

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
 Data File : BF112697.D
 Acq On : 25 Feb 2019 17:25
 Operator : JU/SJ
 Sample : K1595-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-CBF-B10

Quant Time: Feb 26 00:07:29 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

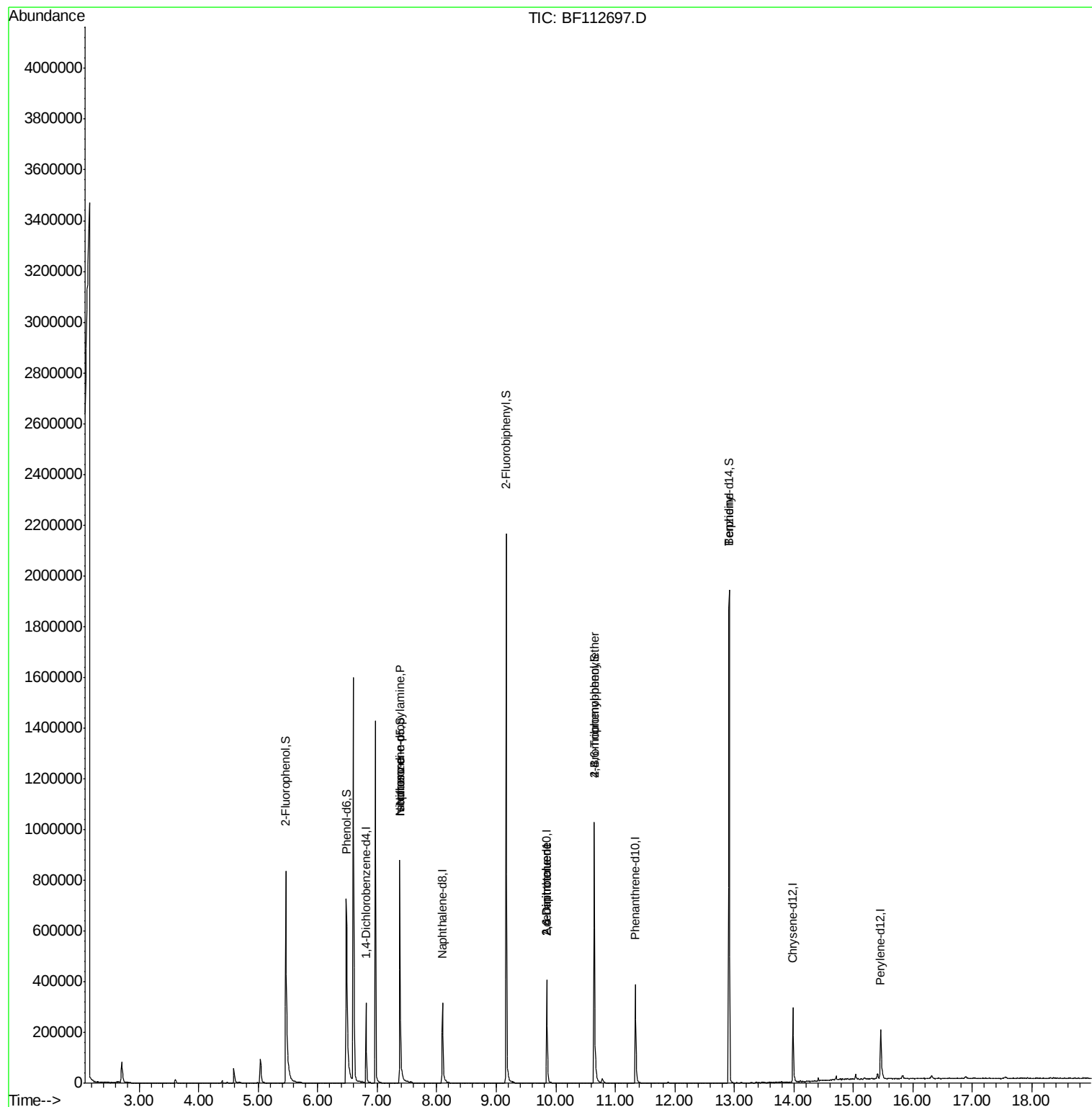
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	50775	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	190187	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	93014	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	170348	20.00	ng	-0.03
76) Chrysene-d12	13.99	240	134978	20.00	ng	-0.02
87) Perylene-d12	15.46	264	124655	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	363489	152.06	ng	-0.02
7) Phenol-d6	6.48	99	402448	121.16	ng	-0.01
23) Nitrobenzene-d5	7.38	82	341732	103.53	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	151499	139.93	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	683497	103.93	ng	-0.04
79) Terphenyl-d14	12.92	244	680717	94.99	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	46406	20.261	ng	# 78
25) Isophorone	7.38	82	341732	65.995	ng	# 63
51) 2,6-Dinitrotoluene	9.85	165	11254	6.953	ng	# 32
57) 2,4-Dinitrotoluene	9.85	165	11254	5.462	ng	# 30
67) 4-Bromophenyl-phenylether	10.65	248	9106	4.545	ng	# 1
77) Benzidine	12.92	184	10025	2.698	ng	# 95

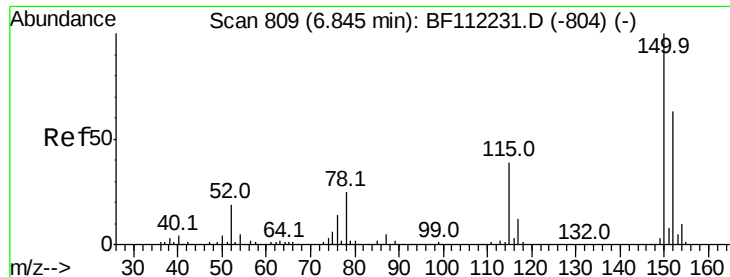
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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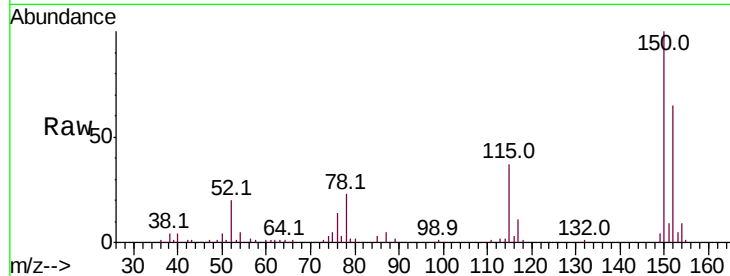


