

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
 Data File : BF121639.D
 Acq On : 21 Sep 2020 21:42
 Operator : JU/CG
 Sample : L4053-03DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-231DL

Quant Time: Sep 22 01:13:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 21 14:19:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	147596	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	575411	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	243619	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	262413	20.00	ng	0.04
76) Chrysene-d12	14.02	240	303144	20.00	ng	0.02
86) Perylene-d12	15.46	264	352641	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	188942	19.02	ng	0.02
7) Phenol-d6	6.45	99	231195	17.74	ng	-0.01
23) Nitrobenzene-d5	7.37	82	149343	13.94	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	43026	14.21	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	281904	17.53	ng	0.00
79) Terphenyl-d14	12.97	244	163602	10.93	ng	0.02

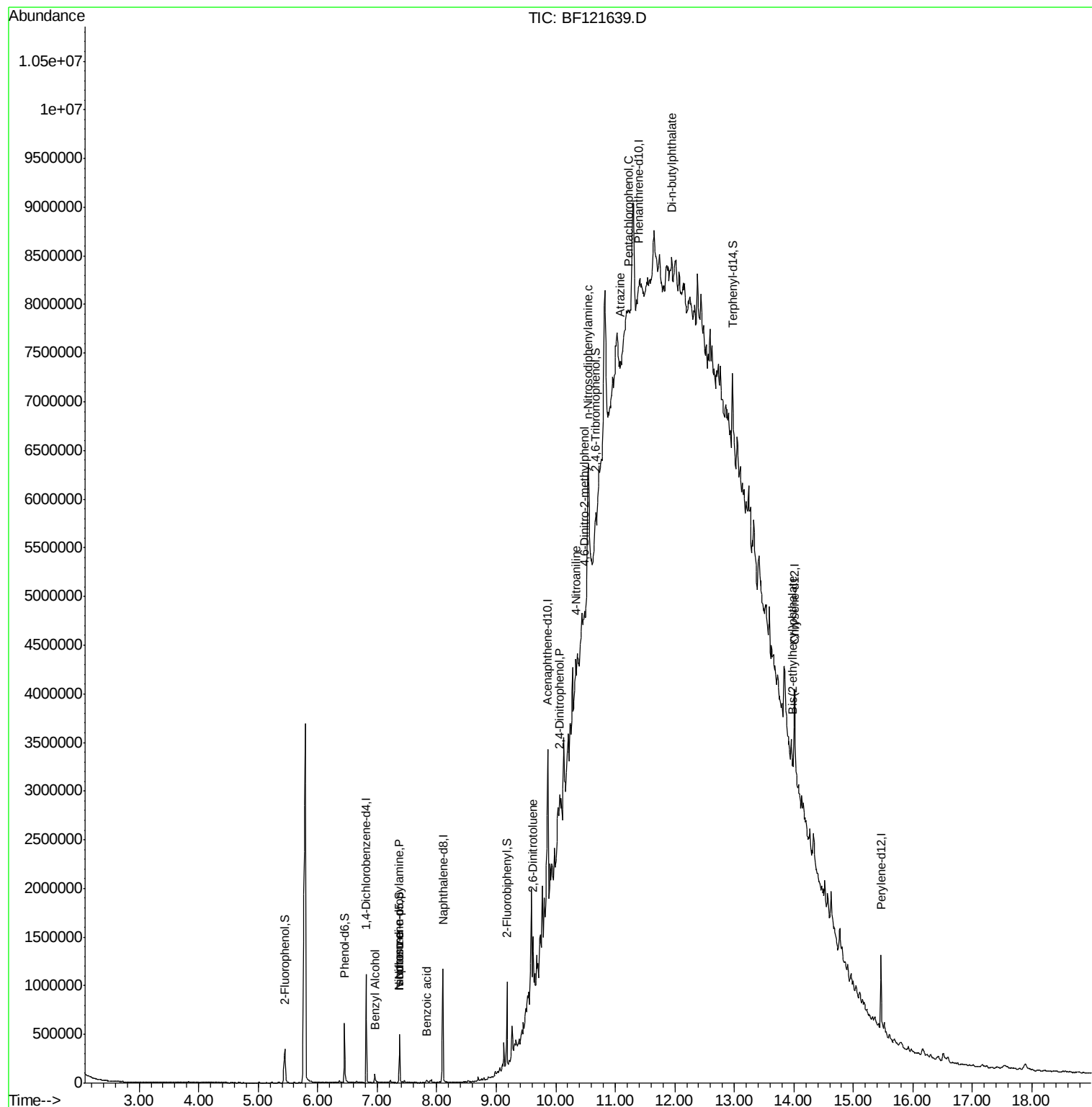
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.96	79	25865	2.921	ng	99
19) n-Nitroso-di-n-propylamine	7.37	70	20416	2.719	ng	# 79
25) Isophorone	7.37	82	144788	6.711	ng	# 67
32) Benzoic acid	7.83	122	8524	7.951	ng	95
51) 2,6-Dinitrotoluene	9.62	165	47209	12.554	ng	# 28
54) 2,4-Dinitrophenol	10.07	184	1711	9.747	ng	# 1
62) 4-Nitroaniline	10.33	138	11115	2.570	ng	87
65) 4,6-Dinitro-2-methylphenol	10.49	198	710	7.230	ng	# 1
66) n-Nitrosodiphenylamine	10.54	169	47685	5.297	ng	# 71
69) Atrazine	11.10	200	12493	5.586	ng	# 1
70) Pentachlorophenol	11.23	266	5000	2.700	ng	# 1
74) Di-n-butylphthalate	11.95	149	617934	40.212	ng	# 93
84) Bis(2-ethylhexyl)phthalate	13.99	149	47807	3.995	ng	# 85

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

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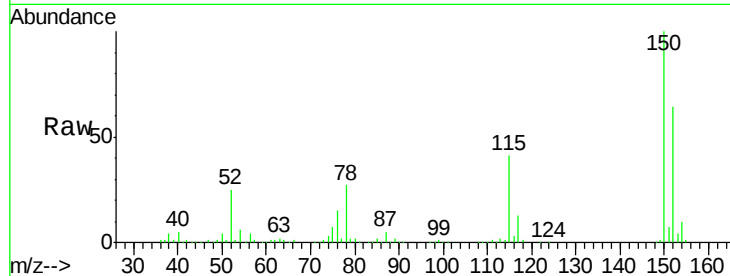


#1

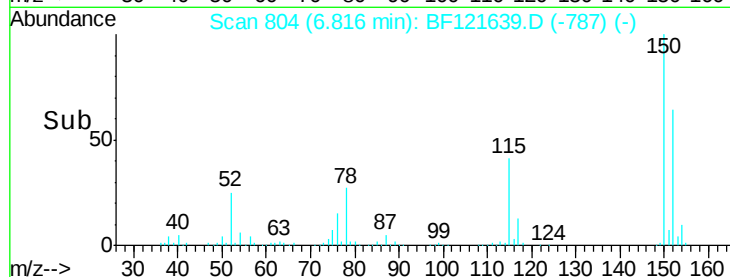
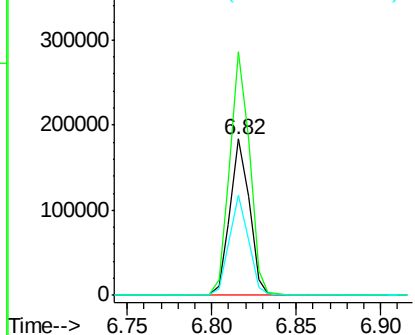
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF121639.D
Acq: 21 Sep 2020 21:42

Instrument :
BNA_F
ClientSampleId :
VNJ-231DL

Tot Ion:152 Resp: 147596
Ion Ratio Lower Upper
152 100
150 155.7 128.1 192.1
115 63.7 52.6 79.0



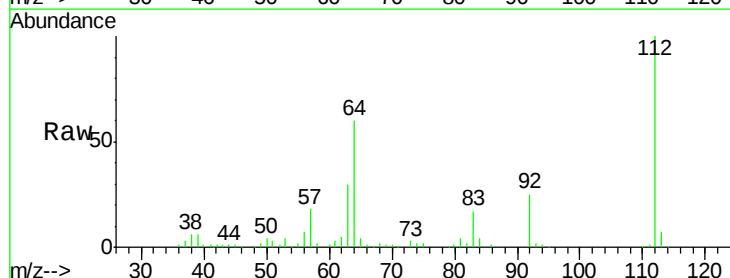
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



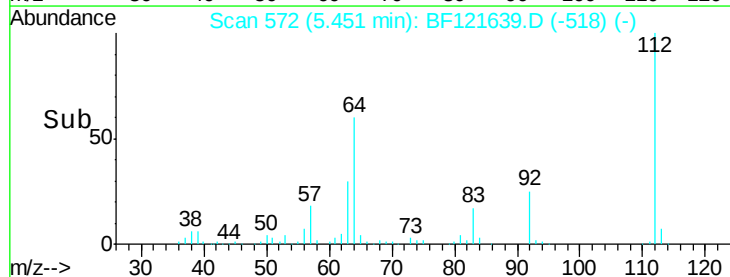
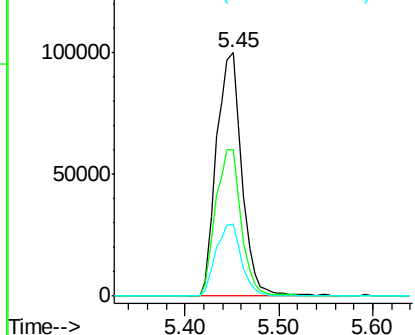
#5

