

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012422\
 Data File : BF126640.D
 Acq On : 24 Jan 2022 15:50
 Operator : CG/JU
 Sample : N1224-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AREA-1-COMPOSITE

Quant Time: Jan 25 03:13:02 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)

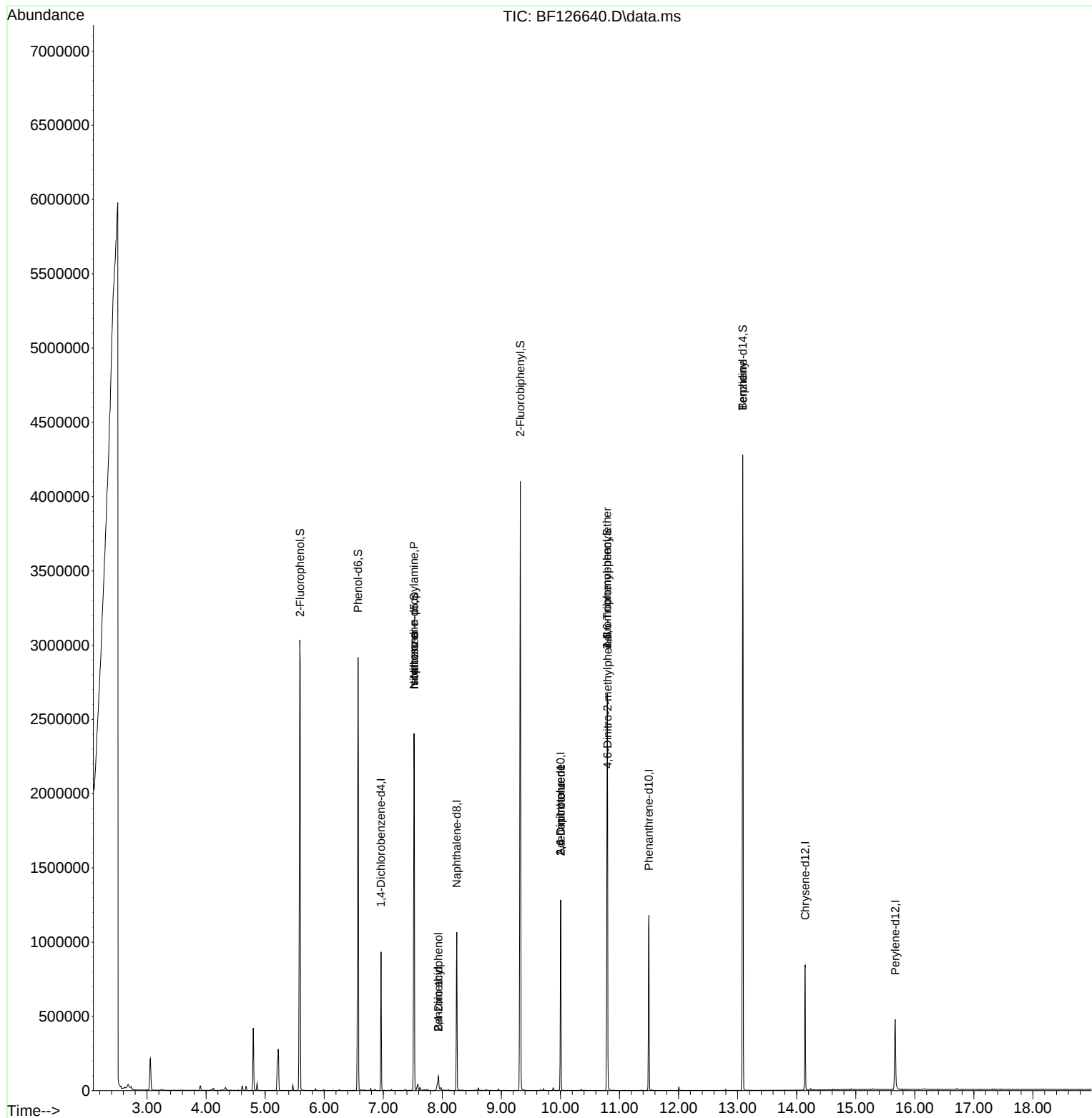
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	107082	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	419266	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	228194	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	395450	20.000	ng	0.00
76) Chrysene-d12	14.145	240	291021	20.000	ng	# 0.00
86) Perylene-d12	15.668	264	230188	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	855867	105.175	ng	0.01
7) Phenol-d6	6.575	99	1074683	95.053	ng	0.00
23) Nitrobenzene-d5	7.522	82	944520	88.177	ng	-0.01
42) 2,4,6-Tribromophenol	10.792	330	273378	128.013	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1174987	78.858	ng	0.00
79) Terphenyl-d14	13.086	244	1435048	82.707	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.581	77	2082	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.522	70	130331	15.794	ng	# 70
25) Isophorone	7.522	82	944504	45.467	ng	# 69
27) 2,4-Dimethylphenol	7.934	122	30345	4.433	ng	# 4
32) Benzoic acid	7.934	122	30345	7.814	ng	# 58
51) 2,6-Dinitrotoluene	10.004	165	29747	10.636	ng	# 22
57) 2,4-Dinitrotoluene	10.004	165	29747	8.778	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.798	198	680	7.676	ng	# 24
67) 4-Bromophenyl-phenylether	10.792	248	17875	3.922	ng	# 1
77) Benzidine	13.086	184	20496	2.042	ng	96

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

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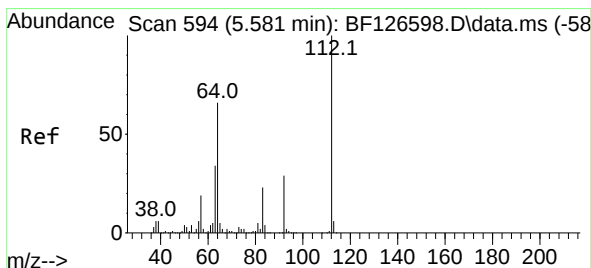
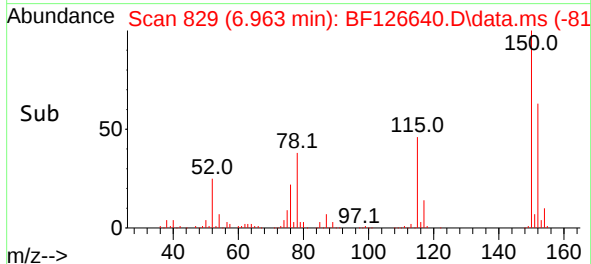
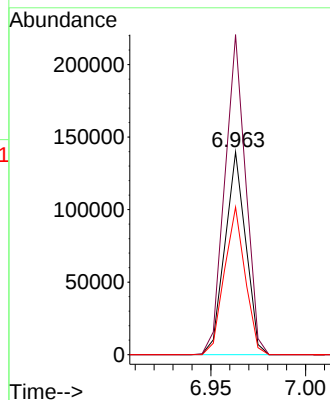
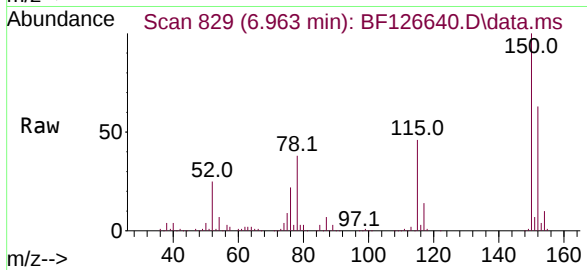




