

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060322\
 Data File : BF128688.D
 Acq On : 03 Jun 2022 19:40
 Operator : CG\JU
 Sample : N3033-09DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-16DL

Quant Time: Jun 03 23:43:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
 Response via : Initial Calibration

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

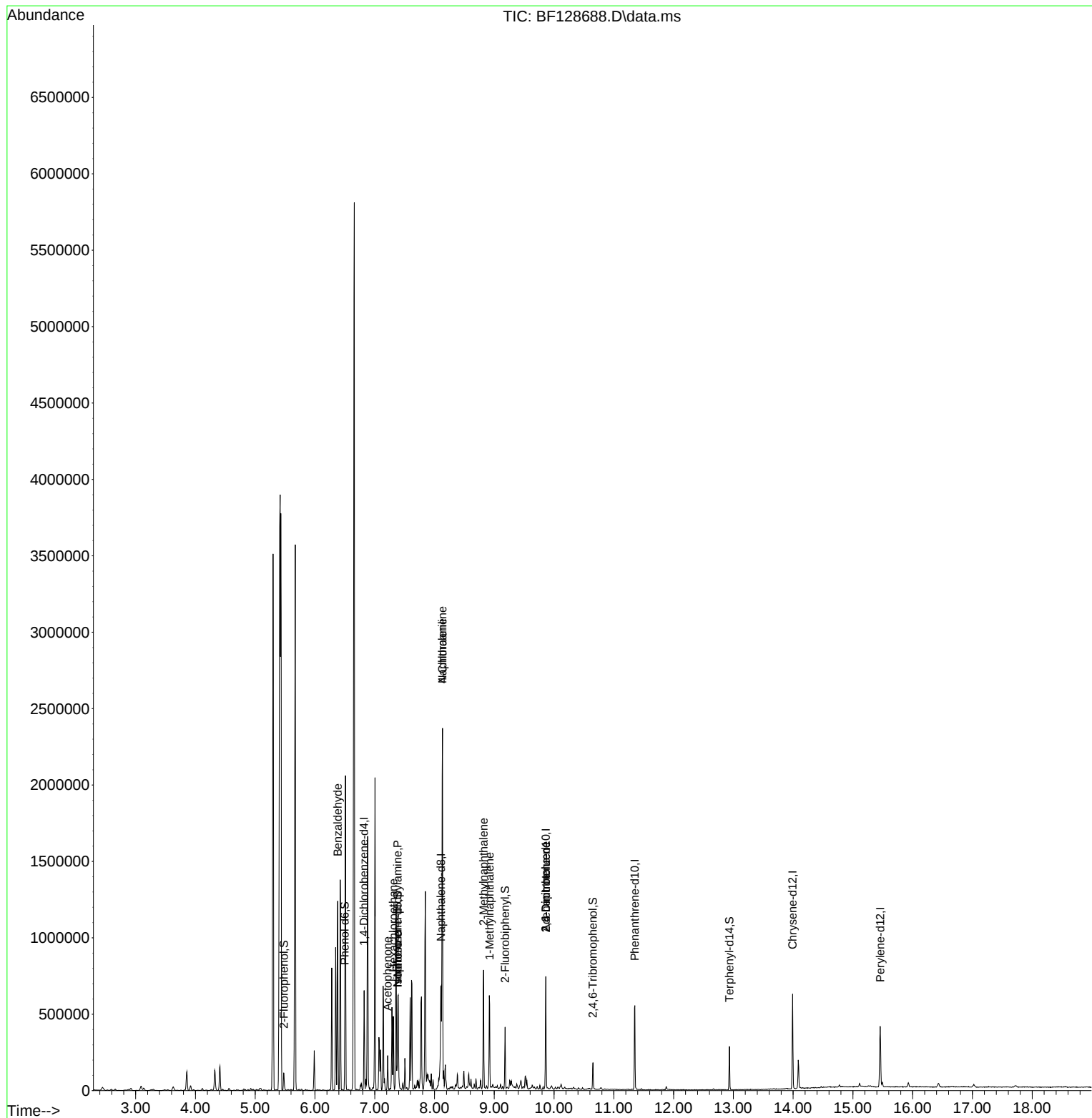
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	77372	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	272290	20.000	ng	# 0.00
39) Acenaphthene-d10	9.863	164	129255	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	205281	20.000	ng	# 0.00
76) Chrysene-d12	13.992	240	196508	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	179385	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	28178	5.801	ng	0.00
7) Phenol-d6	6.498	99	18299	3.086	ng	0.00
23) Nitrobenzene-d5	7.381	82	59164	10.116	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	16536	10.828	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	100101	10.848	ng	-0.01
79) Terphenyl-d14	12.933	244	83522	7.385	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.381	77	51987	14.391	ng	# 1
18) Hexachloroethane	7.310	117	12197	5.649	ng	# 1
19) n-Nitroso-di-n-propyla...	7.381	70	10024	2.719	ng	# 88
22) Acetophenone	7.216	105	70888	9.954	ng	# 57
25) Isophorone	7.381	82	57966	6.526	ng	# 65
31) Naphthalene	8.134	128	911150	65.203	ng	99
33) 4-Chloroaniline	8.134	127	123300	23.403	ng	# 34
37) 2-Methylnaphthalene	8.822	142	175058	19.695	ng	98
38) 1-Methylnaphthalene	8.922	142	140585	16.371	ng	97
51) 2,6-Dinitrotoluene	9.863	165	17129	9.809	ng	# 28
57) 2,4-Dinitrotoluene	9.863	165	17129	7.350	ng	# 23

