

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090920\
 Data File : BF121543.D
 Acq On : 9 Sep 2020 12:07
 Operator : JU/CG
 Sample : PB131493BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB131493BL

Quant Time: Sep 09 12:41:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 17:52:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	342155	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1329986	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	720938	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	1451137	20.00	ng	0.00
76) Chrysene-d12	14.00	240	1298397	20.00	ng	-0.02
86) Perylene-d12	15.46	264	1285152	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	2162273	106.03	ng	0.01
7) Phenol-d6	6.47	99	2839371	99.63	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1884175	96.85	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	1033508	141.93	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	3419511	76.53	ng	-0.01
79) Terphenyl-d14	12.95	244	3979533	64.52	ng	0.00

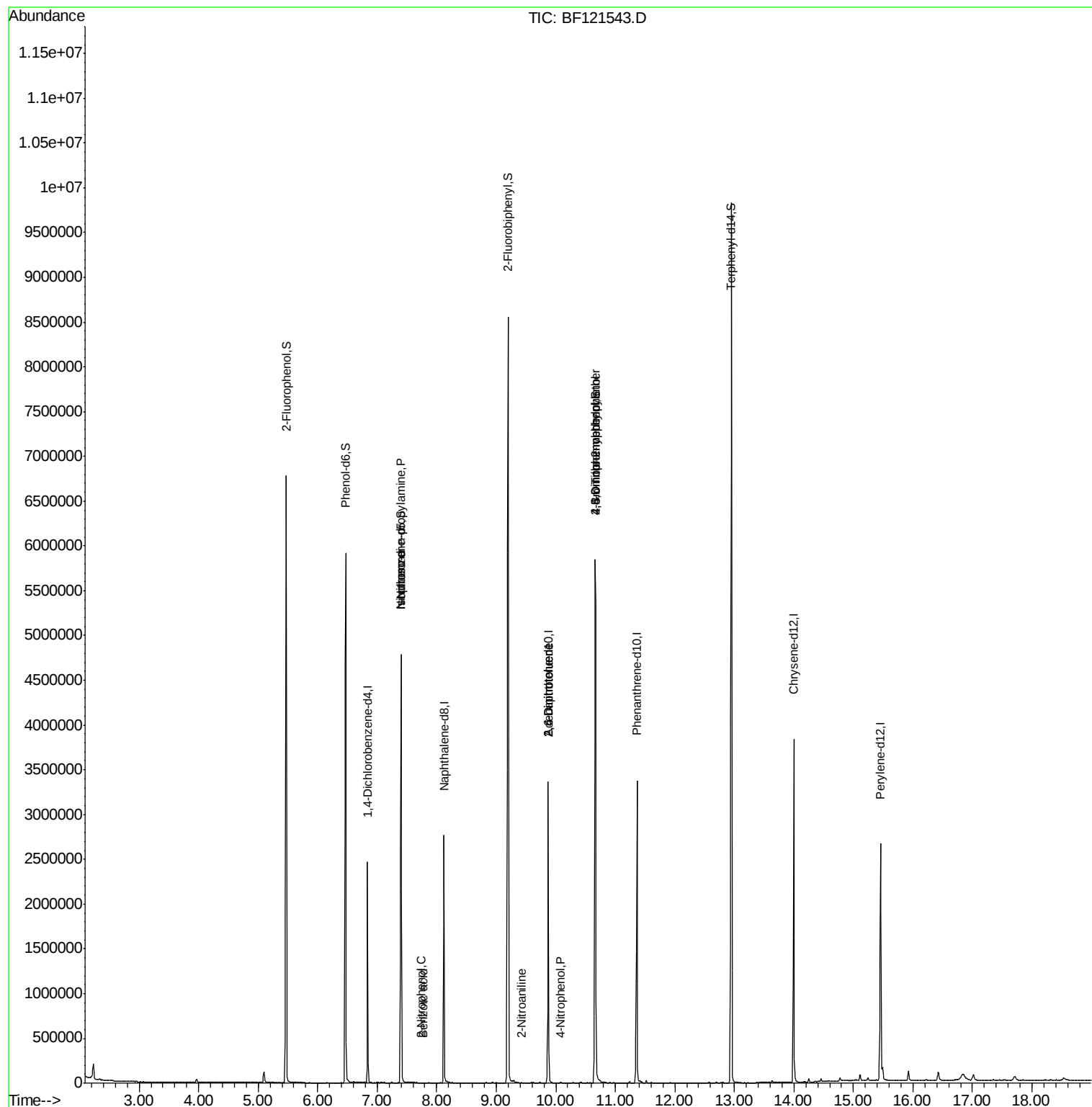
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	622	Below Cal	#	77
19) n-Nitroso-di-n-propylamine	7.40	70	247815	15.560	ng	# 77
25) Isophorone	7.40	82	1863075	42.578	ng	# 63
26) 2-Nitrophenol	7.74	139	134	4.768	ng	# 35
32) Benzoic acid	7.78	122	436	6.709	ng	# 1
48) 2-Nitroaniline	9.42	65	364	6.673	ng	# 64
51) 2,6-Dinitrotoluene	9.87	165	93874	15.181	ng	# 23
56) 4-Nitrophenol	10.08	139	914	7.943	ng	# 10
57) 2,4-Dinitrotoluene	9.87	165	93874	14.247	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.66	198	2092	6.260	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	59242	3.711	ng	# 1

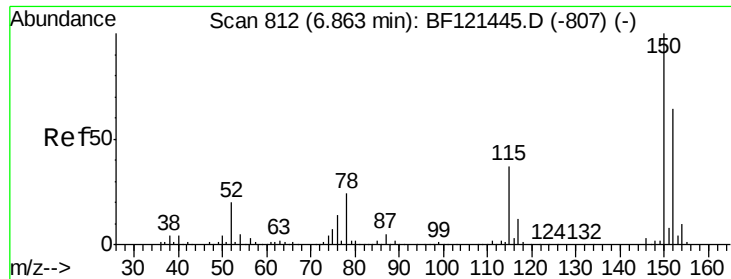
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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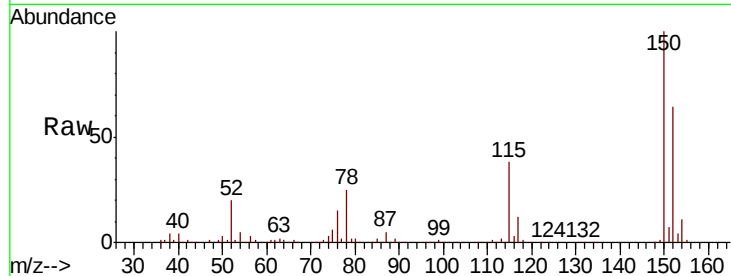


#1

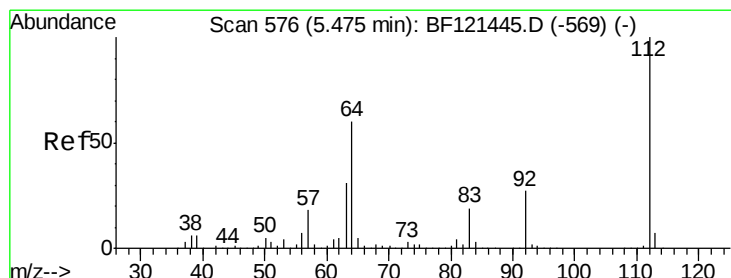
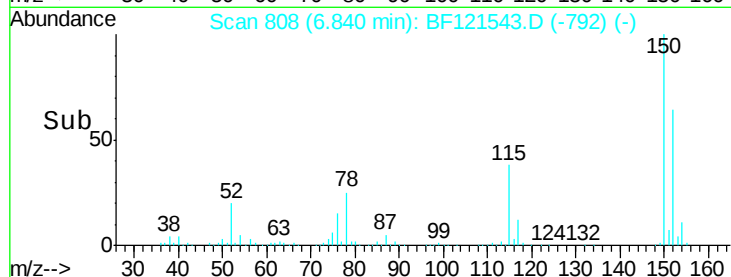
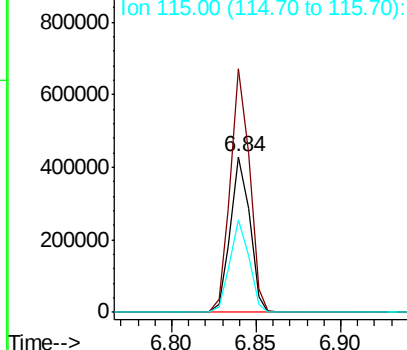
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF121543.D
Acq: 9 Sep 2020 12:07

