

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021522\
 Data File : BF126903.D
 Acq On : 15 Feb 2022 20:35
 Operator : CG\JU
 Sample : SP5822
 Misc : 8270 SURROGATE
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP5822

Quant Time: Feb 16 00:21:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 10 00:44:00 2022
 Response via : Initial Calibration

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

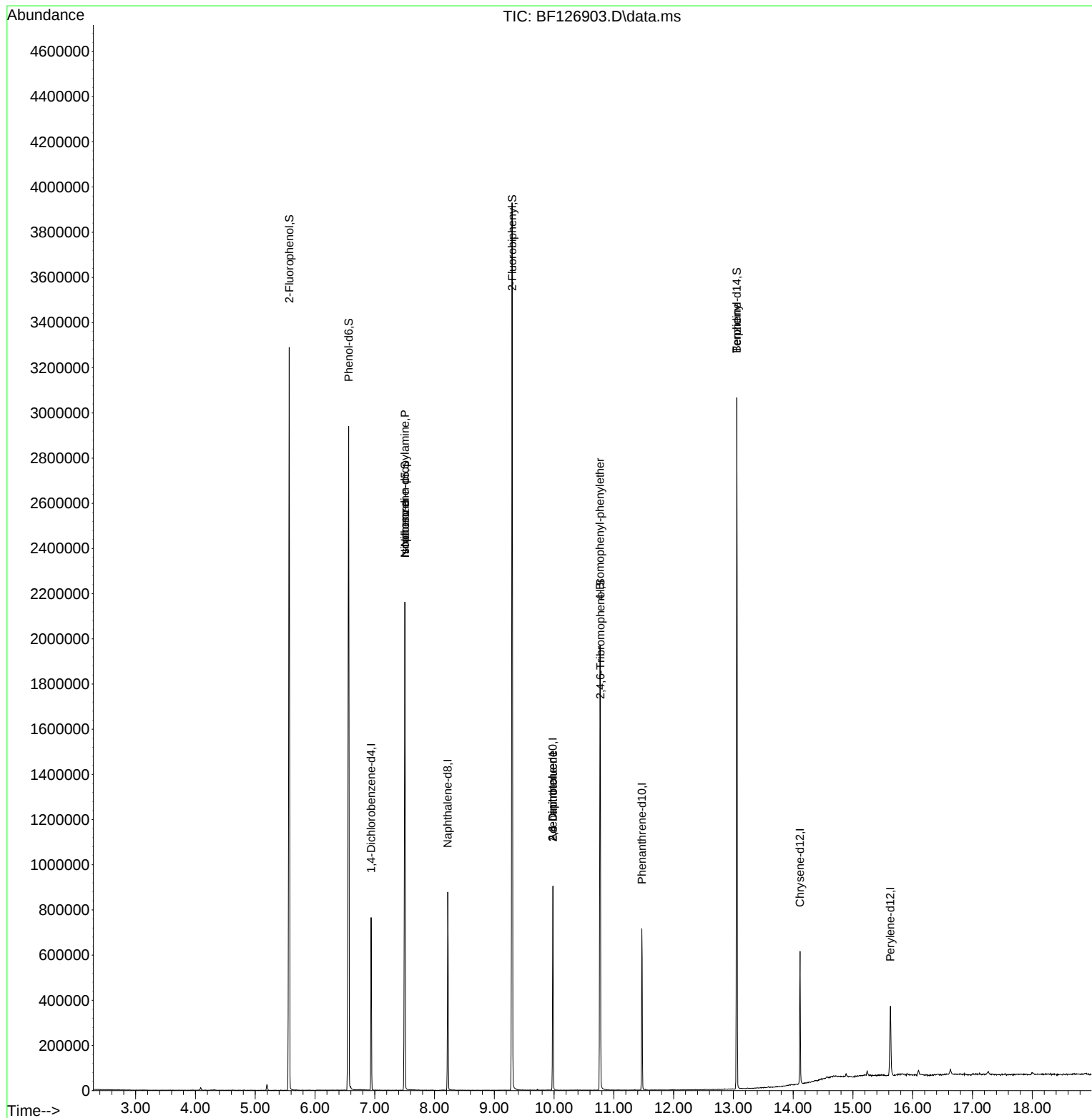
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	92403	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	360721	20.000	ng	0.00
39) Acenaphthene-d10	9.980	164	162931	20.000	ng	0.00
64) Phenanthrene-d10	11.468	188	243329	20.000	ng	0.00
76) Chrysene-d12	14.115	240	181458	20.000	ng	0.00
86) Perylene-d12	15.627	264	129672	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	804702	134.083	ng	0.01
7) Phenol-d6	6.563	99	1033741	127.591	ng	0.00
23) Nitrobenzene-d5	7.504	82	732790	93.731	ng	0.00
42) 2,4,6-Tribromophenol	10.774	330	214882	123.019	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	1076700	99.474	ng	0.00
79) Terphenyl-d14	13.057	244	978760	77.325	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.504	70	99719	19.436	ng	# 77
25) Isophorone	7.504	82	732784	55.945	ng	# 68
51) 2,6-Dinitrotoluene	9.980	165	21666	9.282	ng	# 21
57) 2,4-Dinitrotoluene	9.980	165	21666	7.020	ng	# 16
67) 4-Bromophenyl-phenylether	10.769	248	12870	4.867	ng	# 1
77) Benzidine	13.057	184	14649	3.068	ng	# 94