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

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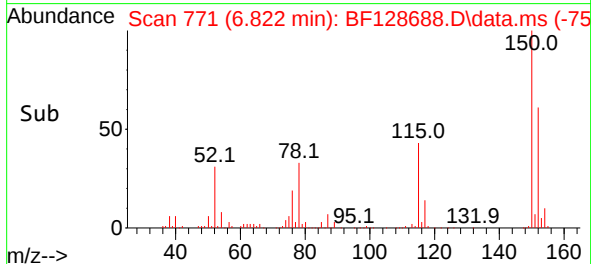
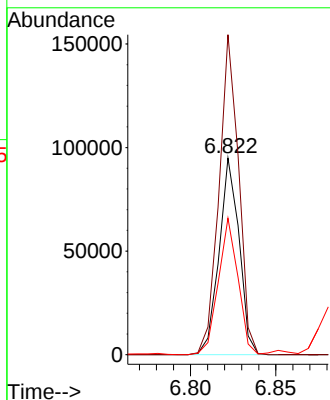
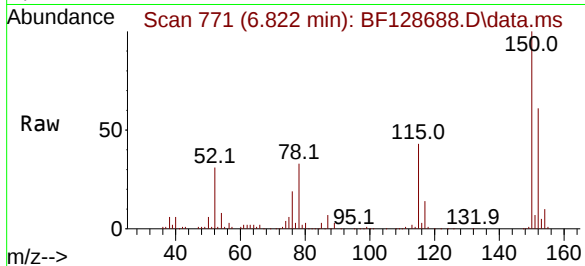




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128688.D
Acq: 03 Jun 2022 19:40