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126640.D
Acq: 24 Jan 2022 15:50

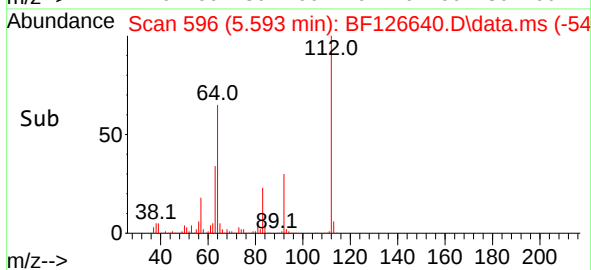
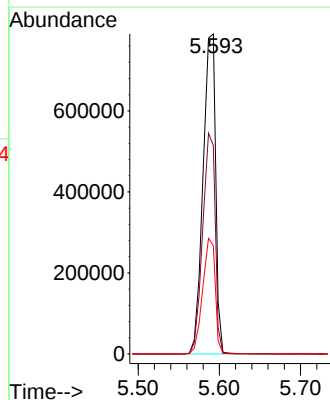
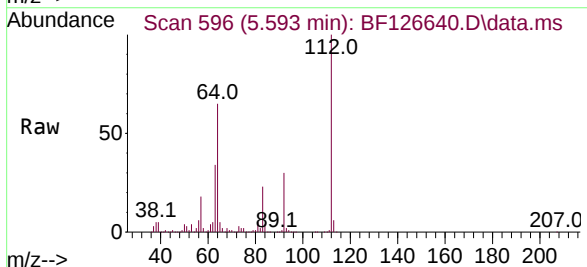
Instrument :
BNA_F
ClientSampleId :
AREA-1-COMPOSITE

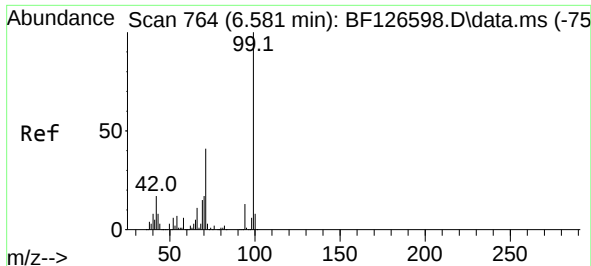
Tgt Ion:152 Resp: 107082
Ion Ratio Lower Upper
152 100
150 157.8 128.1 192.1
115 72.8 56.7 85.1



#5
2-Fluorophenol
Concen: 105.175 ng
RT: 5.593 min Scan# 596
Delta R.T. 0.012 min
Lab File: BF126640.D
Acq: 24 Jan 2022 15:50

Tgt Ion:112 Resp: 855867
Ion Ratio Lower Upper
112 100
64 65.1 49.5 74.3
63 33.8 23.9 35.9

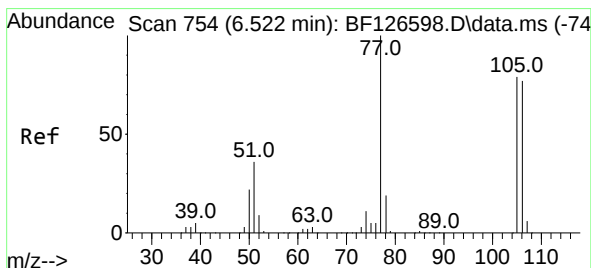
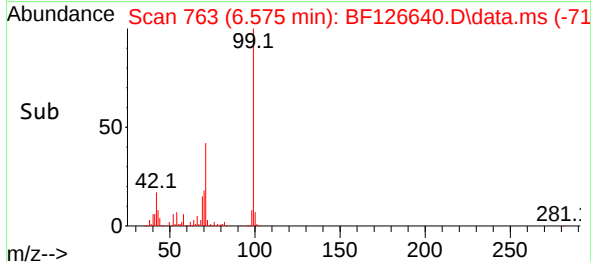
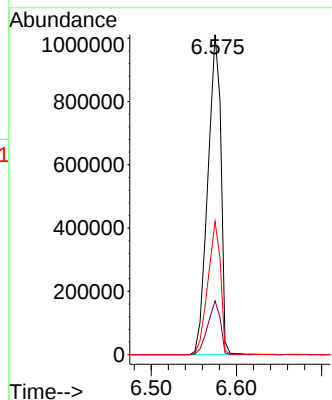
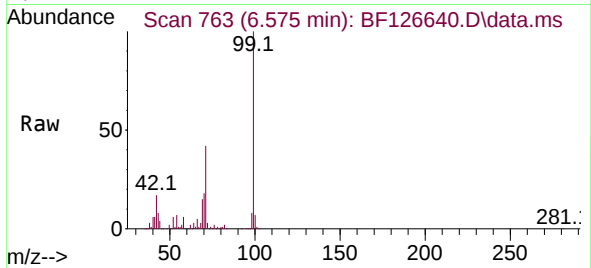




#7
Phenol-d6
Concen: 95.053 ng
RT: 6.575 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF126640.D
Acq: 24 Jan 2022 15:50

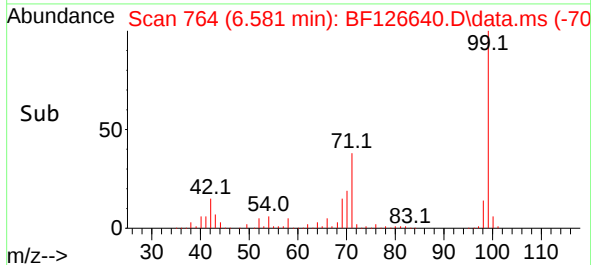
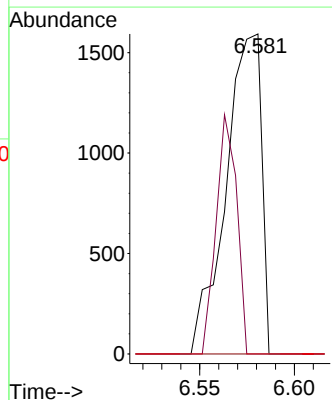
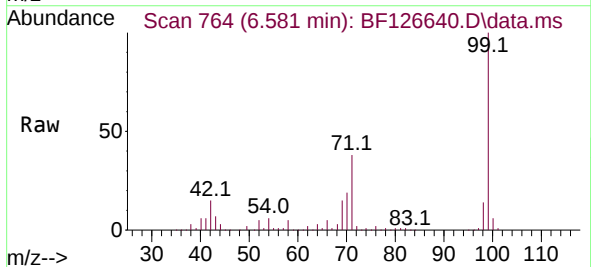
Instrument :
BNA_F
ClientSampleId :
AREA-1-COMPOSITE

