

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021122\
 Data File : BF126856.D
 Acq On : 11 Feb 2022 14:38
 Operator : CG\JU
 Sample : N1477-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

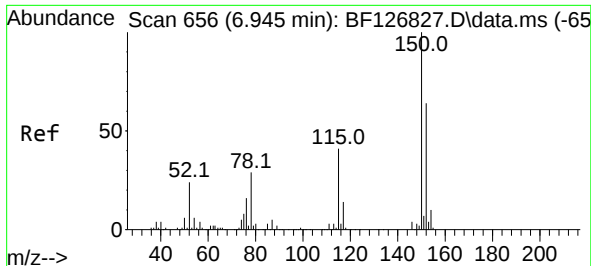
Instrument :
 BNA_F
 ClientSampleId :
 20220079-BERKELEY-7-COMP

Quant Time: Feb 11 22:42:16 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	116771	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	479380	20.000	ng	0.00
39) Acenaphthene-d10	9.980	164	254879	20.000	ng	0.00
64) Phenanthrene-d10	11.468	188	474426	20.000	ng	0.00
76) Chrysene-d12	14.115	240	305855	20.000	ng	0.00
86) Perylene-d12	15.621	264	222094	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	982365	129.528	ng	0.00
7) Phenol-d6	6.563	99	1310376	127.984	ng	0.00
23) Nitrobenzene-d5	7.504	82	909969	87.584	ng	0.00
42) 2,4,6-Tribromophenol	10.774	330	371196	135.846	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	1171207	69.170	ng	0.00
79) Terphenyl-d14	13.057	244	1204323	56.448	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.569	94	24989	2.421	ng	# 78
19) n-Nitroso-di-n-propyla...	7.504	70	122920	18.958	ng	# 79
25) Isophorone	7.504	82	909952	52.275	ng	# 68
51) 2,6-Dinitrotoluene	9.980	165	32167	8.809	ng	# 21
57) 2,4-Dinitrotoluene	9.980	165	32167	6.663	ng	# 16
67) 4-Bromophenyl-phenylether	10.769	248	22913	4.444	ng	# 1
77) Benzidine	13.057	184	18043	2.242	ng	# 96

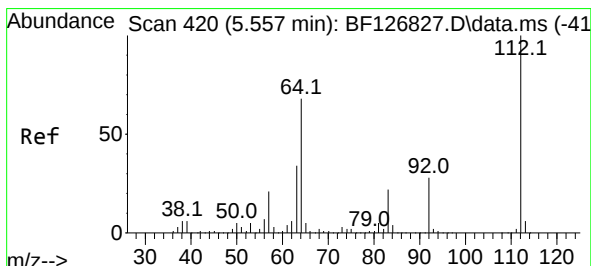
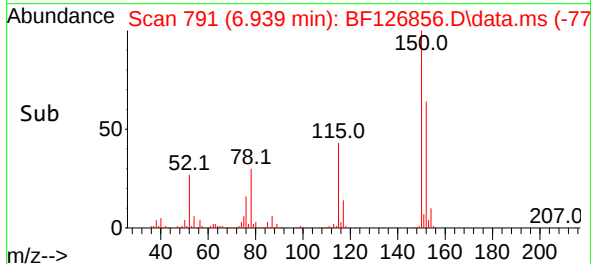
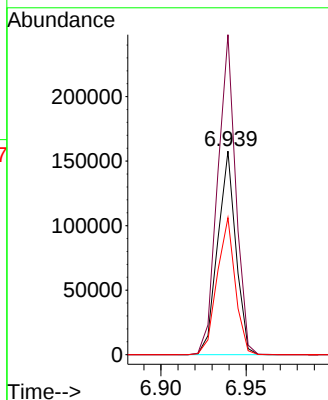
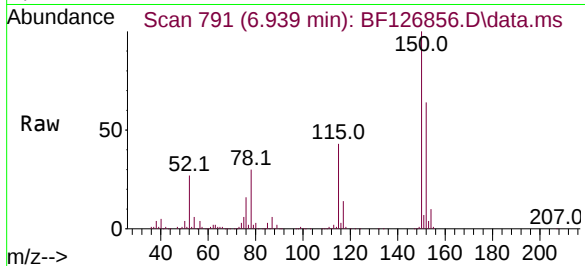
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF126856.D
Acq: 11 Feb 2022 14:38

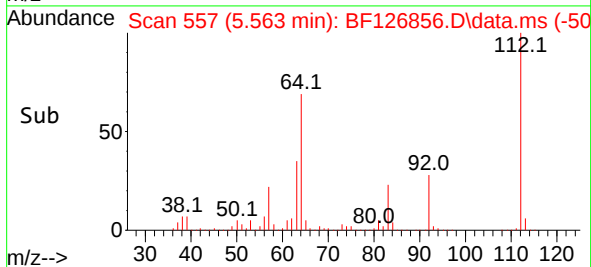
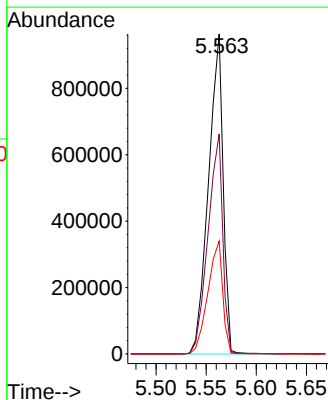
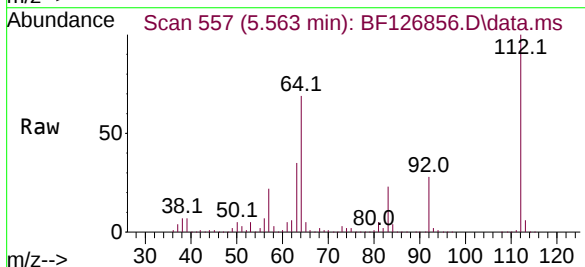
Instrument :
BNA_F
ClientSampleId :
20220079-BERKELEY-7-COMP