Instrument :
BNA_F
ClientSampleId :
PB131493BL

Tot Ion:152 Resp: 342155
Ion Ratio Lower Upper
152 100
150 156.8 126.1 189.1
115 59.4 48.4 72.6



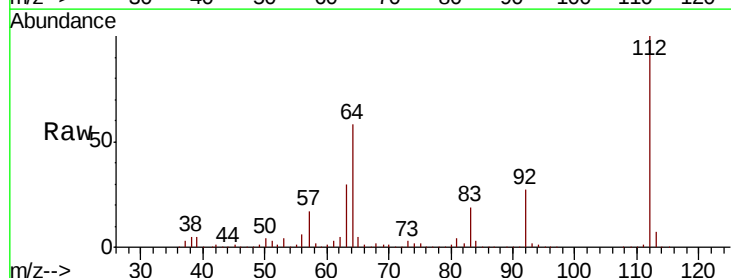
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



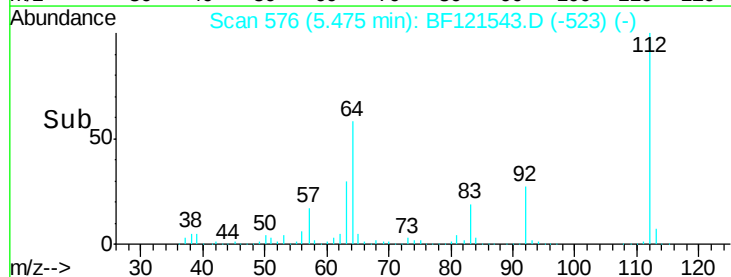
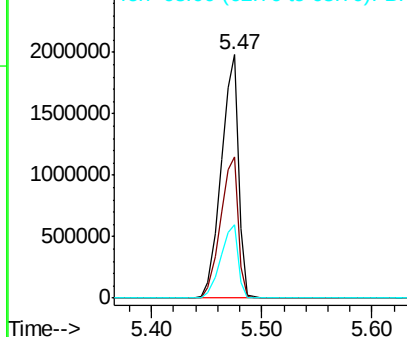
#5

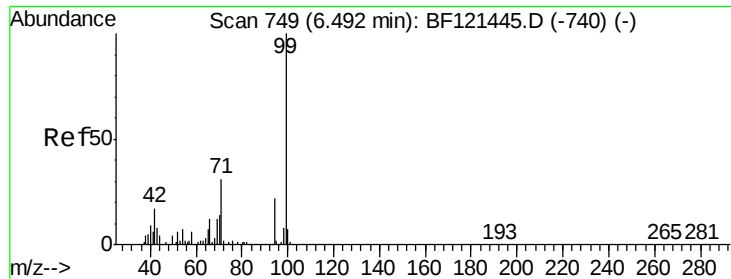
2-Fluorophenol
Concen: 106.026 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF121543.D
Acq: 9 Sep 2020 12:07

Tgt Ion:112 Resp: 2162273
Ion Ratio Lower Upper
112 100
64 57.8 46.0 69.0
63 29.9 23.4 35.2



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: 99.628 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF121543.D

Acq: 9 Sep 2020 12:07

Instrument :

BNA_F

ClientSampleId :

PB131493BL

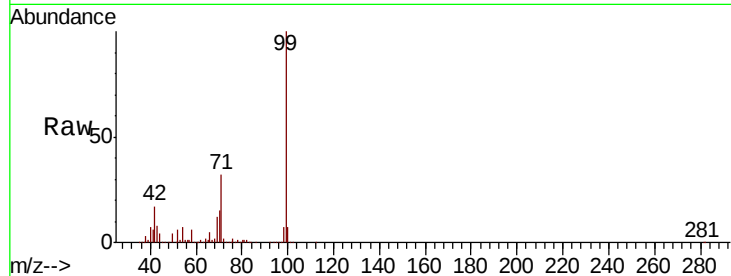
Tot Ion: 99 Resp: 2839371

Ion Ratio Lower Upper

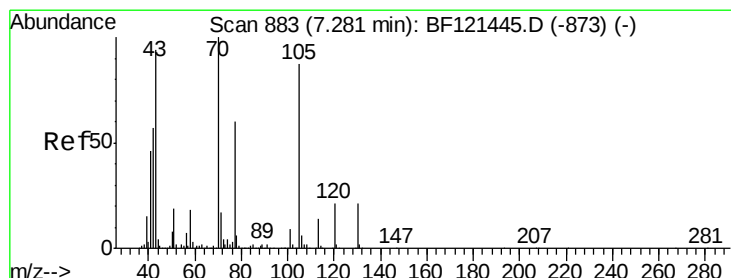
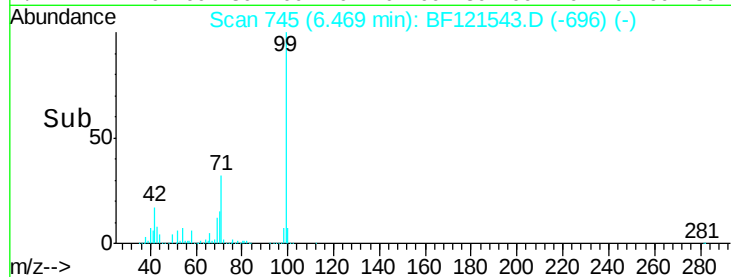
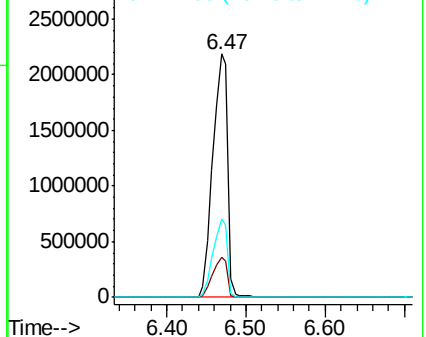
99 100

42 16.6 13.0 19.4

71 32.3 24.8 37.2



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: 15.560 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF121543.D

Acq: 9 Sep 2020 12:07

Tgt Ion: 70 Resp: 247815

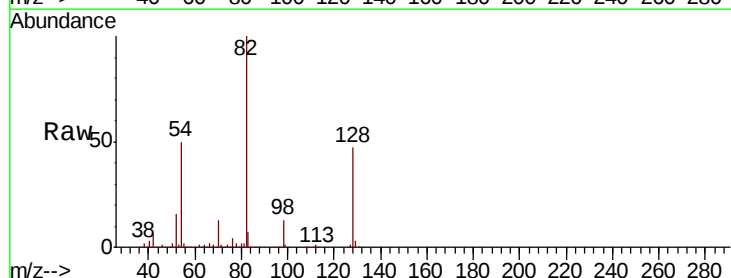
Ion Ratio Lower Upper

70 100

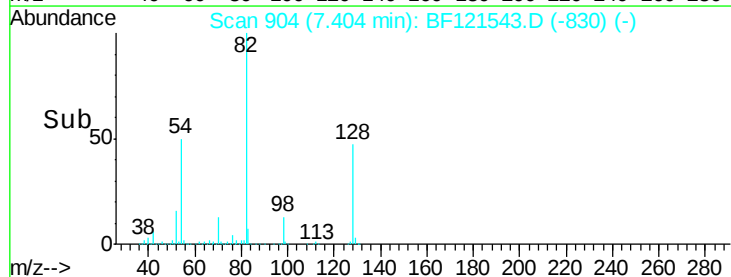
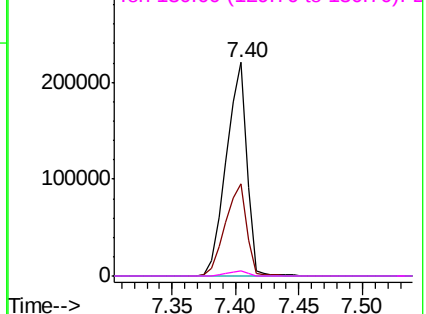
42 43.2 42.0 63.0