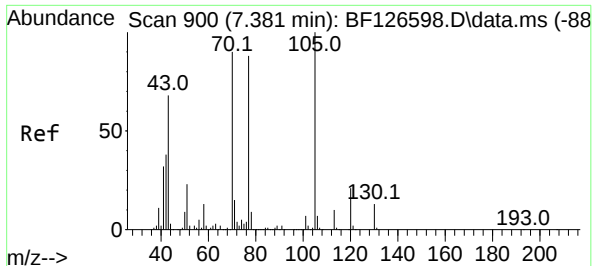
Tgt Ion: 99 Resp: 1074683
Ion Ratio Lower Upper
99 100
42 16.8 14.2 21.4
71 41.7 24.3 36.5#



#9
Benzaldehyde
Concen: Below Cal
RT: 6.581 min Scan# 764
Delta R.T. 0.059 min
Lab File: BF126640.D
Acq: 24 Jan 2022 15:50

Tgt Ion: 77 Resp: 2082
Ion Ratio Lower Upper
77 100
105 0.0 74.9 114.9#
106 0.0 72.4 112.4#





#19

n-Nitroso-di-n-propylamine

Concen: 15.794 ng

RT: 7.522 min Scan# 91

Delta R.T. 0.141 min

Lab File: BF126640.D

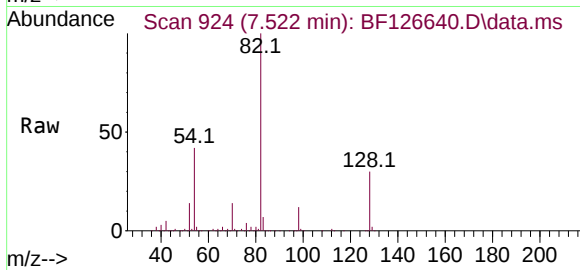
Acq: 24 Jan 2022 15:50

Instrument :

BNA_F

ClientSampleId :

AREA-1-COMPOSITE



Tgt Ion: 70 Resp: 130331

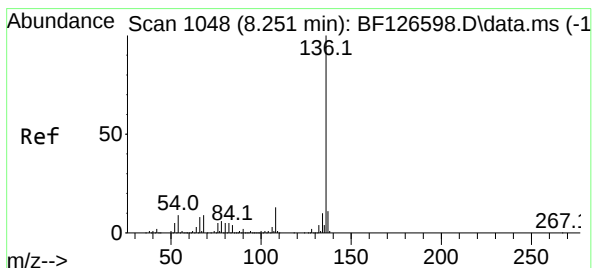
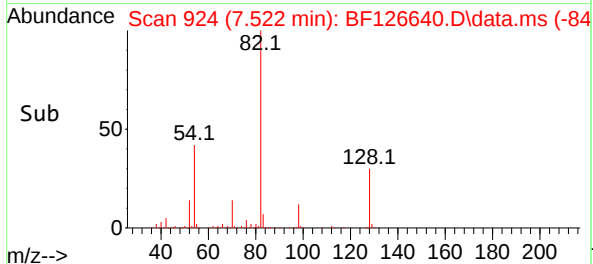
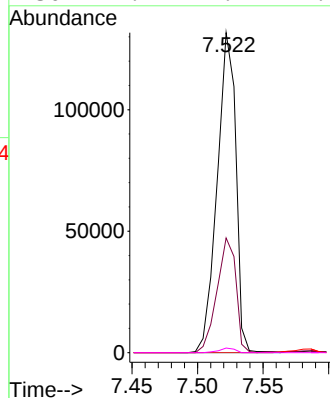
Ion Ratio Lower Upper

70 100

42 35.9 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: BF126640.D

Acq: 24 Jan 2022 15:50

Tgt Ion:136 Resp: 419266

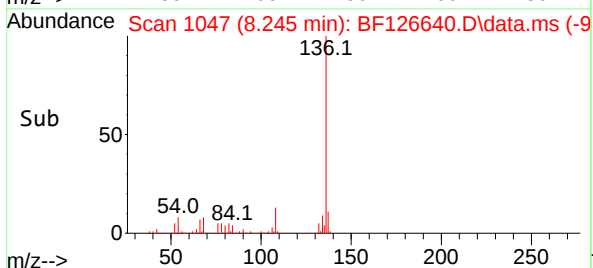
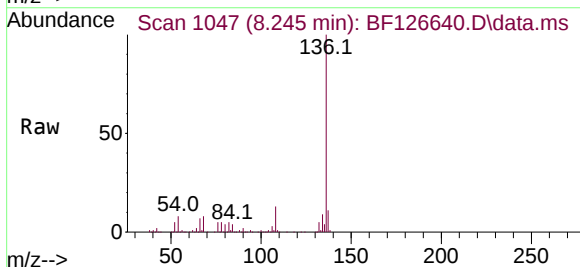
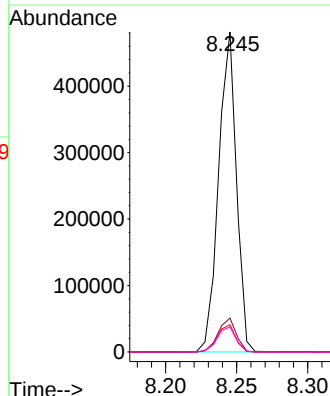
Ion Ratio Lower Upper

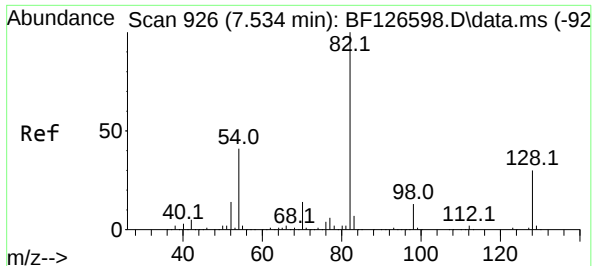
136 100

137 10.6 8.6 13.0

54 8.5 7.8 11.6

68 7.8 6.3 9.5

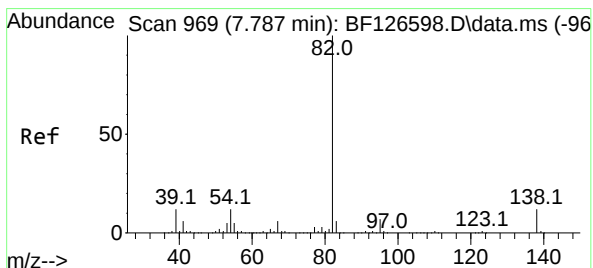
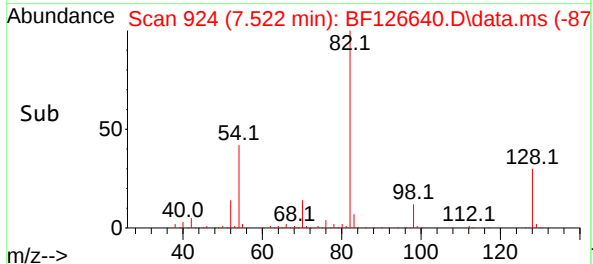
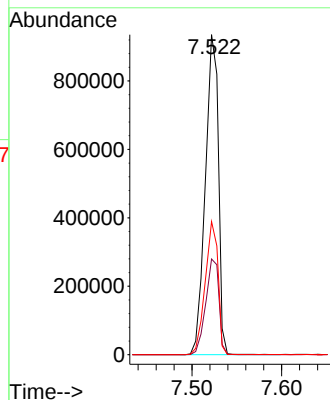
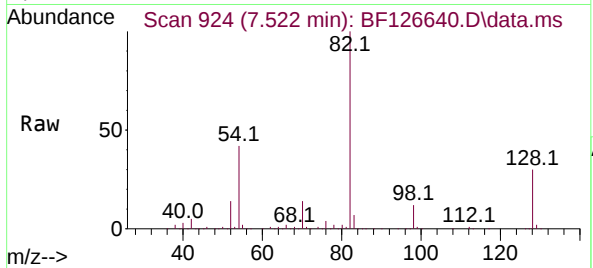




