

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
 Data File : BF120802.D
 Acq On : 8 Jul 2020 00:05
 Operator : JU/CG
 Sample : L3205-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Quant Time: Jul 08 01:18:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	147993	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	561605	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	287679	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	532635	20.00	ng	0.00
76) Chrysene-d12	14.00	240	375346	20.00	ng	0.00
86) Perylene-d12	15.46	264	299055	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	991728	103.44	ng	0.00
7) Phenol-d6	6.47	99	967539	79.03	ng	0.00
23) Nitrobenzene-d5	7.41	82	1008387	104.03	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	410043	141.88	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1640900	86.30	ng	0.00
79) Terphenyl-d14	12.96	244	1978049	103.18	ng	0.00

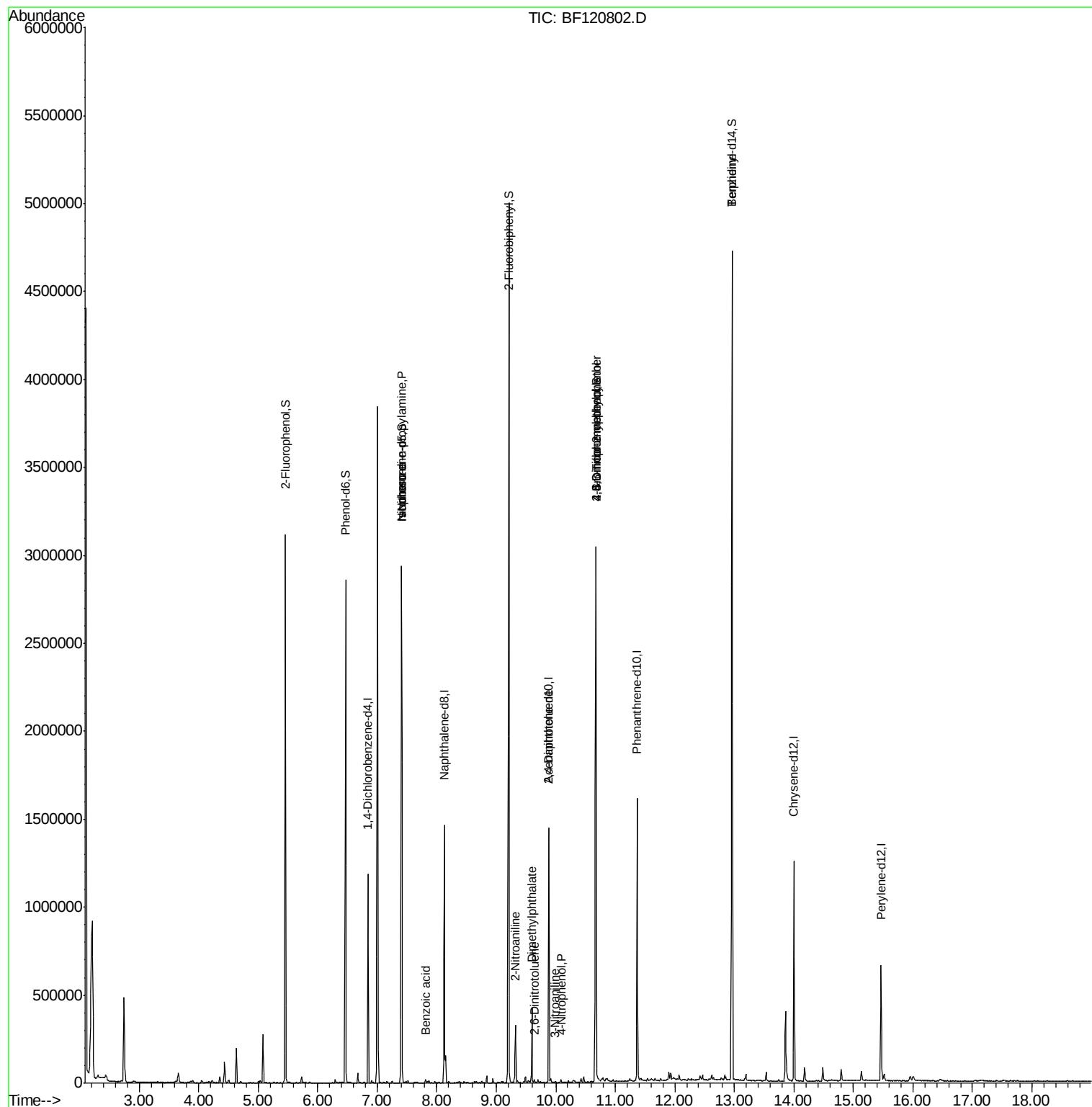
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	137134	18.603	ng	# 77
25) Isophorone	7.41	82	1008179	48.228	ng	# 64
32) Benzoic acid	7.82	122	5838	5.126	ng	# 97
48) 2-Nitroaniline	9.32	65	3222	3.167	ng	# 10
50) Dimethylphthalate	9.60	163	136153	6.488	ng	# 99
51) 2,6-Dinitrotoluene	9.64	165	1440	2.606	ng	# 16
53) 3-Nitroaniline	9.99	138	108	2.184	ng	# 1
56) 4-Nitrophenol	10.09	139	1765	2.538	ng	# 5
57) 2,4-Dinitrotoluene	9.88	165	37214	9.779	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	924	7.360	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	24670	3.993	ng	# 1
77) Benzidine	12.96	184	28652	2.704	ng	# 95

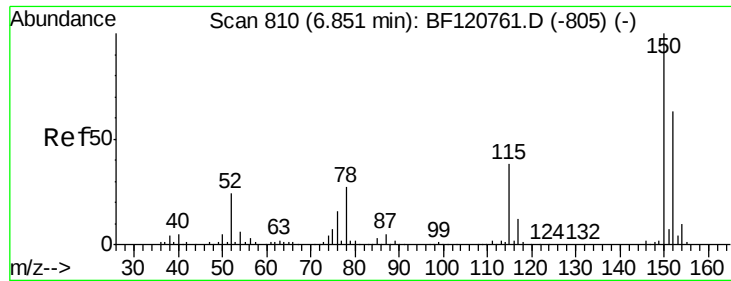
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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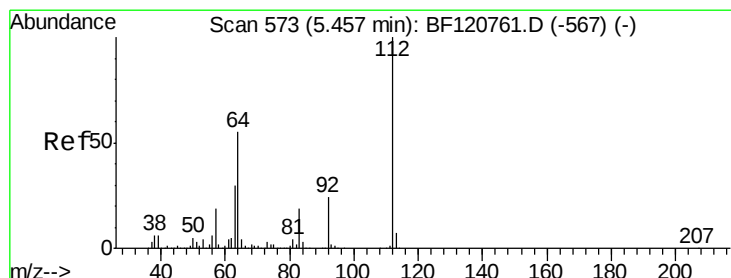
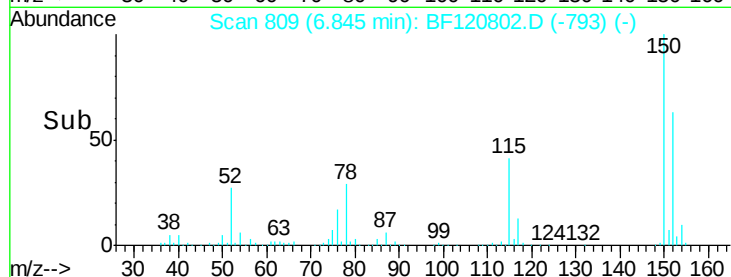
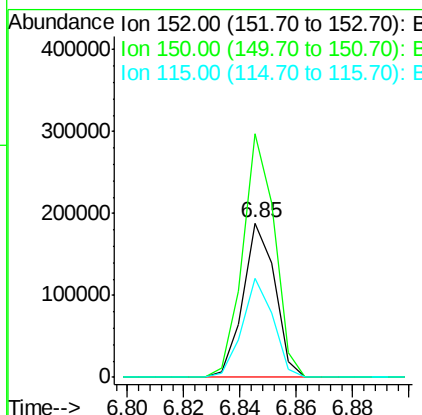
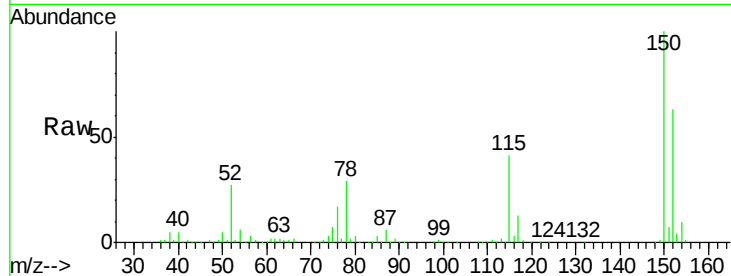




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF120802.D
 Acq: 8 Jul 2020 00:05

