

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090820\
 Data File : BF121535.D
 Acq On : 8 Sep 2020 22:03
 Operator : JU/CG
 Sample : L3915-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-PM-B2-0-3.5-C

Quant Time: Sep 09 02:38:48 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	304337	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1142315	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	597078	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	1136551	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	931772	20.00	ng	-0.02
86) Perylene-d12	15.45	264	786383	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1874229	103.32	ng	0.00
7) Phenol-d6	6.47	99	2139558	84.40	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1695418	101.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	865843	143.57	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	2952996	79.80	ng	-0.01
79) Terphenyl-d14	12.95	244	3265786	73.78	ng	0.00

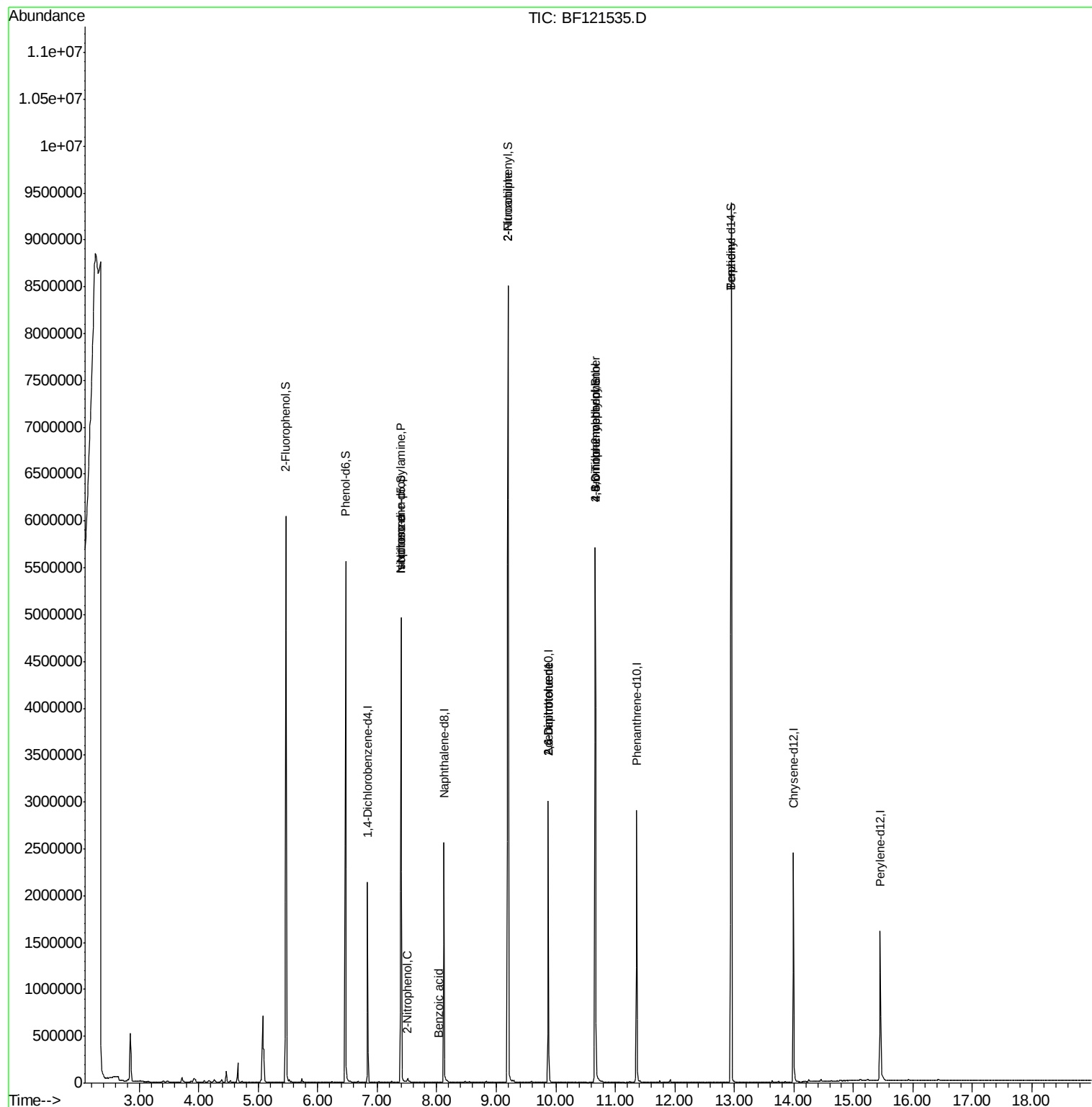
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	454	Below Cal		# 78
19) n-Nitroso-di-n-propylamine	7.40	70	225510	15.919	ng	# 78
25) Isophorone	7.40	82	1686243	44.868	ng	# 63
26) 2-Nitrophenol	7.51	139	423	4.827	ng	# 35
32) Benzoic acid	8.03	122	225	6.689	ng	# 93
48) 2-Nitroaniline	9.20	65	4815	7.047	ng	# 1
51) 2,6-Dinitrotoluene	9.87	165	77952	15.204	ng	# 22
57) 2,4-Dinitrotoluene	9.87	165	77952	14.265	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.66	198	1649	6.266	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	48587	3.886	ng	# 1
77) Benzidine	12.95	184	46597	2.293	ng	# 94

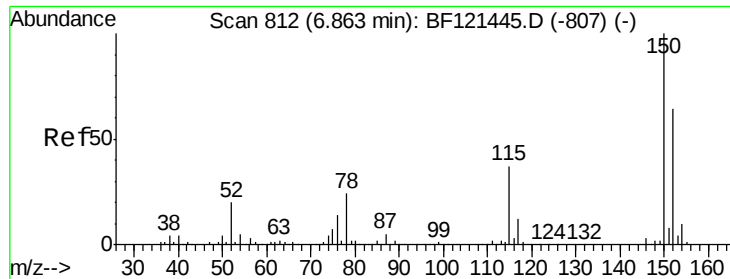
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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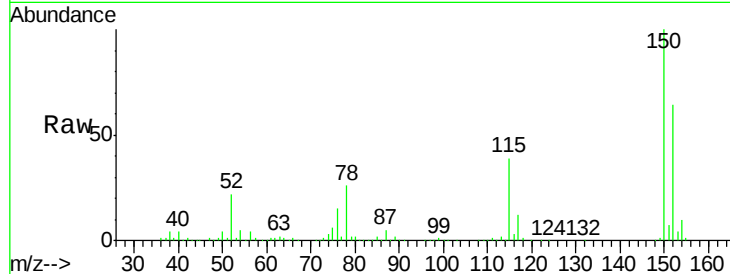


#1

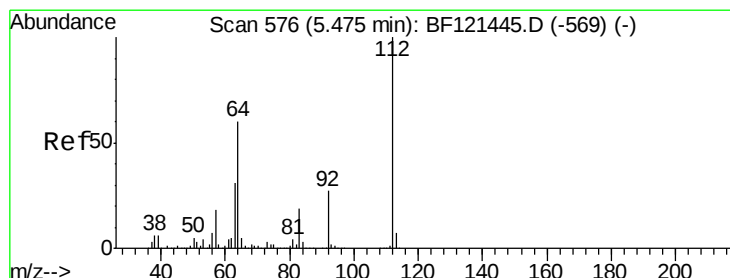
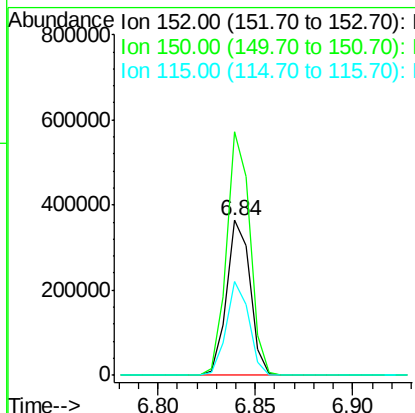
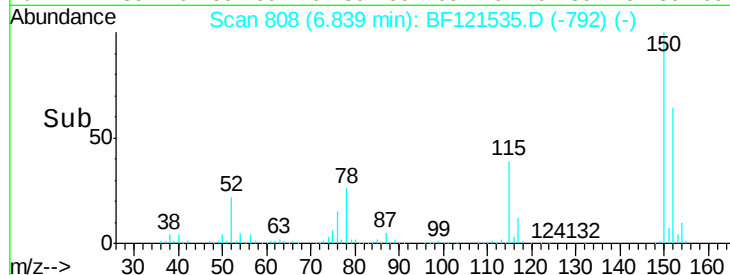
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF121535.D
Acq: 8 Sep 2020 22:03