#23
Nitrobenzene-d5
Concen: 88.177 ng
RT: 7.522 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF126640.D
Acq: 24 Jan 2022 15:50

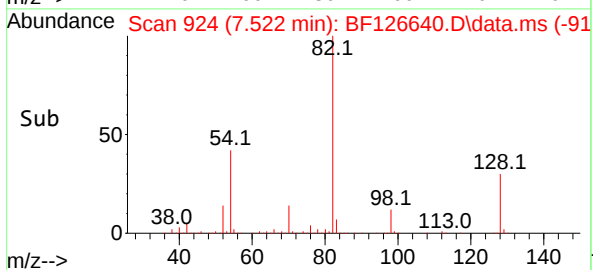
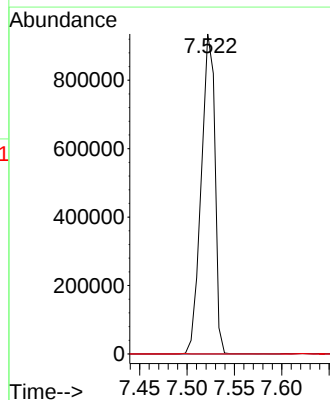
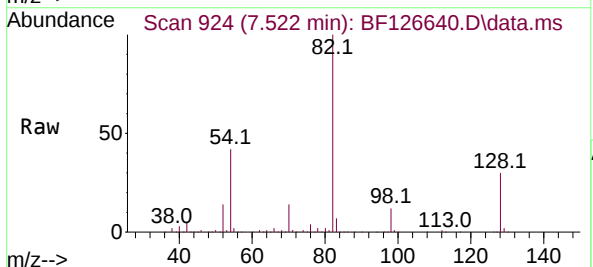
Instrument :
BNA_F
ClientSampleId :
AREA-1-COMPOSITE

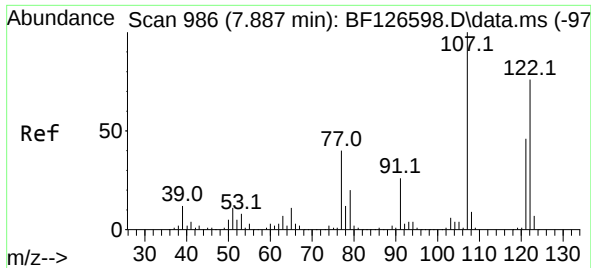
Tgt Ion: 82 Resp: 944520
Ion Ratio Lower Upper
82 100
128 29.9 32.7 49.1#
54 41.6 41.7 62.5#



#25
Isophorone
Concen: 45.467 ng
RT: 7.522 min Scan# 924
Delta R.T. -0.265 min
Lab File: BF126640.D
Acq: 24 Jan 2022 15:50

Tgt Ion: 82 Resp: 944504
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#

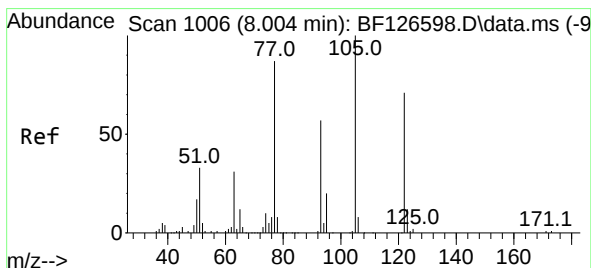
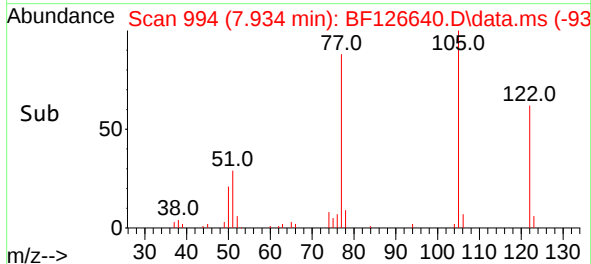
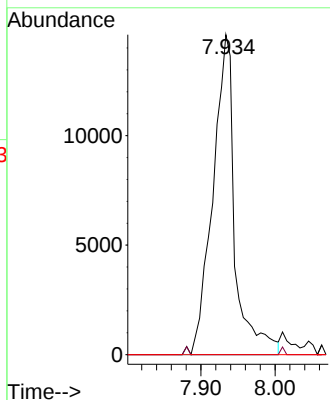
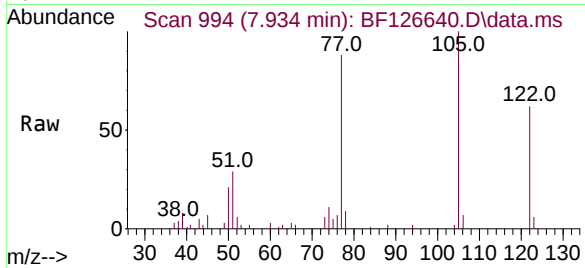




#27
2,4-Dimethylphenol
Concen: 4.433 ng
RT: 7.934 min Scan# 994
Delta R.T. 0.047 min
Lab File: BF126640.D
Acq: 24 Jan 2022 15:50

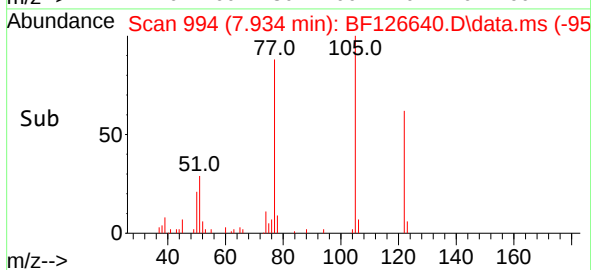
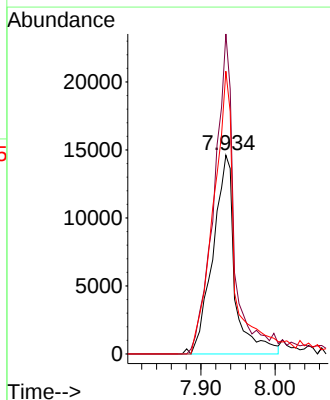
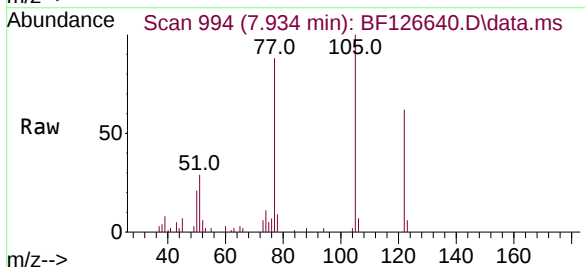
Instrument :
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ClientSampleId :
AREA-1-COMPOSITE

