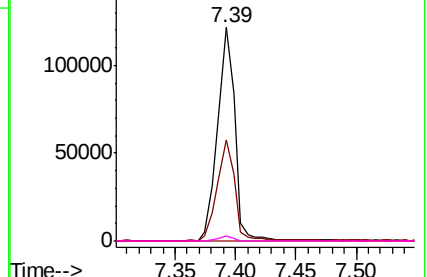
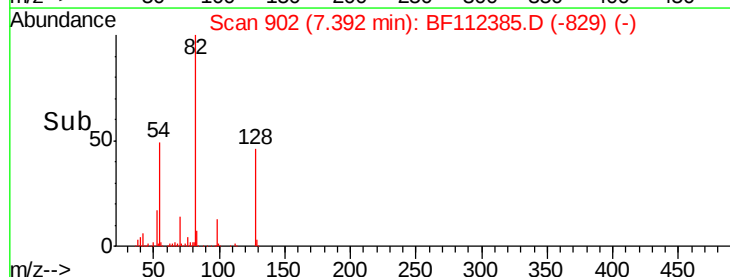


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.11 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF112385.D

Acq: 4 Feb 2019 17:33

Instrument :

BNA_F

ClientSampleId :

OR-02-013119-B

Tgt Ion:136 Resp: 535162

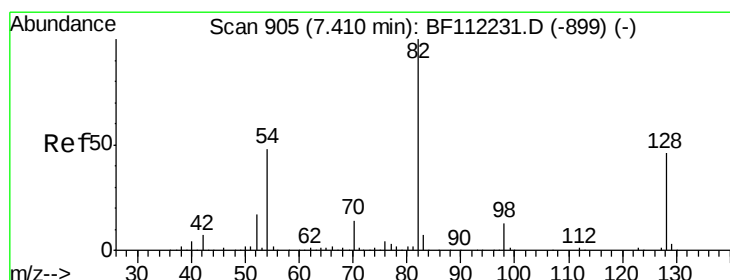
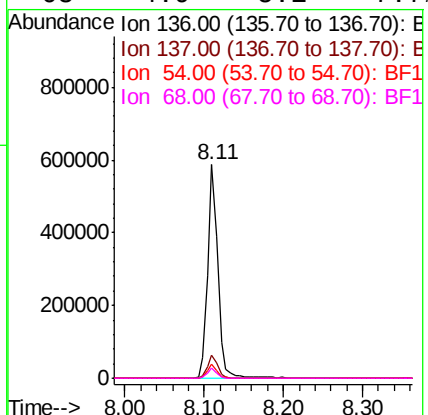
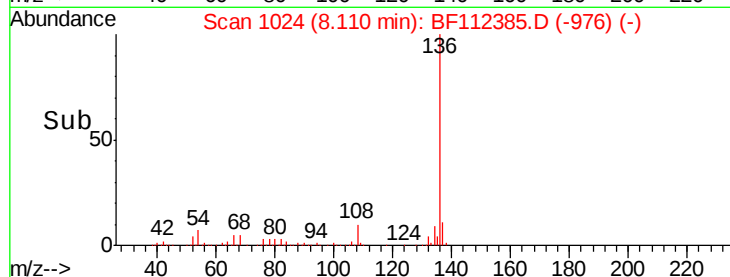
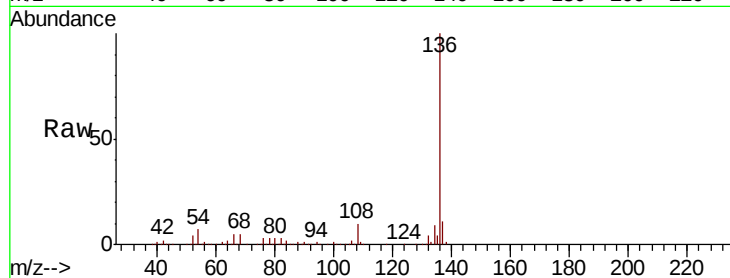
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 6.5 5.9 8.9

