

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020619\
 Data File : BF112429.D
 Acq On : 6 Feb 2019 19:26
 Operator : JU/SJ
 Sample : K1358-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-020519

Quant Time: Feb 06 23:55:00 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

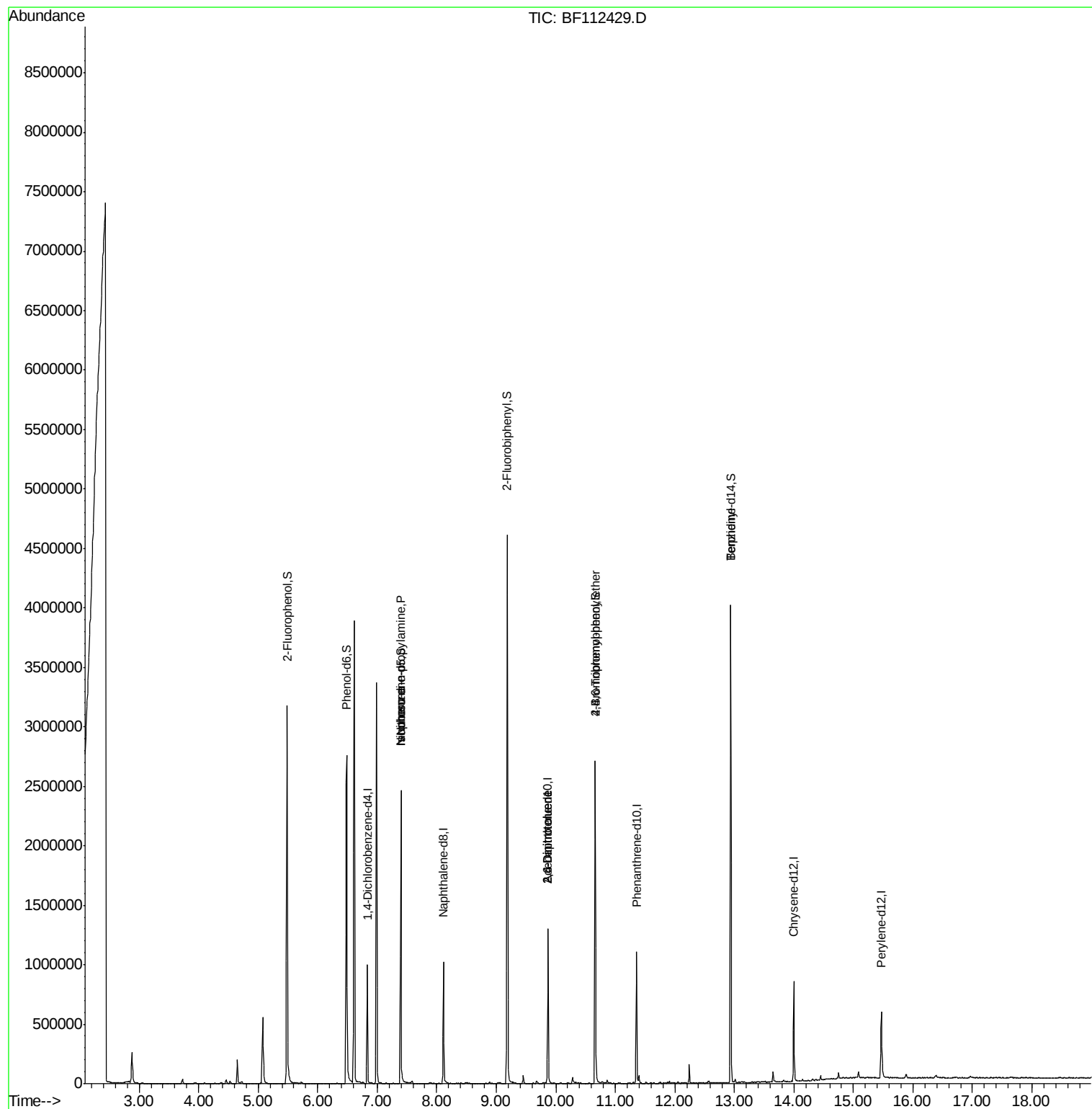
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	149470	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	559262	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	255753	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	411807	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	293496	20.00	ng	-0.01
87) Perylene-d12	15.47	264	278782	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	949156	134.88	ng	0.00
7) Phenol-d6	6.49	99	1055711	107.97	ng	0.00
23) Nitrobenzene-d5	7.40	82	839995	86.54	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	351602	118.11	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1649657	91.23	ng	-0.02
79) Terphenyl-d14	12.94	244	1270568	81.54	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	114741	17.018	ng	# 75
25) Isophorone	7.40	82	839983	55.165	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	32206	7.237	ng	# 33
57) 2,4-Dinitrotoluene	9.87	165	32206	5.685	ng	# 31
67) 4-Bromophenyl-phenylether	10.66	248	20954	4.326	ng	# 1
77) Benzidine	12.94	184	16848	2.086	ng	# 97

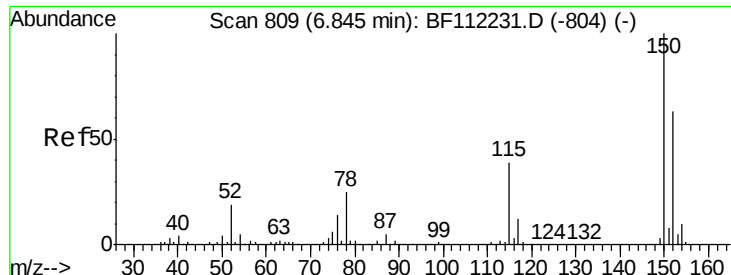
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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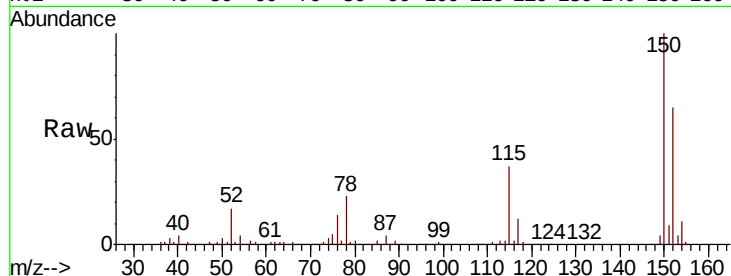


