

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012819\
 Data File : BF112282.D
 Acq On : 28 Jan 2019 18:43
 Operator : JU/SJ
 Sample : K1255-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200036

Quant Time: Jan 29 00:07:03 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

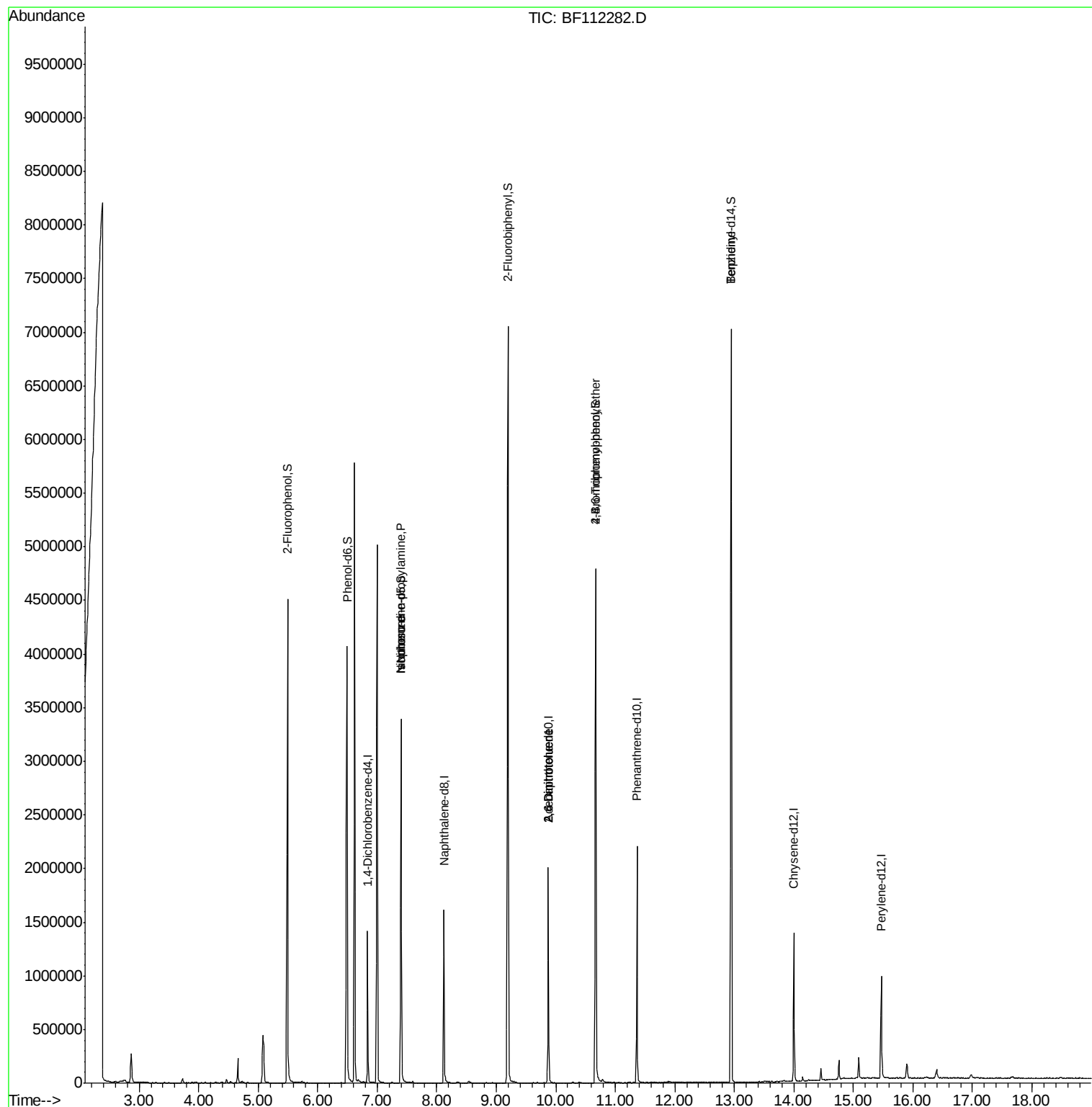
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	206668	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	810363	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	417736	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	815132	20.00	ng	0.00
76) Chrysene-d12	14.00	240	525519	20.00	ng	-0.01
87) Perylene-d12	15.47	264	415682	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1370247	140.83	ng	0.01
7) Phenol-d6	6.49	99	1594423	117.93	ng	0.00
23) Nitrobenzene-d5	7.40	82	1258706	89.50	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	650827	133.85	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	2551274	86.38	ng	0.00
79) Terphenyl-d14	12.94	244	2523587	90.44	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	166771	17.889	ng	# 74
25) Isophorone	7.40	82	1248321	56.579	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	53126	7.309	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	53126	5.741	ng	# 32
67) 4-Bromophenyl-phenylether	10.67	248	41524	4.331	ng	# 1
77) Benzidine	12.94	184	34998	2.420	ng	# 96

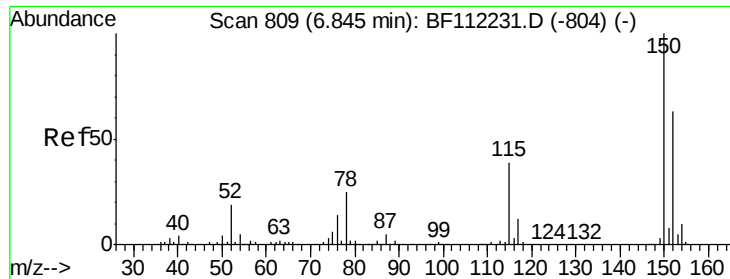
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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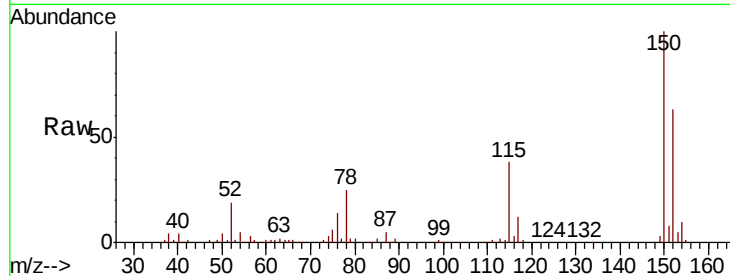