#1

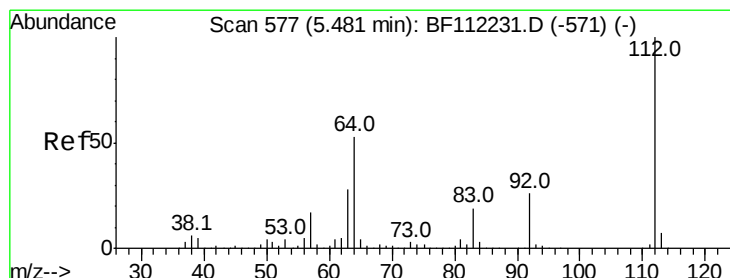
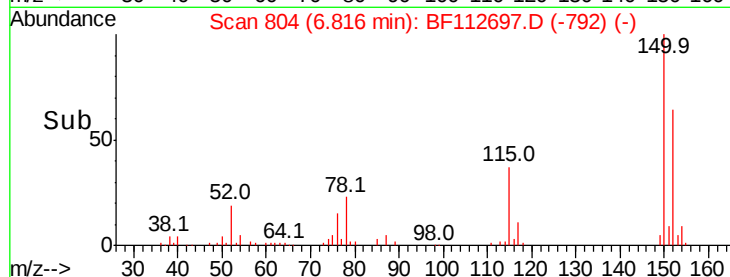
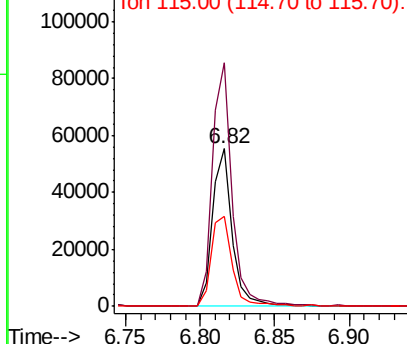
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF112697.D
 Acq: 25 Feb 2019 17:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-CBF-B10

Tot Ion:152 Resp: 50775
 Ion Ratio Lower Upper
 152 100
 150 154.8 127.4 191.0
 115 57.4 45.5 68.3



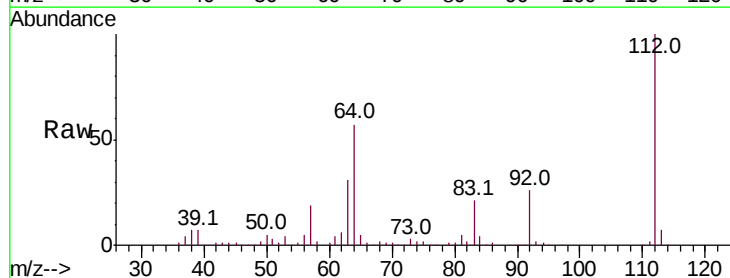
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



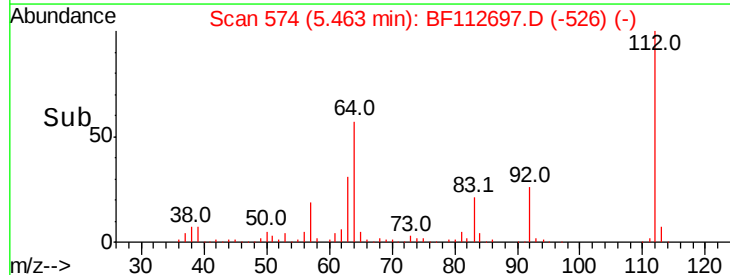
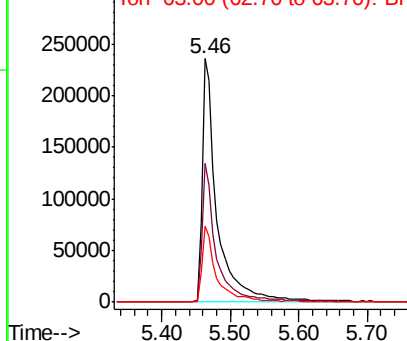
#5

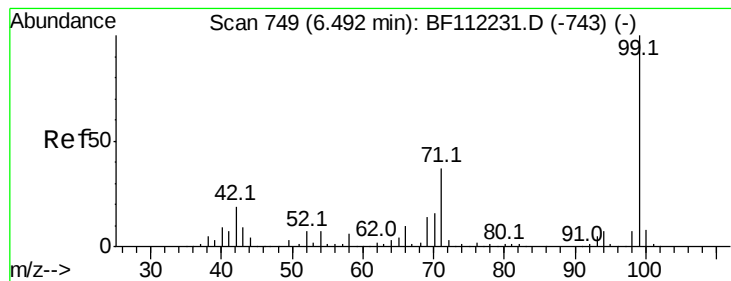
2-Fluorophenol
 Concen: 152.058 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.02 min
 Lab File: BF112697.D
 Acq: 25 Feb 2019 17:25

Tgt Ion:112 Resp: 363489
 Ion Ratio Lower Upper
 112 100
 64 57.1 45.7 68.5
 63 31.1 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: 121.158 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112697.D

Acq: 25 Feb 2019 17:25

Instrument :

BNA_F

ClientSampleId :

TP-CBF-B10

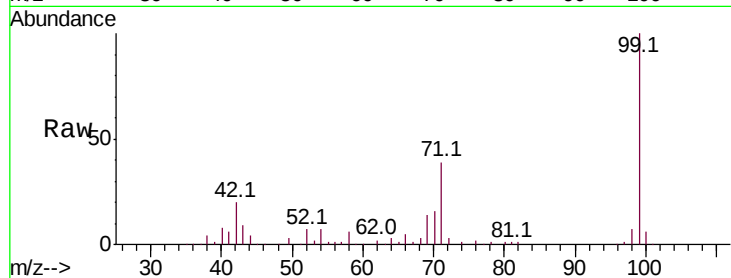
Tot Ion: 99 Resp: 402448

Ion Ratio Lower Upper

99 100

42 19.6 15.1 22.7

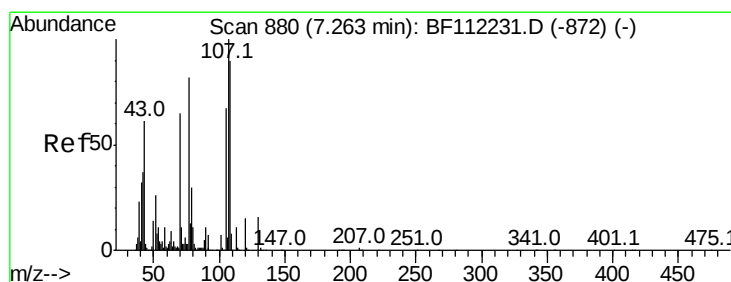
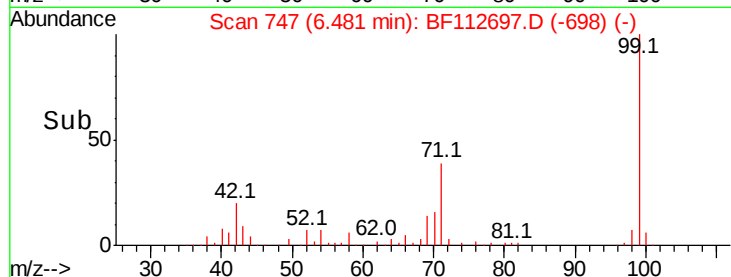
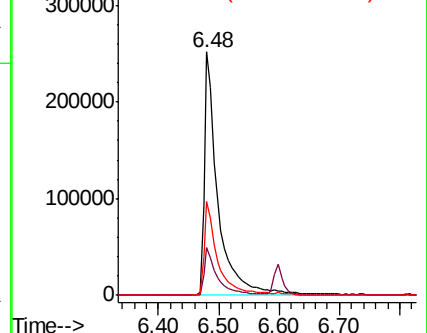
71 38.8 26.9 40.3