#1

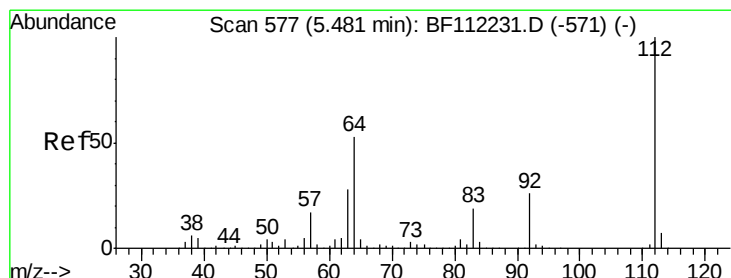
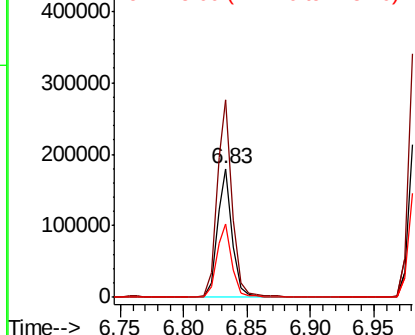
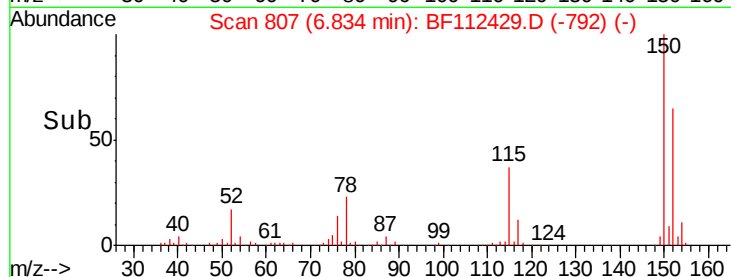
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112429.D
Acq: 6 Feb 2019 19:26

Instrument :
BNA_F
ClientSampleId :
TR-05-020519

Tgt Ion:152 Resp: 149470
Ion Ratio Lower Upper
152 100
150 153.8 127.4 191.0
115 56.9 45.5 68.3



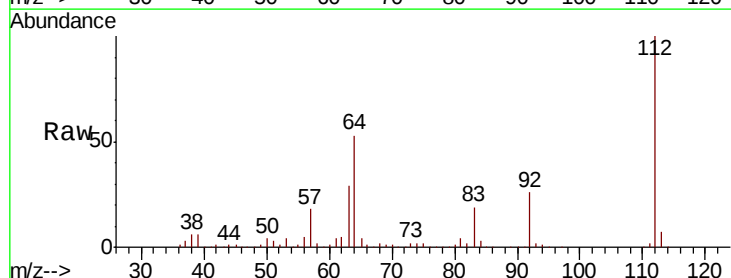
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



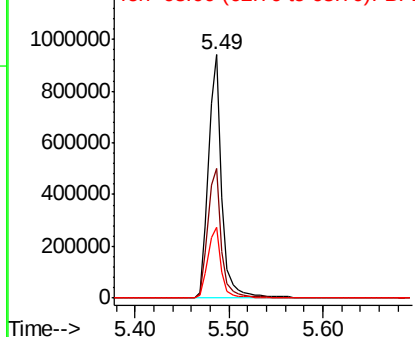
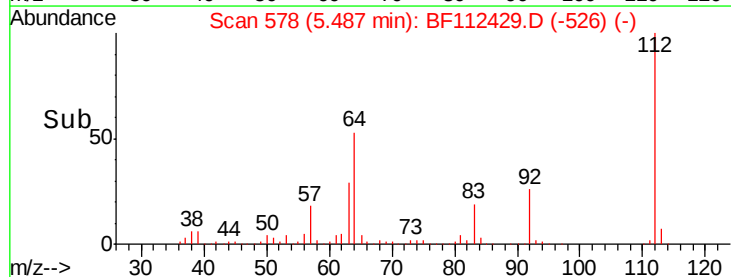
#5

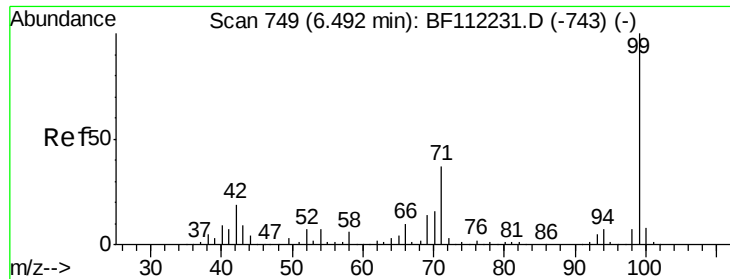
2-Fluorophenol
Concen: 134.881 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF112429.D
Acq: 6 Feb 2019 19:26

Tgt Ion:112 Resp: 949156
Ion Ratio Lower Upper
112 100
64 53.3 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: 107.965 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112429.D

Acq: 6 Feb 2019 19:26

Instrument :

BNA_F

ClientSampleId :

TR-05-020519

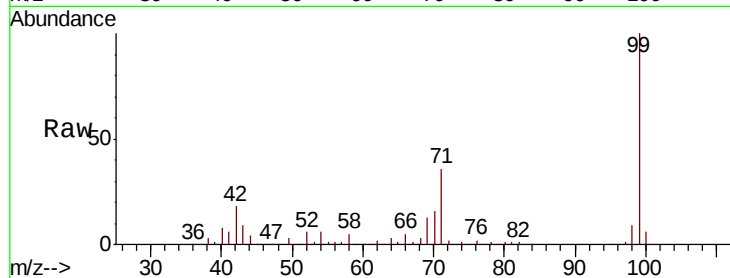
Tgt Ion: 99 Resp: 1055711

Ion Ratio Lower Upper

99 100

42 17.8 15.1 22.7

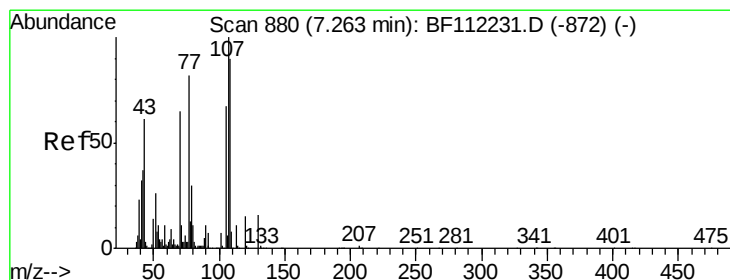
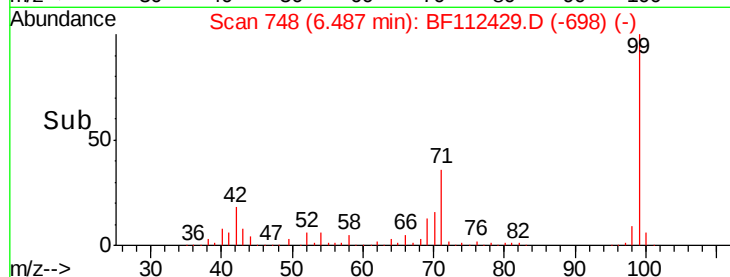
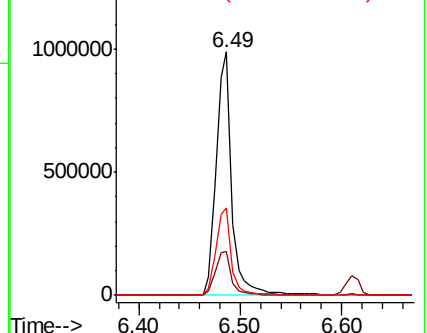
71 35.7 26.9 40.3