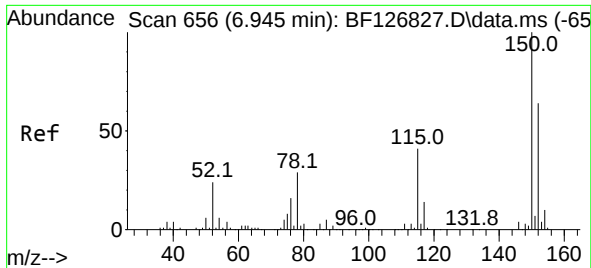
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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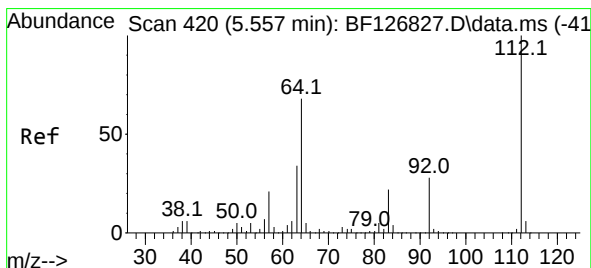
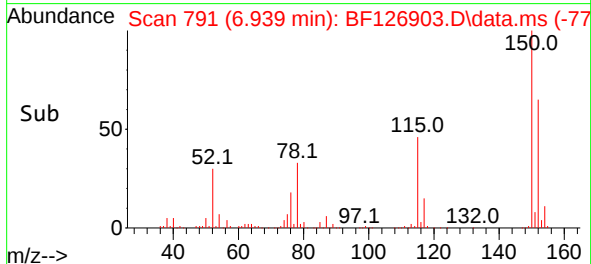
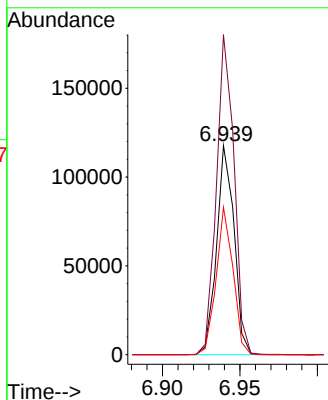
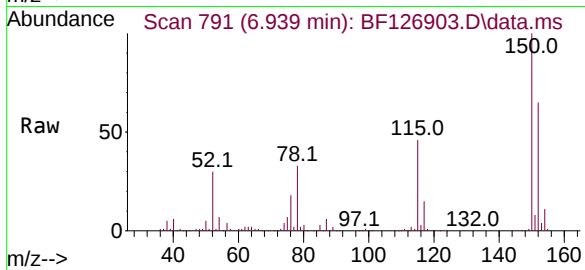




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF126903.D
Acq: 15 Feb 2022 20:35

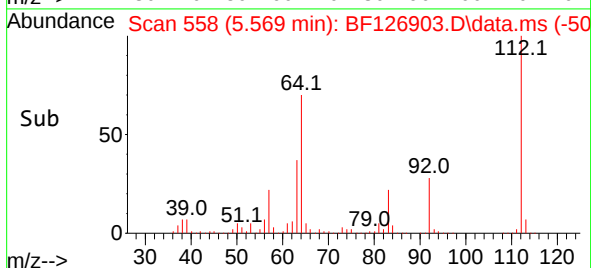
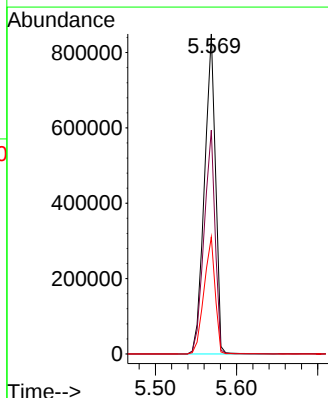
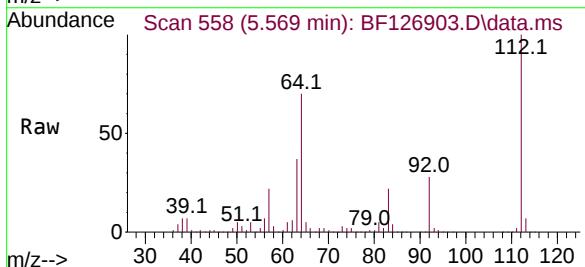
Instrument :
BNA_F
ClientSampleId :
SP5822

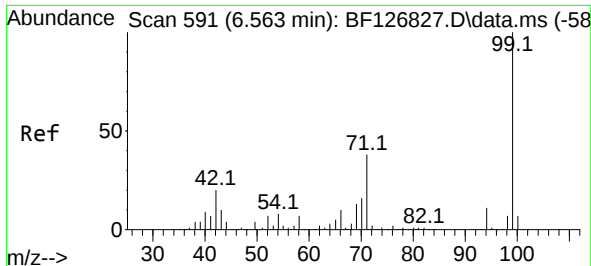
Tgt Ion:152 Resp: 92403
Ion Ratio Lower Upper
152 100
150 153.0 124.3 186.5
115 70.5 50.5 75.7



#5
2-Fluorophenol
Concen: 134.083 ng
RT: 5.569 min Scan# 558
Delta R.T. 0.012 min
Lab File: BF126903.D
Acq: 15 Feb 2022 20:35

Tgt Ion:112 Resp: 804702
Ion Ratio Lower Upper
112 100
64 70.0 54.3 81.5
63 36.6 27.5 41.3





#7

Phenol-d6

Concen: 127.591 ng

RT: 6.563 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF126903.D

Acq: 15 Feb 2022 20:35

Instrument :