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: 20.261 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.12 min

Lab File: BF112697.D

Acq: 25 Feb 2019 17:25

Tgt Ion: 70 Resp: 46406

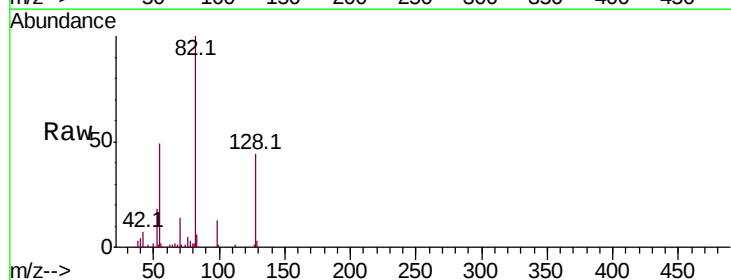
Ion Ratio Lower Upper

70 100

42 48.8 47.6 71.4

101 0.0 7.9 11.9#

130 2.7 18.4 27.6#

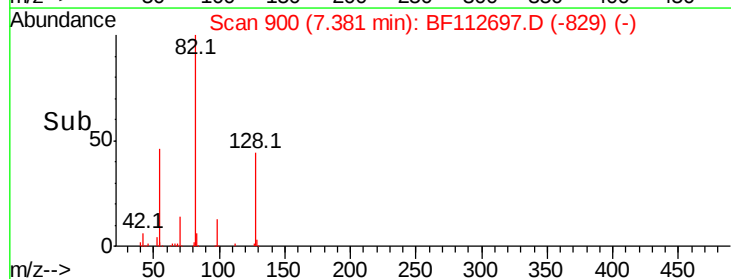
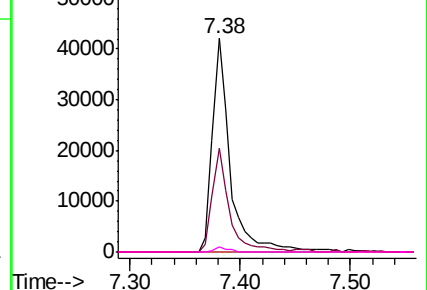


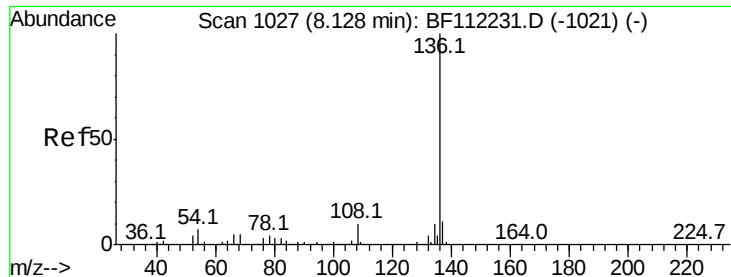
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.10 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF112697.D

Acq: 25 Feb 2019 17:25

Instrument :

BNA_F

ClientSampleId :

TP-CBF-B10

Tot Ion:136 Resp: 190187

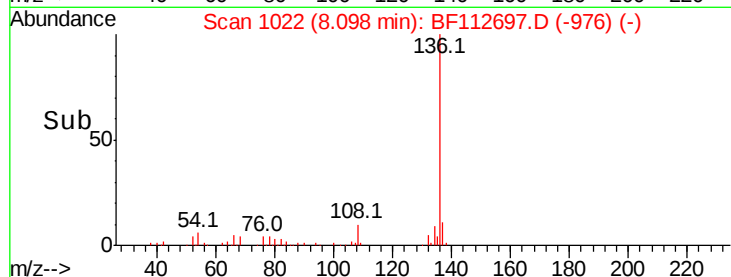
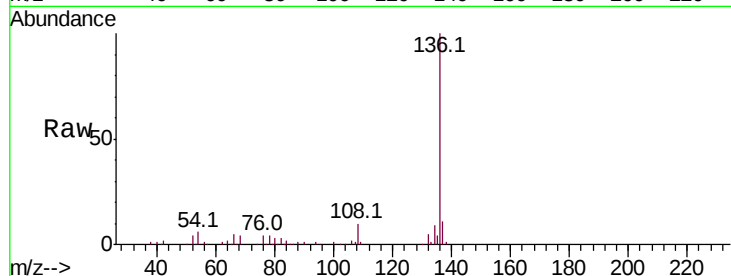
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 6.0 5.9 8.9

68 4.5 5.1 7.7#

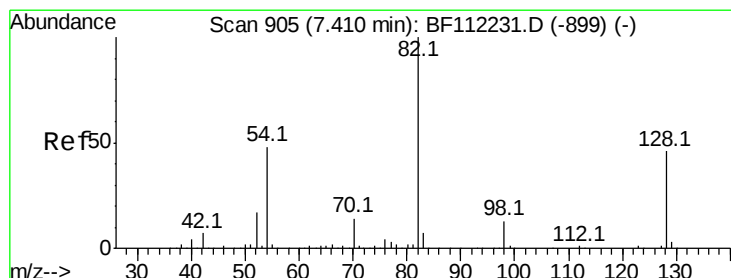
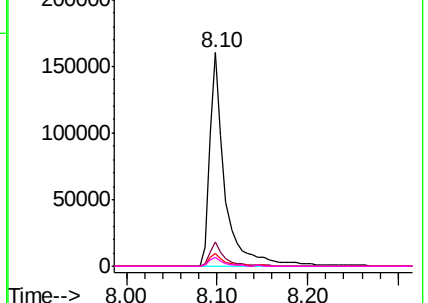


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.532 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.03 min