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: 17.018 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112429.D

Acq: 6 Feb 2019 19:26

Tgt Ion: 70 Resp: 114741

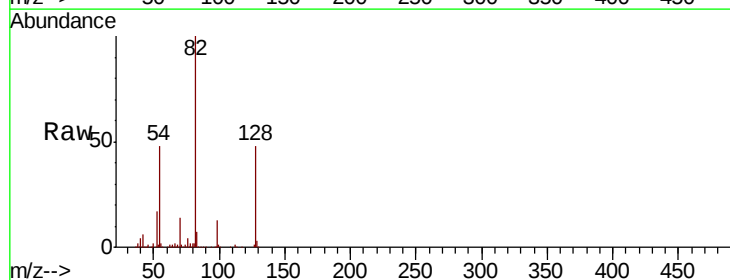
Ion Ratio Lower Upper

70 100

42 46.5 47.6 71.4#

101 0.0 7.9 11.9#

130 2.1 18.4 27.6#

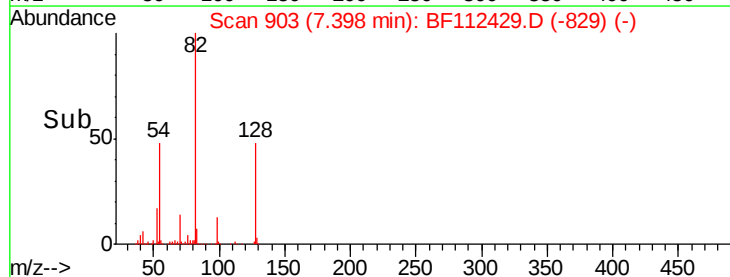
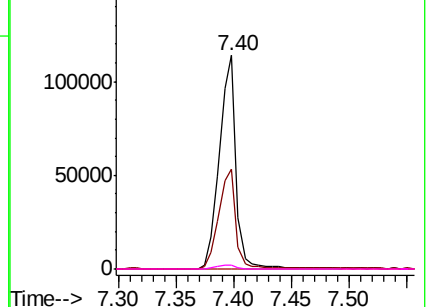


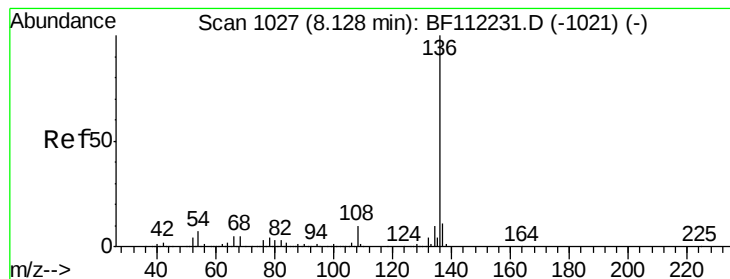
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF112429.D

Acq: 6 Feb 2019 19:26

Instrument :

BNA_F

ClientSampleId :

TR-05-020519

Tgt Ion: 136 Resp: 559262

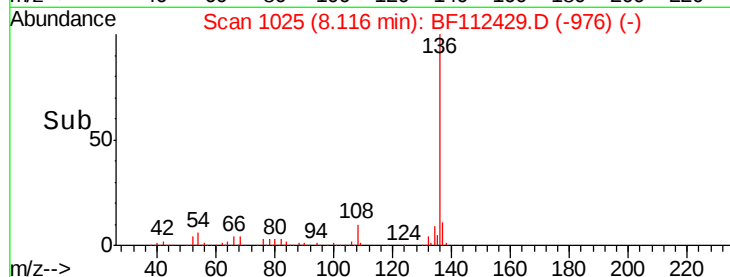
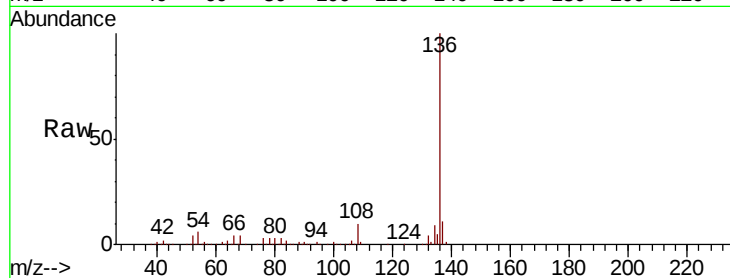
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.6 5.9 8.9#

68 4.5 5.1 7.7#

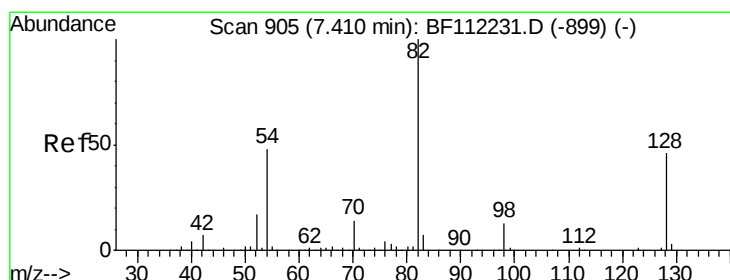
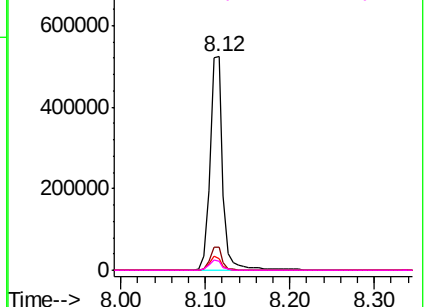


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.543 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112429.D