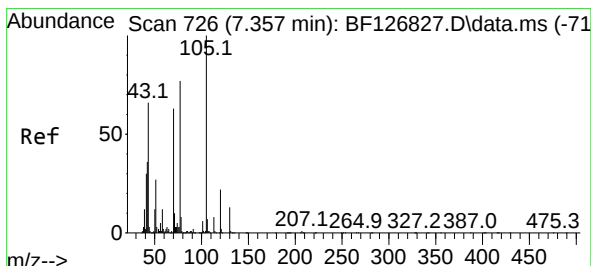
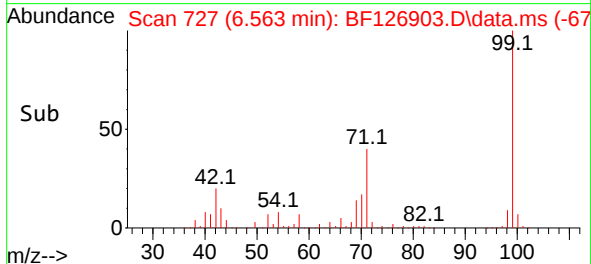
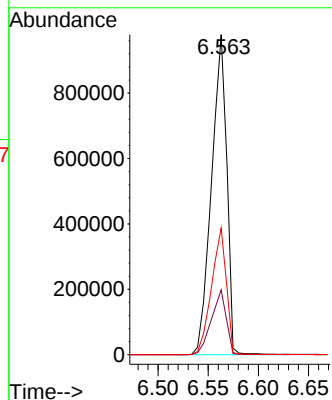
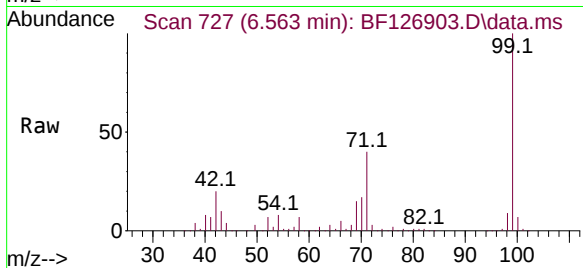
BNA_F

ClientSampleId :

SP5822

Tgt Ion: 99 Resp: 1033741

Ion	Ratio	Lower	Upper
99	100		
42	20.3	15.8	23.6
71	39.6	30.6	45.8



#19

n-Nitroso-di-n-propylamine

Concen: 19.436 ng

RT: 7.504 min Scan# 887

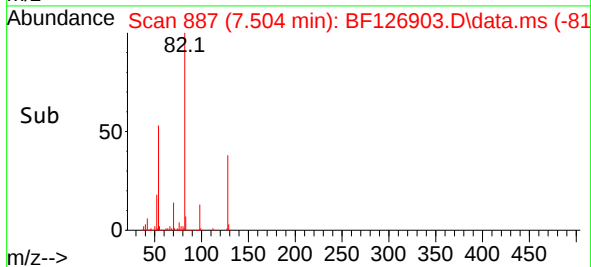
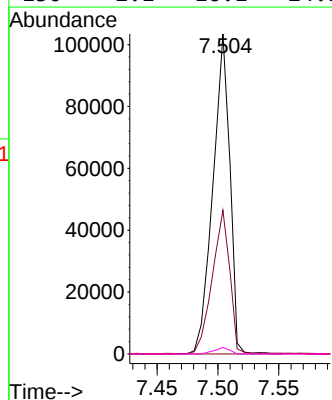
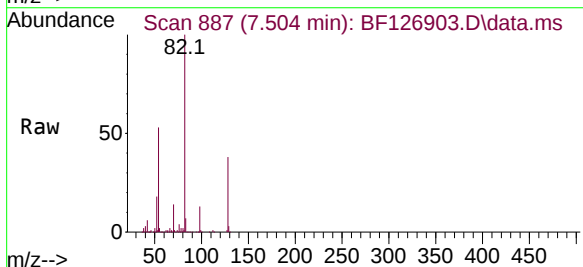
Delta R.T. 0.147 min

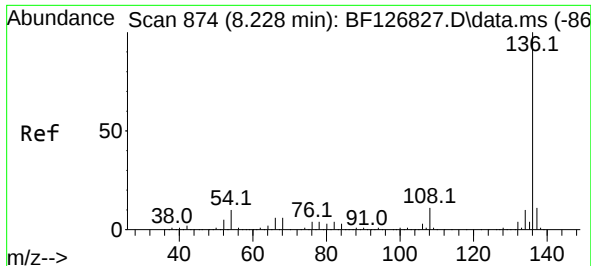
Lab File: BF126903.D

Acq: 15 Feb 2022 20:35

Tgt Ion: 70 Resp: 99719

Ion	Ratio	Lower	Upper
70	100		
42	44.9	46.3	69.5#
101	0.0	7.5	11.3#
130	2.1	16.1	24.1#

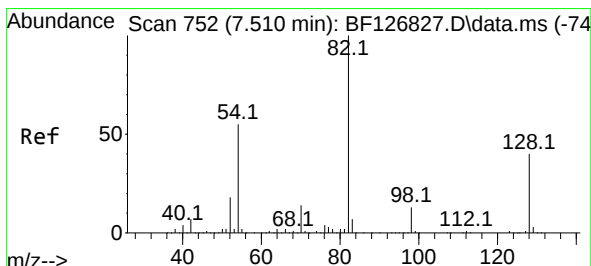
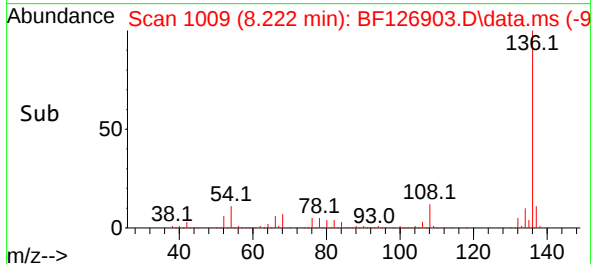
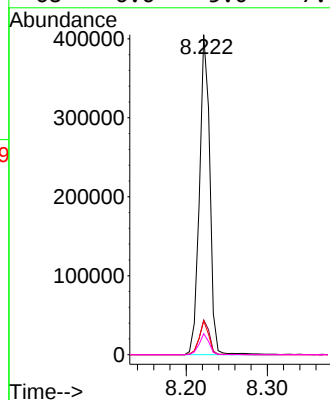
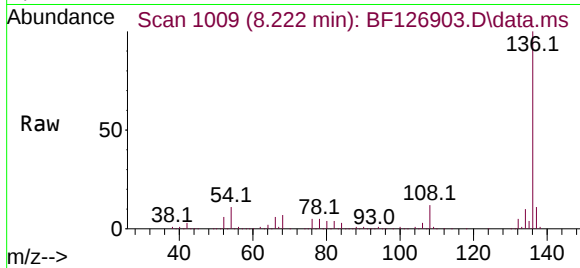