Lab File: BF112697.D

Acq: 25 Feb 2019 17:25

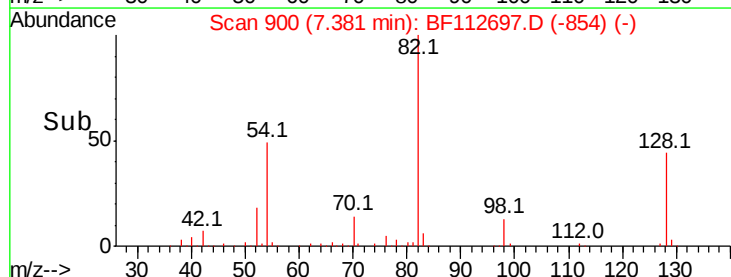
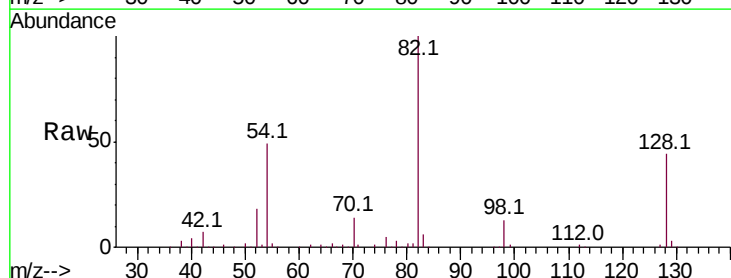
Tgt Ion: 82 Resp: 341732

Ion Ratio Lower Upper

82 100

128 43.8 37.8 56.8

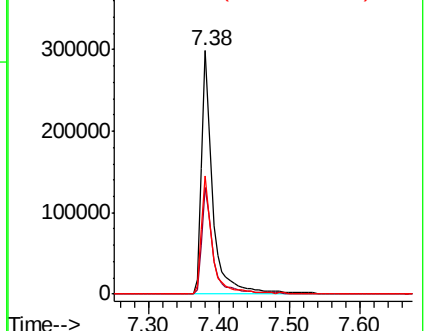
54 48.7 39.7 59.5

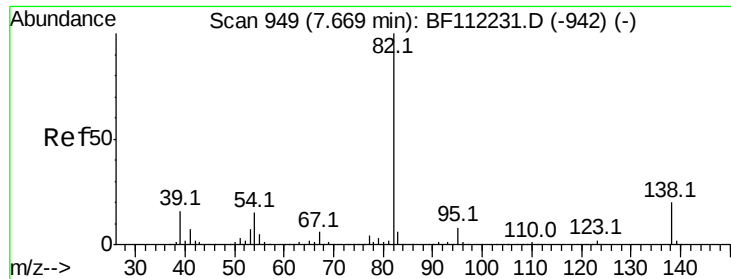


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 65.995 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.29 min

Lab File: BF112697.D

Acq: 25 Feb 2019 17:25

Instrument :

BNA_F

ClientSampleId :

TP-CBF-B10

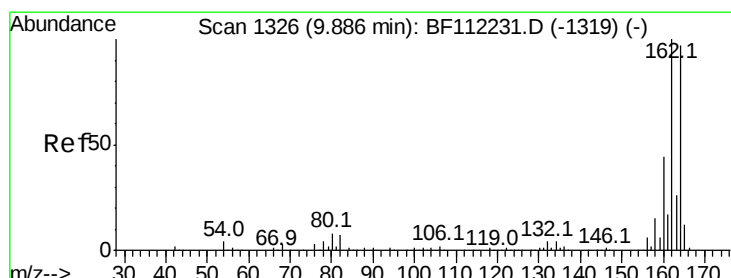
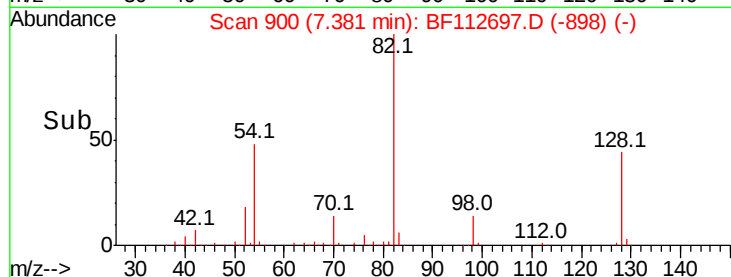
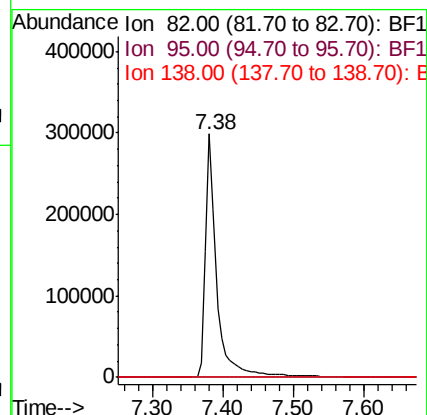
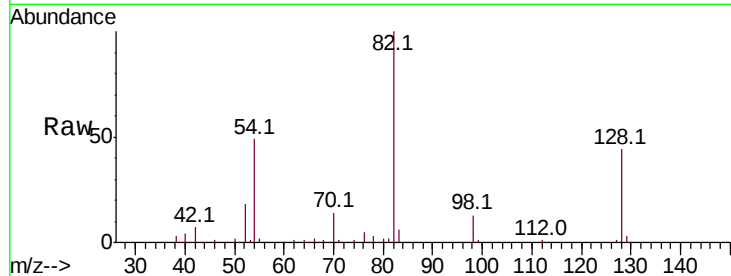
Tot Ion: 82 Resp: 341732

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: 9.85 min Scan# 1320

Delta R.T. -0.04 min

Lab File: BF112697.D

Acq: 25 Feb 2019 17:25

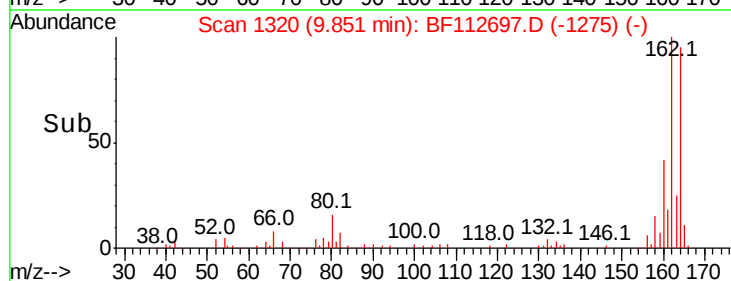
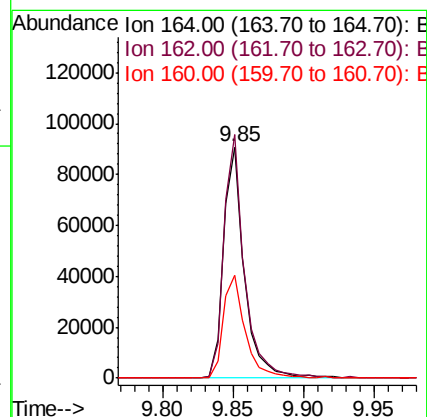
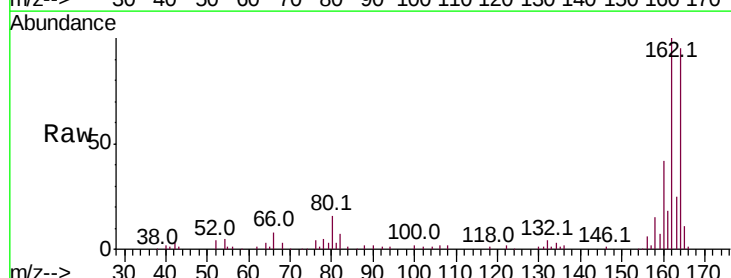
Tgt Ion:164 Resp: 93014

