

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\
 Data File : BF121384.D
 Acq On : 21 Aug 2020 23:54
 Operator : JU/CG
 Sample : L3742-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 22 00:36:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

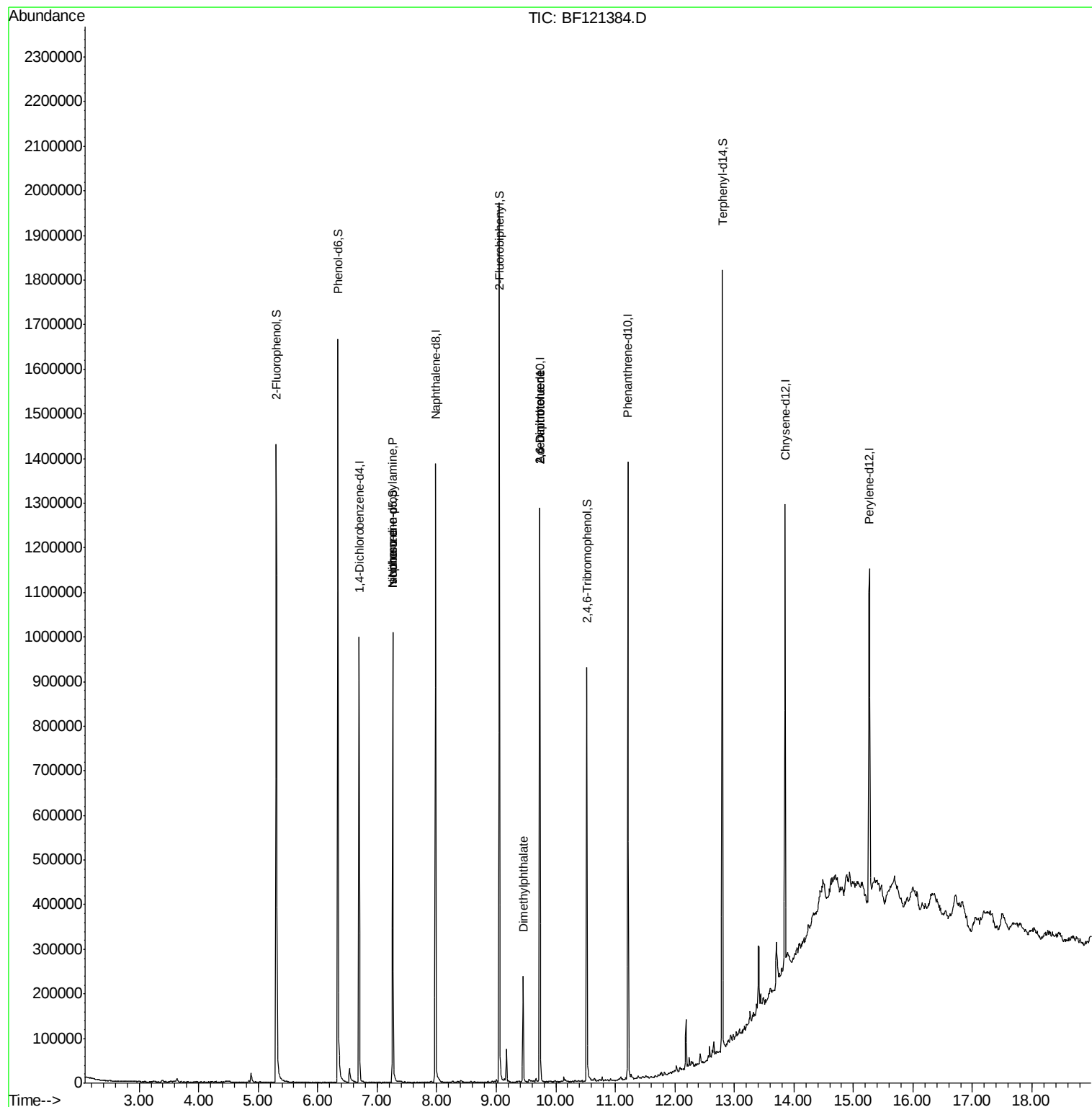
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	159082	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	588036	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	284092	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	482994	20.00	ng	0.00
76) Chrysene-d12	13.85	240	343677	20.00	ng	0.00
86) Perylene-d12	15.27	264	365291	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	452433	46.63	ng	0.00
7) Phenol-d6	6.34	99	550219	44.43	ng	0.00
23) Nitrobenzene-d5	7.26	82	336393	32.35	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	128930	38.94	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	659567	37.32	ng	0.00
79) Terphenyl-d14	12.80	244	541199	30.77	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	42961	6.450	ng	# 78
25) Isophorone	7.26	82	332767	17.587	ng	# 65
50) Dimethylphthalate	9.45	163	92556	4.478	ng	# 99
51) 2,6-Dinitrotoluene	9.73	165	36337	8.232	ng	# 29
57) 2,4-Dinitrotoluene	9.73	165	36337	6.748	ng	# 25
58) Fluorene	10.28	166	238	Below Cal		# 92

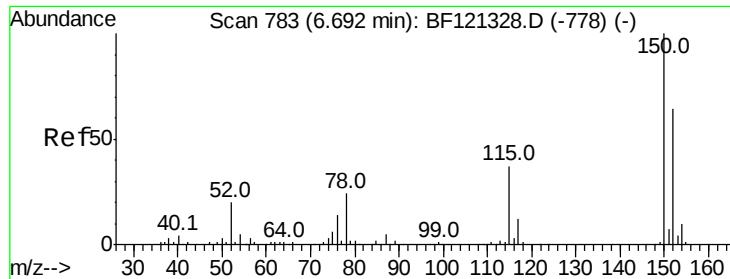
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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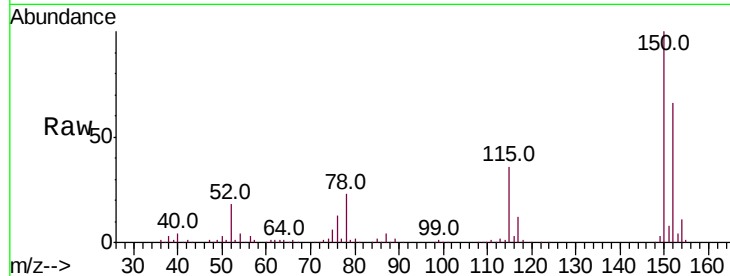