68 4.9 5.1 7.7#



#23

Nitrobenzene-d5

Concen: 96.003 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF112385.D

Acq: 4 Feb 2019 17:33

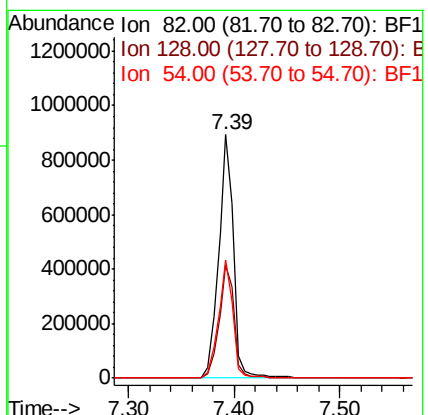
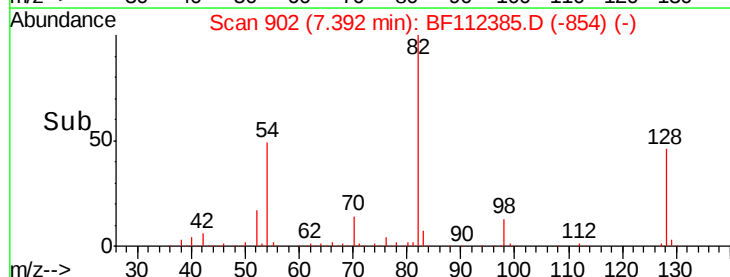
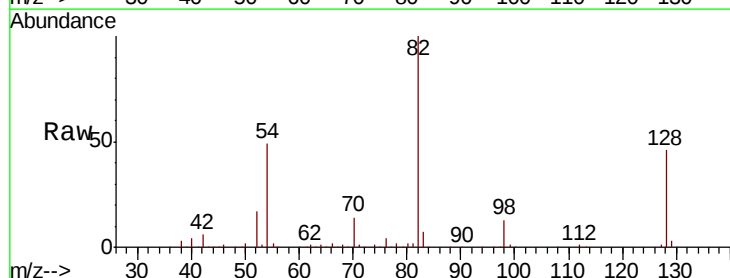
Tgt Ion: 82 Resp: 891657

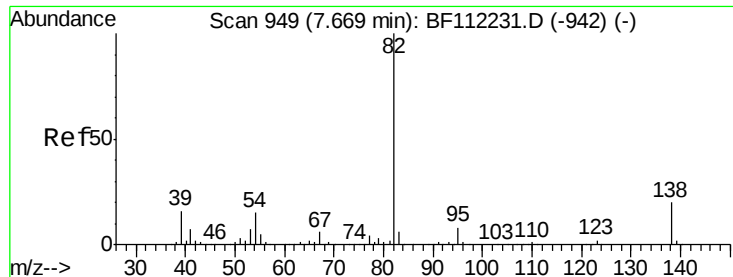
Ion Ratio Lower Upper

82 100

128 46.3 37.8 56.8

54 48.7 39.7 59.5





#25

Isophorone

Concen: 61.195 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF112385.D

Acq: 4 Feb 2019 17:33

Instrument :

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ClientSampleId :

OR-02-013119-B

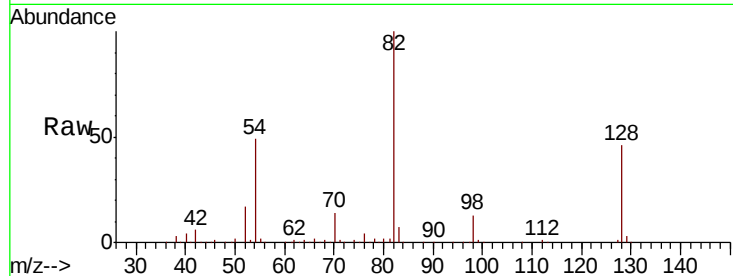
Tgt Ion: 82 Resp: 891648

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

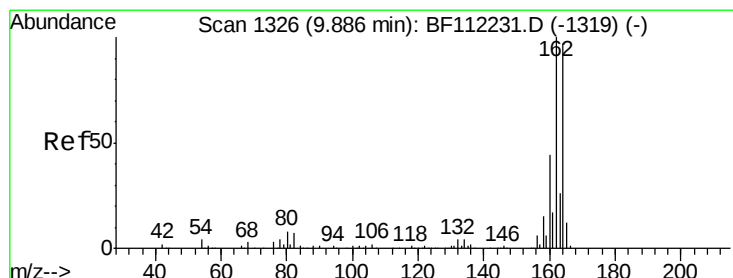
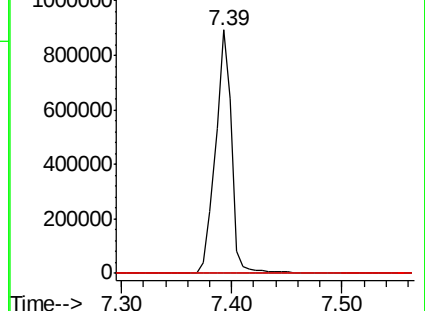
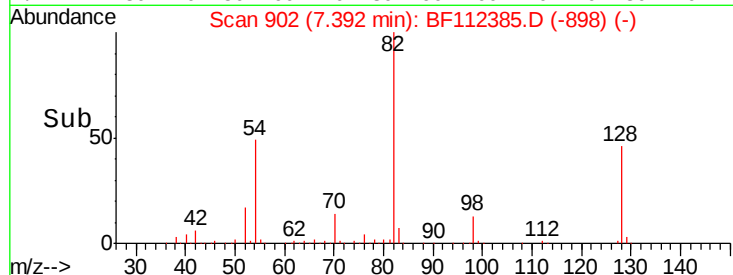
138 0.0 15.4 23.0#



