

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF092220\
 Data File : BF121645.D
 Acq On : 22 Sep 2020 17:47
 Operator : JU/CG
 Sample : PB131763BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB131763BL

Quant Time: Sep 22 18:13:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 17:53:26 2020
 Response via : Initial Calibration

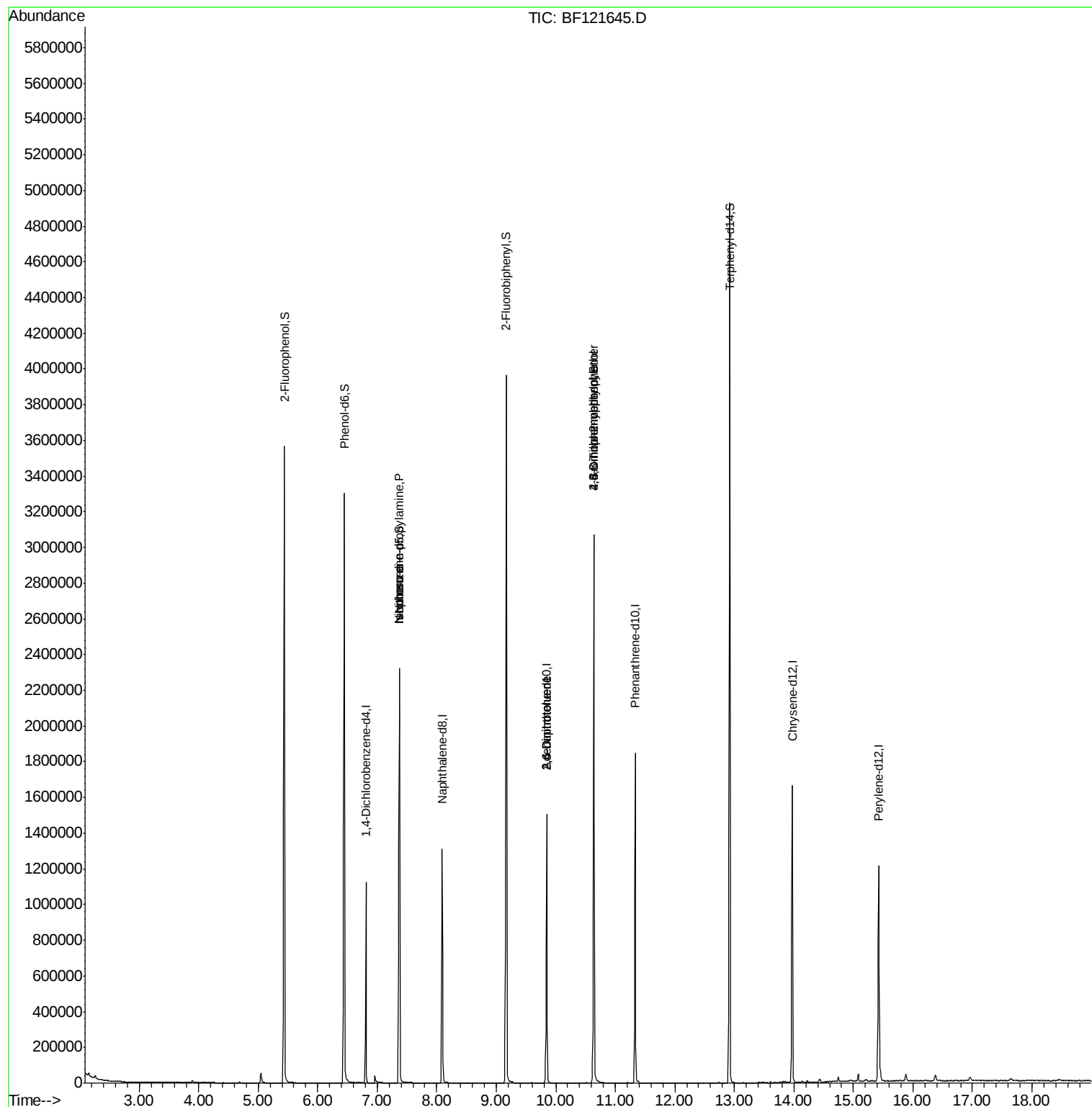
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	161976	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	653631	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	348282	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	687315	20.00	ng	0.00
76) Chrysene-d12	13.97	240	638848	20.00	ng	0.00
86) Perylene-d12	15.43	264	591103	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	971556	89.14	ng	0.01
7) Phenol-d6	6.45	99	1279040	89.45	ng	0.00
23) Nitrobenzene-d5	7.37	82	868355	71.33	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	435925	100.71	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1571192	68.32	ng	0.00
79) Terphenyl-d14	12.93	244	1856336	58.87	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	115736	14.044	ng	# 79
25) Isophorone	7.37	82	858947	35.051	ng	# 67
51) 2,6-Dinitrotoluene	9.85	165	44323	8.245	ng	# 23
57) 2,4-Dinitrotoluene	9.85	165	44323	6.554	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.64	198	652	6.985	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	24616	3.146	ng	# 1

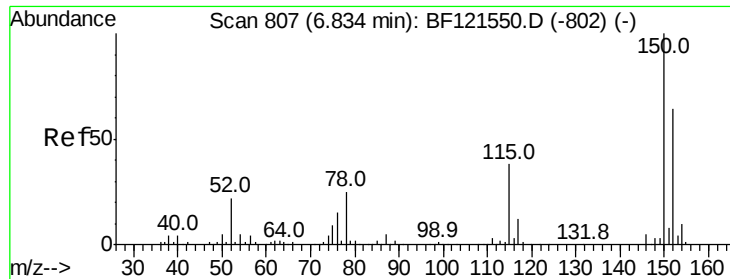
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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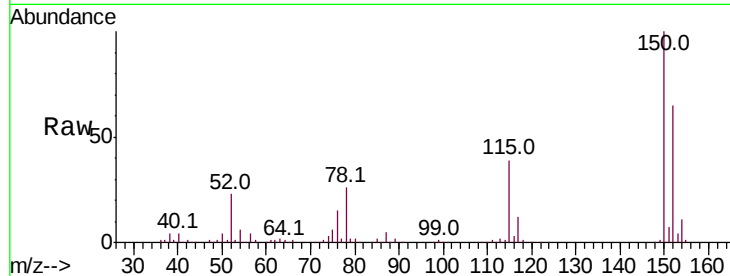