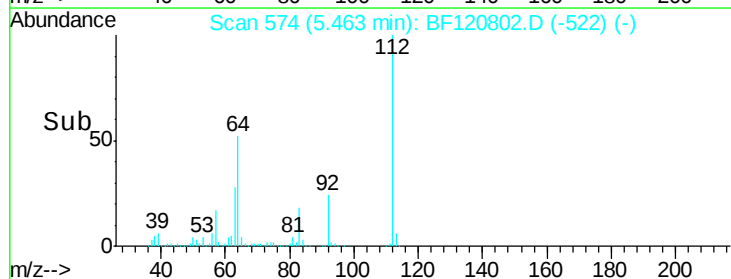
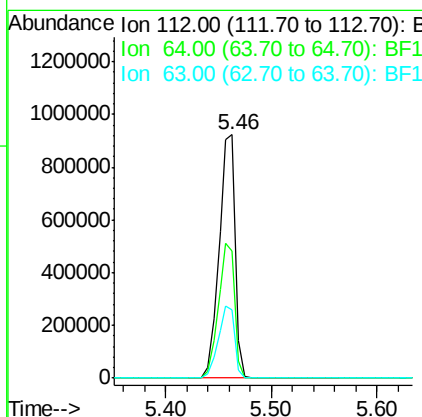
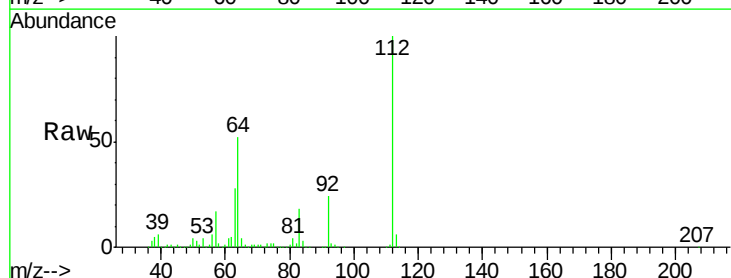
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

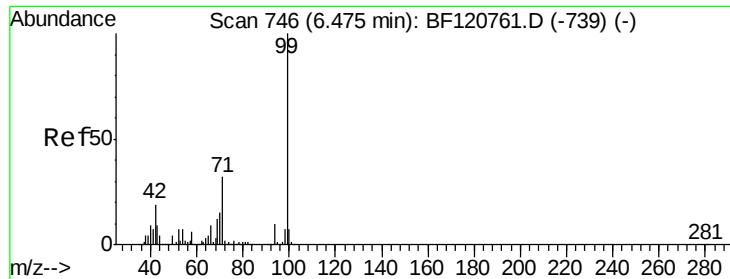
Tot Ion:152 Resp: 147993
 Ion Ratio Lower Upper
 152 100
 150 157.8 126.1 189.1
 115 64.0 48.5 72.7



#5
 2-Fluorophenol
 Concen: 103.443 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.01 min
 Lab File: BF120802.D
 Acq: 8 Jul 2020 00:05

Tgt Ion:112 Resp: 991728
 Ion Ratio Lower Upper
 112 100
 64 52.2 43.8 65.6
 63 27.9 23.6 35.4





#7

Phenol-d6

Concen: 79.026 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120802.D

Acq: 8 Jul 2020 00:05

Instrument :

BNA_F

ClientSampleId :

VNJ-214

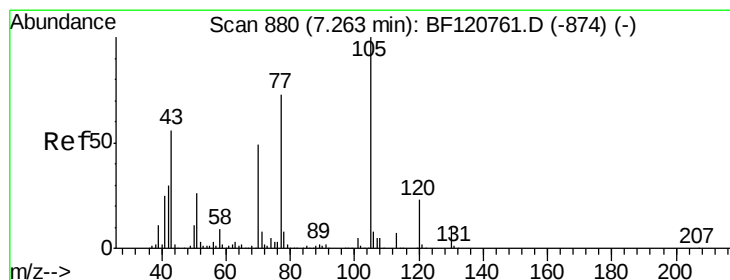
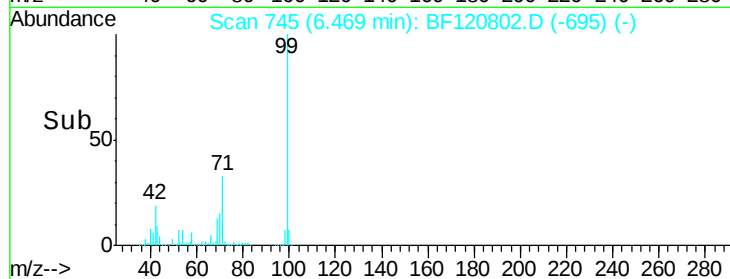
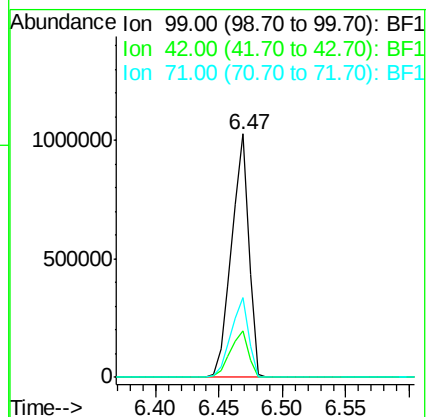
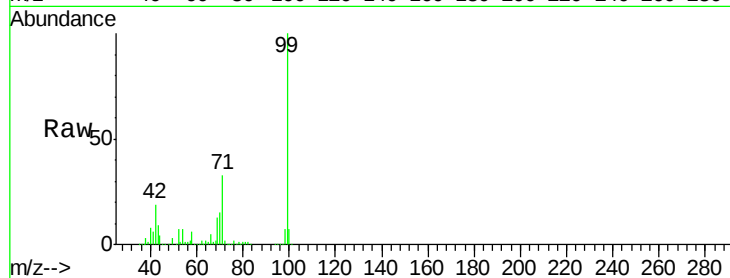
Tot Ion: 99 Resp: 967539

Ion Ratio Lower Upper

99 100

42 19.0 15.4 23.0

71 32.6 25.9 38.9



#19

n-Nitroso-di-n-propylamine

Concen: 18.603 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120802.D

Acq: 8 Jul 2020 00:05

Tgt Ion: 70 Resp: 137134

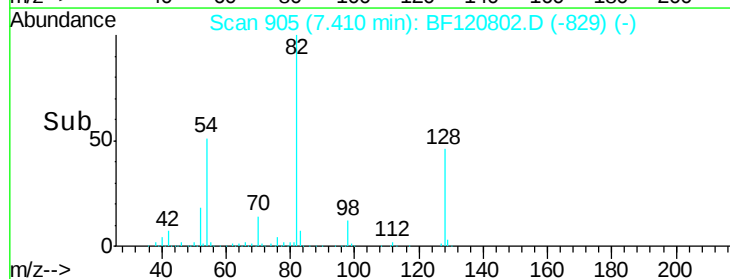
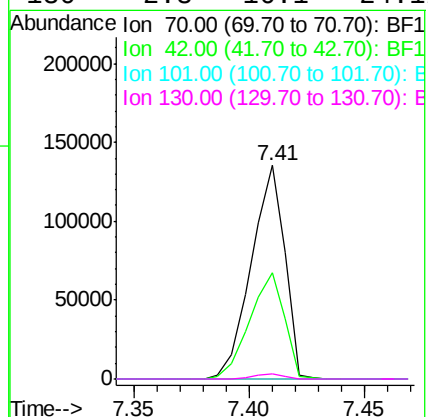
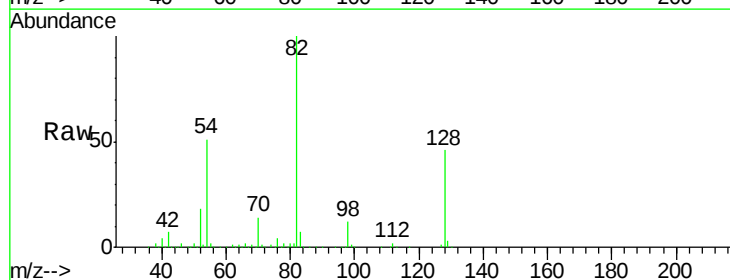
Ion Ratio Lower Upper

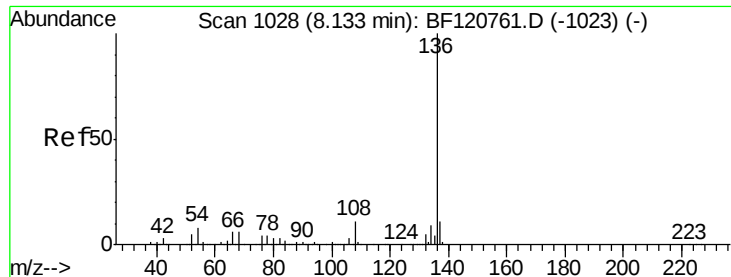
70 100

42 49.6 50.3 75.5#

101 0.0 7.5 11.3#

130 2.3 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120802.D

Acq: 8 Jul 2020 00:05

Instrument :

BNA_F

ClientSampleId :