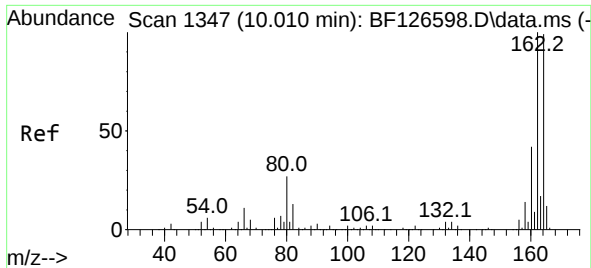
Tgt Ion:122 Resp: 30345
Ion Ratio Lower Upper
122 100
107 0.0 91.2 136.8#
121 0.0 44.4 66.6#



#32
Benzoic acid
Concen: 7.814 ng
RT: 7.934 min Scan# 994
Delta R.T. -0.070 min
Lab File: BF126640.D
Acq: 24 Jan 2022 15:50

Tgt Ion:122 Resp: 30345
Ion Ratio Lower Upper
122 100
105 161.1 101.0 141.0#
77 142.3 74.5 114.5#

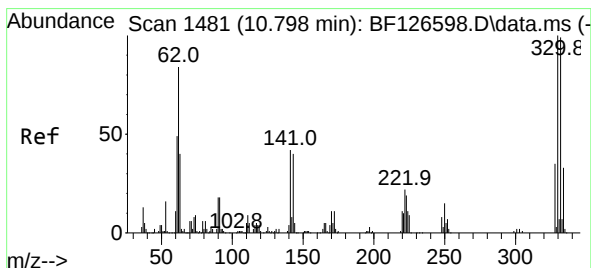
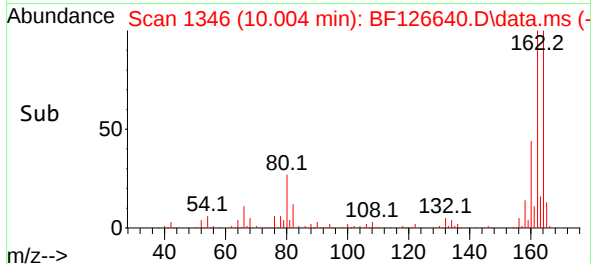
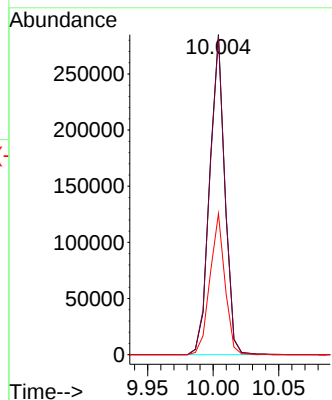
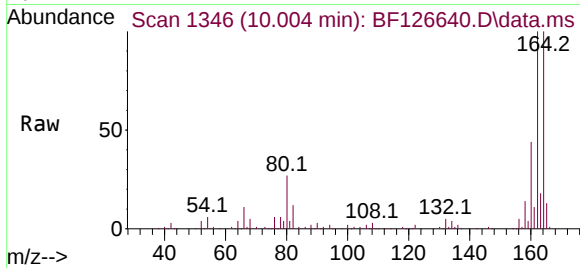




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126640.D
Acq: 24 Jan 2022 15:50

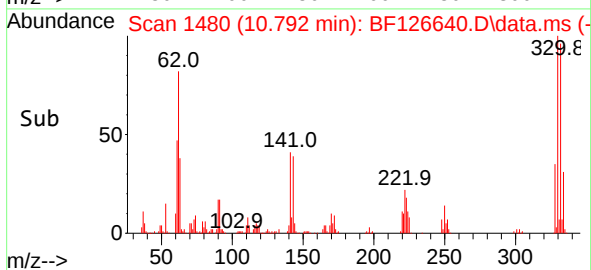
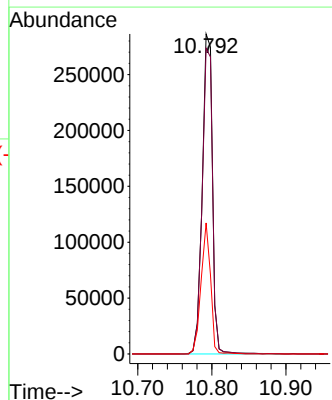
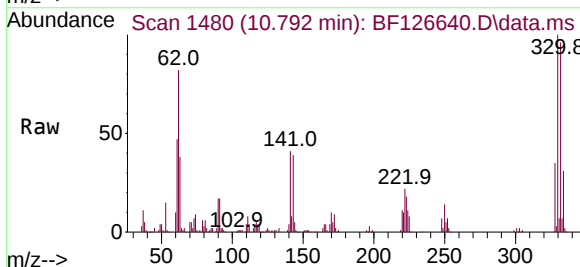
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AREA-1-COMPOSITE

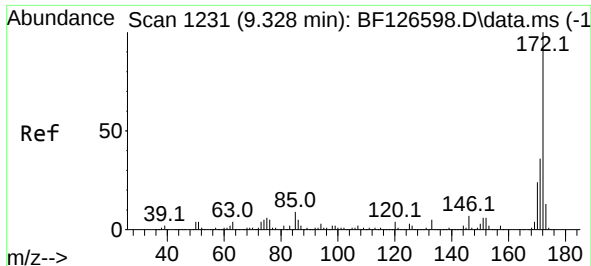
Tgt Ion:164 Resp: 228194
Ion Ratio Lower Upper
164 100
162 99.6 81.4 122.0
160 44.1 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 128.013 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF126640.D
Acq: 24 Jan 2022 15:50

Tgt Ion:330 Resp: 273378
Ion Ratio Lower Upper
330 100
332 97.1 76.0 114.0
141 38.1 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 78.858 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126640.D

Acq: 24 Jan 2022 15:50

Instrument :

BNA_F

ClientSampleId :

