

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012422\
 Data File : BF126641.D
 Acq On : 24 Jan 2022 16:17
 Operator : CG/JU
 Sample : N1224-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AREA-2-COMPOSITE

Quant Time: Jan 25 03:13:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 19 07:04:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

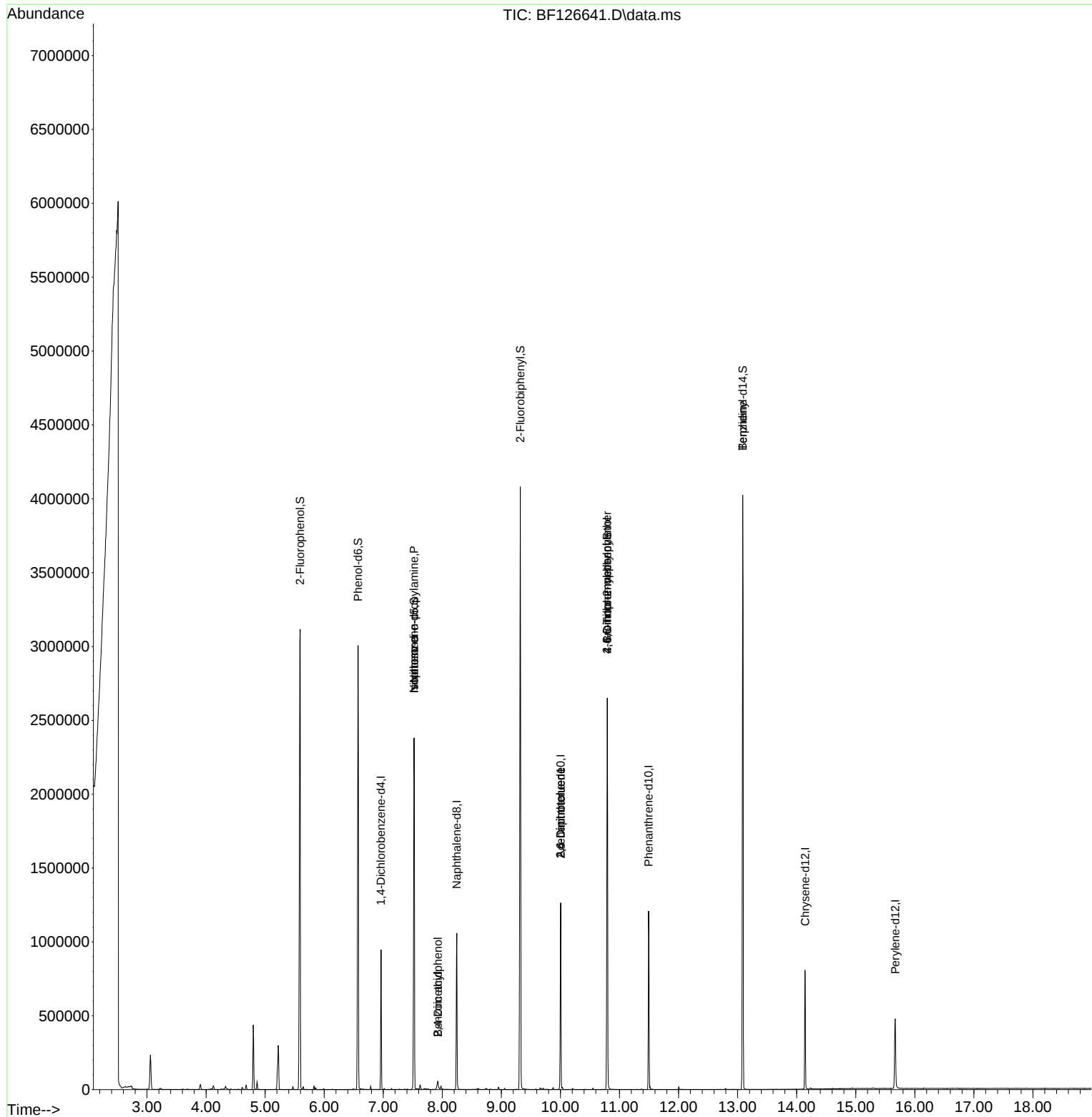
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	109518	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	420832	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	232744	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	391921	20.000	ng	0.00
76) Chrysene-d12	14.145	240	281322	20.000	ng	# 0.00
86) Perylene-d12	15.668	264	233472	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	880400	105.783	ng	0.01
7) Phenol-d6	6.575	99	1084884	93.821	ng	0.00
23) Nitrobenzene-d5	7.522	82	954800	88.805	ng	-0.01
42) 2,4,6-Tribromophenol	10.792	330	270631	124.250	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1200043	78.965	ng	0.00
79) Terphenyl-d14	13.086	244	1367347	81.522	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.516	77	115	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.522	70	133325	15.798	ng	# 72
25) Isophorone	7.522	82	954780	45.791	ng	# 69
27) 2,4-Dimethylphenol	7.928	122	17137	2.494	ng	# 4
32) Benzoic acid	7.928	122	17137	4.397	ng	# 70
51) 2,6-Dinitrotoluene	10.004	165	29625	10.386	ng	# 21
57) 2,4-Dinitrotoluene	10.004	165	29625	8.571	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.792	198	647	7.664	ng	# 1
67) 4-Bromophenyl-phenylether	10.792	248	19036	4.214	ng	# 1
77) Benzidine	13.086	184	19425	2.002	ng	96

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

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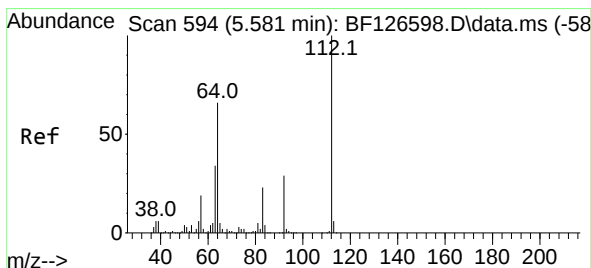
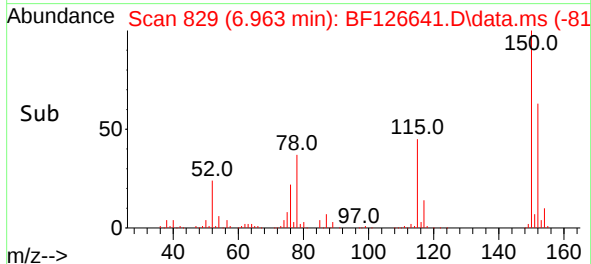
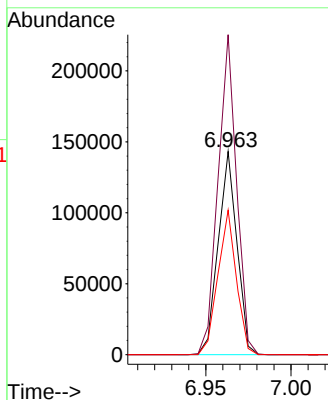
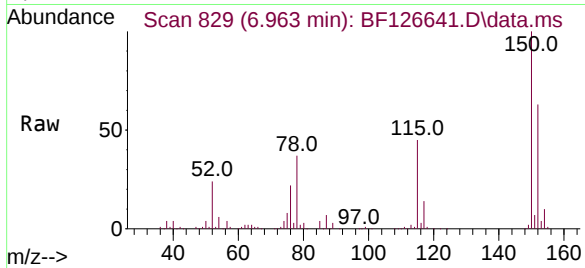