#1

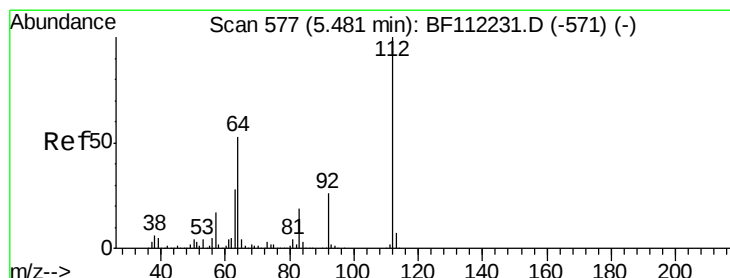
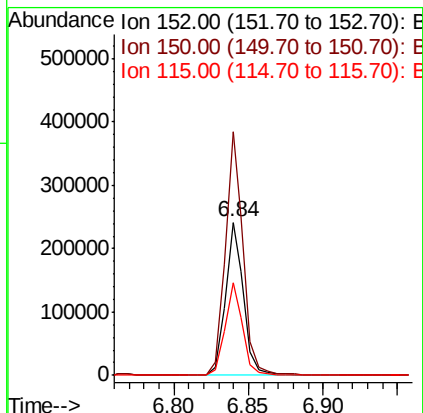
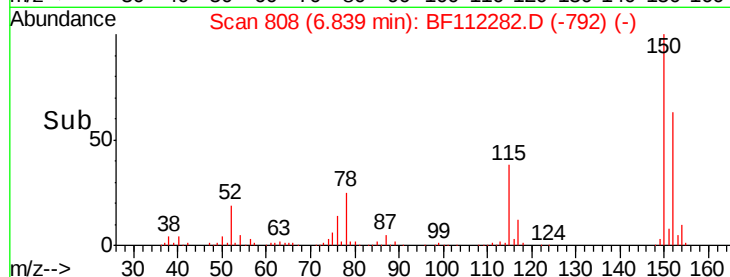
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112282.D
Acq: 28 Jan 2019 18:43

Instrument :
BNA_F
ClientSampleId :
RBR200036

Tgt Ion:152 Resp: 206668
Ion Ratio Lower Upper
152 100
150 159.0 127.4 191.0
115 60.4 45.5 68.3



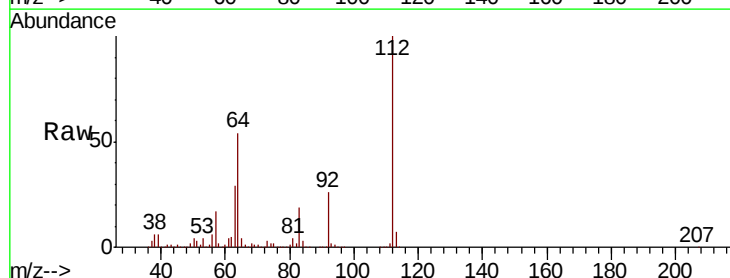
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



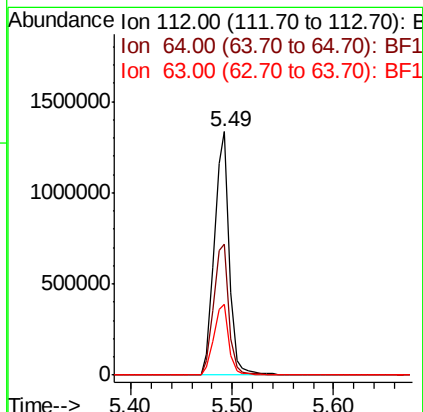
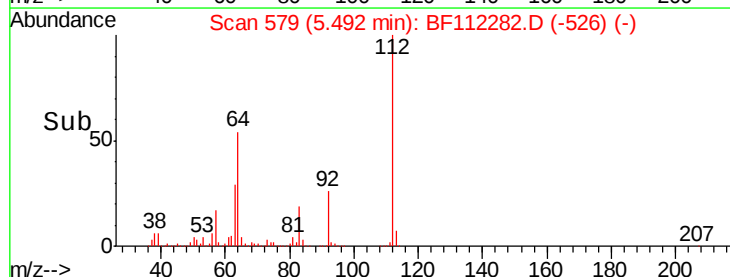
#5

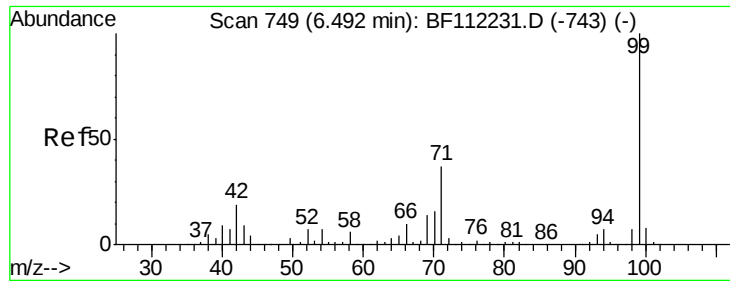
2-Fluorophenol
Concen: 140.829 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF112282.D
Acq: 28 Jan 2019 18:43

Tgt Ion:112 Resp: 1370247
Ion Ratio Lower Upper
112 100
64 53.9 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: 117.930 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF112282.D

Acq: 28 Jan 2019 18:43

Instrument :

BNA_F

ClientSampleId :