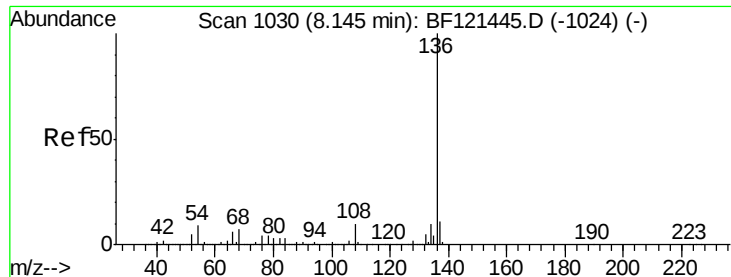
101 0.0 8.1 12.1#

130 2.3 18.3 27.5#



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

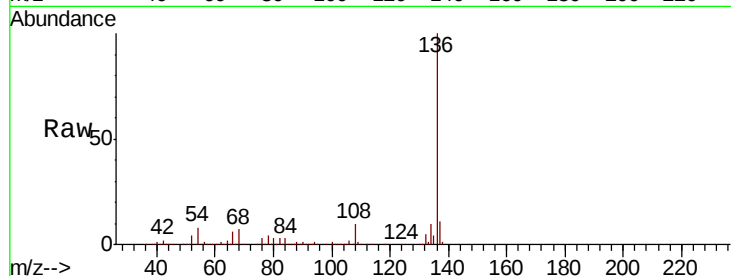




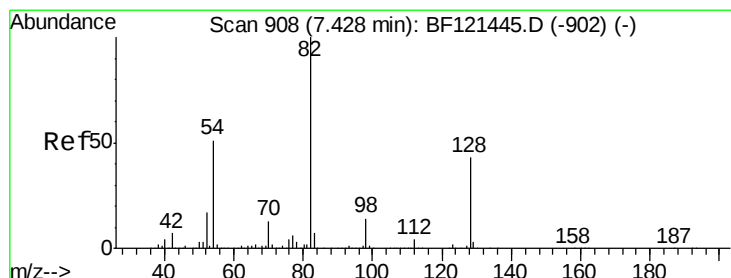
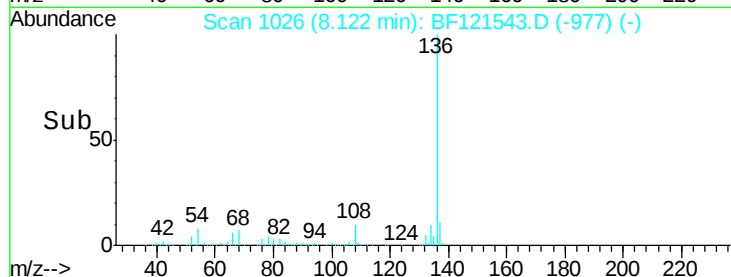
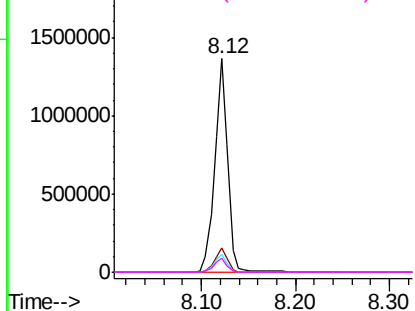
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF121543.D
Acq: 9 Sep 2020 12:07

Instrument :
BNA_F
ClientSampleId :
PB131493BL

Tot Ion:136 Resp: 1329986
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 8.4 6.2 9.4
68 6.9 5.1 7.7

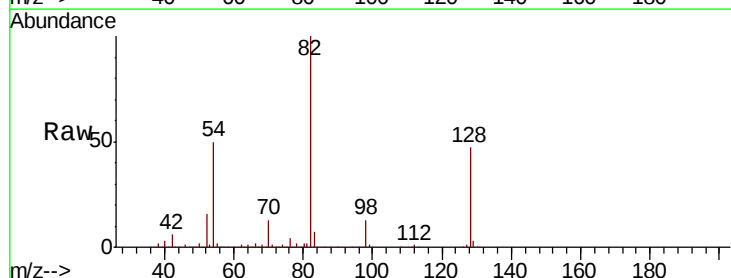


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

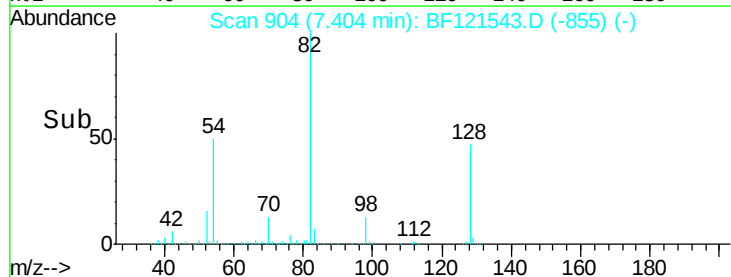
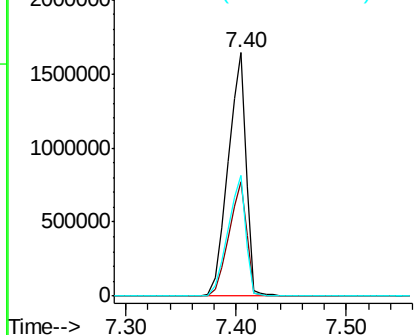


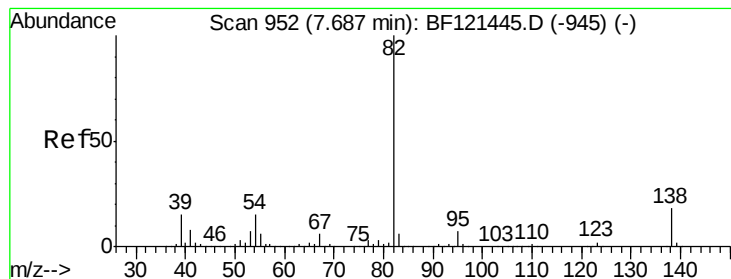
#23
Nitrobenzene-d5
Concen: 96.853 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF121543.D
Acq: 9 Sep 2020 12:07

Tgt Ion: 82 Resp: 1884175
Ion Ratio Lower Upper
82 100
128 46.9 37.3 55.9
54 49.5 39.0 58.6



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: 42.578 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF121543.D

Acq: 9 Sep 2020 12:07

Instrument :

BNA_F

ClientSampleId :

PB131493BL

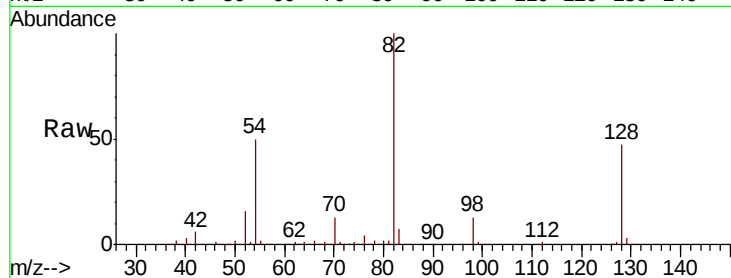
Tot Ion: 82 Resp: 1863075

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

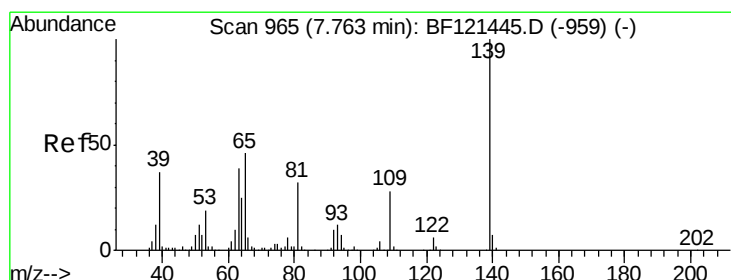
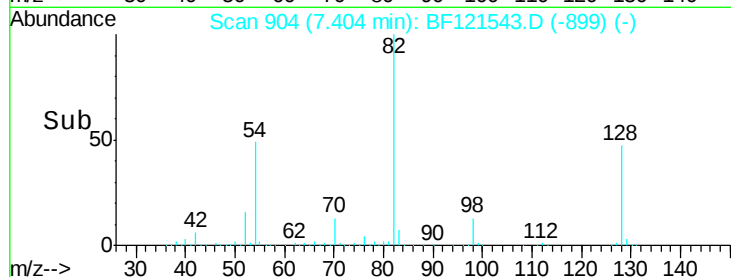
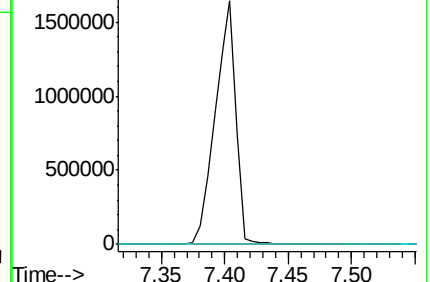
138 0.0 15.6 23.4#