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF126903.D
Acq: 15 Feb 2022 20:35

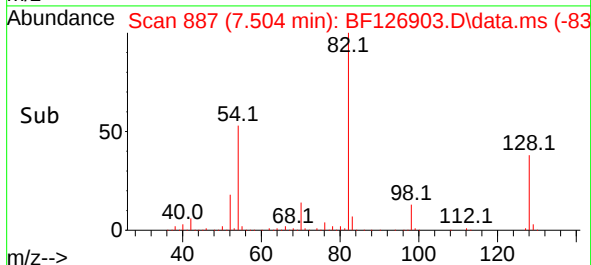
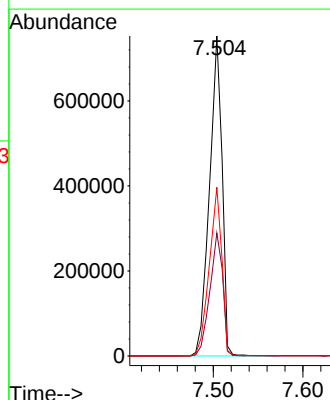
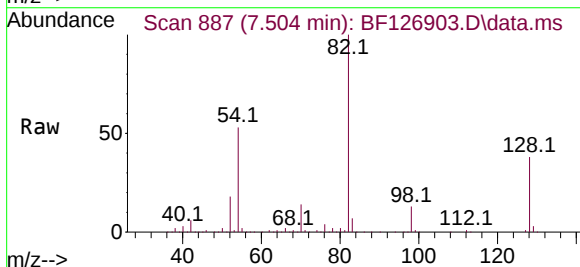
Instrument :
BNA_F
ClientSampleId :
SP5822

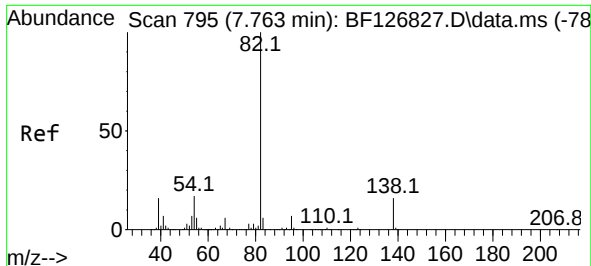
Tgt Ion:136 Resp: 360721
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 10.5 8.0 12.0
68 6.6 5.0 7.6



#23
Nitrobenzene-d5
Concen: 93.731 ng
RT: 7.504 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF126903.D
Acq: 15 Feb 2022 20:35

Tgt Ion: 82 Resp: 732790
Ion Ratio Lower Upper
82 100
128 38.4 31.6 47.4
54 52.7 43.7 65.5

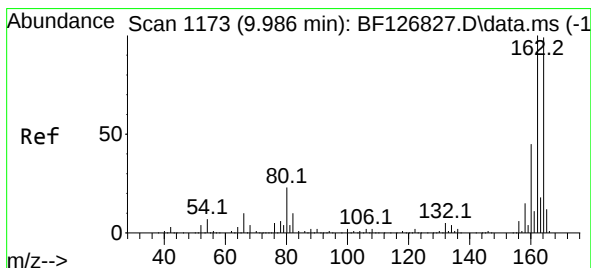
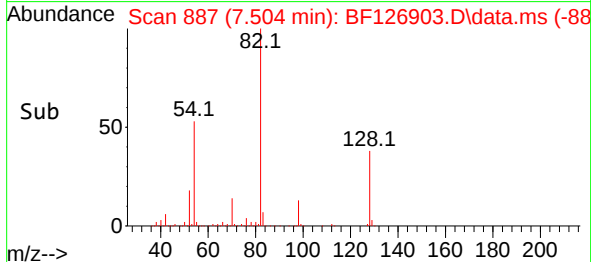
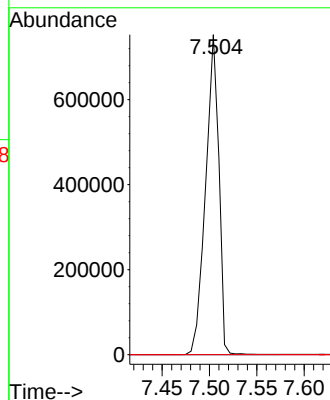
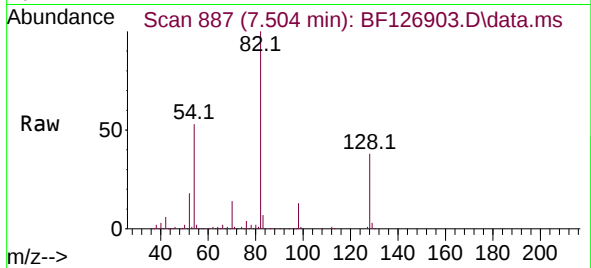




#25
Isophorone
Concen: 55.945 ng
RT: 7.504 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF126903.D
Acq: 15 Feb 2022 20:35

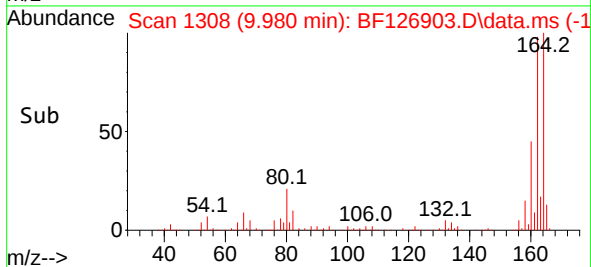
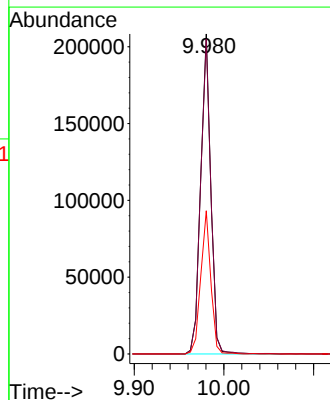
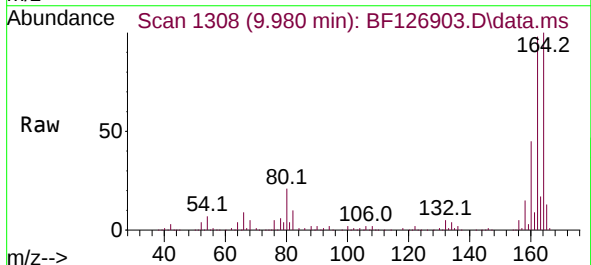
Instrument :
BNA_F
ClientSampleId :
SP5822