AREA-1-COMPOSITE

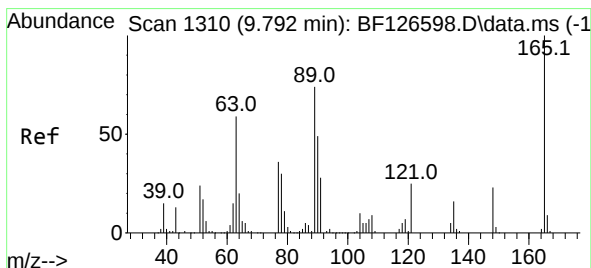
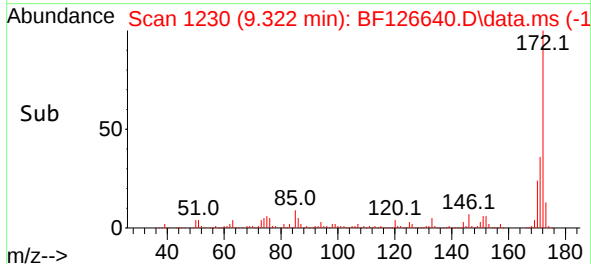
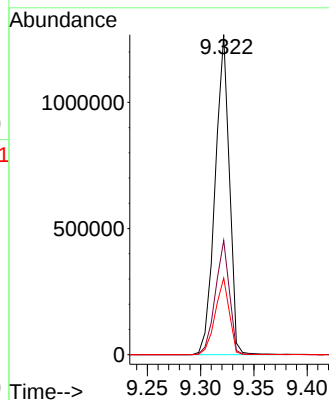
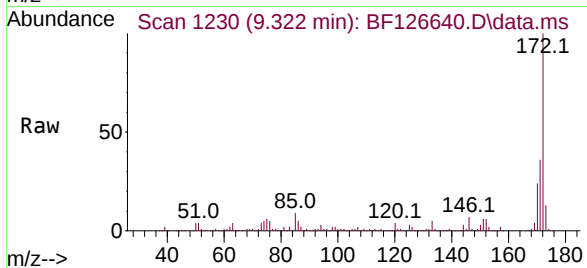
Tgt Ion:172 Resp: 1174987

Ion Ratio Lower Upper

172 100

171 35.7 28.3 42.5

170 23.9 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 10.636 ng

RT: 10.004 min Scan# 1346

Delta R.T. 0.212 min

Lab File: BF126640.D

Acq: 24 Jan 2022 15:50

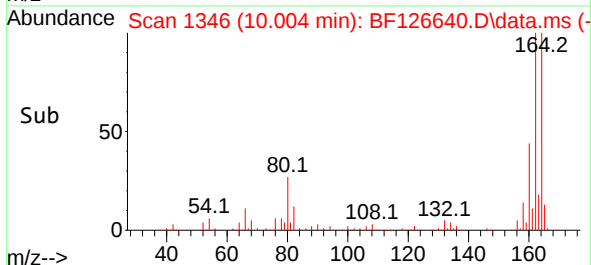
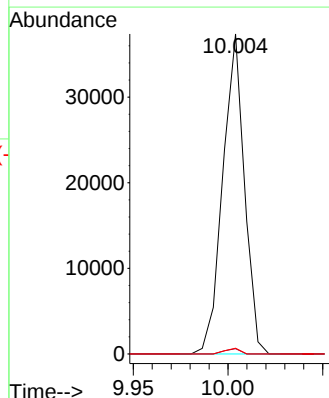
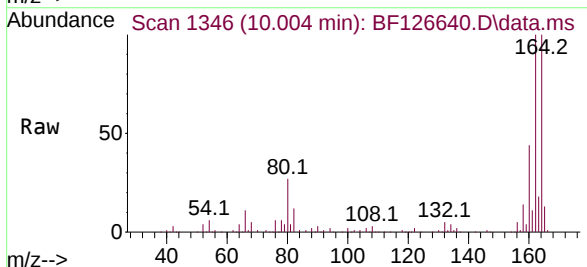
Tgt Ion:165 Resp: 29747

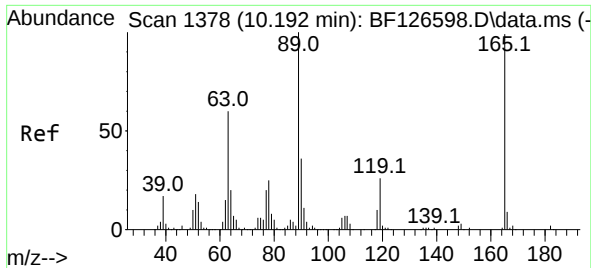
Ion Ratio Lower Upper

165 100

63 1.6 48.4 72.6#

89 1.8 50.5 75.7#

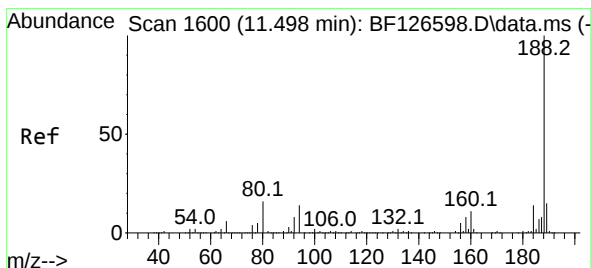
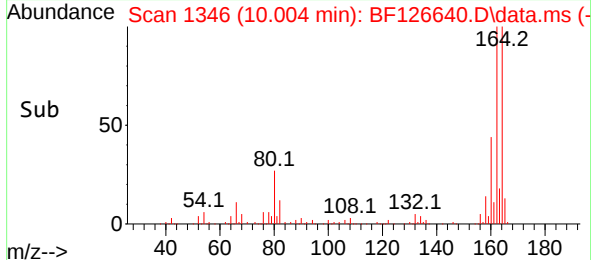
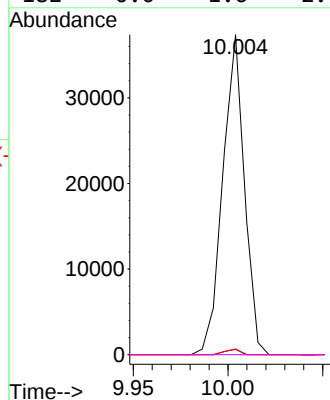
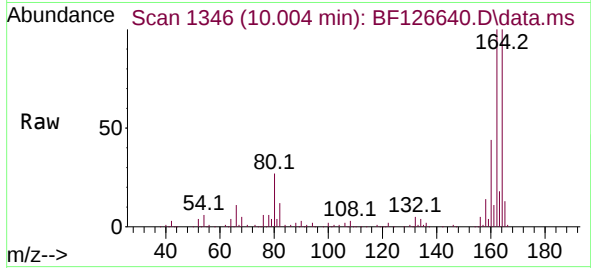




#57
2,4-Dinitrotoluene
Concen: 8.778 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126640.D
Acq: 24 Jan 2022 15:50

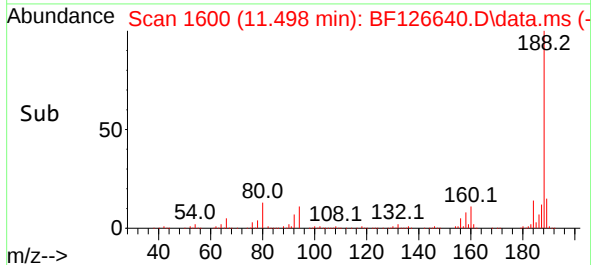
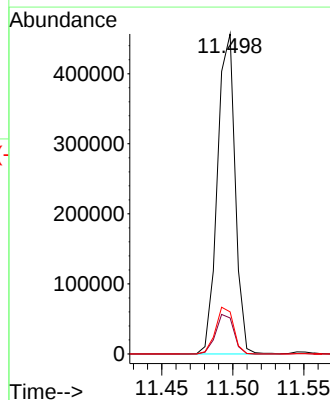
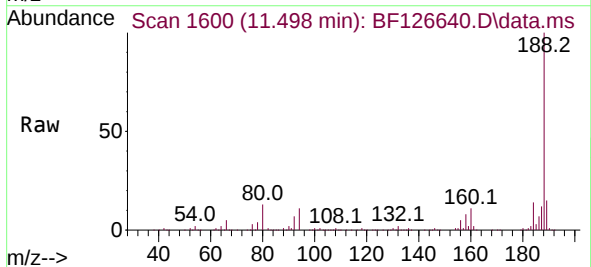
Instrument :
BNA_F
ClientSampleId :
AREA-1-COMPOSITE