Instrument :
BNA_F
ClientSampleId :
WC-PM-B2-0-3.5-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.1	189.1
115	61.0	48.4	72.6



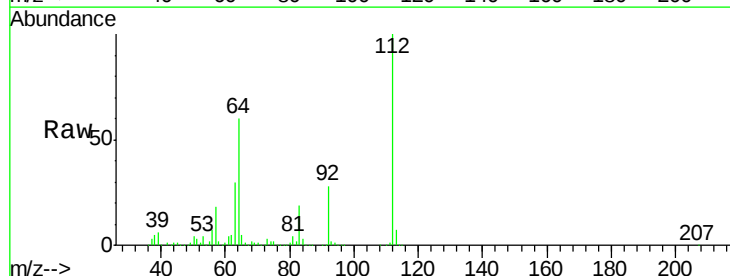
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



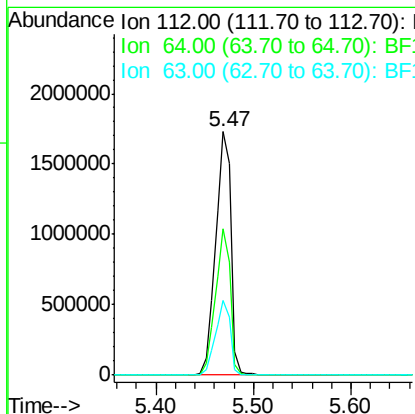
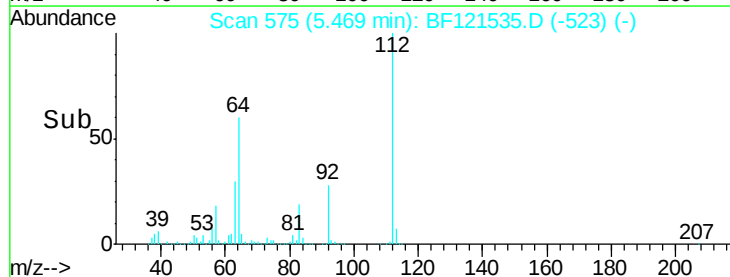
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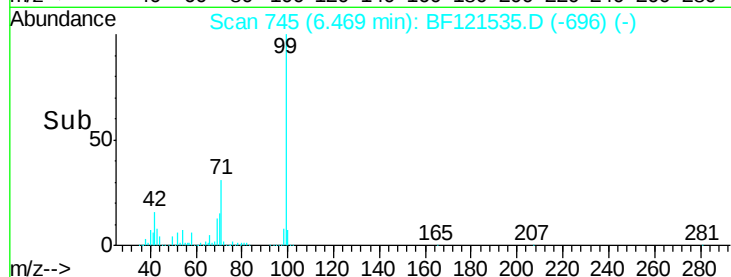
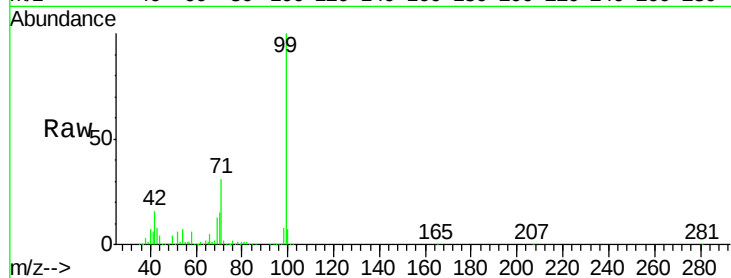
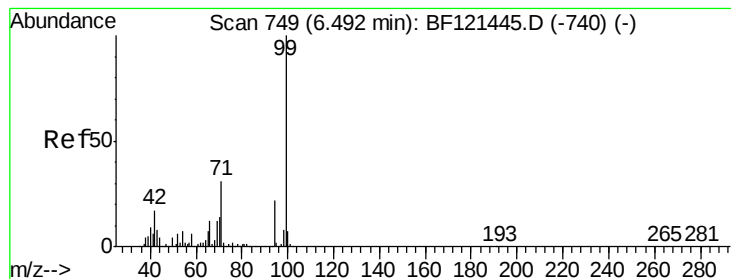
2-Fluorophenol
Concen: 103.322 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF121535.D
Acq: 8 Sep 2020 22:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	46.0	69.0
63	30.4	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: 84.402 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF121535.D

Acq: 8 Sep 2020 22:03

Instrument :

BNA_F

ClientSampleId :

WC-PM-B2-0-3.5-C

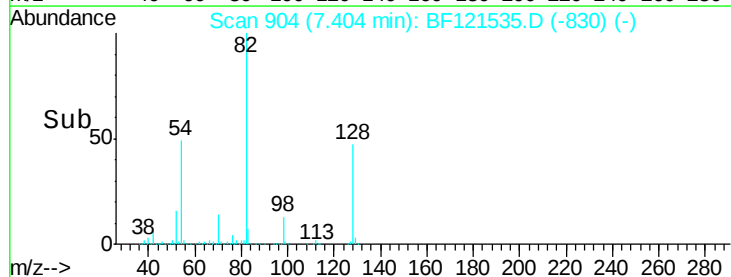
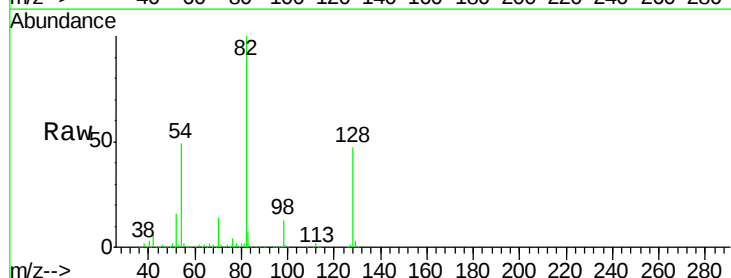
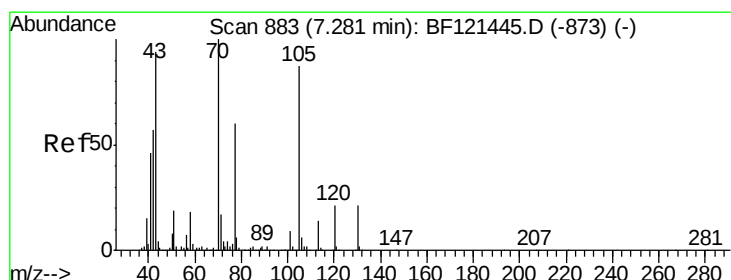
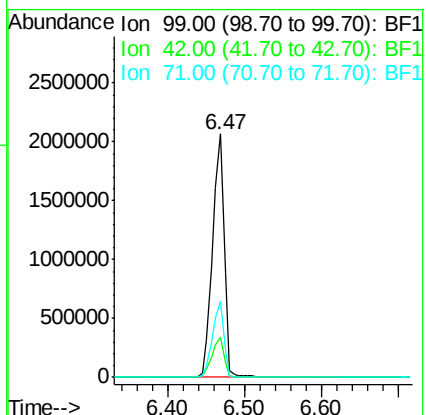
Tot Ion: 99 Resp: 2139558

Ion Ratio Lower Upper

99 100

42 16.4 13.0 19.4

71 31.3 24.8 37.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.919 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF121535.D