Acq: 6 Feb 2019 19:26

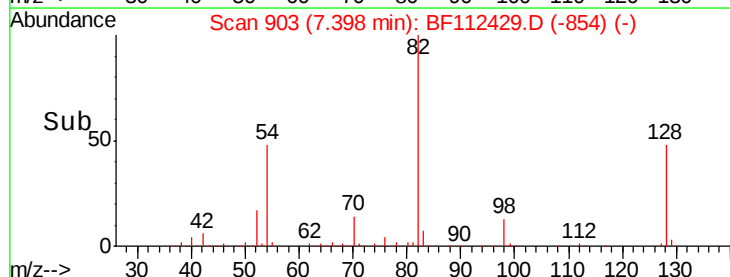
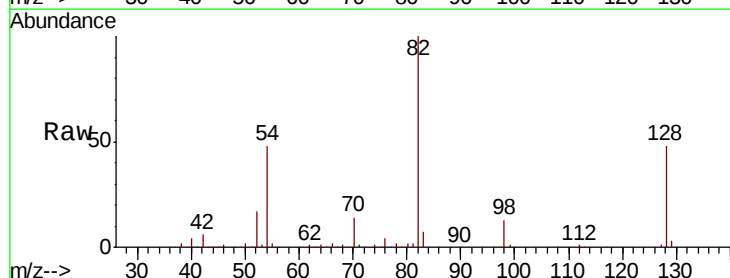
Tgt Ion: 82 Resp: 839995

Ion Ratio Lower Upper

82 100

128 48.3 37.8 56.8

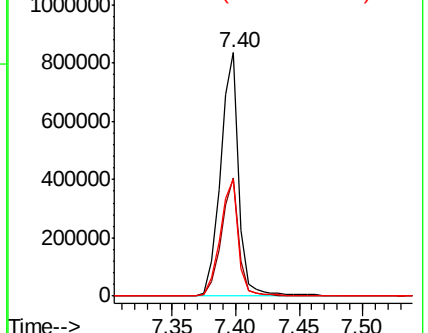
54 47.9 39.7 59.5

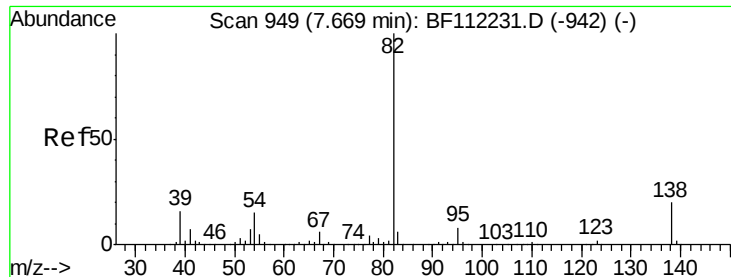


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

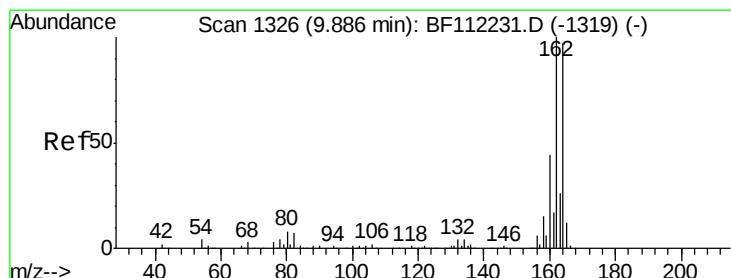
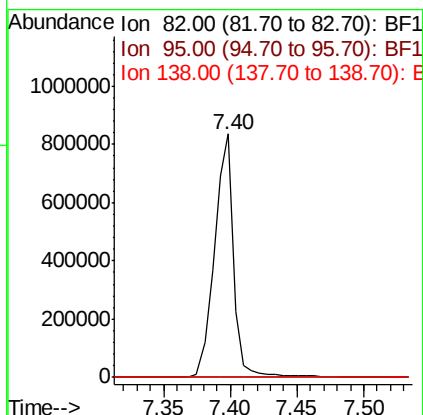
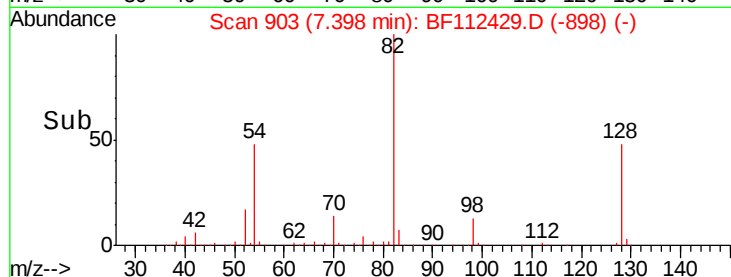
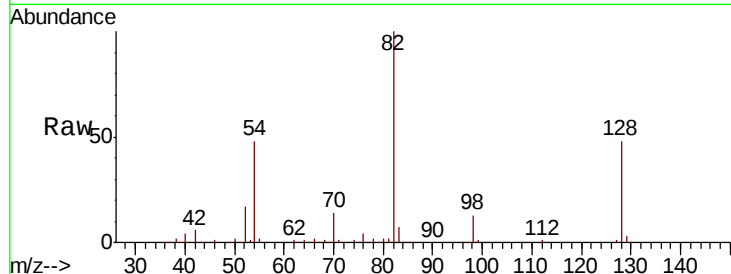




#25
Isophorone
Concen: 55.165 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF112429.D
Acq: 6 Feb 2019 19:26

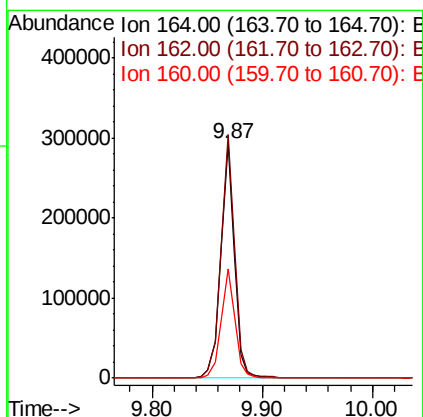
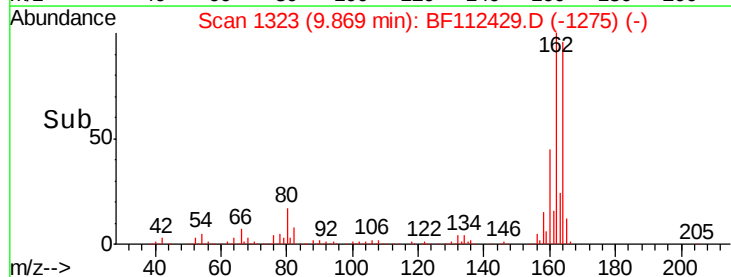
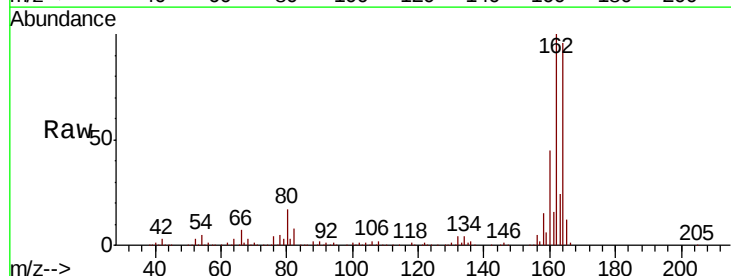
Instrument :
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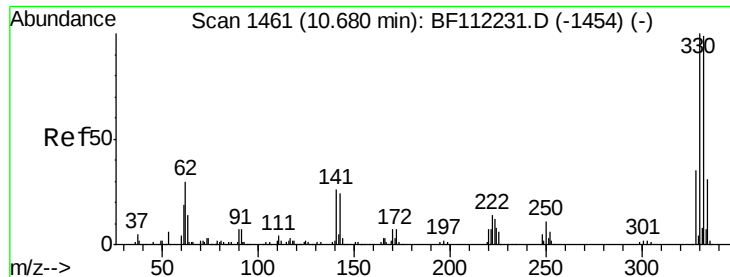
Tgt Ion: 82 Resp: 839983
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112429.D
Acq: 6 Feb 2019 19:26