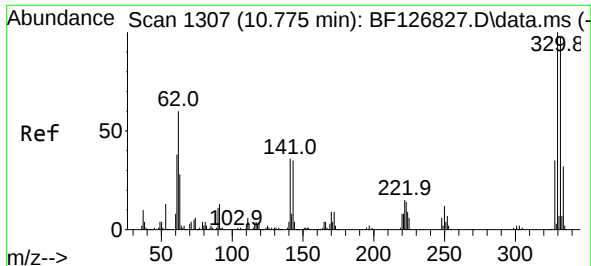
Tgt Ion: 82 Resp: 732784
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 12.6 19.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.980 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF126903.D
Acq: 15 Feb 2022 20:35

Tgt Ion:164 Resp: 162931
Ion Ratio Lower Upper
164 100
162 98.4 80.9 121.3
160 44.8 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 123.019 ng

RT: 10.774 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF126903.D

Acq: 15 Feb 2022 20:35

Instrument :

BNA_F

ClientSampleId :

SP5822

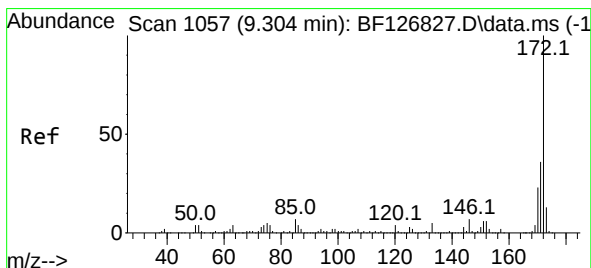
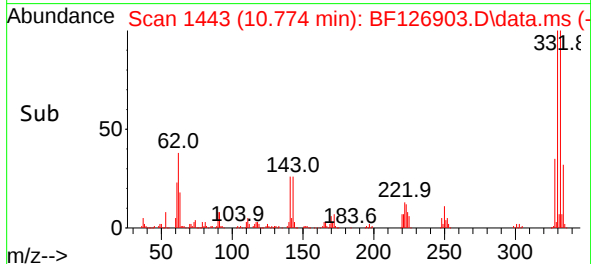
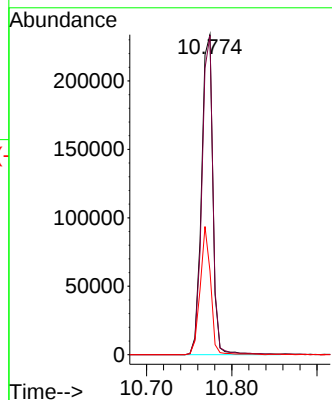
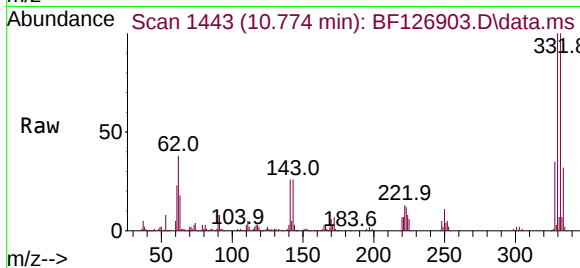
Tgt Ion:330 Resp: 214882

Ion Ratio Lower Upper

330 100

332 97.5 78.2 117.4

141 36.9 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 99.474 ng

RT: 9.298 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF126903.D

Acq: 15 Feb 2022 20:35

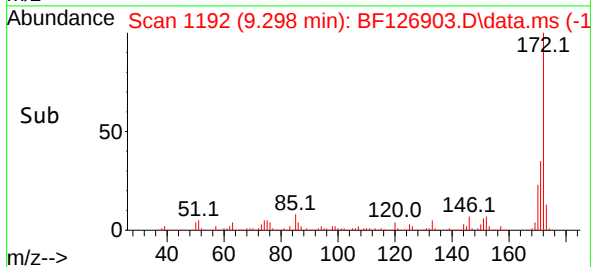
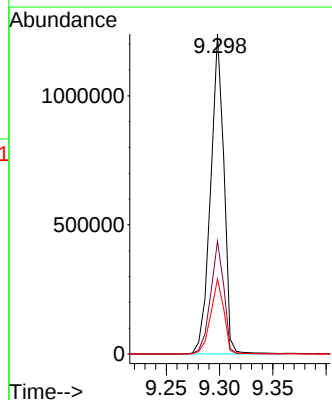
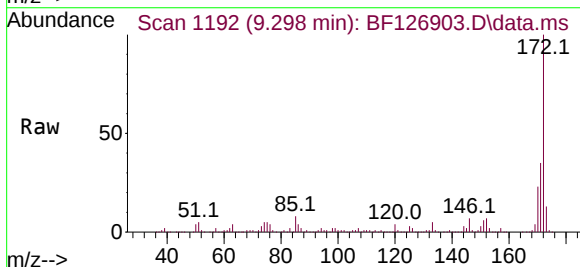
Tgt Ion:172 Resp: 1076700

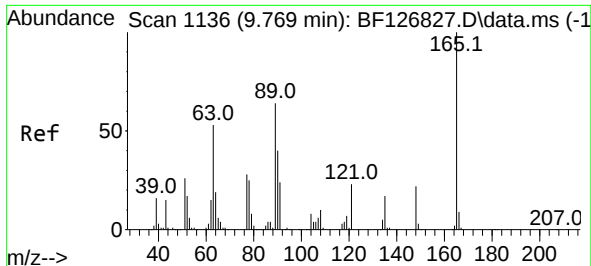
Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