#1

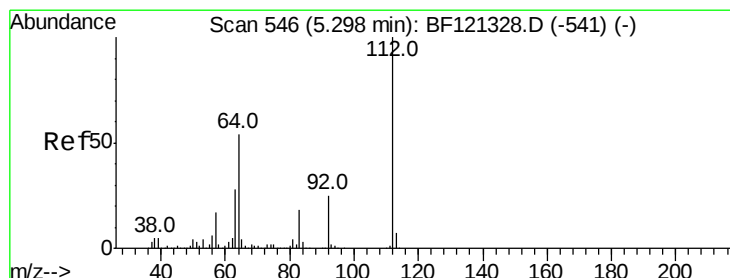
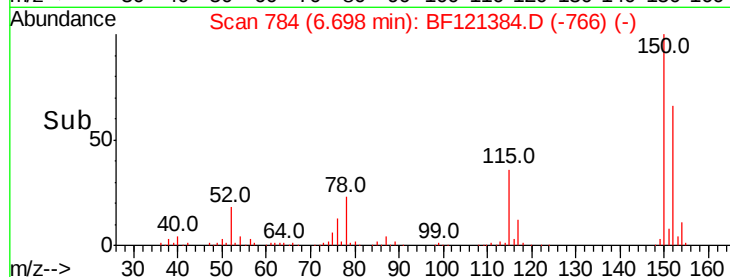
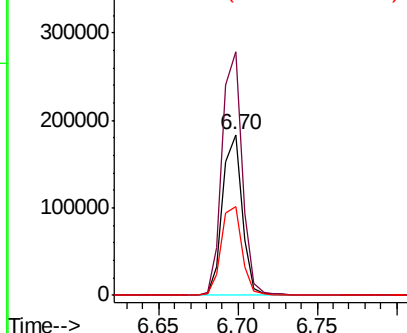
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF121384.D
Acq: 21 Aug 2020 23:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 159082
Ion Ratio Lower Upper
152 100
150 151.4 124.8 187.2
115 55.0 46.1 69.1



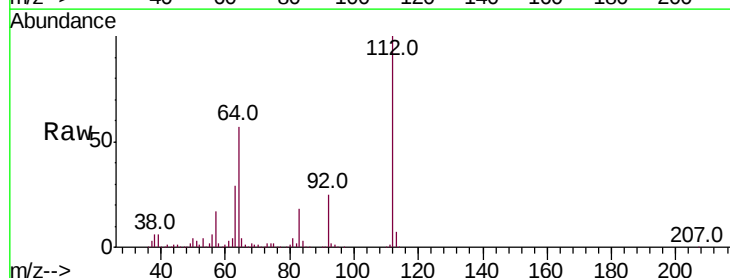
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



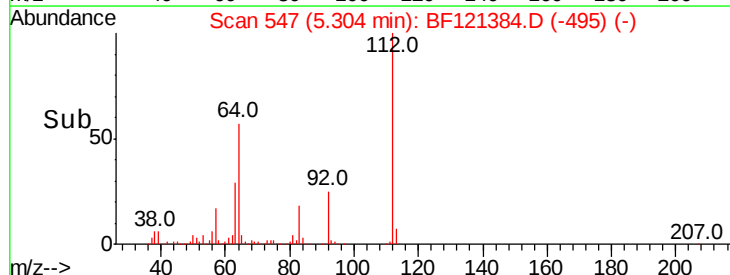
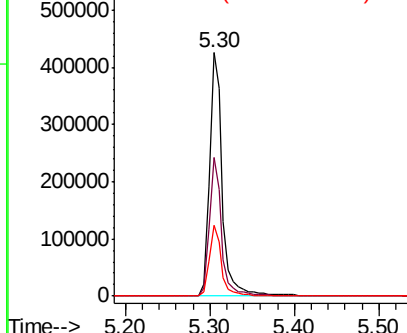
#5

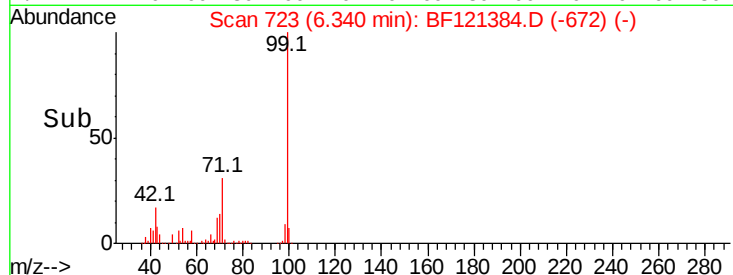
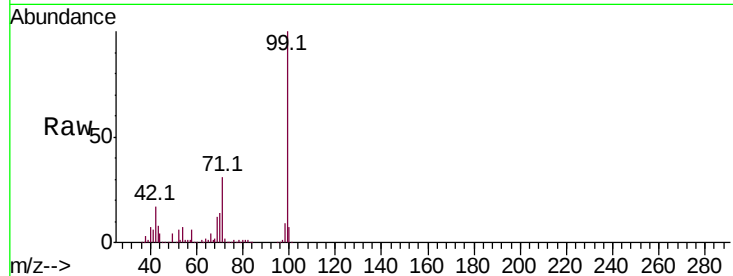
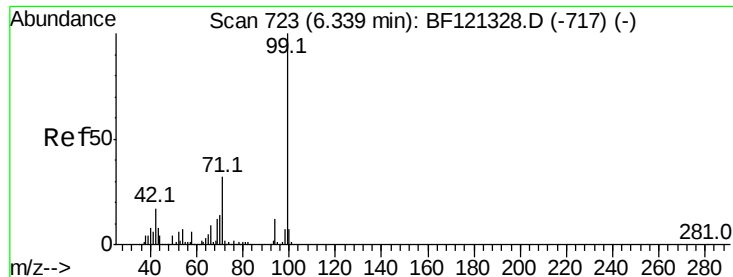
2-Fluorophenol
Concen: 46.634 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF121384.D
Acq: 21 Aug 2020 23:54

Tgt Ion:112 Resp: 452433
Ion Ratio Lower Upper
112 100
64 56.9 43.5 65.3
63 29.0 22.0 33.0



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: 44.426 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF121384.D

Acq: 21 Aug 2020 23:54

Instrument :

BNA_F

ClientSampleId :

