

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020619\
 Data File : BF112427.D
 Acq On : 6 Feb 2019 18:31
 Operator : JU/SJ
 Sample : K1356-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-020519-A

Quant Time: Feb 06 23:54:39 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

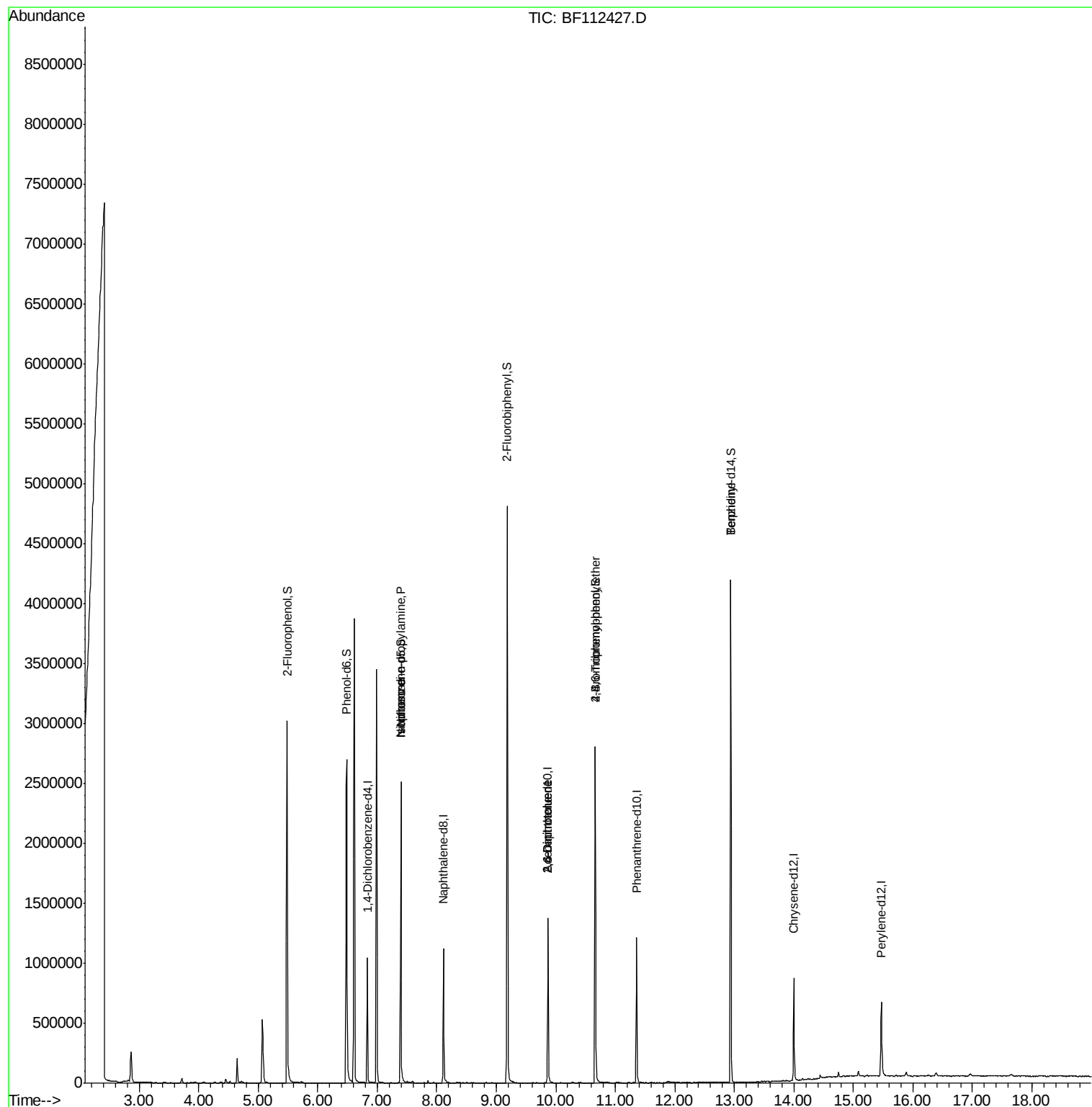
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	151716	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	579524	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	270732	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	448089	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	319461	20.00	ng	-0.01
87) Perylene-d12	15.47	264	305556	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	946537	132.52	ng	0.00
7) Phenol-d6	6.49	99	1046489	105.44	ng	0.00
23) Nitrobenzene-d5	7.40	82	836946	83.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	376092	119.35	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1643926	85.88	ng	-0.02
79) Terphenyl-d14	12.94	244	1354115	79.83	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	114652	16.753	ng	# 75
25) Isophorone	7.40	82	836940	53.043	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	33608	7.134	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	33608	5.604	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	22598	4.288	ng	# 1
77) Benzidine	12.94	184	18307	2.082	ng	# 95

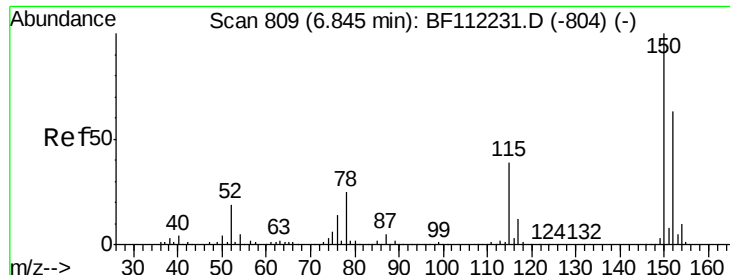
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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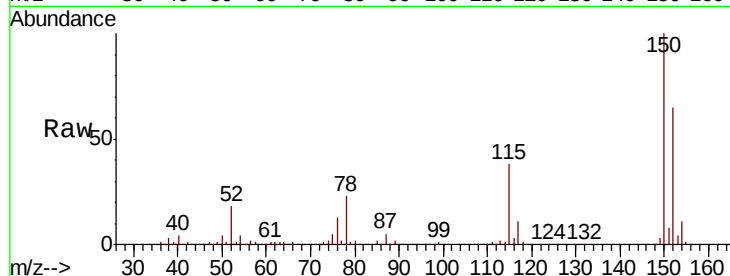