Acq: 8 Sep 2020 22:03

Tgt Ion: 70 Resp: 225510

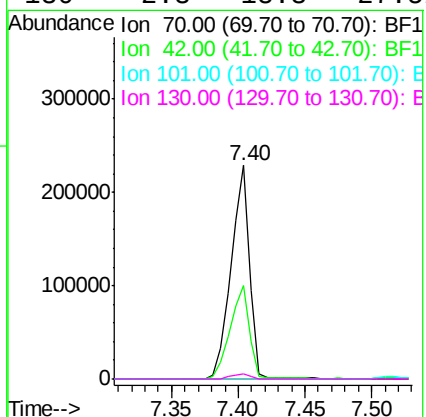
Ion Ratio Lower Upper

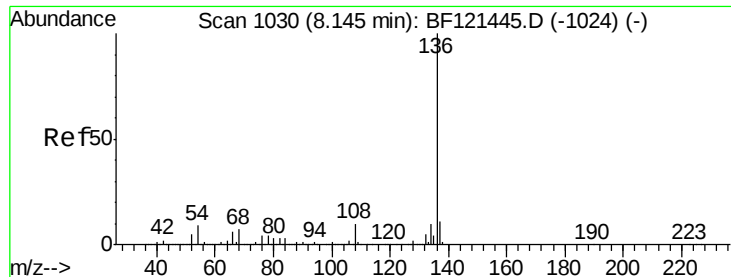
70 100

42 44.0 42.0 63.0

101 0.0 8.1 12.1#

130 2.3 18.3 27.5#

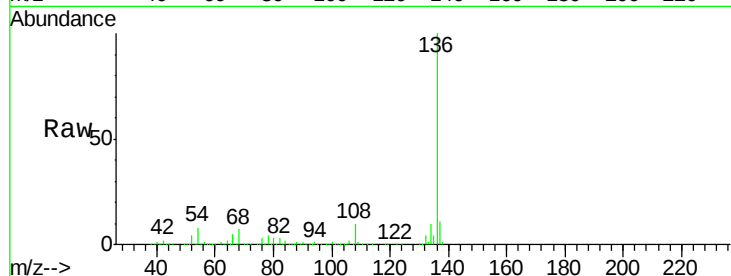




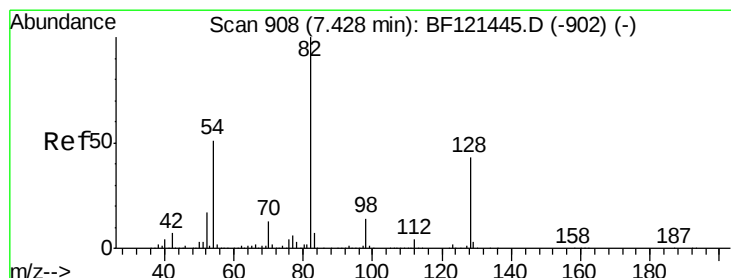
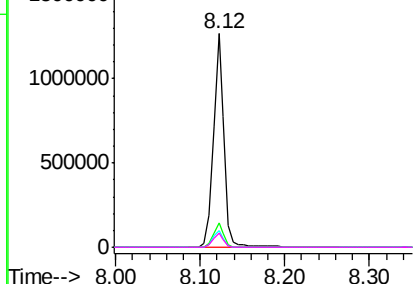
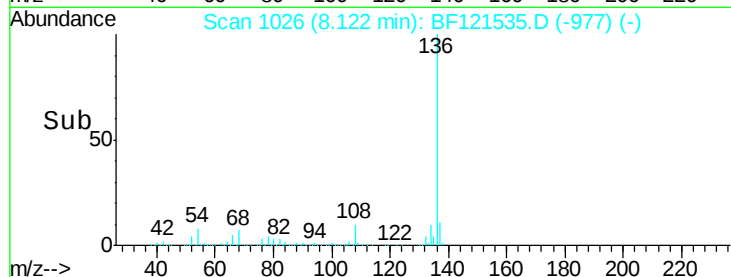
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF121535.D
Acq: 8 Sep 2020 22:03

Instrument :
BNA_F
ClientSampleId :
WC-PM-B2-0-3.5-C

Tot Ion:136	Resp: 1142315
Ion Ratio	Lower Upper
136 100	
137 11.4	8.9 13.3
54 8.0	6.2 9.4
68 6.8	5.1 7.7

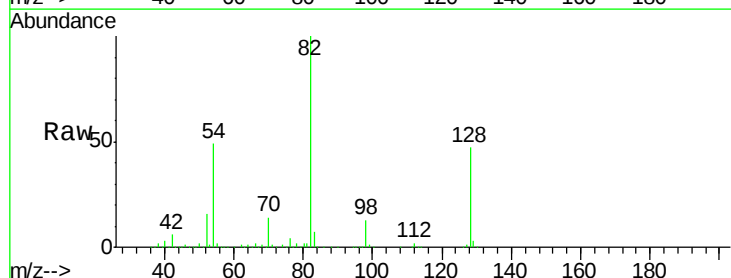


Abundance Ion 136.00 (135.70 to 136.70): E
2000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

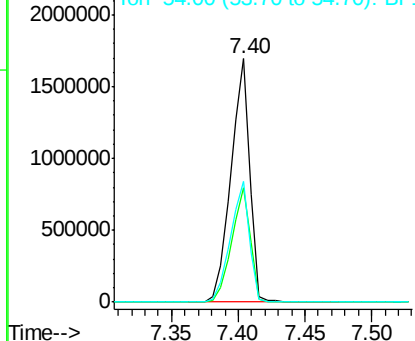
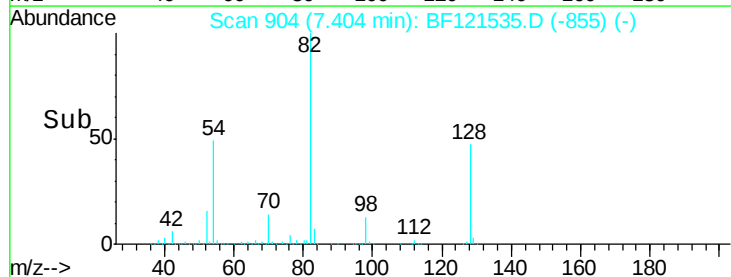


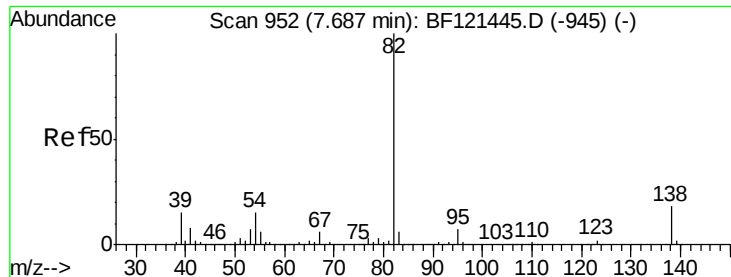
#23
Nitrobenzene-d5
Concen: 101.468 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF121535.D
Acq: 8 Sep 2020 22:03

Tgt Ion: 82	Resp: 1695418
Ion Ratio	Lower Upper
82 100	
128 46.9	37.3 55.9
54 49.4	39.0 58.6



Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.868 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF121535.D

Acq: 8 Sep 2020 22:03

Instrument :

BNA_F

ClientSampleId :

WC-PM-B2-0-3.5-C

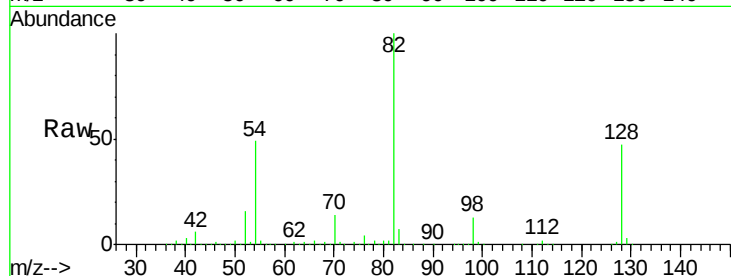
Tot Ion: 82 Resp: 1686243

Ion Ratio Lower Upper

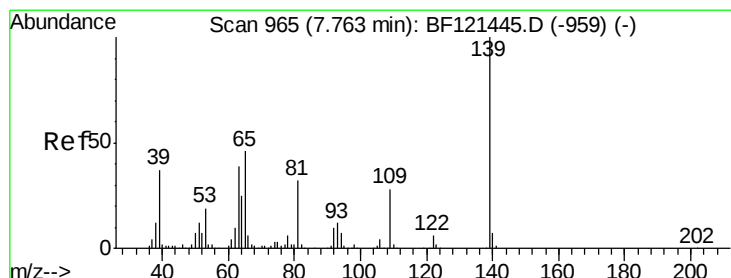
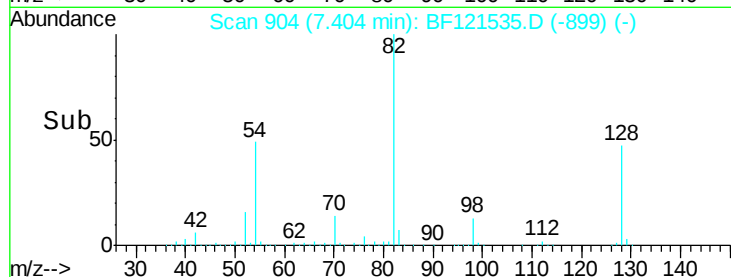
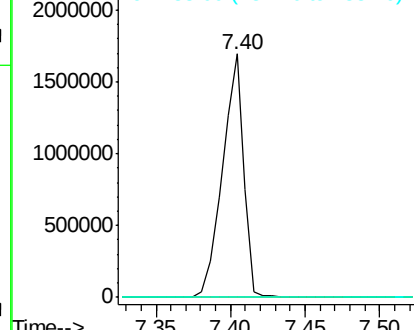
82 100