2-Fluorophenol
Concen: 19.024 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.02 min
Lab File: BF121639.D
Acq: 21 Sep 2020 21:42

Tgt Ion:112 Resp: 188942
Ion Ratio Lower Upper
112 100
64 60.0 52.2 78.2
63 29.7 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: 17.744 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF121639.D

Acq: 21 Sep 2020 21:42

Instrument :

BNA_F

ClientSampleId :

VNJ-231DL

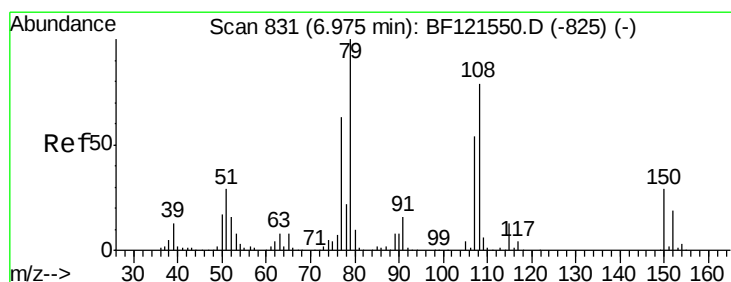
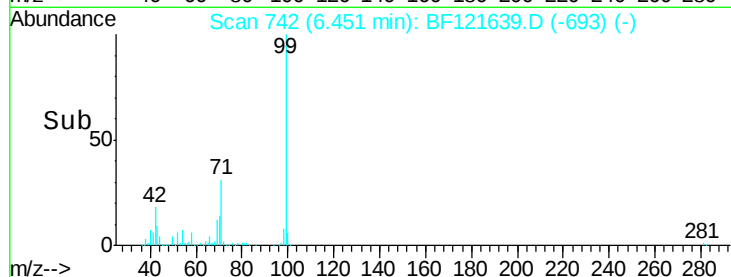
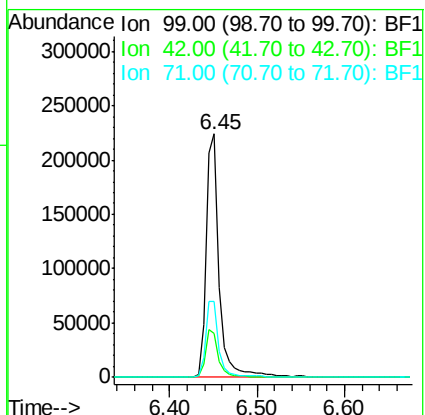
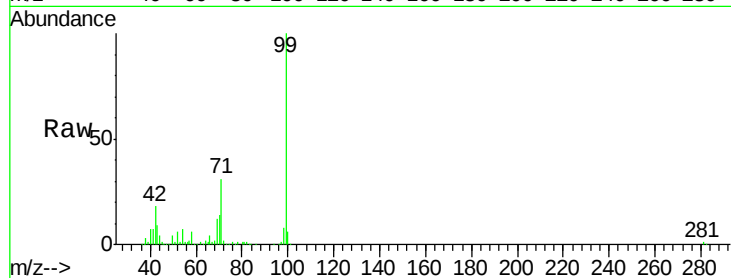
Tot Ion: 99 Resp: 231195

Ion Ratio Lower Upper

99 100

42 18.1 15.5 23.3

71 31.3 27.4 41.2



#15

Benzyl Alcohol

Concen: 2.921 ng

RT: 6.96 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF121639.D

Acq: 21 Sep 2020 21:42

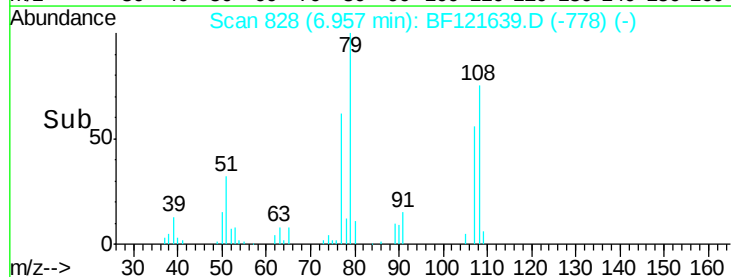
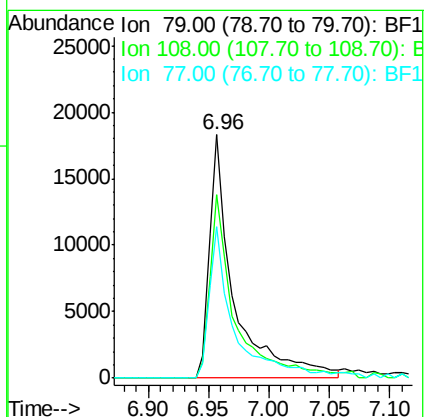
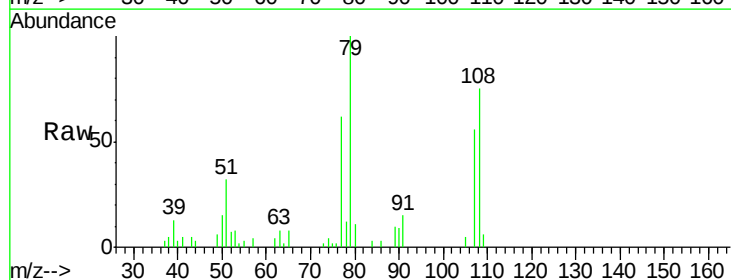
Tgt Ion: 79 Resp: 25865

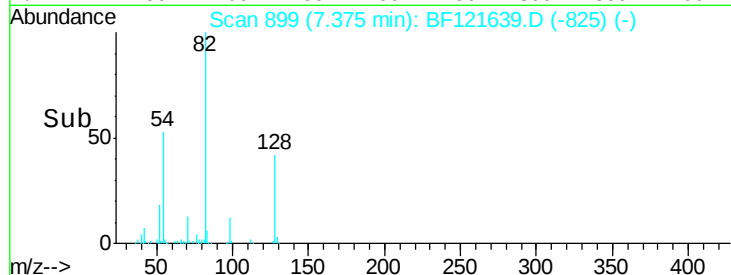
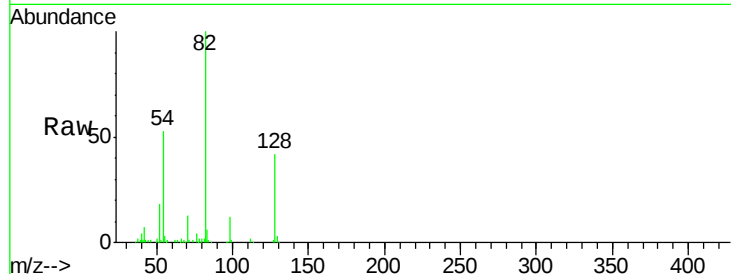
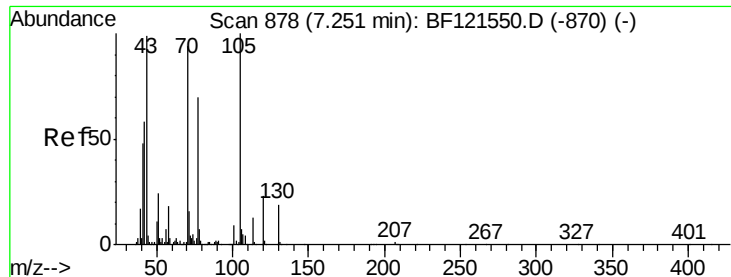
Ion Ratio Lower Upper

79 100

108 75.2 60.2 90.2

77 62.2 50.6 76.0

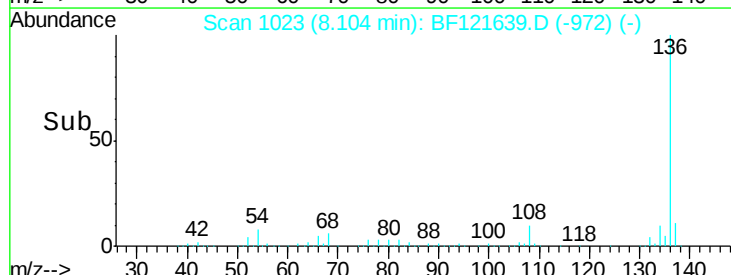
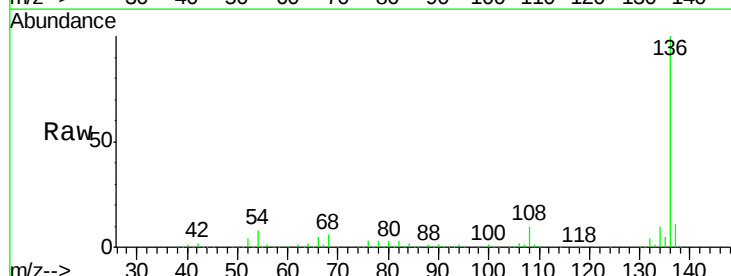
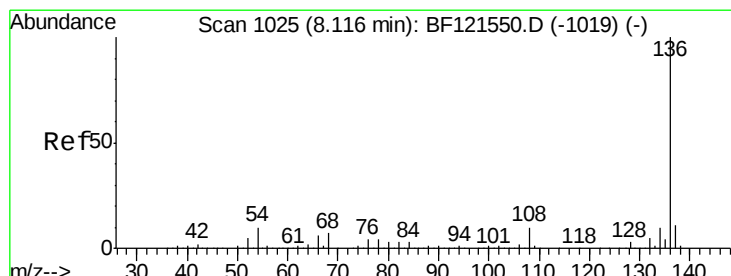
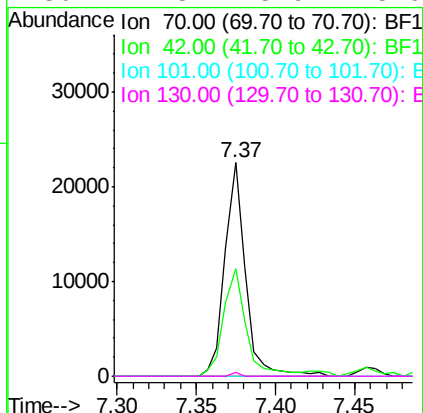




