

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF013019\
 Data File : BF112332.D
 Acq On : 30 Jan 2019 20:08
 Operator : JU/SJ
 Sample : K1282-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Jan 30 23:45:12 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

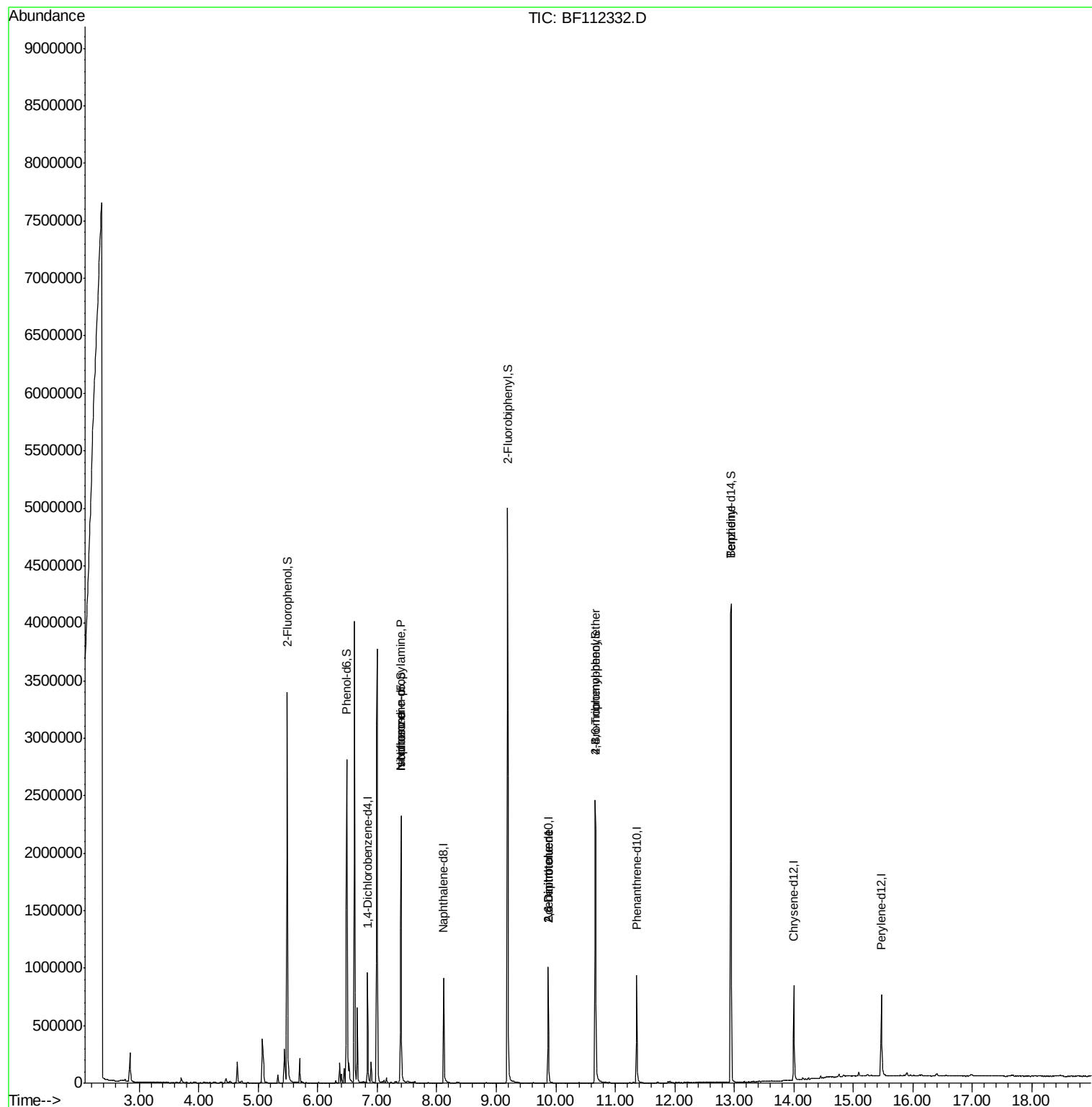
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	137263	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	500826	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	221810	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	392974	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	323933	20.00	ng	-0.01
87) Perylene-d12	15.47	264	339328	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	965687	149.43	ng	0.00
7) Phenol-d6	6.49	99	1049032	116.82	ng	0.00
23) Nitrobenzene-d5	7.40	82	837961	96.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	364588	141.21	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1650474	105.24	ng	-0.01
79) Terphenyl-d14	12.94	244	1507993	87.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	115131	18.594	ng	# 78
25) Isophorone	7.40	82	837955	61.453	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	28167	7.298	ng	# 33
57) 2,4-Dinitrotoluene	9.87	165	28167	5.732	ng	# 31
67) 4-Bromophenyl-phenylether	10.67	248	20639	4.465	ng	# 1
77) Benzidine	12.94	184	20300	2.277	ng	# 94

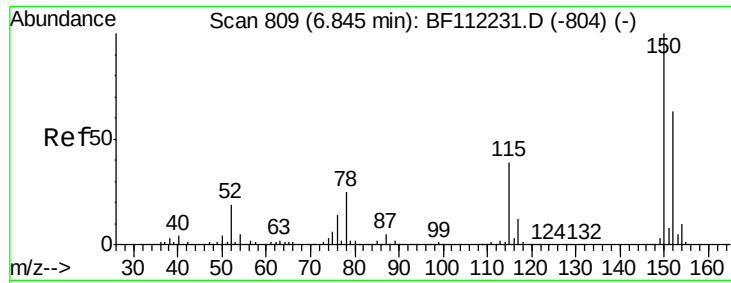
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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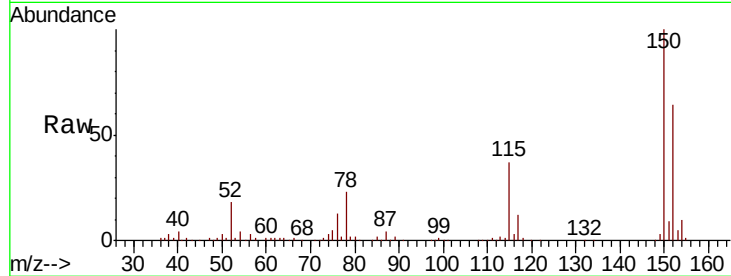