RBR200036

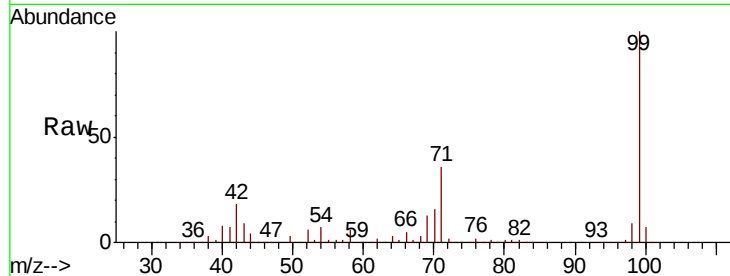
Tgt Ion: 99 Resp: 1594423

Ion Ratio Lower Upper

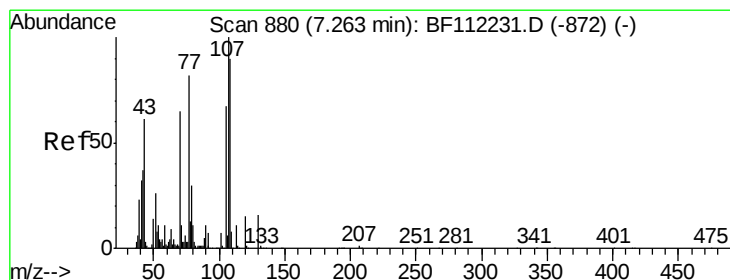
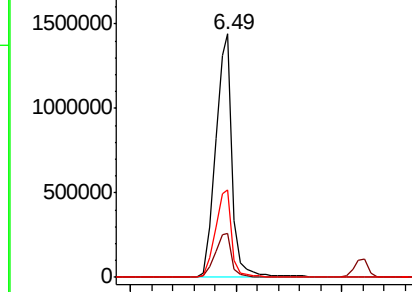
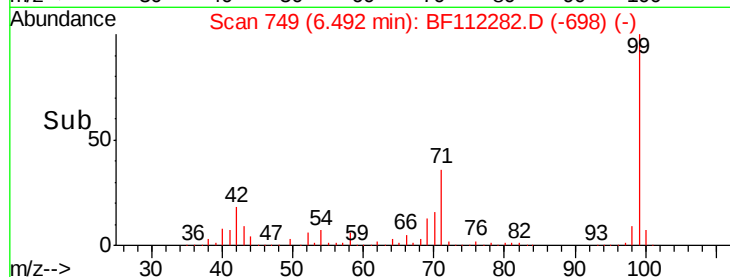
99 100

42 17.8 15.1 22.7

71 35.9 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: 17.889 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF112282.D

Acq: 28 Jan 2019 18:43

Tgt Ion: 70 Resp: 166771

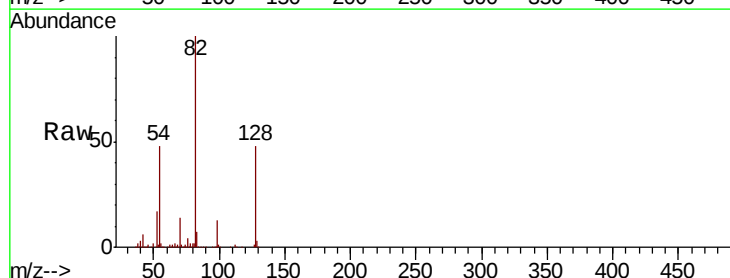
Ion Ratio Lower Upper

70 100

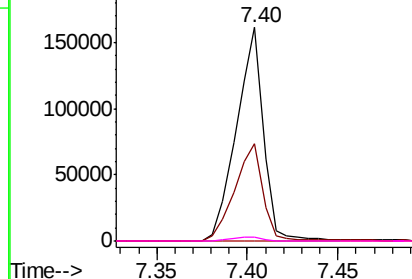
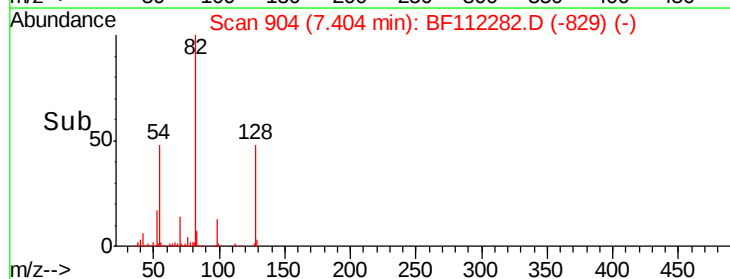
42 45.5 47.6 71.4#

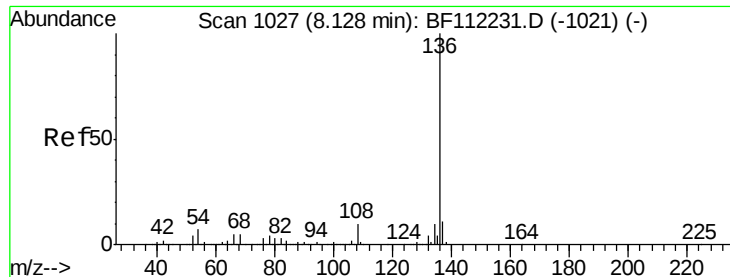
101 0.0 7.9 11.9#

130 2.0 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

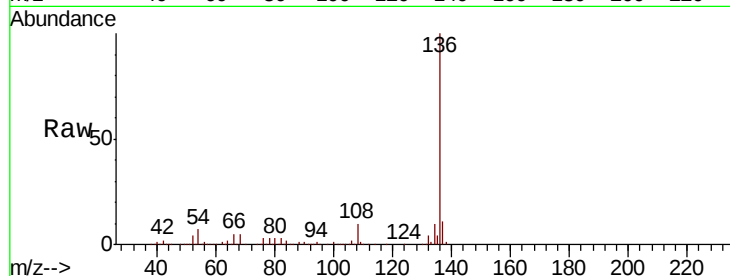




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF112282.D
Acq: 28 Jan 2019 18:43

Instrument :
BNA_F
ClientSampleId :
RBR200036

Tgt Ion:	136	Resp:	810363
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.6	5.9	8.9
68	4.6	5.1	7.7#



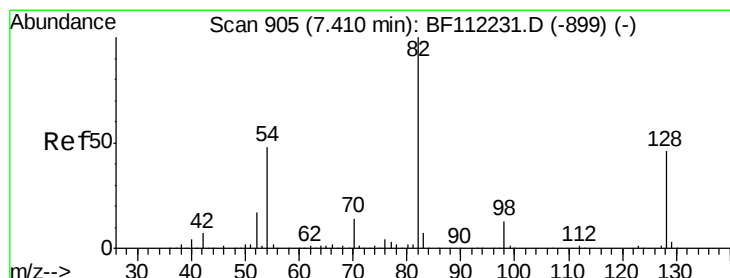
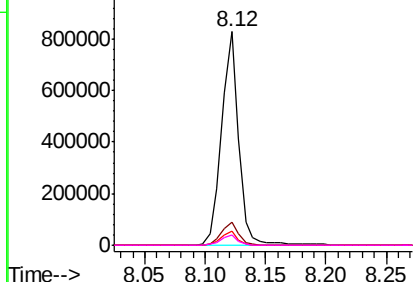
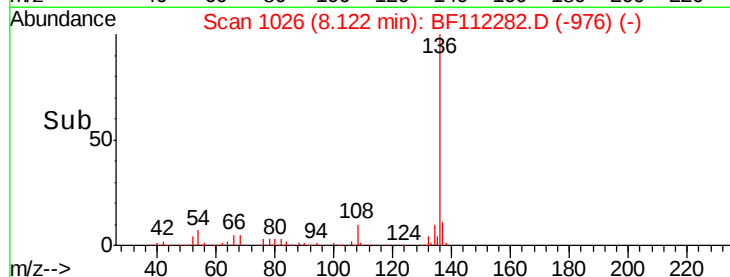
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