VNJ-214

Tot Ion:136 Resp: 561605

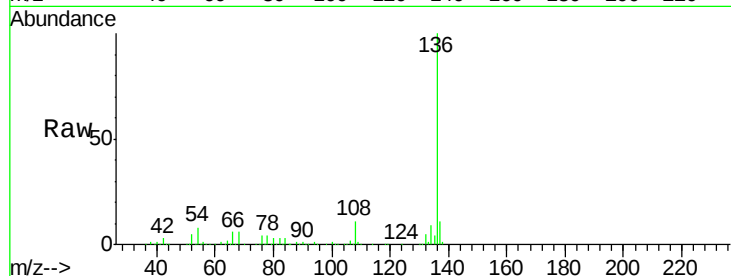
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 8.1 6.2 9.4

68 5.7 4.7 7.1

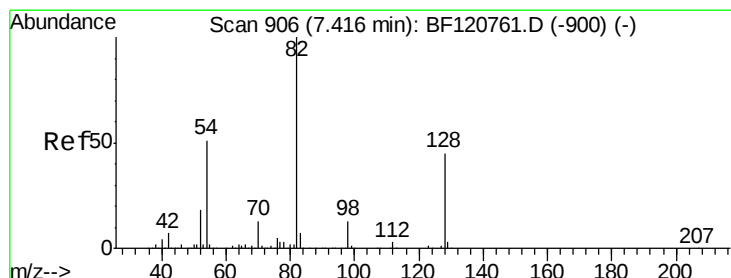
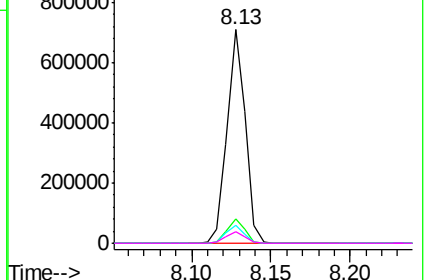
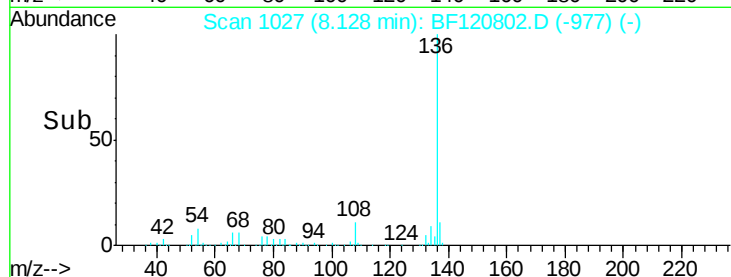


Abundance Ion 136.00 (135.70 to 136.70): E

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: 104.030 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF120802.D

Acq: 8 Jul 2020 00:05

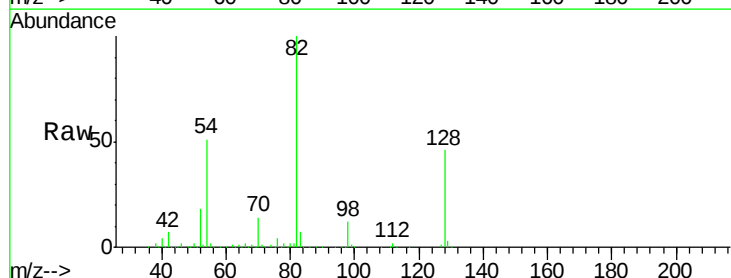
Tgt Ion: 82 Resp: 1008387

Ion Ratio Lower Upper

82 100

128 45.8 35.7 53.5

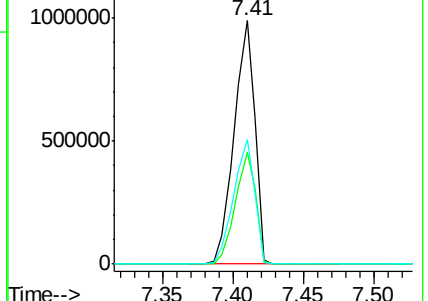
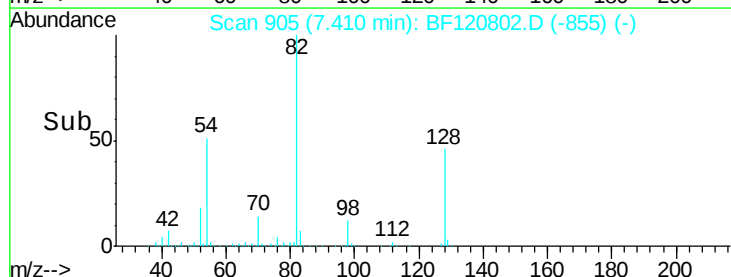
54 51.1 40.9 61.3

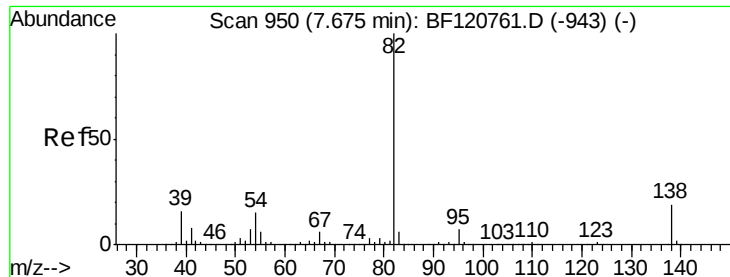


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.228 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120802.D

Acq: 8 Jul 2020 00:05

Instrument :

BNA_F

ClientSampleId :

VNJ-214

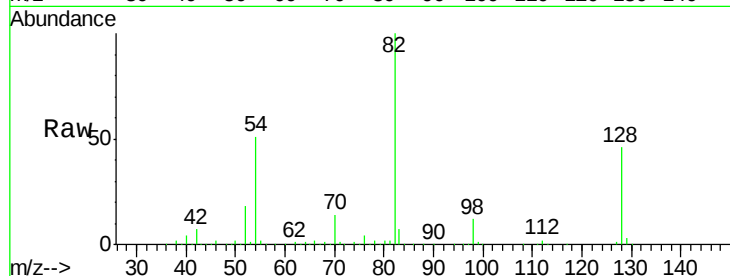
Tot Ion: 82 Resp: 1008179

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

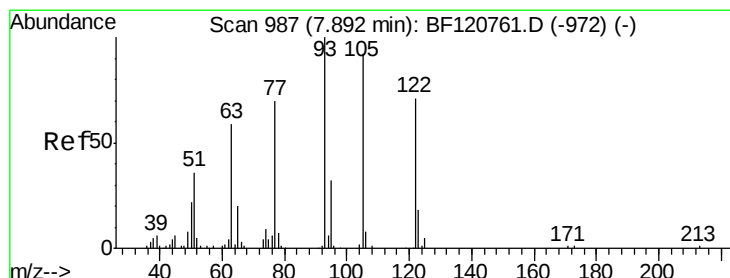
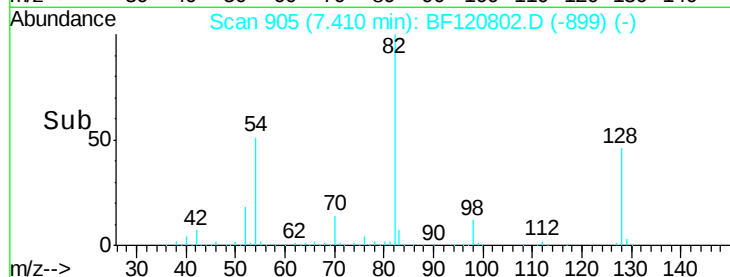
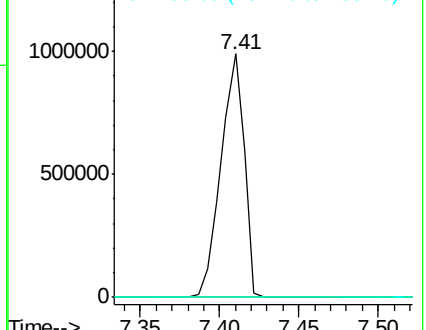
138 0.0 15.0 22.4#