#1

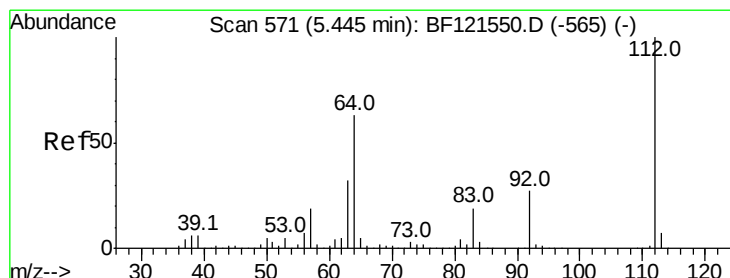
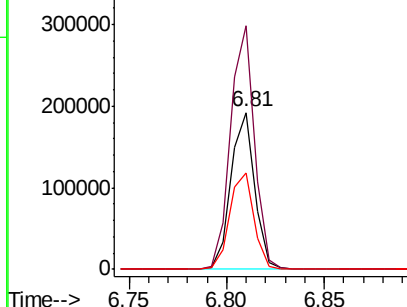
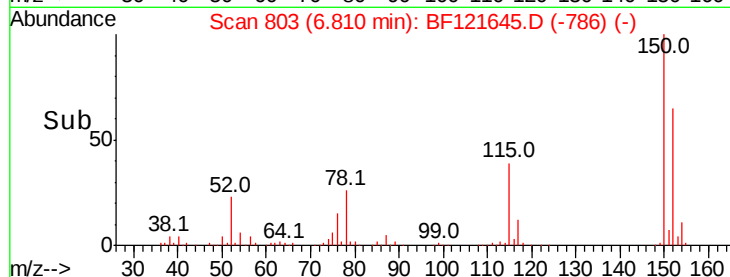
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF121645.D
Acq: 22 Sep 2020 17:47

Instrument :
BNA_F
ClientSampleId :
PB131763BL

Tot Ion:152 Resp: 161976
Ion Ratio Lower Upper
152 100
150 154.9 128.1 192.1
115 61.1 52.6 79.0



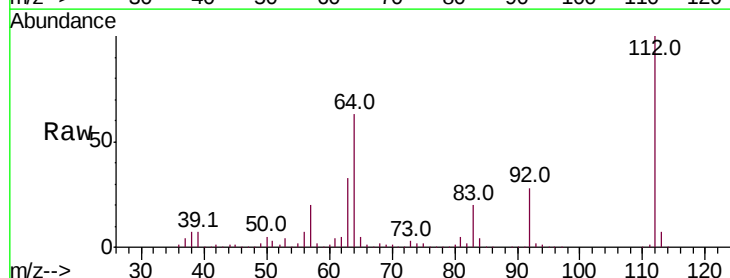
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



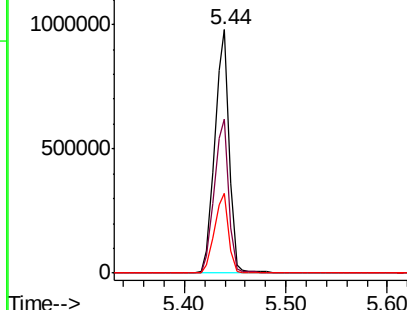
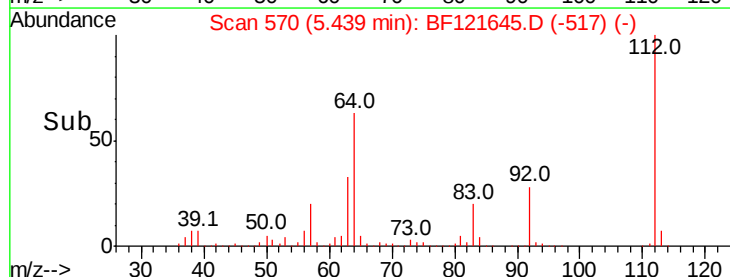
#5

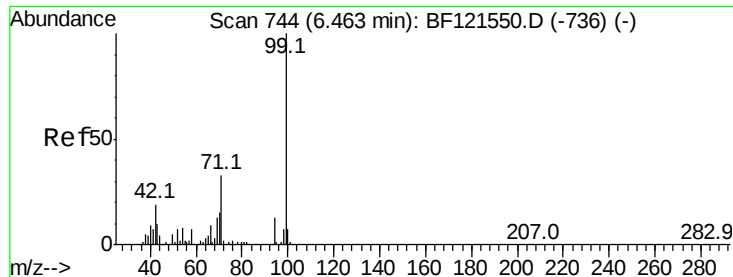
2-Fluorophenol
Concen: 89.140 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.01 min
Lab File: BF121645.D
Acq: 22 Sep 2020 17:47

Tgt Ion:112 Resp: 971556
Ion Ratio Lower Upper
112 100
64 63.0 52.2 78.2
63 32.6 26.6 39.8



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: 89.449 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF121645.D

Acq: 22 Sep 2020 17:47

Instrument :

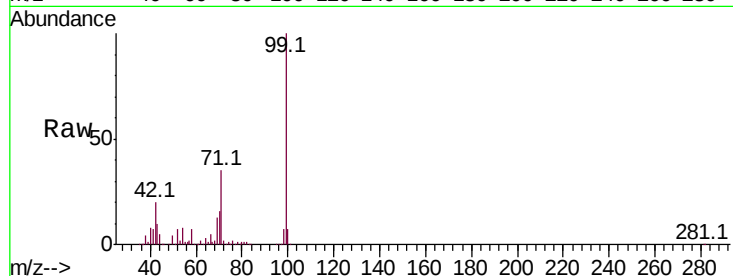
BNA_F

ClientSampleId :

PB131763BL

Tot Ion: 99 Resp: 1279040

Ion	Ratio	Lower	Upper
99	100		
42	20.1	15.5	23.3
71	35.1	27.4	41.2

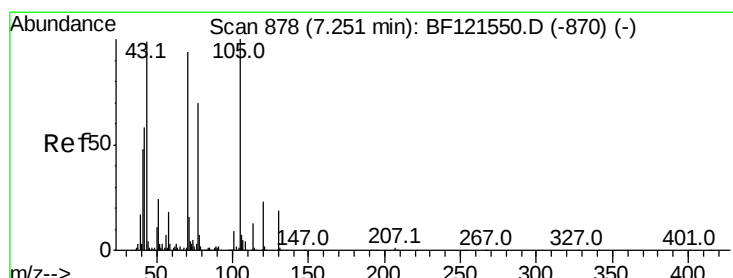
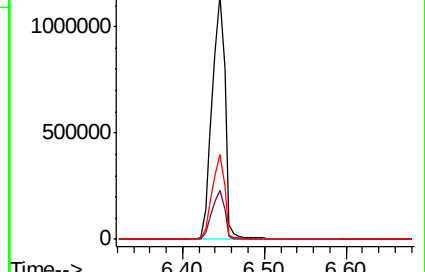
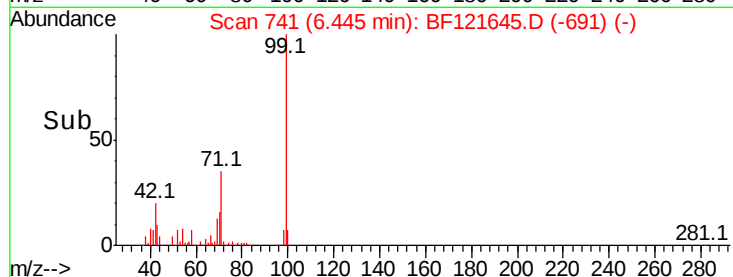