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: 9.86 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF112385.D

Acq: 4 Feb 2019 17:33

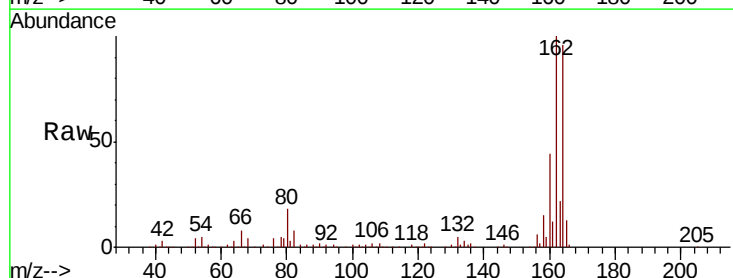
Tgt Ion: 164 Resp: 258909

Ion Ratio Lower Upper

164 100

162 104.3 82.2 123.4

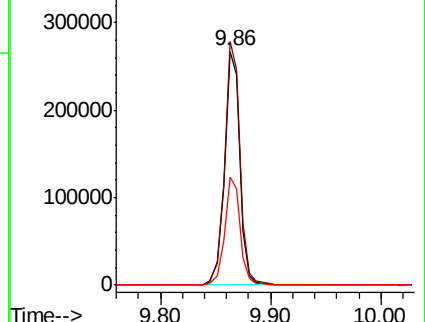
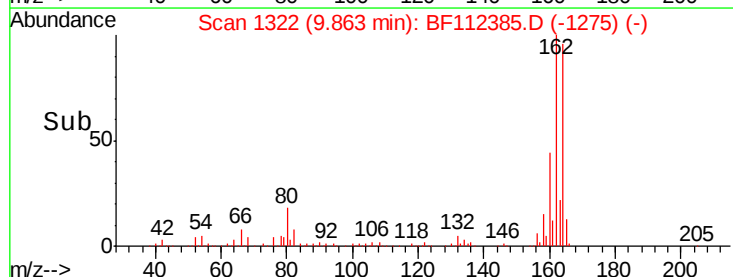
160 46.2 36.2 54.4



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

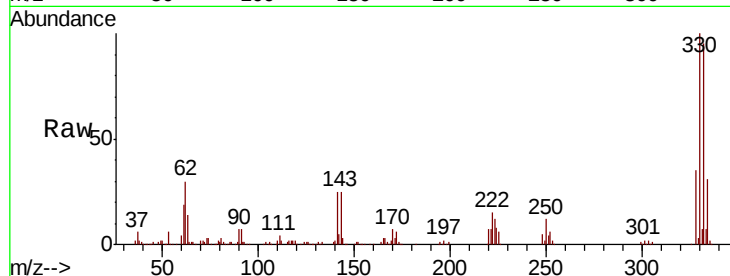




#42
 2,4,6-Tribromophenol
 Concen: 150.955 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112385.D
 Acq: 4 Feb 2019 17:33

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-013119-B

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	114.8
141	32.5	24.3	36.5

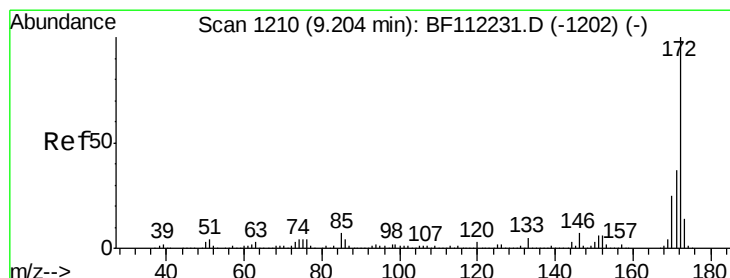
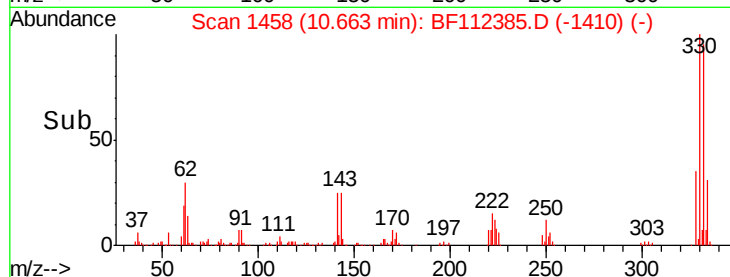
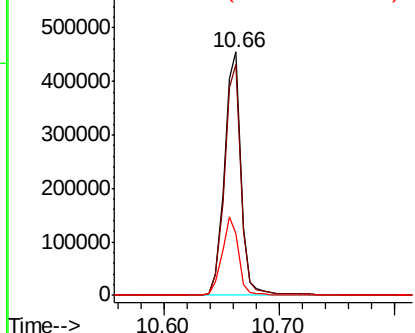