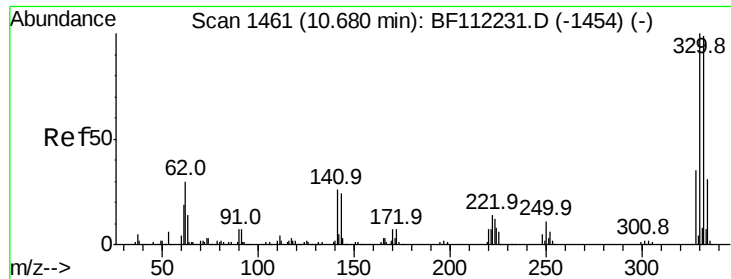
Ion Ratio Lower Upper

164 100

162 105.4 82.2 123.4

160 44.3 36.2 54.4

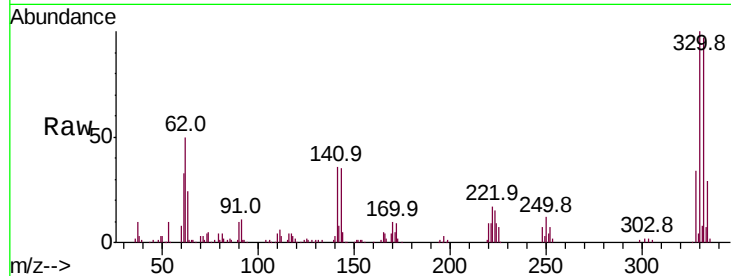




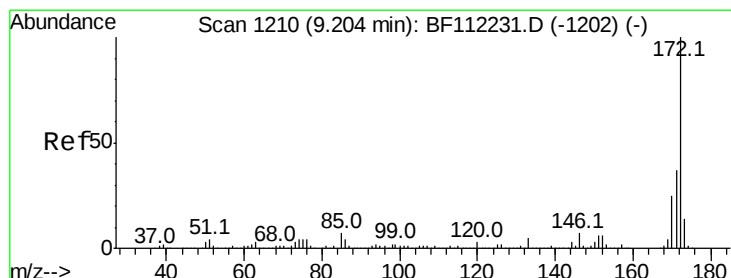
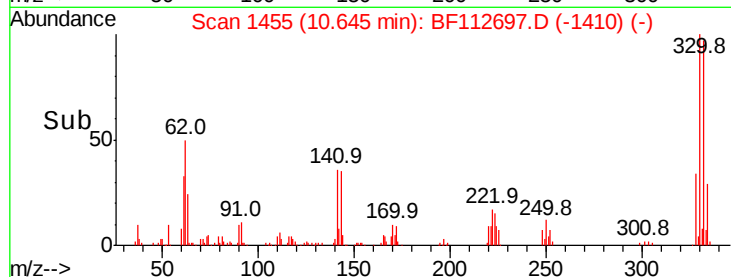
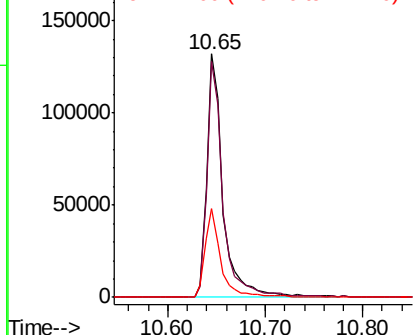
#42
 2,4,6-Tribromophenol
 Concen: 139.933 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.04 min
 Lab File: BF112697.D
 Acq: 25 Feb 2019 17:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-CBF-B10

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	114.8
141	35.5	24.3	36.5

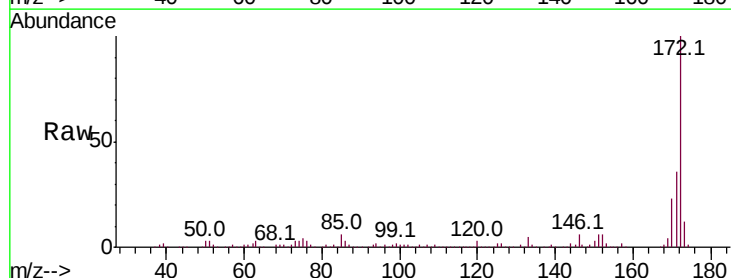


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

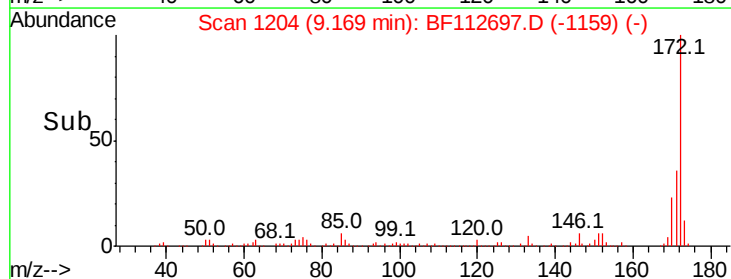
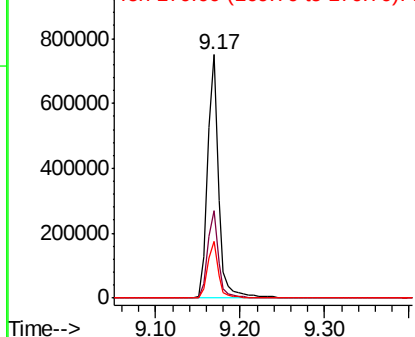


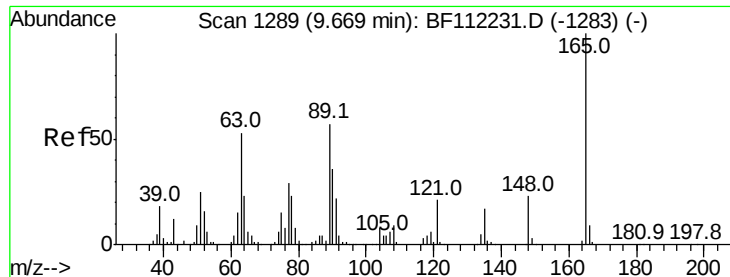
#45
 2-Fluorobiphenyl
 Concen: 103.930 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF112697.D
 Acq: 25 Feb 2019 17:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.5	45.7
170	23.4	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