#1

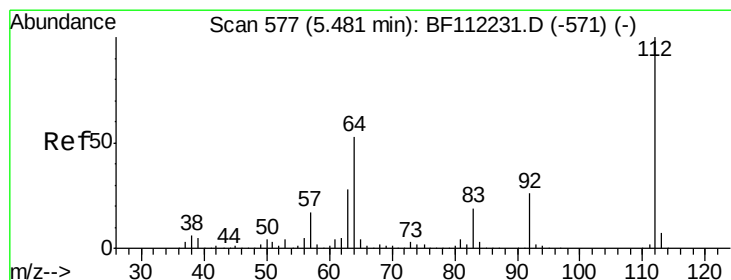
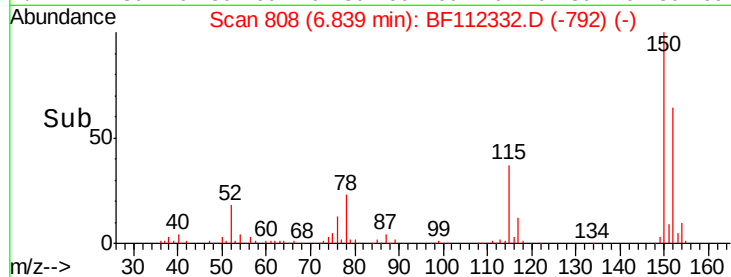
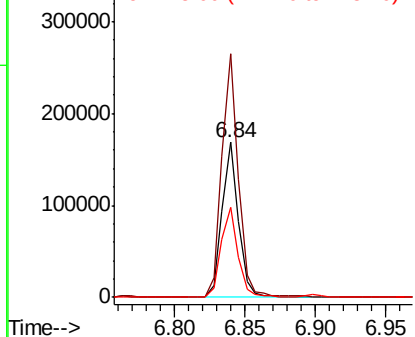
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112332.D
Acq: 30 Jan 2019 20:08

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:152 Resp: 137263
Ion Ratio Lower Upper
152 100
150 157.2 127.4 191.0
115 58.3 45.5 68.3



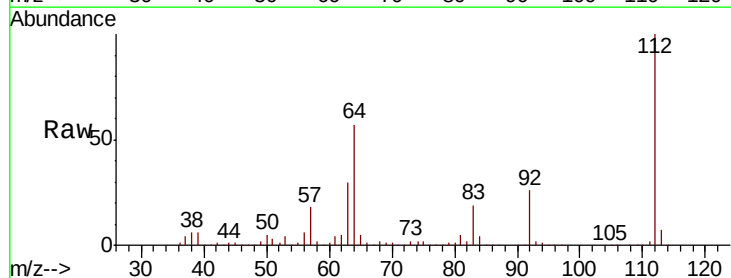
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



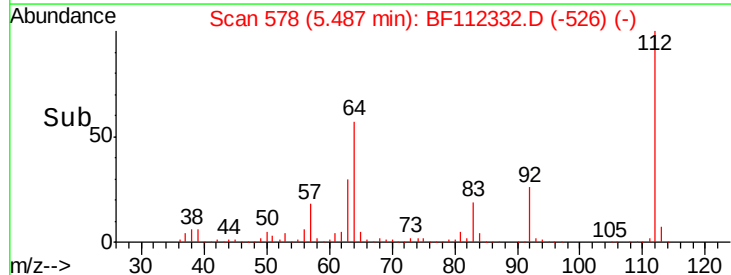
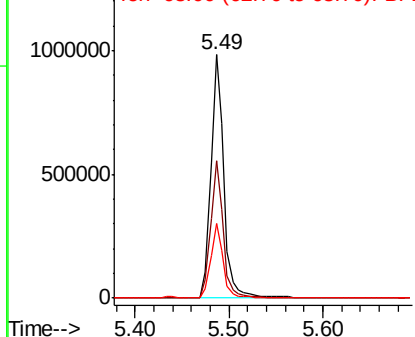
#5

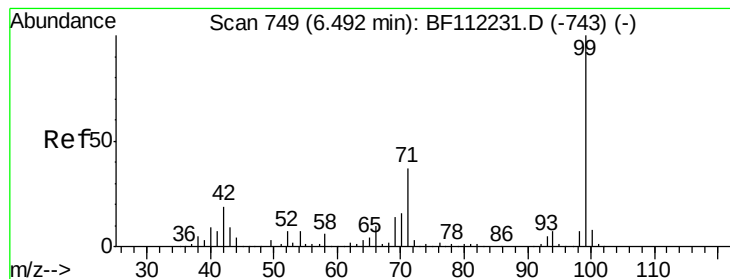
2-Fluorophenol
Concen: 149.434 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF112332.D
Acq: 30 Jan 2019 20:08

Tgt Ion:112 Resp: 965687
Ion Ratio Lower Upper
112 100
64 56.5 45.7 68.5
63 30.4 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: 116.823 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112332.D

Acq: 30 Jan 2019 20:08

Instrument :

BNA_F

ClientSampled :

TP-4

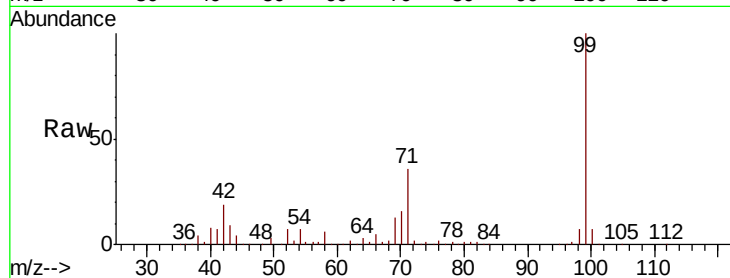
Tgt Ion: 99 Resp: 1049032

Ion Ratio Lower Upper

99 100

42 19.2 15.1 22.7

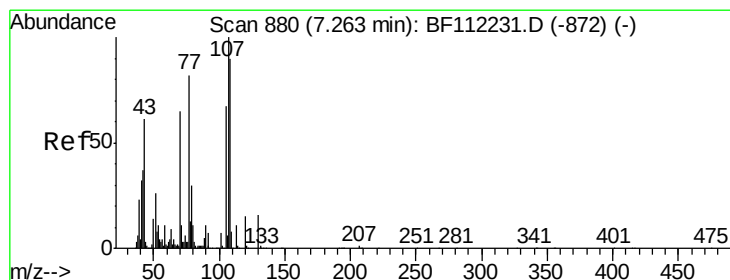
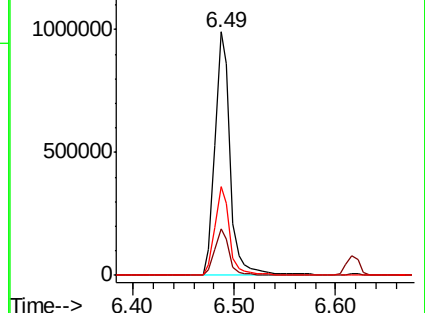
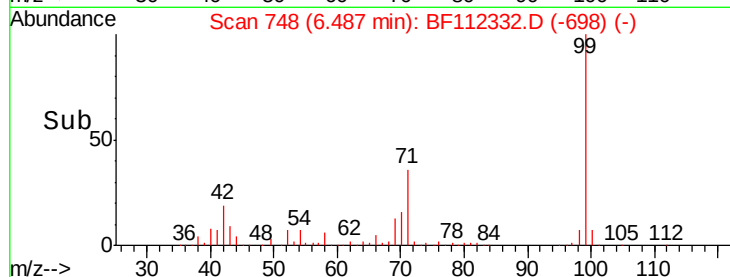
71 36.3 26.9 40.3