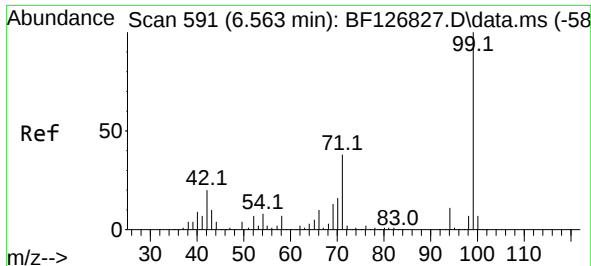
Tgt Ion:152 Resp: 116771
Ion Ratio Lower Upper
152 100
150 157.3 124.3 186.5
115 67.3 50.5 75.7



#5
2-Fluorophenol
Concen: 129.528 ng
RT: 5.563 min Scan# 557
Delta R.T. 0.006 min
Lab File: BF126856.D
Acq: 11 Feb 2022 14:38

Tgt Ion:112 Resp: 982365
Ion Ratio Lower Upper
112 100
64 68.7 54.3 81.5
63 35.3 27.5 41.3





#7

Phenol-d6

Concen: 127.984 ng

RT: 6.563 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF126856.D

Acq: 11 Feb 2022 14:38

Instrument :

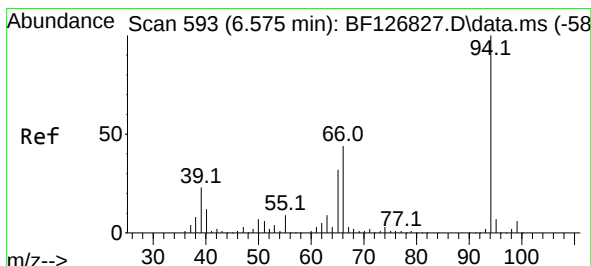
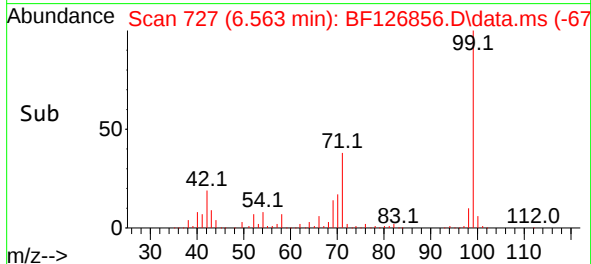
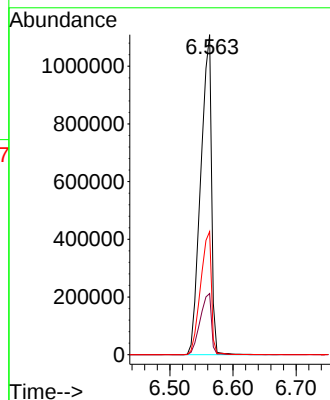
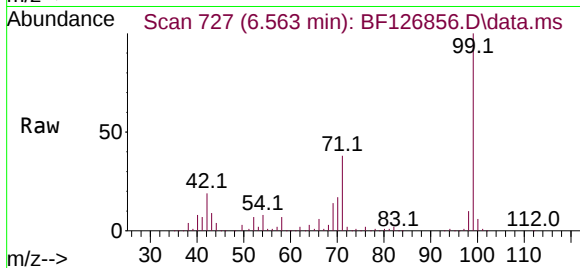
BNA_F

ClientSampleId :

20220079-BERKELEY-7-COMP

Tgt Ion: 99 Resp: 1310376

Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.8	23.6
71	38.5	30.6	45.8



#10

Phenol

Concen: 2.421 ng

RT: 6.569 min Scan# 728

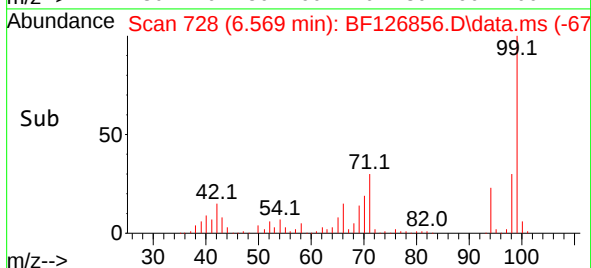
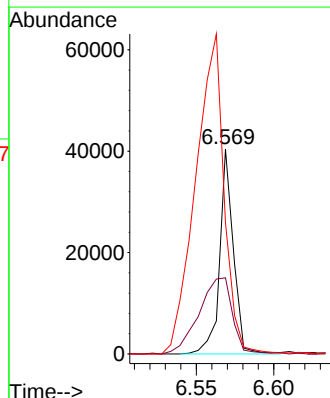
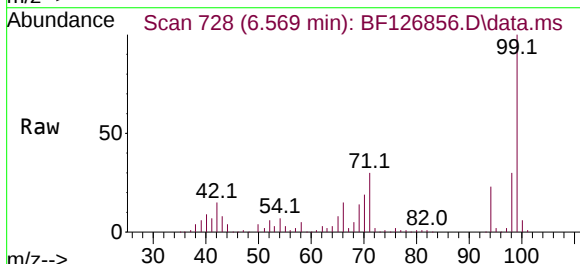
Delta R.T. -0.006 min