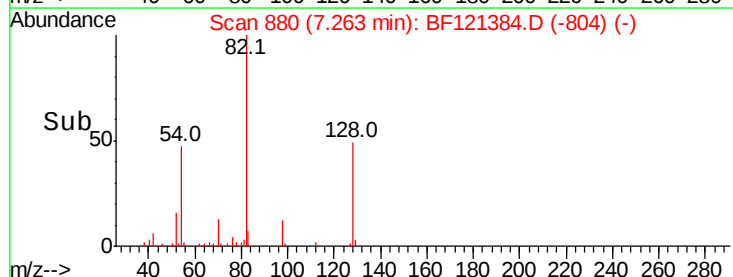
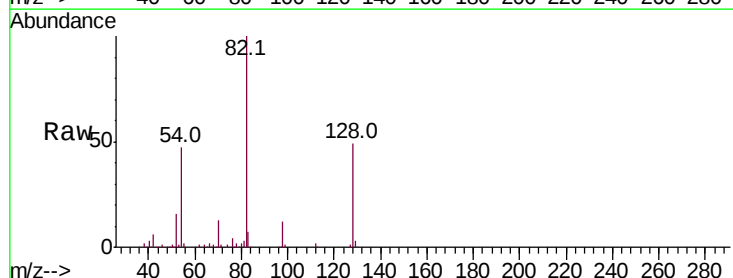
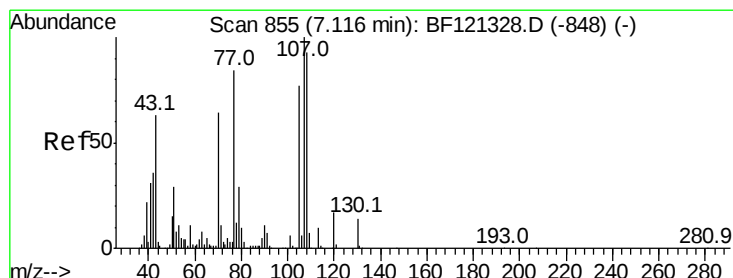
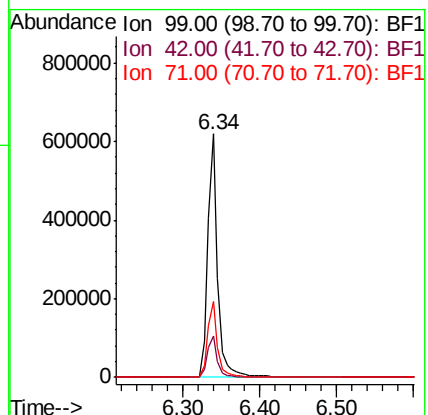
Tot Ion: 99 Resp: 550219

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

71 31.4 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 6.450 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.15 min

Lab File: BF121384.D

Acq: 21 Aug 2020 23:54

Tgt Ion: 70 Resp: 42961

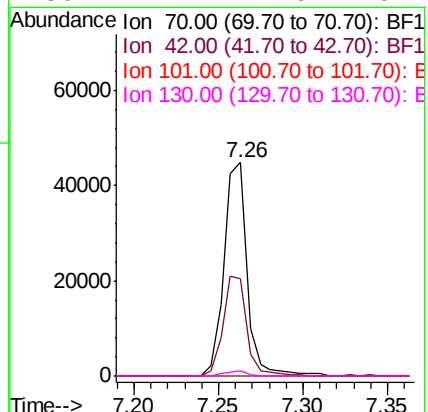
Ion Ratio Lower Upper

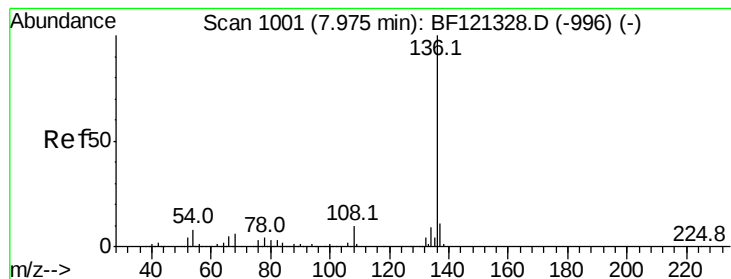
70 100

42 45.8 45.2 67.8

101 0.0 7.7 11.5#

130 2.4 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BF121384.D

Acq: 21 Aug 2020 23:54

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 588036

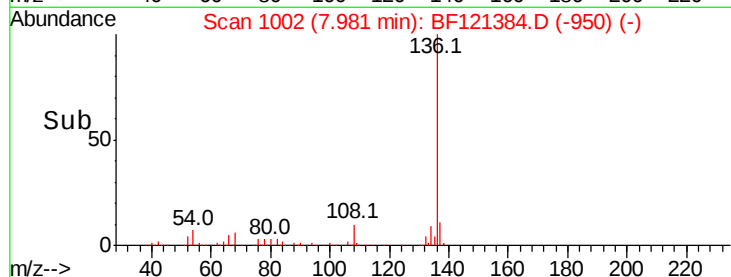
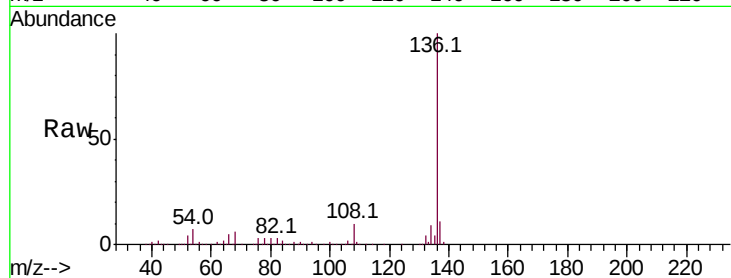
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.2 6.1 9.1

68 5.8 5.0 7.4

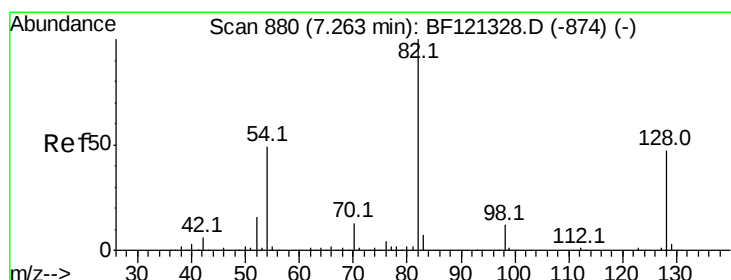
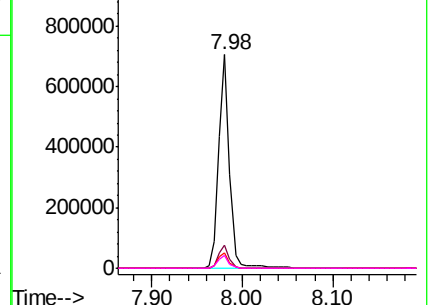


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.354 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF121384.D