Abundance

Ion 329.80 (329.50 to 330.50): E

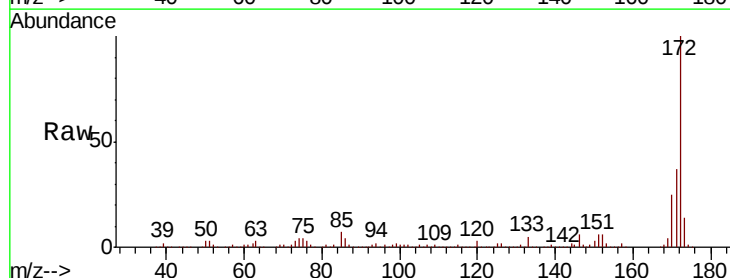
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 96.001 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112385.D
 Acq: 4 Feb 2019 17:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.5	45.7
170	24.7	20.2	30.4

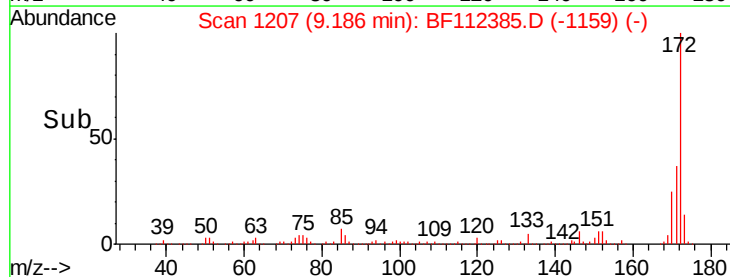
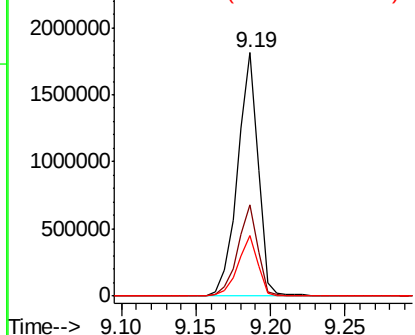


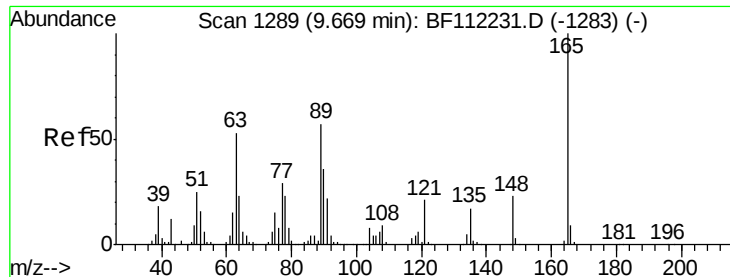
Abundance

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: 7.201 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.19 min

Lab File: BF112385.D

Acq: 4 Feb 2019 17:33

Instrument :

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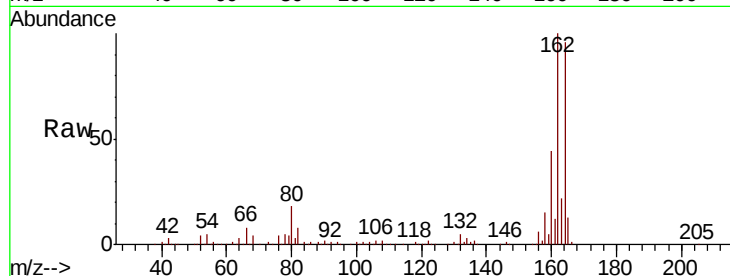
Tgt Ion:165 Resp: 32440