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: 4.827 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.24 min

Lab File: BF121535.D

Acq: 8 Sep 2020 22:03

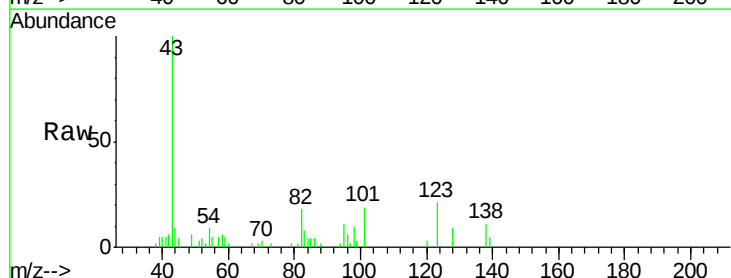
Tgt Ion: 139 Resp: 423

Ion Ratio Lower Upper

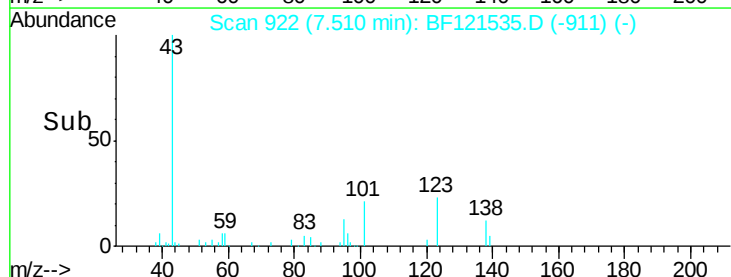
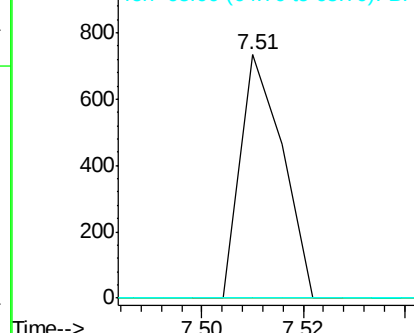
139 100

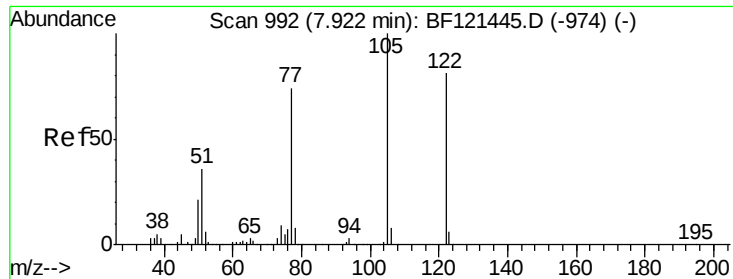
109 0.0 22.0 33.0#

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

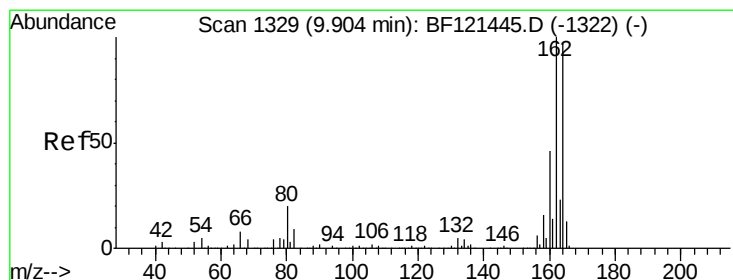
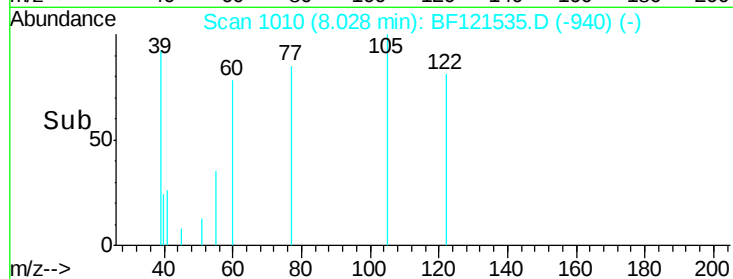
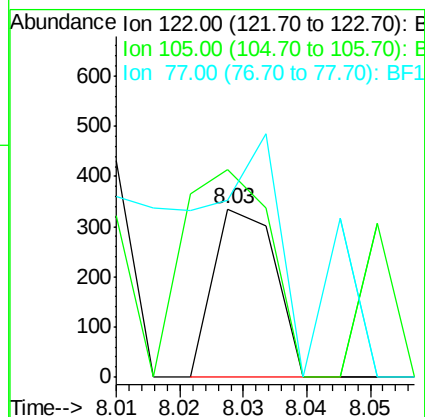
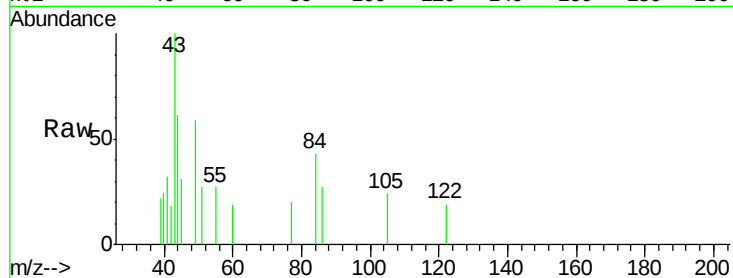




#32
Benzoic acid
Concen: 6.689 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.11 min
Lab File: BF121535.D
Acq: 8 Sep 2020 22:03

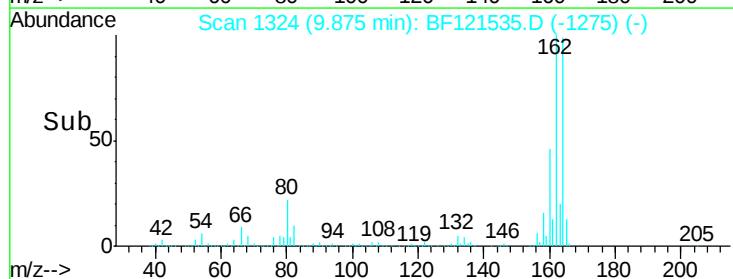
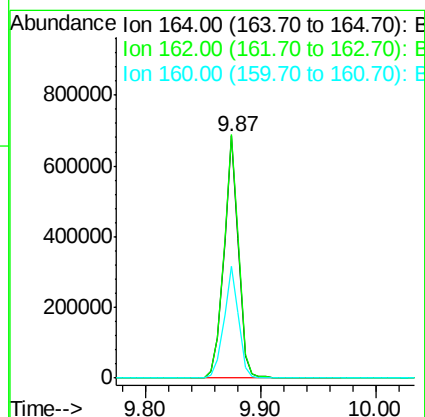
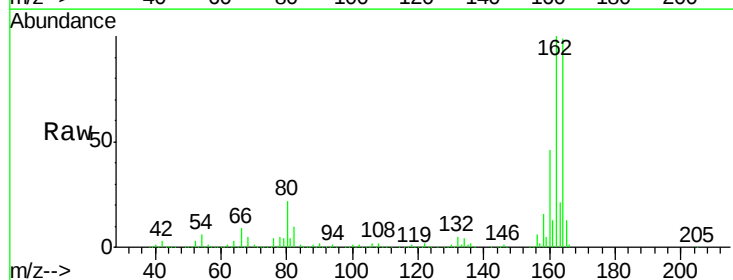
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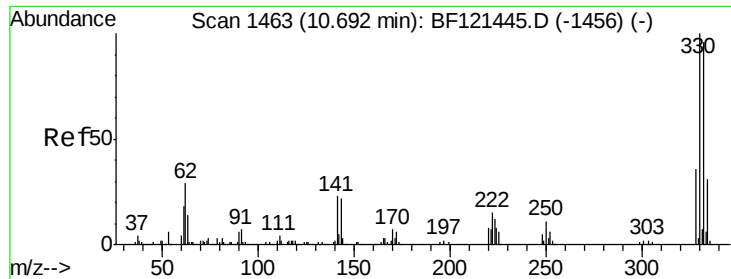
Tot Ion:122 Resp: 225
Ion Ratio Lower Upper
122 100
105 123.3 102.2 142.2
77 105.1 69.8 109.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF121535.D
Acq: 8 Sep 2020 22:03