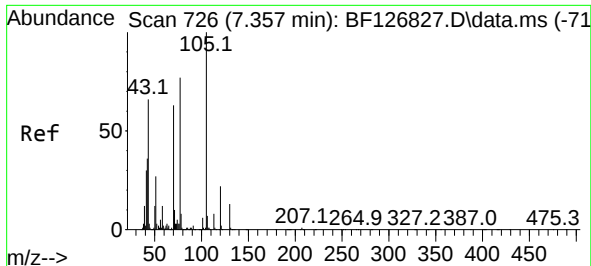
Lab File: BF126856.D

Acq: 11 Feb 2022 14:38

Tgt Ion: 94 Resp: 24989

Ion	Ratio	Lower	Upper
94	100		
65	37.2	12.1	52.1
66	64.2	23.6	63.6

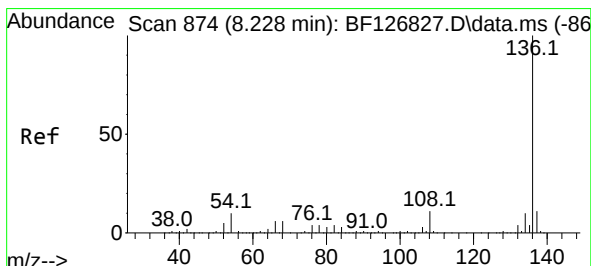
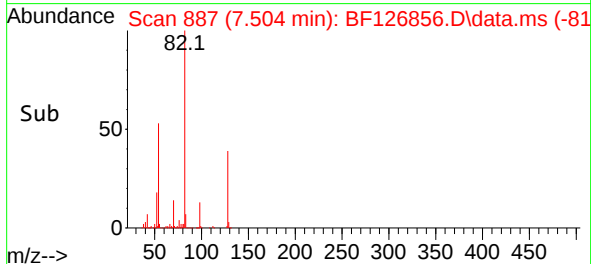
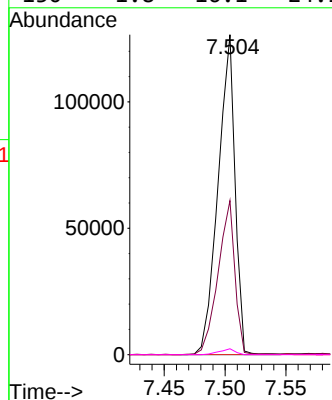
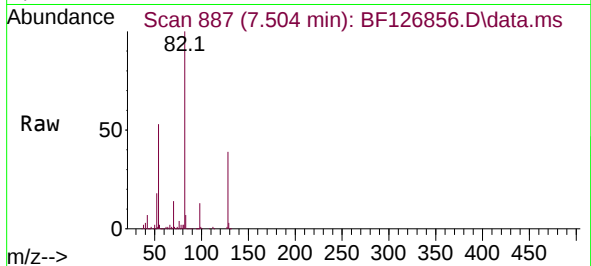




#19
n-Nitroso-di-n-propylamine
Concen: 18.958 ng
RT: 7.504 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF126856.D
Acq: 11 Feb 2022 14:38

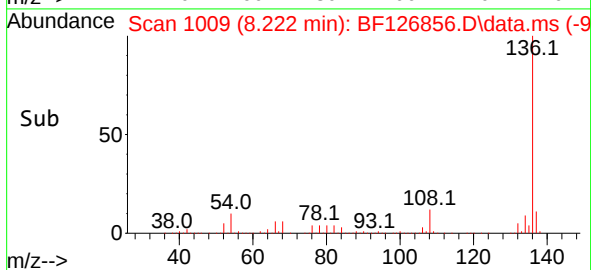
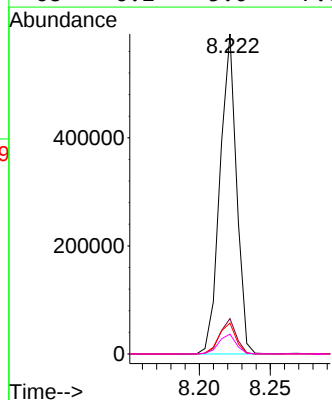
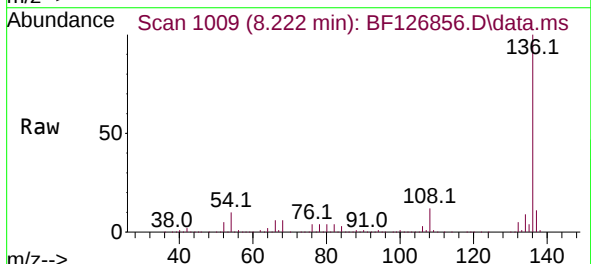
Instrument :
BNA_F
ClientSampleId :
20220079-BERKELEY-7-COMP

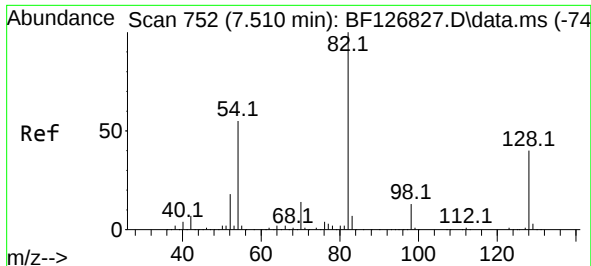
Tgt Ion: 70 Resp: 122920
Ion Ratio Lower Upper
70 100
42 48.2 46.3 69.5
101 0.0 7.5 11.3#
130 1.8 16.1 24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF126856.D
Acq: 11 Feb 2022 14:38

Tgt Ion:136 Resp: 479380
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 9.7 8.0 12.0
68 6.2 5.0 7.6





#23

Nitrobenzene-d5

Concen: 87.584 ng

RT: 7.504 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF126856.D

Acq: 11 Feb 2022 14:38

Instrument :

BNA_F

ClientSampleId :