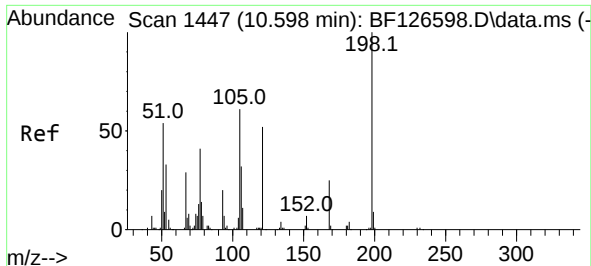
Tgt Ion:165 Resp: 29747
Ion Ratio Lower Upper
165 100
63 1.6 43.0 64.6#
89 1.8 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BF126640.D
Acq: 24 Jan 2022 15:50

Tgt Ion:188 Resp: 395450
Ion Ratio Lower Upper
188 100
94 11.2 10.1 15.1
80 13.2 11.8 17.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.676 ng

RT: 10.798 min Scan# 1447

Delta R.T. 0.200 min

Lab File: BF126640.D

Acq: 24 Jan 2022 15:50

Instrument :

BNA_F

ClientSampleId :

AREA-1-COMPOSITE

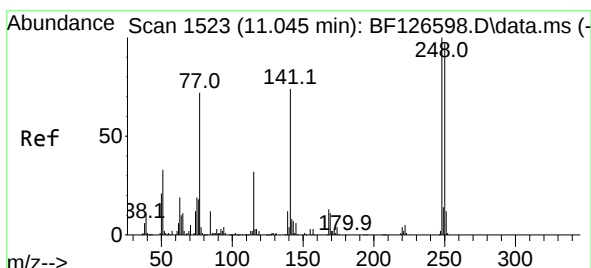
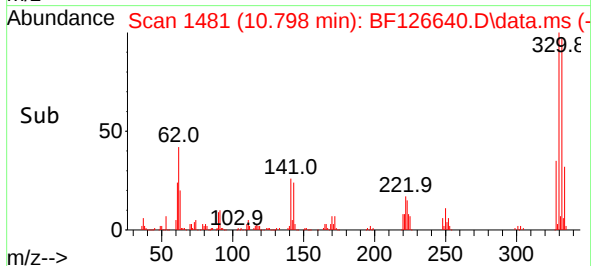
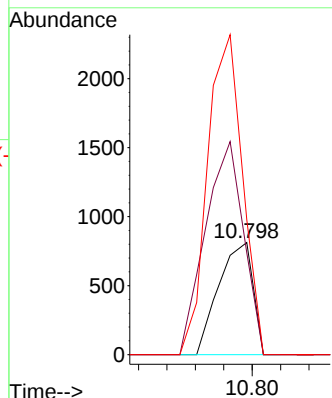
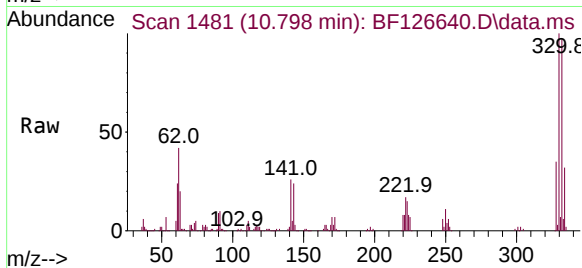
Tgt Ion:198 Resp: 680

Ion Ratio Lower Upper

198 100

51 91.1 32.0 72.0#

105 120.6 32.7 72.7#



#67

4-Bromophenyl-phenylether

Concen: 3.922 ng

RT: 10.792 min Scan# 1480

Delta R.T. -0.253 min

Lab File: BF126640.D

Acq: 24 Jan 2022 15:50

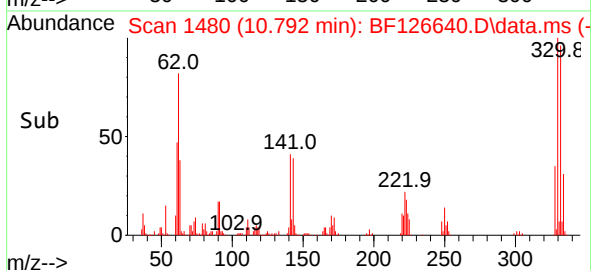
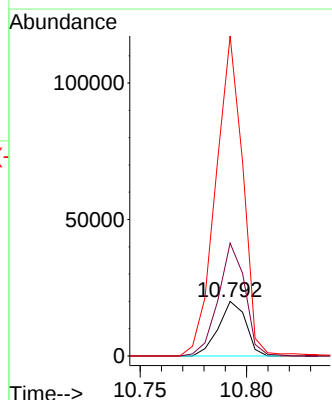
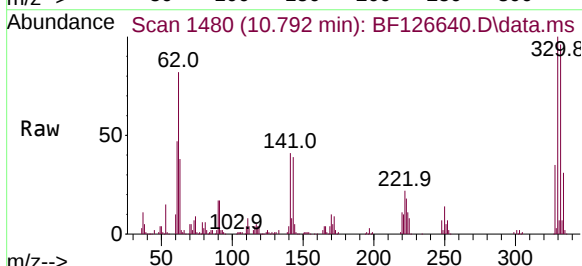
Tgt Ion:248 Resp: 17875