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



#32

Benzoic acid

Concen: 5.126 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF120802.D

Acq: 8 Jul 2020 00:05

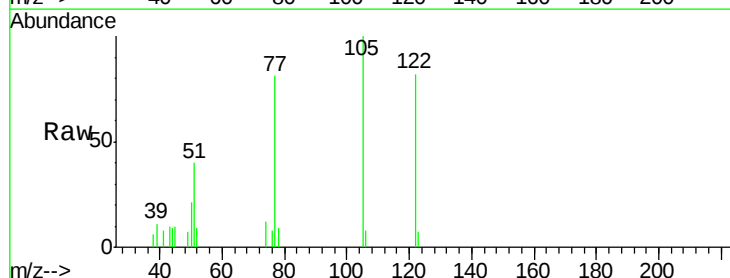
Tgt Ion: 122 Resp: 5838

Ion Ratio Lower Upper

122 100

105 122.3 105.8 145.8

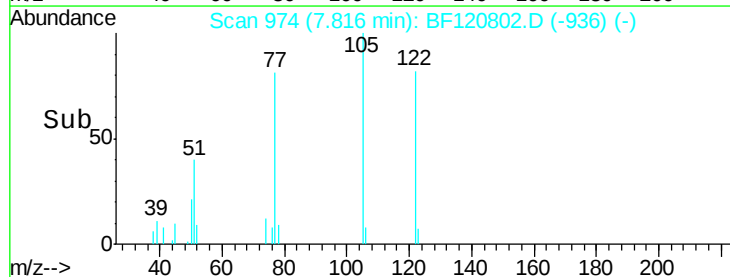
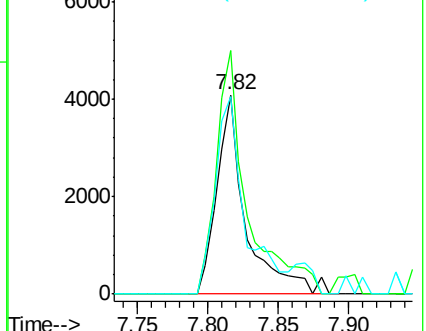
77 99.4 77.3 117.3

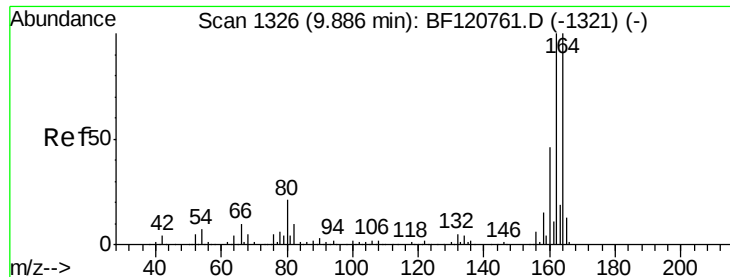


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF120802.D

Acq: 8 Jul 2020 00:05

Instrument :

BNA_F

ClientSampled :

VNJ-214

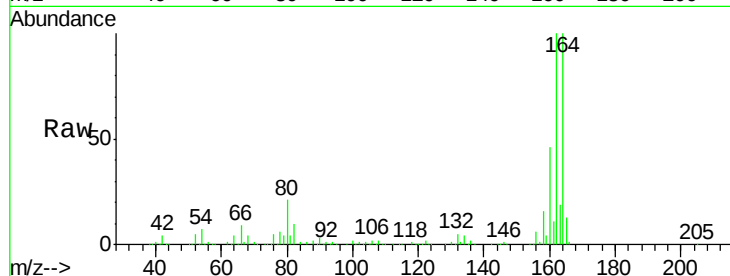
Tot Ion:164 Resp: 287679

Ion Ratio Lower Upper

164 100

162 99.8 80.2 120.2

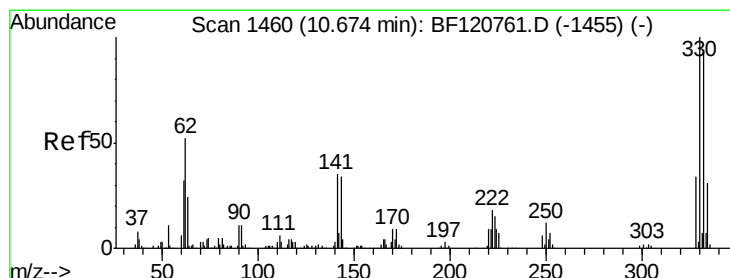
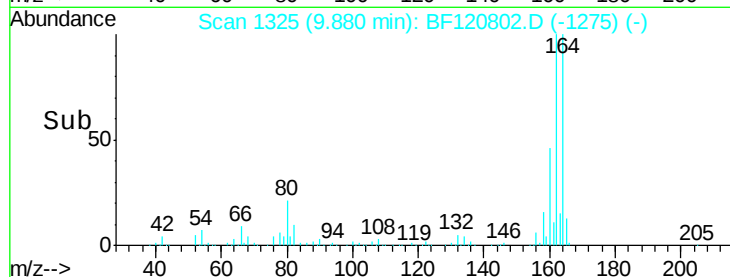
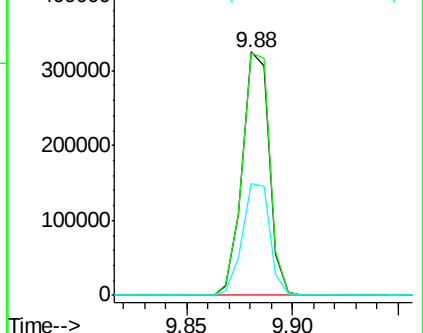
160 46.1 36.9 55.3



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: 141.876 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF120802.D

Acq: 8 Jul 2020 00:05

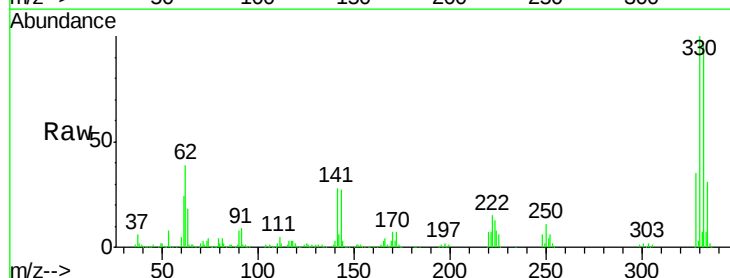
Tgt Ion:330 Resp: 410043

Ion Ratio Lower Upper

330 100

332 95.8 75.8 113.6

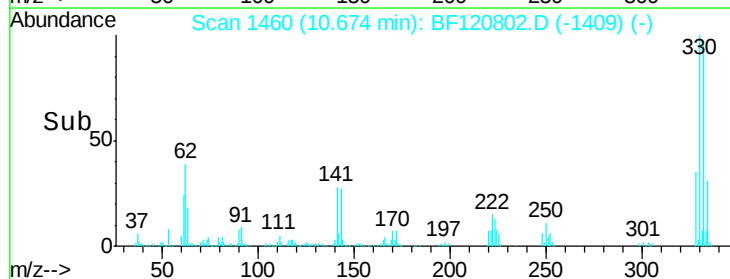
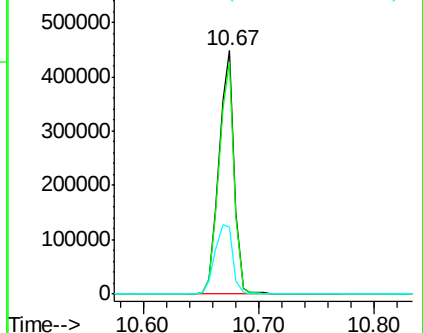
141 34.1 29.7 44.5

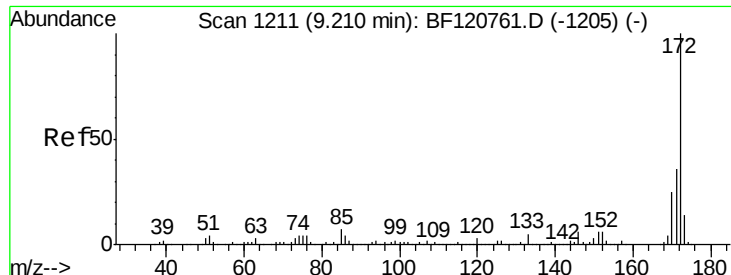


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

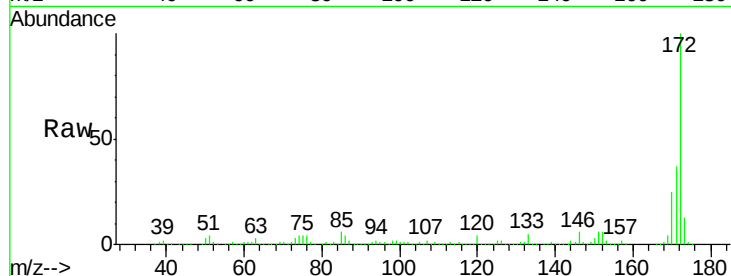




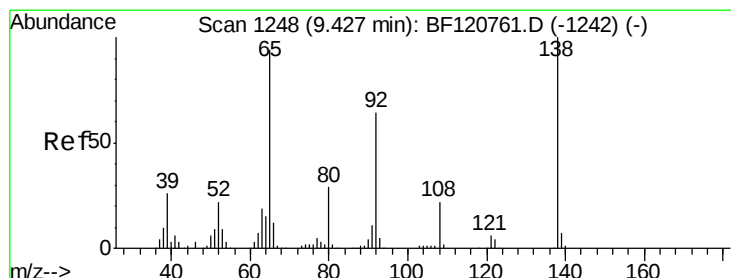
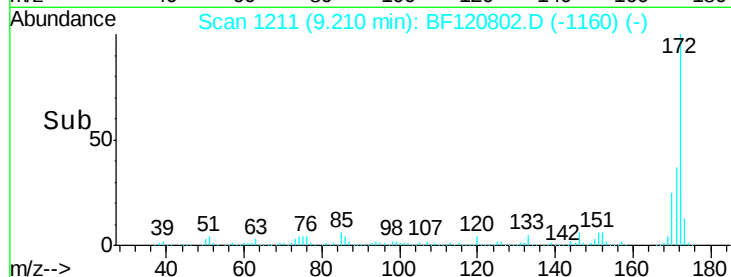
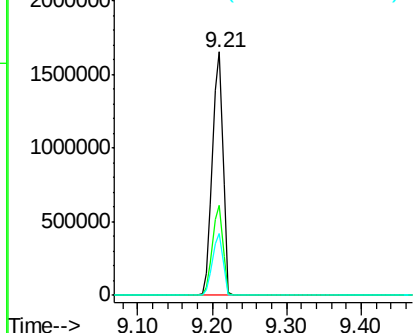
#45
 2-Fluorobiphenyl
 Concen: 86.297 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF120802.D
 Acq: 8 Jul 2020 00:05