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126641.D
Acq: 24 Jan 2022 16:17

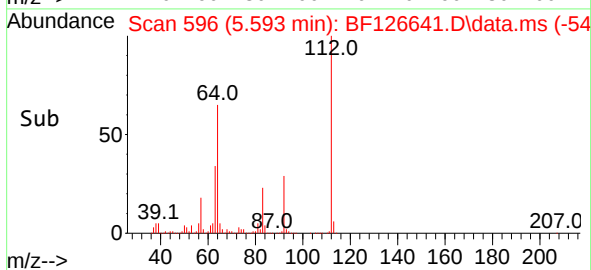
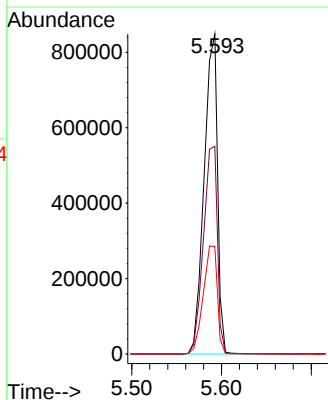
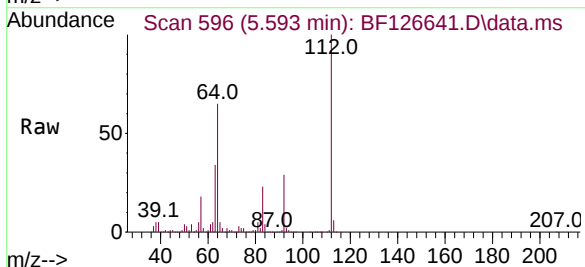
Instrument :
BNA_F
ClientSampleId :
AREA-2-COMPOSITE

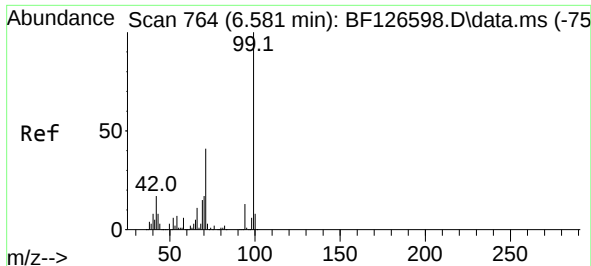
Tgt Ion:152 Resp: 109518
Ion Ratio Lower Upper
152 100
150 157.5 128.1 192.1
115 71.1 56.7 85.1



#5
2-Fluorophenol
Concen: 105.783 ng
RT: 5.593 min Scan# 596
Delta R.T. 0.012 min
Lab File: BF126641.D
Acq: 24 Jan 2022 16:17

Tgt Ion:112 Resp: 880400
Ion Ratio Lower Upper
112 100
64 64.9 49.5 74.3
63 33.5 23.9 35.9

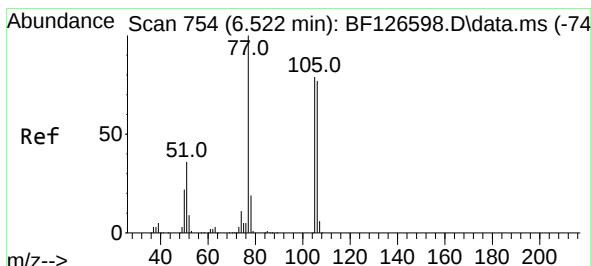
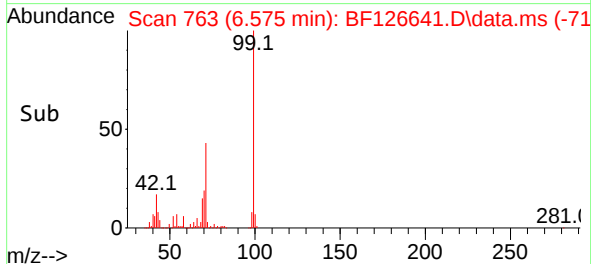
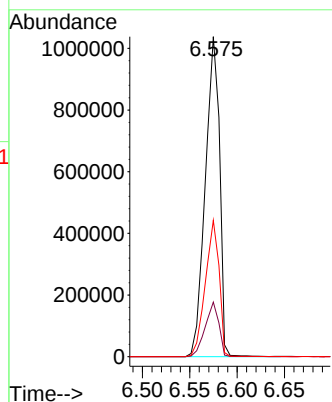
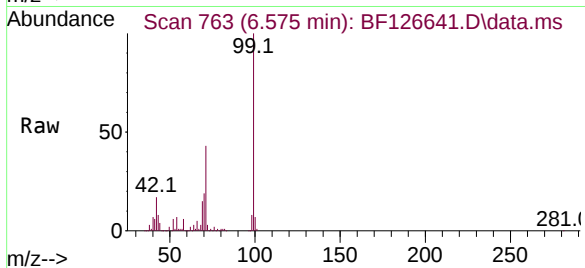




#7
Phenol-d6
Concen: 93.821 ng
RT: 6.575 min Scan# 701
Delta R.T. -0.006 min
Lab File: BF126641.D
Acq: 24 Jan 2022 16:17

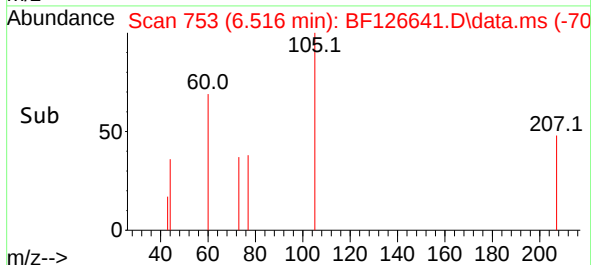
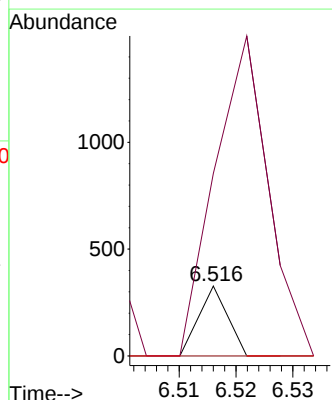
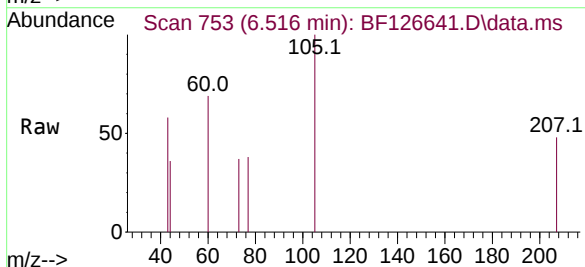
Instrument :
BNA_F
ClientSampleId :
AREA-2-COMPOSITE