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: 18.594 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112332.D

Acq: 30 Jan 2019 20:08

Tgt Ion: 70 Resp: 115131

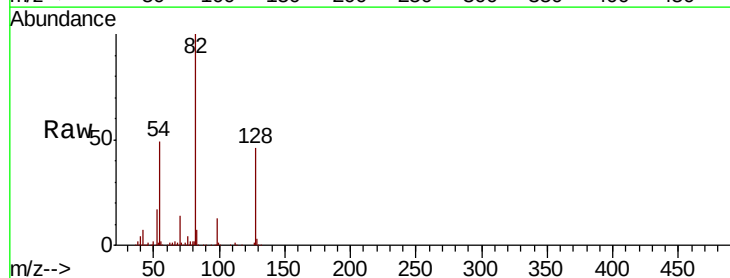
Ion Ratio Lower Upper

70 100

42 49.1 47.6 71.4

101 0.0 7.9 11.9#

130 2.2 18.4 27.6#

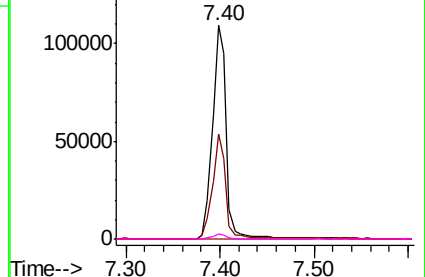
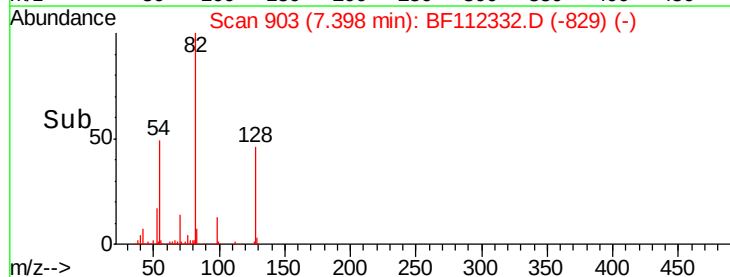


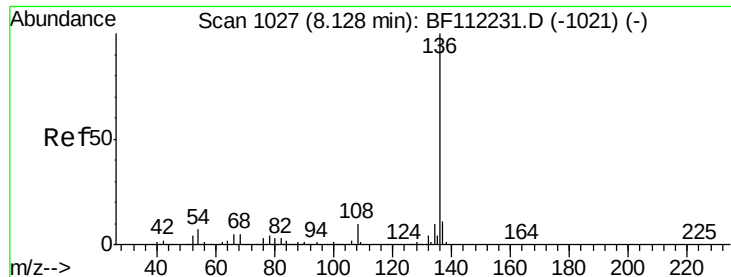
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

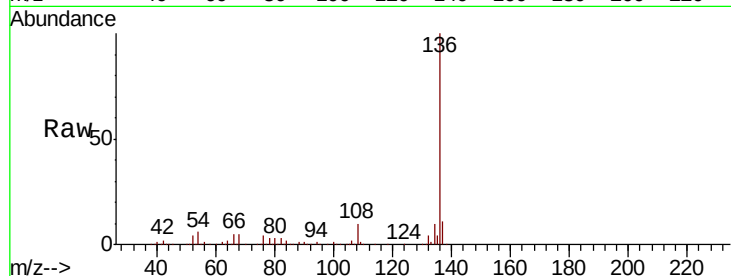




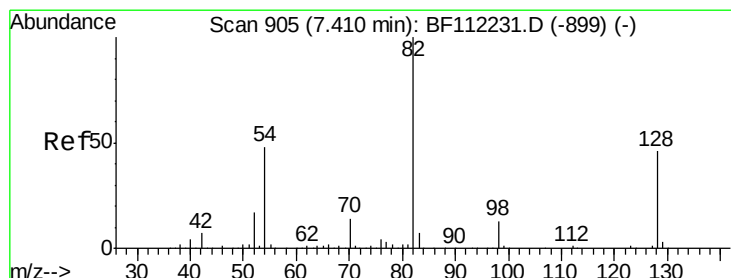
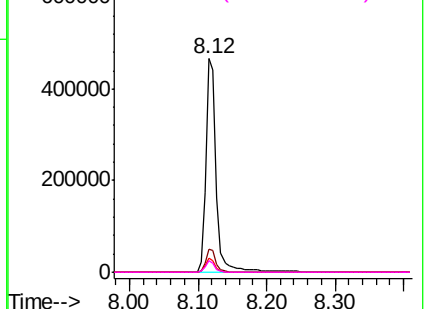
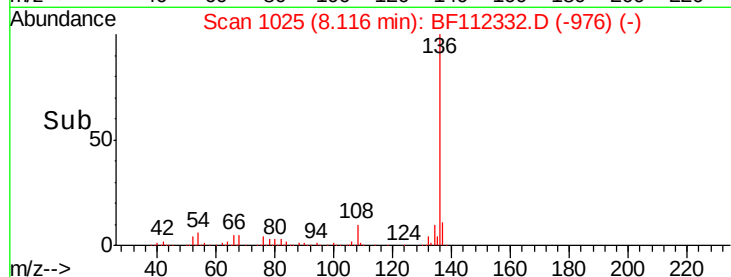
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112332.D
Acq: 30 Jan 2019 20:08

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:	136	Resp:	500826
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.4	5.9	8.9
68	5.2	5.1	7.7

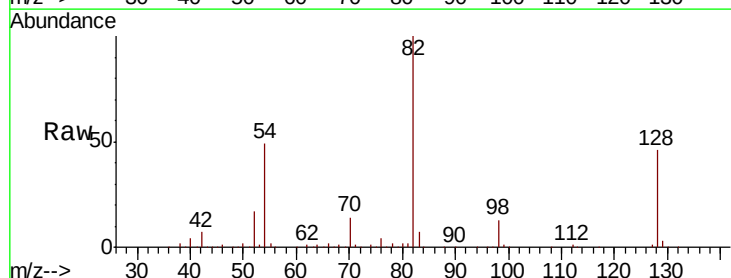


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

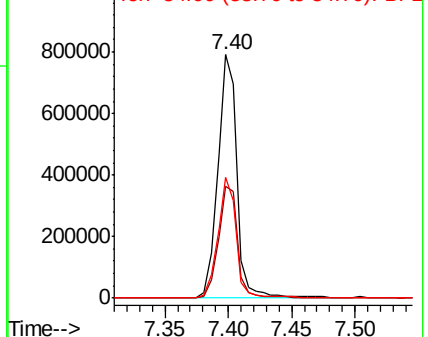
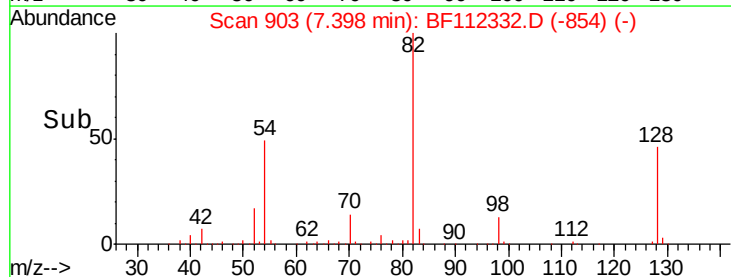