Abundance

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: 14.044 ng

RT: 7.37 min Scan# 899

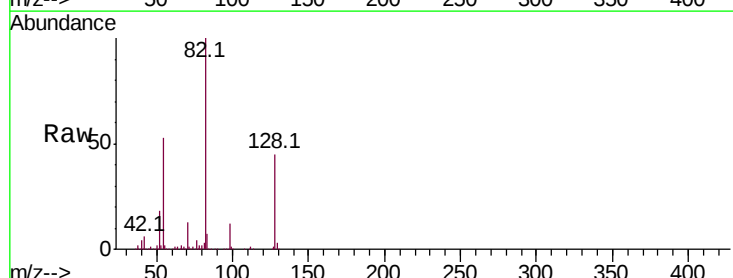
Delta R.T. 0.15 min

Lab File: BF121645.D

Acq: 22 Sep 2020 17:47

Tgt Ion: 70 Resp: 115736

Ion	Ratio	Lower	Upper
70	100		
42	49.3	48.3	72.5
101	0.0	7.6	11.4#
130	1.8	15.9	23.9#



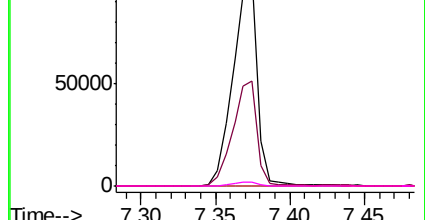
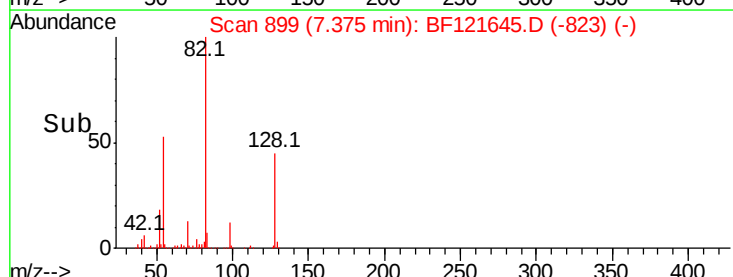
Abundance

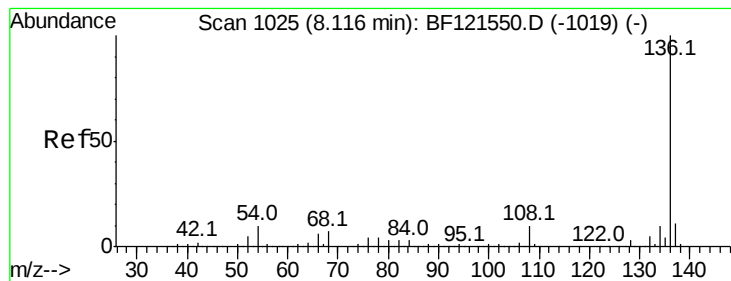
Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF121645.D

Acq: 22 Sep 2020 17:47

Instrument :

BNA_F

ClientSampleID :

PB131763BL

Tot Ion:136 Resp: 653631

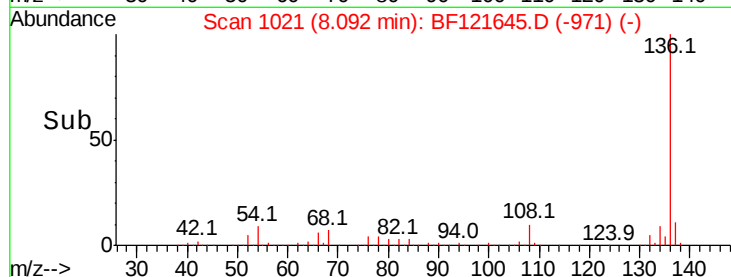
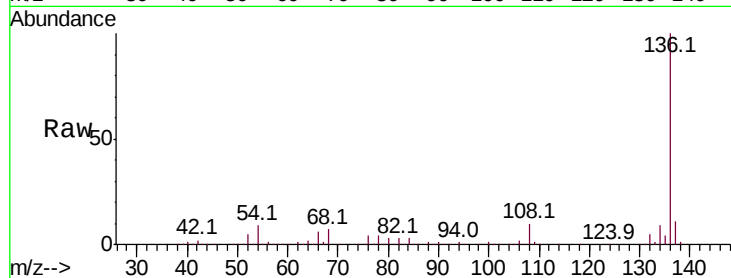
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.3 7.4 11.0

68 6.6 5.3 7.9

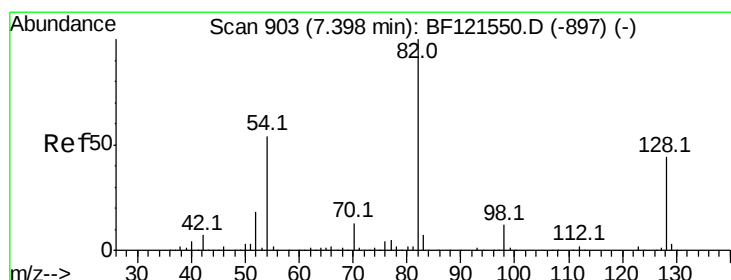
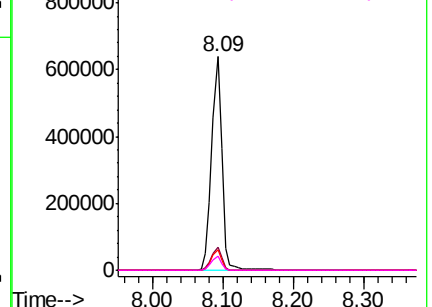


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.330 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121645.D