Tgt Ion:164 Resp: 597078
Ion Ratio Lower Upper
164 100
162 100.7 80.5 120.7
160 46.3 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 143.570 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF121535.D

Acq: 8 Sep 2020 22:03

Instrument :

BNA_F

ClientSampleId :

WC-PM-B2-0-3.5-C

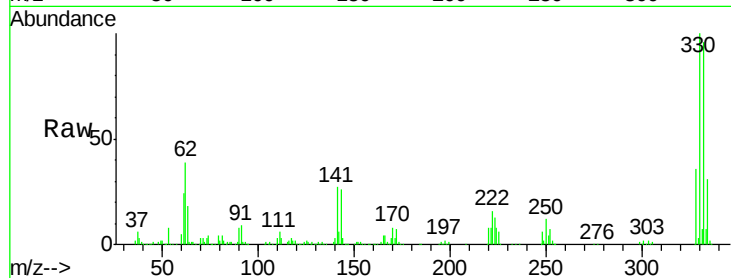
Tot Ion:330 Resp: 865843

Ion Ratio Lower Upper

330 100

332 96.1 76.2 114.2

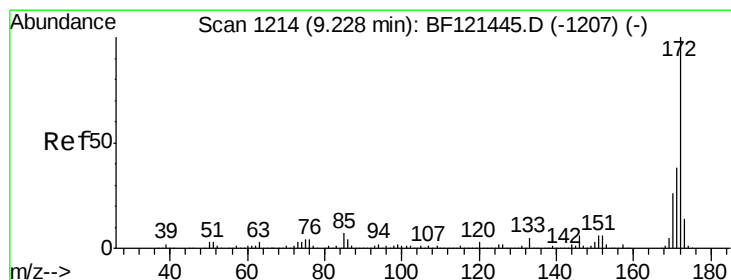
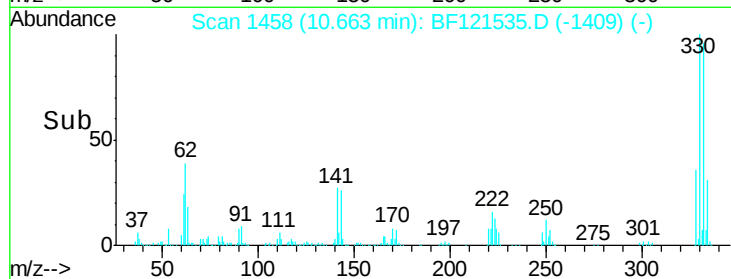
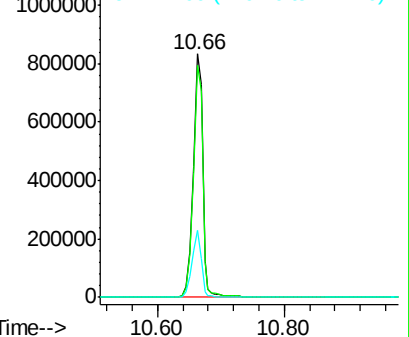
141 27.2 22.6 34.0



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: 79.801 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF121535.D

Acq: 8 Sep 2020 22:03

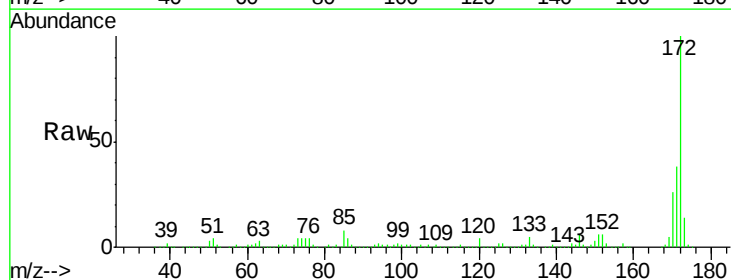
Tgt Ion:172 Resp: 2952996

Ion Ratio Lower Upper

172 100

171 38.1 30.4 45.6

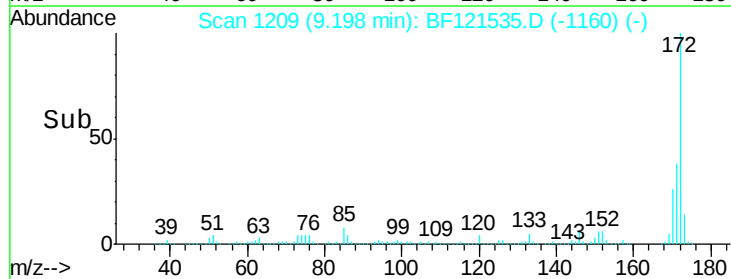
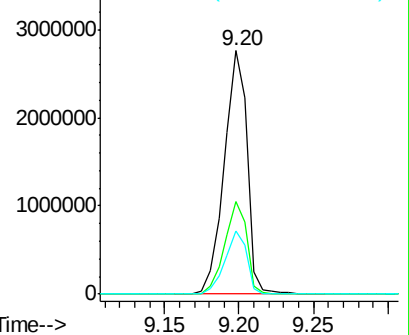
170 25.8 20.7 31.1

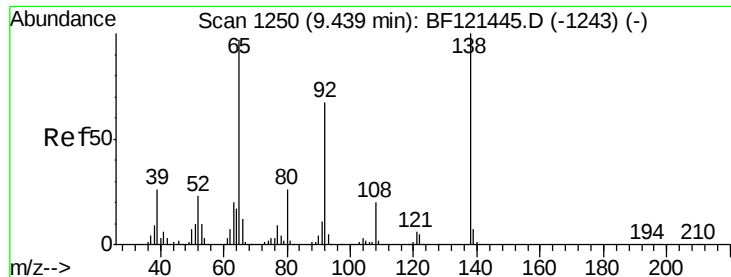


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

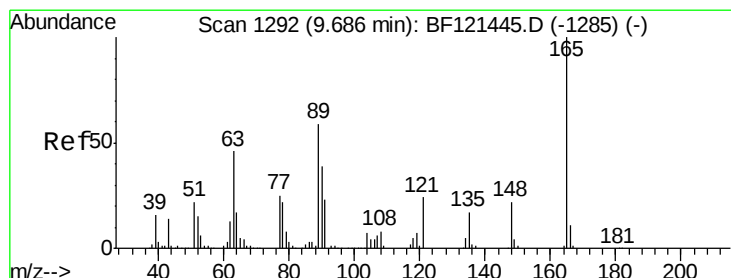
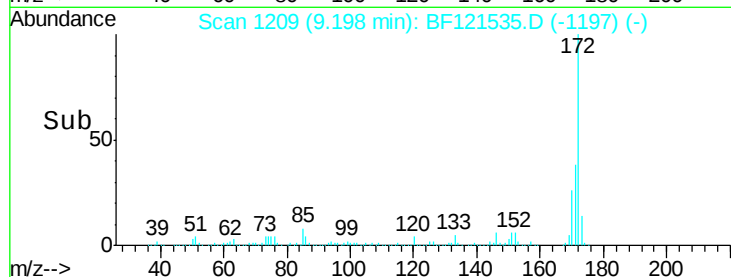
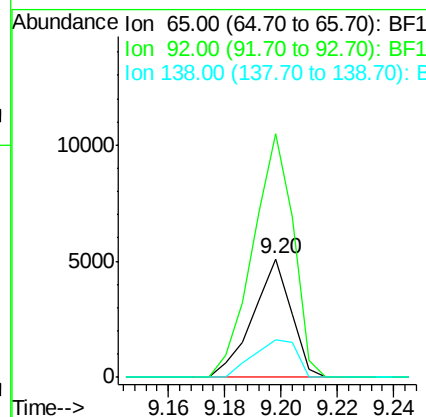
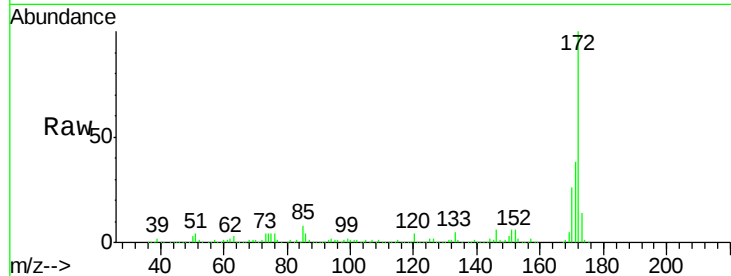