#1

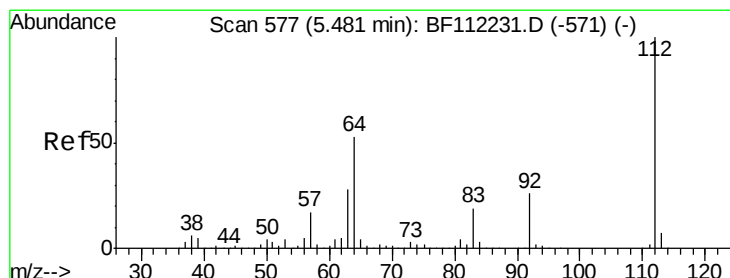
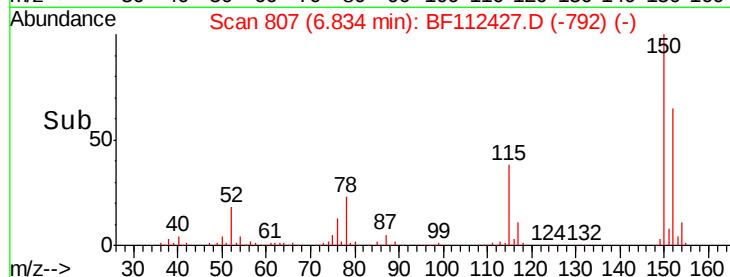
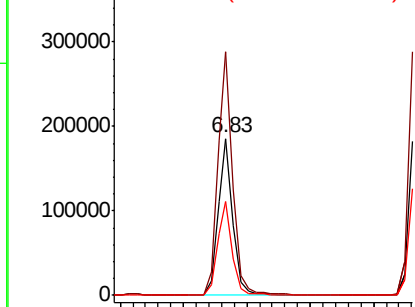
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112427.D
 Acq: 6 Feb 2019 18:31

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-020519-A

Tgt Ion:152 Resp: 151716
 Ion Ratio Lower Upper
 152 100
 150 154.9 127.4 191.0
 115 59.5 45.5 68.3



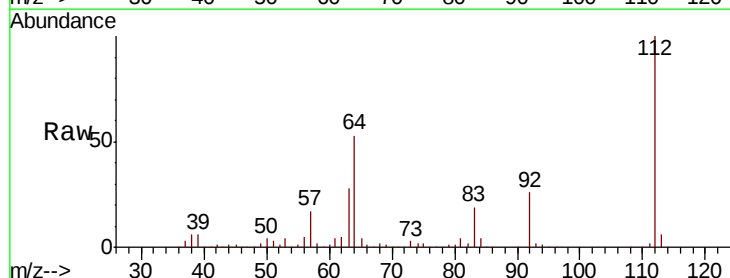
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



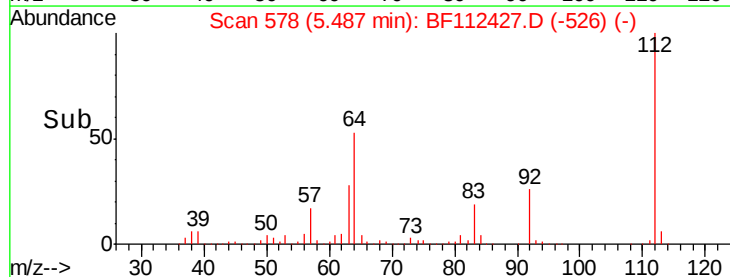
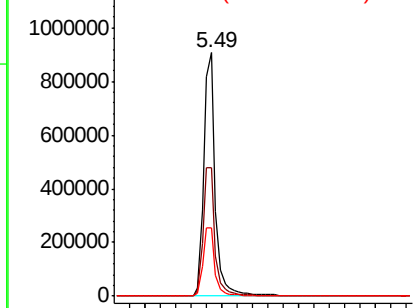
#5

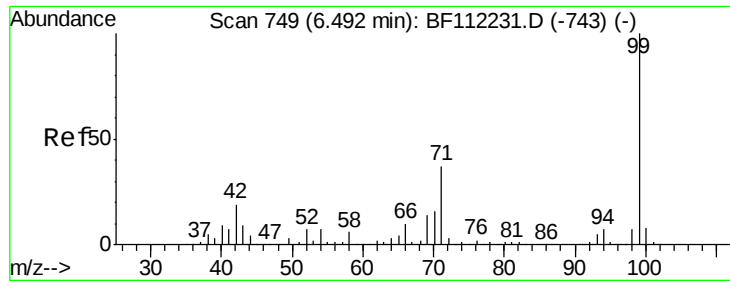
2-Fluorophenol
 Concen: 132.518 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF112427.D
 Acq: 6 Feb 2019 18:31

Tgt Ion:112 Resp: 946537
 Ion Ratio Lower Upper
 112 100
 64 52.6 45.7 68.5
 63 28.3 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: 105.438 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112427.D

Acq: 6 Feb 2019 18:31

Instrument :

BNA_F

ClientSampleId :

SU-01-020519-A

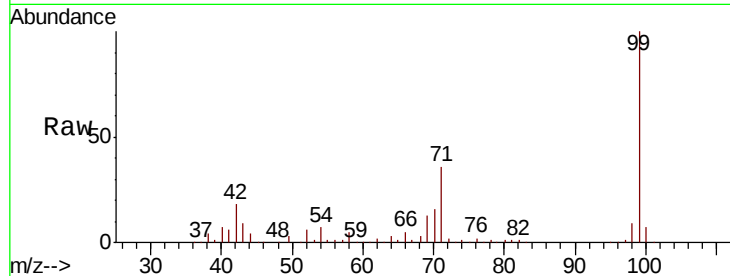
Tgt Ion: 99 Resp: 1046489

Ion Ratio Lower Upper

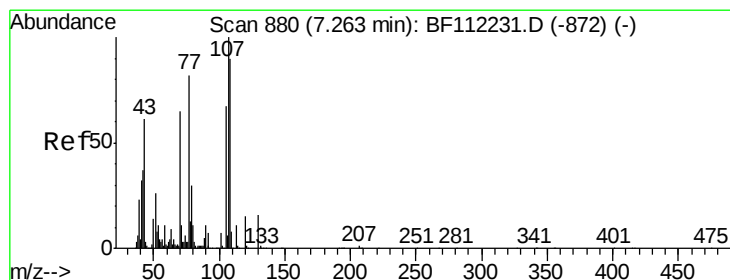
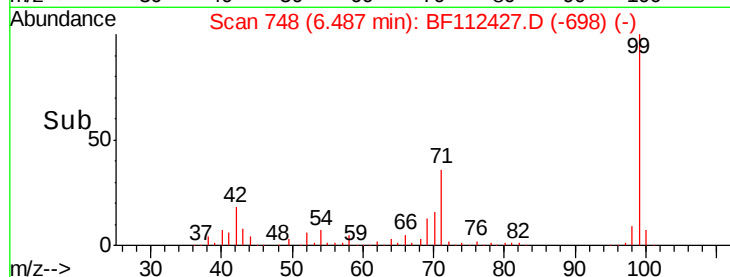
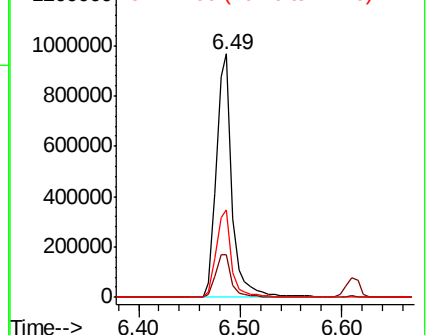
99 100