Ion Ratio Lower Upper

165 100

63 1.4 33.8 50.8#

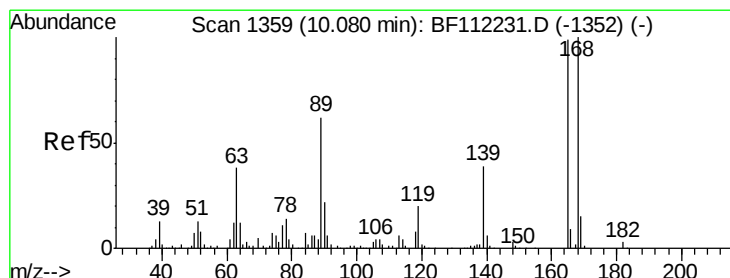
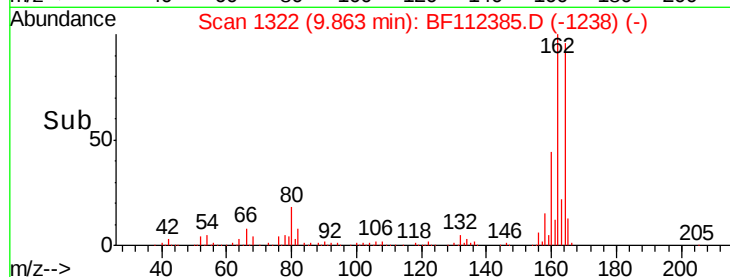
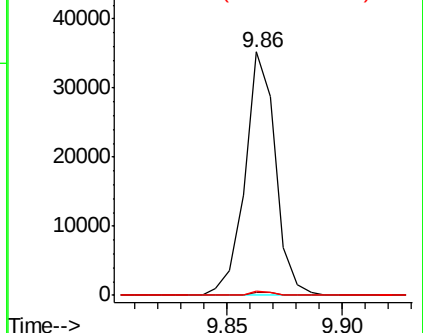
89 1.6 36.9 55.3#



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: 5.656 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.22 min

Lab File: BF112385.D

Acq: 4 Feb 2019 17:33

Tgt Ion:165 Resp: 32440

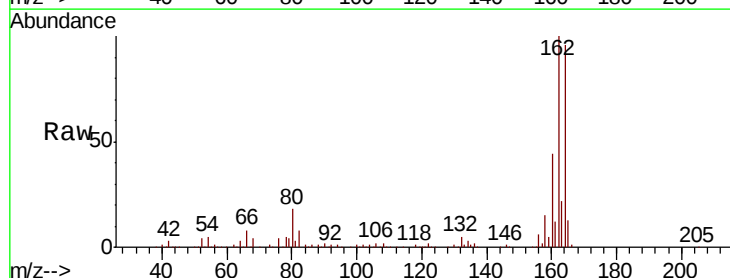
Ion Ratio Lower Upper

165 100

63 1.4 27.9 41.9#

89 1.6 47.9 71.9#

182 0.0 2.2 3.4#

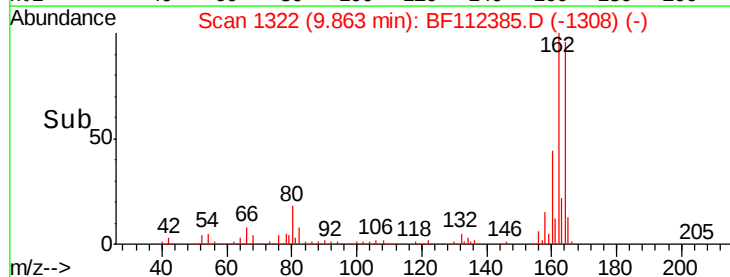
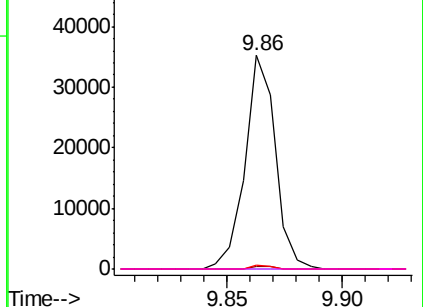


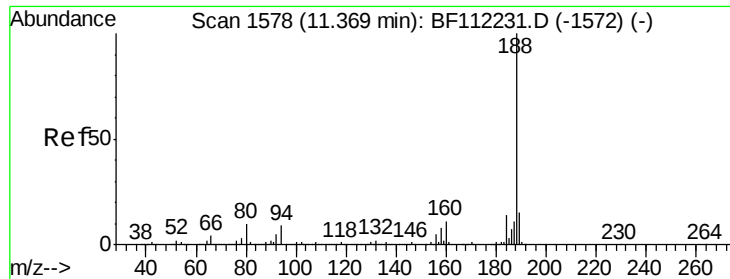
Abundance Ion 165.00 (164.70 to 165.70): E