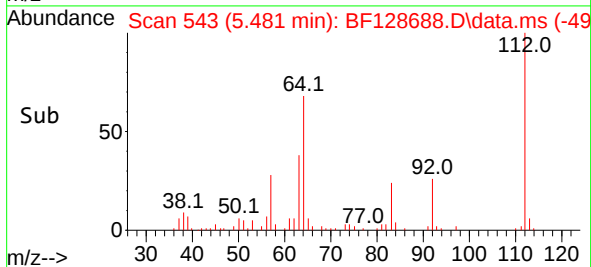
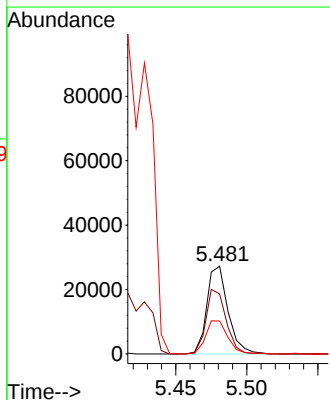
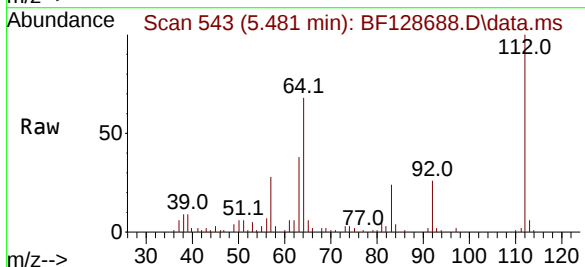
Instrument :
BNA_F
ClientSampleId :
TW-16DL

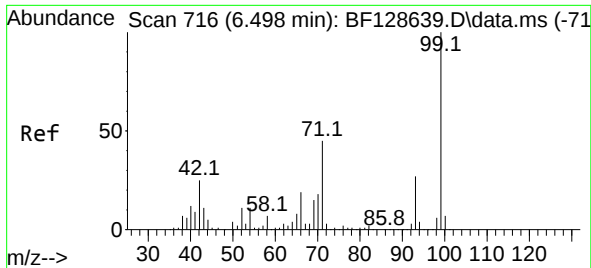
Tgt Ion:152 Resp: 77372
Ion Ratio Lower Upper
152 100
150 162.7 123.7 185.5
115 69.3 49.9 74.9



#5
2-Fluorophenol
Concen: 5.801 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.006 min
Lab File: BF128688.D
Acq: 03 Jun 2022 19:40

Tgt Ion:112 Resp: 28178
Ion Ratio Lower Upper
112 100
64 68.3 53.3 79.9
63 37.5 28.0 42.0





#7

Phenol-d6

Concen: 3.086 ng

RT: 6.498 min Scan# 716

Delta R.T. 0.000 min

Lab File: BF128688.D

Acq: 03 Jun 2022 19:40

Instrument :

BNA_F

ClientSampleId :

TW-16DL

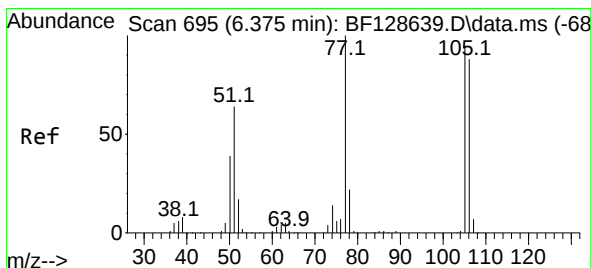
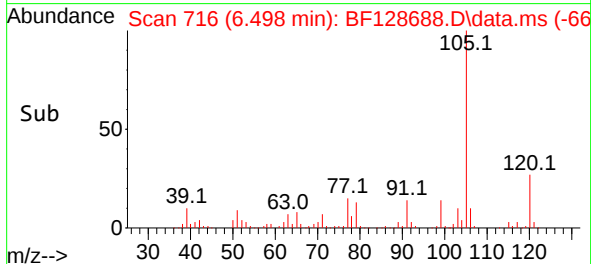
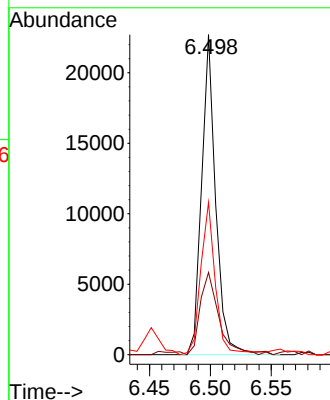
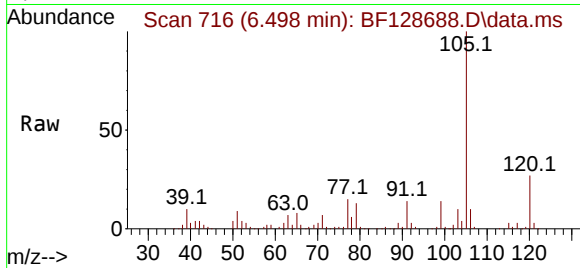
Tgt Ion: 99 Resp: 18299