20220079-BERKELEY-7-COMP

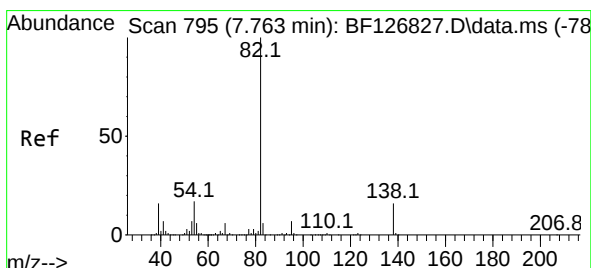
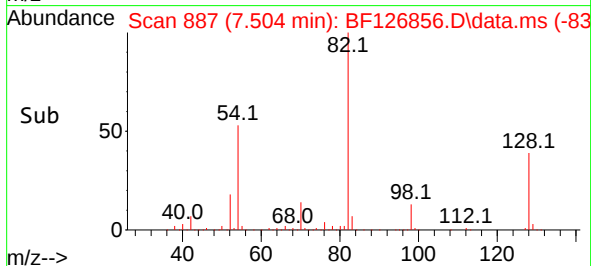
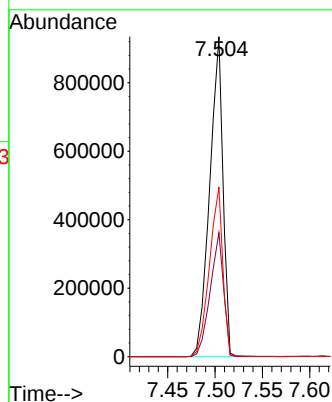
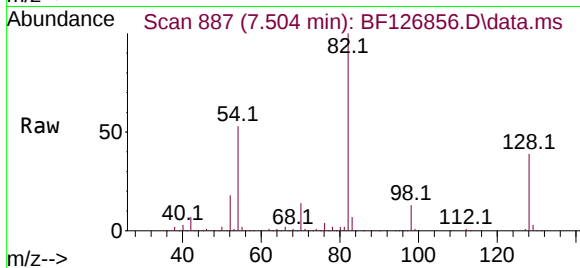
Tgt Ion: 82 Resp: 909969

Ion Ratio Lower Upper

82 100

128 38.8 31.6 47.4

54 53.1 43.7 65.5



#25

Isophorone

Concen: 52.275 ng

RT: 7.504 min Scan# 887

Delta R.T. -0.259 min

Lab File: BF126856.D

Acq: 11 Feb 2022 14:38

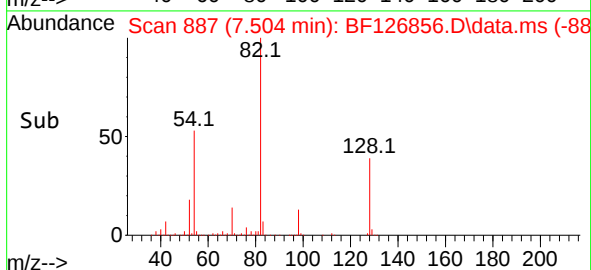
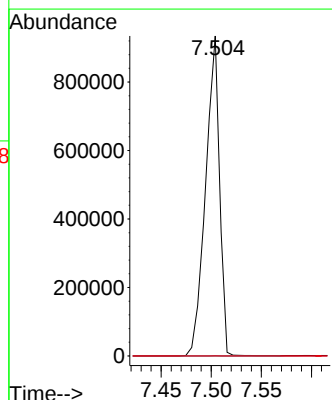
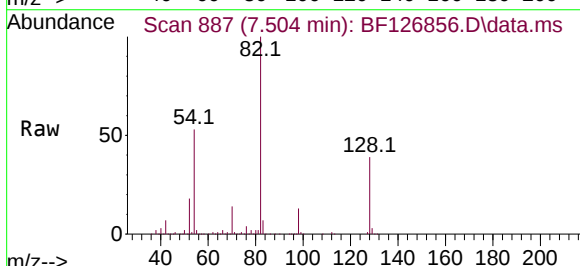
Tgt Ion: 82 Resp: 909952

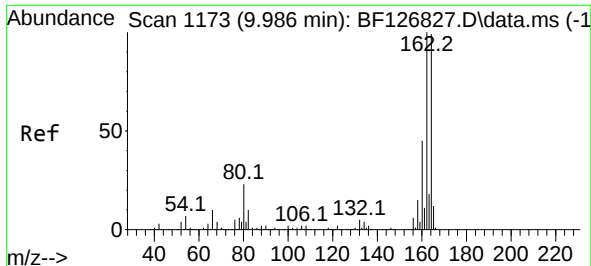
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF126856.D

Acq: 11 Feb 2022 14:38

Instrument :

BNA_F

ClientSampleId :

20220079-BERKELEY-7-COMP

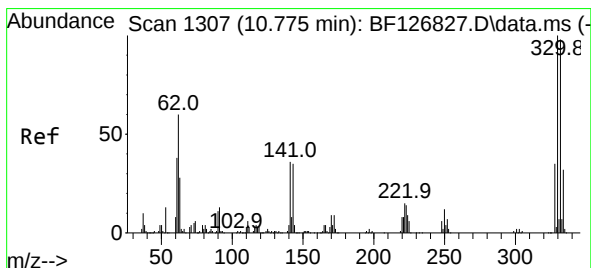
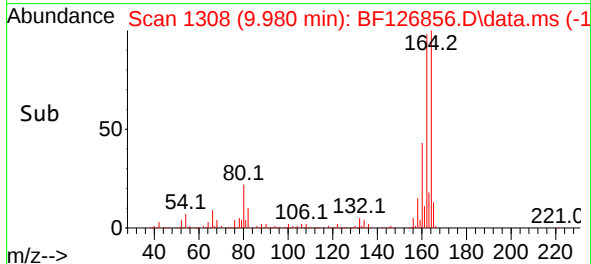
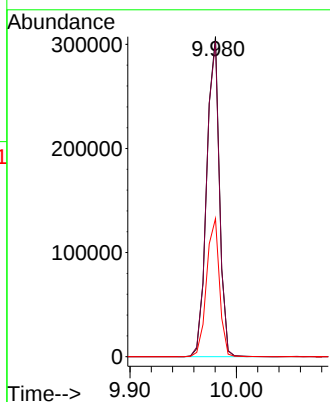
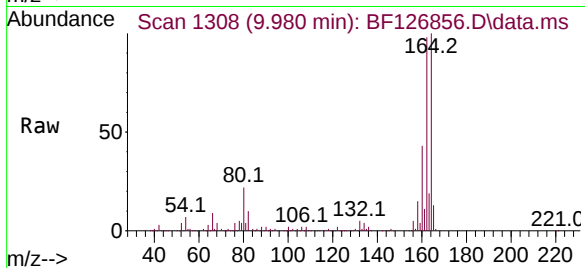
Tgt Ion:164 Resp: 254879