42 17.7 15.1 22.7

71 35.7 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: 16.753 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112427.D

Acq: 6 Feb 2019 18:31

Tgt Ion: 70 Resp: 114652

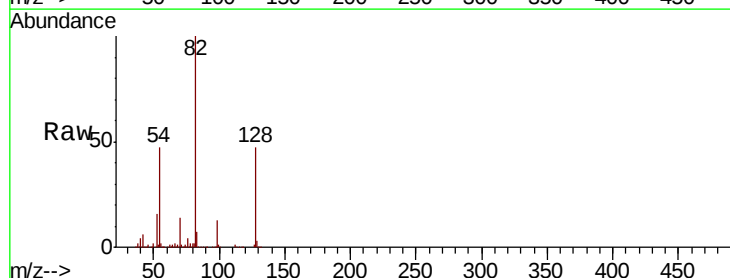
Ion Ratio Lower Upper

70 100

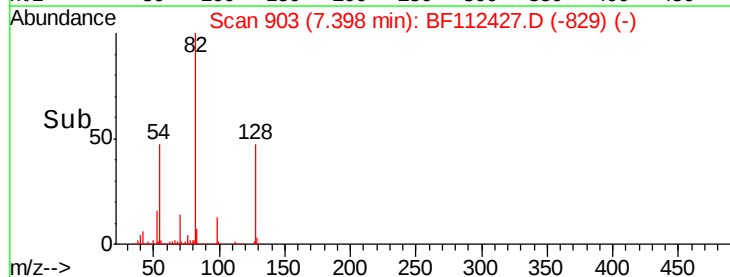
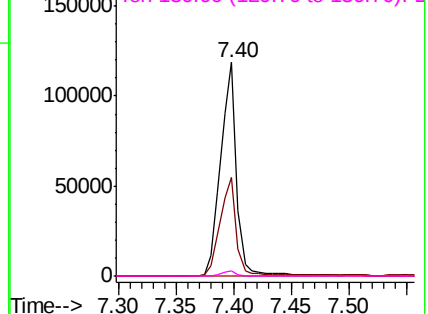
42 46.2 47.6 71.4#

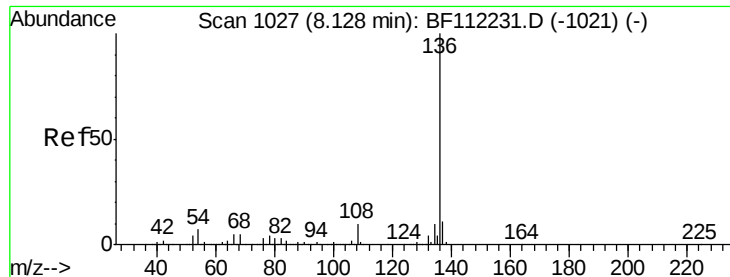
101 0.0 7.9 11.9#

130 2.3 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

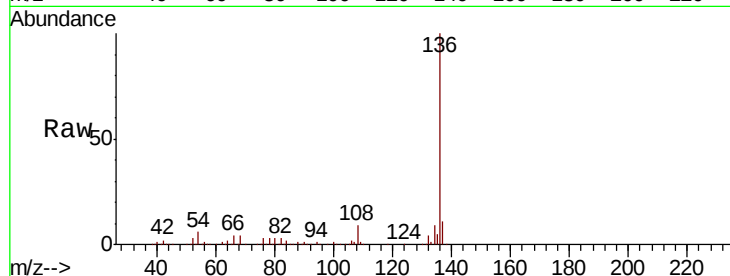




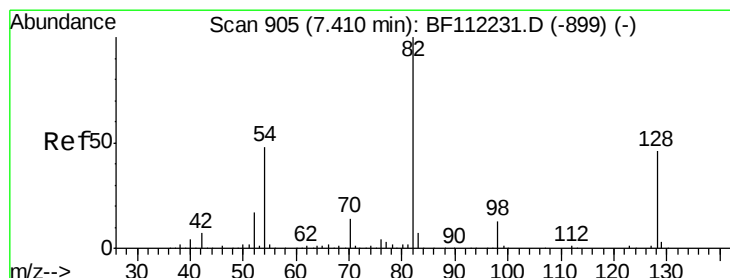
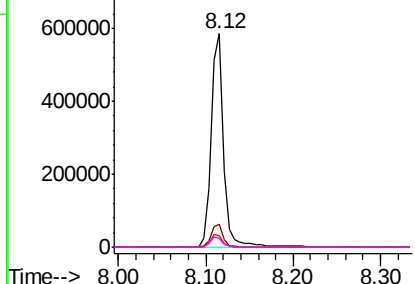
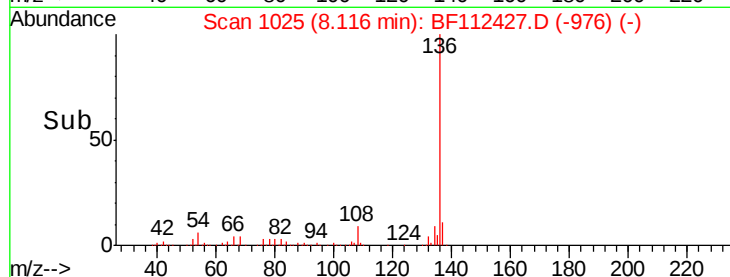
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112427.D
Acq: 6 Feb 2019 18:31

Instrument :
BNA_F
ClientSampleId :
SU-01-020519-A

Tgt Ion:	136	Resp:	579524
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.5	5.9	8.9#
68	4.4	5.1	7.7#