Acq: 21 Aug 2020 23:54

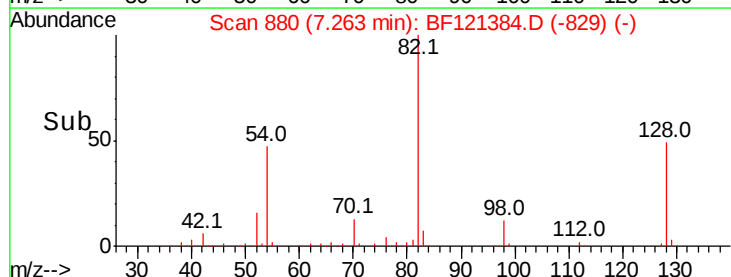
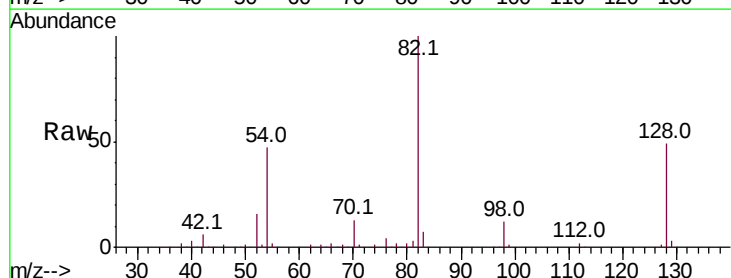
Tgt Ion: 82 Resp: 336393

Ion Ratio Lower Upper

82 100

128 48.8 37.9 56.9

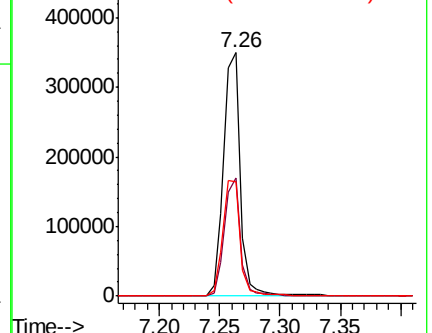
54 47.2 39.0 58.4

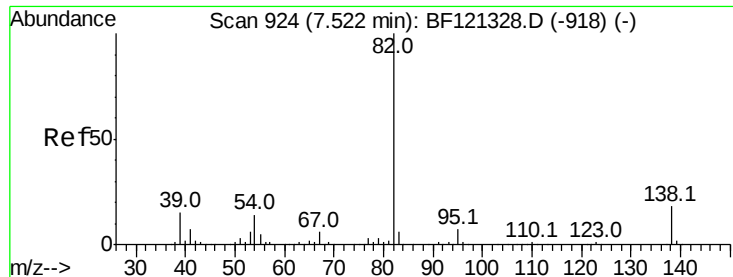


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.587 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF121384.D

Acq: 21 Aug 2020 23:54

Instrument :
BNA_F
ClientSampled :

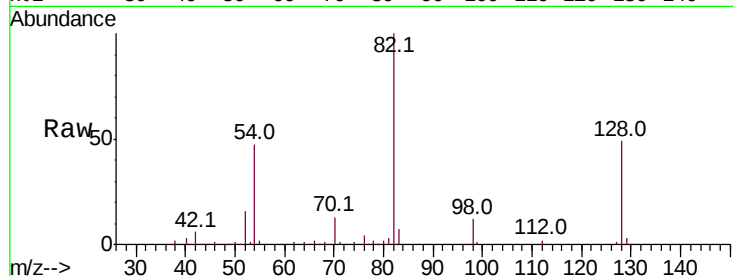
Tot Ion: 82 Resp: 332767

Ion Ratio Lower Upper

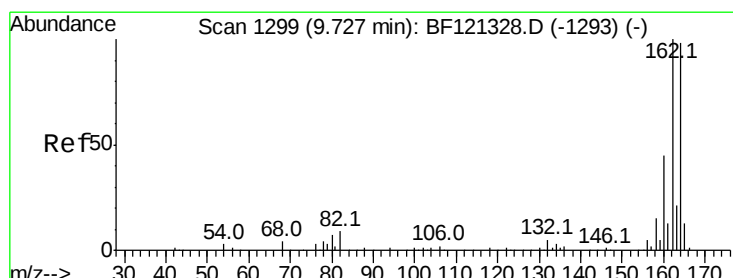
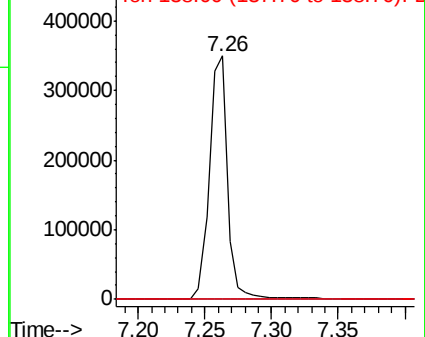
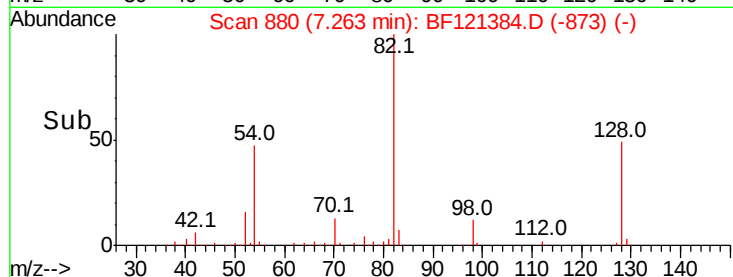
82 100

95 0.0 5.3 7.9#

138 0.0 14.6 21.8#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.01 min

Lab File: BF121384.D

Acq: 21 Aug 2020 23:54

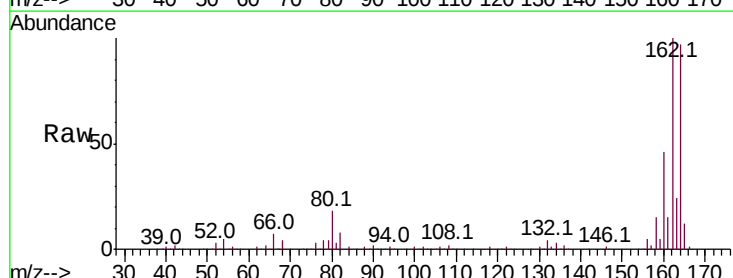
Tgt Ion:164 Resp: 284092

Ion Ratio Lower Upper

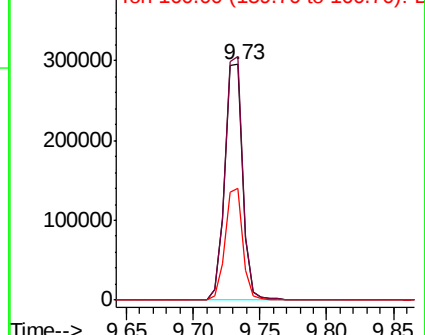
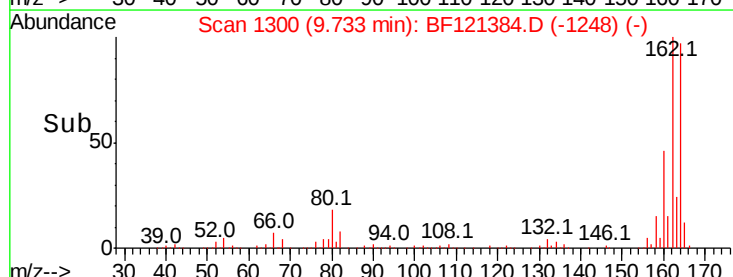
164 100