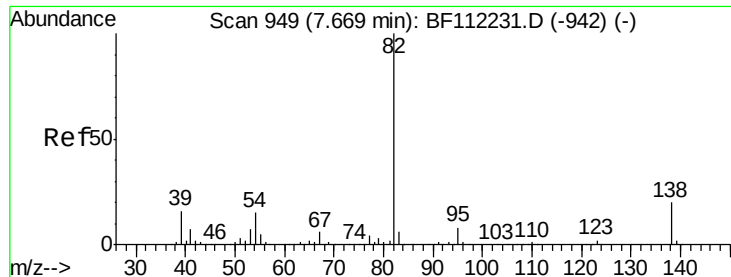
#23
Nitrobenzene-d5
Concen: 96.407 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112332.D
Acq: 30 Jan 2019 20:08

Tgt Ion:	82	Resp:	837961
Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.8	56.8
54	49.4	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: 61.453 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112332.D

Acq: 30 Jan 2019 20:08

Instrument :

BNA_F

ClientSampleId :

TP-4

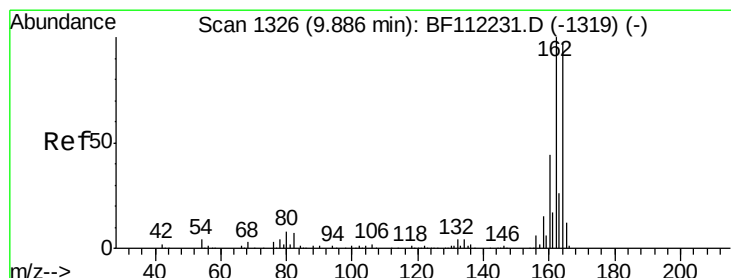
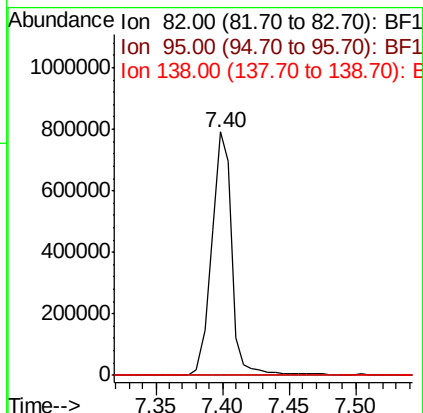
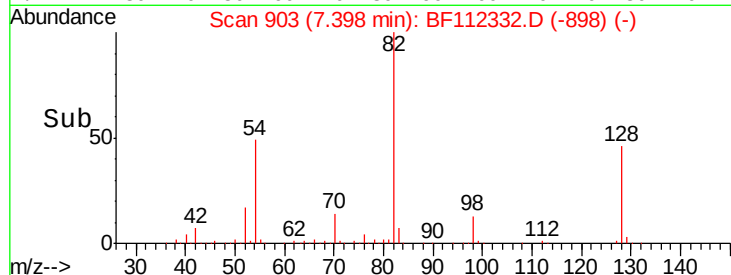
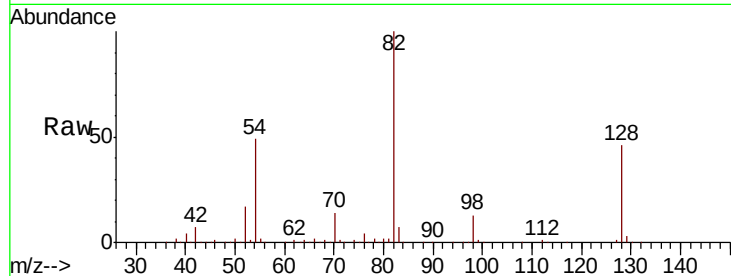
Tgt Ion: 82 Resp: 837955

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# 1324

Delta R.T. -0.01 min

Lab File: BF112332.D

Acq: 30 Jan 2019 20:08

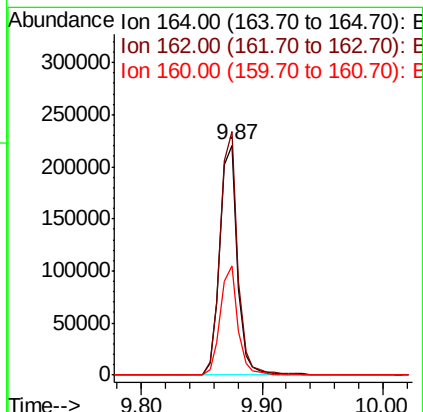
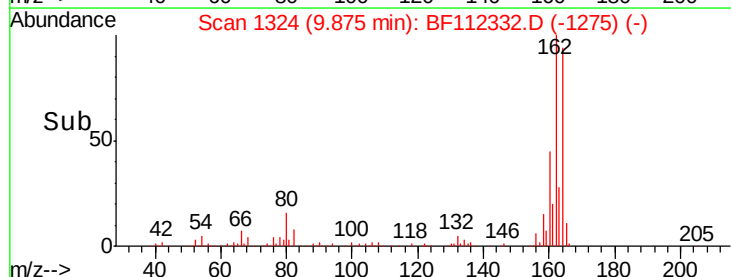
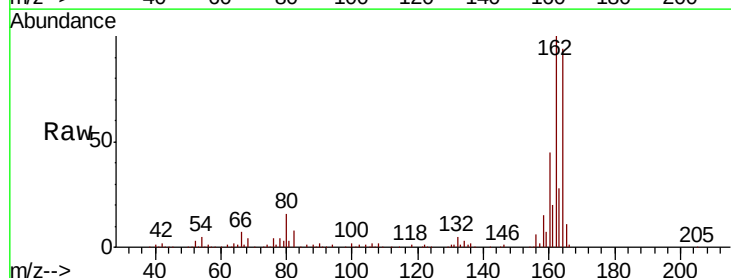
Tgt Ion: 164 Resp: 221810