Ion Ratio Lower Upper

164 100

162 98.4 80.9 121.3

160 43.2 36.0 54.0



#42

2,4,6-Tribromophenol

Concen: 135.846 ng

RT: 10.774 min Scan# 1443

Delta R.T. -0.000 min

Lab File: BF126856.D

Acq: 11 Feb 2022 14:38

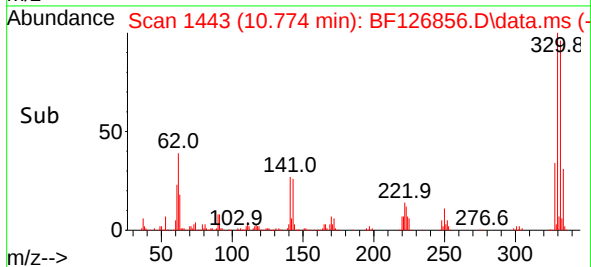
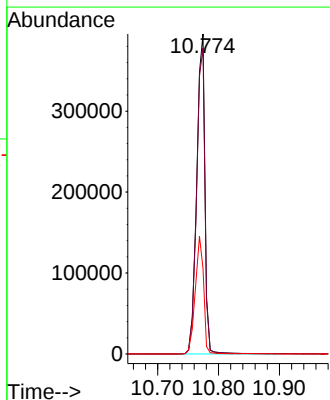
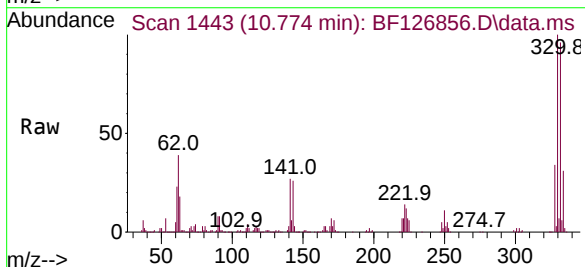
Tgt Ion:330 Resp: 371196

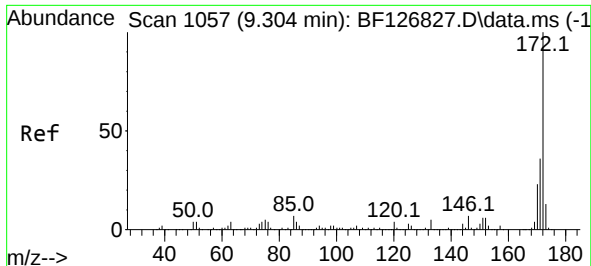
Ion Ratio Lower Upper

330 100

332 96.4 78.2 117.4

141 37.1 31.2 46.8





#45

2-Fluorobiphenyl

Concen: 69.170 ng

RT: 9.298 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF126856.D

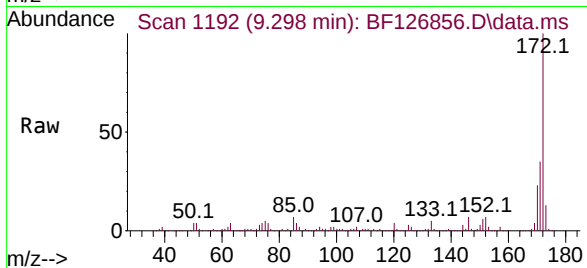
Acq: 11 Feb 2022 14:38

Instrument :

BNA_F

ClientSampleId :

20220079-BERKELEY-7-COMP



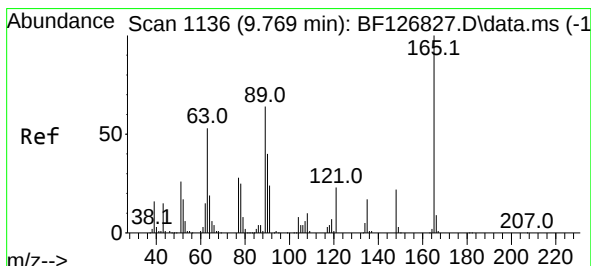
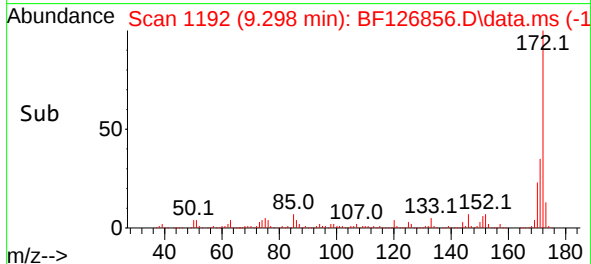
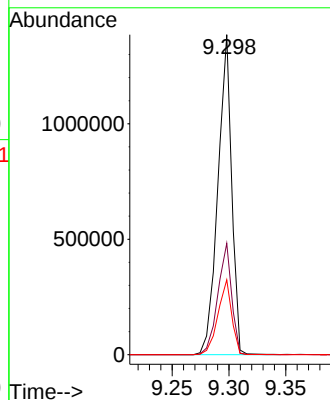
Tgt Ion:172 Resp: 1171207