170 23.4 18.7 28.1

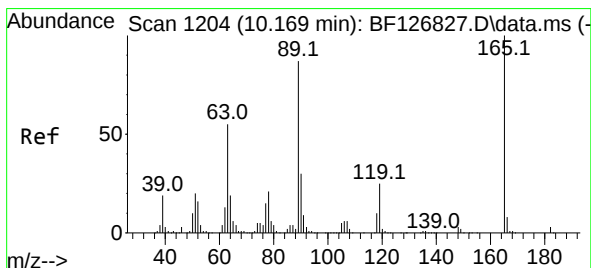
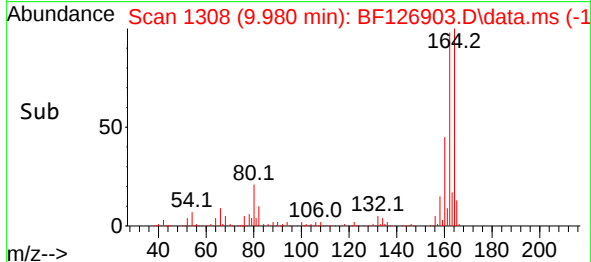
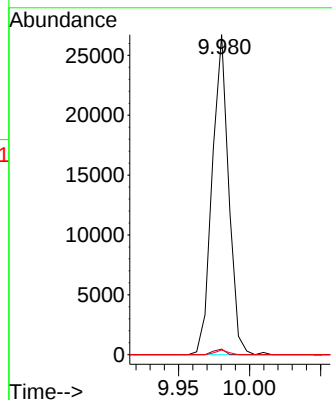
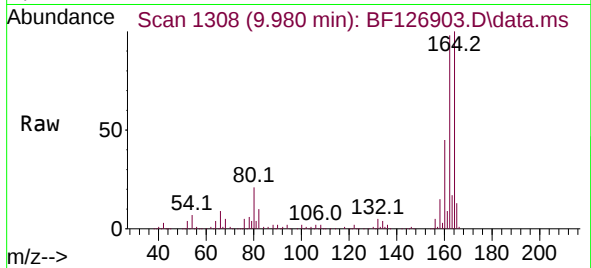




#51
2,6-Dinitrotoluene
Concen: 9.282 ng
RT: 9.980 min Scan# 1136
Delta R.T. 0.211 min
Lab File: BF126903.D
Acq: 15 Feb 2022 20:35

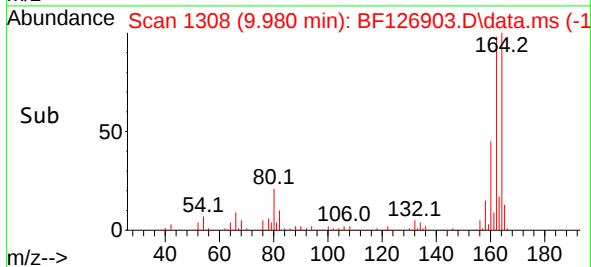
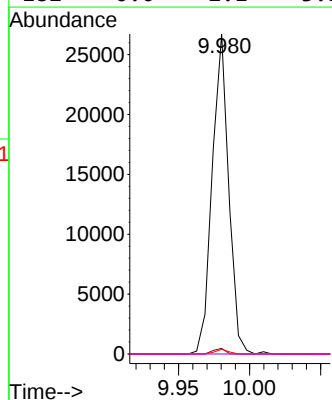
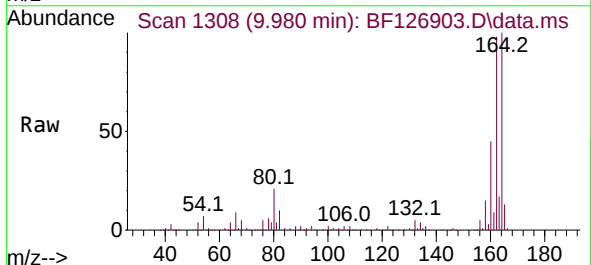
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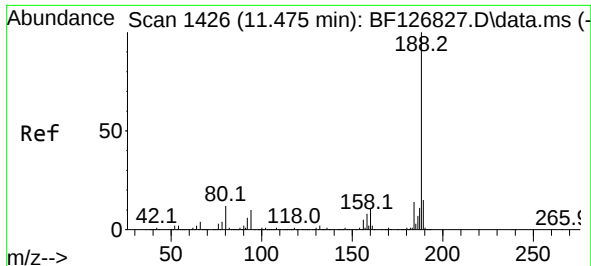
Tgt Ion:165 Resp: 21666
Ion Ratio Lower Upper
165 100
63 1.8 49.9 74.9#
89 1.5 51.0 76.4#



#57
2,4-Dinitrotoluene
Concen: 7.020 ng
RT: 9.980 min Scan# 1308
Delta R.T. -0.188 min
Lab File: BF126903.D
Acq: 15 Feb 2022 20:35

Tgt Ion:165 Resp: 21666
Ion Ratio Lower Upper
165 100
63 1.8 43.9 65.9#
89 1.5 69.8 104.8#
182 0.0 2.1 3.1#