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): BF1

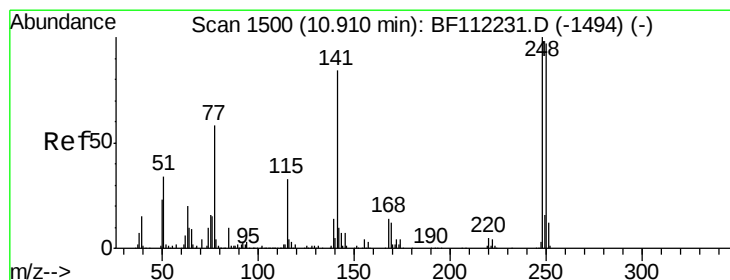
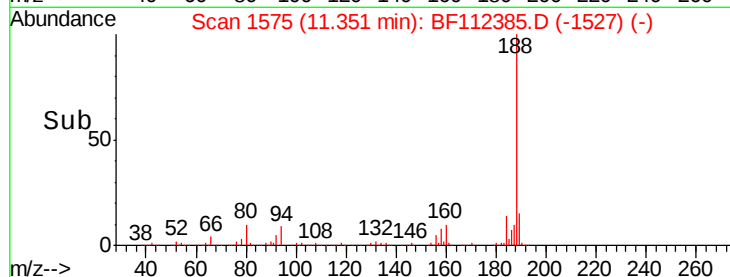
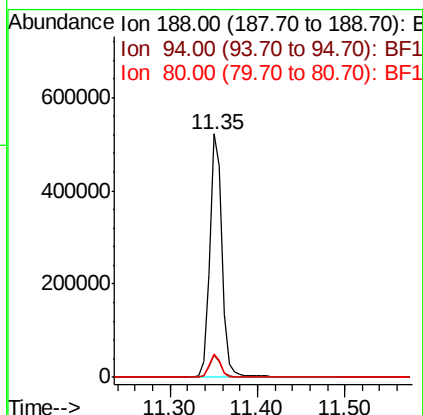
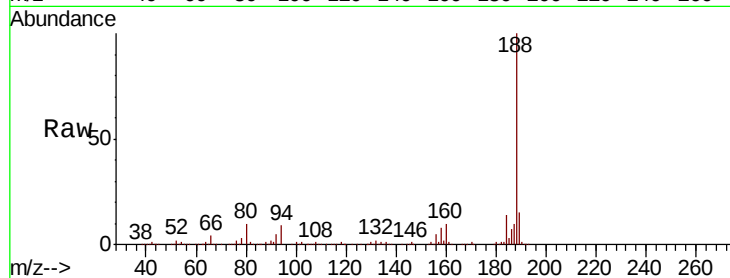




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF112385.D
Acq: 4 Feb 2019 17:33

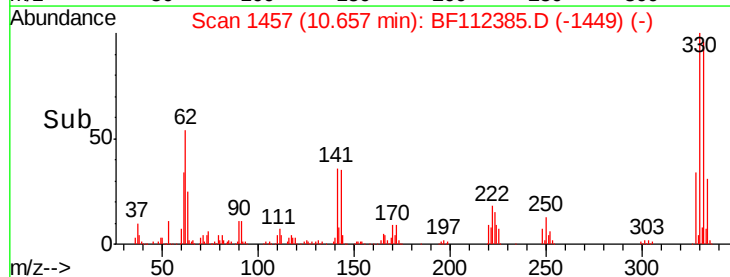
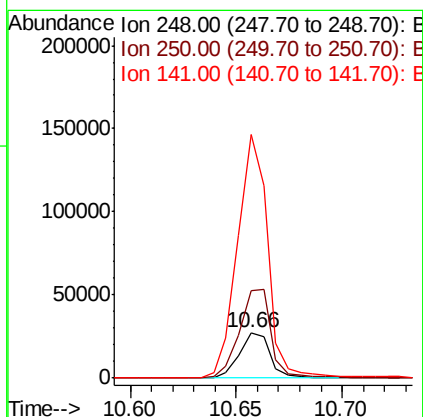
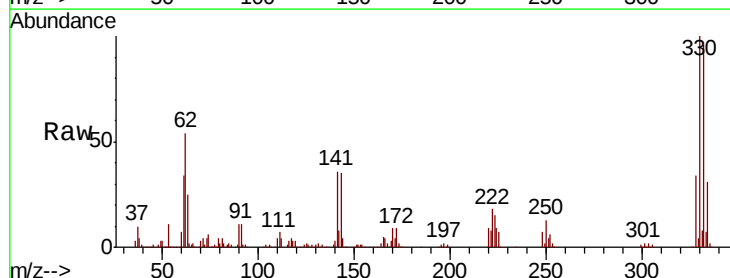
Instrument :
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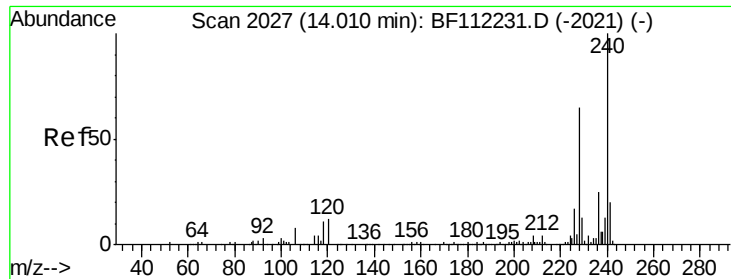
Tgt Ion:188 Resp: 509709
Ion Ratio Lower Upper
188 100
94 9.1 8.2 12.2
80 9.8 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 4.600 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.25 min
Lab File: BF112385.D
Acq: 4 Feb 2019 17:33