Tgt Ion: 164 Resp: 255753
Ion Ratio Lower Upper
164 100
162 104.0 82.2 123.4
160 46.4 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 118.110 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112429.D

Acq: 6 Feb 2019 19:26

Instrument :

BNA_F

ClientSampleId :

TR-05-020519

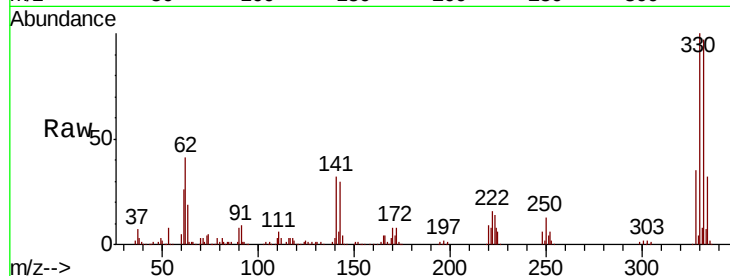
Tgt Ion:330 Resp: 351602

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

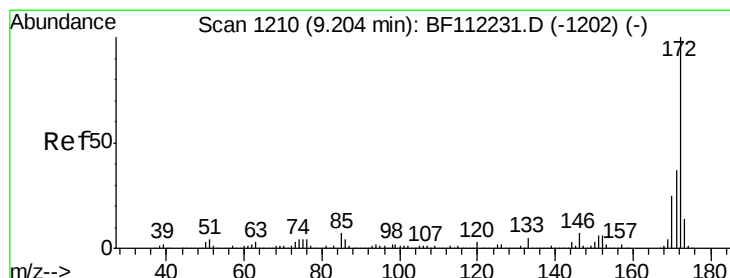
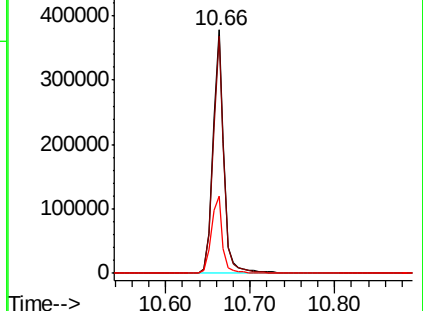
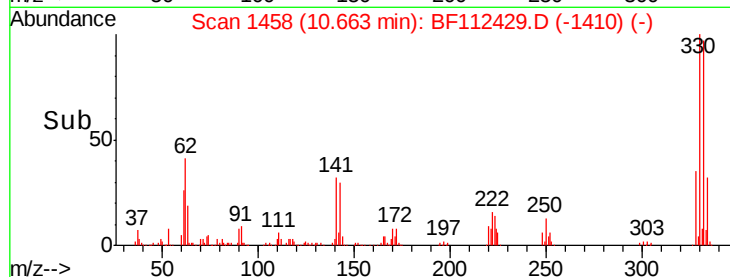
141 32.5 24.3 36.5



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: 91.228 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112429.D

Acq: 6 Feb 2019 19:26

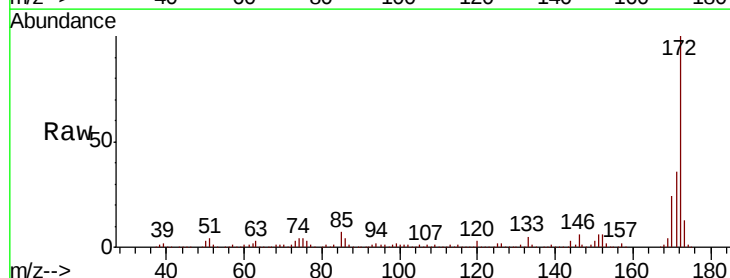
Tgt Ion:172 Resp: 1649657

Ion Ratio Lower Upper

172 100

171 36.5 30.5 45.7

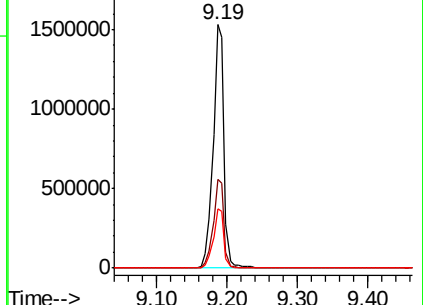
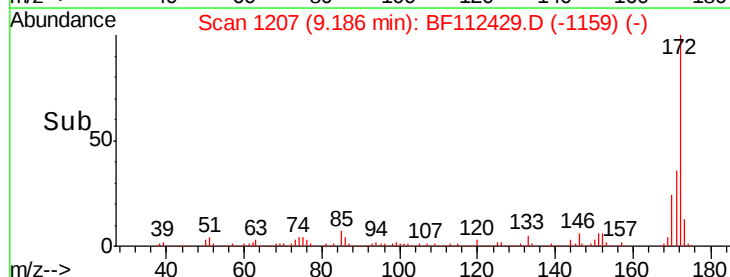
170 24.5 20.2 30.4

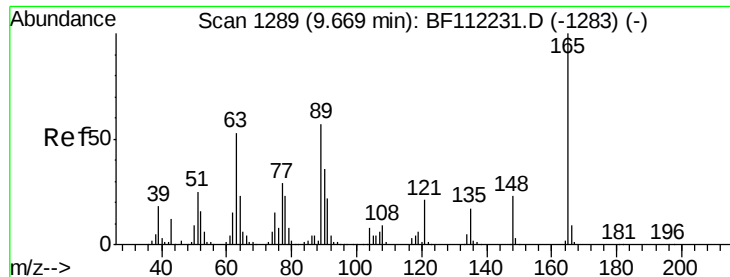


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.237 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.20 min