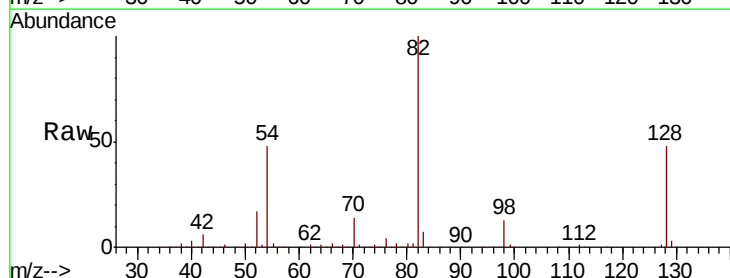
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 89.499 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF112282.D
Acq: 28 Jan 2019 18:43

Tgt Ion:	82	Resp:	1258706
Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.8	56.8
54	47.9	39.7	59.5

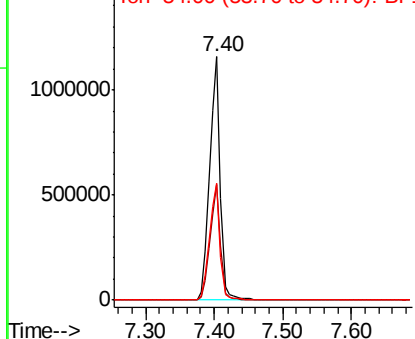
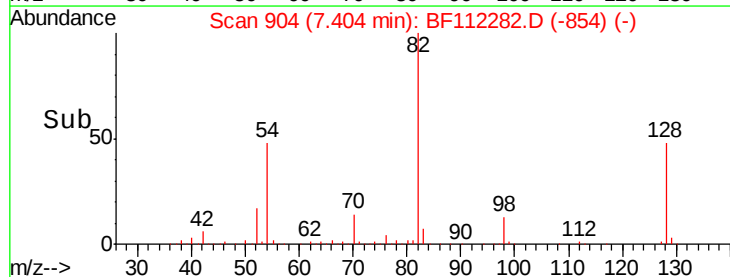


Abundance

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: 56.579 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF112282.D

Acq: 28 Jan 2019 18:43

Instrument :

BNA_F

ClientSampleId :

RBR200036

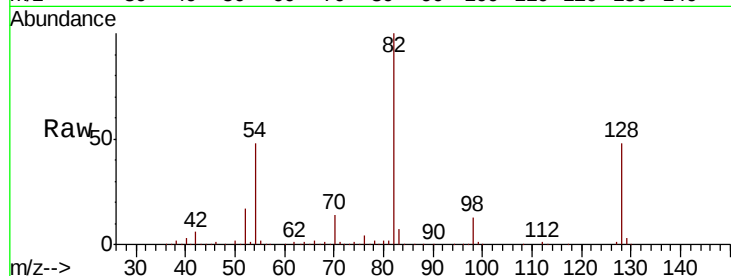
Tgt Ion: 82 Resp: 1248321

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

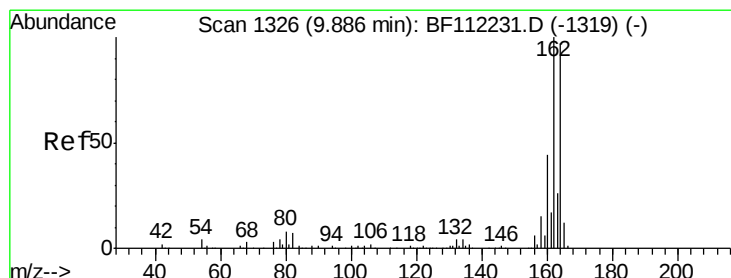
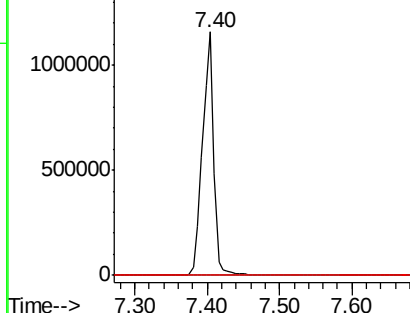
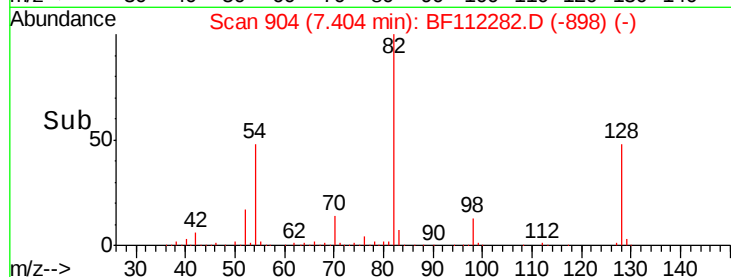
138 0.0 15.4 23.0#



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# 1324

Delta R.T. -0.01 min

Lab File: BF112282.D

Acq: 28 Jan 2019 18:43

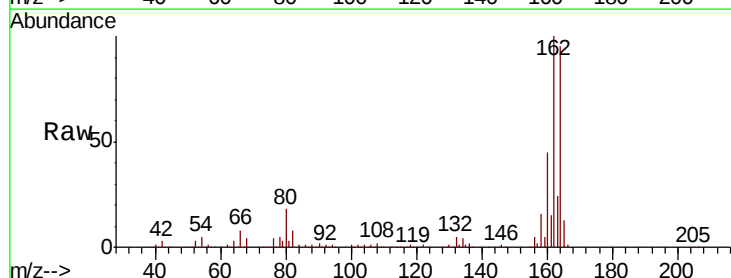
Tgt Ion: 164 Resp: 417736

Ion Ratio Lower Upper

164 100

162 105.4 82.2 123.4

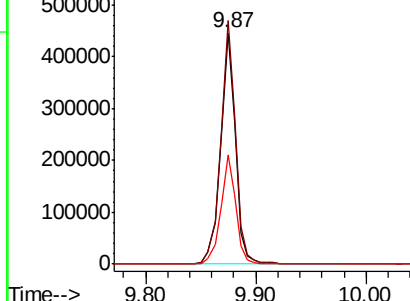
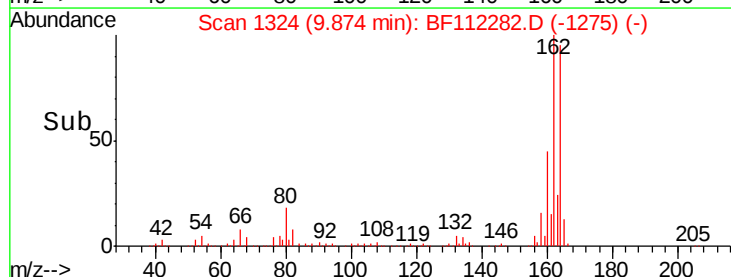
160 47.3 36.2 54.4