Tgt Ion:248 Resp: 27575
Ion Ratio Lower Upper
248 100
250 191.9 79.7 119.5#
141 537.6 60.3 90.5#

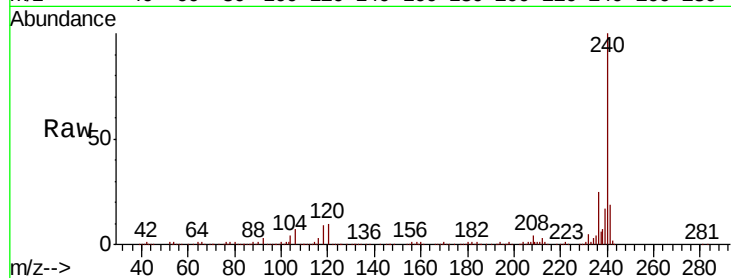




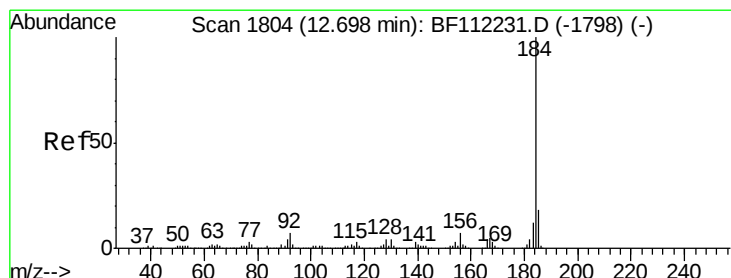
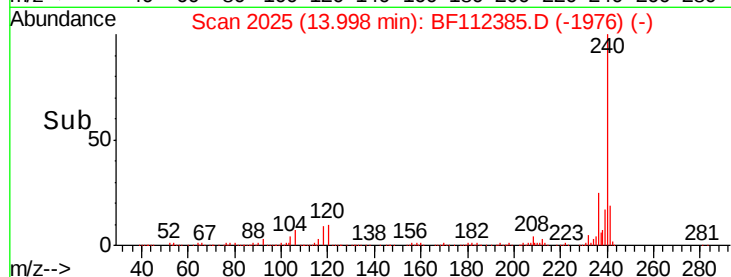
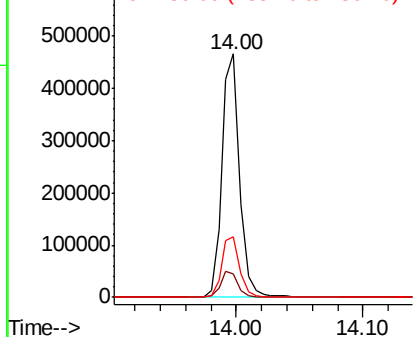
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112385.D
Acq: 4 Feb 2019 17:33

Instrument :
BNA_F
ClientSampleId :
OR-02-013119-B

Tgt Ion:240 Resp: 452384
Ion Ratio Lower Upper
240 100
120 9.9 9.0 13.6
236 25.0 20.7 31.1