Ion Ratio Lower Upper

99 100

42 25.7 17.3 25.9

71 47.6 28.9 43.3#



#9

Benzaldehyde

Concen: 14.391 ng

RT: 6.381 min Scan# 696

Delta R.T. 0.006 min

Lab File: BF128688.D

Acq: 03 Jun 2022 19:40

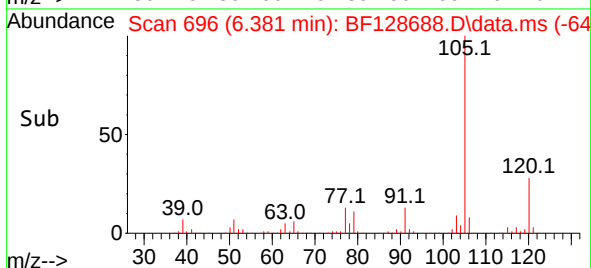
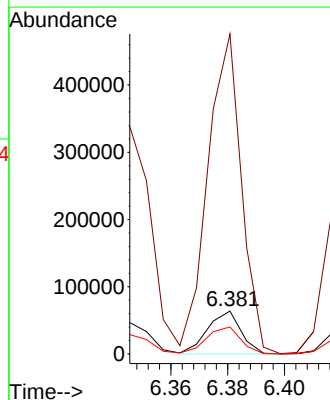
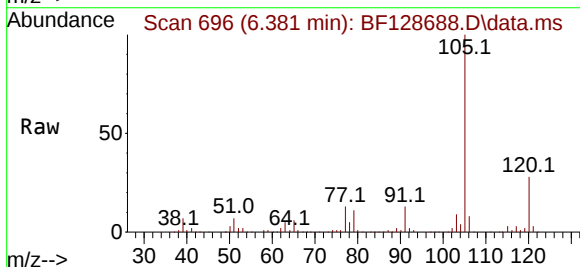
Tgt Ion: 77 Resp: 51987