Instrument :
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 VNJ-214

Tot Ion:172 Resp: 1640900
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.1 43.7
 170 25.3 19.8 29.6

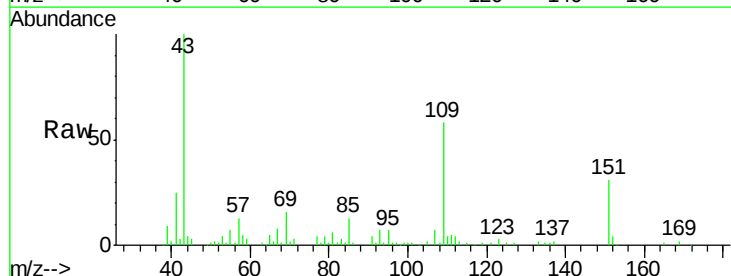


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

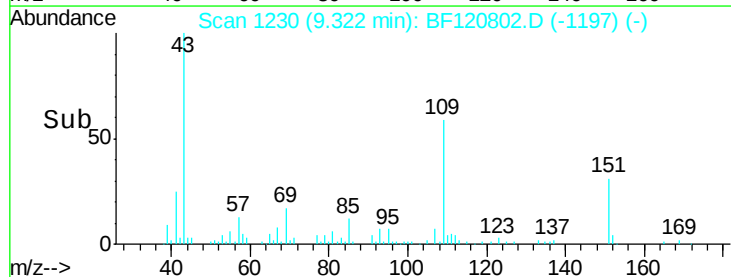
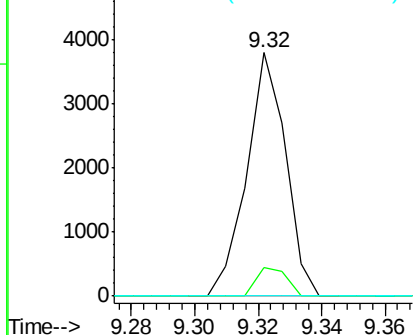


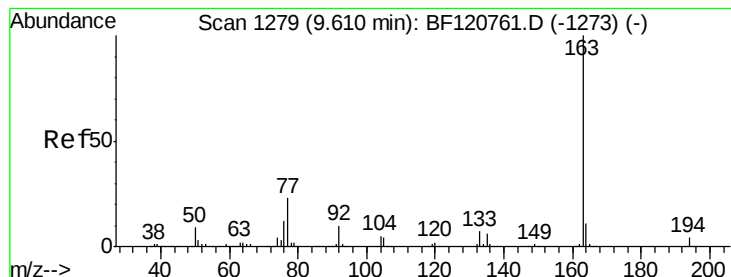
#48
 2-Nitroaniline
 Concen: 3.167 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.11 min
 Lab File: BF120802.D
 Acq: 8 Jul 2020 00:05

Tgt Ion: 65 Resp: 3222
 Ion Ratio Lower Upper
 65 100
 92 11.5 54.4 81.6#
 138 0.0 84.7 127.1#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#50

Dimethylphthalate

Concen: 6.488 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF120802.D

Acq: 8 Jul 2020 00:05

Instrument :

BNA_F

ClientSampleID :

VNJ-214

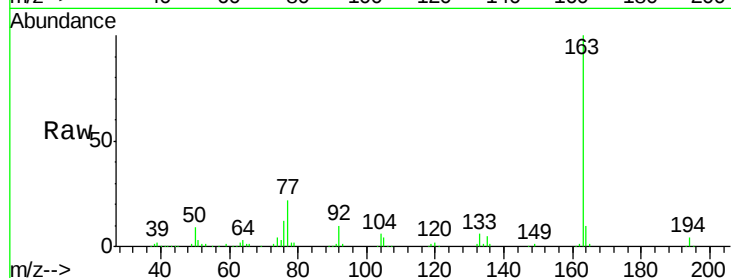
Tot Ion:163 Resp: 136153

Ion Ratio Lower Upper

163 100

194 3.5 2.9 4.3

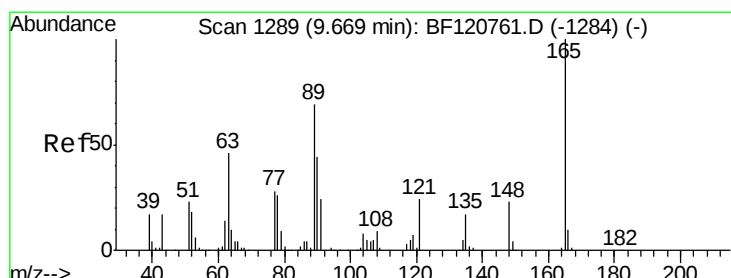
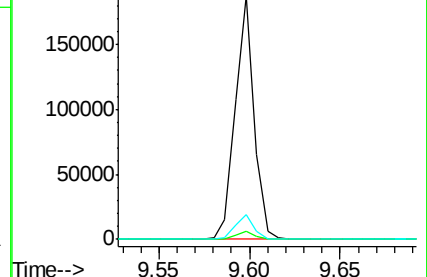
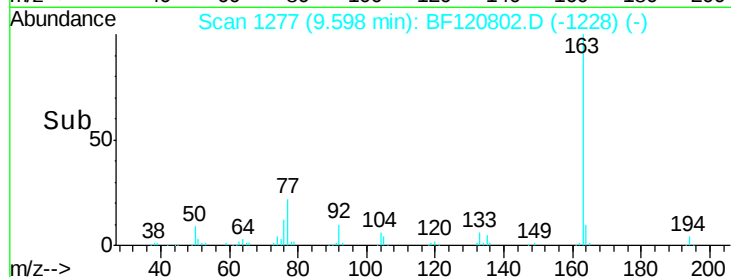
164 10.0 8.5 12.7



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: 2.606 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.03 min

Lab File: BF120802.D

Acq: 8 Jul 2020 00:05

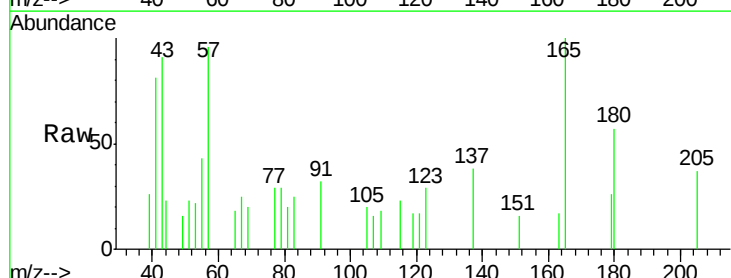
Tgt Ion:165 Resp: 1440

Ion Ratio Lower Upper

165 100

63 0.0 54.0 81.0#

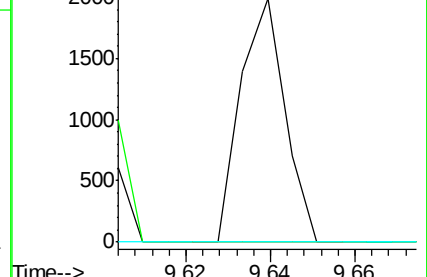
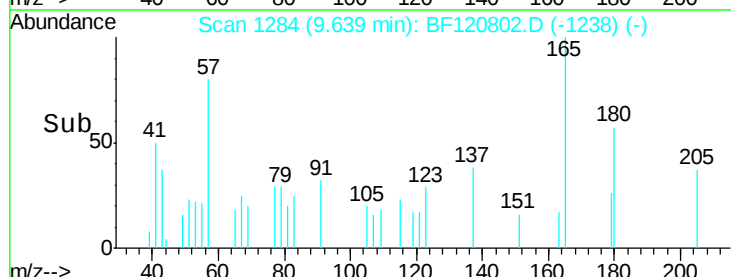
89 0.0 55.4 83.2#