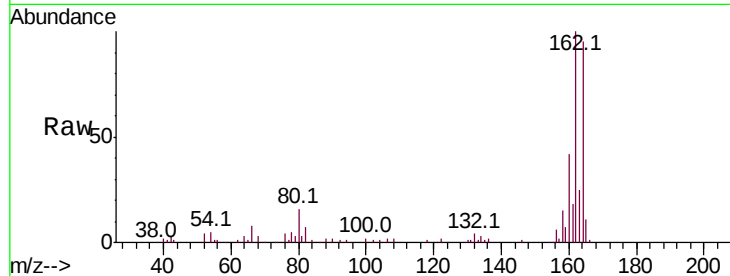




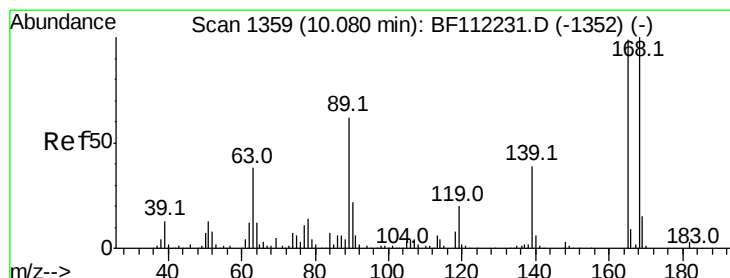
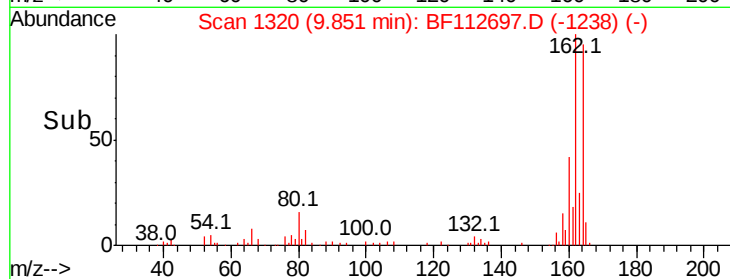
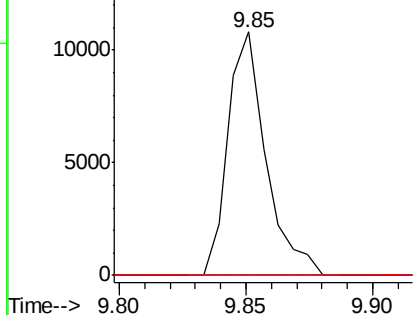
#51
 2,6-Dinitrotoluene
 Concen: 6.953 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.18 min
 Lab File: BF112697.D
 Acq: 25 Feb 2019 17:25

Instrument :
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Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.8	50.8#
89	0.0	36.9	55.3#



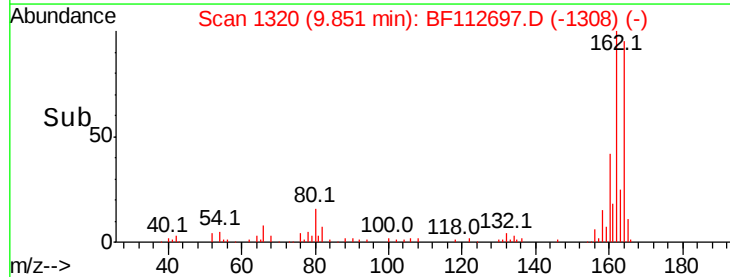
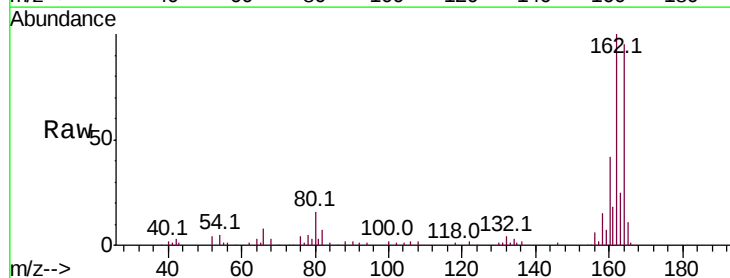
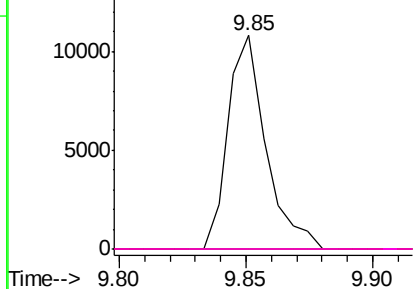
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

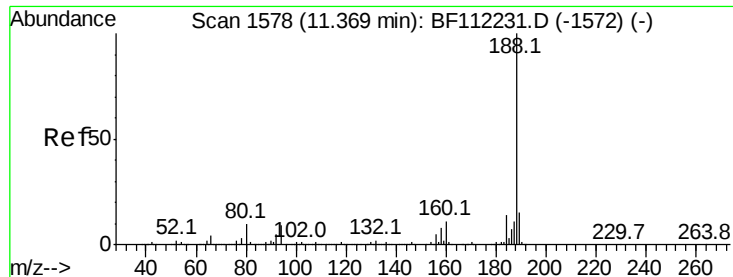


#57
 2,4-Dinitrotoluene
 Concen: 5.462 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.23 min
 Lab File: BF112697.D
 Acq: 25 Feb 2019 17:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	27.9	41.9#
89	0.0	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