Lab File: BF112429.D

Acq: 6 Feb 2019 19:26

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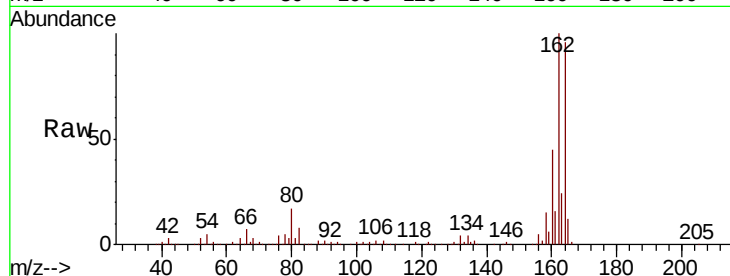
Tgt Ion:165 Resp: 32206

Ion Ratio Lower Upper

165 100

63 1.0 33.8 50.8#

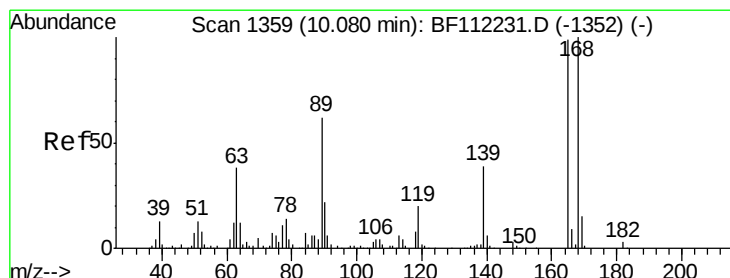
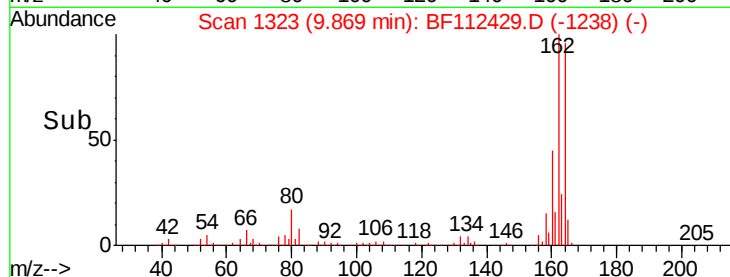
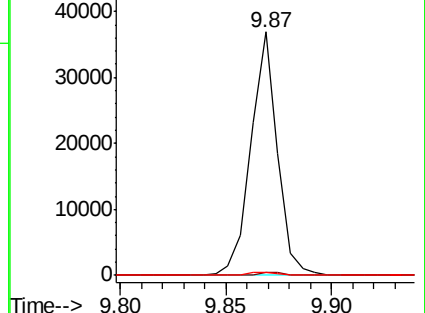
89 1.2 36.9 55.3#



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: 5.685 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112429.D

Acq: 6 Feb 2019 19:26

Tgt Ion:165 Resp: 32206

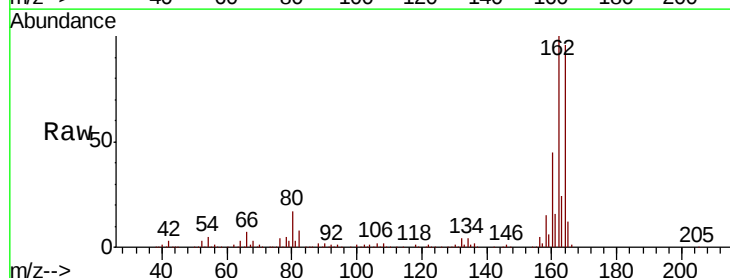
Ion Ratio Lower Upper

165 100

63 1.0 27.9 41.9#

89 1.2 47.9 71.9#

182 0.0 2.2 3.4#

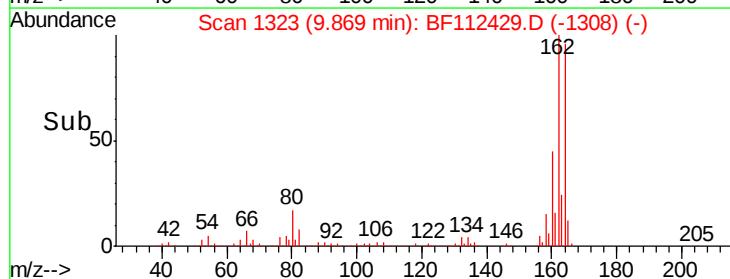
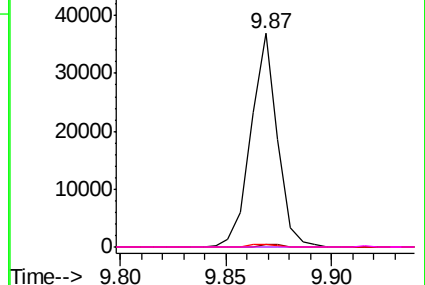


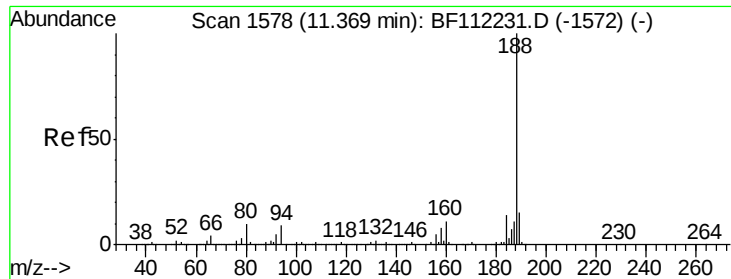
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF112429.D

Acq: 6 Feb 2019 19:26

Instrument :

BNA_F

ClientSampleId :

TR-05-020519

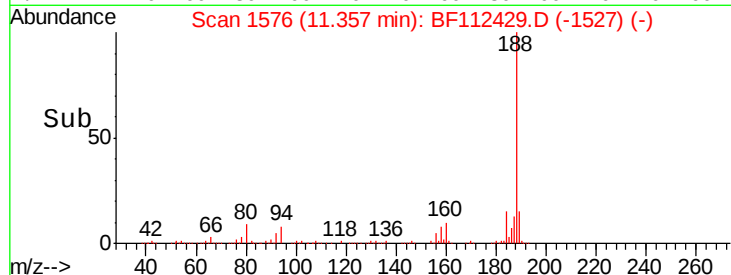
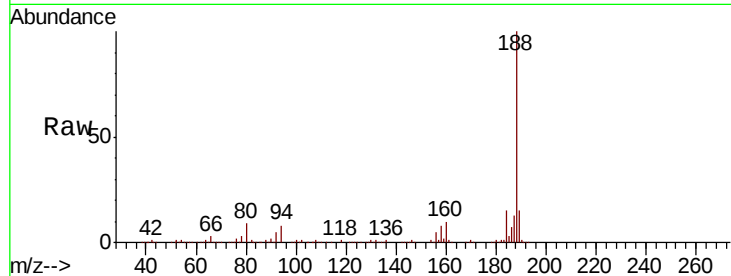
Tgt Ion:188 Resp: 411807