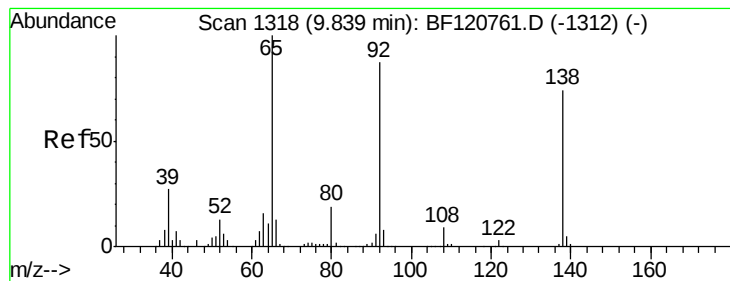


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#53

3-Nitroaniline

Concen: 2.184 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.15 min

Lab File: BF120802.D

Acq: 8 Jul 2020 00:05

Instrument :

BNA_F

ClientSampleId :

VNJ-214

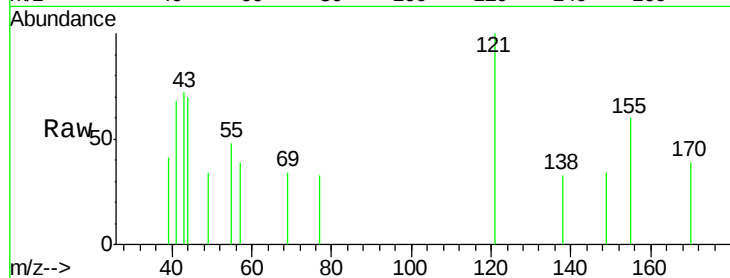
Tot Ion:138 Resp: 108

Ion Ratio Lower Upper

138 100

108 0.0 9.8 14.6#

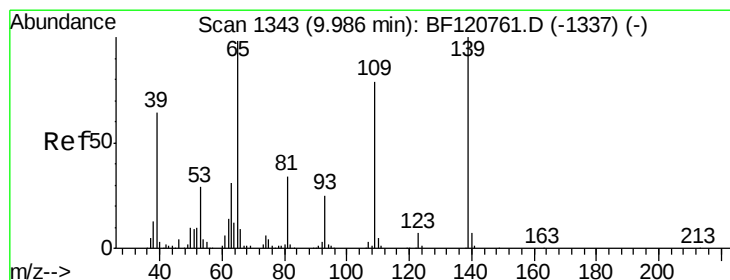
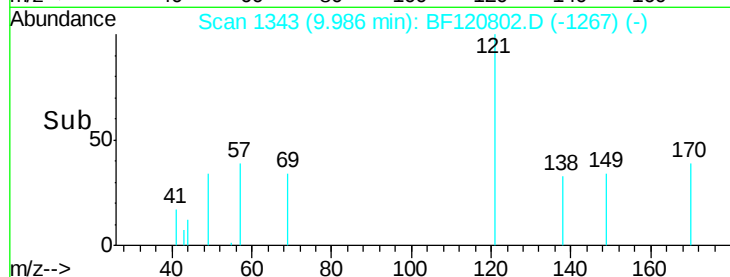
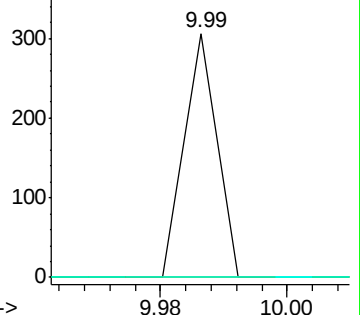
92 0.0 93.4 140.2#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#56

4-Nitrophenol

Concen: 2.538 ng

RT: 10.09 min Scan# 1360

Delta R.T. 0.10 min

Lab File: BF120802.D

Acq: 8 Jul 2020 00:05

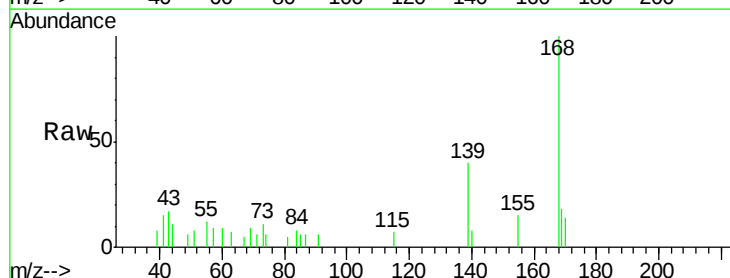
Tgt Ion:139 Resp: 1765

Ion Ratio Lower Upper

139 100

109 0.0 58.6 98.6#

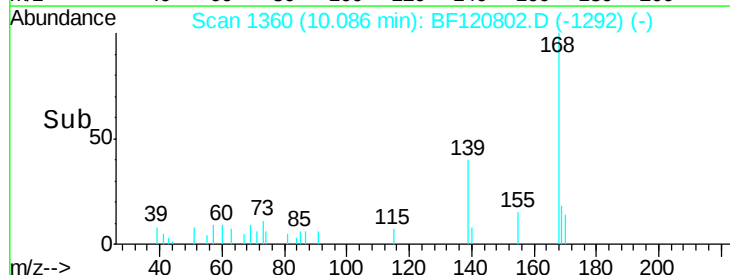
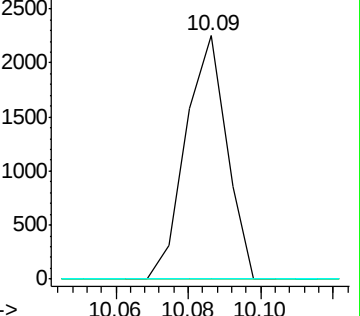
65 0.0 78.7 118.7#

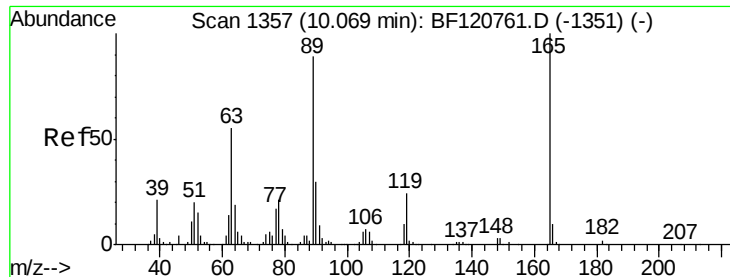


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

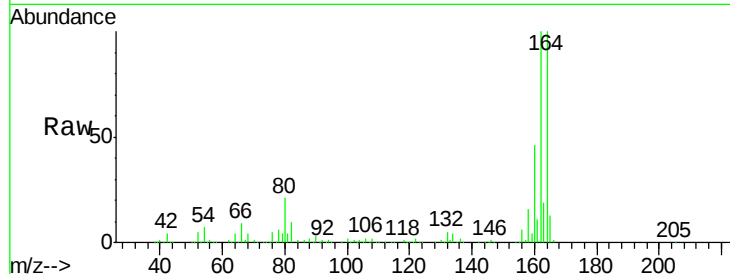




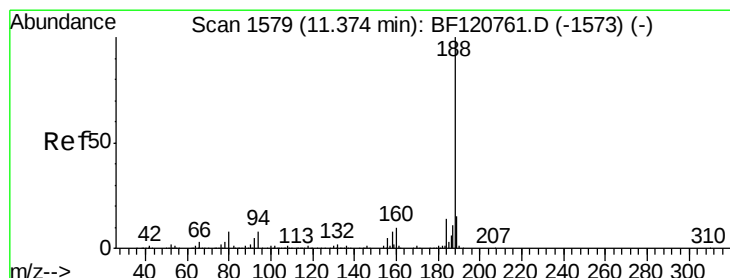
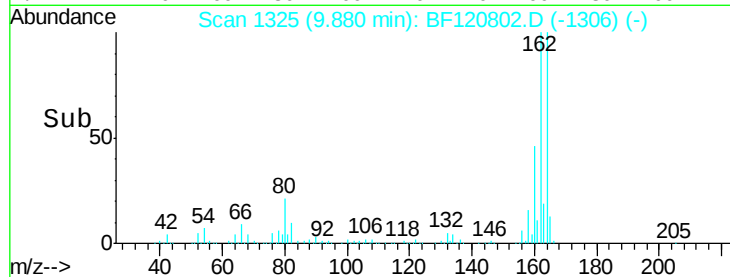
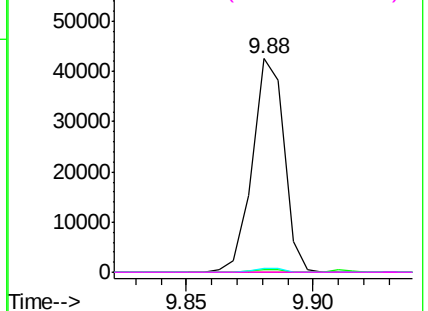
#57
2,4-Dinitrotoluene
Concen: 9.779 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF120802.D
Acq: 8 Jul 2020 00:05

Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tot Ion:165 Resp: 37214
Ion Ratio Lower Upper
165 100
63 1.2 43.8 65.8#
89 1.7 71.4 107.2#
182 0.0 1.8 2.6#