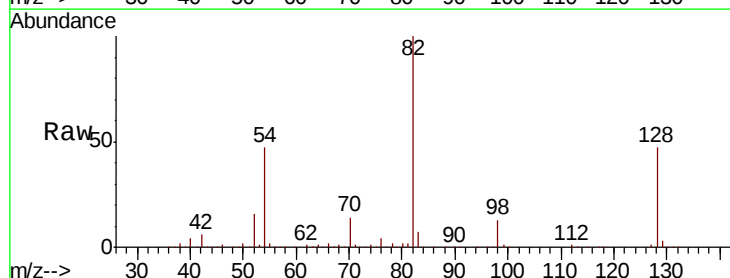


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

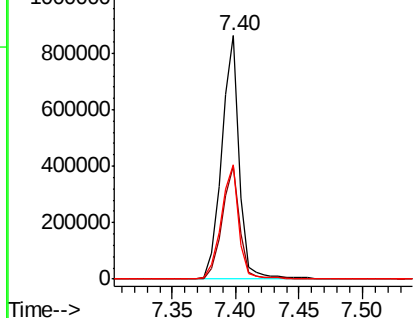
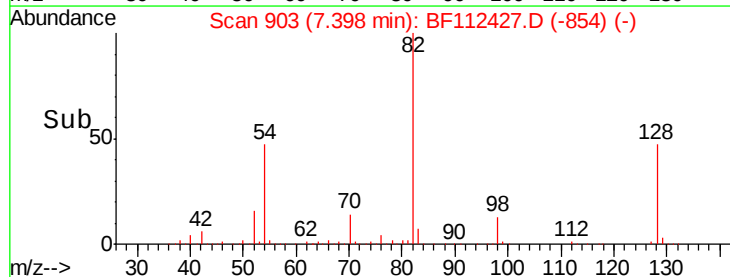


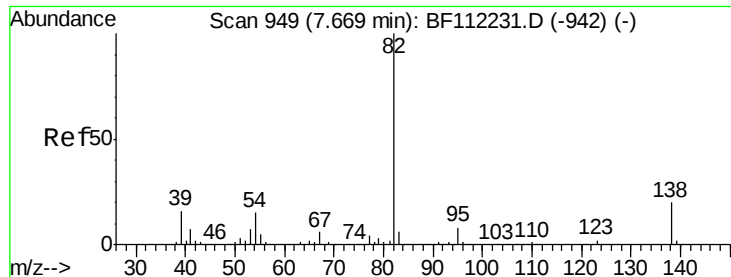
#23
Nitrobenzene-d5
Concen: 83.214 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112427.D
Acq: 6 Feb 2019 18:31

Tgt Ion:	82	Resp:	836946
Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.8	56.8
54	46.8	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: 53.043 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112427.D

Acq: 6 Feb 2019 18:31

Instrument :

BNA_F

ClientSampleId :

SU-01-020519-A

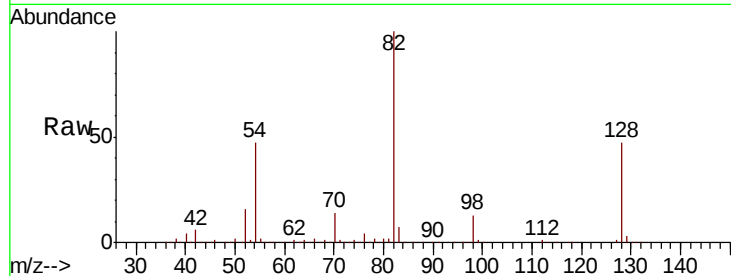
Tgt Ion: 82 Resp: 836940

Ion Ratio Lower Upper

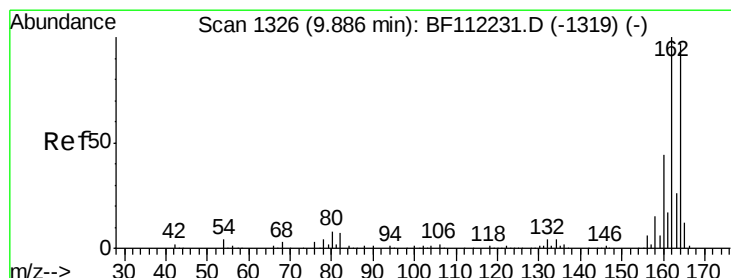
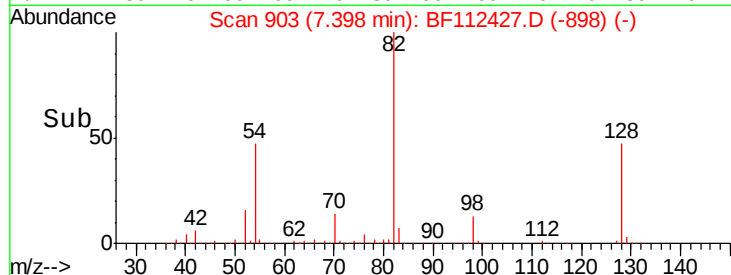
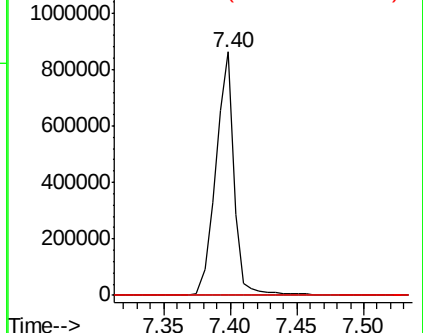
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112427.D

Acq: 6 Feb 2019 18:31

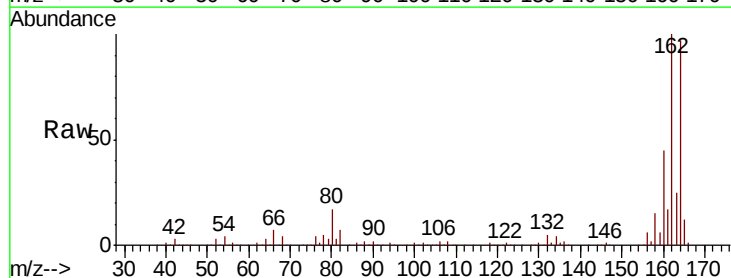
Tgt Ion: 164 Resp: 270732

Ion Ratio Lower Upper

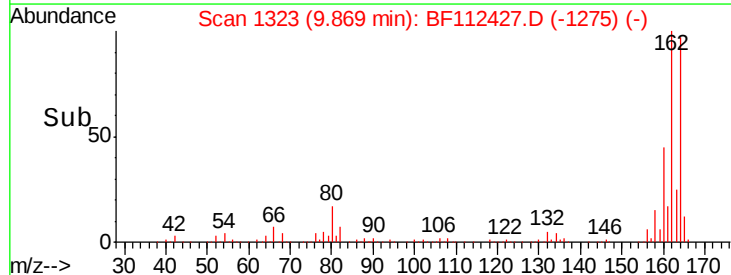
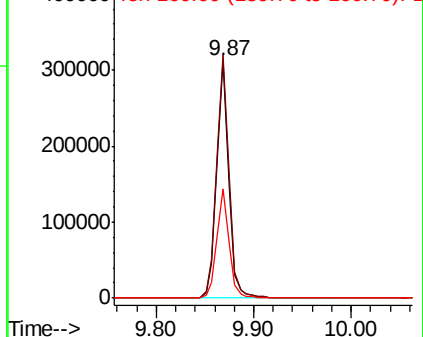
164 100