Acq: 22 Sep 2020 17:47

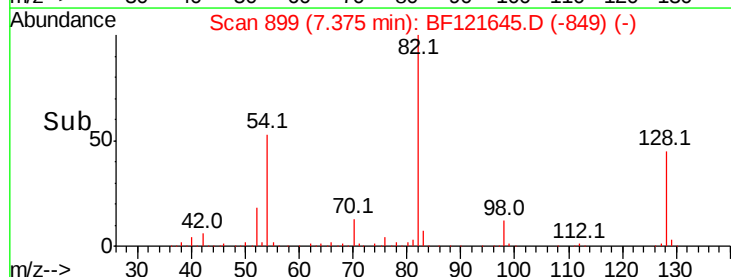
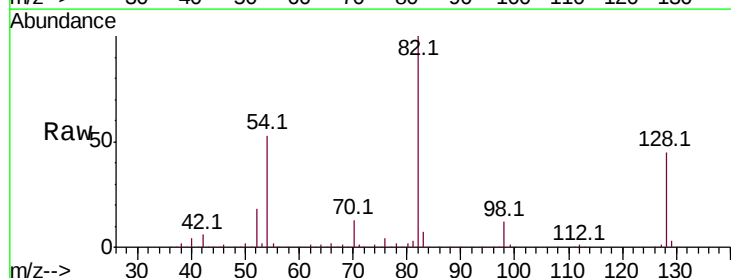
Tgt Ion: 82 Resp: 868355

Ion Ratio Lower Upper

82 100

128 44.6 33.9 50.9

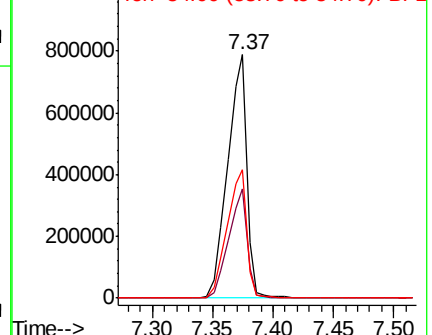
54 52.6 42.9 64.3

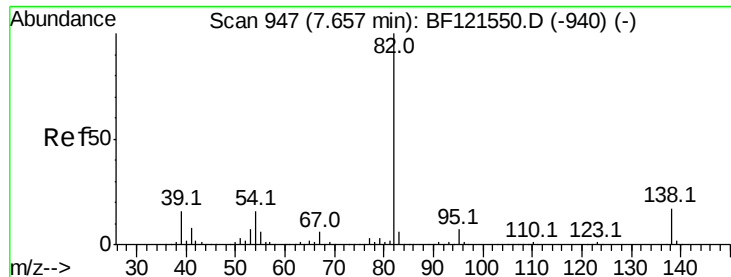


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.051 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121645.D

Acq: 22 Sep 2020 17:47

Instrument :

BNA_F

ClientSampleId :

PB131763BL

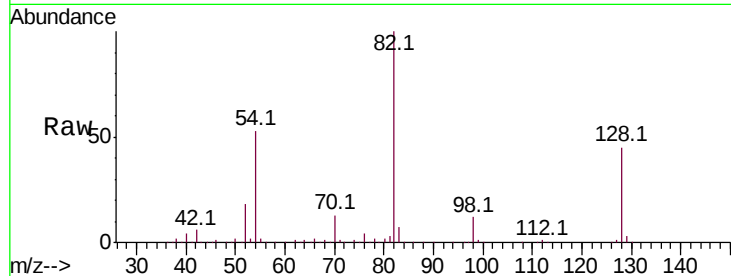
Tot Ion: 82 Resp: 858947

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

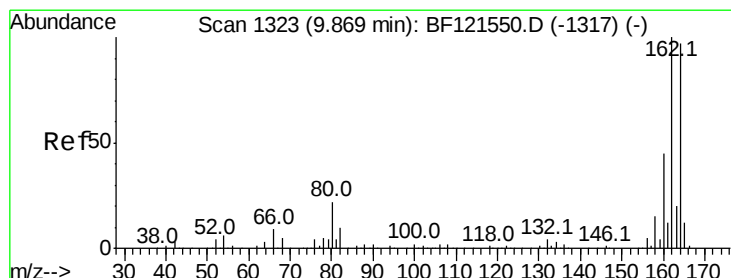
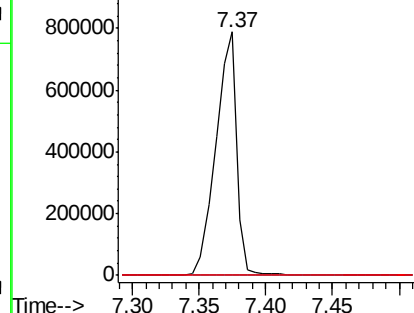
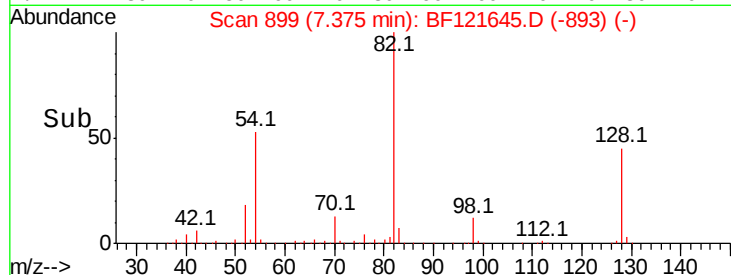
138 0.0 13.2 19.8#



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: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121645.D

Acq: 22 Sep 2020 17:47

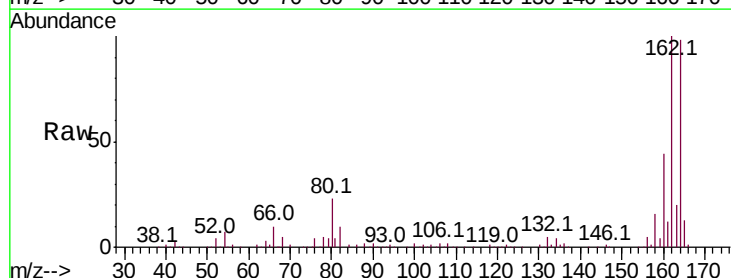
Tgt Ion:164 Resp: 348282

Ion Ratio Lower Upper

164 100

162 101.9 81.2 121.8

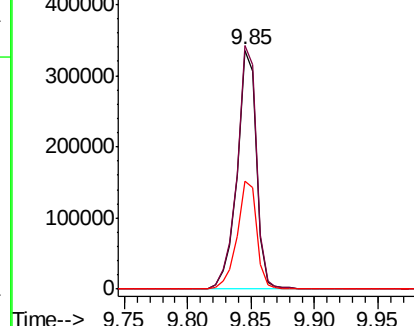
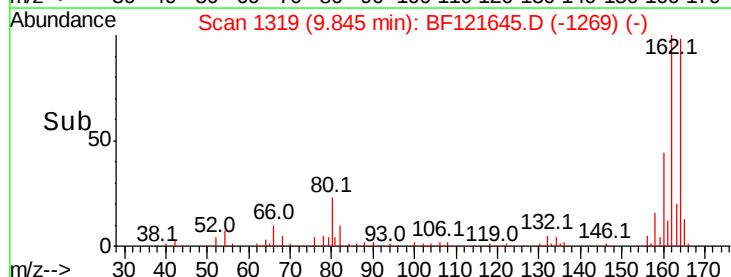
160 45.1 36.2 54.4