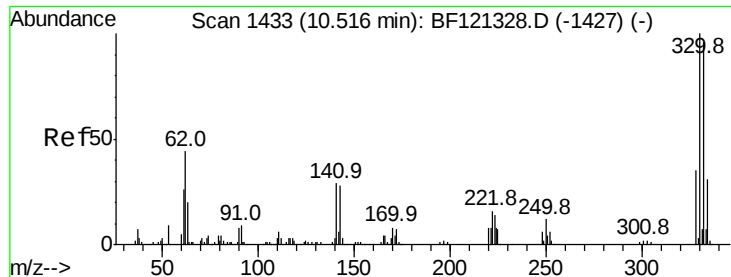
162 103.3 81.7 122.5

160 47.2 37.0 55.4



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

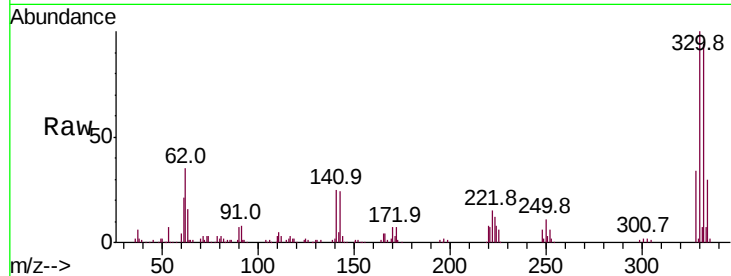




#42
 2,4,6-Tribromophenol
 Concen: 38.945 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121384.D
 Acq: 21 Aug 2020 23:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.9	115.3
141	30.6	22.8	34.2

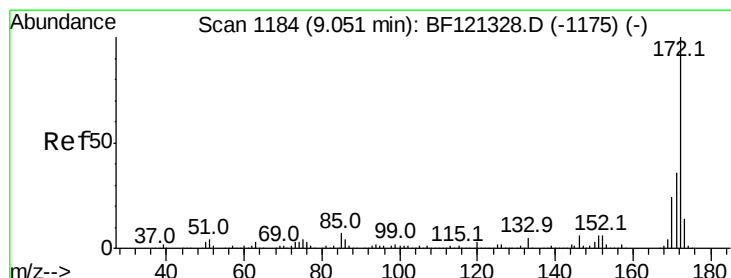
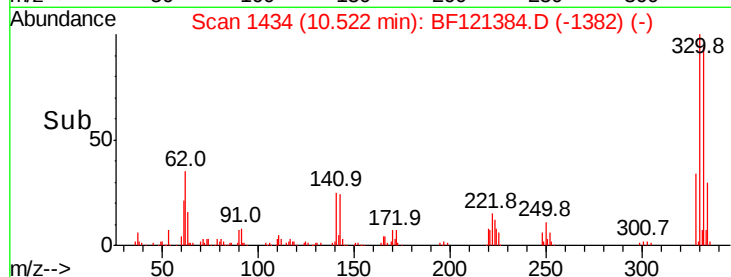
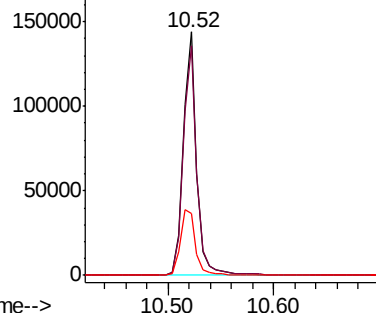


Abundance

Ion 329.80 (329.50 to 330.50): E

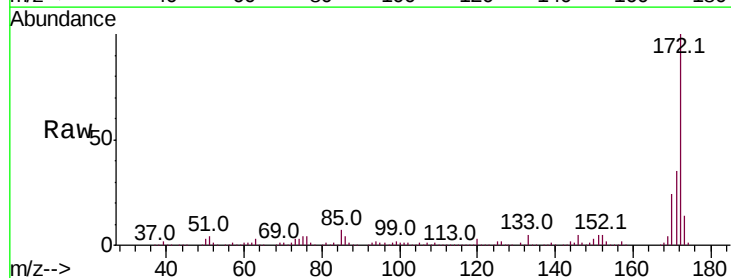
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 37.317 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121384.D
 Acq: 21 Aug 2020 23:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.6
170	23.9	19.4	29.2

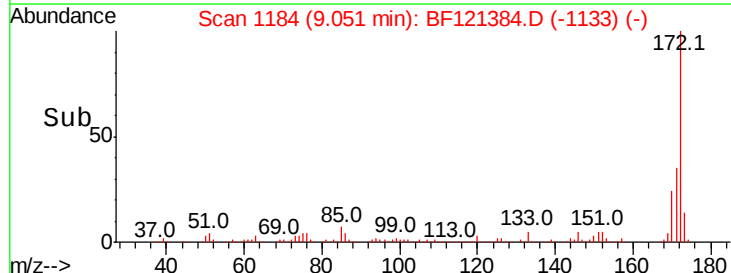
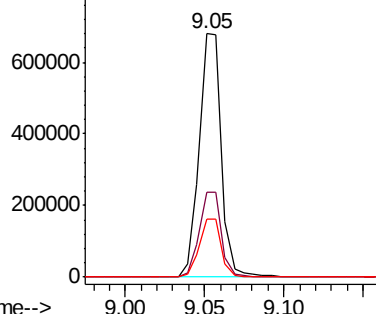