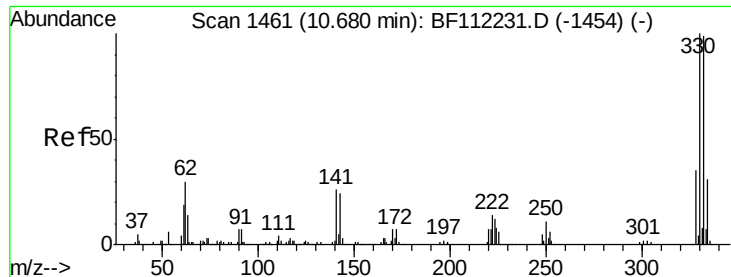
Ion Ratio Lower Upper

164 100

162 105.9 82.2 123.4

160 47.5 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 141.214 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112332.D

Acq: 30 Jan 2019 20:08

Instrument :

BNA_F

ClientSampleId :

TP-4

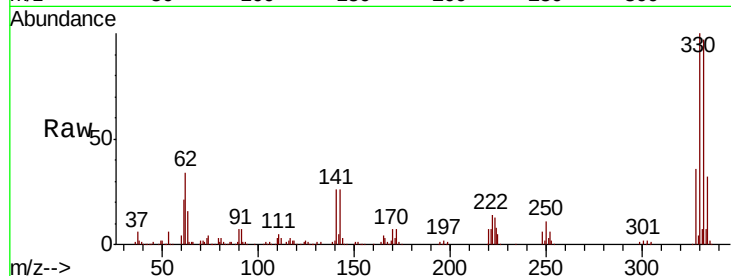
Tgt Ion:330 Resp: 364588

Ion Ratio Lower Upper

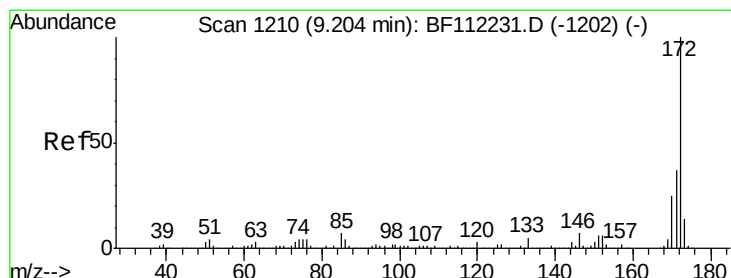
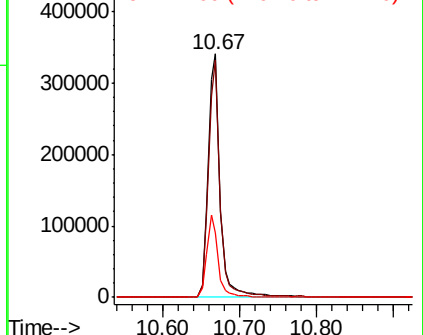
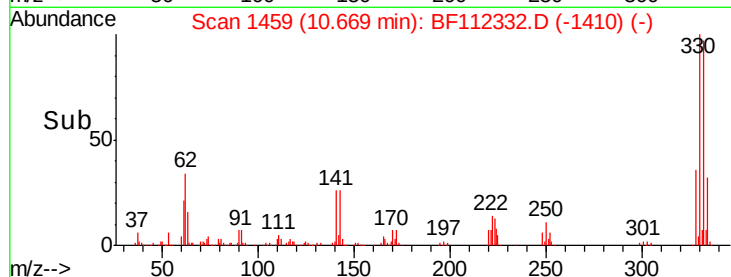
330 100

332 95.3 76.6 114.8

141 32.3 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: 105.240 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112332.D

Acq: 30 Jan 2019 20:08

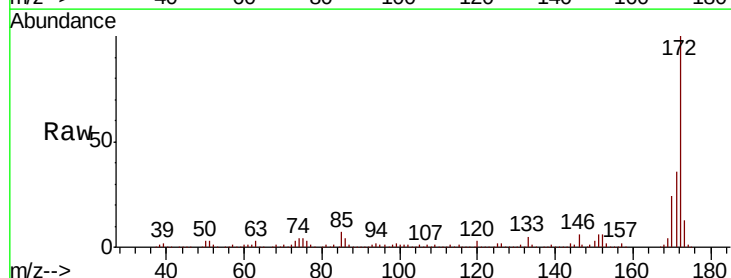
Tgt Ion:172 Resp: 1650474

Ion Ratio Lower Upper

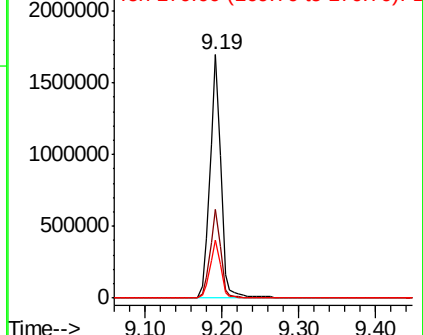
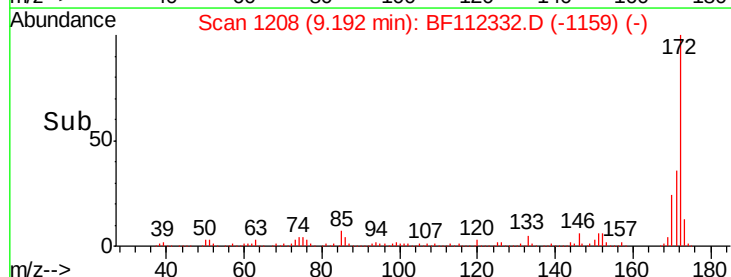
172 100

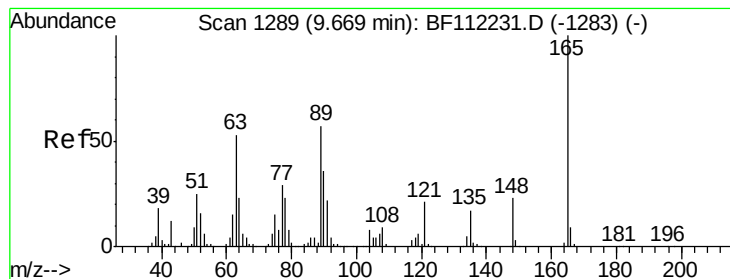
171 36.2 30.5 45.7

170 24.0 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: 7.298 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.20 min

Lab File: BF112332.D

Acq: 30 Jan 2019 20:08

Instrument :

BNA_F

ClientSampleId :

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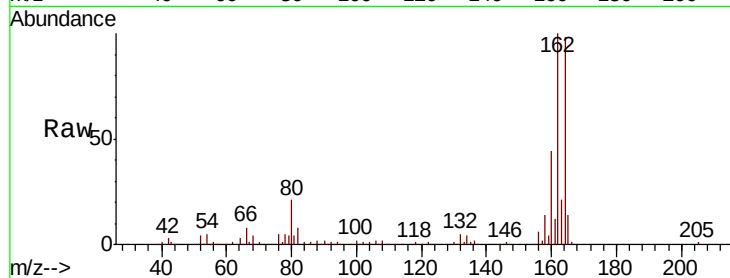
Tgt Ion:165 Resp: 28167