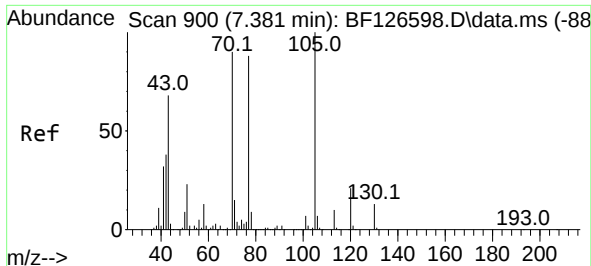
Tgt Ion: 99 Resp: 1084884
Ion Ratio Lower Upper
99 100
42 17.0 14.2 21.4
71 42.6 24.3 36.5#



#9
Benzaldehyde
Concen: Below Cal
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF126641.D
Acq: 24 Jan 2022 16:17

Tgt Ion: 77 Resp: 115
Ion Ratio Lower Upper
77 100
105 261.2 74.9 114.9#
106 0.0 72.4 112.4#

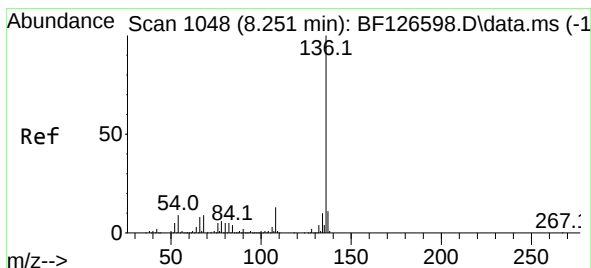
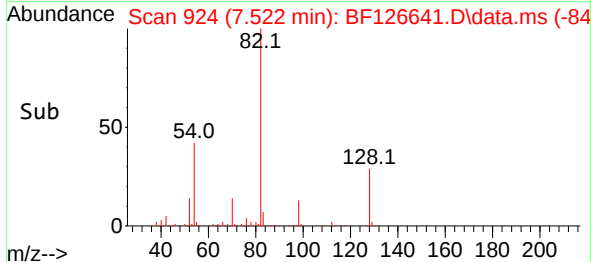
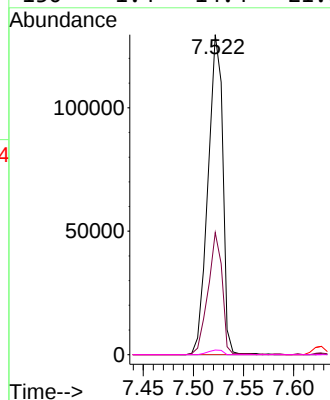
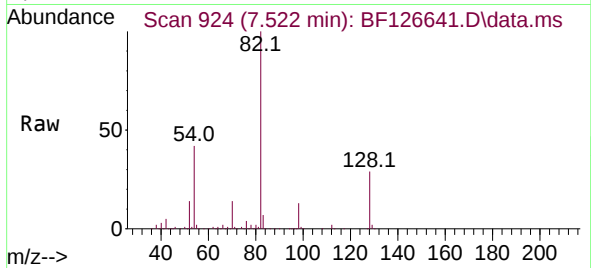




#19
n-Nitroso-di-n-propylamine
Concen: 15.798 ng
RT: 7.522 min Scan# 91
Delta R.T. 0.141 min
Lab File: BF126641.D
Acq: 24 Jan 2022 16:17

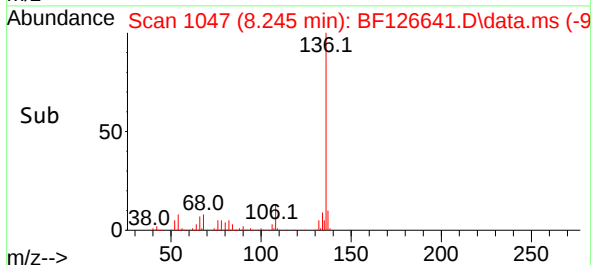
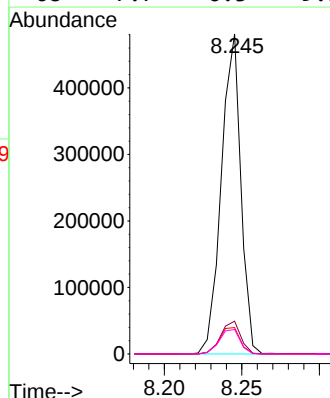
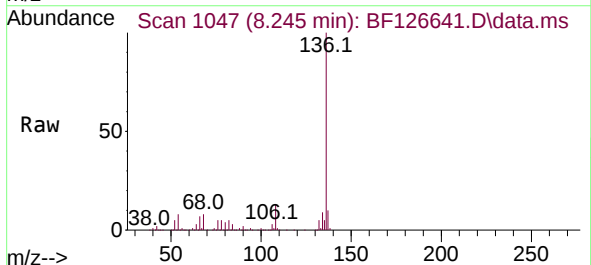
Instrument :
BNA_F
ClientSampleId :
AREA-2-COMPOSITE

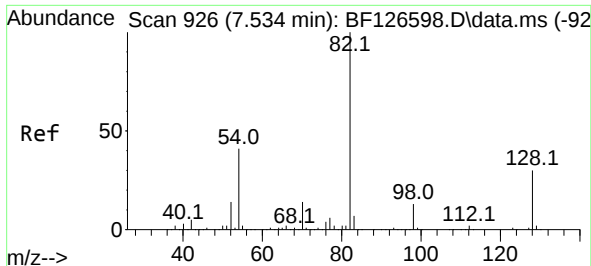
Tgt Ion: 70 Resp: 133325
Ion Ratio Lower Upper
70 100
42 38.1 45.8 68.8#
101 0.0 6.9 10.3#
130 1.4 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF126641.D
Acq: 24 Jan 2022 16:17

Tgt Ion:136 Resp: 420832
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 8.3 7.8 11.6
68 7.7 6.3 9.5





#23

Nitrobenzene-d5

Concen: 88.805 ng

RT: 7.522 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF126641.D

Acq: 24 Jan 2022 16:17

Instrument :

BNA_F

ClientSampleId :