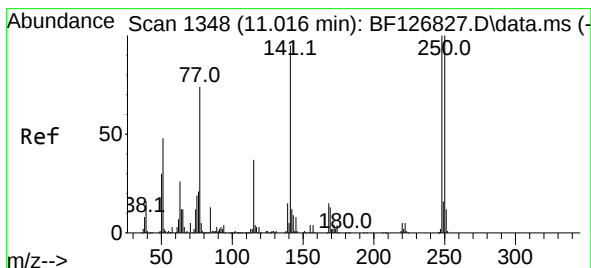
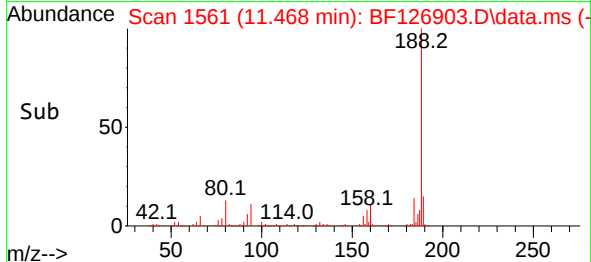
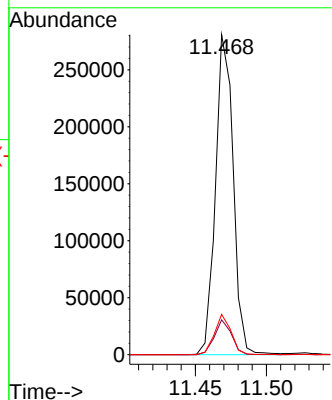
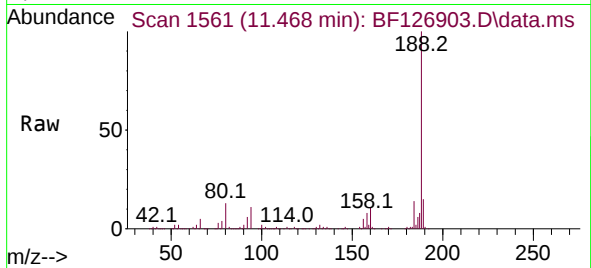




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.468 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126903.D
Acq: 15 Feb 2022 20:35

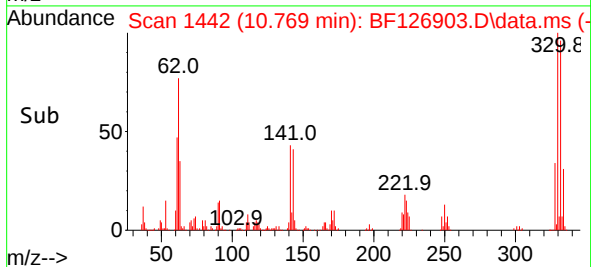
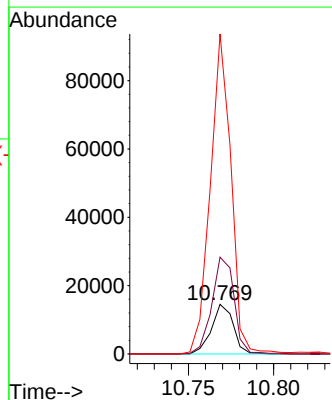
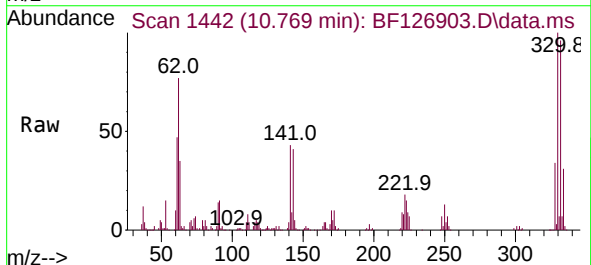
Instrument :
BNA_F
ClientSampleId :
SP5822

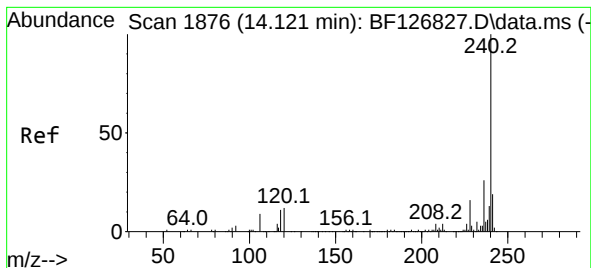
Tgt Ion:188 Resp: 243329
Ion Ratio Lower Upper
188 100
94 10.9 8.1 12.1
80 12.6 9.5 14.3



#67
4-Bromophenyl-phenylether
Concen: 4.867 ng
RT: 10.769 min Scan# 1442
Delta R.T. -0.247 min
Lab File: BF126903.D
Acq: 15 Feb 2022 20:35

Tgt Ion:248 Resp: 12870
Ion Ratio Lower Upper
248 100
250 195.2 80.0 120.0#
141 645.3 75.6 113.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.115 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF126903.D

Acq: 15 Feb 2022 20:35

Instrument :

BNA_F

ClientSampleId :

SP5822

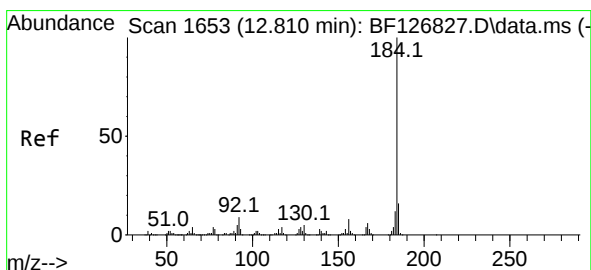
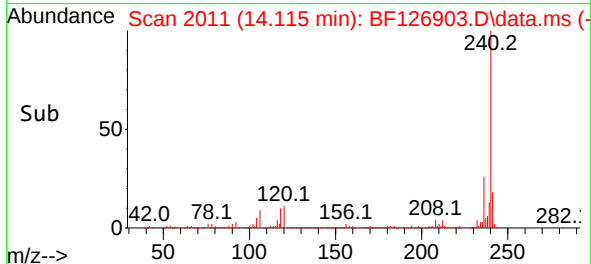
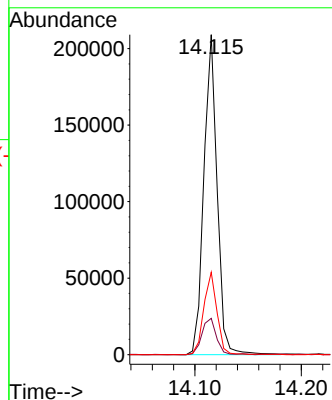
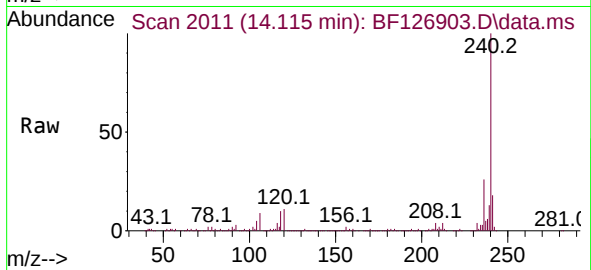
Tgt Ion:240 Resp: 181458