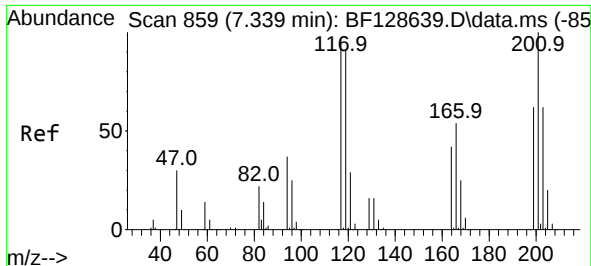
Ion Ratio Lower Upper

77 100

105 747.0 81.6 121.6#

106 63.0 76.1 116.1#

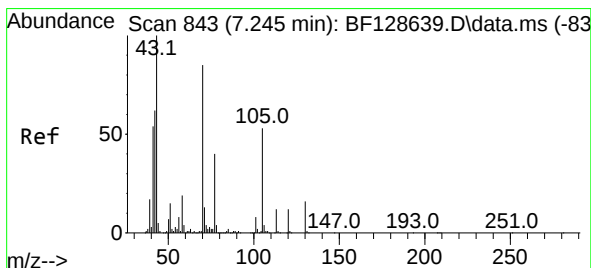
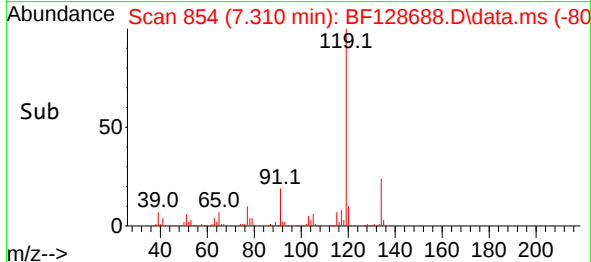
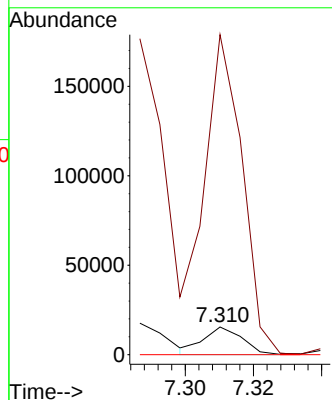
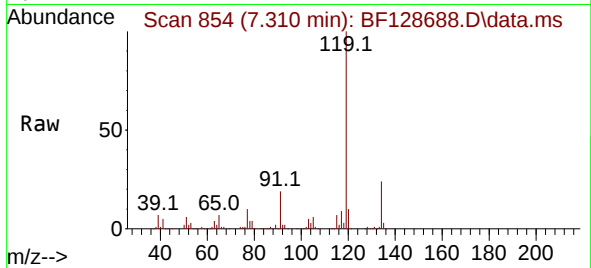




#18
Hexachloroethane
Concen: 5.649 ng
RT: 7.310 min Scan# 811
Delta R.T. -0.029 min
Lab File: BF128688.D
Acq: 03 Jun 2022 19:40

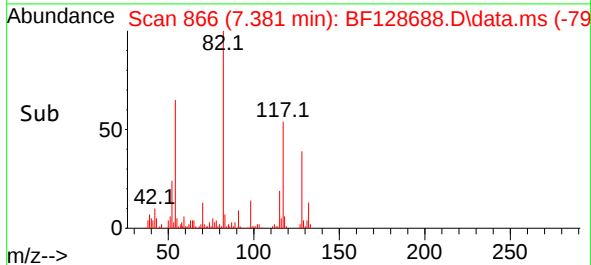
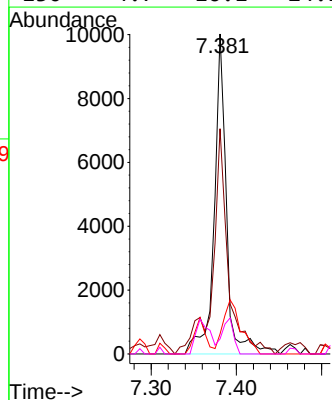
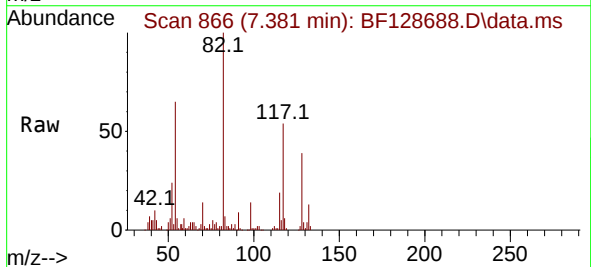
Instrument :
BNA_F
ClientSampleId :
TW-16DL

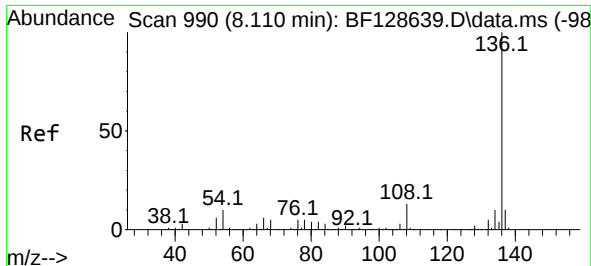
Tgt Ion:117 Resp: 12197
Ion Ratio Lower Upper
117 100
119 1158.6 77.4 116.2#
201 0.0 84.6 127.0#