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



#26

2-Nitrophenol

Concen: 4.768 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF121543.D

Acq: 9 Sep 2020 12:07

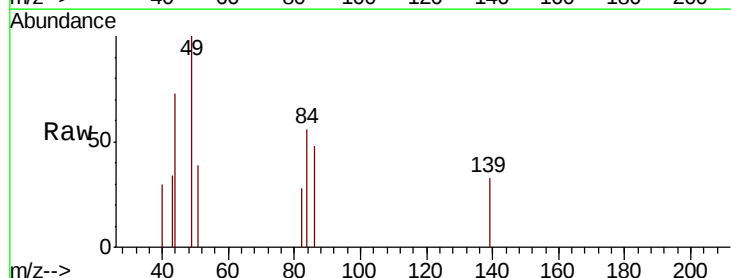
Tgt Ion: 139 Resp: 134

Ion Ratio Lower Upper

139 100

109 0.0 22.0 33.0#

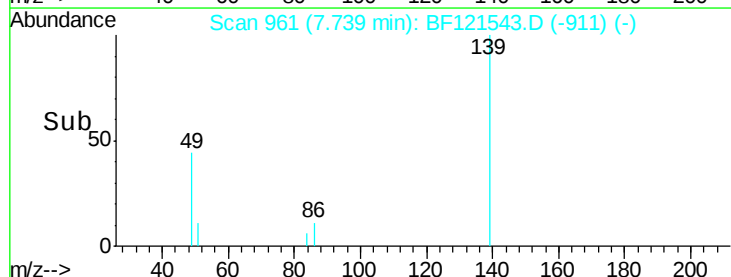
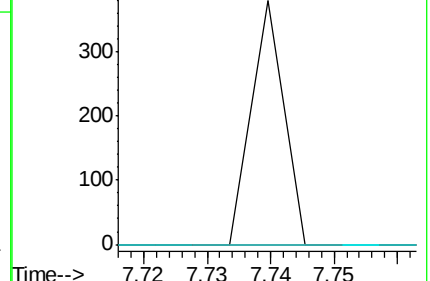
65 0.0 39.3 58.9#

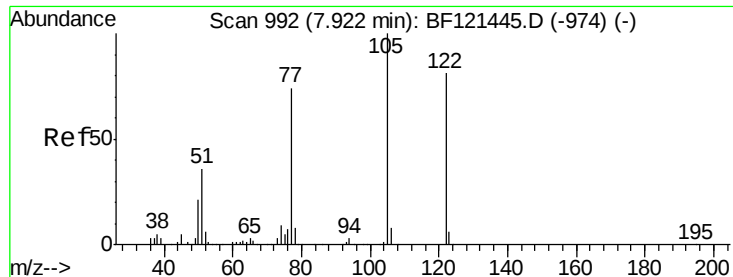


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

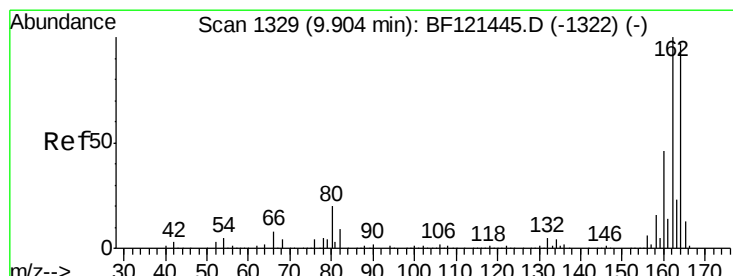
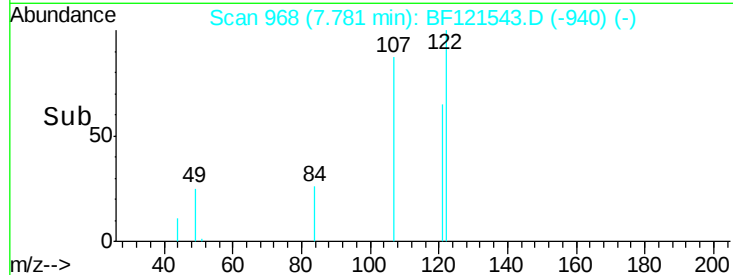
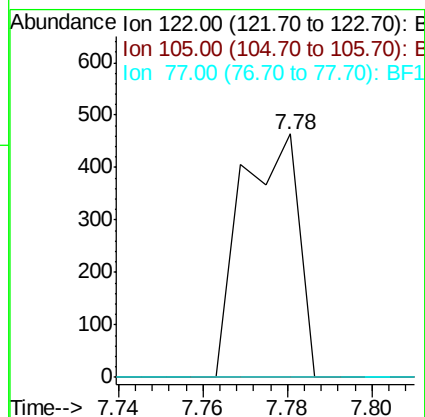
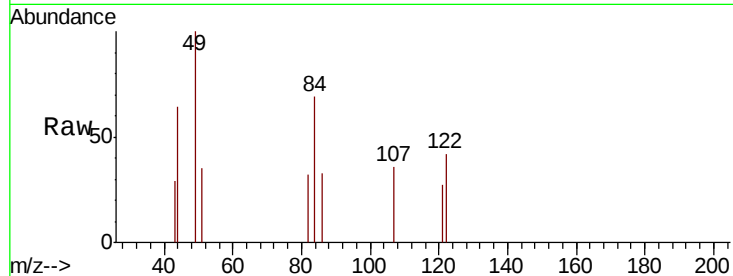




#32
Benzoic acid
Concen: 6.709 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.14 min
Lab File: BF121543.D
Acq: 9 Sep 2020 12:07

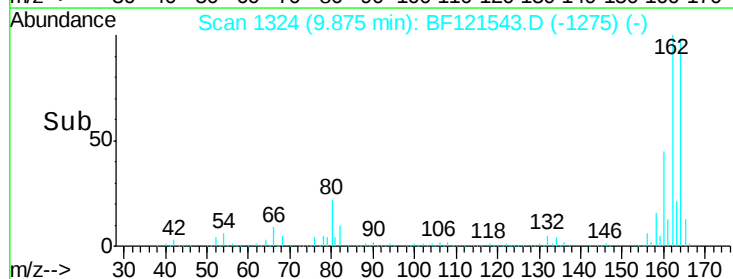
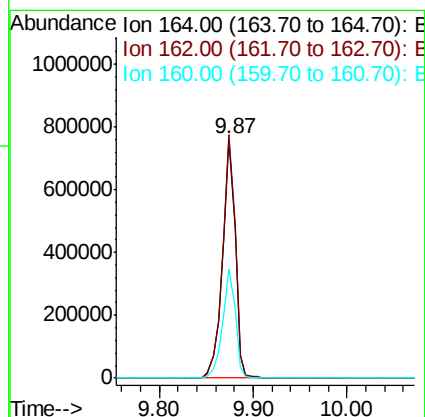
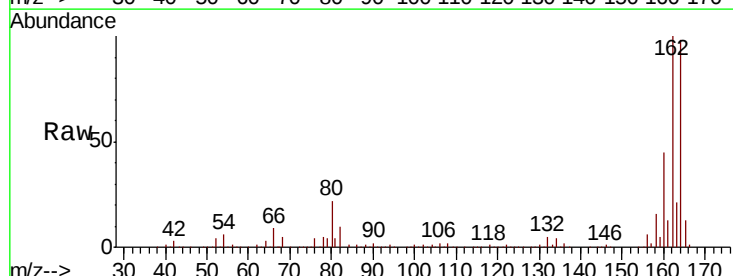
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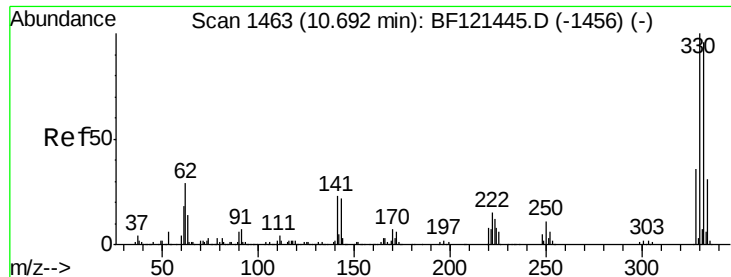
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	102.2	142.2#
77	0.0	69.8	109.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF121543.D
Acq: 9 Sep 2020 12:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.5	120.7
160	45.9	36.2	54.4