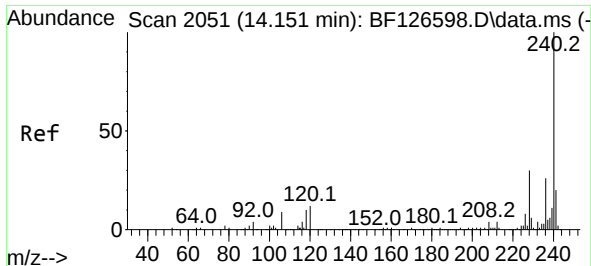
Ion Ratio Lower Upper

248 100

250 206.8 76.2 114.4#

141 586.7 66.2 99.4#

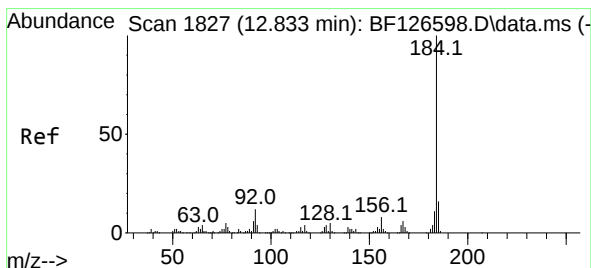
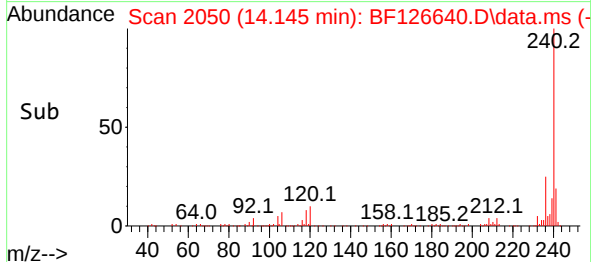
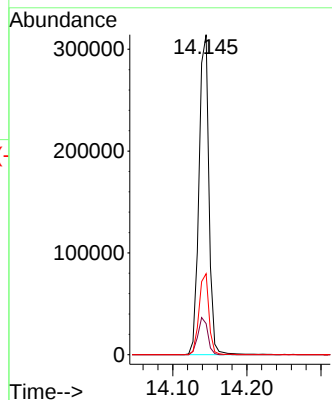
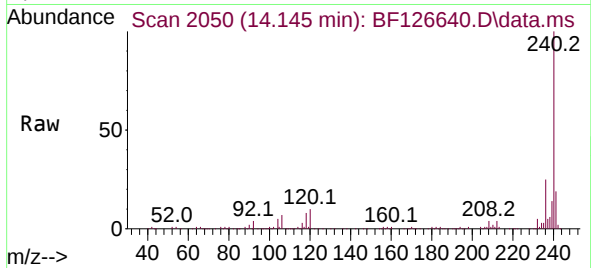




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF126640.D
Acq: 24 Jan 2022 15:50

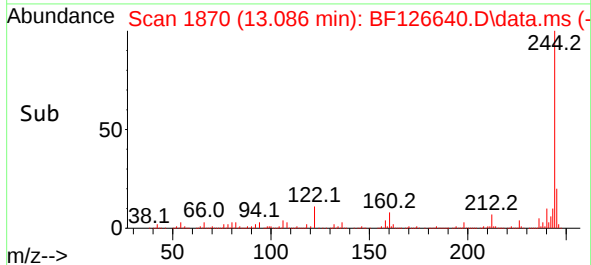
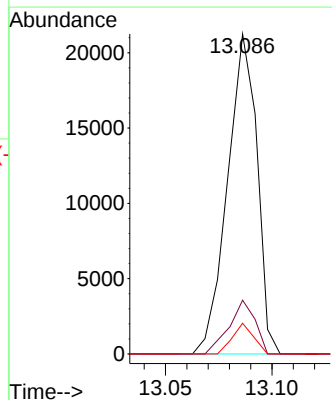
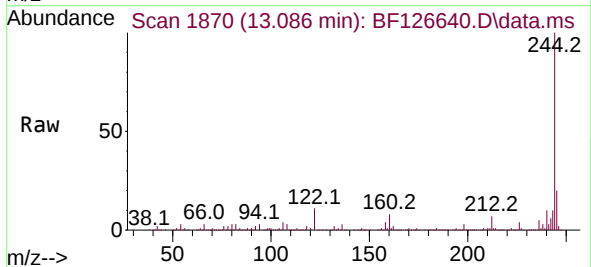
Instrument :
BNA_F
ClientSampleId :
AREA-1-COMPOSITE

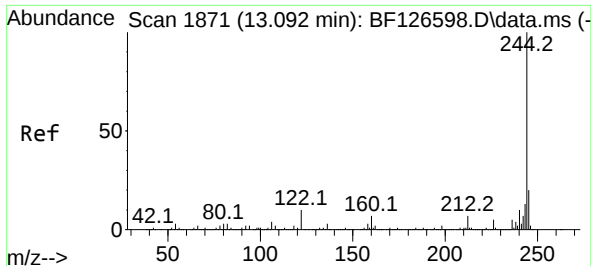
Tgt Ion:240 Resp: 291021
Ion Ratio Lower Upper
240 100
120 9.7 14.4 21.6#
236 25.3 20.5 30.7



#77
Benzidine
Concen: 2.042 ng
RT: 13.086 min Scan# 1870
Delta R.T. 0.253 min
Lab File: BF126640.D
Acq: 24 Jan 2022 15:50

Tgt Ion:184 Resp: 20496
Ion Ratio Lower Upper
184 100
185 16.8 11.8 17.8
183 9.6 8.2 12.2

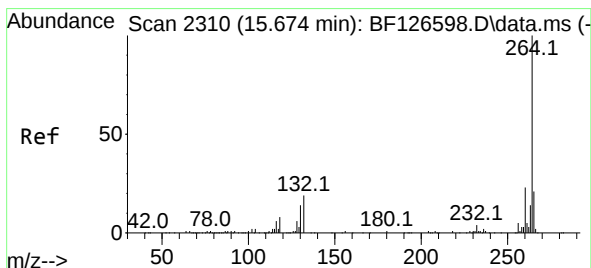
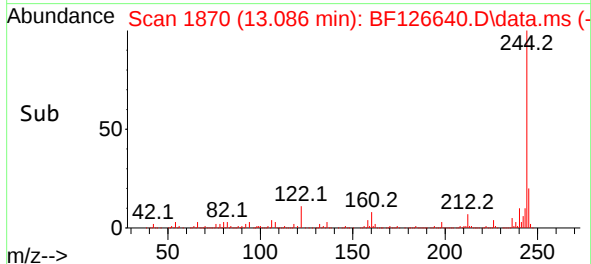
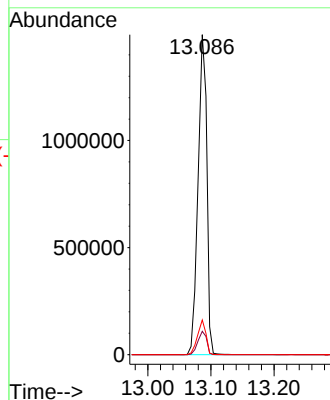
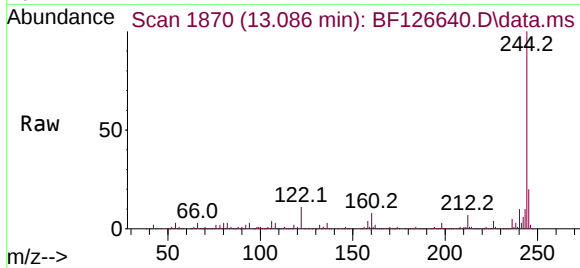




#79
 Terphenyl-d14
 Concen: 82.707 ng
 RT: 13.086 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126640.D
 Acq: 24 Jan 2022 15:50

Instrument :
 BNA_F
 ClientSampleId :
 AREA-1-COMPOSITE

Tgt Ion:244 Resp: 1435048
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.0 7.4
 122 10.9 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: BF126640.D
 Acq: 24 Jan 2022 15:50

Tgt Ion:264 Resp: 230188
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 21.0 17.4 26.2