#19
n-Nitroso-di-n-propylamine
Concen: 2.719 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.14 min
Lab File: BF121639.D
Acq: 21 Sep 2020 21:42

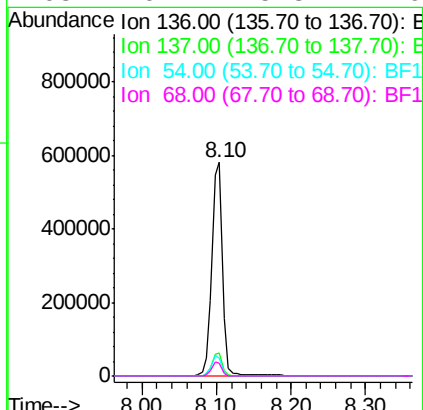
Instrument :
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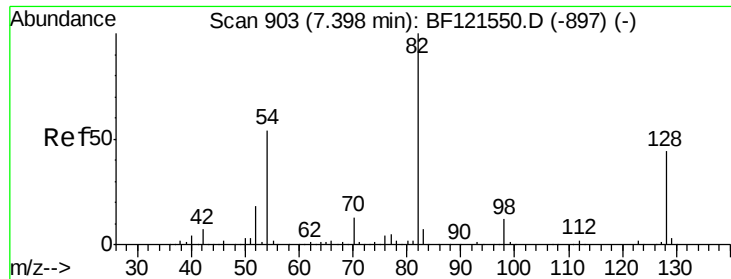
Tot Ion:	70	Resp:	20416
Ion	Ratio	Lower	Upper
70	100		
42	50.1	48.3	72.5
101	0.0	7.6	11.4#
130	1.8	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF121639.D
Acq: 21 Sep 2020 21:42

Tgt Ion:	136	Resp:	575411
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.4	7.4	11.0
68	6.1	5.3	7.9

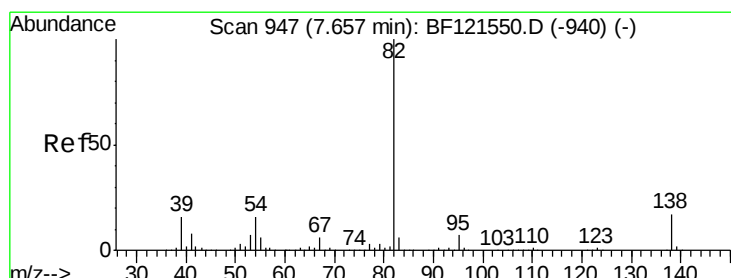
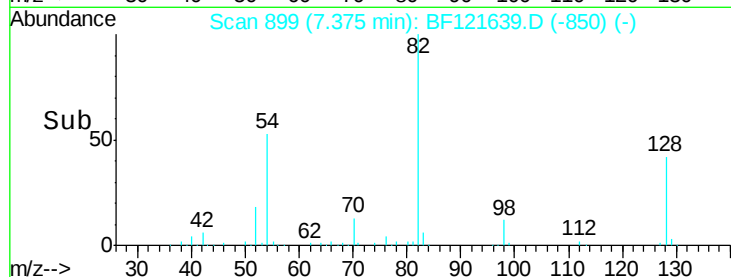
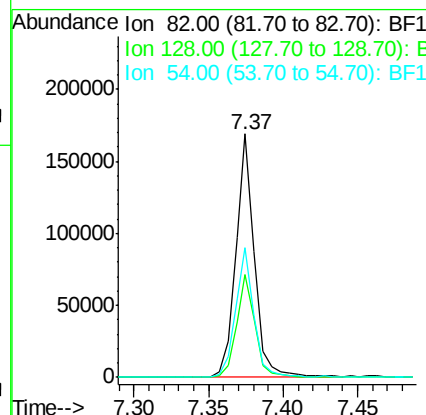
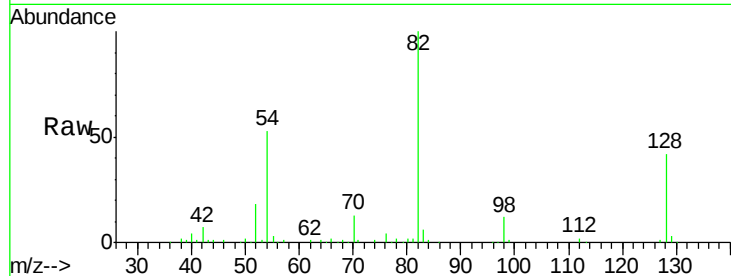




#23
 Nitrobenzene-d5
 Concen: 13.935 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF121639.D
 Acq: 21 Sep 2020 21:42

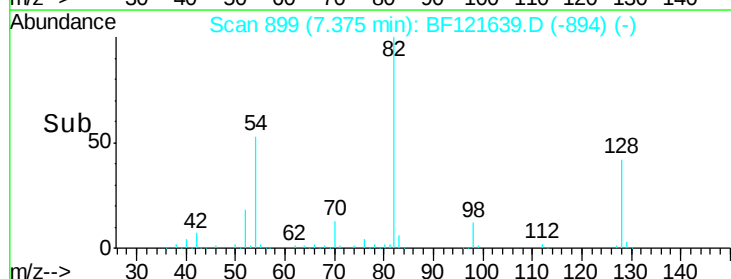
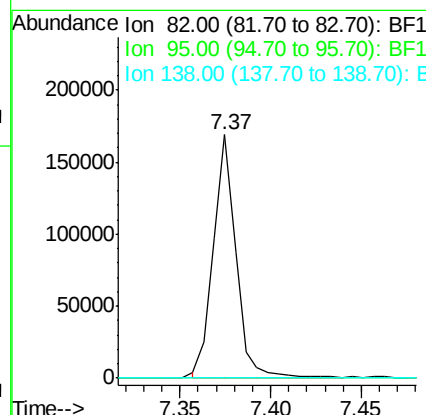
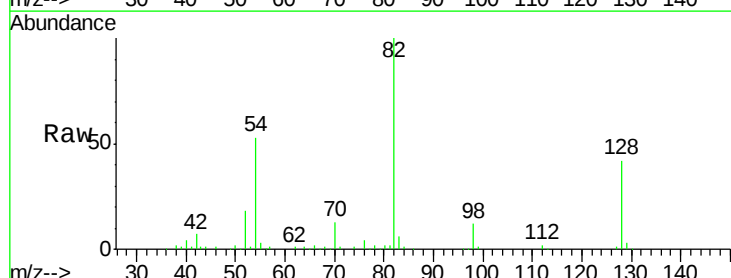
Instrument :
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 VNJ-231DL

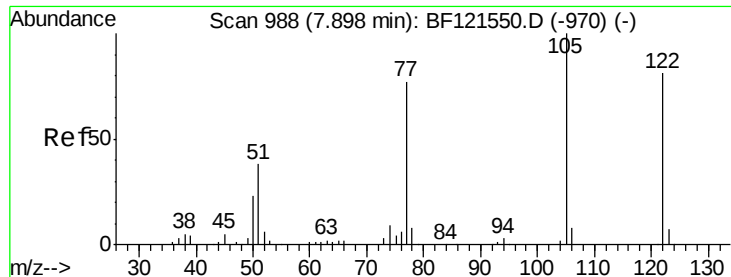
Tot Ion	82	Resp	149343
Ion Ratio	Lower	Upper	
82	100		
128	42.4	33.9	50.9
54	53.2	42.9	64.3



#25
 Isophorone
 Concen: 6.711 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.27 min
 Lab File: BF121639.D
 Acq: 21 Sep 2020 21:42

Tgt Ion	82	Resp	144788
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.2	19.8#