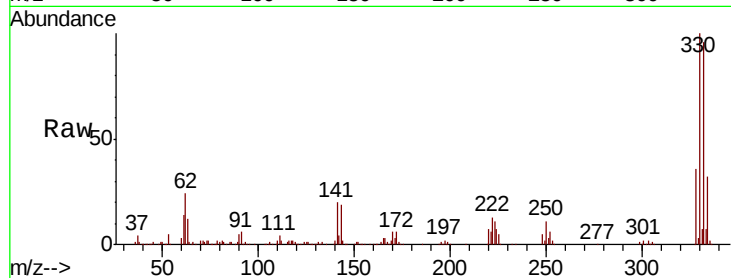




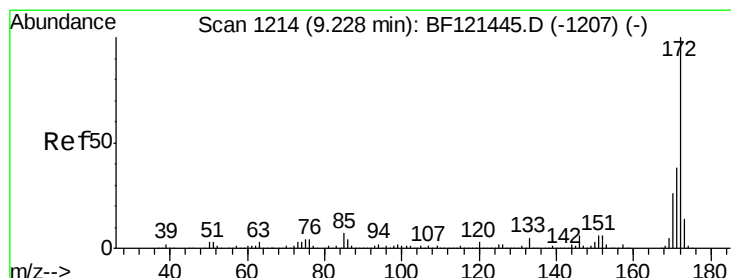
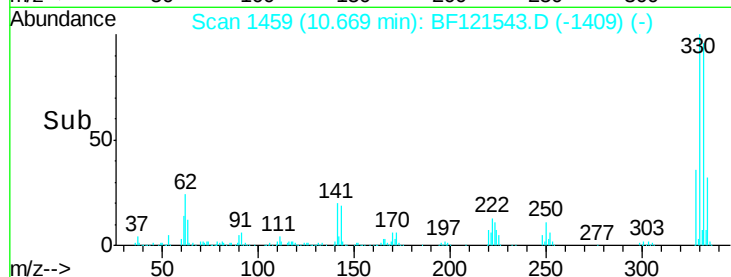
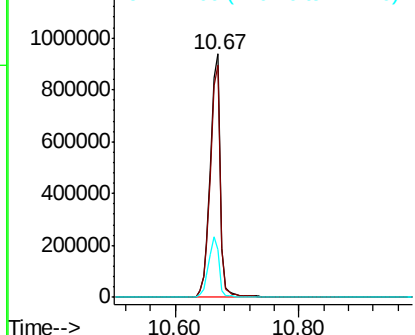
#42
 2,4,6-Tribromophenol
 Concen: 141.929 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF121543.D
 Acq: 9 Sep 2020 12:07

Instrument :
 BNA_F
 ClientSampleId :
 PB131493BL

Tot Ion:330 Resp: 1033508
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.2 114.2
 141 26.6 22.6 34.0

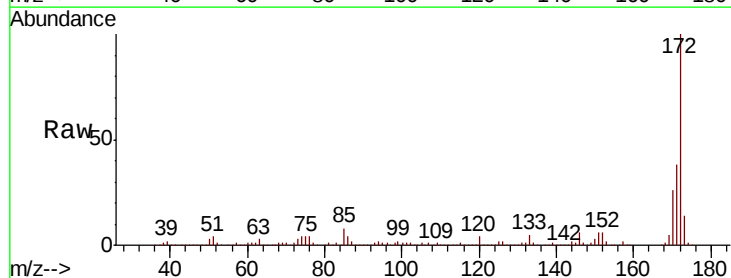


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

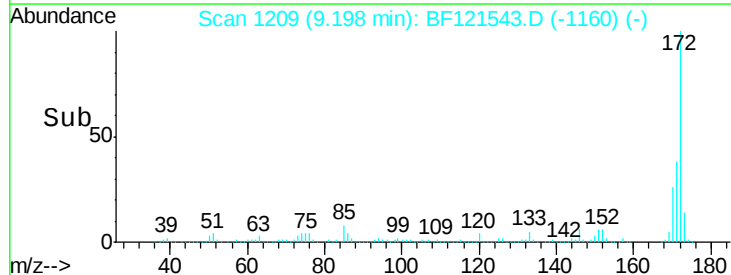
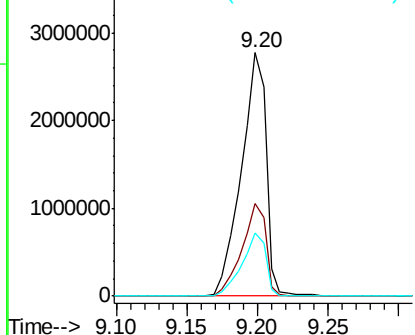


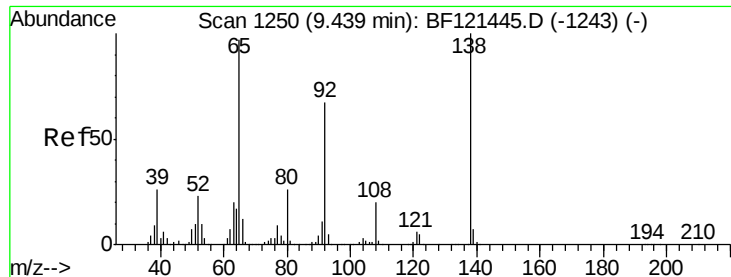
#45
 2-Fluorobiphenyl
 Concen: 76.532 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF121543.D
 Acq: 9 Sep 2020 12:07

Tgt Ion:172 Resp: 3419511
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.4 45.6
 170 25.9 20.7 31.1



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

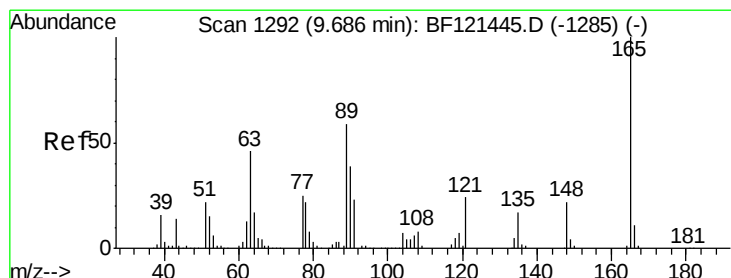
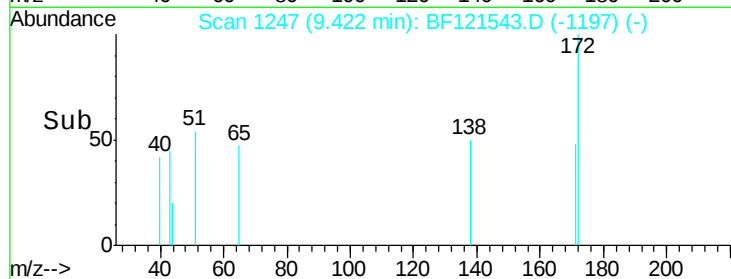
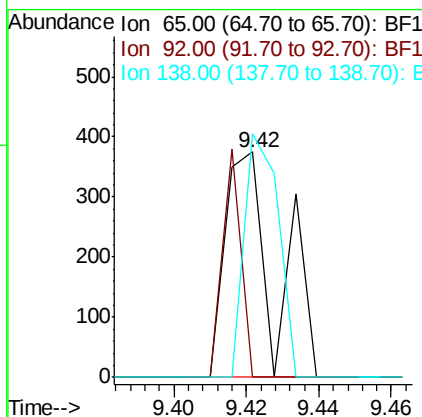
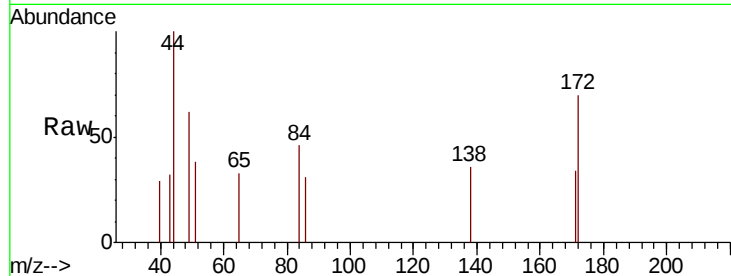