#48
 2-Nitroaniline
 Concen: 7.047 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.23 min
 Lab File: BF121535.D
 Acq: 8 Sep 2020 22:03

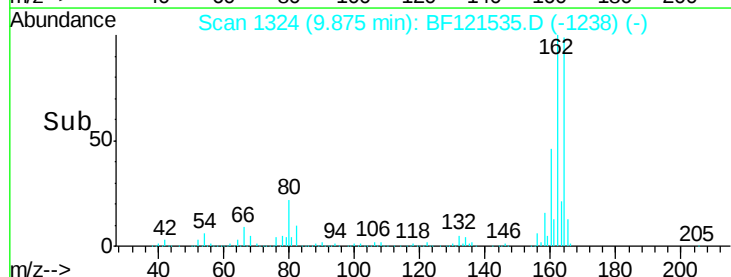
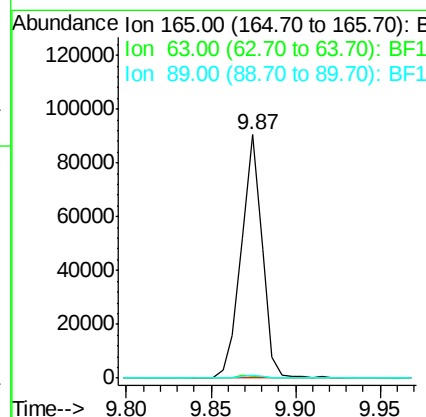
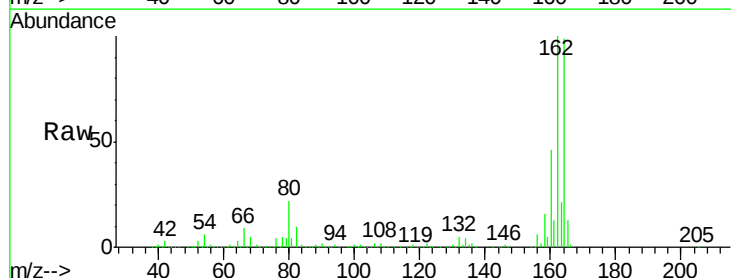
Instrument :
 BNA_F
 ClientSampleId :
 WC-PM-B2-0-3.5-C

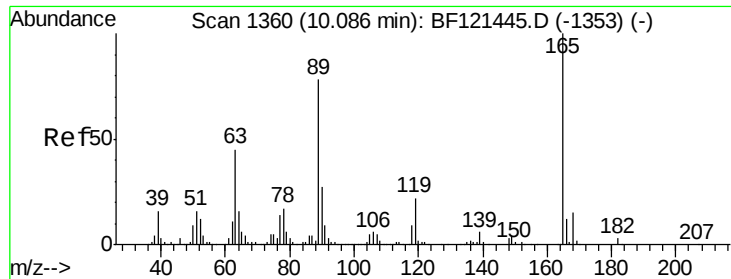
Tot Ion: 65 Resp: 4815
 Ion Ratio Lower Upper
 65 100
 92 205.1 58.6 87.8#
 138 31.6 88.6 133.0#



#51
 2,6-Dinitrotoluene
 Concen: 15.204 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF121535.D
 Acq: 8 Sep 2020 22:03

Tgt Ion:165 Resp: 77952
 Ion Ratio Lower Upper
 165 100
 63 0.9 47.4 71.0#
 89 1.1 47.9 71.9#

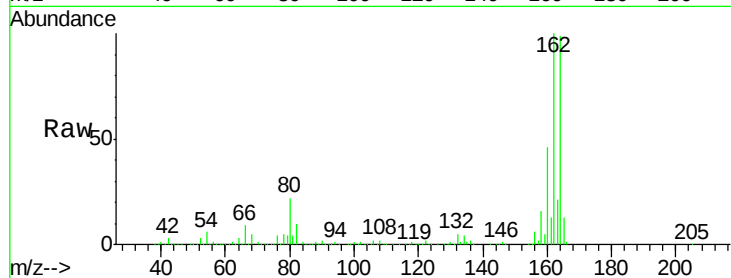




#57
 2,4-Dinitrotoluene
 Concen: 14.265 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.20 min
 Lab File: BF121535.D
 Acq: 8 Sep 2020 22:03

Instrument :
 BNA_F
 ClientSampleId :
 WC-PM-B2-0-3.5-C

Tot Ion:	165	Resp:	77952
Ion	Ratio	Lower	Upper
165	100		
63	0.9	33.6	50.4#
89	1.1	56.4	84.6#
182	0.0	2.2	3.4#

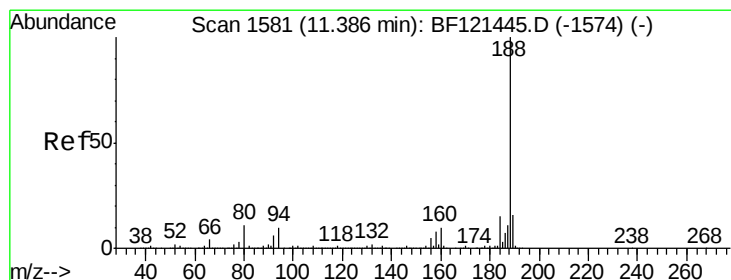
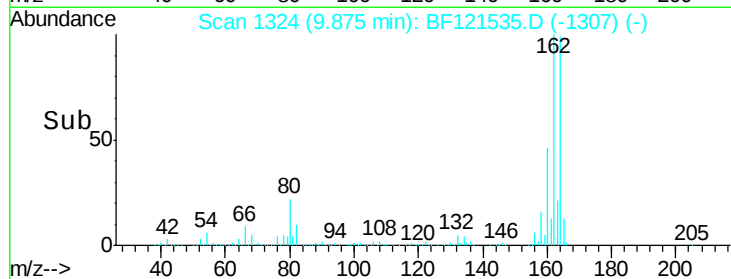
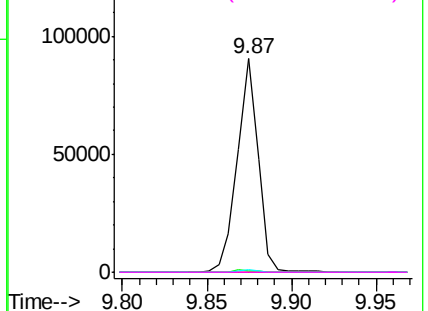


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

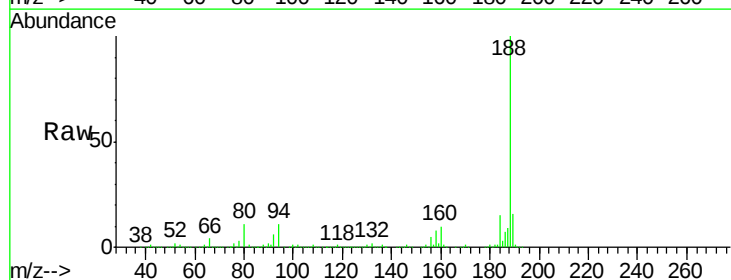
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF121535.D
 Acq: 8 Sep 2020 22:03