AREA-2-COMPOSITE

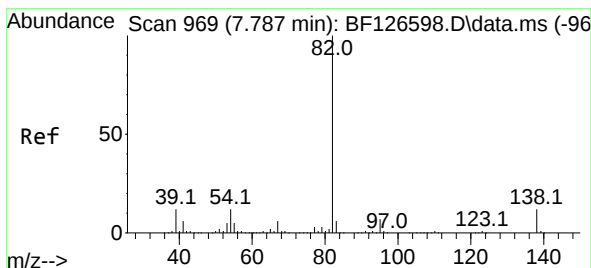
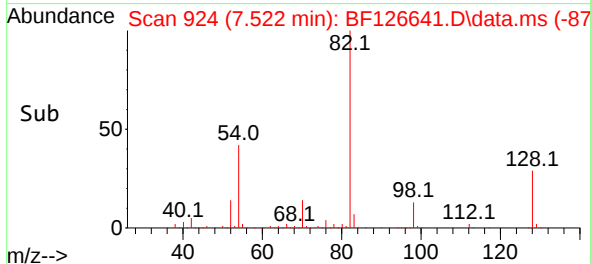
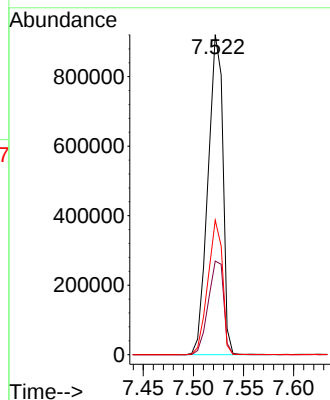
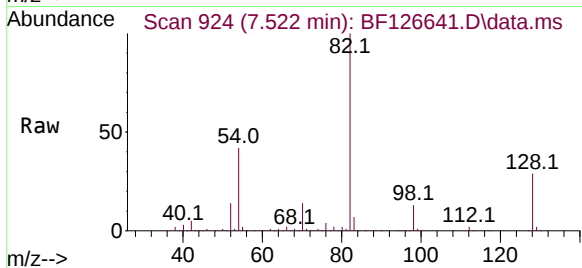
Tgt Ion: 82 Resp: 954800

Ion Ratio Lower Upper

82 100

128 29.3 32.7 49.1#

54 42.0 41.7 62.5



#25

Isophorone

Concen: 45.791 ng

RT: 7.522 min Scan# 924

Delta R.T. -0.265 min

Lab File: BF126641.D

Acq: 24 Jan 2022 16:17

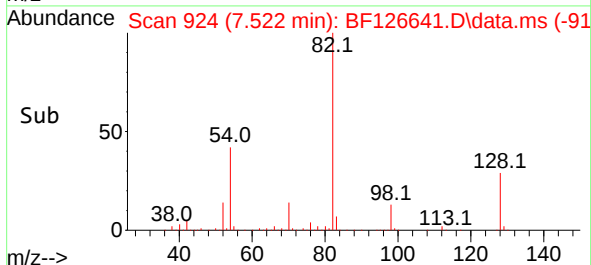
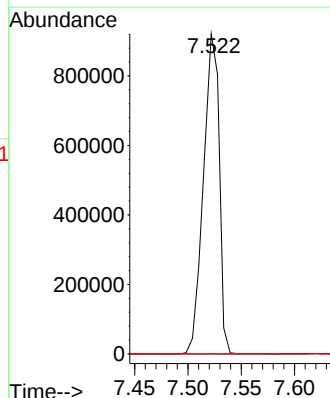
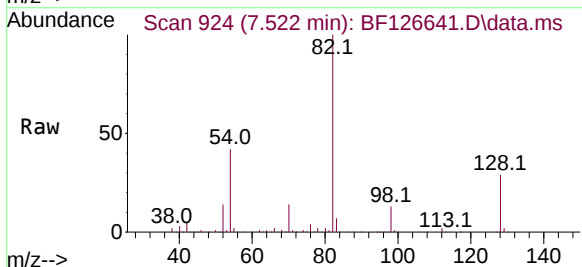
Tgt Ion: 82 Resp: 954780

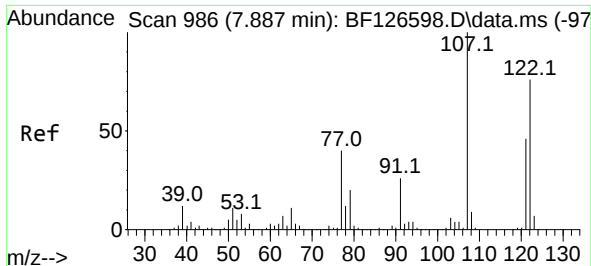
Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

138 0.0 12.3 18.5#





#27

2,4-Dimethylphenol

Concen: 2.494 ng

RT: 7.928 min Scan# 993

Delta R.T. 0.041 min

Lab File: BF126641.D

Acq: 24 Jan 2022 16:17

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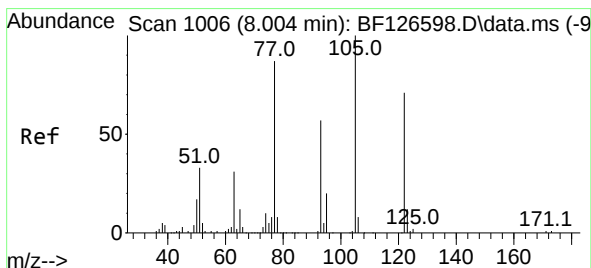
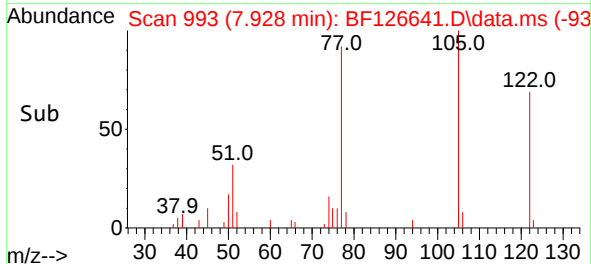
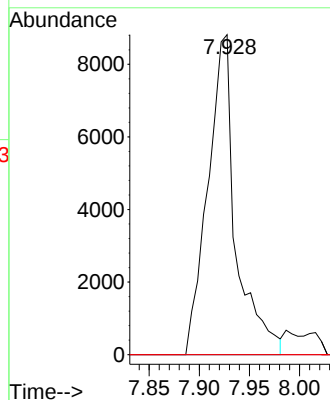
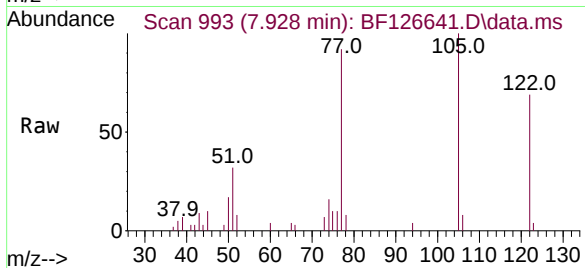
Tgt Ion:122 Resp: 17137

Ion Ratio Lower Upper

122 100

107 0.0 91.2 136.8#

121 0.0 44.4 66.6#



#32

Benzoic acid

Concen: 4.397 ng

RT: 7.928 min Scan# 993

Delta R.T. -0.076 min

Lab File: BF126641.D

Acq: 24 Jan 2022 16:17

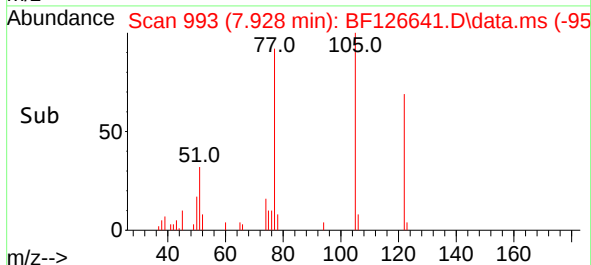
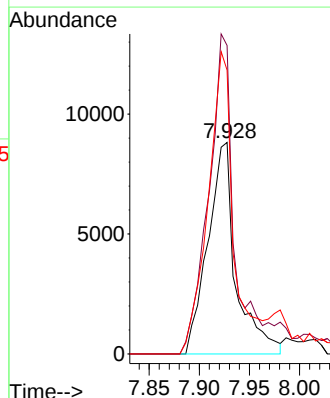
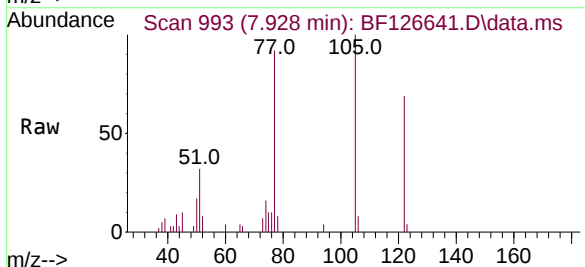
Tgt Ion:122 Resp: 17137