Ion Ratio Lower Upper

172 100

171 34.8 28.5 42.7

170 23.4 18.7 28.1



#51

2,6-Dinitrotoluene

Concen: 8.809 ng

RT: 9.980 min Scan# 1308

Delta R.T. 0.211 min

Lab File: BF126856.D

Acq: 11 Feb 2022 14:38

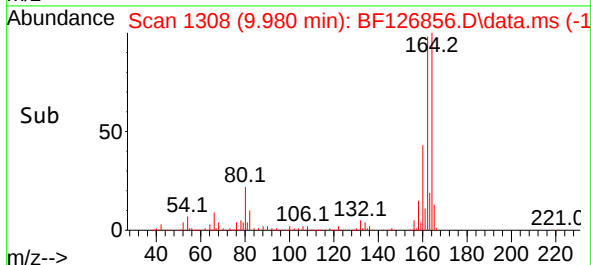
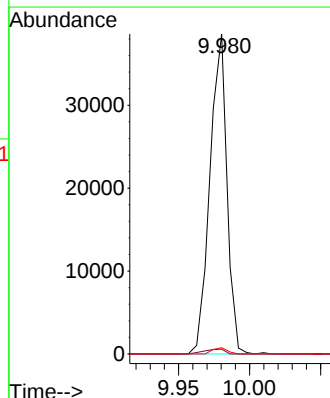
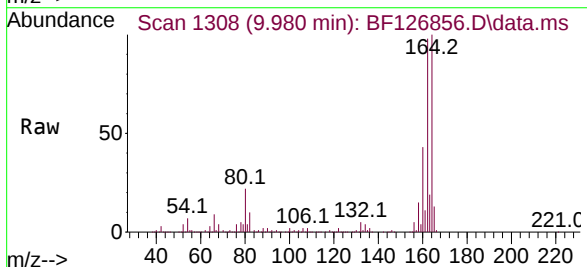
Tgt Ion:165 Resp: 32167

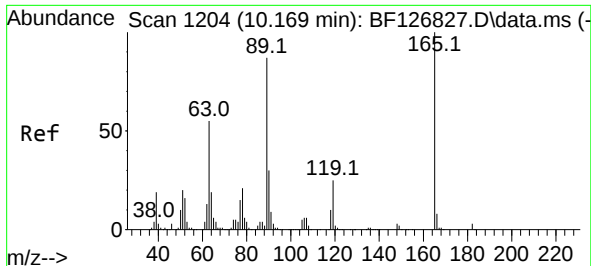
Ion Ratio Lower Upper

165 100

63 1.5 49.9 74.9#

89 1.9 51.0 76.4#

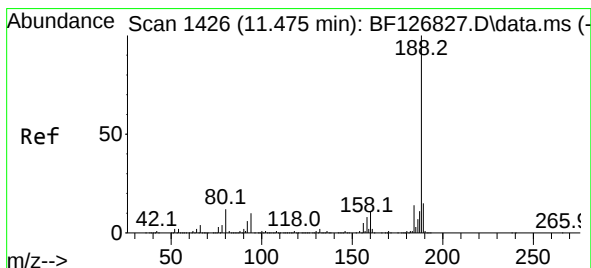
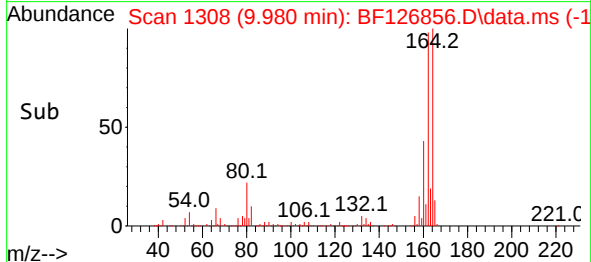
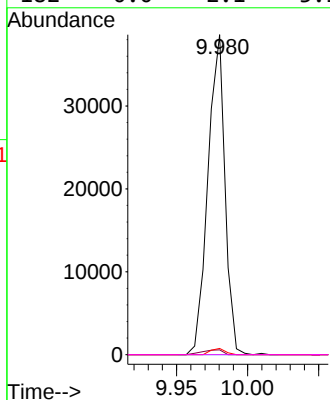
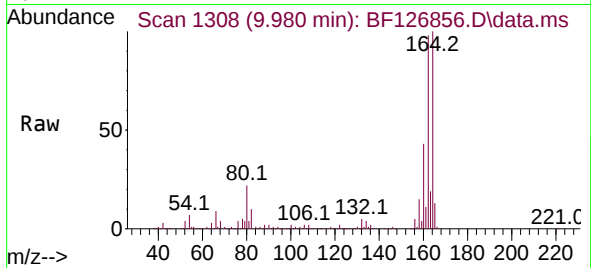




#57
2,4-Dinitrotoluene
Concen: 6.663 ng
RT: 9.980 min Scan# 1561
Delta R.T. -0.188 min
Lab File: BF126856.D
Acq: 11 Feb 2022 14:38

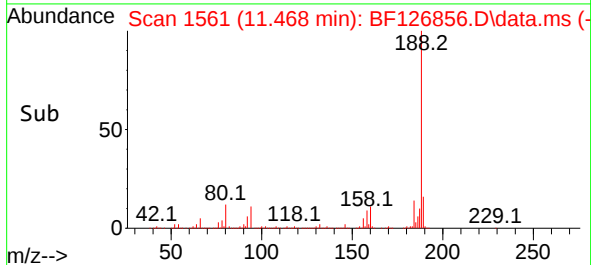
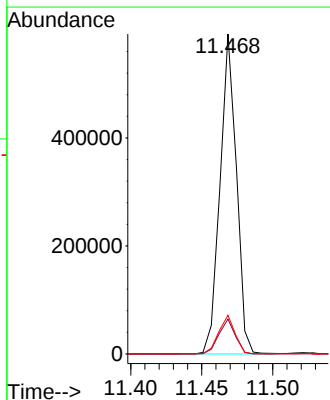
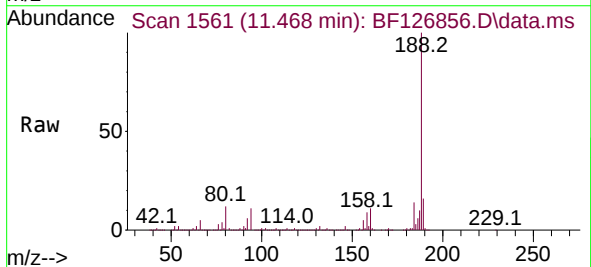
Instrument :
BNA_F
ClientSampleId :
20220079-BERKELEY-7-COMP