#48
2-Nitroaniline
Concen: 6.673 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BF121543.D
Acq: 9 Sep 2020 12:07

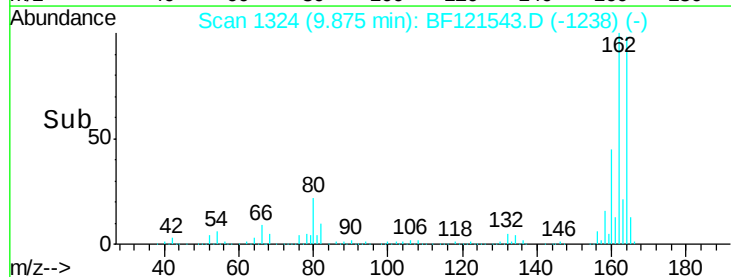
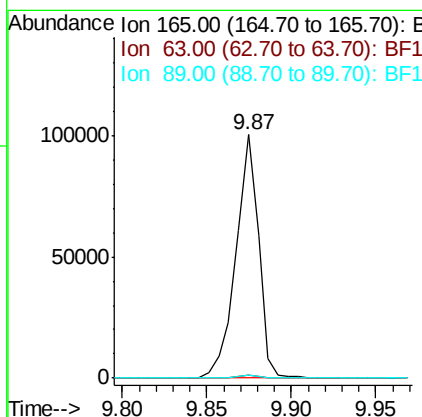
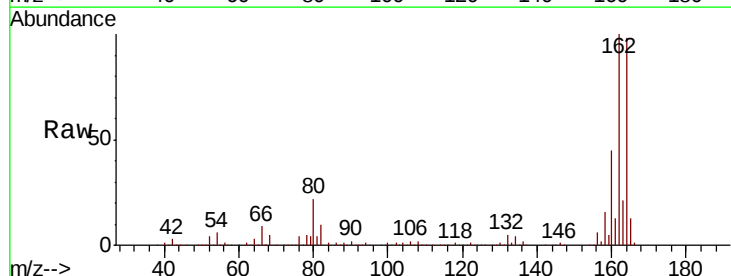
Instrument :
BNA_F
ClientSampleId :
PB131493BL

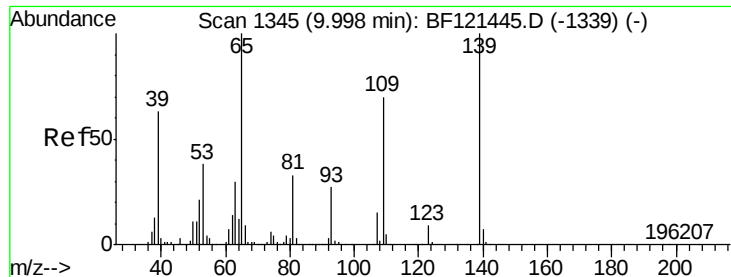
Tot Ion: 65 Resp: 364
Ion Ratio Lower Upper
65 100
92 0.0 58.6 87.8#
138 108.0 88.6 133.0



#51
2,6-Dinitrotoluene
Concen: 15.181 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.21 min
Lab File: BF121543.D
Acq: 9 Sep 2020 12:07

Tgt Ion:165 Resp: 93874
Ion Ratio Lower Upper
165 100
63 1.1 47.4 71.0#
89 1.5 47.9 71.9#





#56

4-Nitrophenol

Concen: 7.943 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.09 min

Lab File: BF121543.D

Acq: 9 Sep 2020 12:07

Instrument :

BNA_F

ClientSampleId :

PB131493BL

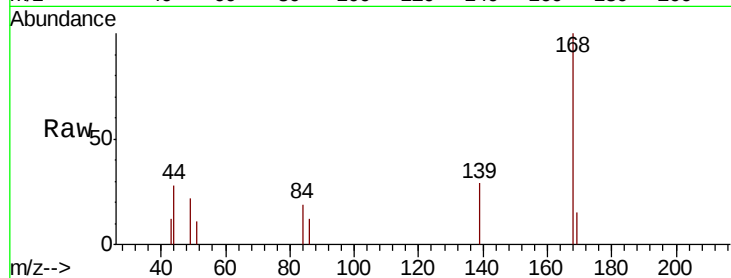
Tot Ion:139 Resp: 914

Ion Ratio Lower Upper

139 100

109 0.0 44.3 84.3#

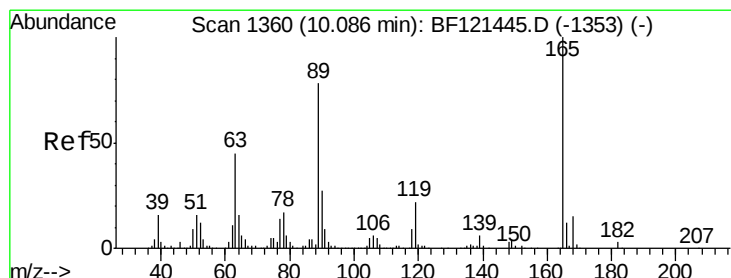
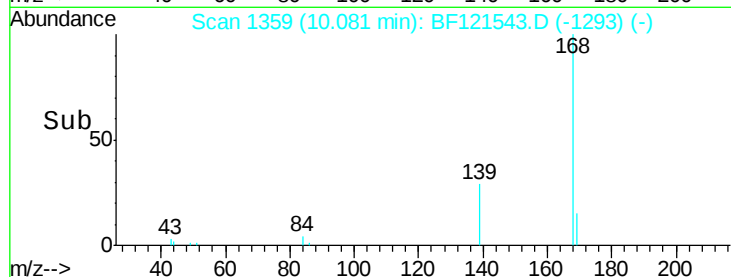
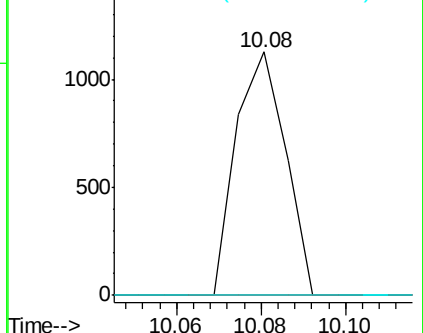
65 0.0 70.2 110.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 14.247 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.20 min

Lab File: BF121543.D

Acq: 9 Sep 2020 12:07

Tgt Ion:165 Resp: 93874

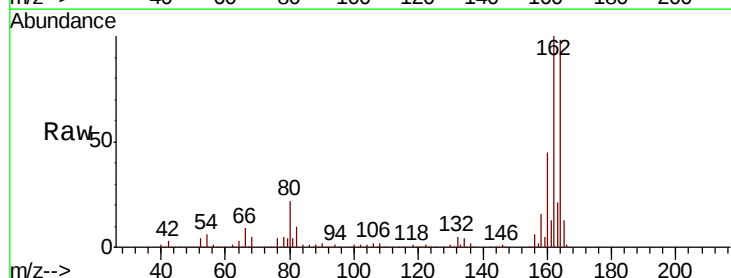
Ion Ratio Lower Upper

165 100

63 1.1 33.6 50.4#

89 1.5 56.4 84.6#

182 0.0 2.2 3.4#

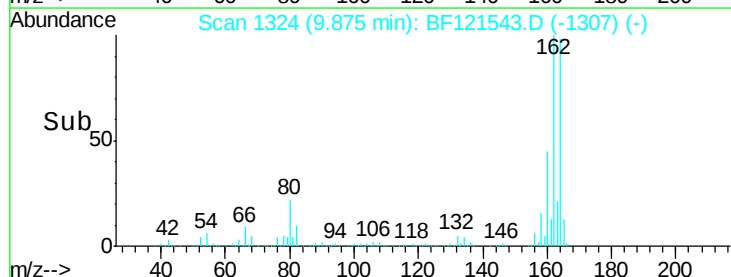
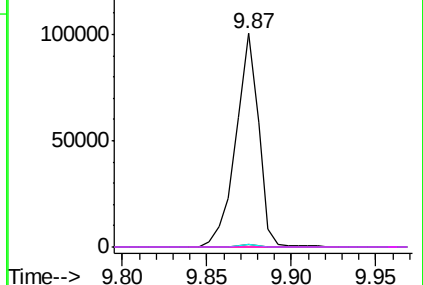