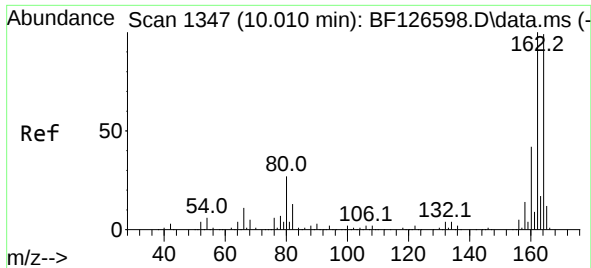
Ion Ratio Lower Upper

122 100

105 145.8 101.0 141.0#

77 134.2 74.5 114.5#

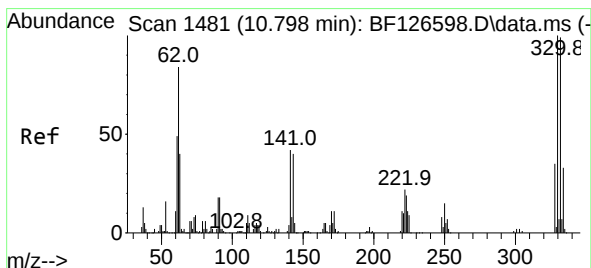
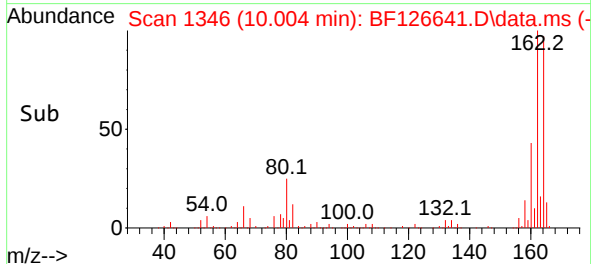
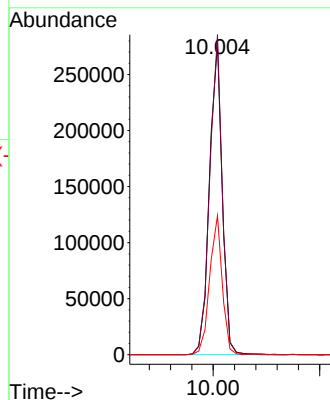
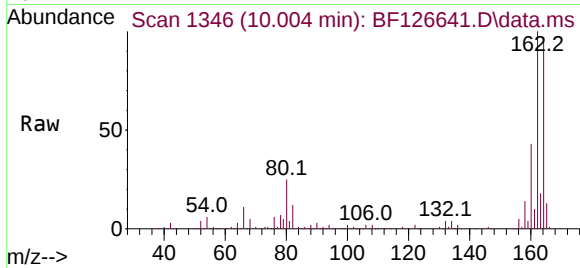




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126641.D
Acq: 24 Jan 2022 16:17

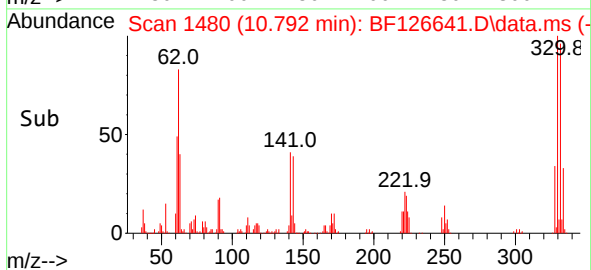
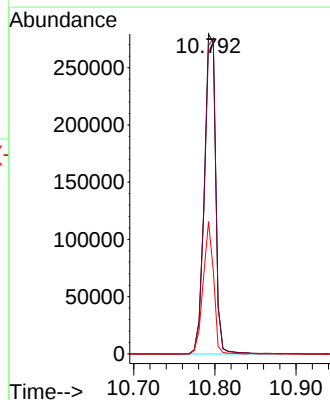
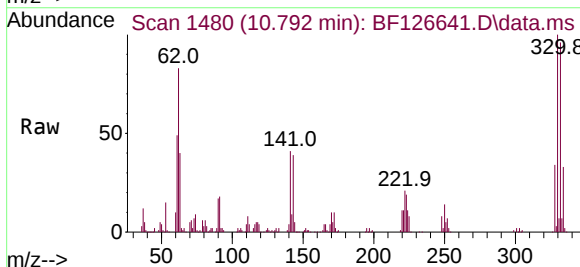
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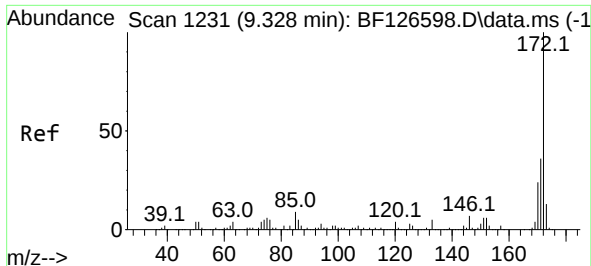
Tgt Ion:164 Resp: 232744
Ion Ratio Lower Upper
164 100
162 102.9 81.4 122.0
160 44.8 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 124.250 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF126641.D
Acq: 24 Jan 2022 16:17

Tgt Ion:330 Resp: 270631
Ion Ratio Lower Upper
330 100
332 98.6 76.0 114.0
141 37.8 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 78.965 ng

RT: 9.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126641.D

Acq: 24 Jan 2022 16:17

Instrument :

BNA_F

ClientSampleId :