#19
n-Nitroso-di-n-propylamine
Concen: 2.719 ng
RT: 7.381 min Scan# 866
Delta R.T. 0.135 min
Lab File: BF128688.D
Acq: 03 Jun 2022 19:40

Tgt Ion: 70 Resp: 10024
Ion Ratio Lower Upper
70 100
42 70.4 52.3 78.5
101 6.3 7.5 11.3#
130 4.7 16.1 24.1#

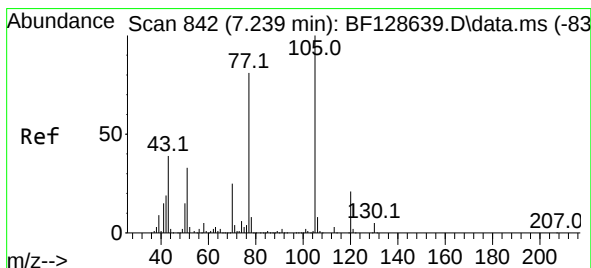
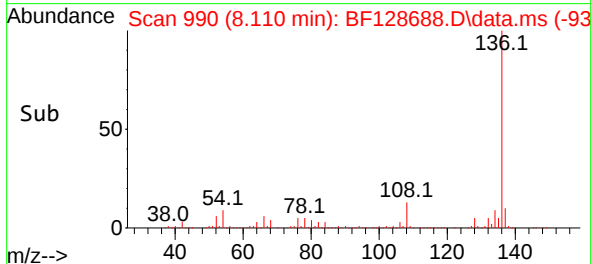
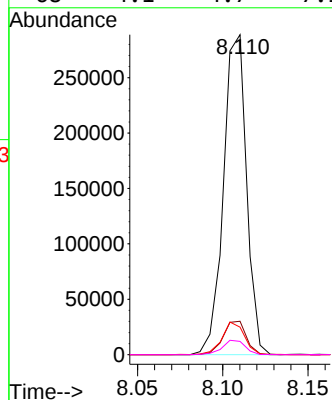
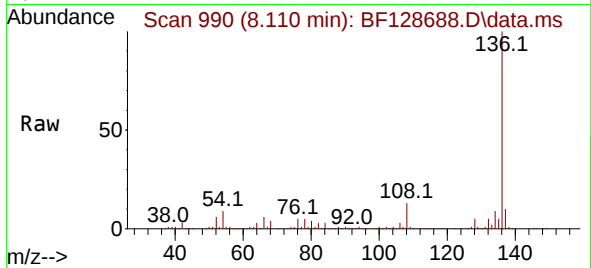




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 990
Delta R.T. 0.000 min
Lab File: BF128688.D
Acq: 03 Jun 2022 19:40

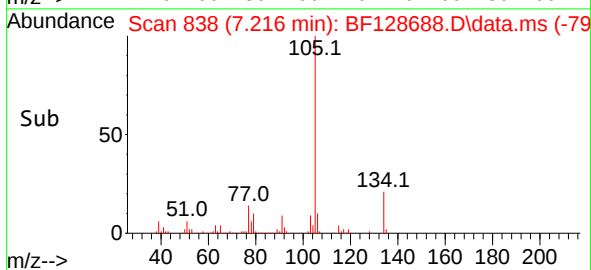
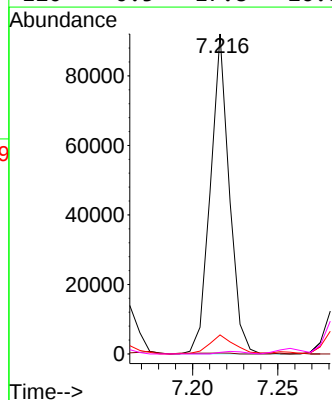
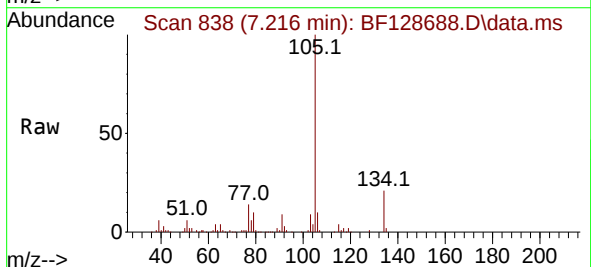
Instrument :
BNA_F
ClientSampleId :
TW-16DL