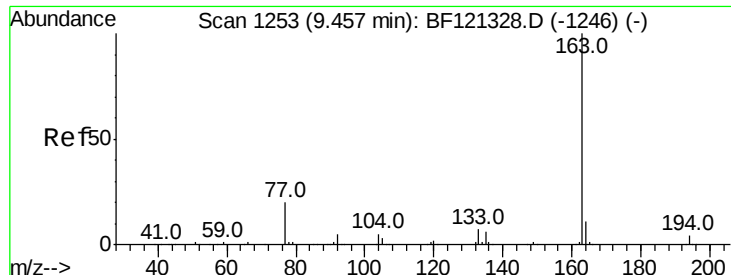
Abundance

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





#50

Dimethylphthalate

Concen: 4.478 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF121384.D

Acq: 21 Aug 2020 23:54

Instrument :
BNA_F
ClientSampleId :

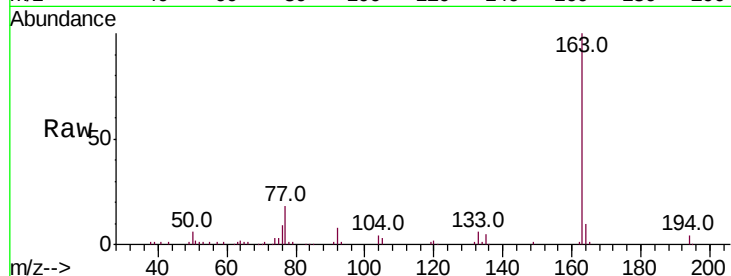
Tot Ion:163 Resp: 92556

Ion Ratio Lower Upper

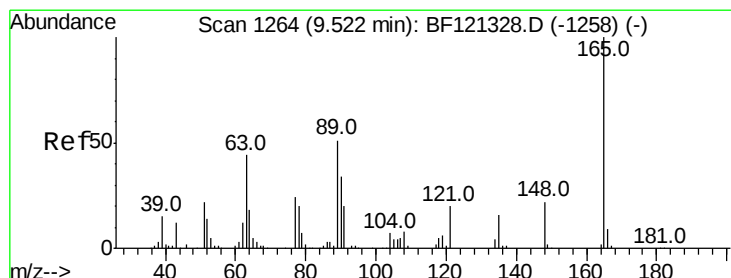
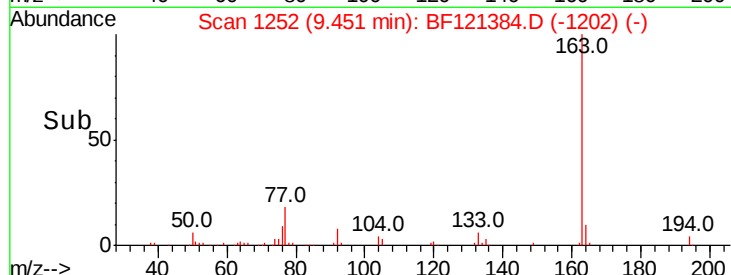
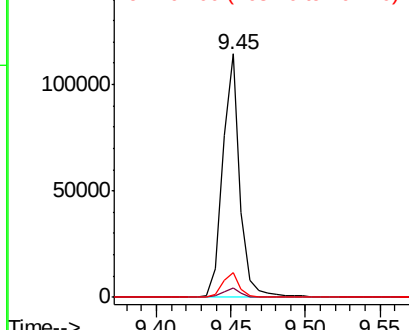
163 100

194 3.9 3.0 4.6

164 9.9 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.232 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.21 min

Lab File: BF121384.D

Acq: 21 Aug 2020 23:54

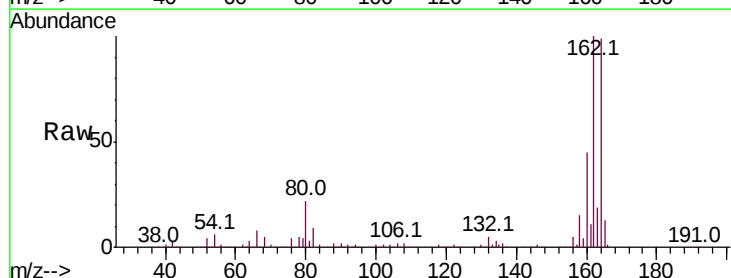
Tgt Ion:165 Resp: 36337

Ion Ratio Lower Upper

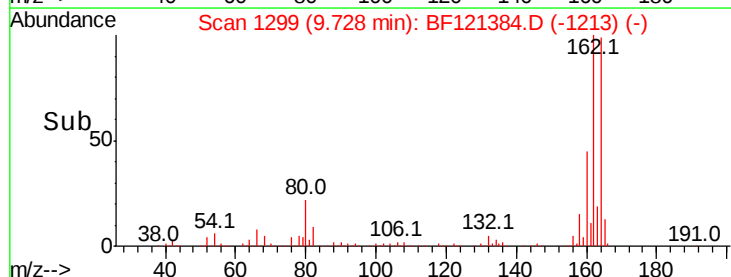
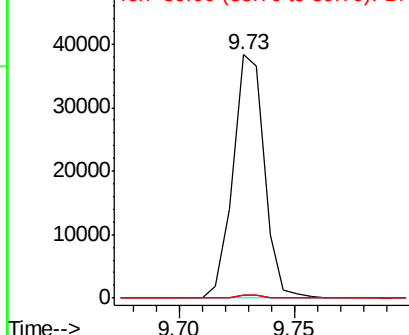
165 100