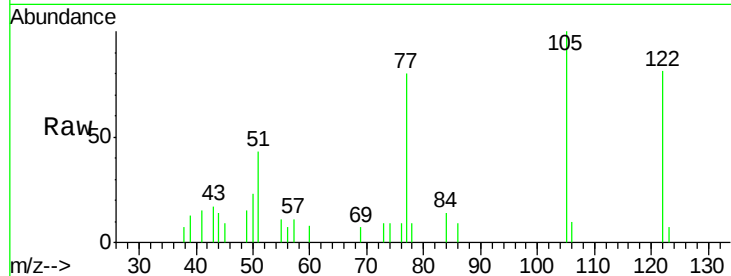




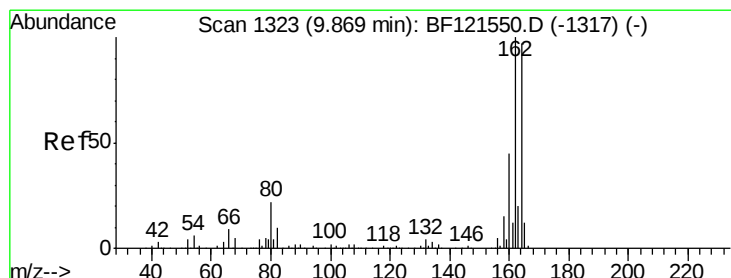
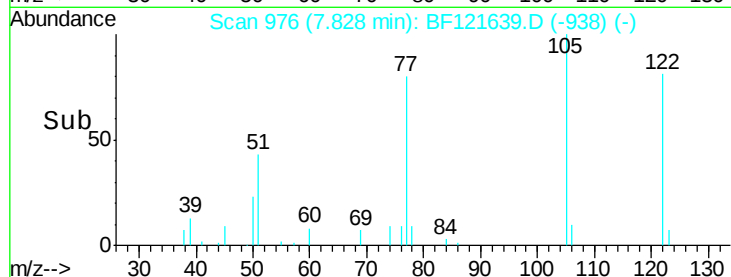
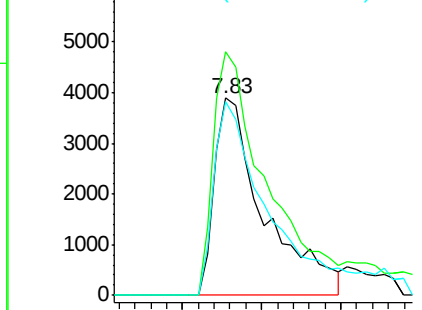
#32
Benzoic acid
Concen: 7.951 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.08 min
Lab File: BF121639.D
Acq: 21 Sep 2020 21:42

Instrument :
BNA_F
ClientSampleId :
VNJ-231DL

Tot Ion:122 Resp: 8524
Ion Ratio Lower Upper
122 100
105 123.6 101.9 141.9
77 98.6 69.0 109.0

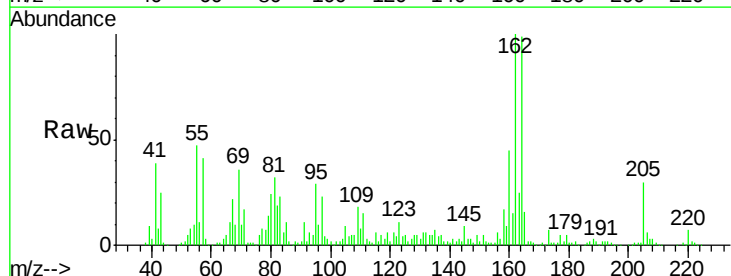


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

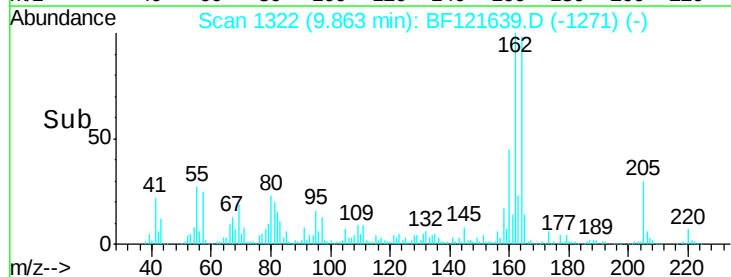
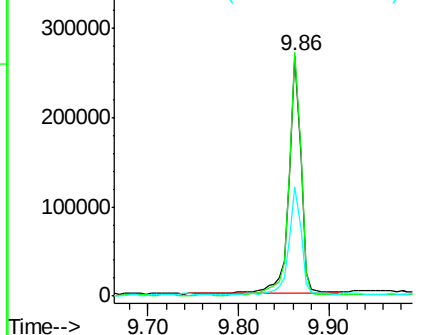


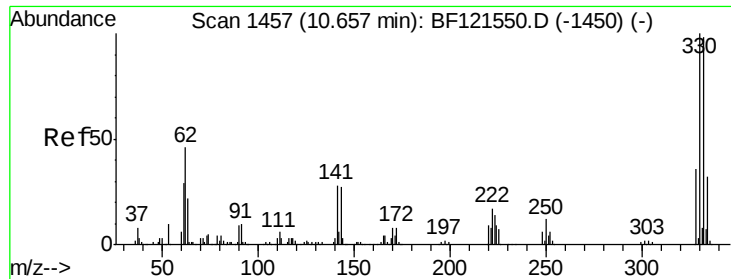
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BF121639.D
Acq: 21 Sep 2020 21:42

Tgt Ion:164 Resp: 243619
Ion Ratio Lower Upper
164 100
162 101.3 81.2 121.8
160 45.5 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

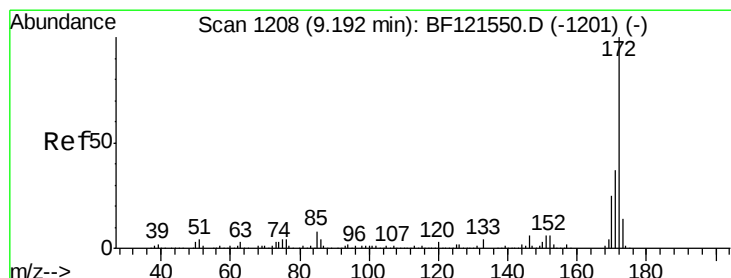
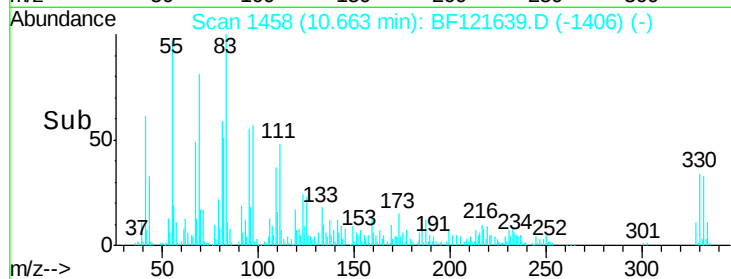
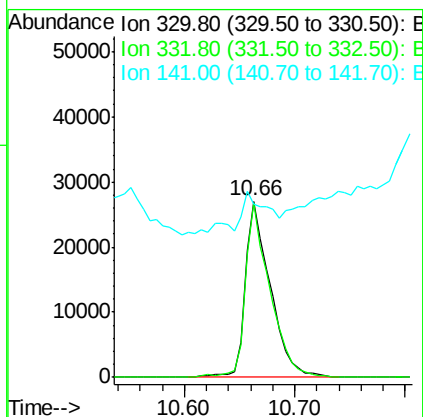
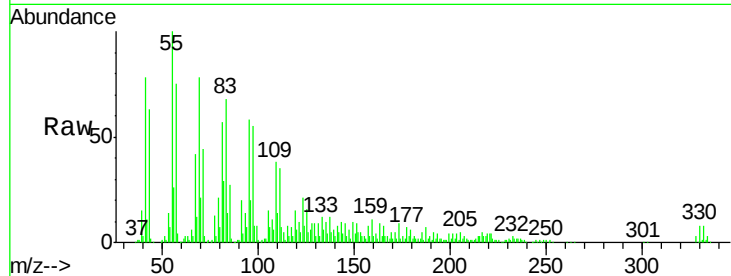




#42
 2,4,6-Tribromophenol
 Concen: 14.210 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: BF121639.D
 Acq: 21 Sep 2020 21:42

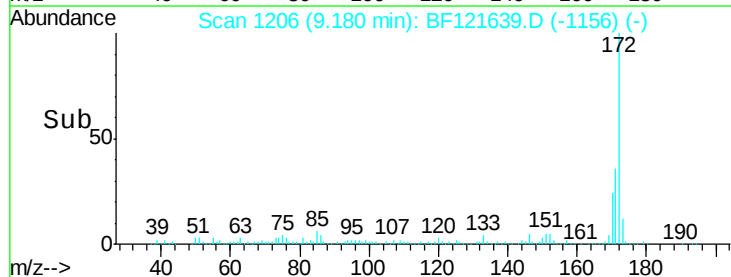
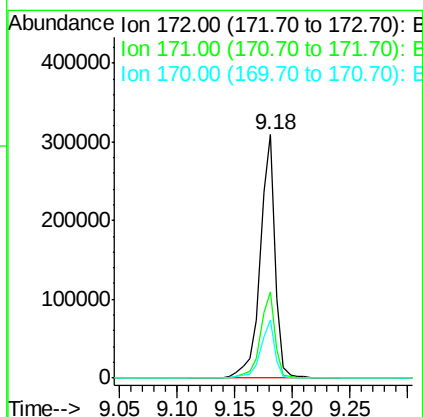
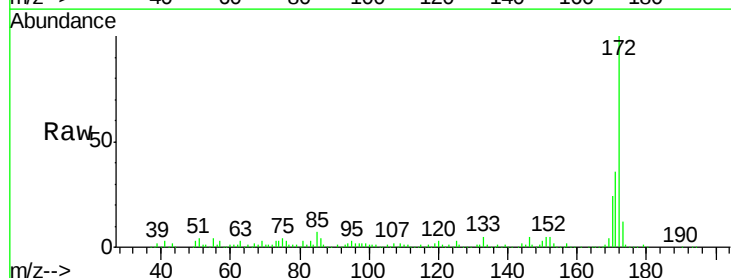
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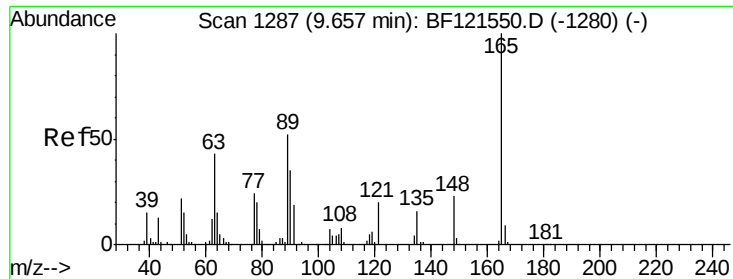
Tot Ion:330 Resp: 43026
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.9 115.3
 141 20.6 22.4 33.6#