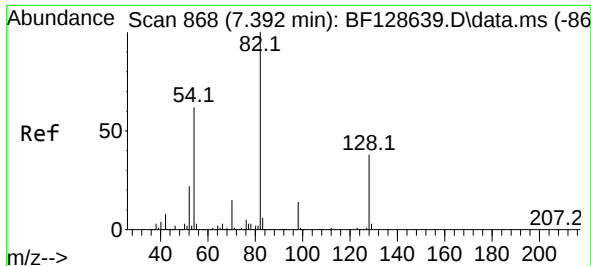
Tgt Ion:136 Resp: 272290
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 8.6 7.5 11.3
68 4.1 4.7 7.1#



#22
Acetophenone
Concen: 9.954 ng
RT: 7.216 min Scan# 838
Delta R.T. -0.023 min
Lab File: BF128688.D
Acq: 03 Jun 2022 19:40

Tgt Ion:105 Resp: 70888
Ion Ratio Lower Upper
105 100
71 0.3 5.0 7.4#
51 5.9 25.0 37.4#
120 0.5 17.8 26.8#





#23

Nitrobenzene-d5

Concen: 10.116 ng

RT: 7.381 min Scan# 866

Delta R.T. -0.011 min

Lab File: BF128688.D

Acq: 03 Jun 2022 19:40

Instrument :

BNA_F

ClientSampleId :

TW-16DL

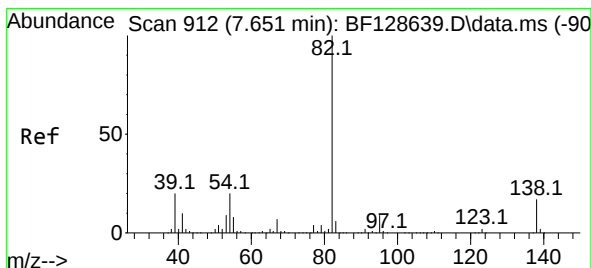
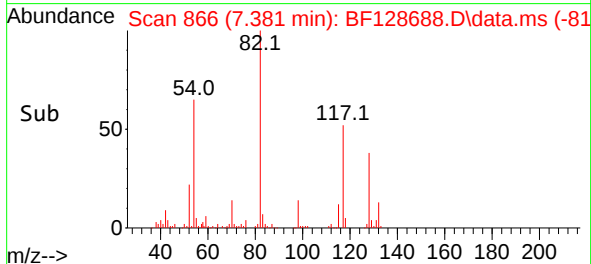
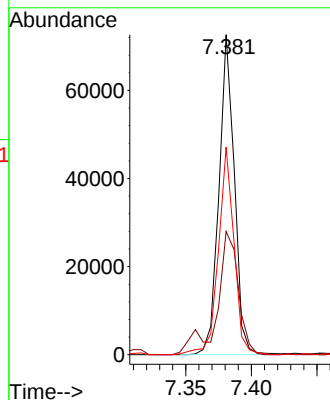
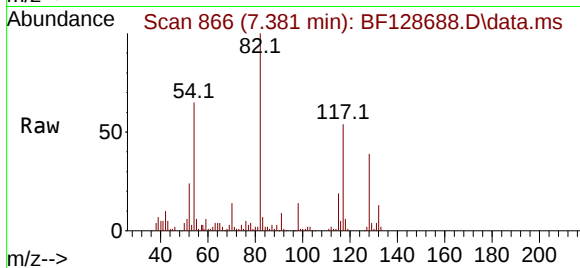
Tgt Ion: 82 Resp: 59164