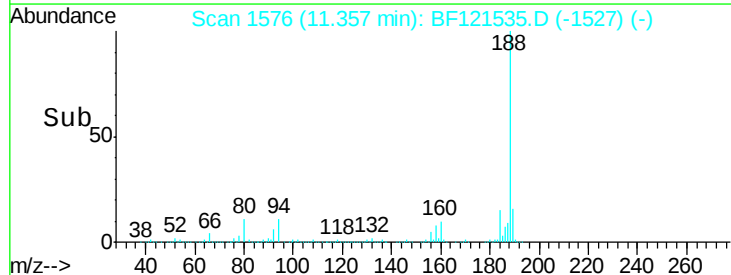
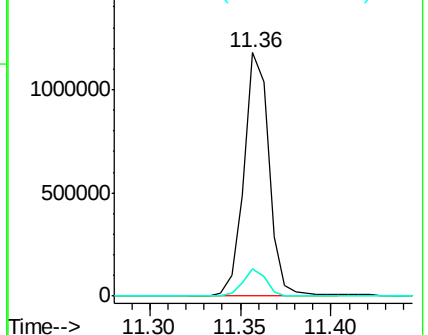
Tgt Ion:	188	Resp:	1136551
Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.8	13.2
80	11.4	9.1	13.7

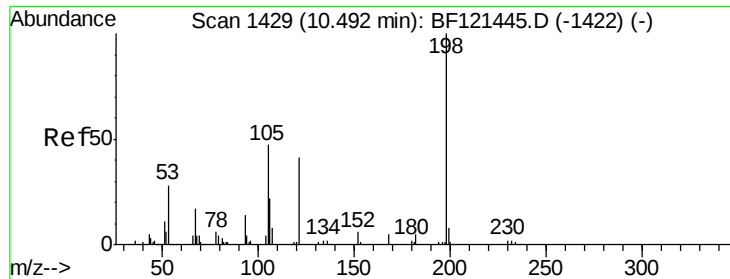


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

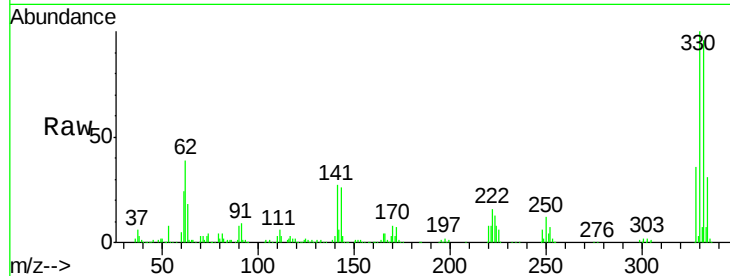




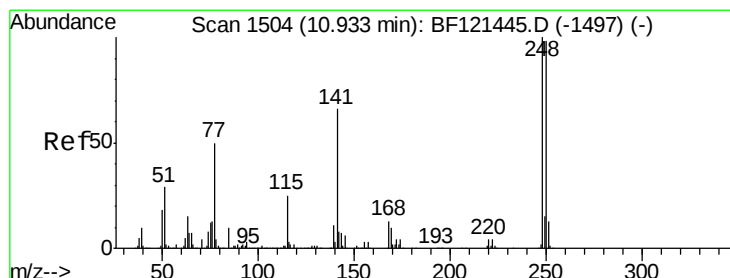
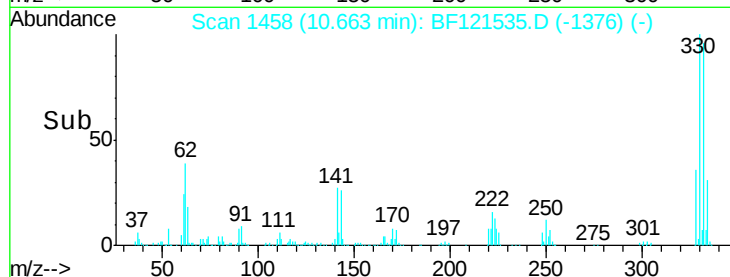
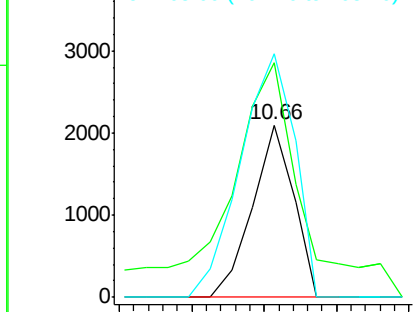
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.266 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.18 min
 Lab File: BF121535.D
 Acq: 8 Sep 2020 22:03

Instrument :
 BNA_F
 ClientSampleId :
 WC-PM-B2-0-3.5-C

Tot Ion:198 Resp: 1649
 Ion Ratio Lower Upper
 198 100
 51 136.3 24.9 64.9#
 105 141.3 25.8 65.8#

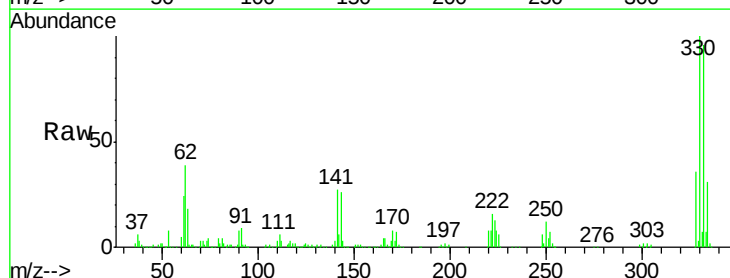


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

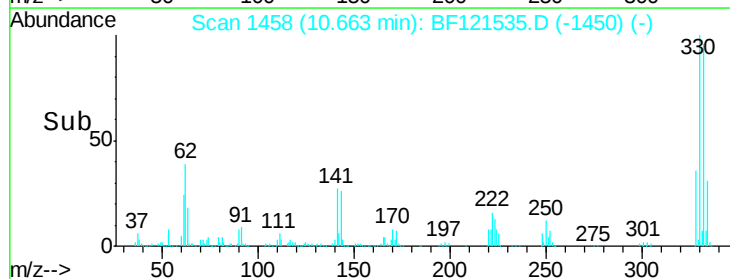
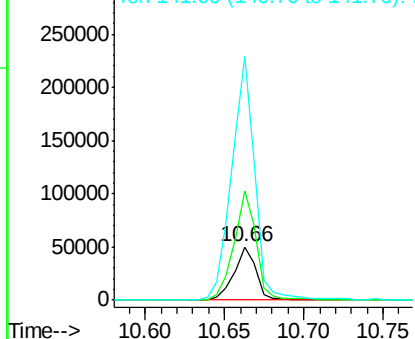


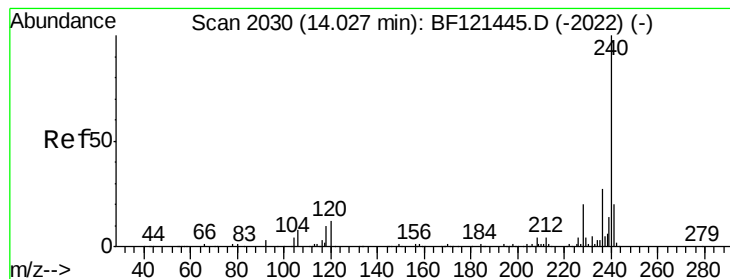
#67
 4-Bromophenyl-phenylether
 Concen: 3.886 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF121535.D
 Acq: 8 Sep 2020 22:03

Tgt Ion:248 Resp: 48587
 Ion Ratio Lower Upper
 248 100
 250 205.8 77.8 116.6#
 141 458.4 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: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF121535.D

Acq: 8 Sep 2020 22:03

Instrument :

BNA_F

ClientSampleId :