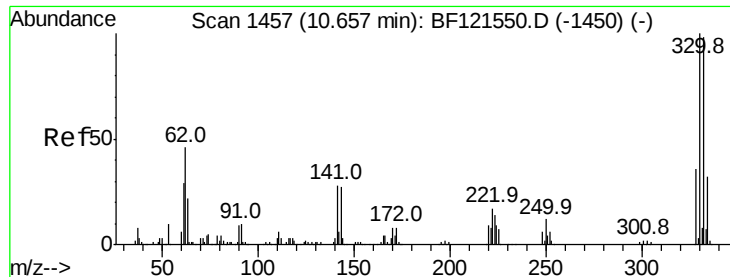


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

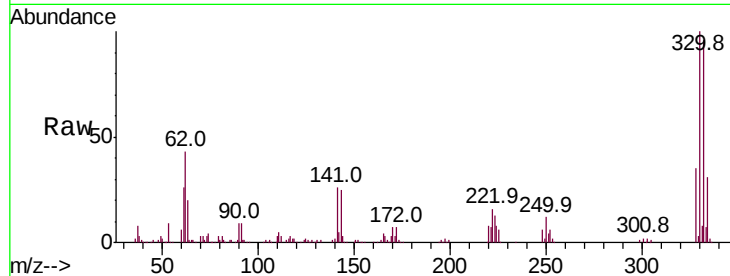




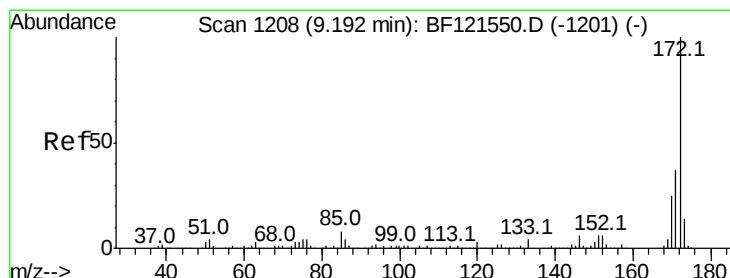
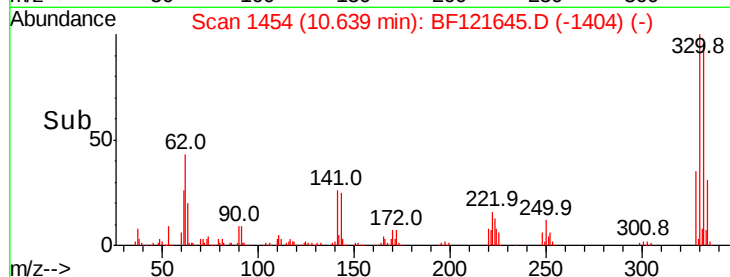
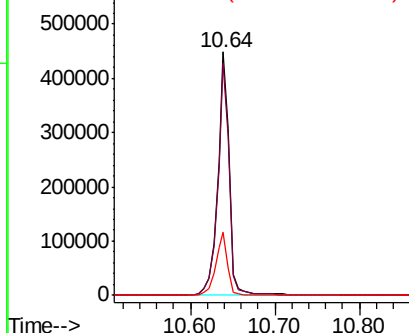
#42
 2,4,6-Tribromophenol
 Concen: 100.706 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF121645.D
 Acq: 22 Sep 2020 17:47

Instrument :
 BNA_F
 ClientSampleId :
 PB131763BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.9	115.3
141	27.1	22.4	33.6

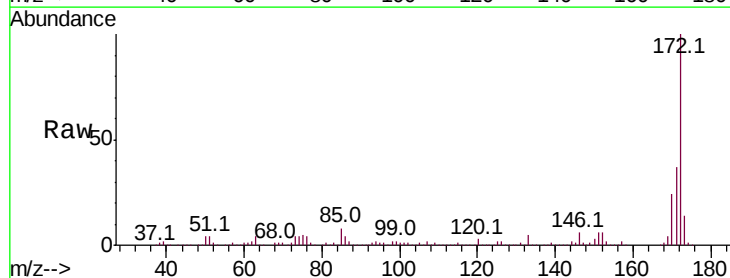


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

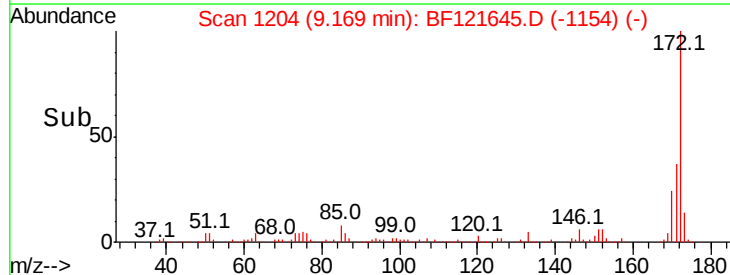
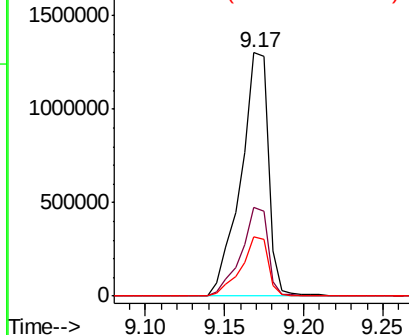


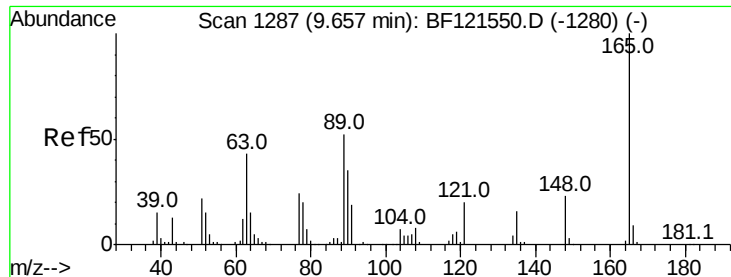
#45
 2-Fluorobiphenyl
 Concen: 68.324 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF121645.D
 Acq: 22 Sep 2020 17:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.3	43.9
170	24.4	19.5	29.3



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: 8.245 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF121645.D

Acq: 22 Sep 2020 17:47

Instrument :

BNA_F

ClientSampleId :