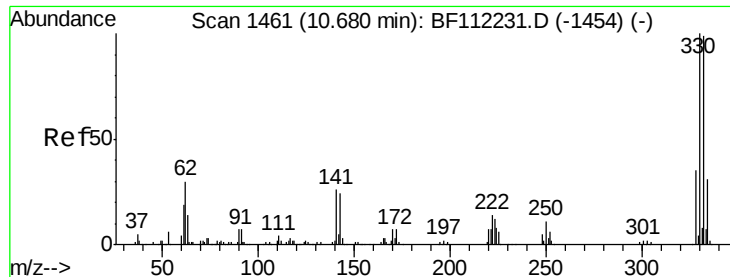
162 102.6 82.2 123.4

160 45.8 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: 119.347 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112427.D

Acq: 6 Feb 2019 18:31

Instrument :

BNA_F

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SU-01-020519-A

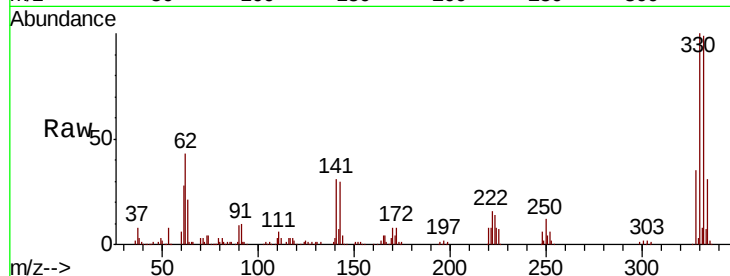
Tgt Ion:330 Resp: 376092

Ion Ratio Lower Upper

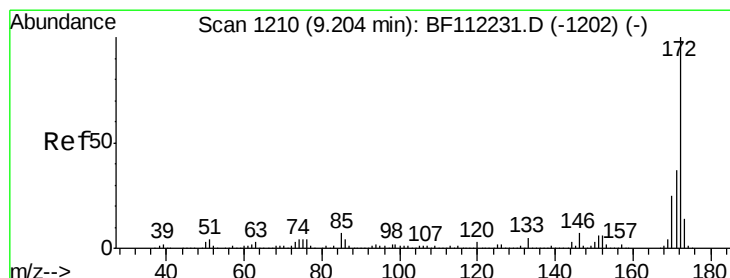
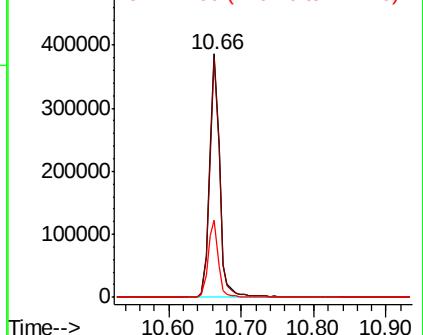
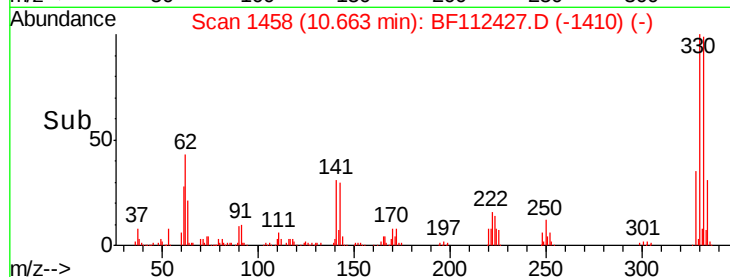
330 100

332 96.7 76.6 114.8

141 31.5 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: 85.881 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112427.D

Acq: 6 Feb 2019 18:31

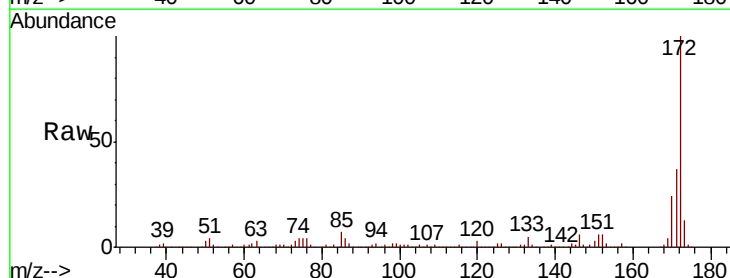
Tgt Ion:172 Resp: 1643926

Ion Ratio Lower Upper

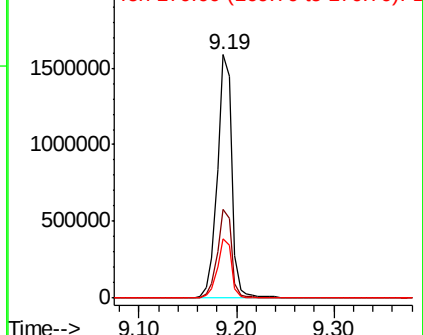
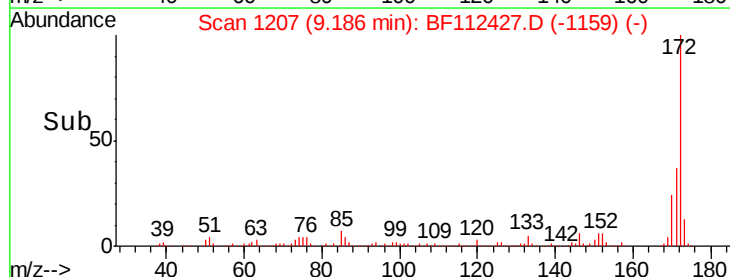
172 100