#45
 2-Fluorobiphenyl
 Concen: 17.525 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF121639.D
 Acq: 21 Sep 2020 21:42

Tgt Ion:172 Resp: 281904
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.3 43.9
 170 23.7 19.5 29.3





#51

2,6-Dinitrotoluene

Concen: 12.554 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BF121639.D

Acq: 21 Sep 2020 21:42

Instrument :

BNA_F

ClientSampleId :

VNJ-231DL

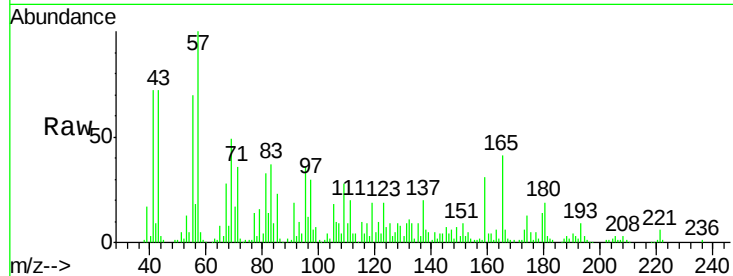
Tot Ion:165 Resp: 47209

Ion Ratio Lower Upper

165 100

63 5.3 47.6 71.4#

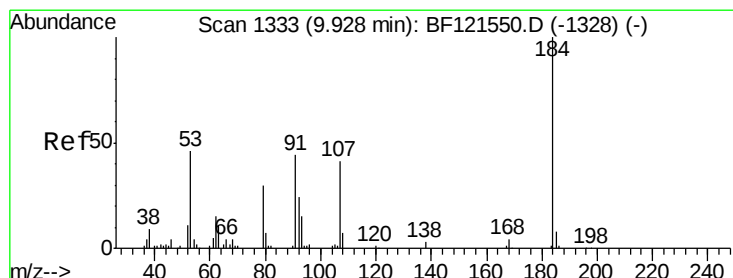
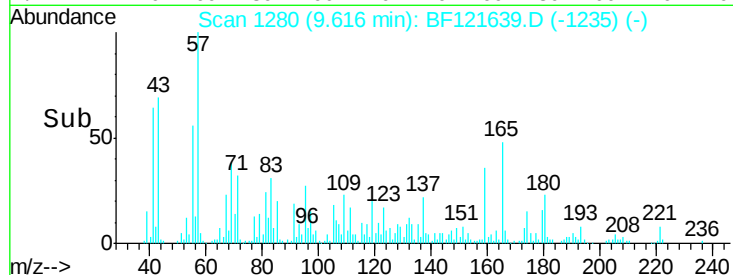
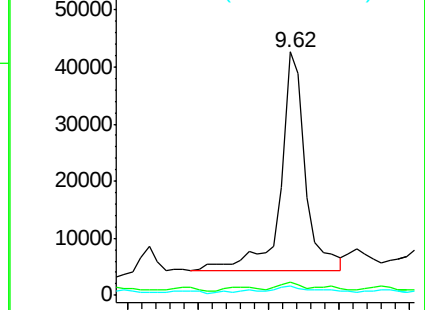
89 4.0 46.0 69.0#



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



#54

2,4-Dinitrophenol

Concen: 9.747 ng

RT: 10.07 min Scan# 1358

Delta R.T. 0.15 min

Lab File: BF121639.D

Acq: 21 Sep 2020 21:42

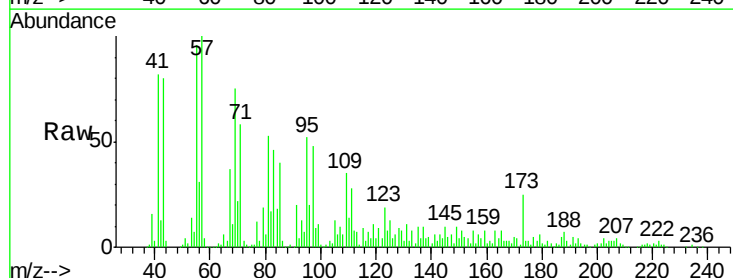
Tgt Ion:184 Resp: 1711

Ion Ratio Lower Upper

184 100

63 424.3 51.5 77.3#

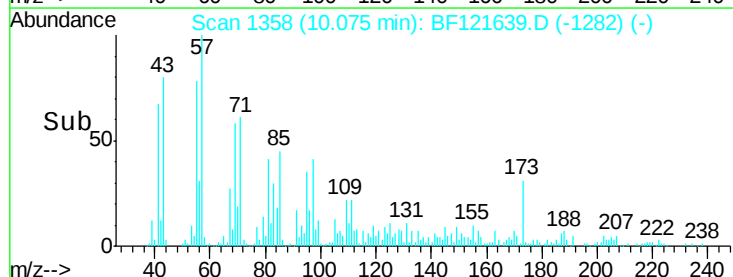
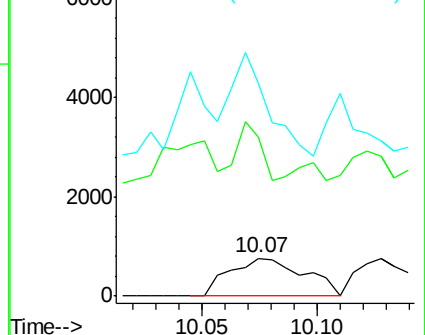
154 567.4 46.6 70.0#

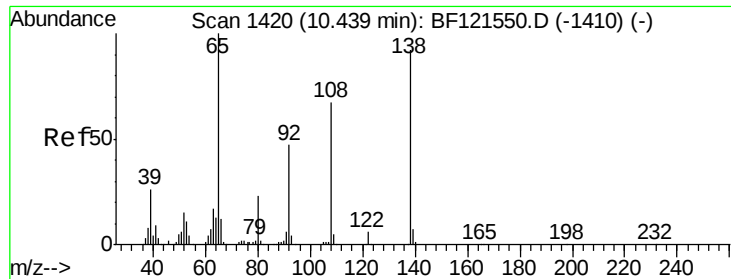


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#62

4-Nitroaniline

Concen: 2.570 ng

RT: 10.33 min Scan# 1402

Delta R.T. -0.11 min

Lab File: BF121639.D

Acq: 21 Sep 2020 21:42

Instrument :

BNA_F

ClientSampleId :

VNJ-231DL

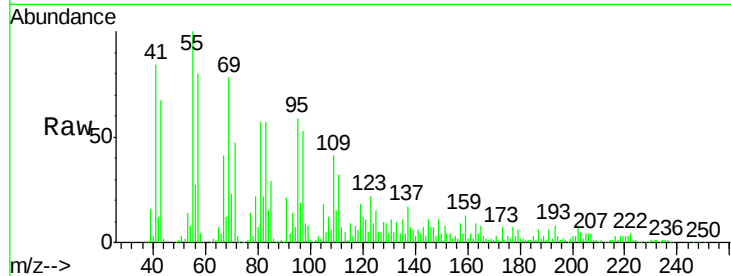
Tot Ion:138 Resp: 11115

Ion Ratio Lower Upper

138 100

92 63.2 34.8 74.8

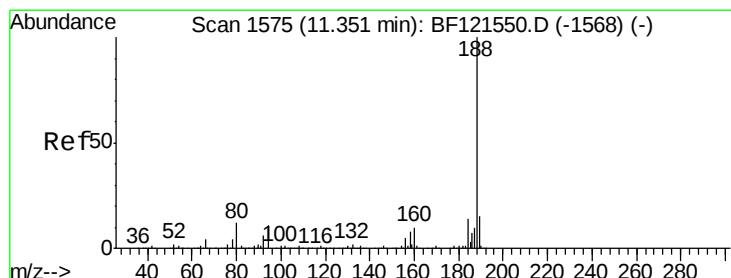
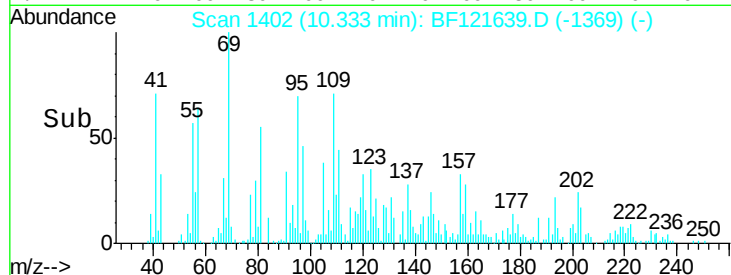
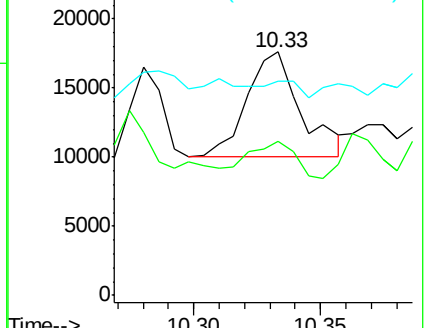
108 88.1 55.5 95.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.04 min