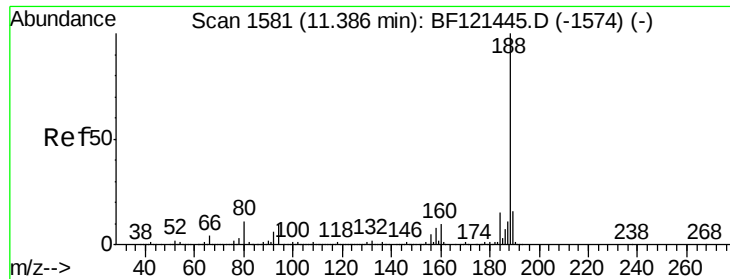
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1577

Delta R.T. -0.01 min

Lab File: BF121543.D

Acq: 9 Sep 2020 12:07

Instrument :

BNA_F

ClientSampleId :

PB131493BL

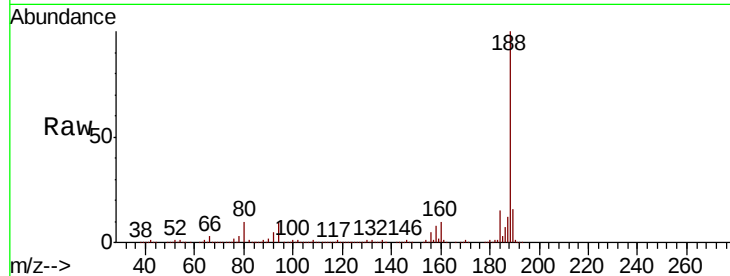
Tot Ion:188 Resp: 1451137

Ion Ratio Lower Upper

188 100

94 9.7 8.8 13.2

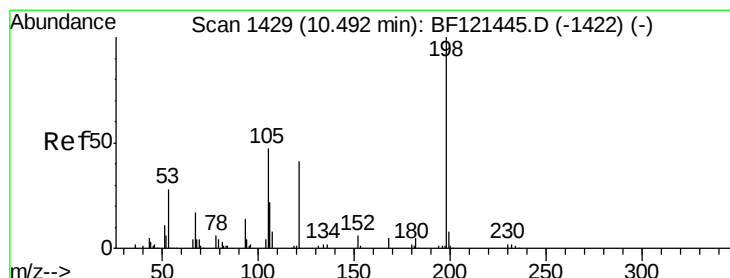
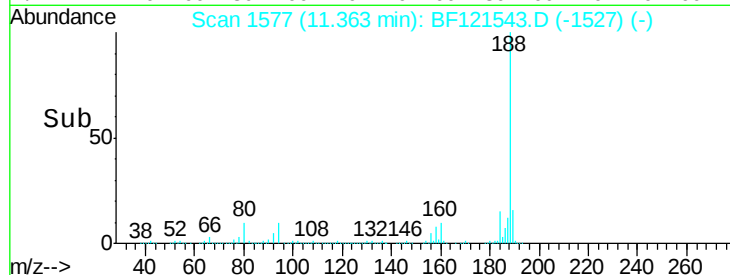
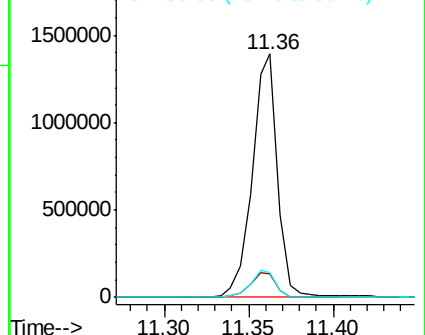
80 10.3 9.1 13.7



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.260 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.18 min

Lab File: BF121543.D

Acq: 9 Sep 2020 12:07

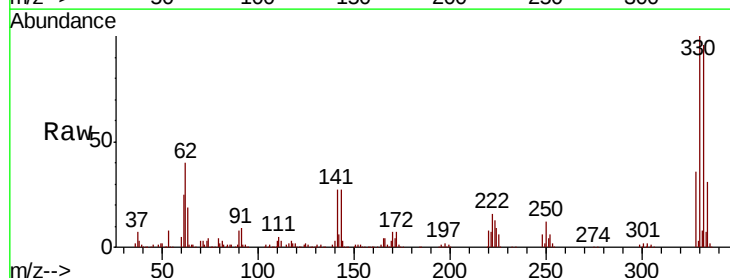
Tgt Ion:198 Resp: 2092

Ion Ratio Lower Upper

198 100

51 141.6 24.9 64.9#

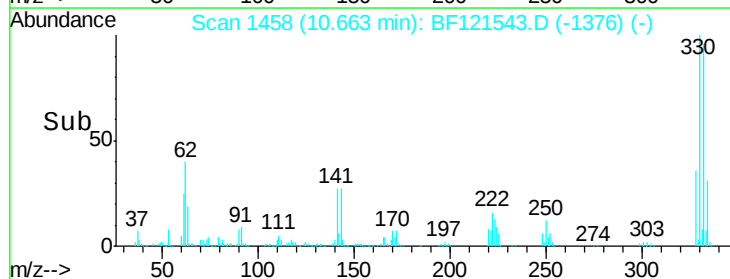
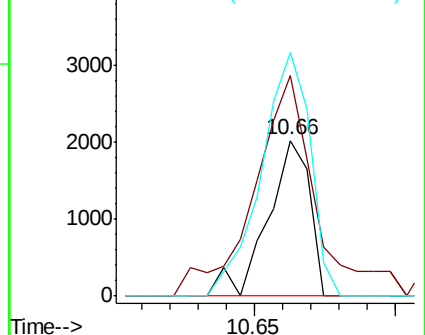
105 156.5 25.8 65.8#