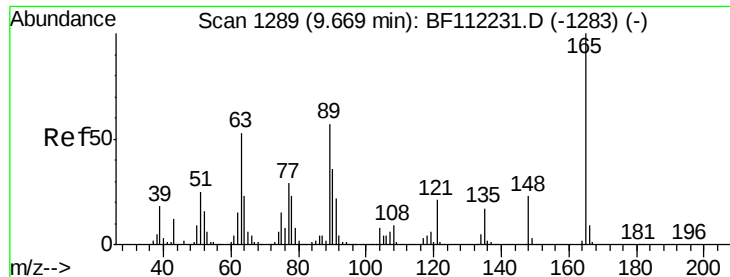
171 36.6 30.5 45.7

170 24.2 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

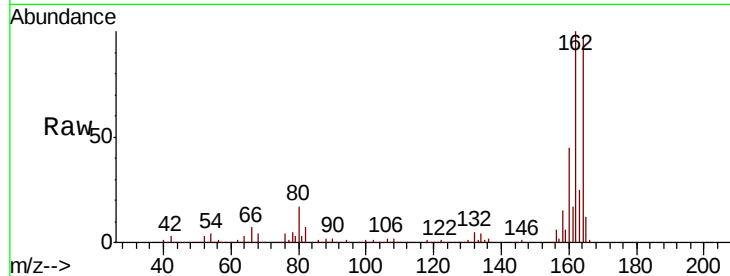




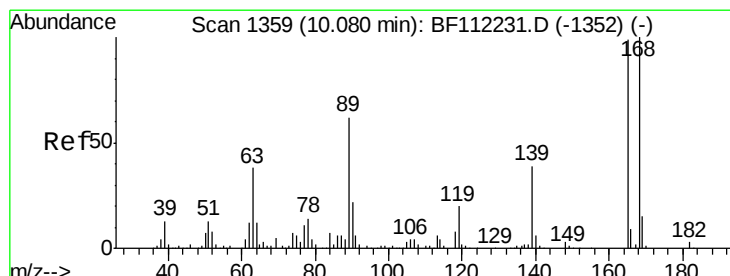
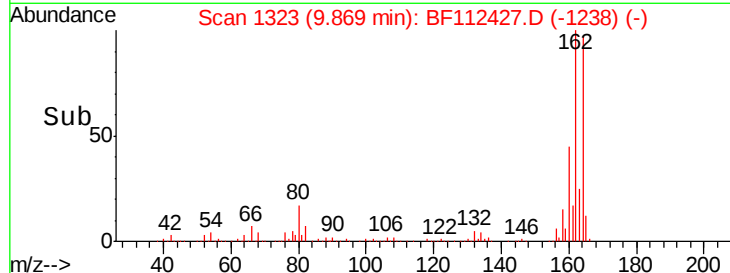
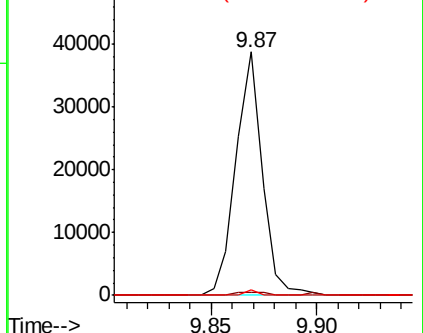
#51
 2,6-Dinitrotoluene
 Concen: 7.134 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112427.D
 Acq: 6 Feb 2019 18:31

Instrument :
 BNA_F
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 SU-01-020519-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	33.8	50.8#
89	2.2	36.9	55.3#



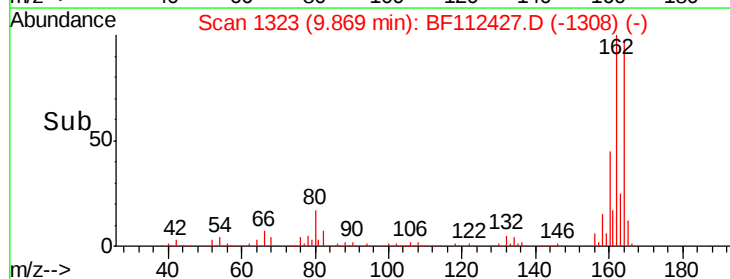
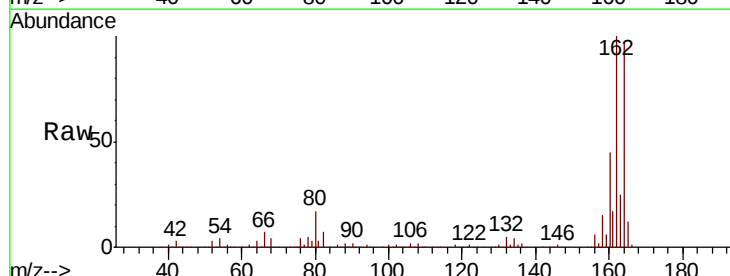
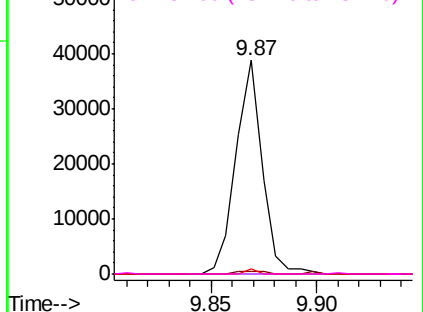
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

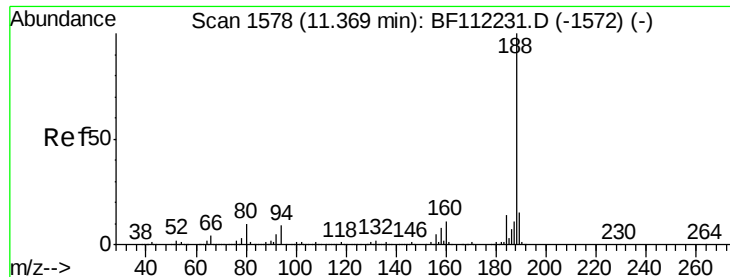


#57
 2,4-Dinitrotoluene
 Concen: 5.604 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112427.D
 Acq: 6 Feb 2019 18:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	27.9	41.9#
89	2.2	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

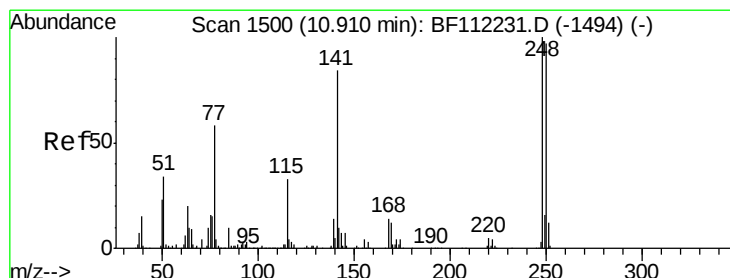
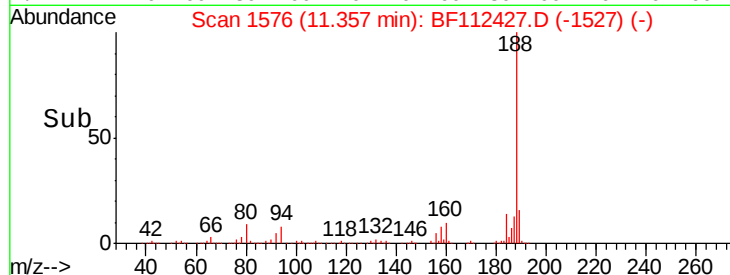
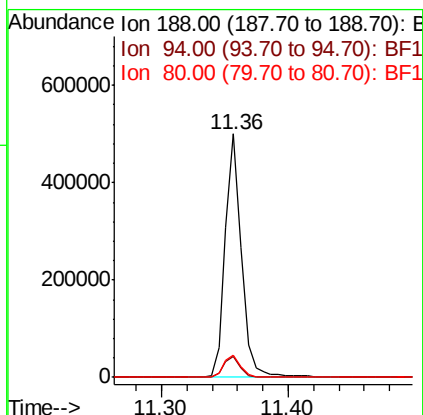
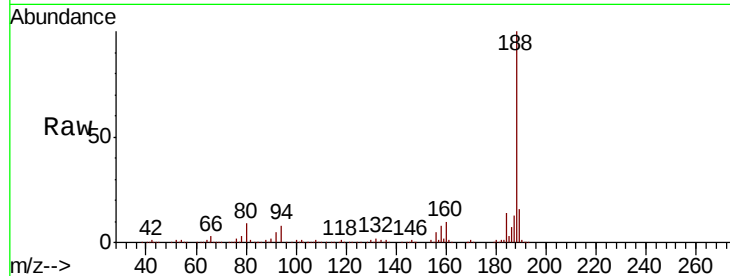