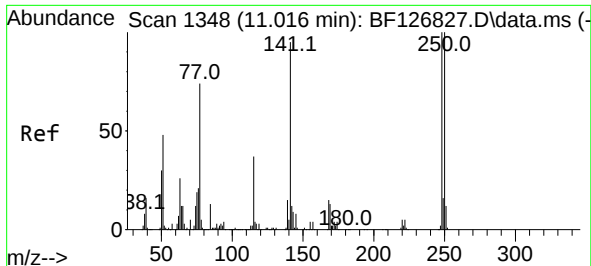
Tgt Ion:165 Resp: 32167
Ion Ratio Lower Upper
165 100
63 1.5 43.9 65.9#
89 1.9 69.8 104.8#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.468 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF126856.D
Acq: 11 Feb 2022 14:38

Tgt Ion:188 Resp: 474426
Ion Ratio Lower Upper
188 100
94 10.9 8.1 12.1
80 12.1 9.5 14.3

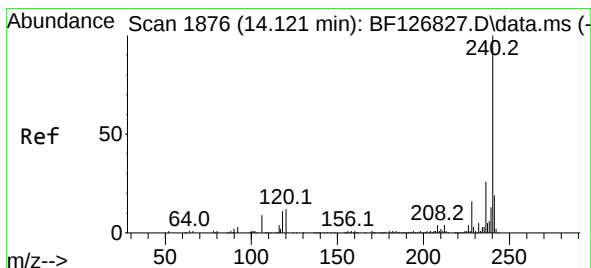
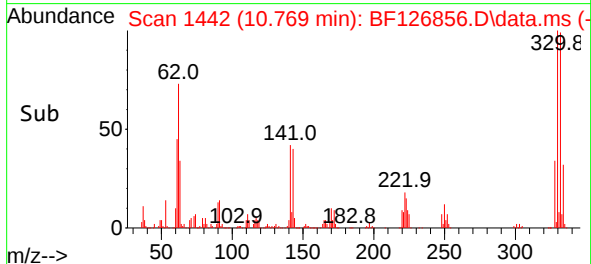
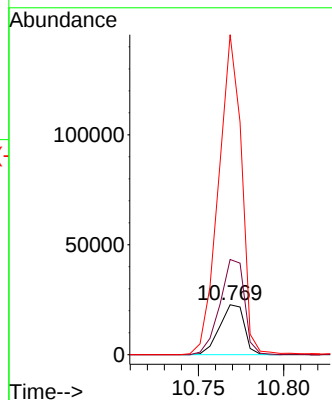
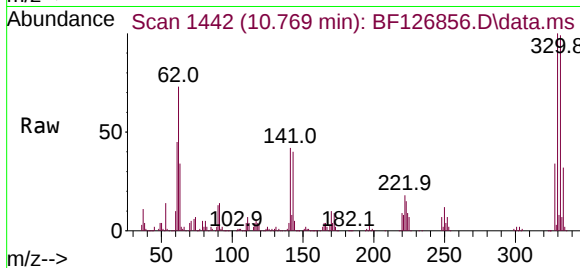




#67
4-Bromophenyl-phenylether
Concen: 4.444 ng
RT: 10.769 min Scan# 1442
Delta R.T. -0.247 min
Lab File: BF126856.D
Acq: 11 Feb 2022 14:38

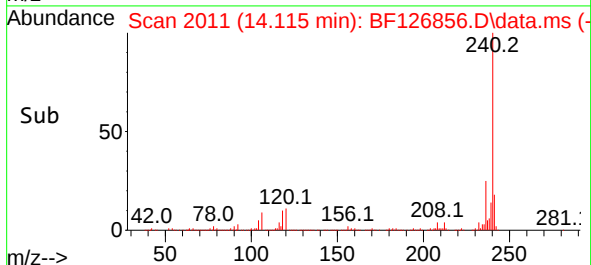
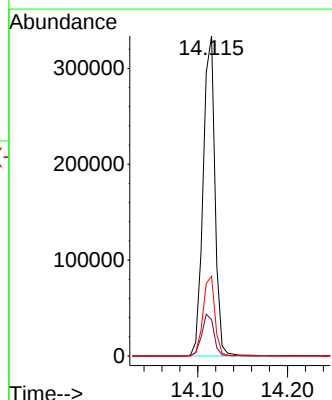
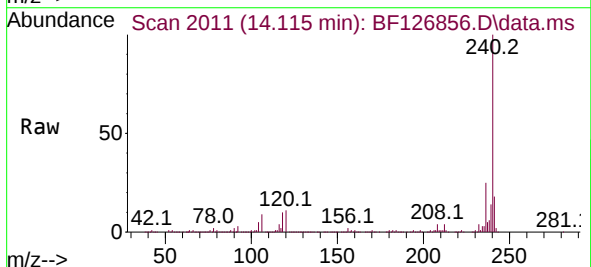
Instrument :
BNA_F
ClientSampleId :
20220079-BERKELEY-7-COMP

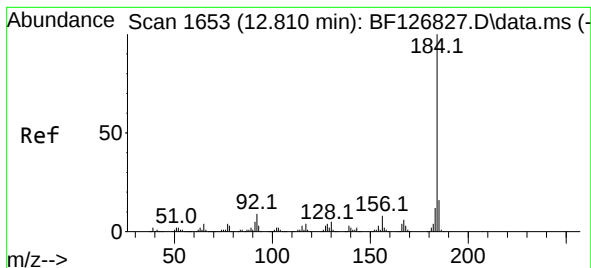
Tgt Ion:248 Resp: 22913
Ion Ratio Lower Upper
248 100
250 190.6 80.0 120.0#
141 641.0 75.6 113.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.115 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF126856.D
Acq: 11 Feb 2022 14:38