Ion Ratio Lower Upper

188 100

94 8.0 8.2 12.2#

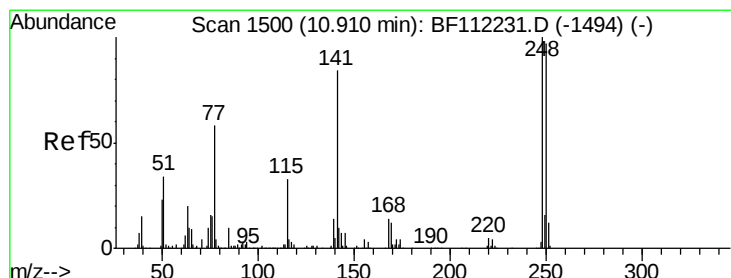
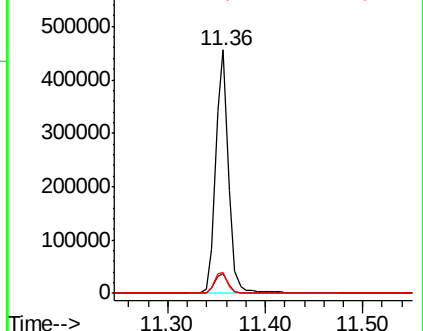
80 8.7 8.9 13.3#



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: 4.326 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF112429.D

Acq: 6 Feb 2019 19:26

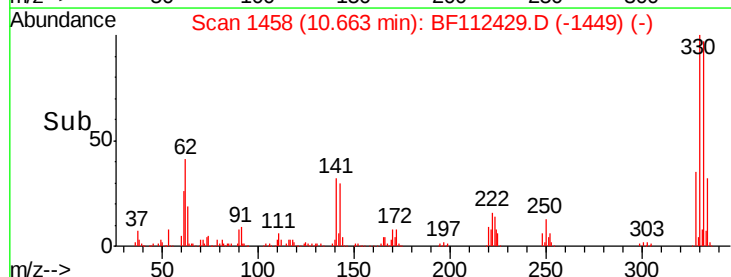
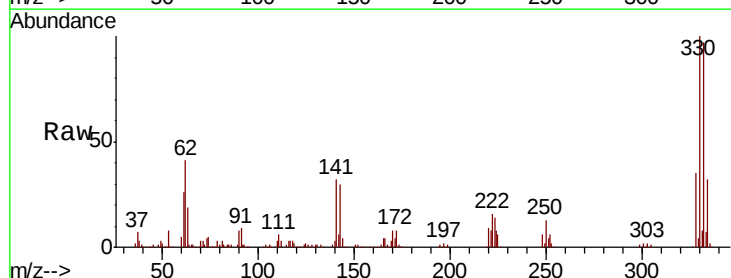
Tgt Ion:248 Resp: 20954

Ion Ratio Lower Upper

248 100

250 199.0 79.7 119.5#

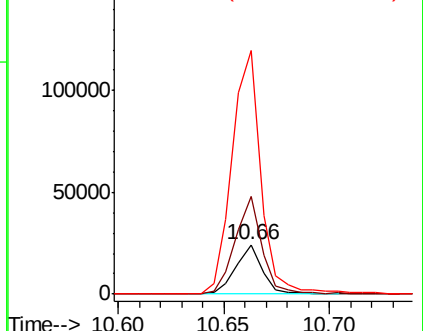
141 495.0 60.3 90.5#

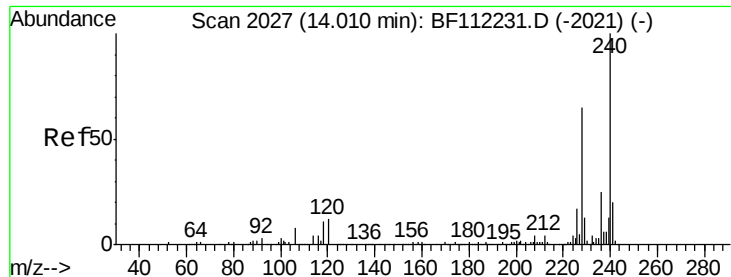


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

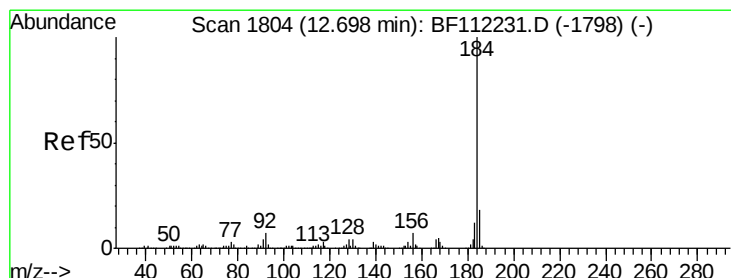
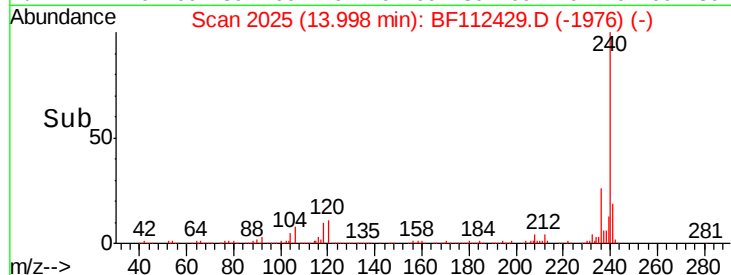
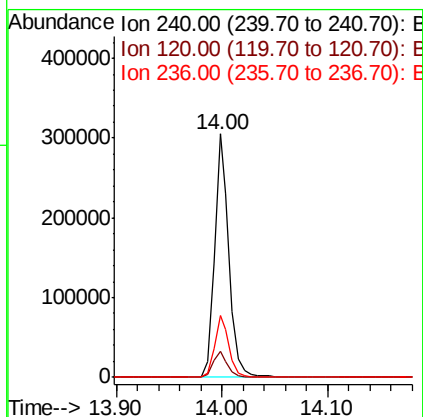
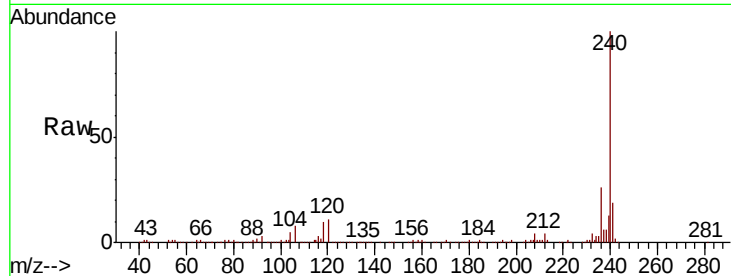




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112429.D
Acq: 6 Feb 2019 19:26