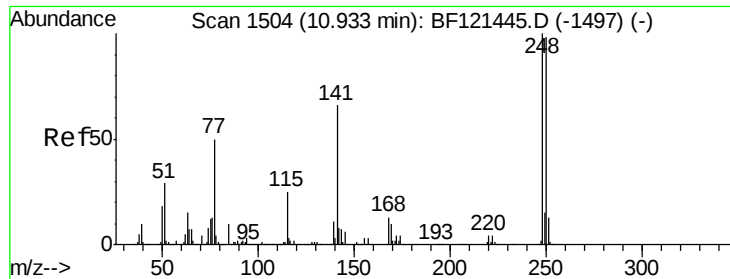


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

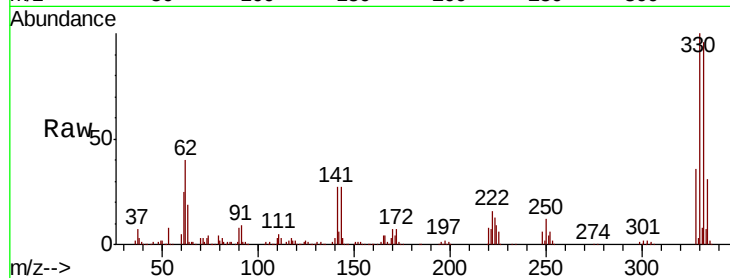




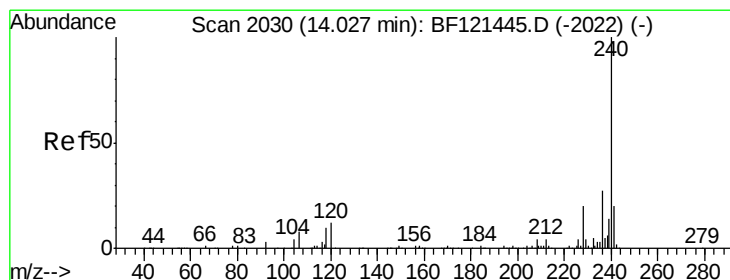
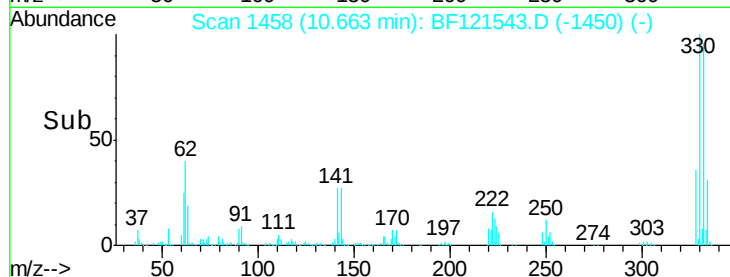
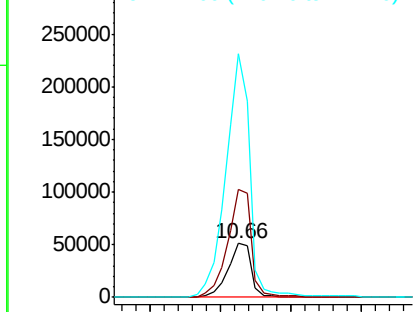
#67
4-Bromophenyl-phenylether
Concen: 3.711 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF121543.D
Acq: 9 Sep 2020 12:07

Instrument :
BNA_F
ClientSampleId :
PB131493BL

Tot Ion:248 Resp: 59242
Ion Ratio Lower Upper
248 100
250 198.6 77.8 116.6#
141 450.1 56.4 84.6#

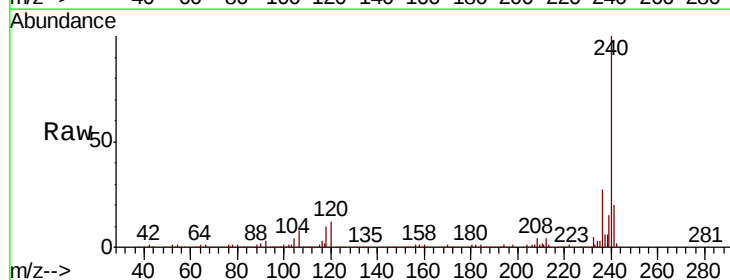


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

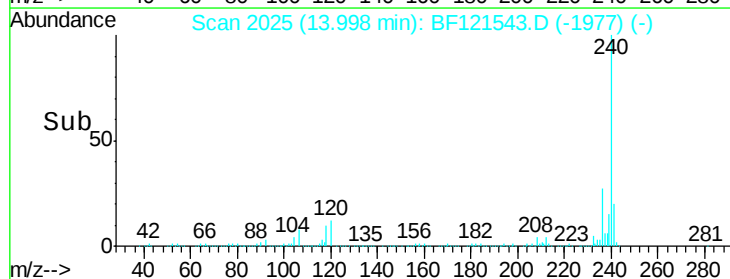
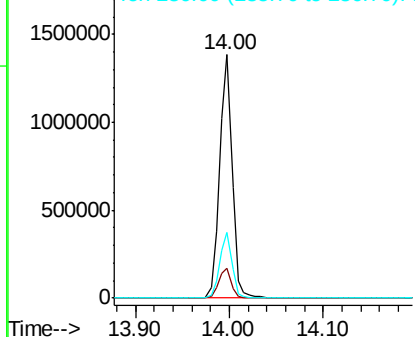


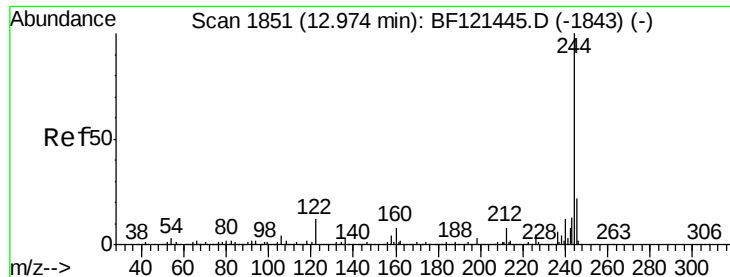
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF121543.D
Acq: 9 Sep 2020 12:07

Tgt Ion:240 Resp: 1298397
Ion Ratio Lower Upper
240 100
120 12.0 8.0 12.0#
236 26.9 21.4 32.2



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: 64.516 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF121543.D

Acq: 9 Sep 2020 12:07

Instrument :

BNA_F

ClientSampleId :

PB131493BL

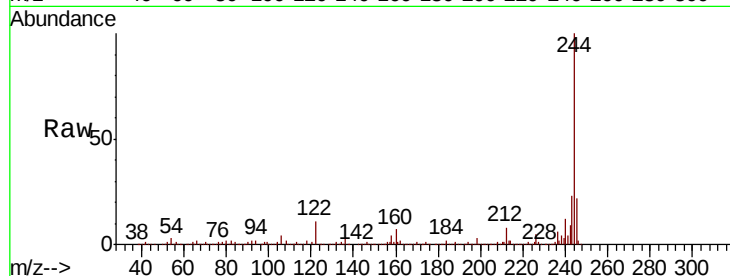
Tot Ion:244 Resp: 3979533

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

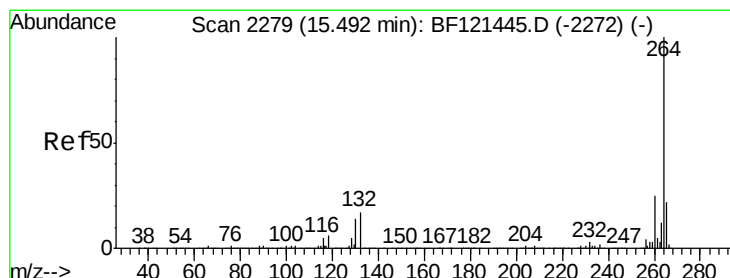
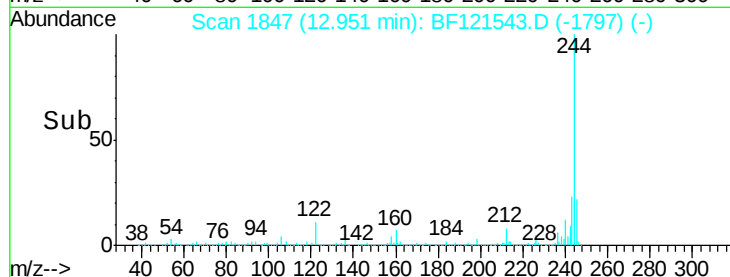
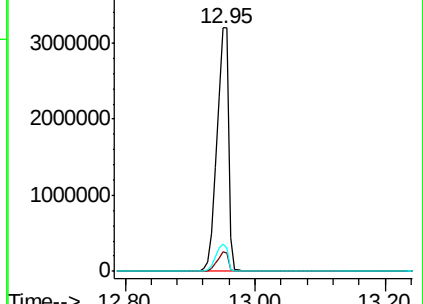
122 11.2 9.3 13.9



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: 15.46 min Scan# 2273

Delta R.T. -0.02 min

Lab File: BF121543.D

Acq: 9 Sep 2020 12:07

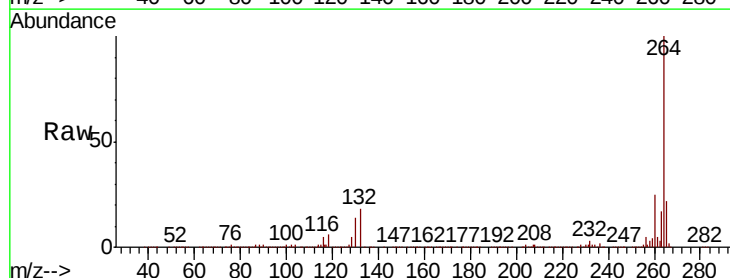
Tgt Ion:264 Resp: 1285152

Ion Ratio Lower Upper

264 100

260 24.7 19.7 29.5

265 21.6 17.4 26.2



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