Tgt Ion:240 Resp: 305855
Ion Ratio Lower Upper
240 100
120 11.4 9.8 14.6
236 24.9 20.5 30.7





#77

Benzidine

Concen: 2.242 ng

RT: 13.057 min Scan# 1831

Delta R.T. 0.247 min

Lab File: BF126856.D

Acq: 11 Feb 2022 14:38

Instrument :

BNA_F

ClientSampleId :

20220079-BERKELEY-7-COMP

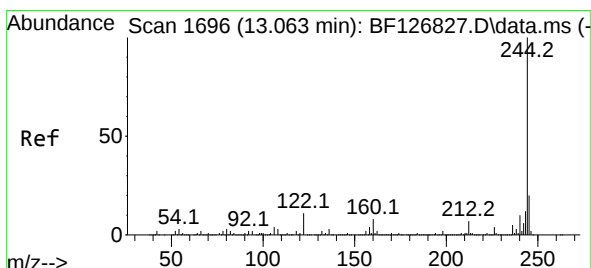
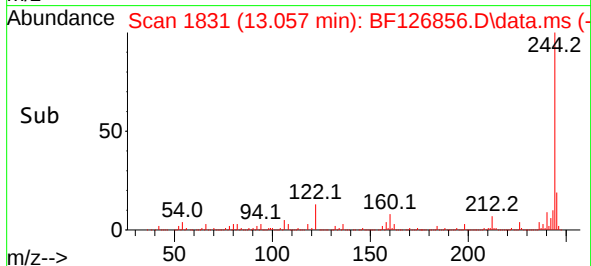
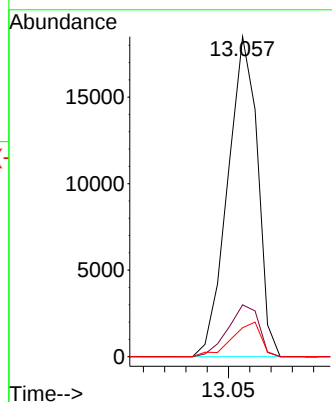
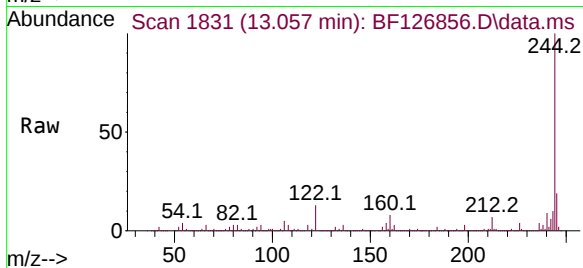
Tgt Ion:184 Resp: 18043

Ion Ratio Lower Upper

184 100

185 16.2 12.5 18.7

183 9.0 9.6 14.4#



#79

Terphenyl-d14

Concen: 56.448 ng

RT: 13.057 min Scan# 1831

Delta R.T. -0.006 min

Lab File: BF126856.D

Acq: 11 Feb 2022 14:38

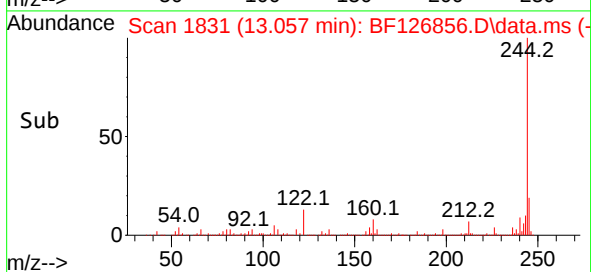
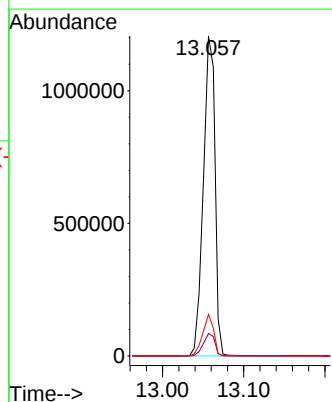
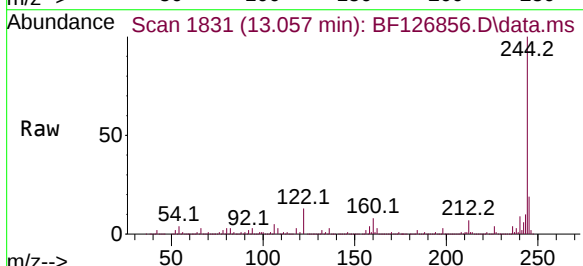
Tgt Ion:244 Resp: 1204323

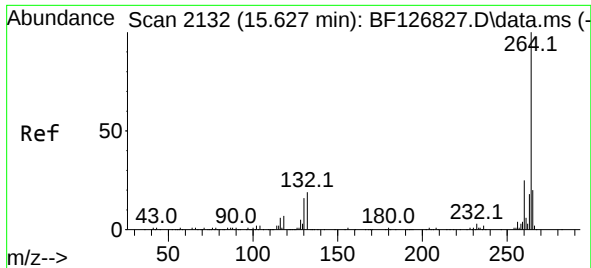
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

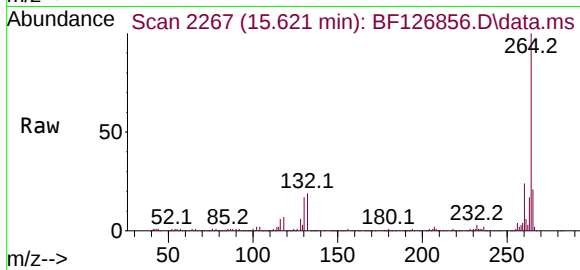
122 13.0 9.0 13.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126856.D
Acq: 11 Feb 2022 14:38

Instrument :
BNA_F
ClientSampleId :
20220079-BERKELEY-7-COMP



Tgt Ion:264 Resp: 222094
Ion Ratio Lower Upper
264 100
260 23.9 19.6 29.4
265 21.4 15.9 23.9