Lab File: BF121639.D

Acq: 21 Sep 2020 21:42

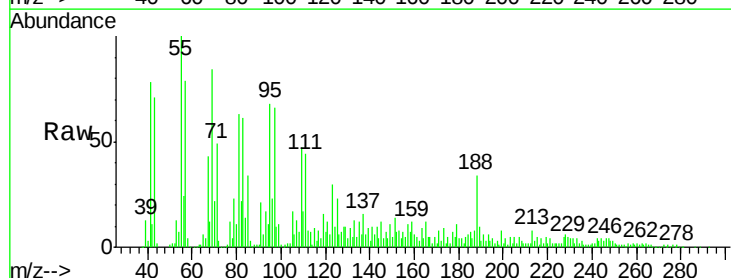
Tgt Ion:188 Resp: 262413

Ion Ratio Lower Upper

188 100

94 32.8 8.4 12.6#

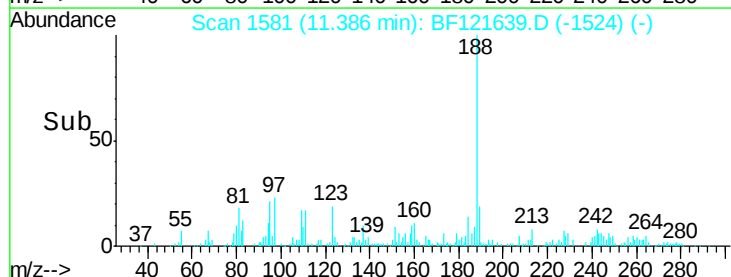
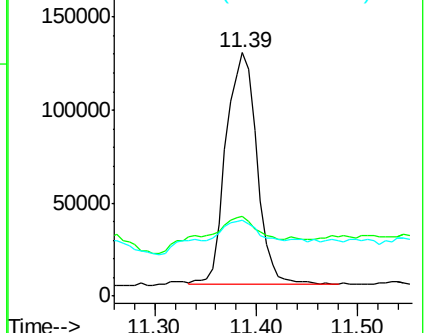
80 31.1 9.0 13.4#

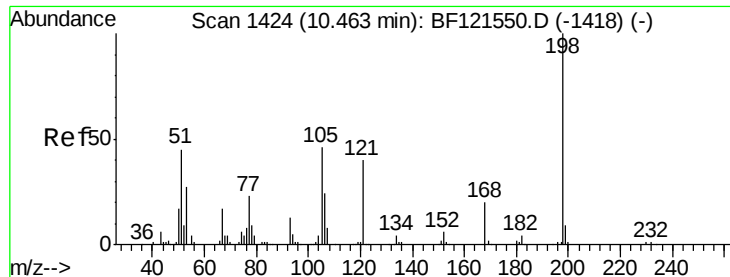


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

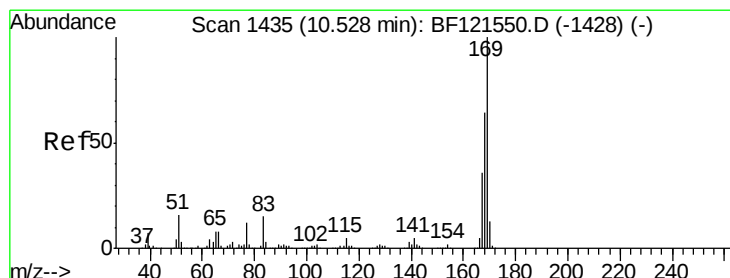
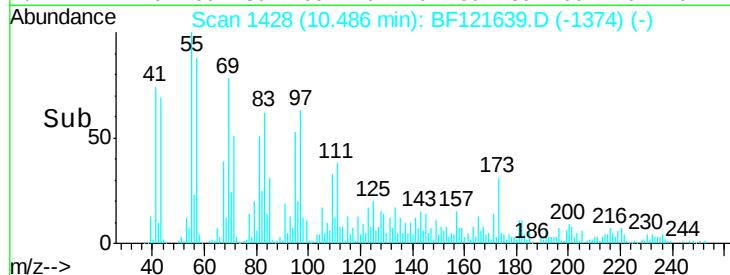
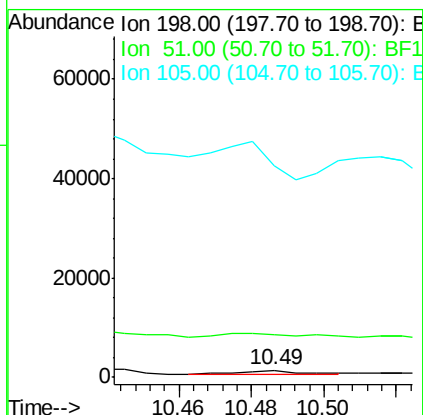
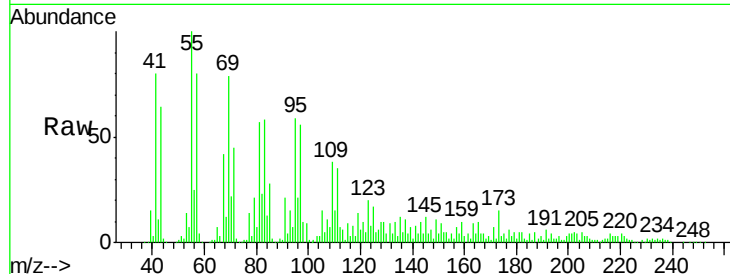




#65
4,6-Dinitro-2-methylphenol
Concen: 7.230 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.02 min
Lab File: BF121639.D
Acq: 21 Sep 2020 21:42

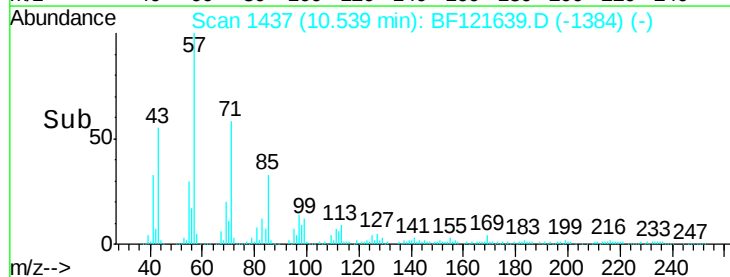
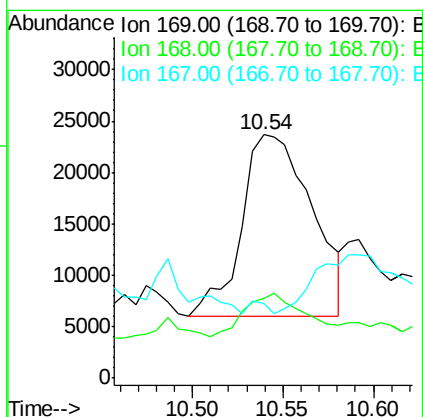
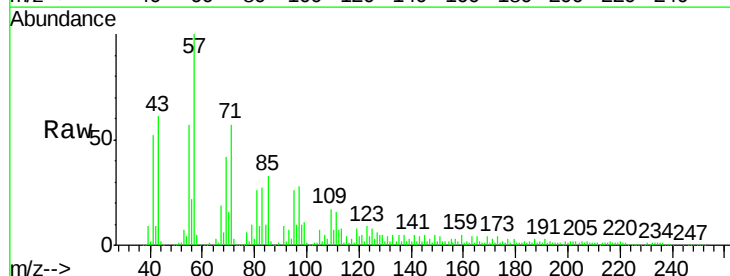
Instrument :
BNA_F
ClientSampleId :
VNJ-231DL

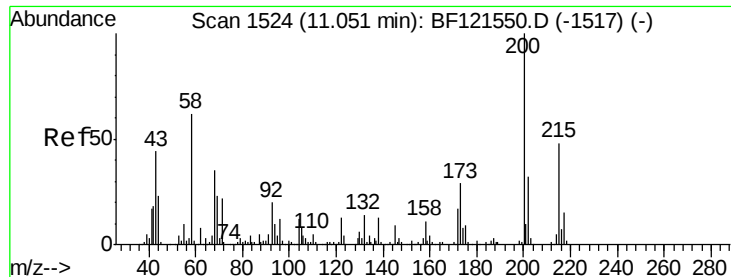
Tot Ion:198 Resp: 710
Ion Ratio Lower Upper
198 100
51 585.9 20.3 60.3#
105 2935.7 20.2 60.2#