Ion Ratio Lower Upper

165 100

63 0.0 33.8 50.8#

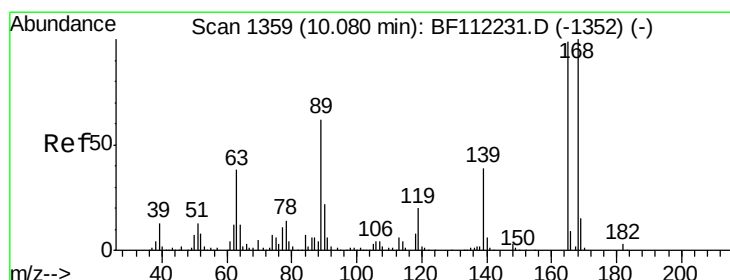
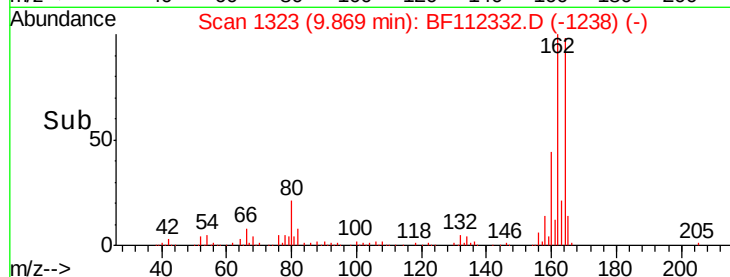
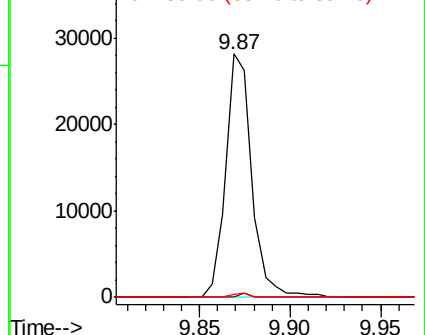
89 1.2 36.9 55.3#



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: 5.732 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112332.D

Acq: 30 Jan 2019 20:08

Tgt Ion:165 Resp: 28167

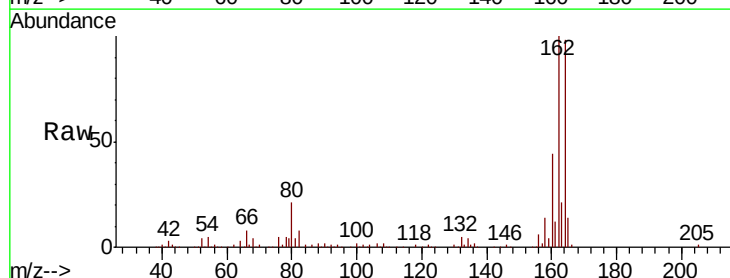
Ion Ratio Lower Upper

165 100

63 0.0 27.9 41.9#

89 1.2 47.9 71.9#

182 0.0 2.2 3.4#

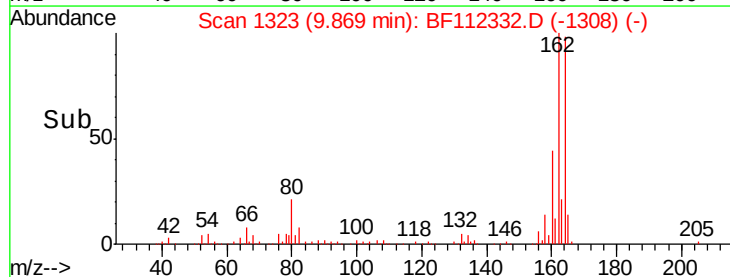
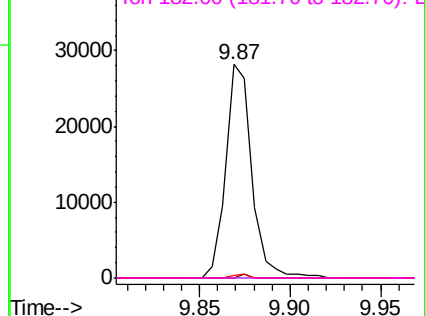


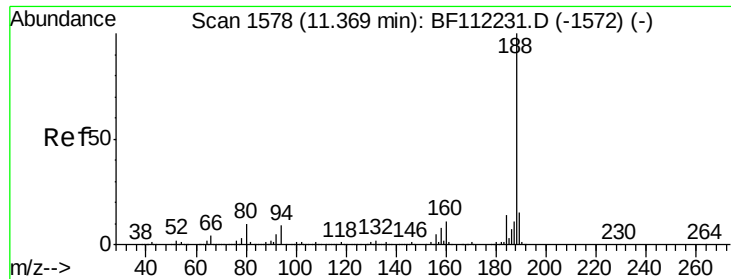
Abundance Ion 165.00 (164.70 to 165.70): E

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

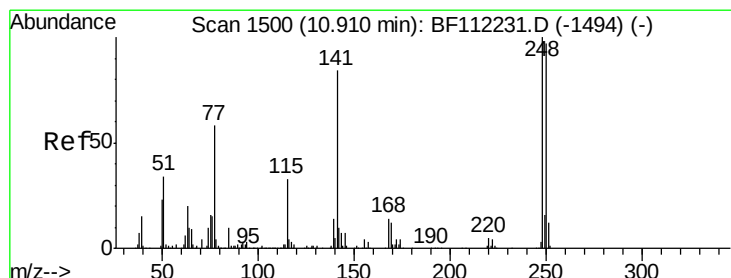
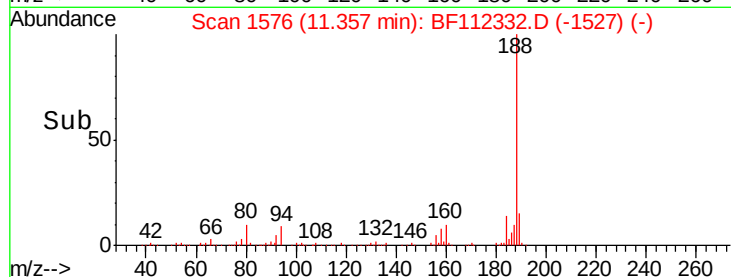
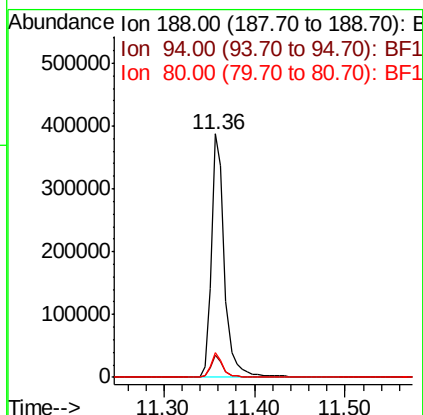
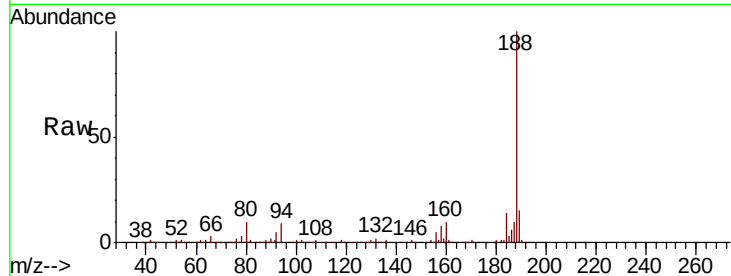