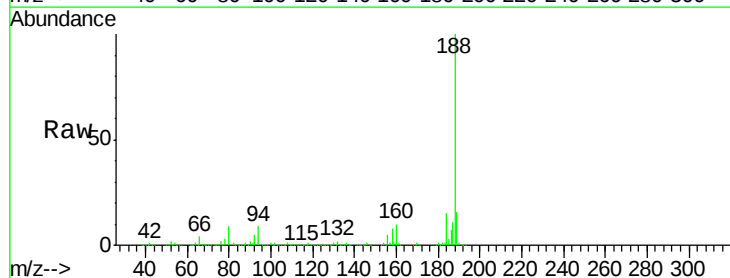


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

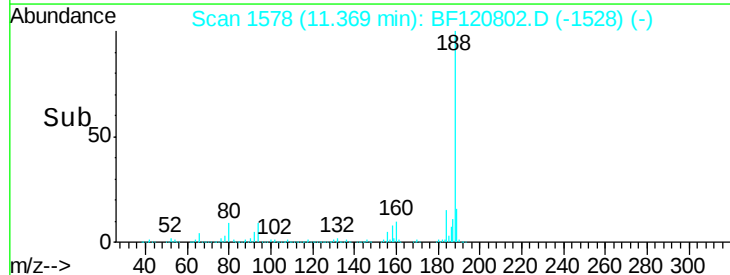
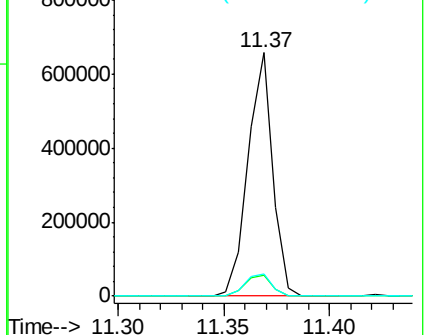


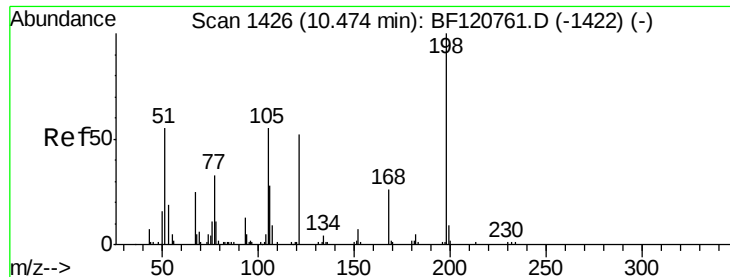
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF120802.D
Acq: 8 Jul 2020 00:05

Tgt Ion:188 Resp: 532635
Ion Ratio Lower Upper
188 100
94 8.7 6.6 9.8
80 9.0 6.6 10.0



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





#65

4,6-Dinitro-2-methylphenol

Concen: 7.360 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.20 min

Lab File: BF120802.D

Acq: 8 Jul 2020 00:05

Instrument :

BNA_F

ClientSampleId :

VNJ-214

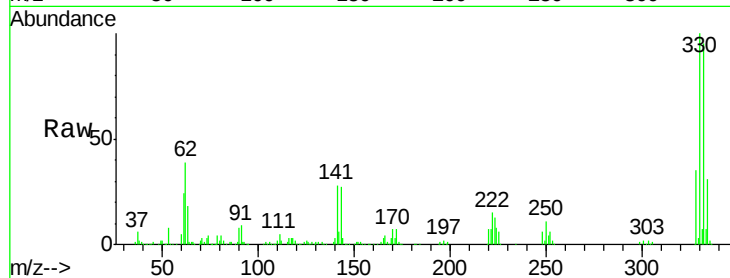
Tot Ion:198 Resp: 924

Ion Ratio Lower Upper

198 100

51 164.4 50.0 90.0#

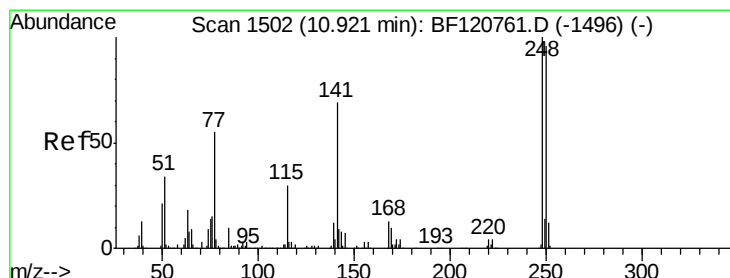
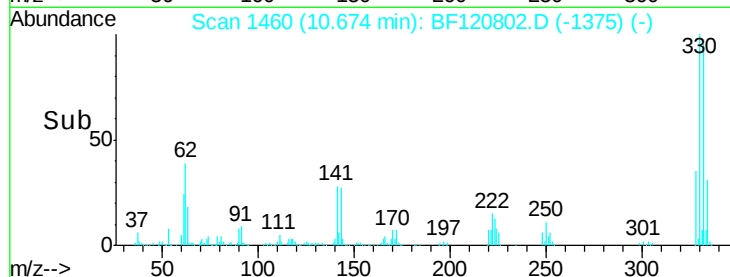
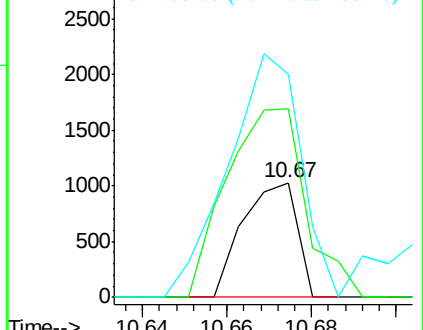
105 194.4 38.3 78.3#



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: 3.993 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.25 min

Lab File: BF120802.D

Acq: 8 Jul 2020 00:05

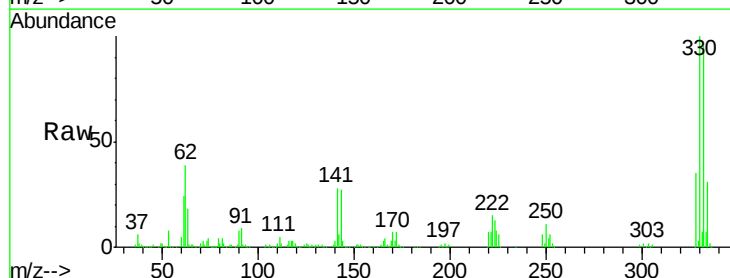
Tgt Ion:248 Resp: 24670

Ion Ratio Lower Upper

248 100

250 202.4 76.5 114.7#

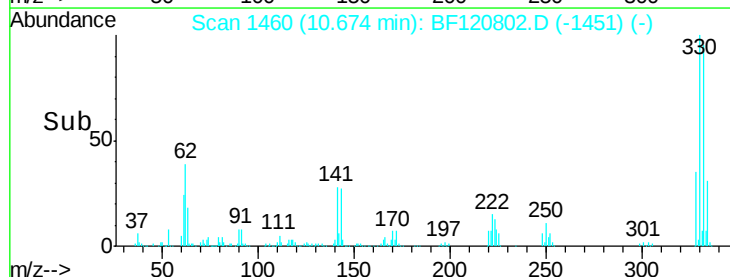
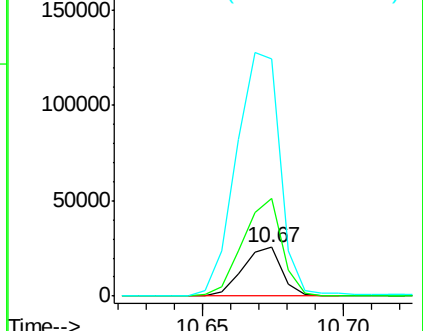
141 488.5 54.9 82.3#