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF112427.D
 Acq: 6 Feb 2019 18:31

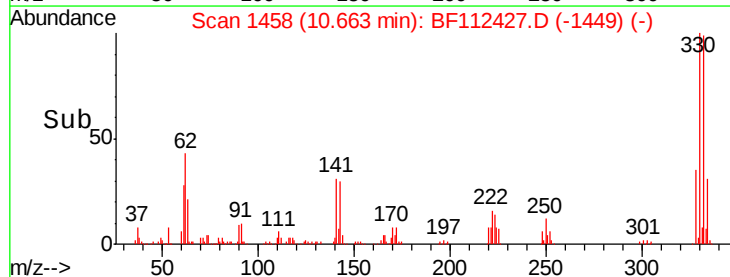
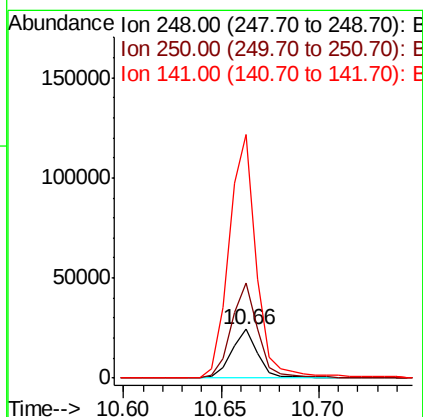
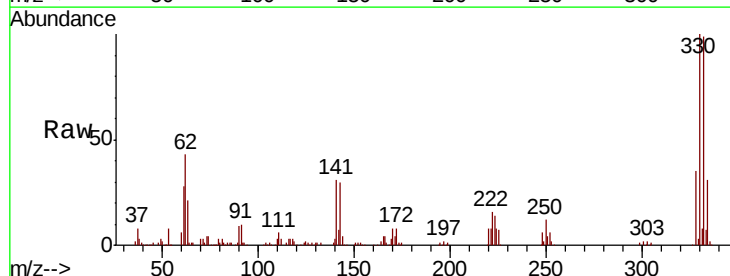
Instrument :
 BNA_F
 ClientSampleId :
 SU-01-020519-A

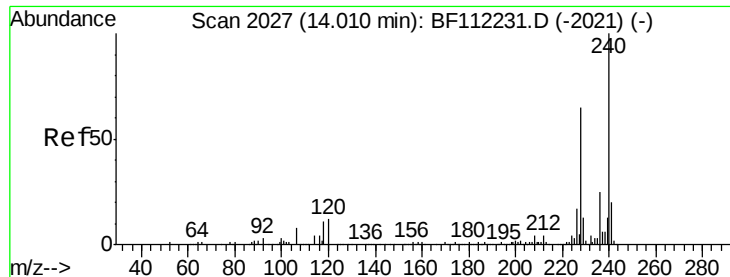
Tgt Ion:188 Resp: 448089
 Ion Ratio Lower Upper
 188 100
 94 8.4 8.2 12.2
 80 9.0 8.9 13.3



#67
 4-Bromophenyl-phenylether
 Concen: 4.288 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF112427.D
 Acq: 6 Feb 2019 18:31

Tgt Ion:248 Resp: 22598
 Ion Ratio Lower Upper
 248 100
 250 196.3 79.7 119.5#
 141 500.6 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: BF112427.D

Acq: 6 Feb 2019 18:31

Instrument :

BNA_F

ClientSampleId :

SU-01-020519-A

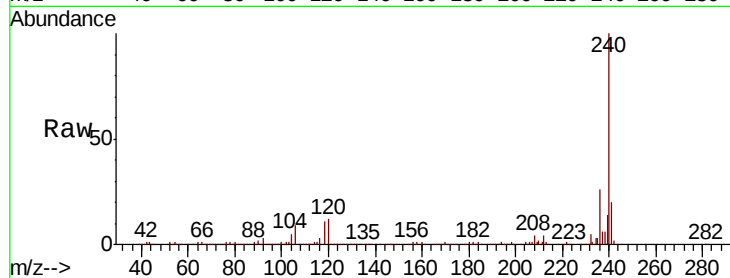
Tgt Ion:240 Resp: 319461

Ion Ratio Lower Upper

240 100

120 11.8 9.0 13.6

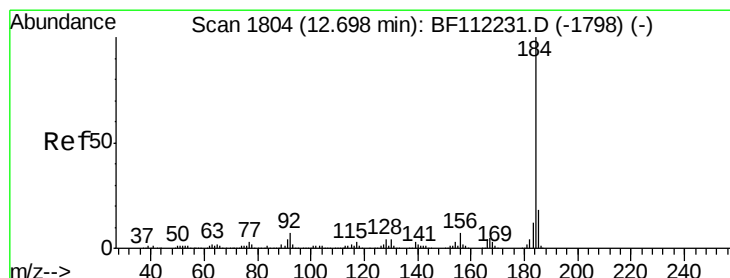
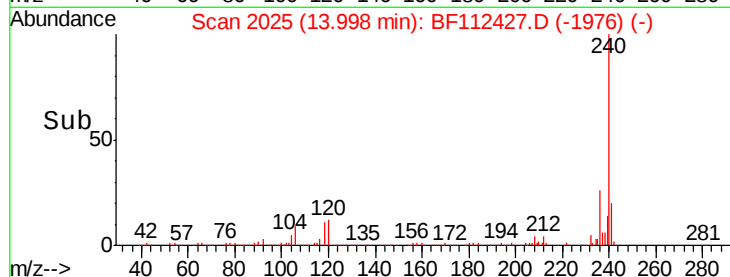
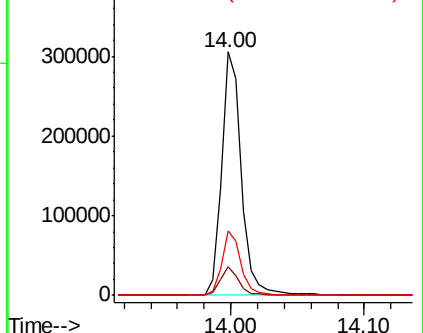
236 26.2 20.7 31.1