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112332.D
Acq: 30 Jan 2019 20:08

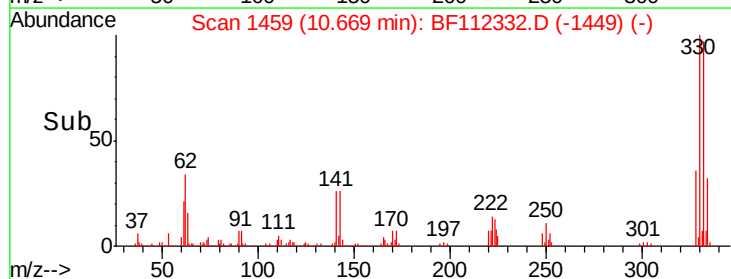
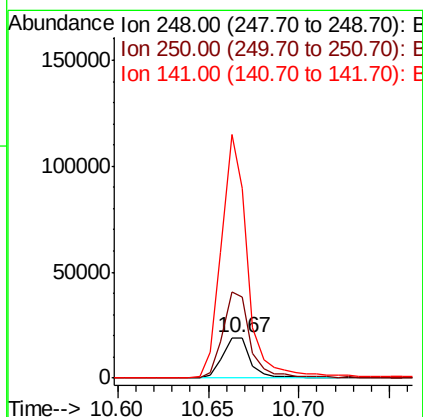
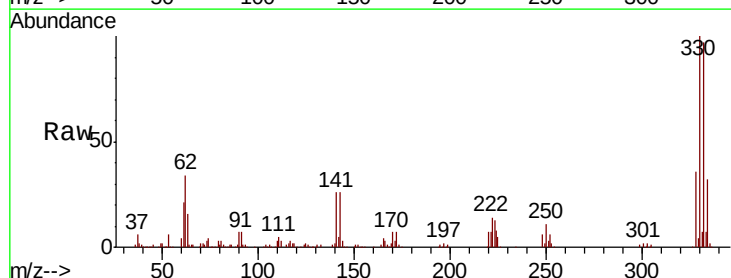
Instrument :
BNA_F
ClientSampleId :
TP-4

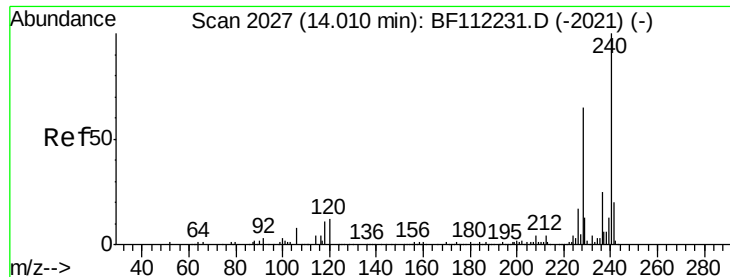
Tgt Ion:188 Resp: 392974
Ion Ratio Lower Upper
188 100
94 9.0 8.2 12.2
80 9.9 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 4.465 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.24 min
Lab File: BF112332.D
Acq: 30 Jan 2019 20:08

Tgt Ion:248 Resp: 20639
Ion Ratio Lower Upper
248 100
250 202.2 79.7 119.5#
141 472.9 60.3 90.5#

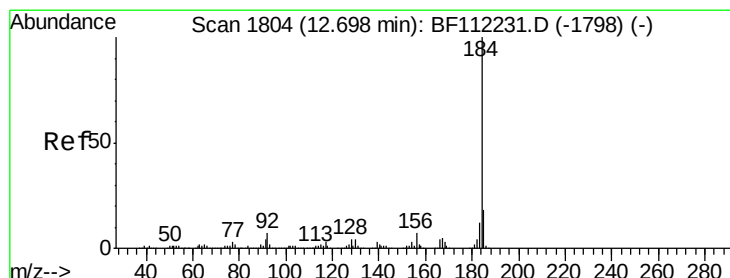
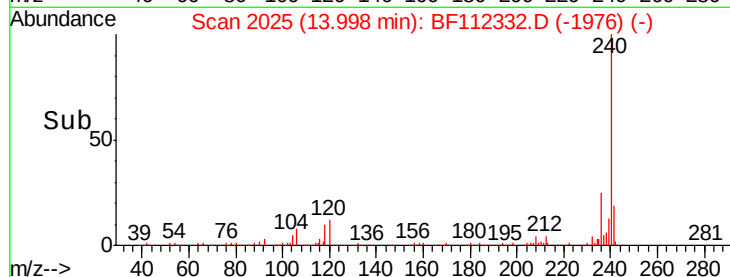
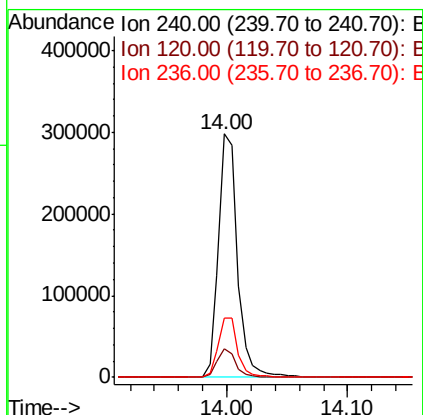
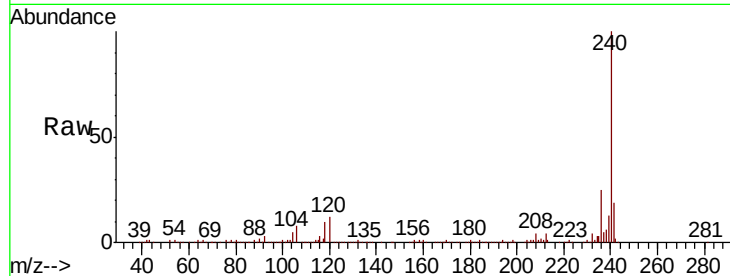