#66
n-Nitrosodiphenylamine
Concen: 5.297 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.01 min
Lab File: BF121639.D
Acq: 21 Sep 2020 21:42

Tgt Ion:169 Resp: 47685
Ion Ratio Lower Upper
169 100
168 32.9 51.8 77.8#
167 30.6 28.4 42.6





#69

Atrazine

Concen: 5.586 ng

RT: 11.10 min Scan# 1532

Delta R.T. 0.04 min

Lab File: BF121639.D

Acq: 21 Sep 2020 21:42

Instrument :

BNA_F

ClientSampleId :

VNJ-231DL

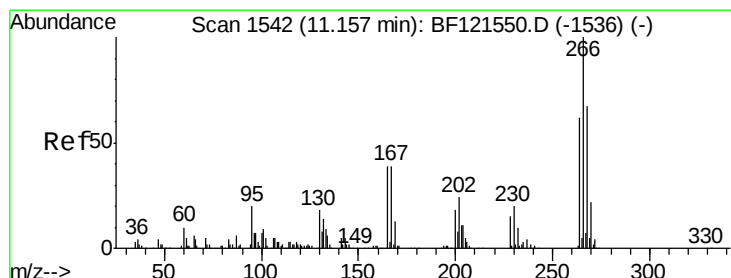
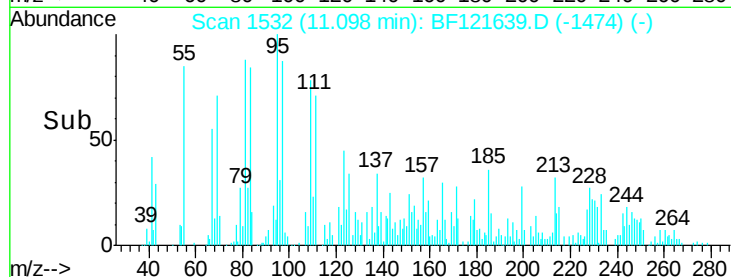
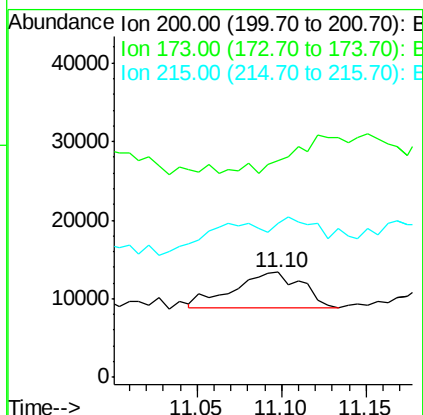
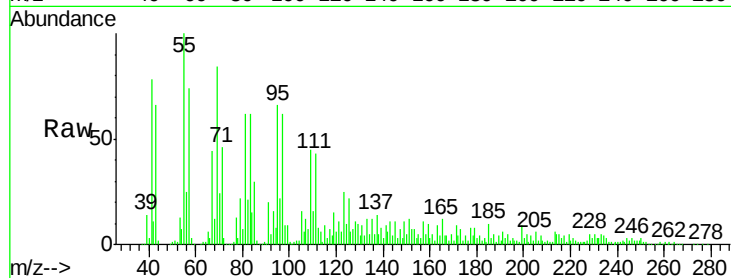
Tot Ion:200 Resp: 12493

Ion Ratio Lower Upper

200 100

173 206.4 6.0 46.0#

215 146.6 28.4 68.4#



#70

Pentachlorophenol

Concen: 2.700 ng

RT: 11.23 min Scan# 1555

Delta R.T. 0.08 min

Lab File: BF121639.D

Acq: 21 Sep 2020 21:42

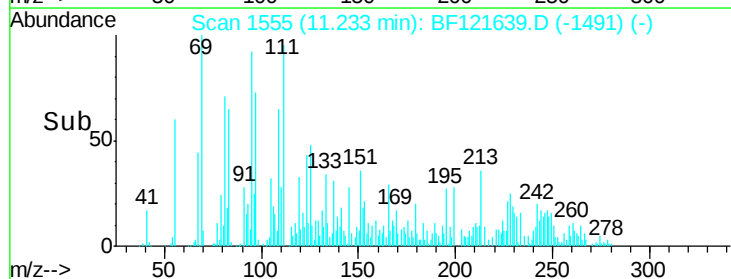
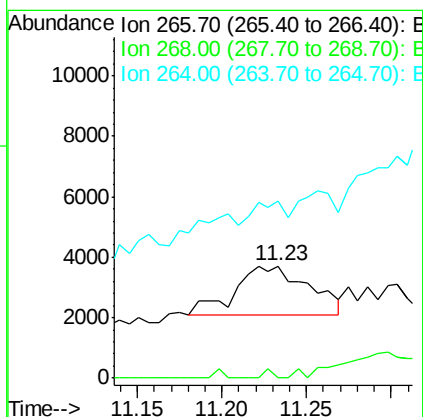
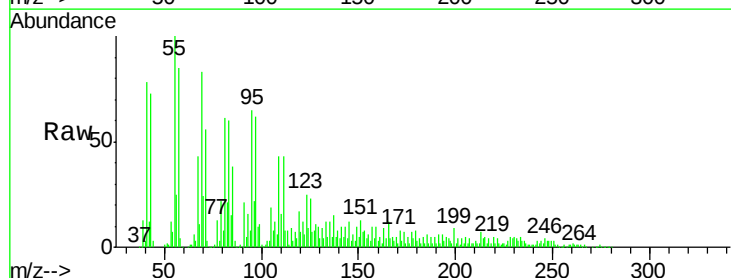
Tgt Ion:266 Resp: 5000

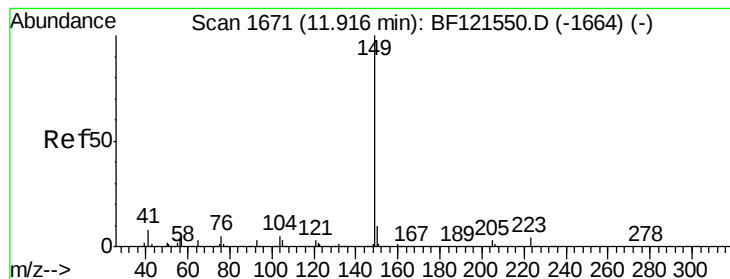
Ion Ratio Lower Upper

266 100

268 0.0 54.6 81.8#

264 158.0 51.1 76.7#





#74

Di-n-butylphthalate

Concen: 40.212 ng

RT: 11.95 min Scan# 1677

Delta R.T. 0.04 min

Lab File: BF121639.D

Acq: 21 Sep 2020 21:42

Instrument :

BNA_F

ClientSampleId :

VNJ-231DL

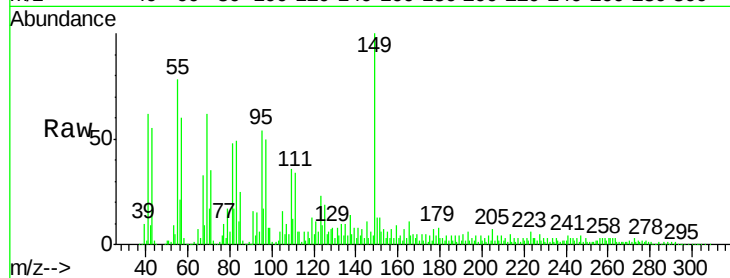
Tot Ion:149 Resp: 617934

Ion Ratio Lower Upper

149 100

150 12.7 7.6 11.4#

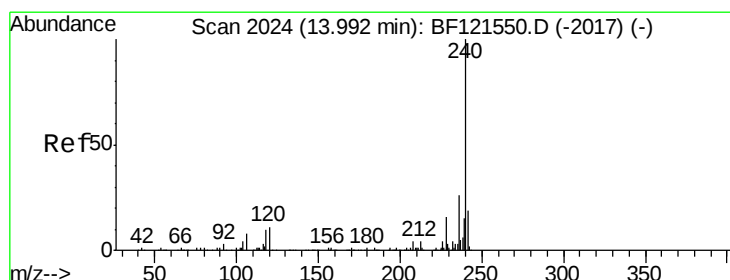
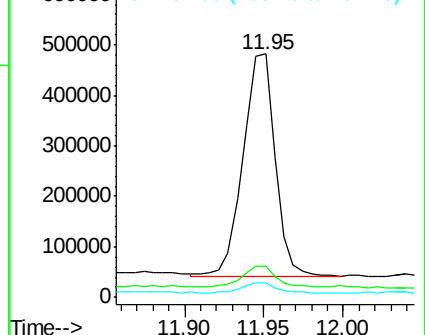
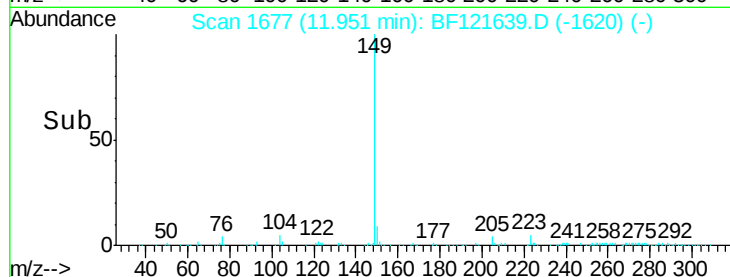
104 6.1 4.2 6.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.02 min