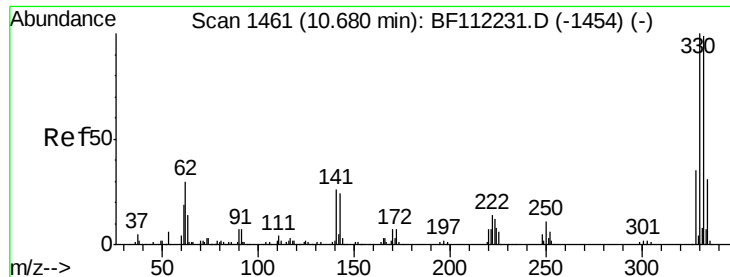


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

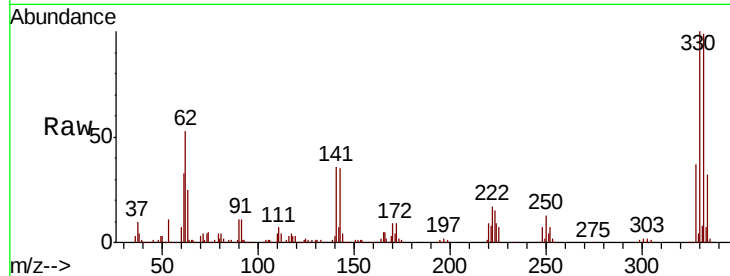




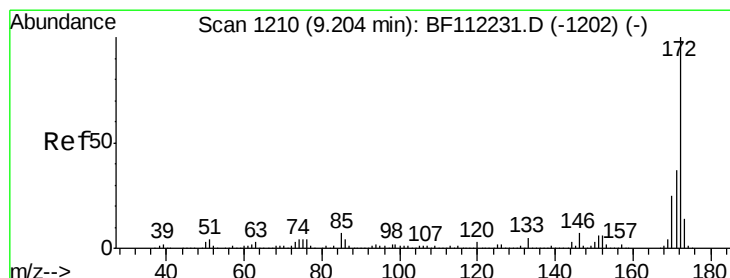
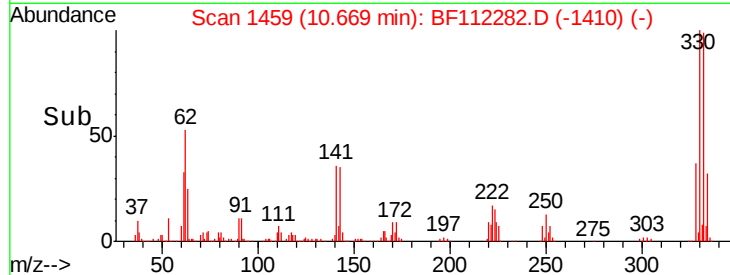
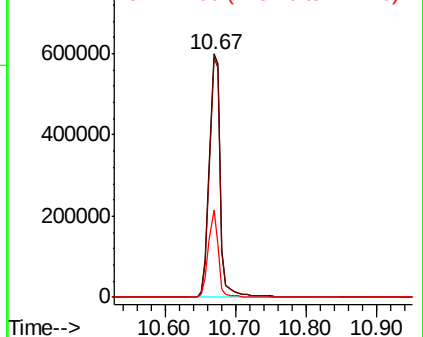
#42
 2,4,6-Tribromophenol
 Concen: 133.851 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112282.D
 Acq: 28 Jan 2019 18:43

Instrument :
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 RBR200036

Tgt Ion:330 Resp: 650827
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 114.8
 141 32.6 24.3 36.5

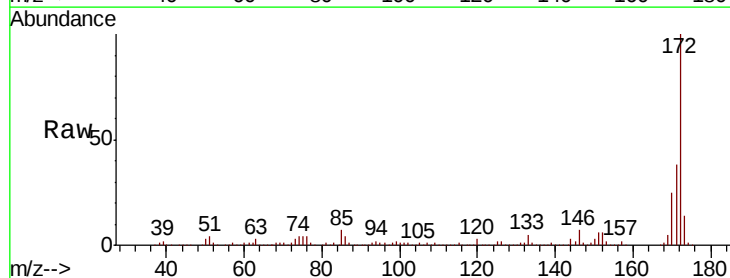


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

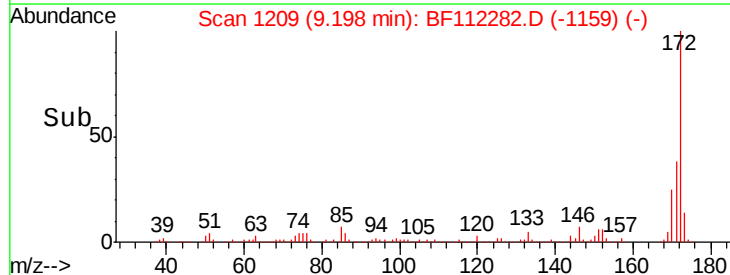
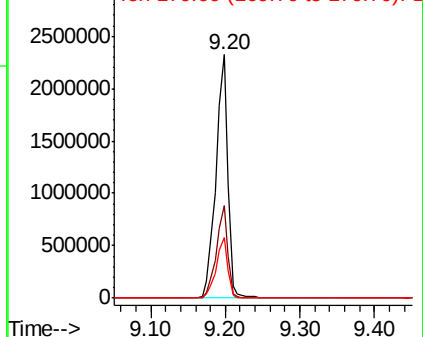


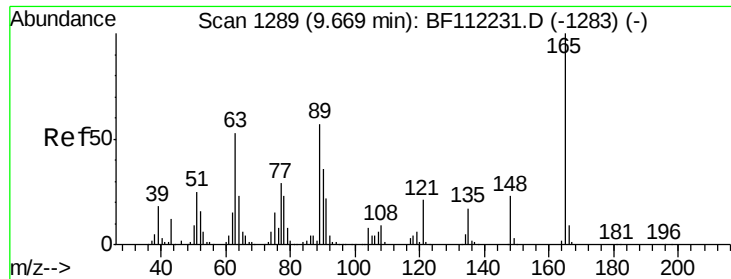
#45
 2-Fluorobiphenyl
 Concen: 86.379 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF112282.D
 Acq: 28 Jan 2019 18:43

Tgt Ion:172 Resp: 2551274
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.5 45.7
 170 24.9 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