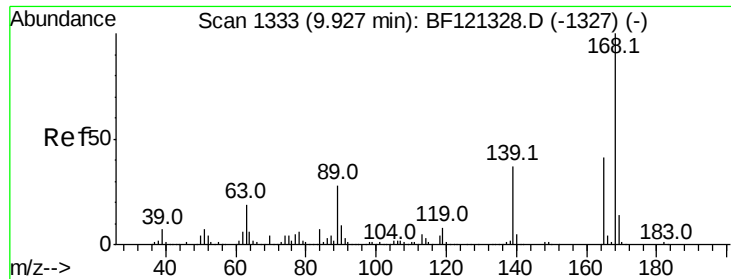
63 1.0 38.5 57.7#

89 1.3 41.2 61.8#



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

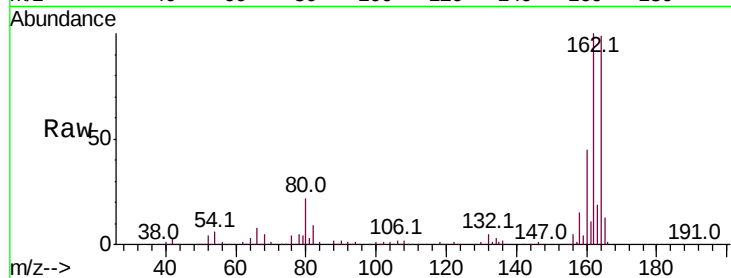




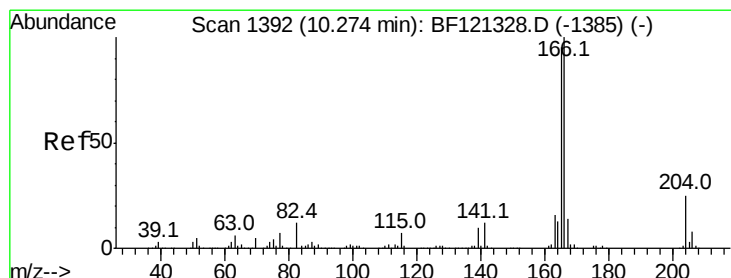
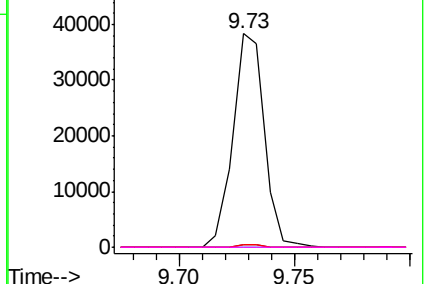
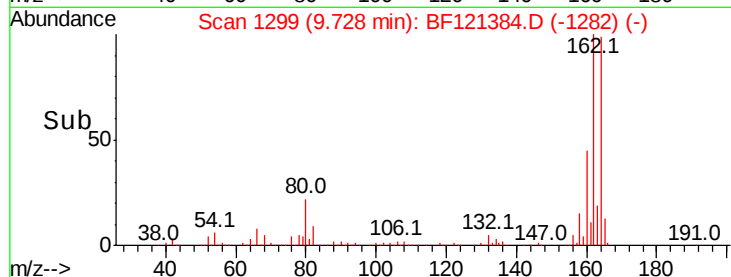
#57
 2,4-Dinitrotoluene
 Concen: 6.748 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.20 min
 Lab File: BF121384.D
 Acq: 21 Aug 2020 23:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	36337
Ion	Ratio	Lower	Upper
165	100		
63	1.0	37.5	56.3#
89	1.3	54.2	81.4#
182	0.0	2.2	3.4#

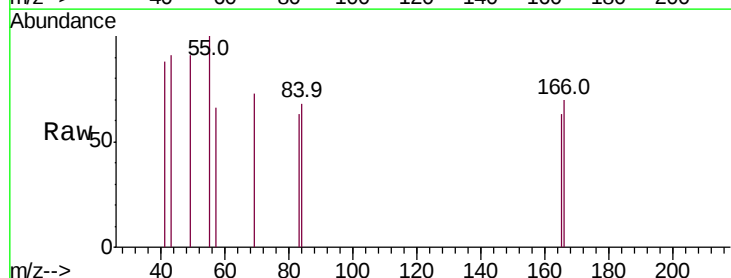


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

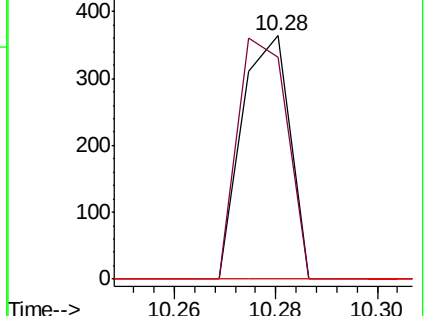
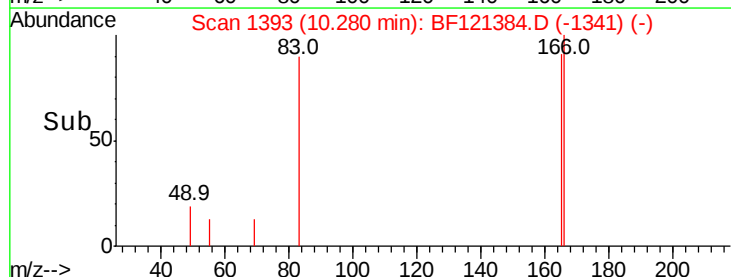


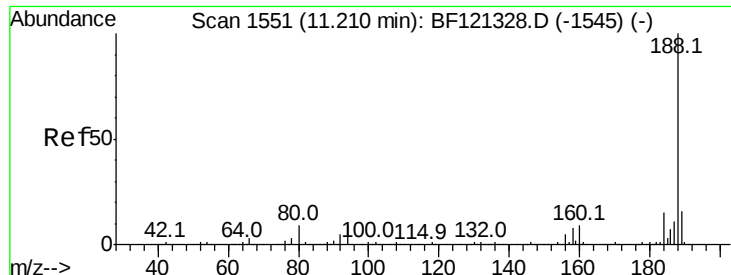
#58
 Fluorene
 Concen: Below Cal
 RT: 10.28 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: BF121384.D
 Acq: 21 Aug 2020 23:54

Tgt Ion:	166	Resp:	238
Ion	Ratio	Lower	Upper
166	100		
165	90.9	75.8	113.8
167	0.0	11.0	16.4#



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

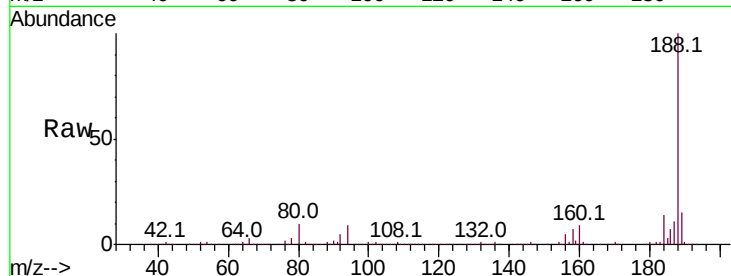




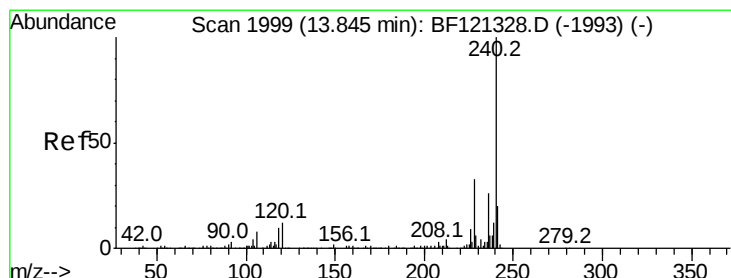
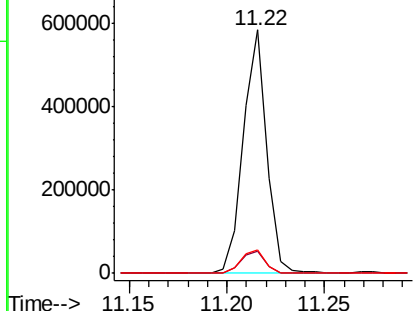
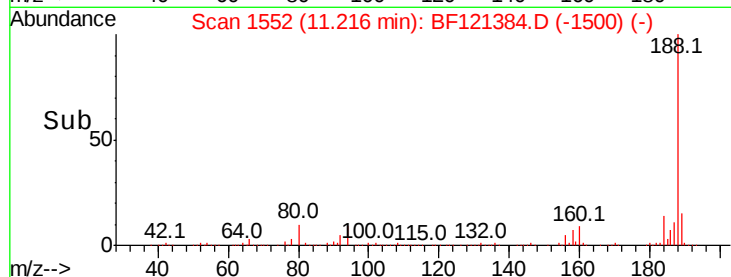
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.01 min
Lab File: BF121384.D
Acq: 21 Aug 2020 23:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	9.5	7.4	11.0