PB131763BL

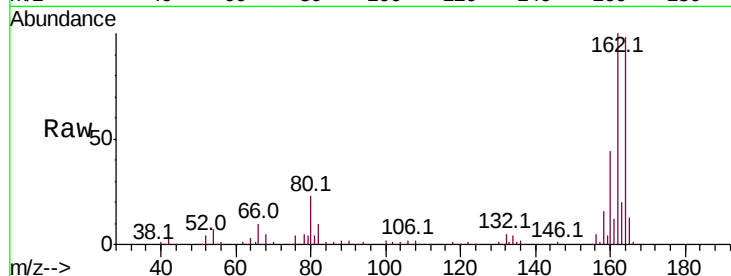
Tot Ion:165 Resp: 44323

Ion Ratio Lower Upper

165 100

63 1.2 47.6 71.4#

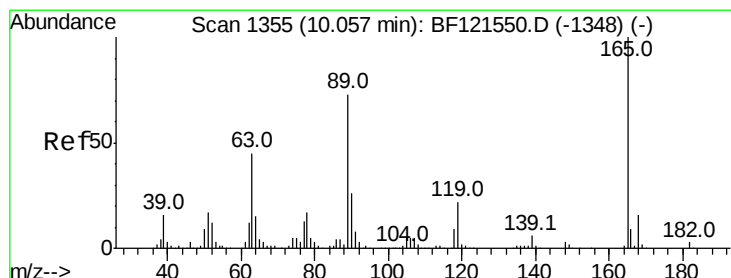
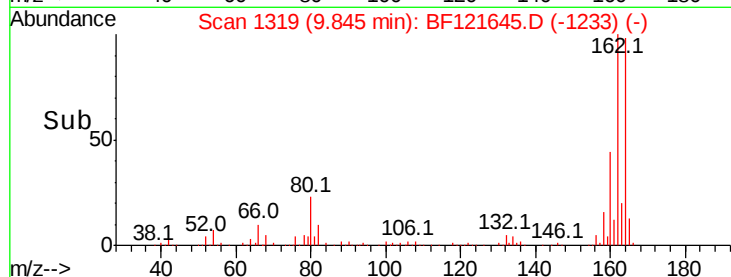
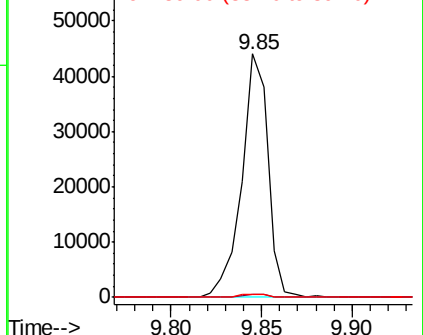
89 1.2 46.0 69.0#



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: 6.554 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.20 min

Lab File: BF121645.D

Acq: 22 Sep 2020 17:47

Tgt Ion:165 Resp: 44323

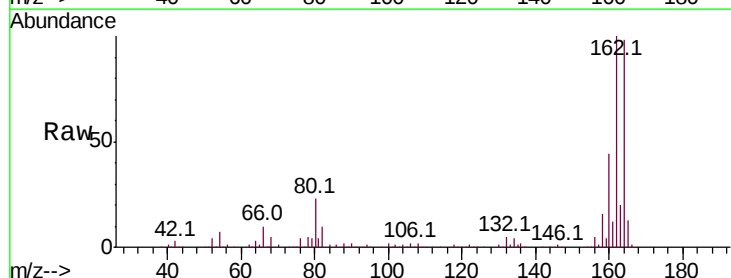
Ion Ratio Lower Upper

165 100

63 1.2 36.7 55.1#

89 1.2 57.7 86.5#

182 0.0 2.1 3.1#

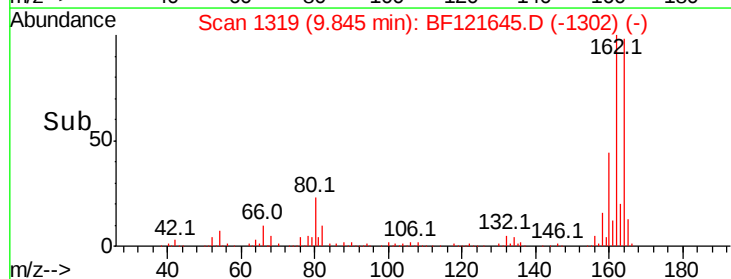
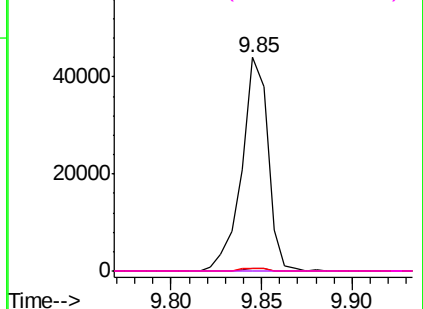


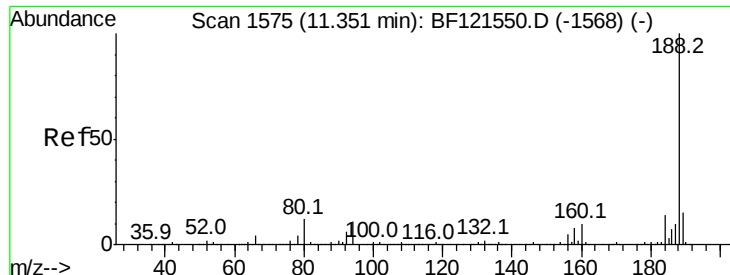
Abundance Ion 165.00 (164.70 to 165.70): E

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

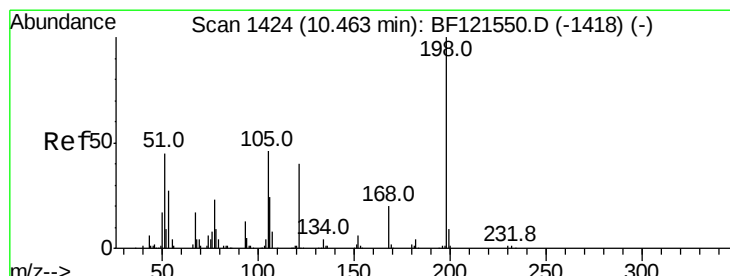
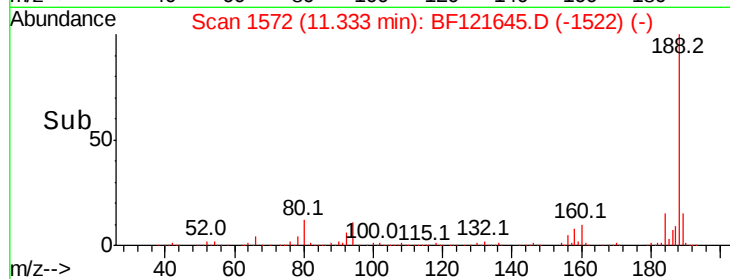
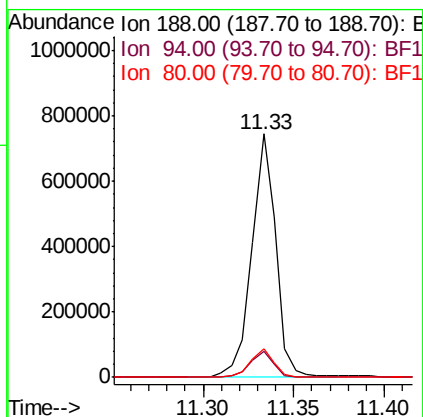
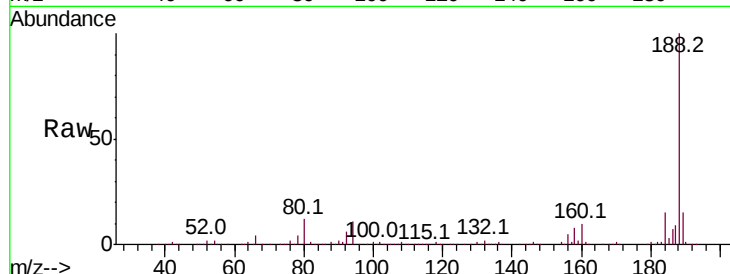