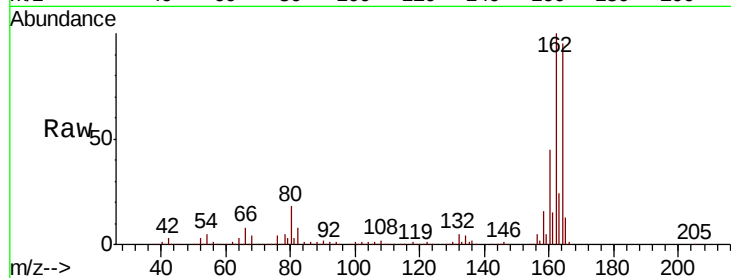




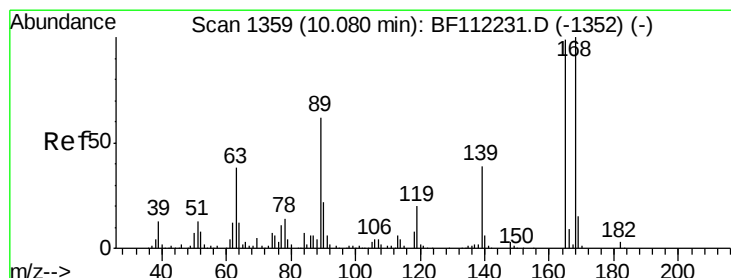
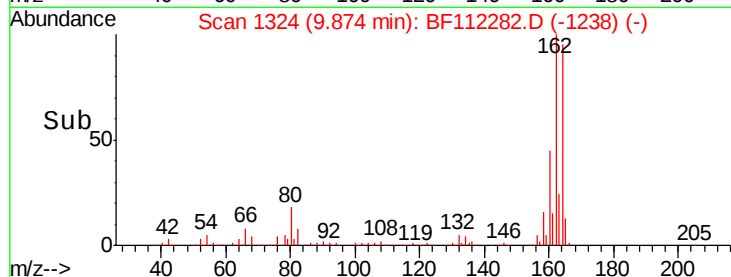
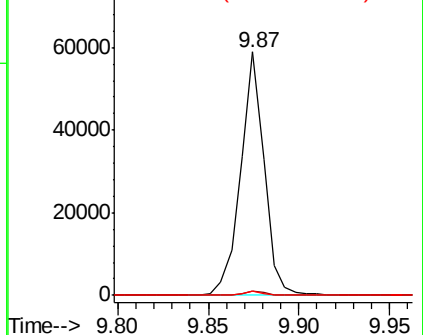
#51
 2,6-Dinitrotoluene
 Concen: 7.309 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF112282.D
 Acq: 28 Jan 2019 18:43

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



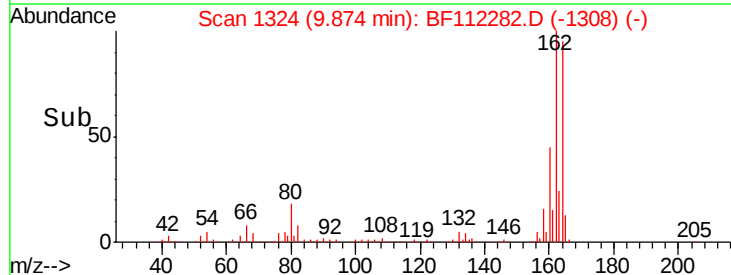
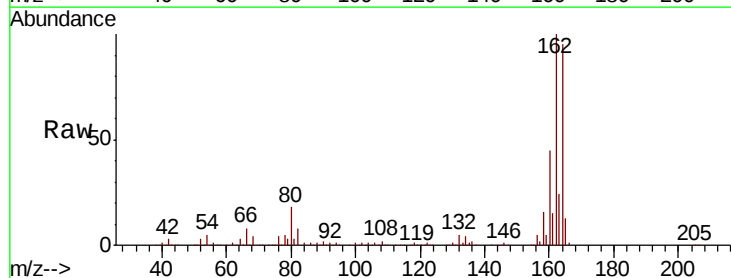
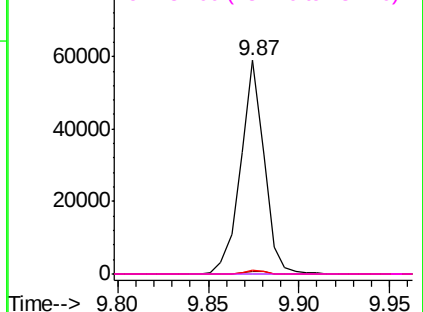
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

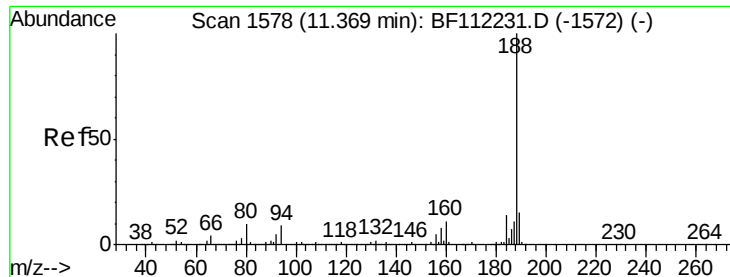


#57
 2,4-Dinitrotoluene
 Concen: 5.741 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF112282.D
 Acq: 28 Jan 2019 18:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	27.9	41.9#
89	1.5	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# 1577

Delta R.T. -0.01 min

Lab File: BF112282.D

Acq: 28 Jan 2019 18:43

Instrument :

BNA_F

ClientSampleId :