AREA-2-COMPOSITE

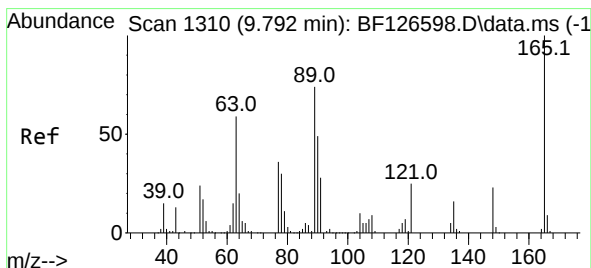
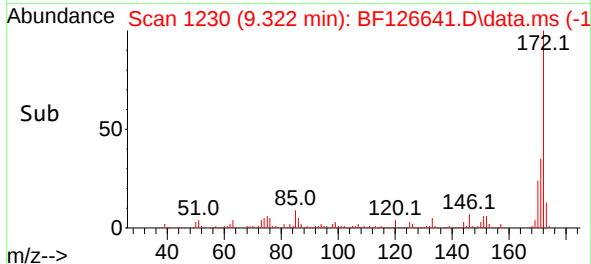
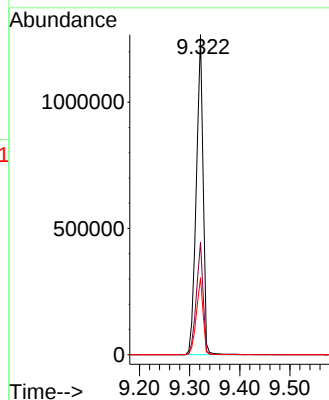
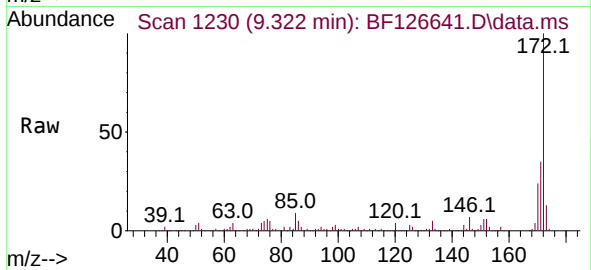
Tgt Ion:172 Resp: 1200043

Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 24.0 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 10.386 ng

RT: 10.004 min Scan# 1346

Delta R.T. 0.212 min

Lab File: BF126641.D

Acq: 24 Jan 2022 16:17

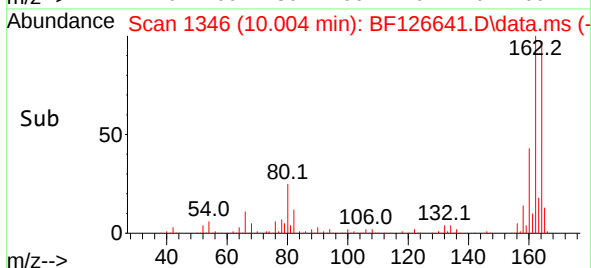
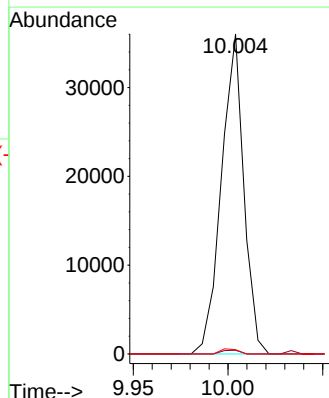
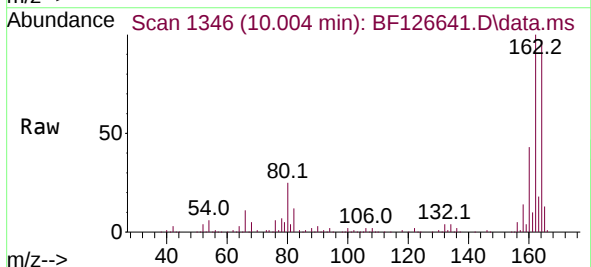
Tgt Ion:165 Resp: 29625

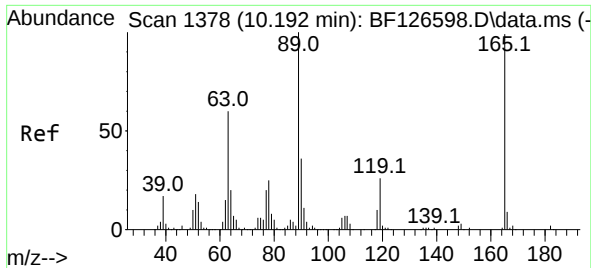
Ion Ratio Lower Upper

165 100

63 1.2 48.4 72.6#

89 1.4 50.5 75.7#

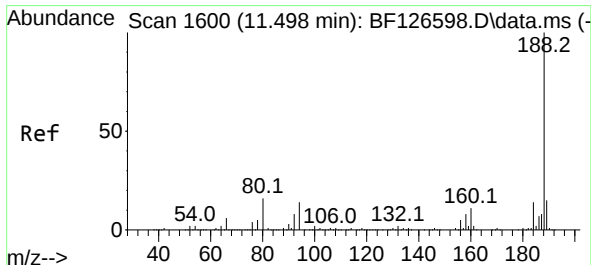
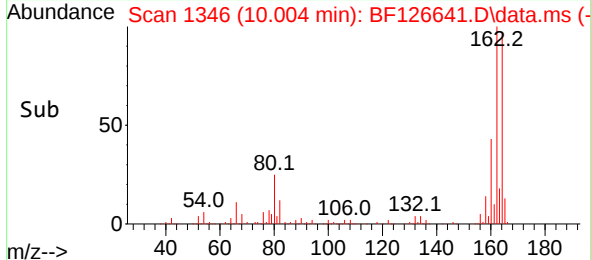
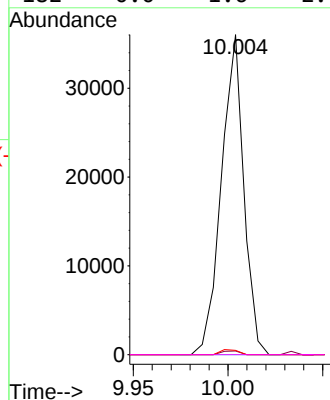
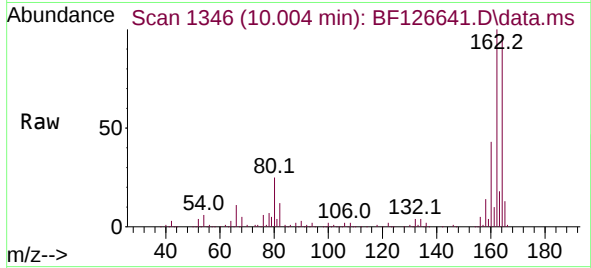




#57
2,4-Dinitrotoluene
Concen: 8.571 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126641.D
Acq: 24 Jan 2022 16:17

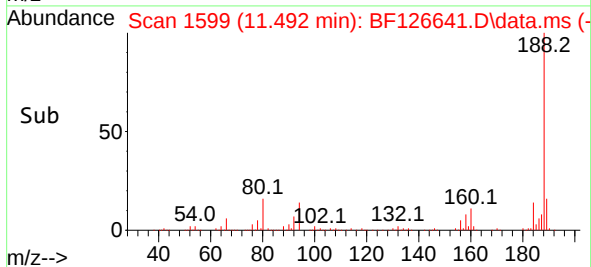
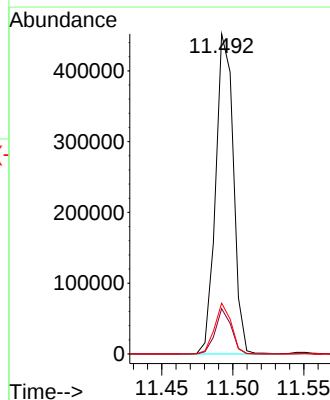
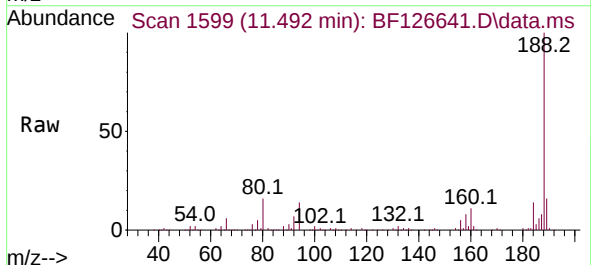
Instrument :
BNA_F
ClientSampleId :
AREA-2-COMPOSITE