Lab File: BF121639.D

Acq: 21 Sep 2020 21:42

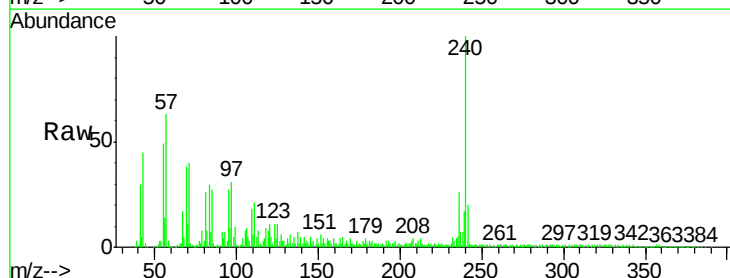
Tgt Ion:240 Resp: 303144

Ion Ratio Lower Upper

240 100

120 10.6 9.2 13.8

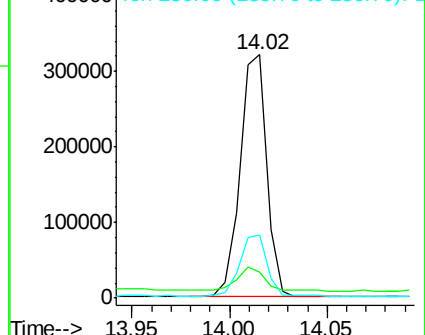
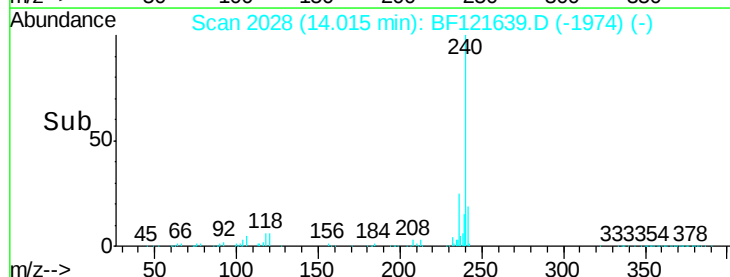
236 25.8 20.4 30.6

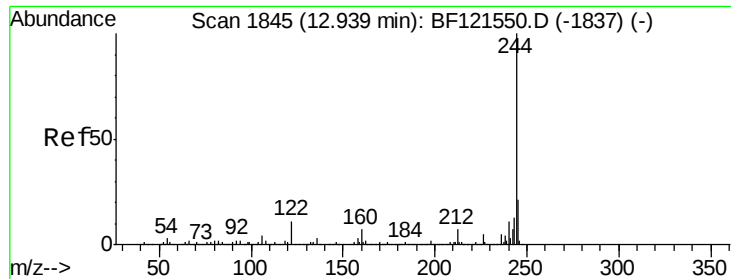


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 10.933 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.02 min

Lab File: BF121639.D

Acq: 21 Sep 2020 21:42

Instrument :

BNA_F

ClientSampleId :

VNJ-231DL

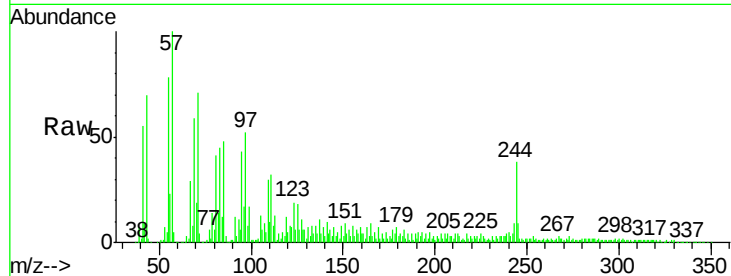
Tot Ion:244 Resp: 163602

Ion Ratio Lower Upper

244 100

212 9.4 5.5 8.3#

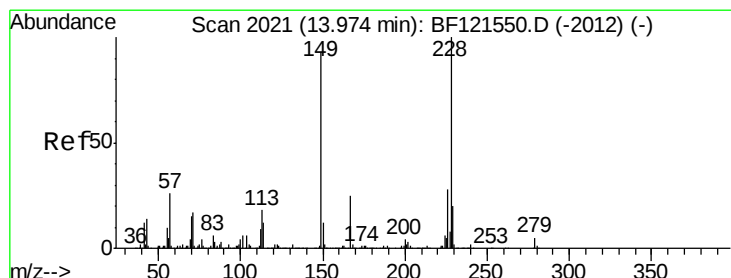
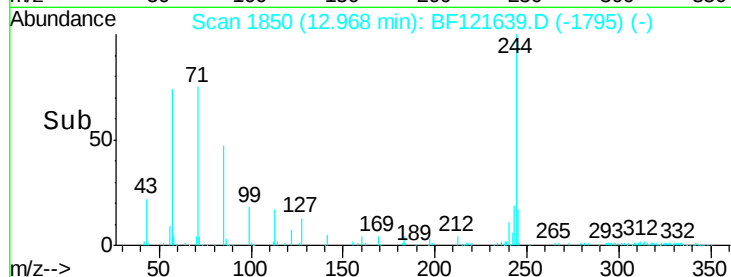
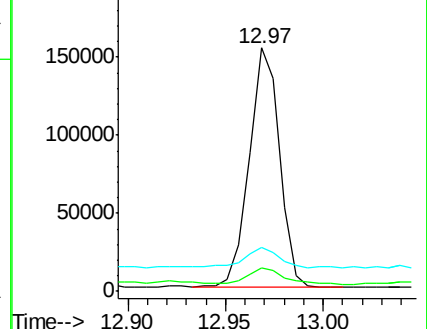
122 17.8 7.4 11.0#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.995 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF121639.D

Acq: 21 Sep 2020 21:42

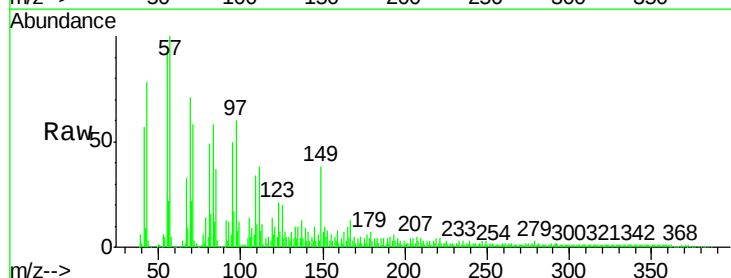
Tgt Ion:149 Resp: 47807

Ion Ratio Lower Upper

149 100

167 34.8 21.3 31.9#

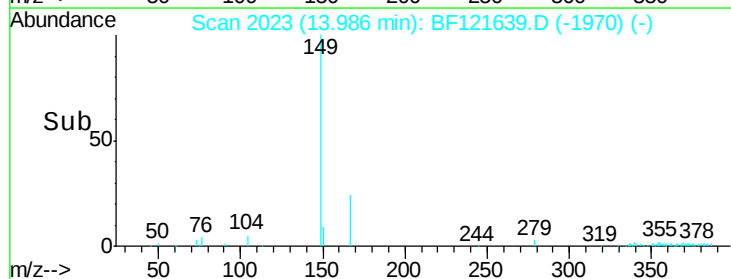
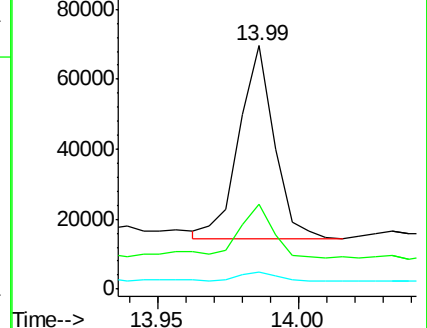
279 7.0 3.4 5.0#

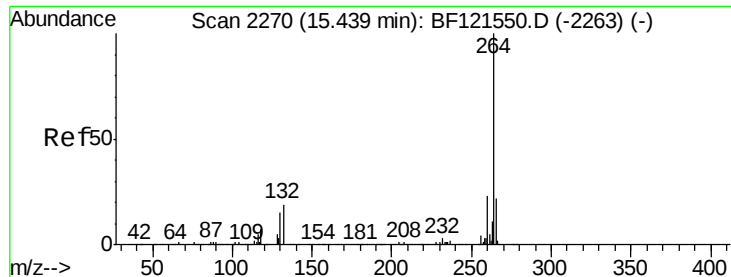


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

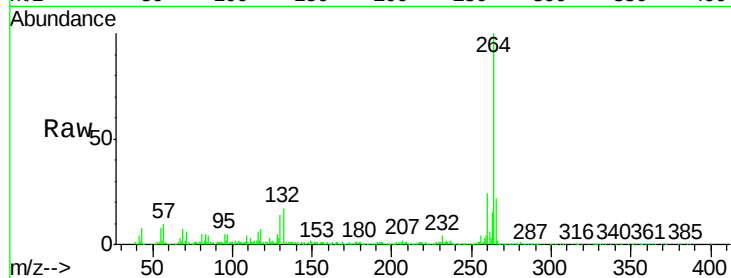




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF121639.D
Acq: 21 Sep 2020 21:42

Instrument :
BNA_F
ClientSampleId :
VNJ-231DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	22.1	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