RBR200036

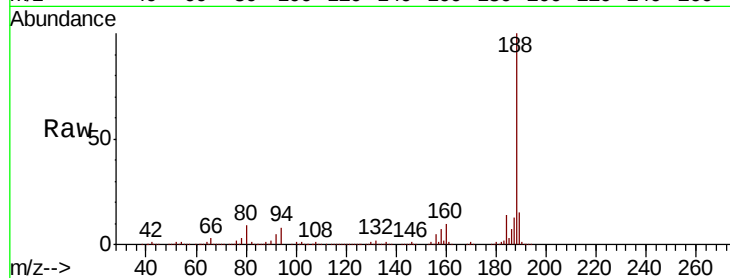
Tgt Ion:188 Resp: 815132

Ion Ratio Lower Upper

188 100

94 8.4 8.2 12.2

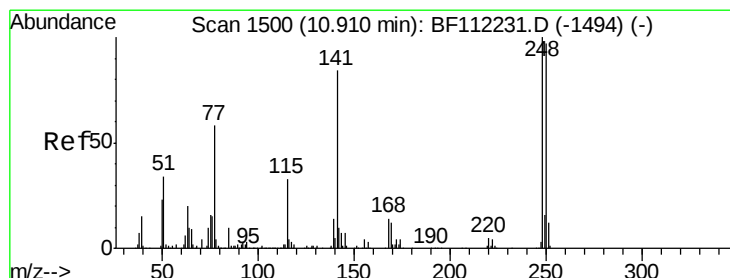
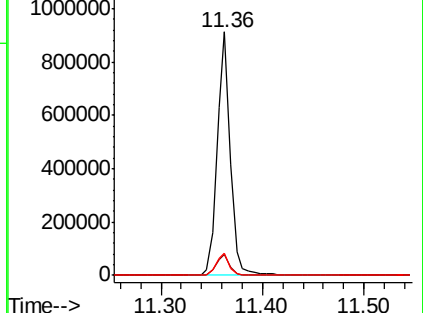
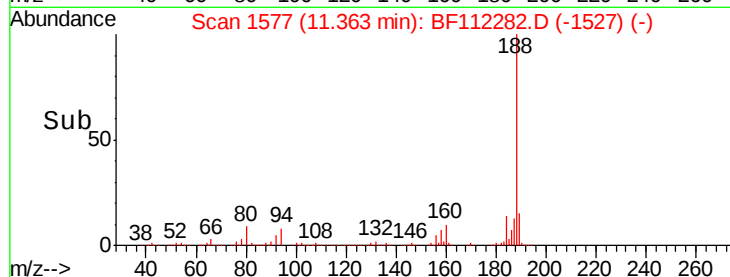
80 9.1 8.9 13.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 4.331 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.24 min

Lab File: BF112282.D

Acq: 28 Jan 2019 18:43

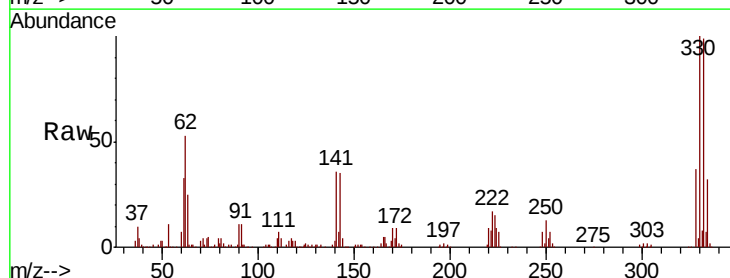
Tgt Ion:248 Resp: 41524

Ion Ratio Lower Upper

248 100

250 197.6 79.7 119.5#

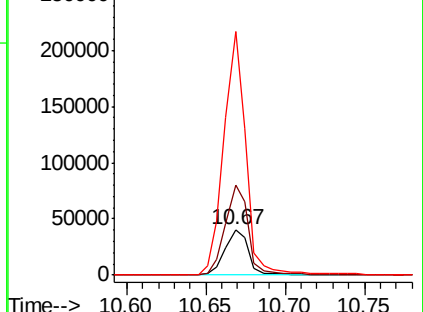
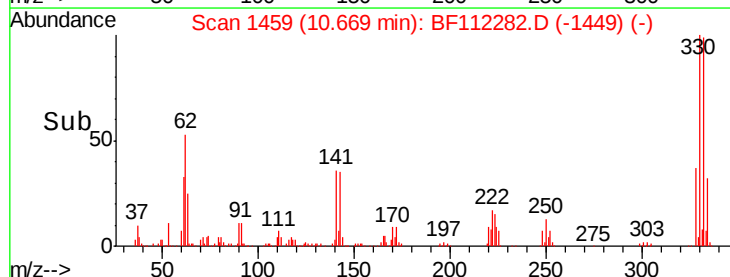
141 533.4 60.3 90.5#

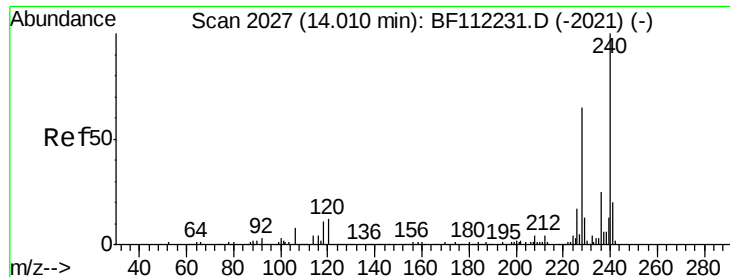


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

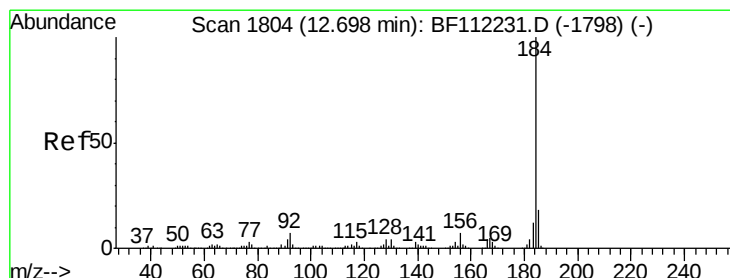
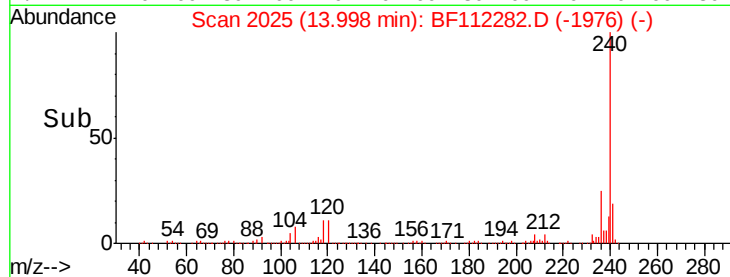
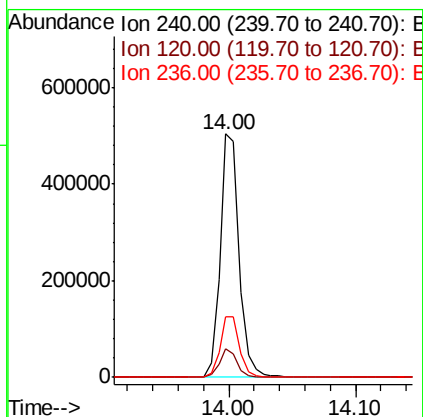
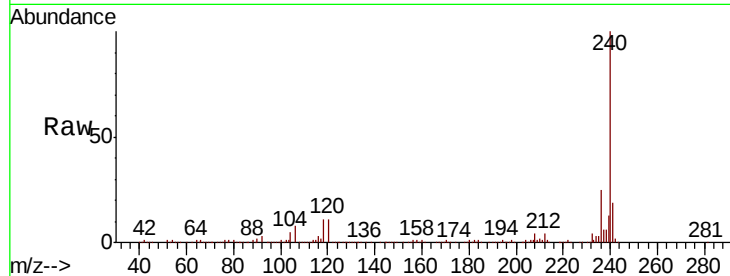