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF121645.D
 Acq: 22 Sep 2020 17:47

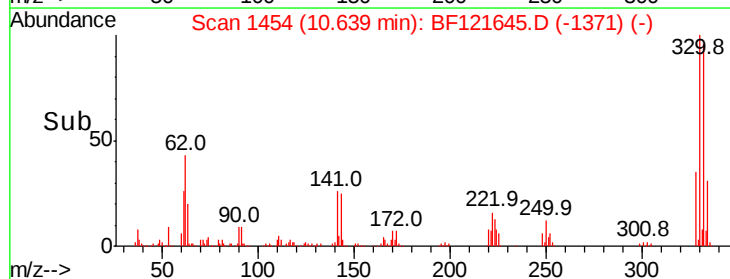
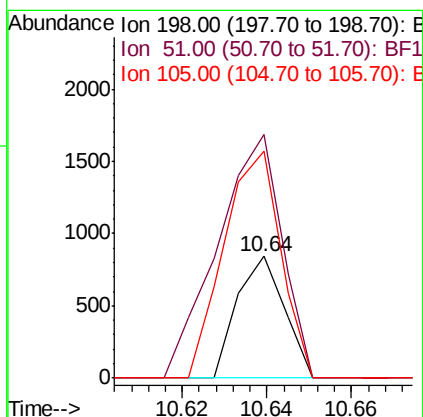
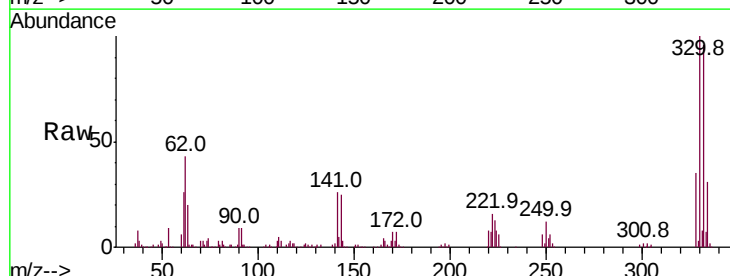
Instrument :
 BNA_F
 ClientSampleId :
 PB131763BL

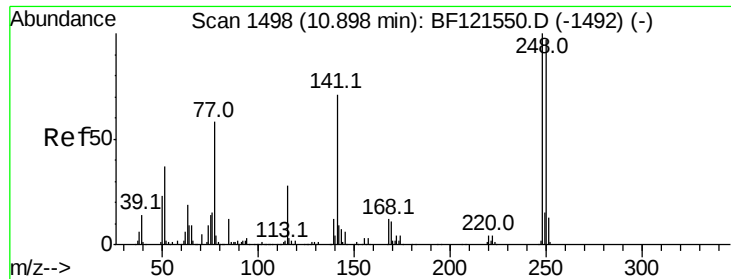
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.4	12.6
80	11.7	9.0	13.4



#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.985 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.19 min
 Lab File: BF121645.D
 Acq: 22 Sep 2020 17:47

Tgt Ion	Ratio	Lower	Upper
198	100		
51	200.6	20.3	60.3#
105	186.7	20.2	60.2#

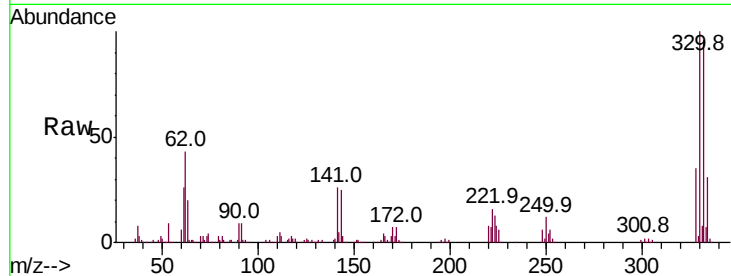




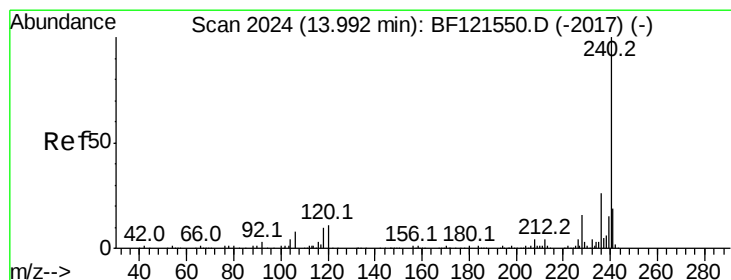
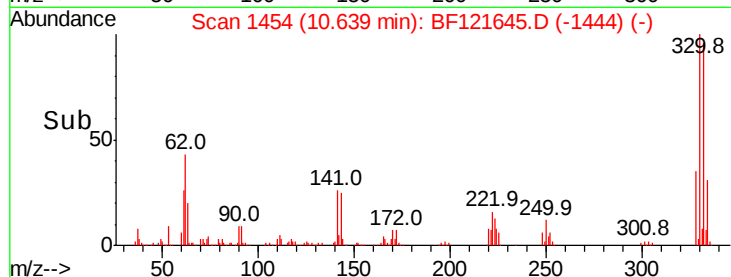
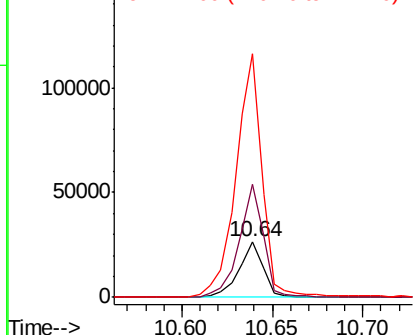
#67
4-Bromophenyl-phenylether
Concen: 3.146 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF121645.D
Acq: 22 Sep 2020 17:47