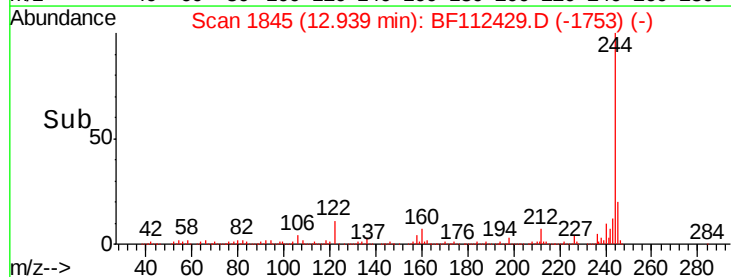
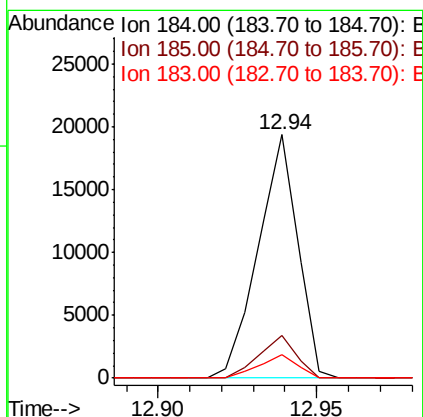
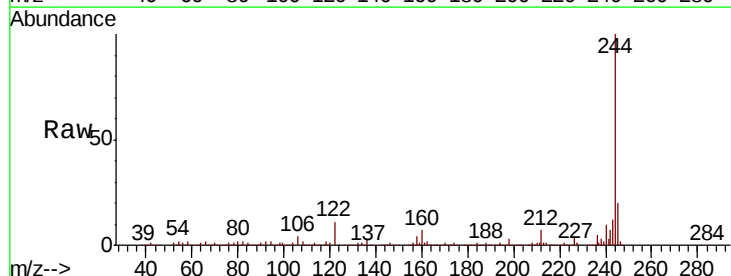
Instrument :
BNA_F
ClientSampleId :
TR-05-020519

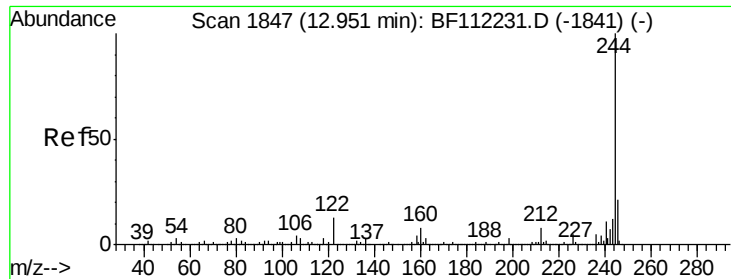
Tgt Ion:240 Resp: 293496
Ion Ratio Lower Upper
240 100
120 10.8 9.0 13.6
236 25.6 20.7 31.1



#77
Benzidine
Concen: 2.086 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.24 min
Lab File: BF112429.D
Acq: 6 Feb 2019 19:26

Tgt Ion:184 Resp: 16848
Ion Ratio Lower Upper
184 100
185 17.4 13.9 20.9
183 9.7 10.0 15.0#





#79

Terphenyl-d14

Concen: 81.536 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112429.D

Acq: 6 Feb 2019 19:26

Instrument :

BNA_F

ClientSampleId :

TR-05-020519

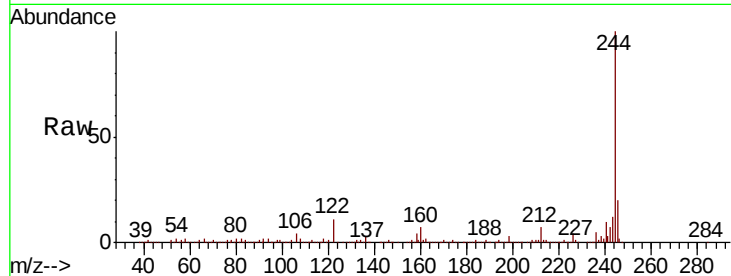
Tgt Ion:244 Resp: 1270568

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 11.0 9.8 14.6

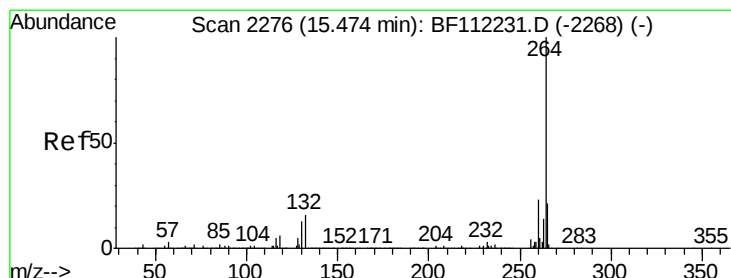
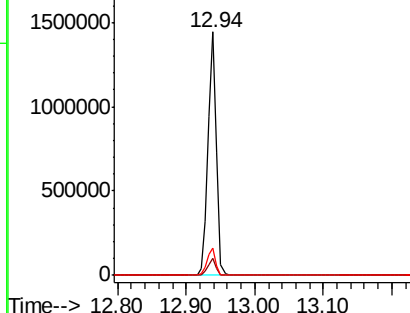
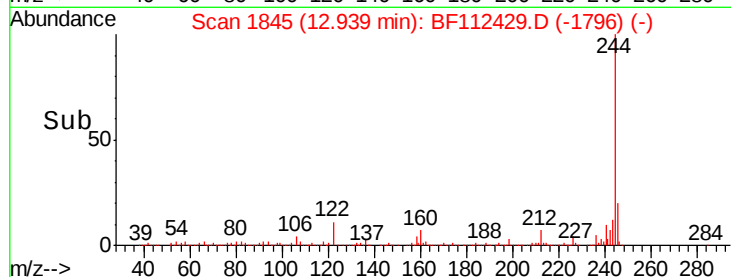


Abundance

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: BF112429.D

Acq: 6 Feb 2019 19:26

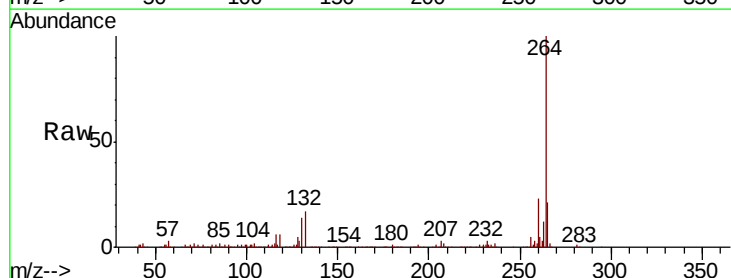
Tgt Ion:264 Resp: 278782

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.2

265 21.4 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