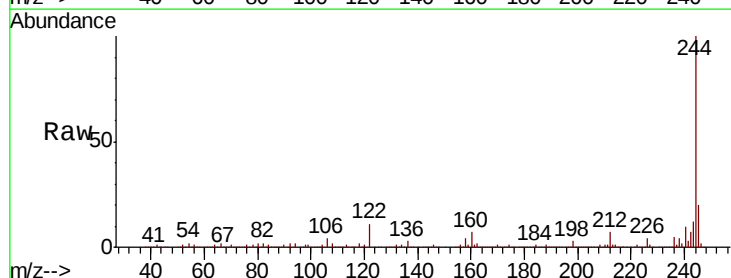


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

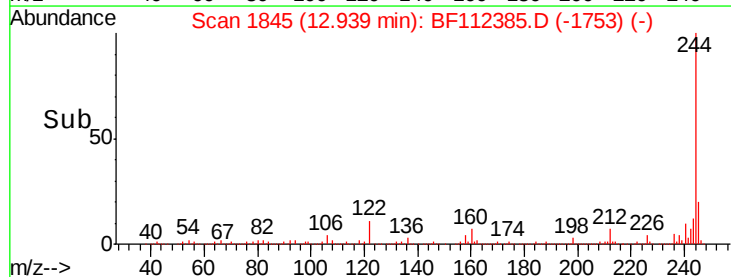
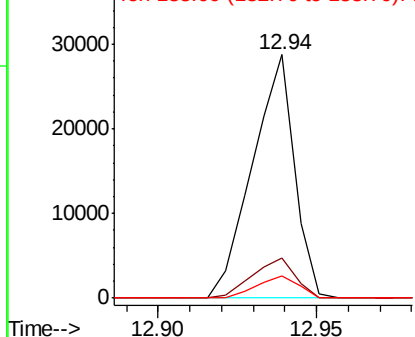


#77
Benzidine
Concen: 2.127 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.24 min
Lab File: BF112385.D
Acq: 4 Feb 2019 17:33

Tgt Ion:184 Resp: 26487
Ion Ratio Lower Upper
184 100
185 16.3 13.9 20.9
183 8.9 10.0 15.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 82.836 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112385.D

Acq: 4 Feb 2019 17:33

Instrument :

BNA_F

ClientSampleId :

OR-02-013119-B

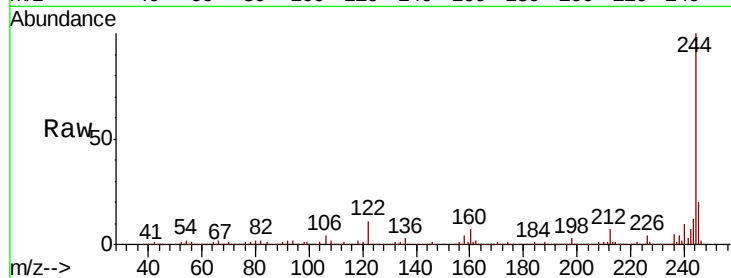
Tgt Ion:244 Resp: 1989628

Ion Ratio Lower Upper

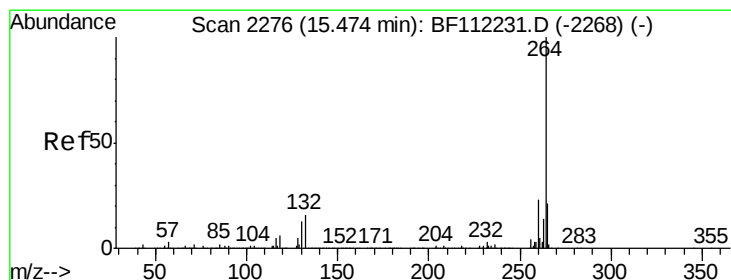
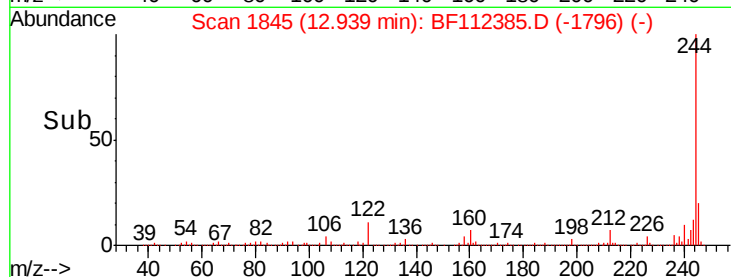
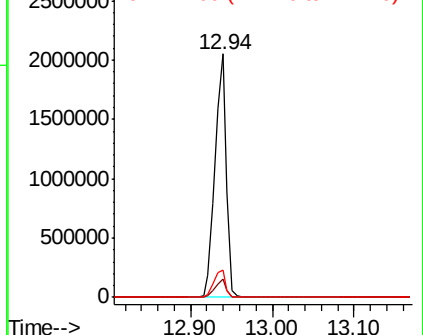
244 100

212 7.4 5.9 8.9

122 11.4 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: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF112385.D

Acq: 4 Feb 2019 17:33

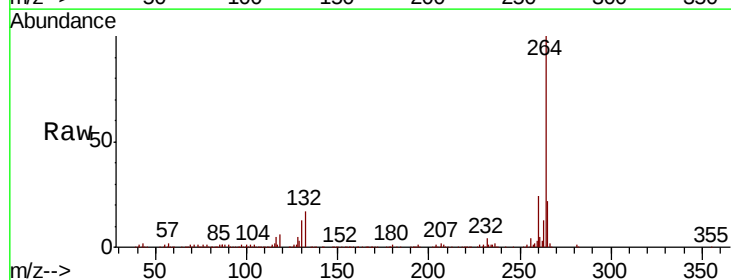
Tgt Ion:264 Resp: 347273

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.2

265 21.8 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