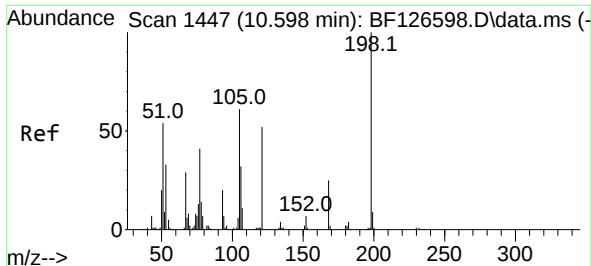
Tgt Ion:165 Resp: 29625
Ion Ratio Lower Upper
165 100
63 1.2 43.0 64.6#
89 1.4 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BF126641.D
Acq: 24 Jan 2022 16:17

Tgt Ion:188 Resp: 391921
Ion Ratio Lower Upper
188 100
94 14.1 10.1 15.1
80 15.9 11.8 17.6

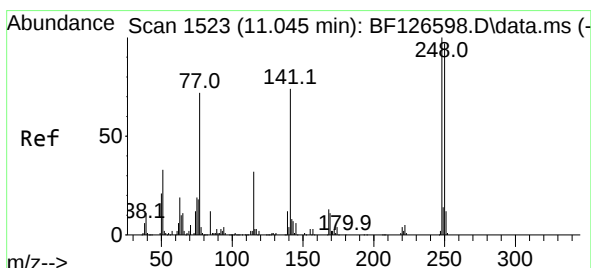
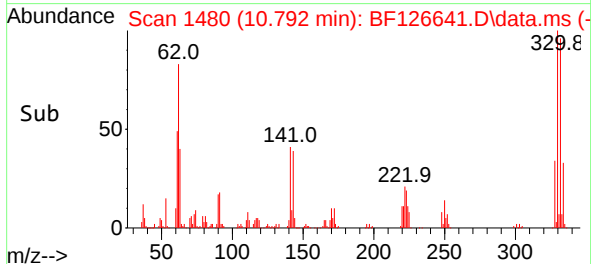
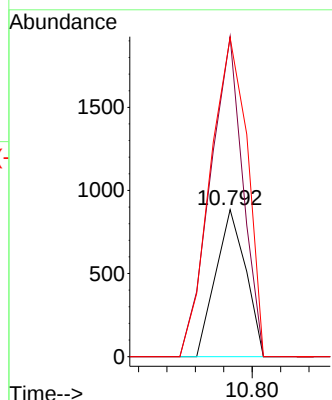
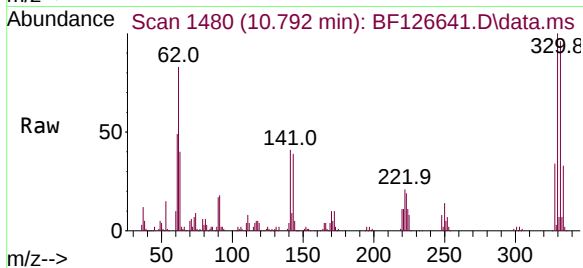




#65
4,6-Dinitro-2-methylphenol
Concen: 7.664 ng
RT: 10.792 min Scan# 1447
Delta R.T. 0.194 min
Lab File: BF126641.D
Acq: 24 Jan 2022 16:17

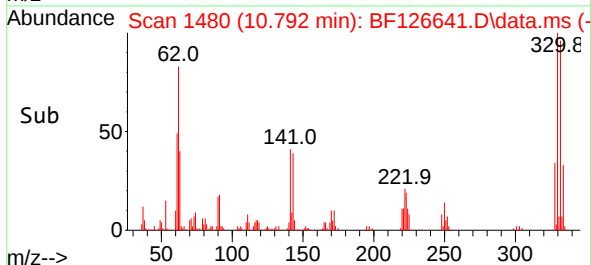
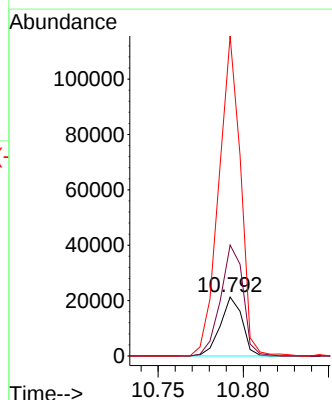
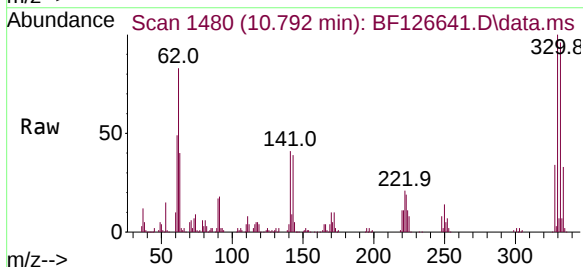
Instrument :
BNA_F
ClientSampleId :
AREA-2-COMPOSITE

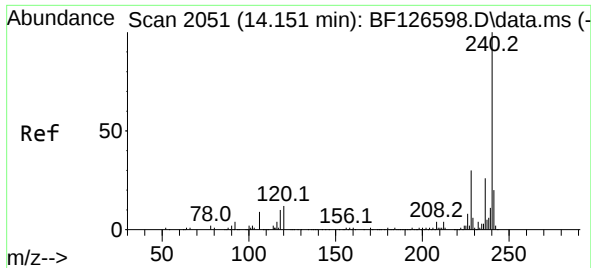
Tgt Ion:198 Resp: 647
Ion Ratio Lower Upper
198 100
51 217.8 32.0 72.0#
105 217.1 32.7 72.7#



#67
4-Bromophenyl-phenylether
Concen: 4.214 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.253 min
Lab File: BF126641.D
Acq: 24 Jan 2022 16:17

Tgt Ion:248 Resp: 19036
Ion Ratio Lower Upper
248 100
250 188.2 76.2 114.4#
141 542.7 66.2 99.4#