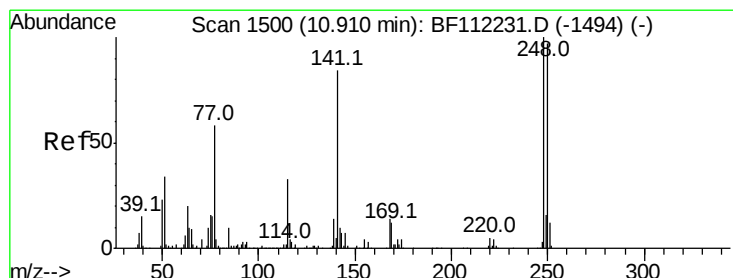
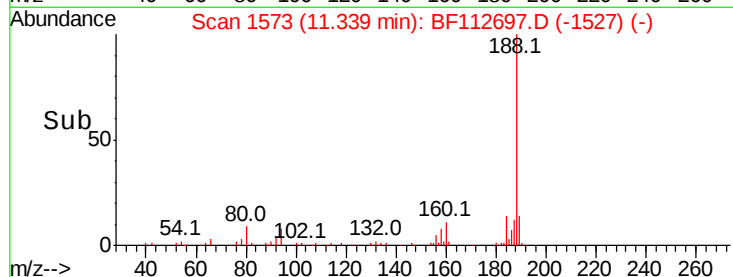
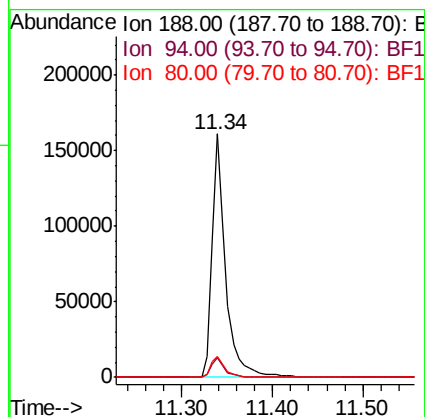
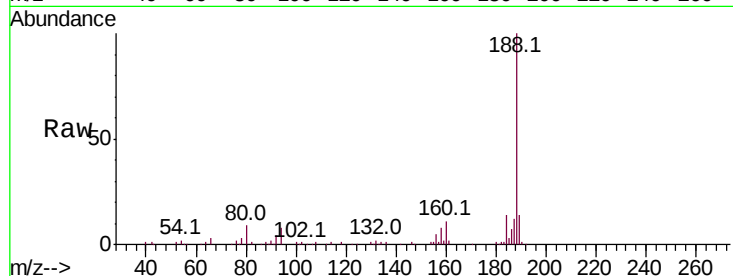




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.03 min
Lab File: BF112697.D
Acq: 25 Feb 2019 17:25

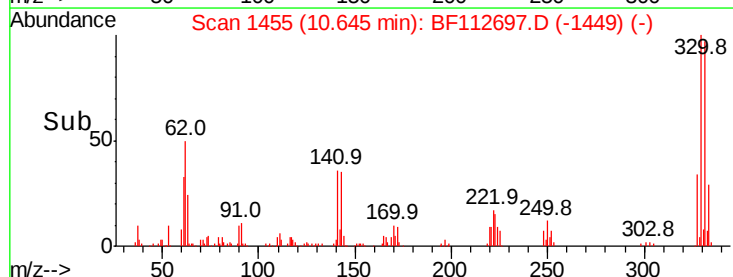
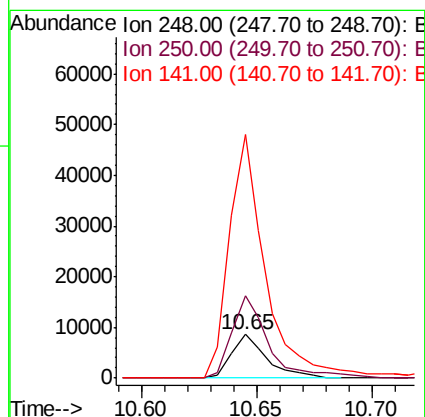
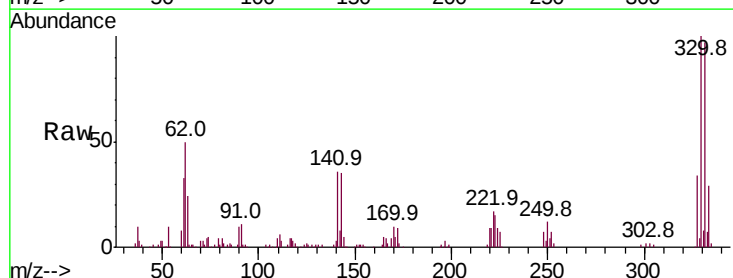
Instrument :
BNA_F
ClientSampleId :
TP-CBF-B10

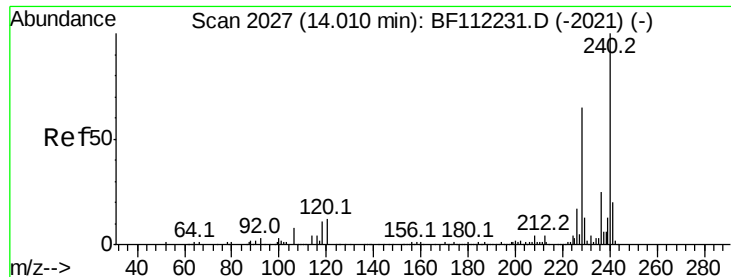
Tot Ion:188 Resp: 170348
Ion Ratio Lower Upper
188 100
94 7.8 8.2 12.2#
80 8.6 8.9 13.3#



#67
4-Bromophenyl-phenylether
Concen: 4.545 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.26 min
Lab File: BF112697.D
Acq: 25 Feb 2019 17:25

Tgt Ion:248 Resp: 9106
Ion Ratio Lower Upper
248 100
250 189.8 79.7 119.5#
141 559.1 60.3 90.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.02 min

Lab File: BF112697.D

Acq: 25 Feb 2019 17:25

Instrument :

BNA_F

ClientSampleId :

TP-CBF-B10

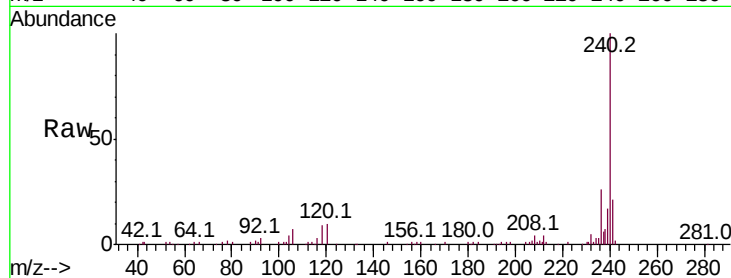
Tot Ion:240 Resp: 134978

Ion Ratio Lower Upper

240 100

120 9.8 9.0 13.6

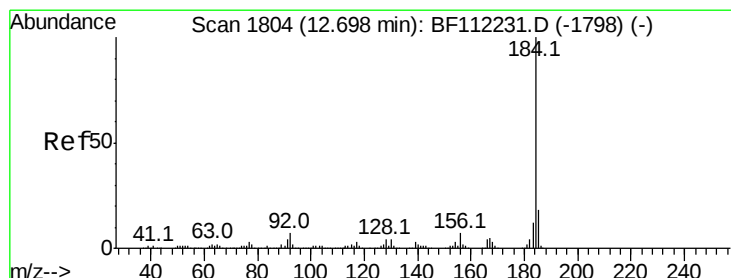
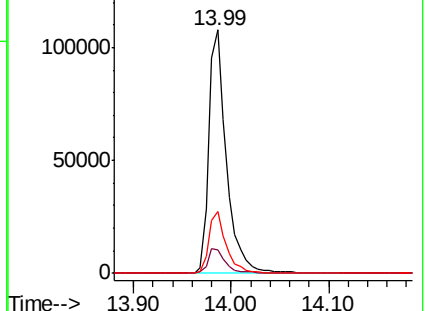
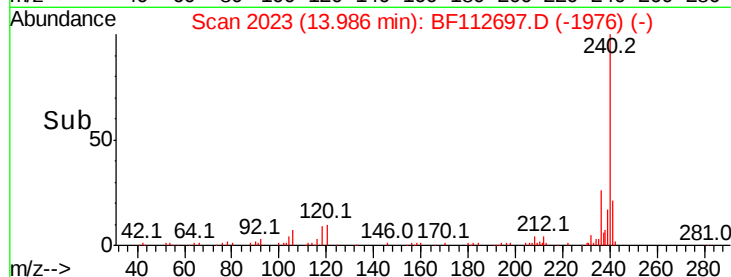
236 25.6 20.7 31.1