Instrument :
BNA_F
ClientSampleId :
PB131763BL

Tot Ion:248 Resp: 24616
Ion Ratio Lower Upper
248 100
250 200.9 79.4 119.0#
141 435.1 52.2 78.4#

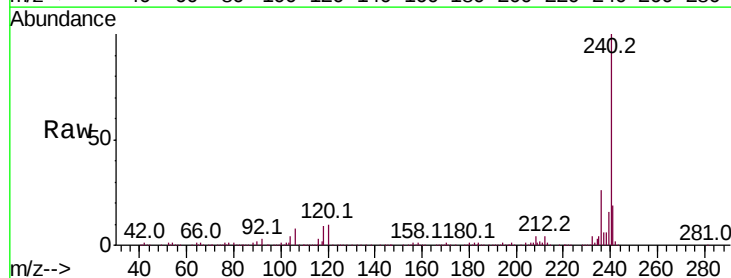


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

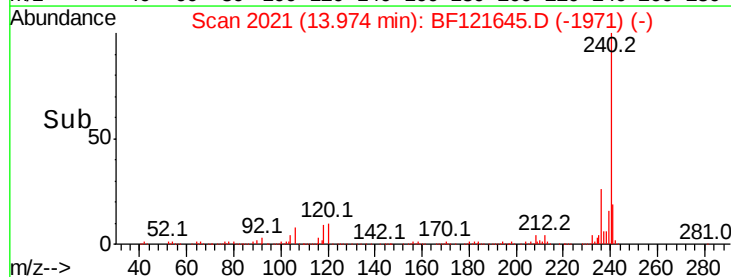
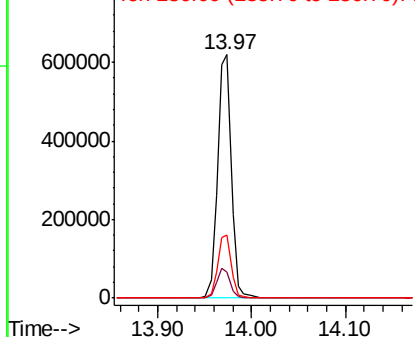


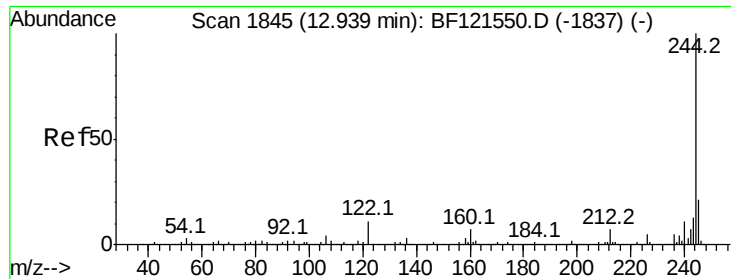
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF121645.D
Acq: 22 Sep 2020 17:47

Tgt Ion:240 Resp: 638848
Ion Ratio Lower Upper
240 100
120 10.5 9.2 13.8
236 26.1 20.4 30.6



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





#79

Terphenyl-d14

Concen: 58.868 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF121645.D

Acq: 22 Sep 2020 17:47

Instrument :

BNA_F

ClientSampleId :

PB131763BL

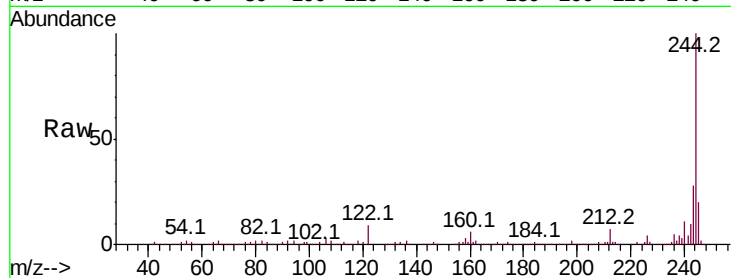
Tot Ion:244 Resp: 1856336

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

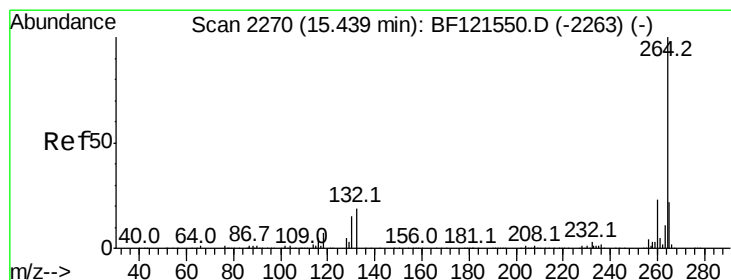
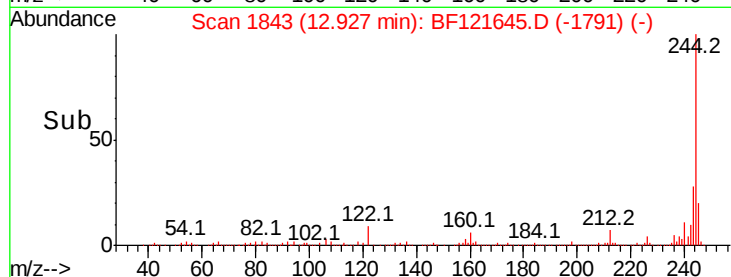
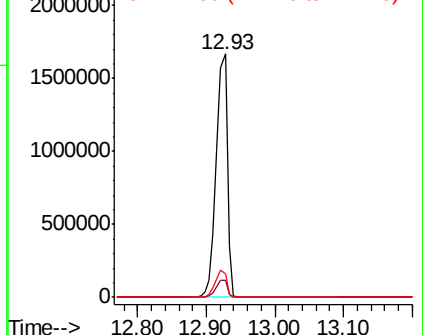
122 9.5 7.4 11.0



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.00 min

Lab File: BF121645.D

Acq: 22 Sep 2020 17:47

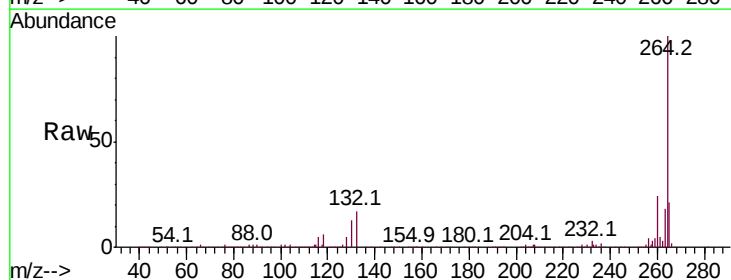
Tgt Ion:264 Resp: 591103

Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

265 21.2 17.3 25.9



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