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112282.D
Acq: 28 Jan 2019 18:43

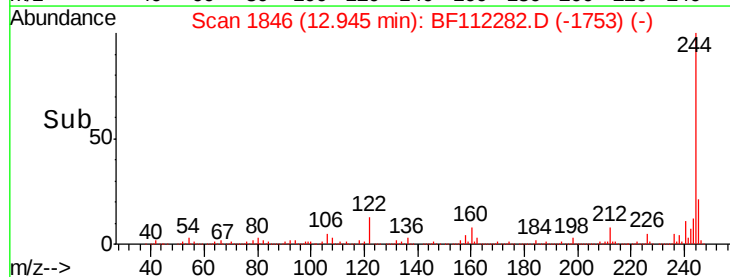
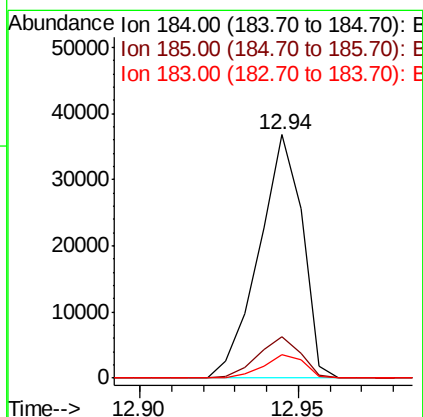
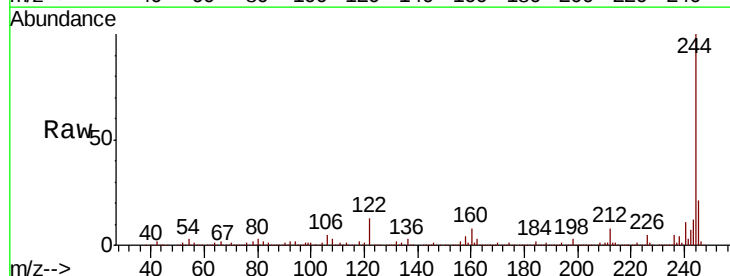
Instrument :
BNA_F
ClientSampleId :
RBR200036

Tgt Ion:240 Resp: 525519
Ion Ratio Lower Upper
240 100
120 11.5 9.0 13.6
236 24.8 20.7 31.1



#77
Benzidine
Concen: 2.420 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.25 min
Lab File: BF112282.D
Acq: 28 Jan 2019 18:43

Tgt Ion:184 Resp: 34998
Ion Ratio Lower Upper
184 100
185 17.1 13.9 20.9
183 9.4 10.0 15.0#





#79

Terphenyl-d14

Concen: 90.445 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112282.D

Acq: 28 Jan 2019 18:43

Instrument :

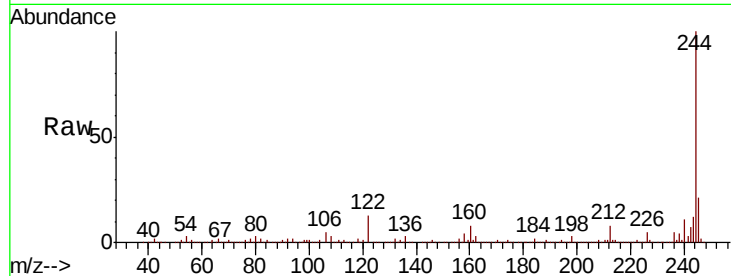
BNA_F

ClientSampleId :

RBR200036

Tgt Ion:244 Resp: 2523587

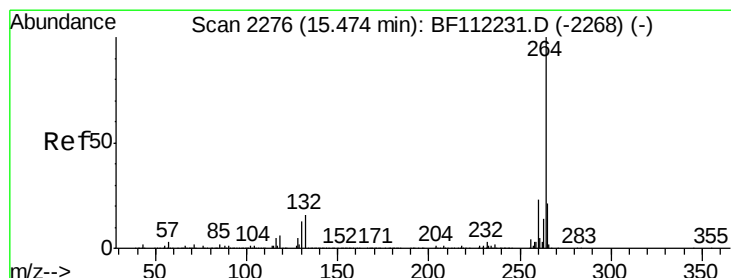
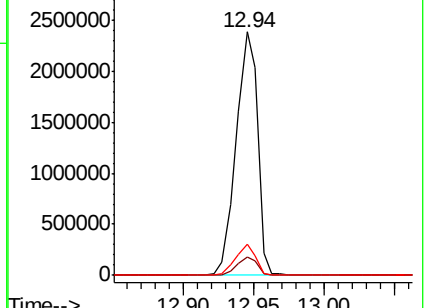
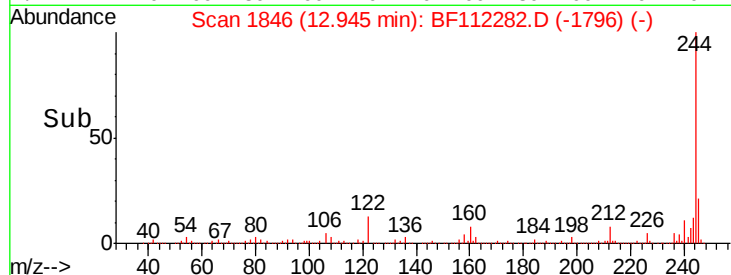
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.9	8.9
122	13.0	9.8	14.6



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

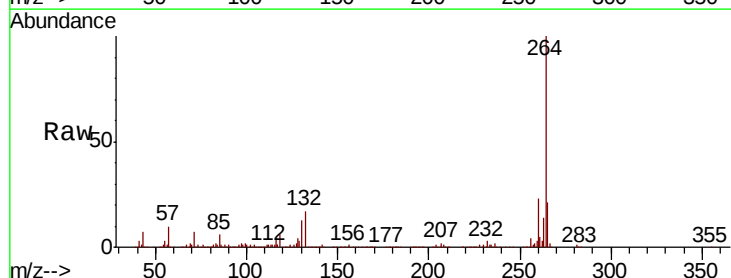
Delta R.T. -0.01 min

Lab File: BF112282.D

Acq: 28 Jan 2019 18:43

Tgt Ion:264 Resp: 415682

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.2
265	20.7	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