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: 2.698 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.22 min

Lab File: BF112697.D

Acq: 25 Feb 2019 17:25

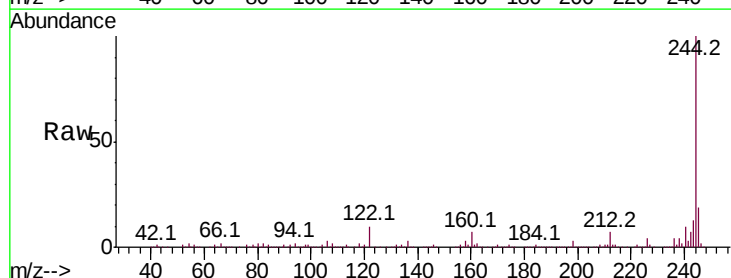
Tgt Ion:184 Resp: 10025

Ion Ratio Lower Upper

184 100

185 15.9 13.9 20.9

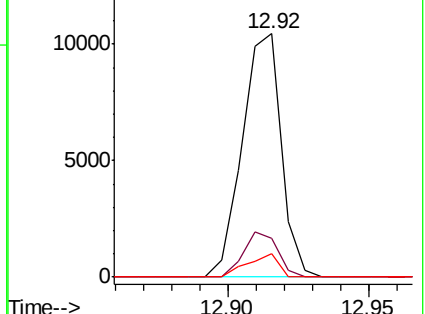
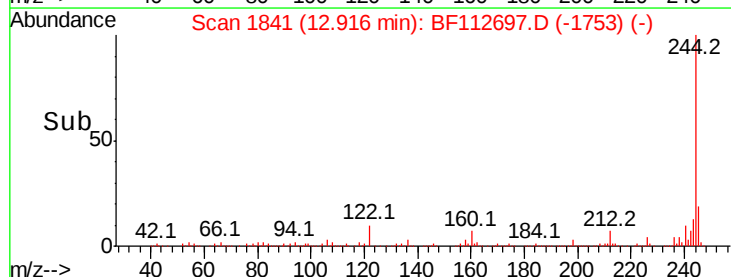
183 9.5 10.0 15.0#

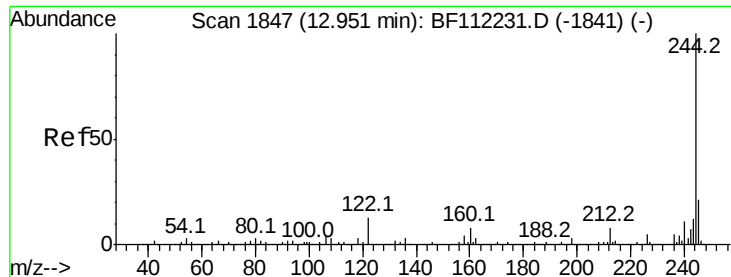


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

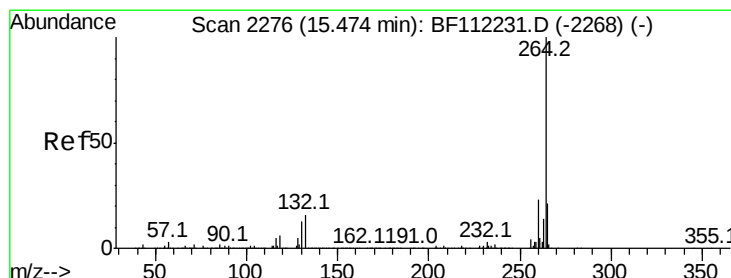
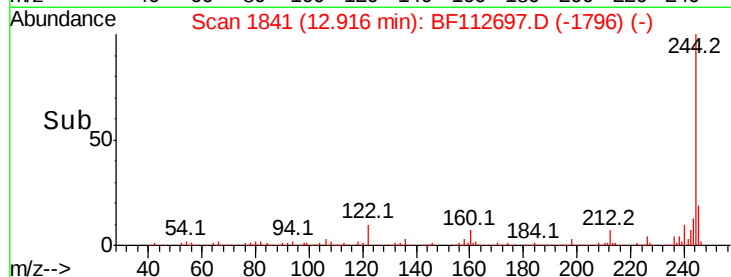
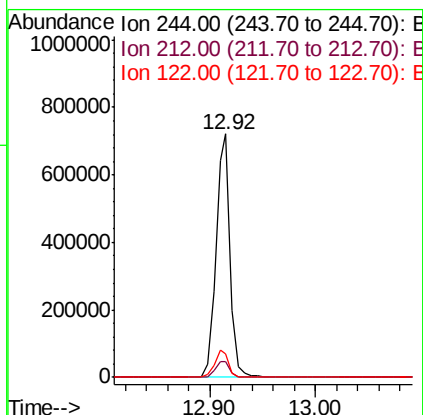
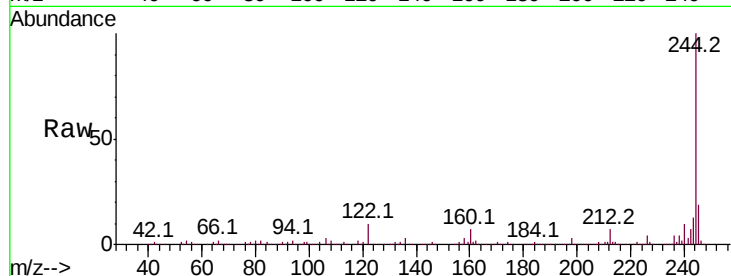




#79
 Terphenyl-d14
 Concen: 94.985 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: BF112697.D
 Acq: 25 Feb 2019 17:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-CBF-B10

Tot Ion:244 Resp: 680717
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.9 8.9
 122 9.6 9.8 14.6#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. -0.02 min
 Lab File: BF112697.D
 Acq: 25 Feb 2019 17:25

Tgt Ion:264 Resp: 124655
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.2 27.2
 265 20.5 17.0 25.4