WC-PM-B2-0-3.5-C

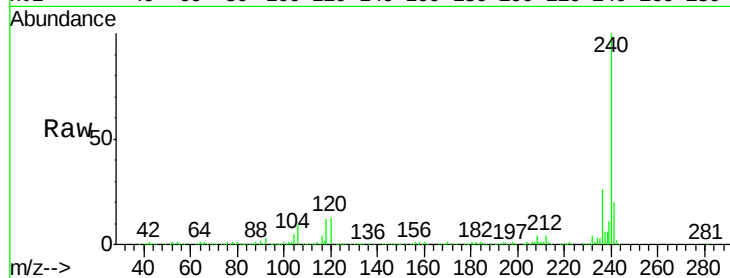
Tot Ion:240 Resp: 931772

Ion Ratio Lower Upper

240 100

120 12.8 8.0 12.0#

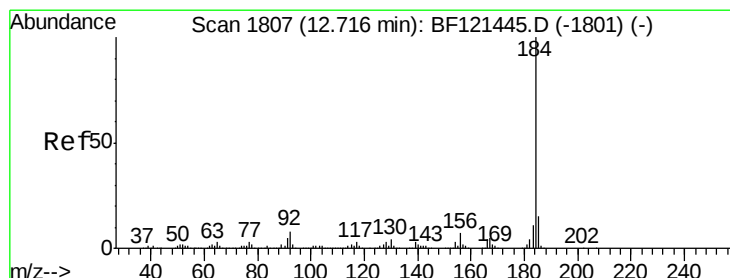
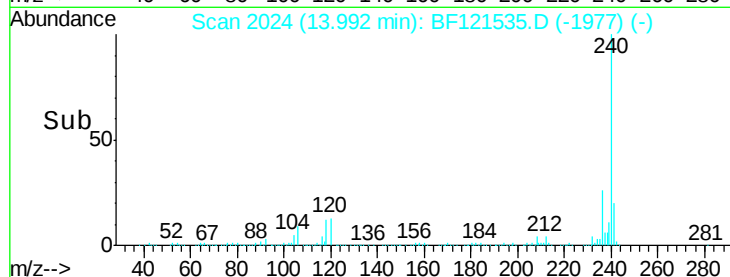
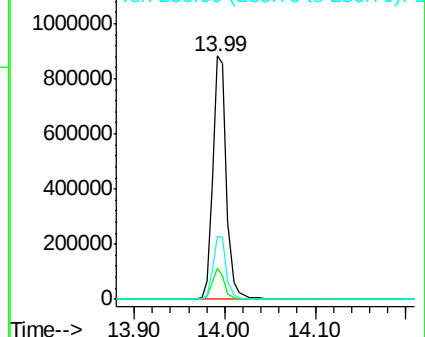
236 26.2 21.4 32.2



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



#77

Benzidine

Concen: 2.293 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.25 min

Lab File: BF121535.D

Acq: 8 Sep 2020 22:03

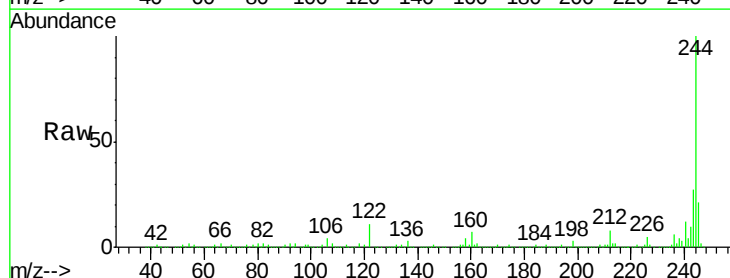
Tgt Ion:184 Resp: 46597

Ion Ratio Lower Upper

184 100

185 16.1 11.5 17.3

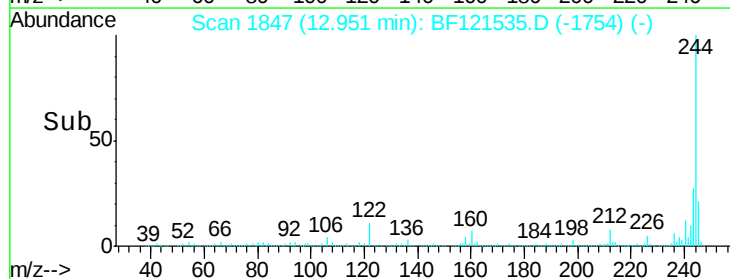
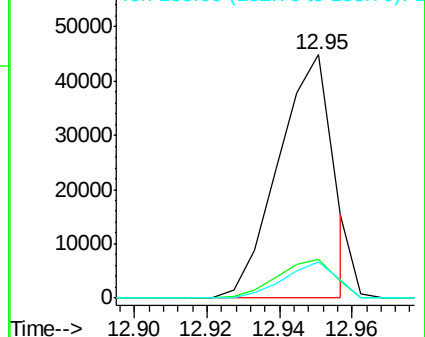
183 14.8 9.0 13.6#

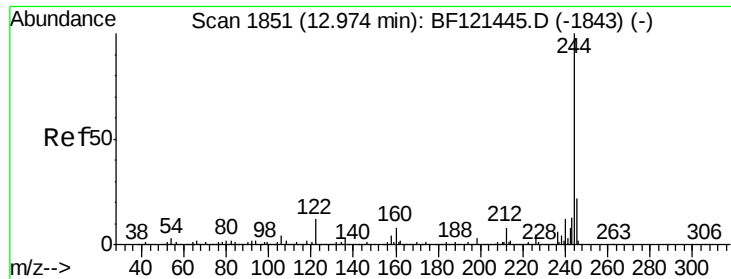


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 73.777 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF121535.D

Acq: 8 Sep 2020 22:03

Instrument :

BNA_F

ClientSampleId :

WC-PM-B2-0-3.5-C

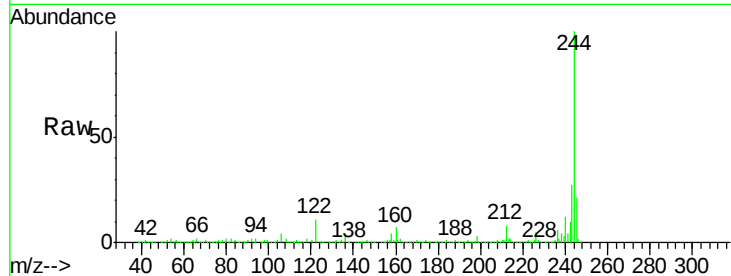
Tot Ion:244 Resp: 3265786

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

122 11.2 9.3 13.9

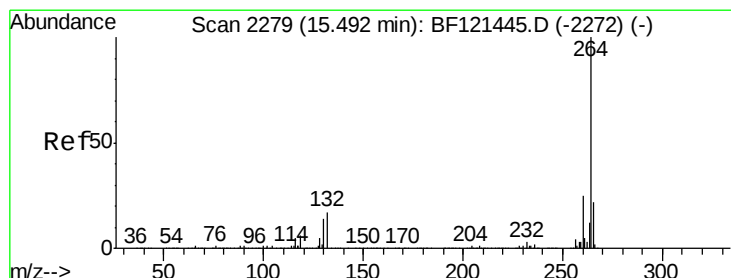
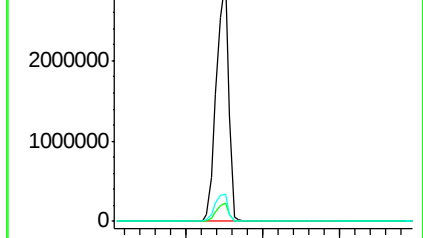
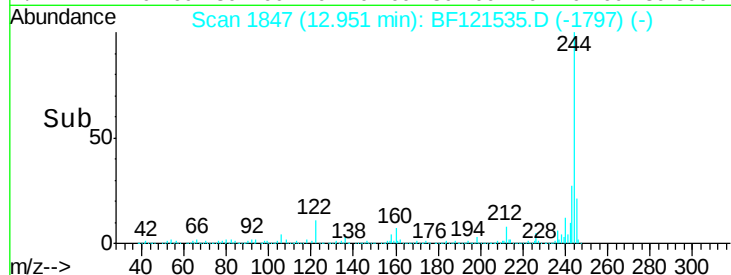


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.02 min

Lab File: BF121535.D

Acq: 8 Sep 2020 22:03

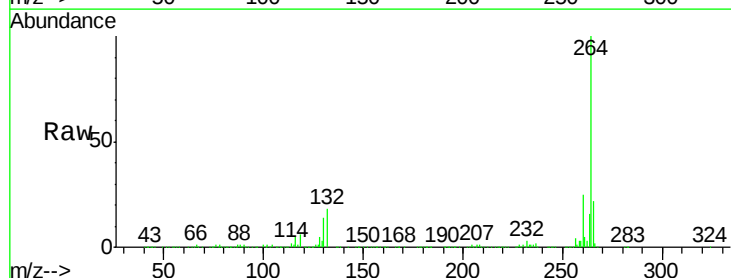
Tgt Ion:264 Resp: 786383

Ion Ratio Lower Upper

264 100

260 24.7 19.7 29.5

265 21.9 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

Time-->