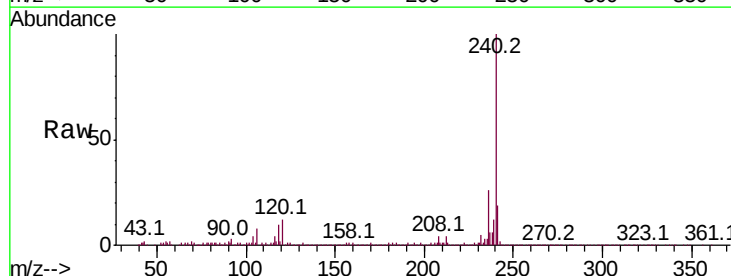


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

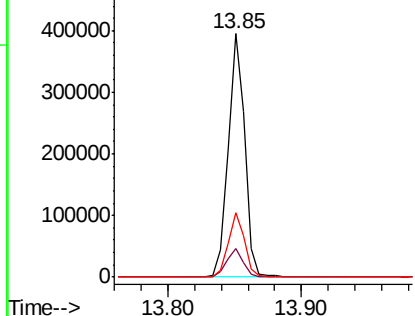
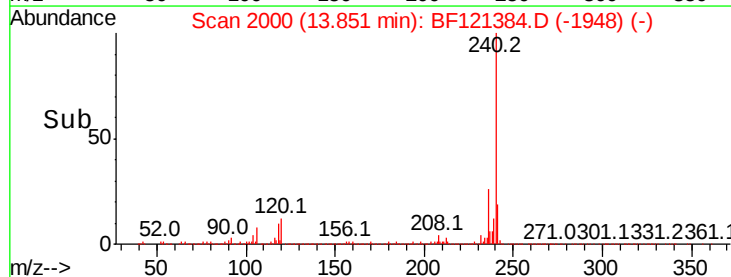


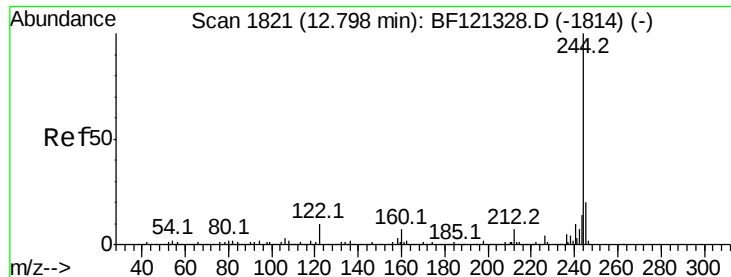
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF121384.D
Acq: 21 Aug 2020 23:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.6	14.4
236	26.3	20.6	31.0



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: 30.773 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF121384.D

Acq: 21 Aug 2020 23:54

Instrument :

BNA_F

ClientSampleId :

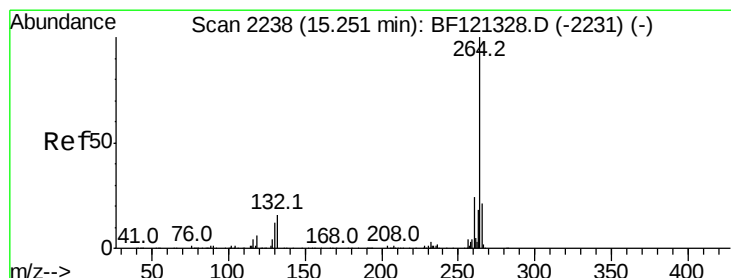
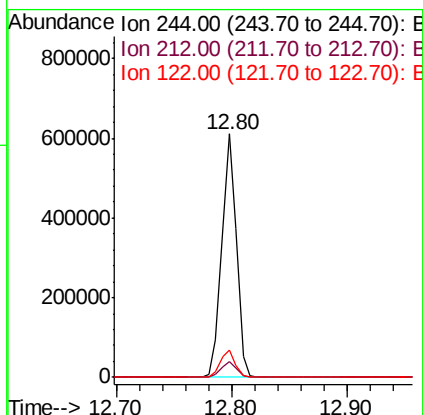
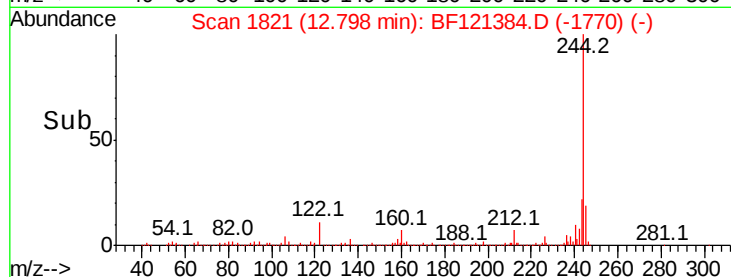
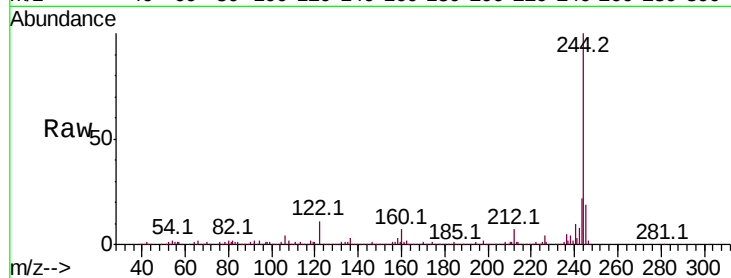
Tot Ion:244 Resp: 541199

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 11.3 7.8 11.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. 0.02 min

Lab File: BF121384.D

Acq: 21 Aug 2020 23:54

Tgt Ion:264 Resp: 365291

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 22.1 17.1 25.7