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: 2.082 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.24 min

Lab File: BF112427.D

Acq: 6 Feb 2019 18:31

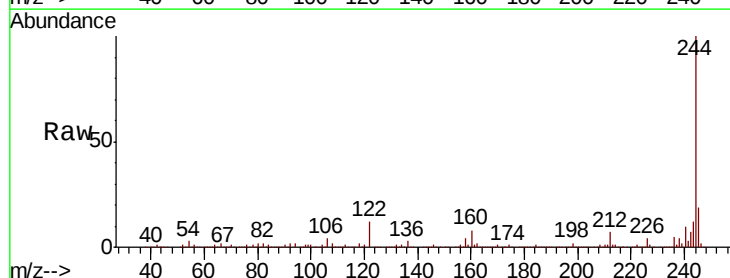
Tgt Ion:184 Resp: 18307

Ion Ratio Lower Upper

184 100

185 18.5 13.9 20.9

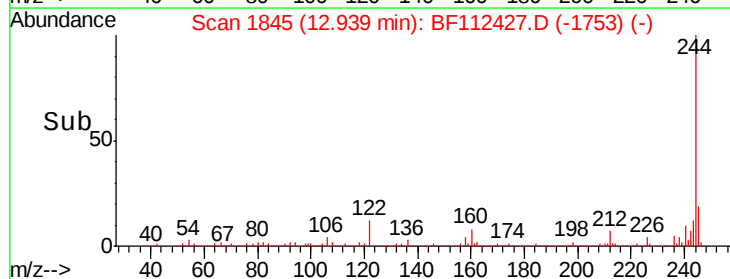
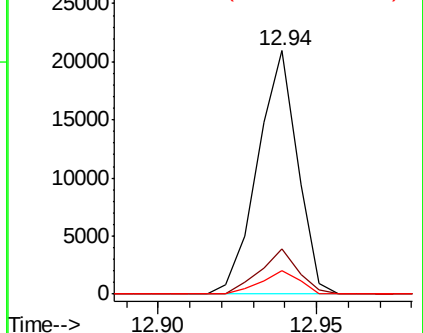
183 9.6 10.0 15.0#

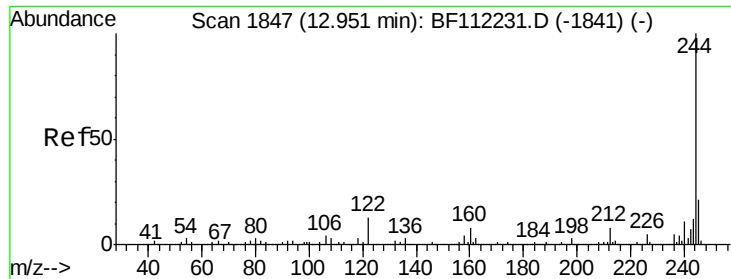


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 79.835 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112427.D

Acq: 6 Feb 2019 18:31

Instrument :

BNA_F

ClientSampleId :

SU-01-020519-A

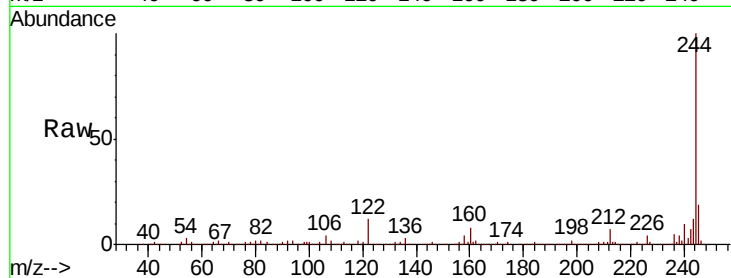
Tgt Ion:244 Resp: 1354115

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

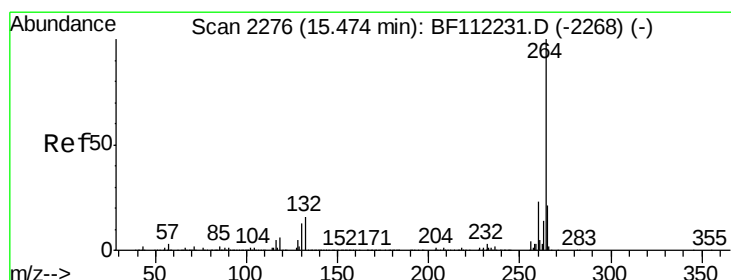
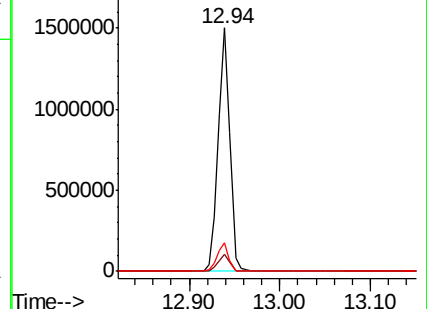
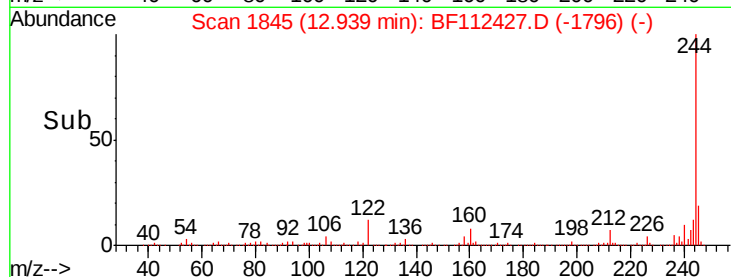
122 11.8 9.8 14.6



Abundance Ion 244.00 (243.70 to 244.70): E

2000000 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: BF112427.D

Acq: 6 Feb 2019 18:31

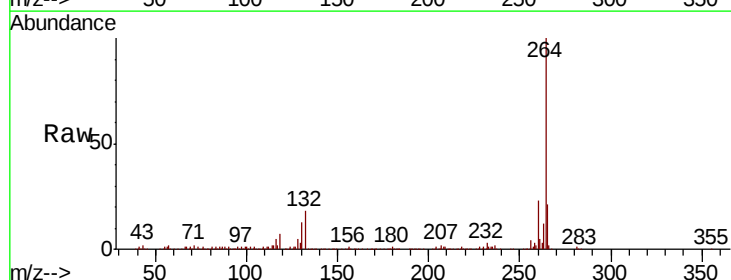
Tgt Ion:264 Resp: 305556

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.2

265 20.9 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E

300000 Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