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112332.D
Acq: 30 Jan 2019 20:08

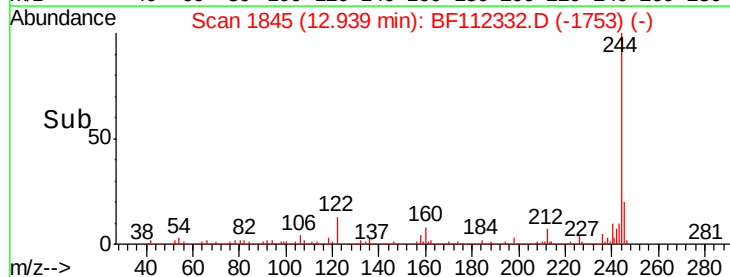
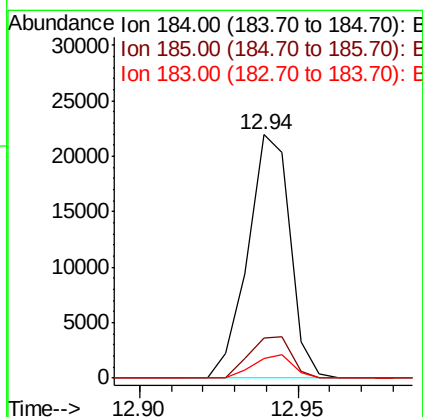
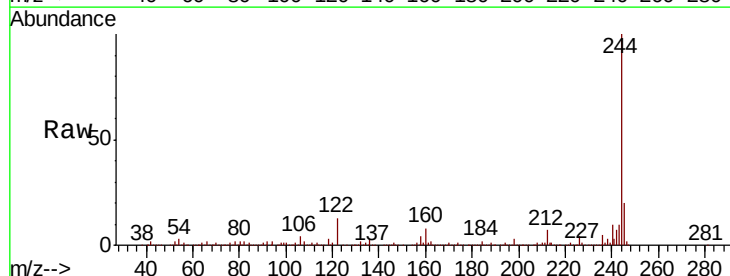
Instrument :
BNA_F
ClientSampleId :
TP-4

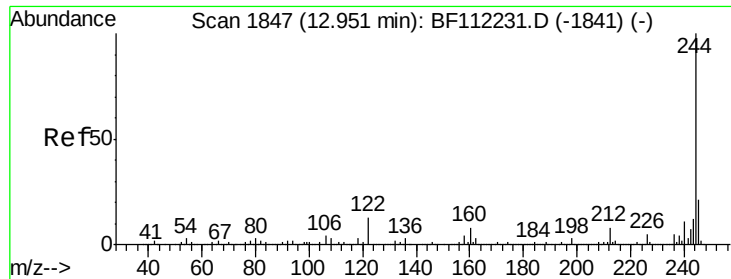
Tgt Ion:240 Resp: 323933
Ion Ratio Lower Upper
240 100
120 11.8 9.0 13.6
236 24.5 20.7 31.1



#77
Benzidine
Concen: 2.277 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.24 min
Lab File: BF112332.D
Acq: 30 Jan 2019 20:08

Tgt Ion:184 Resp: 20300
Ion Ratio Lower Upper
184 100
185 16.2 13.9 20.9
183 8.3 10.0 15.0#





#79

Terphenyl-d14

Concen: 87.679 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112332.D

Acq: 30 Jan 2019 20:08

Instrument :

BNA_F

ClientSampleId :

TP-4

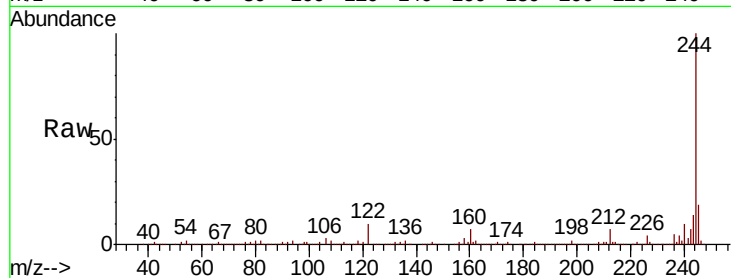
Tgt Ion:244 Resp: 1507993

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

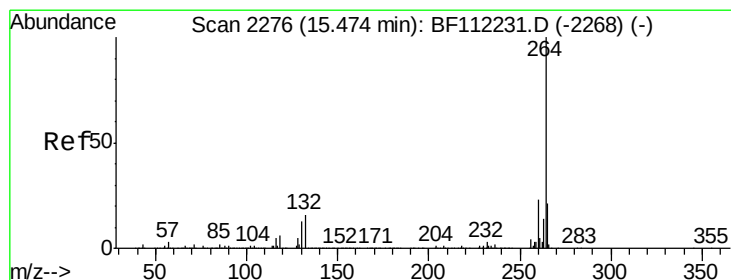
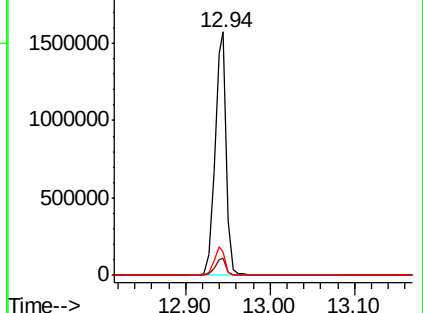
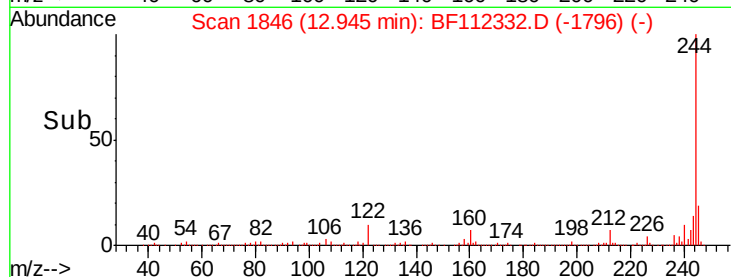
122 9.9 9.8 14.6



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: BF112332.D

Acq: 30 Jan 2019 20:08

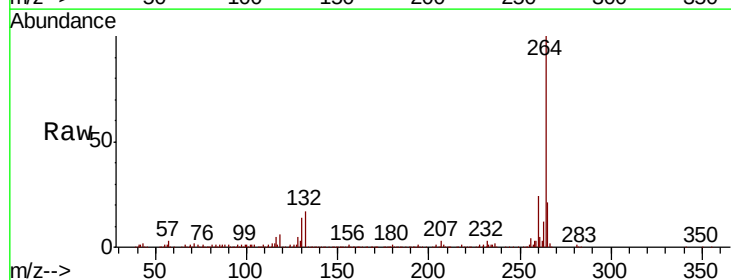
Tgt Ion:264 Resp: 339328

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.2

265 21.1 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