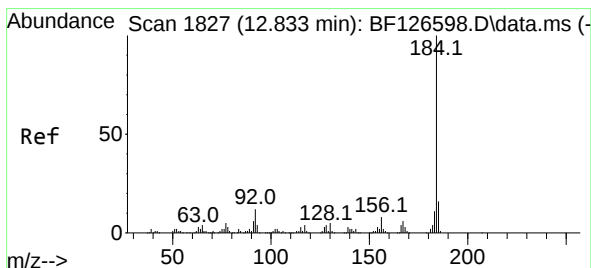
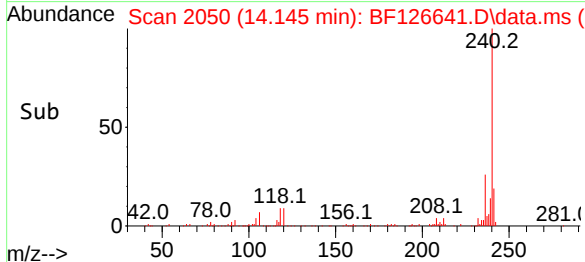
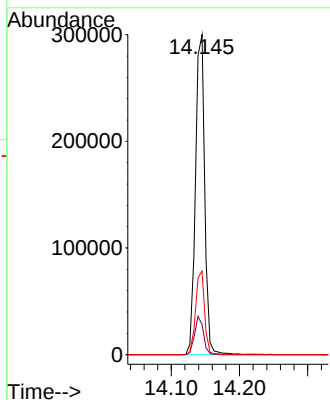
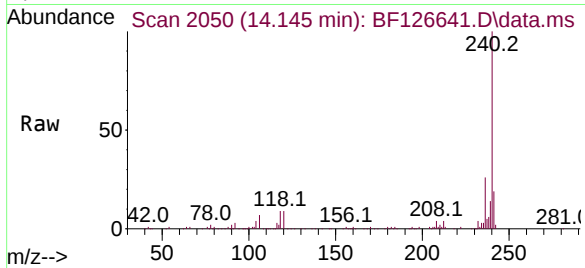




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF126641.D
Acq: 24 Jan 2022 16:17

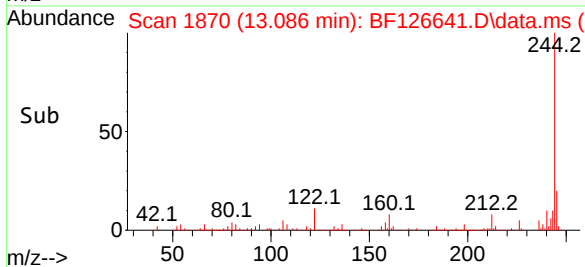
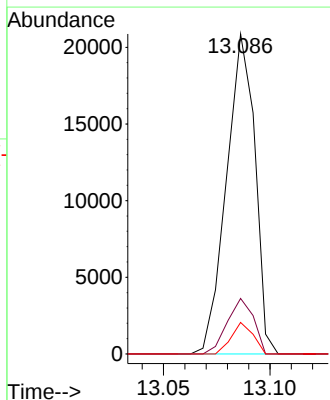
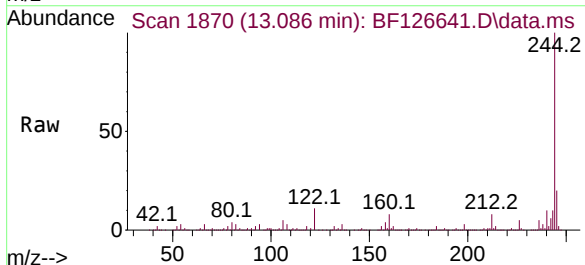
Instrument :
BNA_F
ClientSampleId :
AREA-2-COMPOSITE

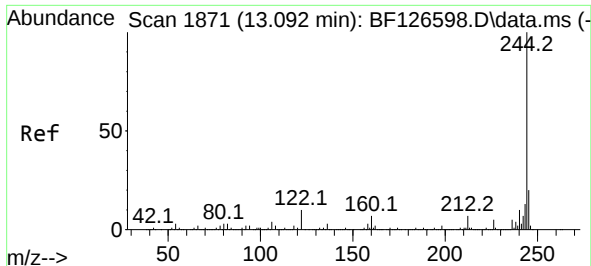
Tgt Ion:240 Resp: 281322
Ion Ratio Lower Upper
240 100
120 9.4 14.4 21.6#
236 26.1 20.5 30.7



#77
Benzidine
Concen: 2.002 ng
RT: 13.086 min Scan# 1870
Delta R.T. 0.253 min
Lab File: BF126641.D
Acq: 24 Jan 2022 16:17

Tgt Ion:184 Resp: 19425
Ion Ratio Lower Upper
184 100
185 17.4 11.8 17.8
183 9.8 8.2 12.2

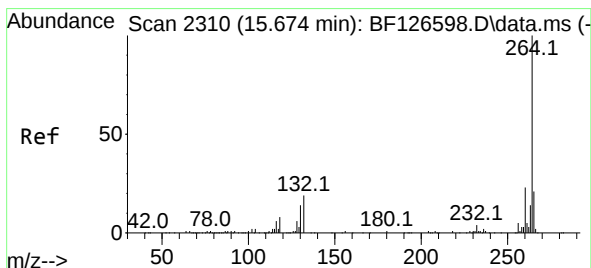
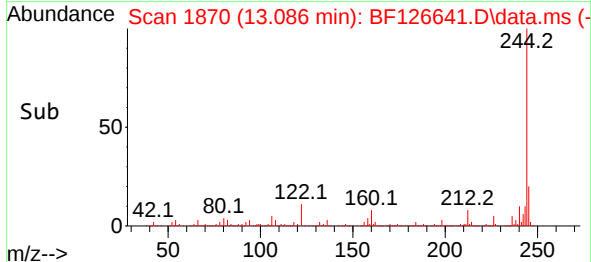
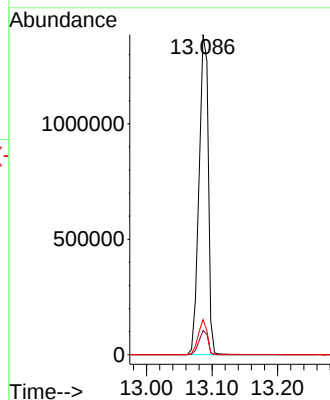
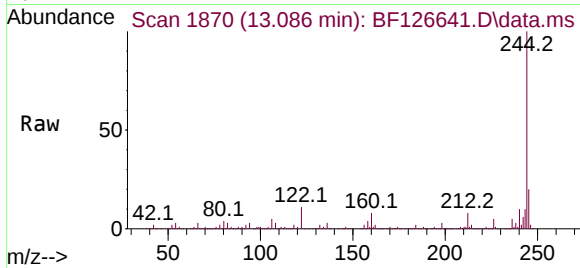




#79
Terphenyl-d14
Concen: 81.522 ng
RT: 13.086 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126641.D
Acq: 24 Jan 2022 16:17

Instrument :
BNA_F
ClientSampleId :
AREA-2-COMPOSITE

Tgt Ion:244 Resp: 1367347
Ion Ratio Lower Upper
244 100
212 7.5 5.0 7.4#
122 11.0 13.3 19.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.668 min Scan# 2309
Delta R.T. -0.006 min
Lab File: BF126641.D
Acq: 24 Jan 2022 16:17

Tgt Ion:264 Resp: 233472
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.7 17.4 26.2