Ion Ratio Lower Upper

240 100

120 11.3 9.8 14.6

236 25.7 20.5 30.7



#77

Benzdine

Concen: 3.068 ng

RT: 13.057 min Scan# 1831

Delta R.T. 0.247 min

Lab File: BF126903.D

Acq: 15 Feb 2022 20:35

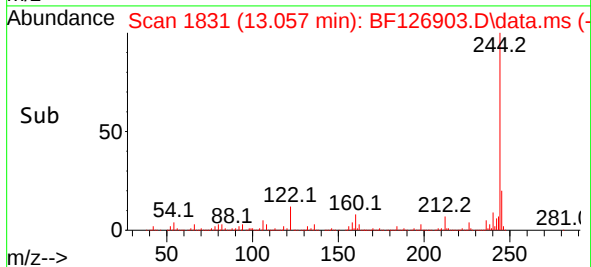
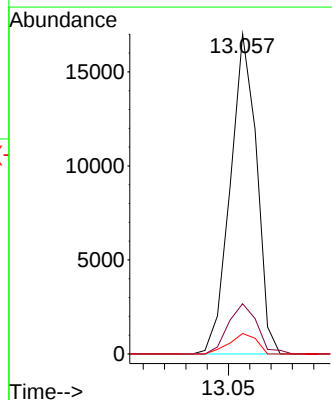
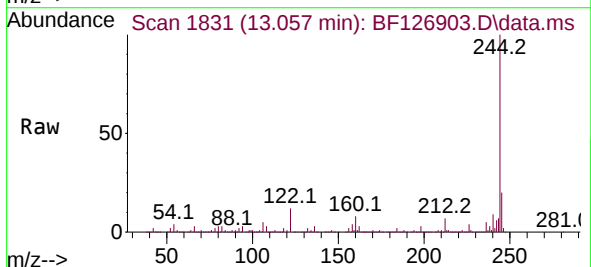
Tgt Ion:184 Resp: 14649

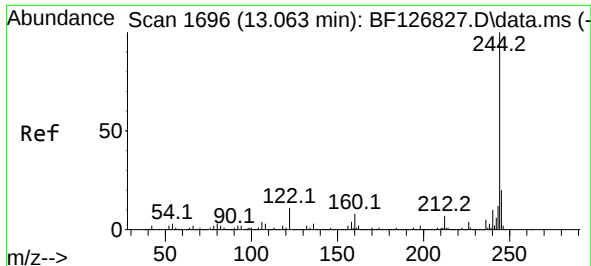
Ion Ratio Lower Upper

184 100

185 15.7 12.5 18.7

183 6.4 9.6 14.4#

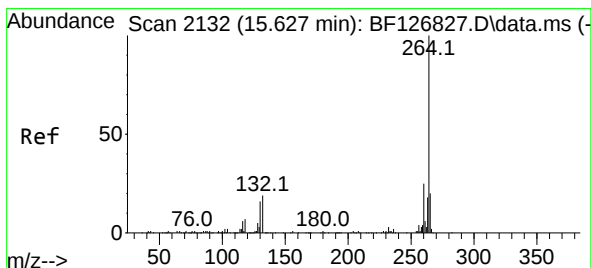
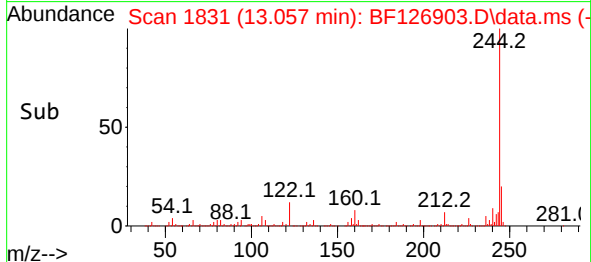
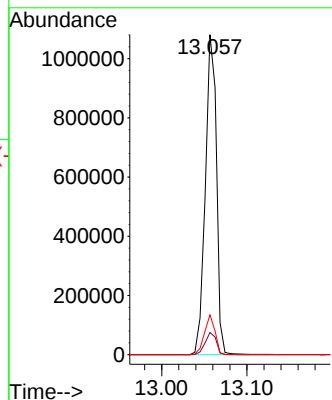
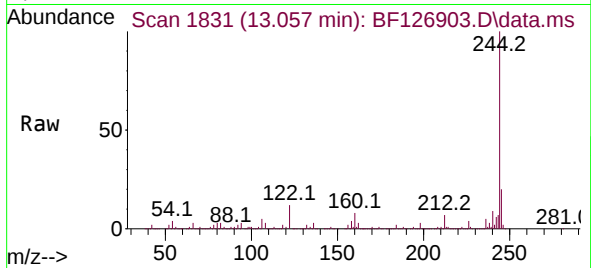




#79
 Terphenyl-d14
 Concen: 77.325 ng
 RT: 13.057 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126903.D
 Acq: 15 Feb 2022 20:35

Instrument :
 BNA_F
 ClientSampleId :
 SP5822

Tgt Ion:244 Resp: 978760
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 12.4 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.627 min Scan# 2268
 Delta R.T. -0.000 min
 Lab File: BF126903.D
 Acq: 15 Feb 2022 20:35

Tgt Ion:264 Resp: 129672
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.6 29.4
 265 20.9 15.9 23.9