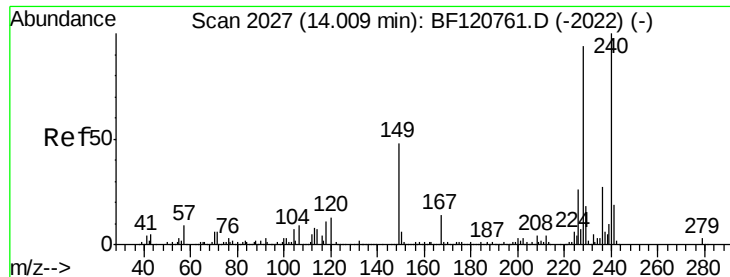


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

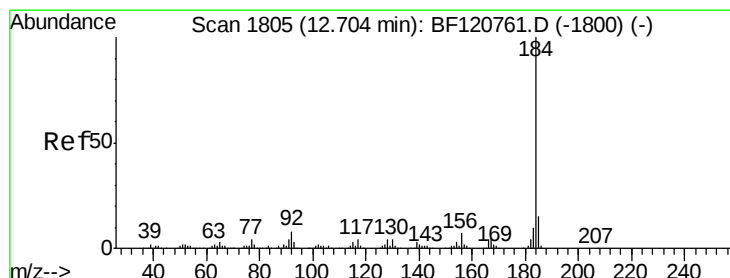
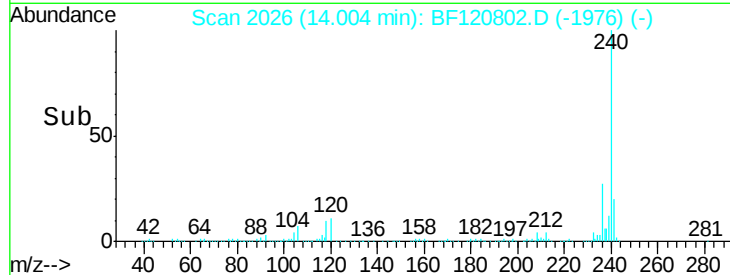
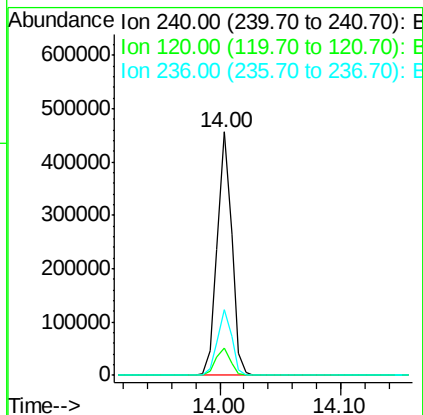
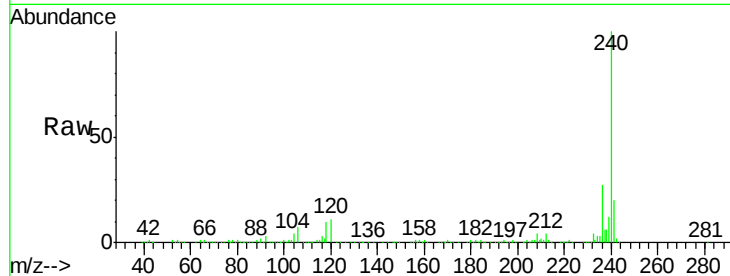




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120802.D
Acq: 8 Jul 2020 00:05

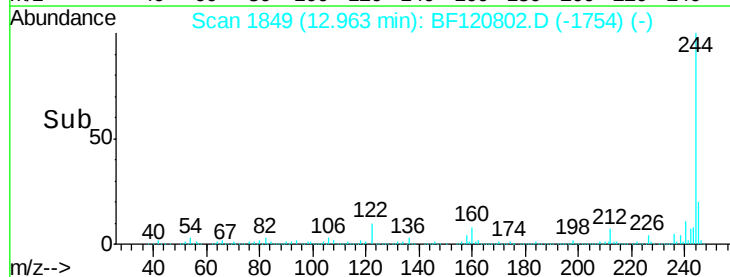
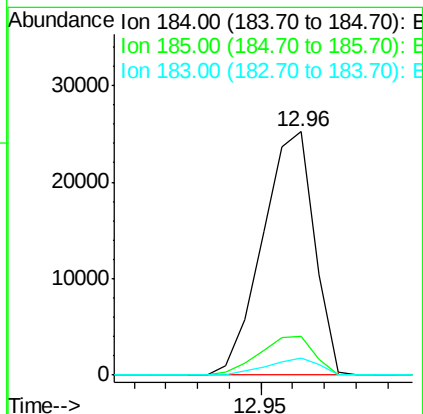
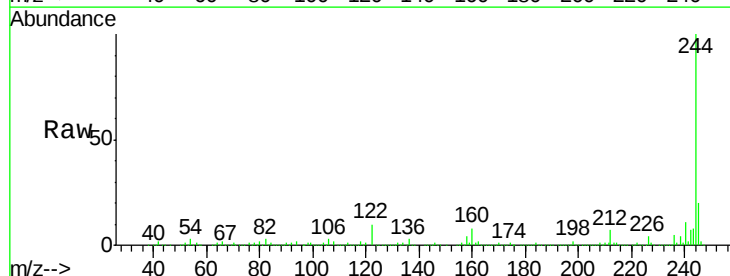
Instrument :
BNA_F
ClientSampleId :
VNJ-214

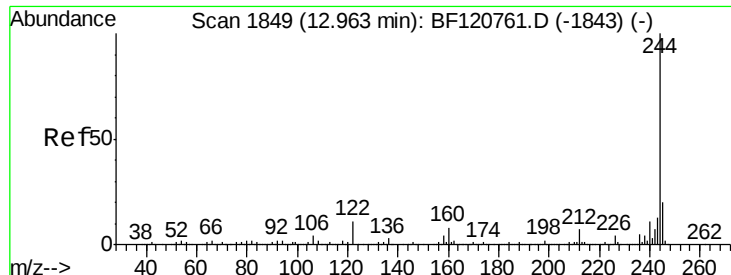
Tot Ion:240 Resp: 375346
Ion Ratio Lower Upper
240 100
120 11.1 10.3 15.5
236 26.7 21.4 32.2



#77
Benzidine
Concen: 2.704 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.26 min
Lab File: BF120802.D
Acq: 8 Jul 2020 00:05

Tgt Ion:184 Resp: 28652
Ion Ratio Lower Upper
184 100
185 15.8 11.8 17.8
183 6.9 8.3 12.5#





#79

Terphenyl-d14

Concen: 103.179 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF120802.D

Acq: 8 Jul 2020 00:05

Instrument :

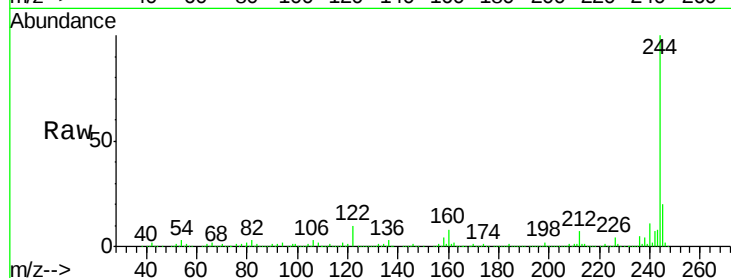
BNA_F

ClientSampleId :

VNJ-214

Tot Ion:244 Resp: 1978049

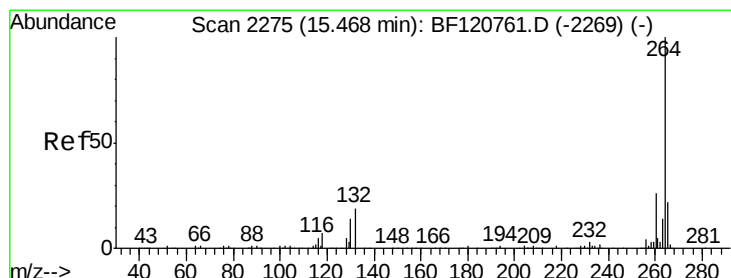
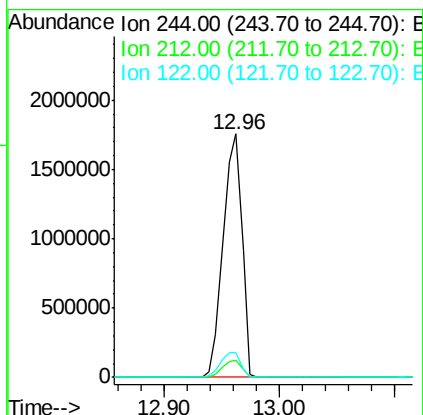
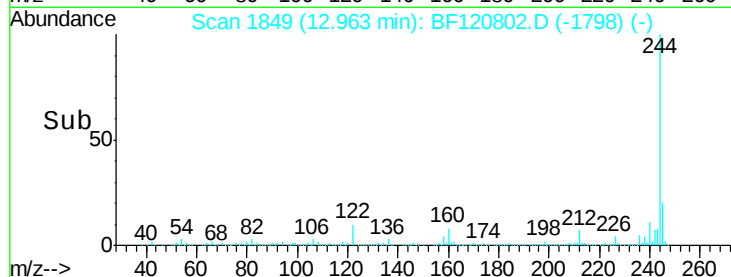
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	10.3	9.0	13.4



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# 2274

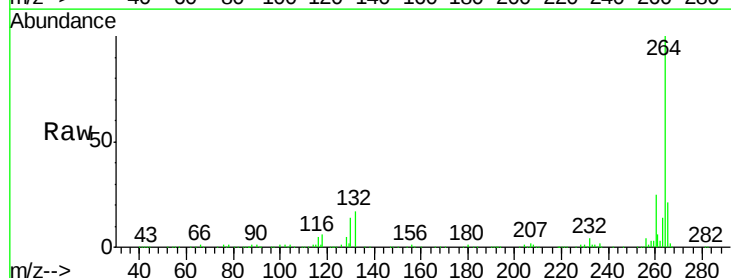
Delta R.T. -0.01 min

Lab File: BF120802.D

Acq: 8 Jul 2020 00:05

Tgt Ion:264 Resp: 299055

Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.6	30.8
265	21.4	17.6	26.4



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