Ion Ratio Lower Upper

82 100

128 38.5 34.0 51.0

54 64.9 46.9 70.3



#25

Isophorone

Concen: 6.526 ng

RT: 7.381 min Scan# 866

Delta R.T. -0.270 min

Lab File: BF128688.D

Acq: 03 Jun 2022 19:40

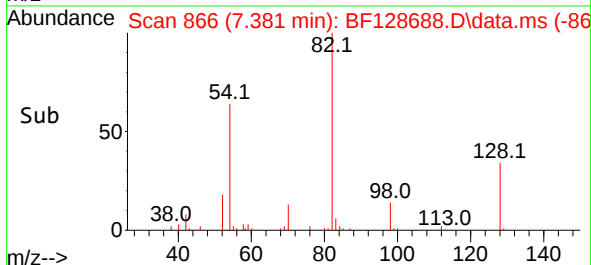
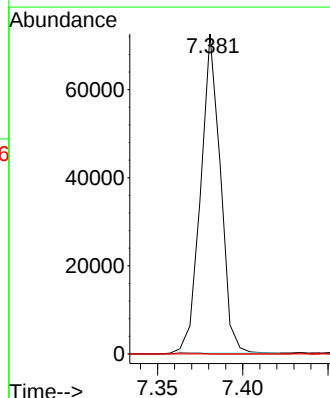
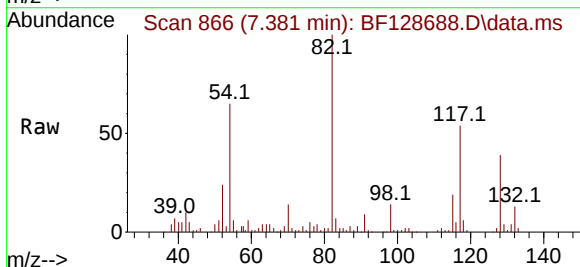
Tgt Ion: 82 Resp: 57966

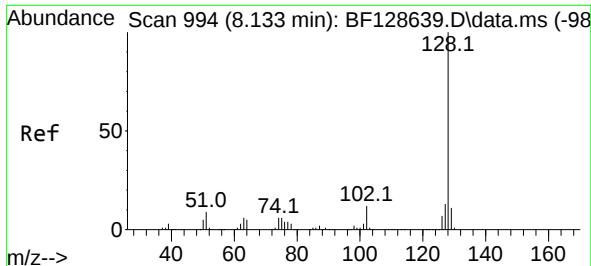
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.2#

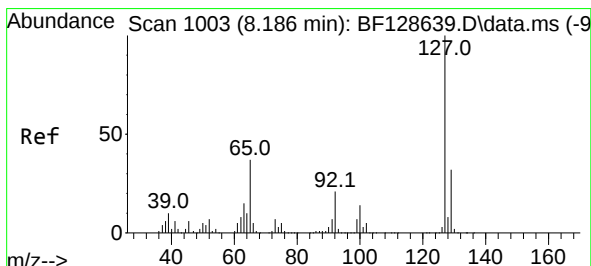
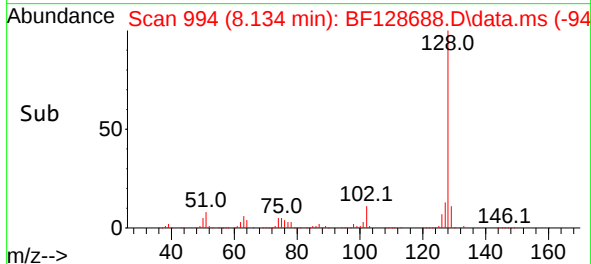
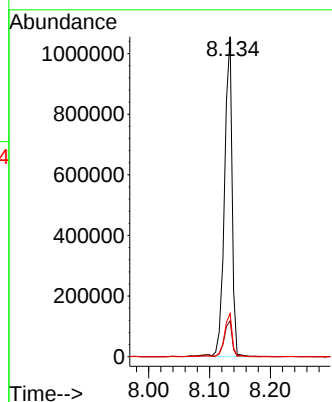
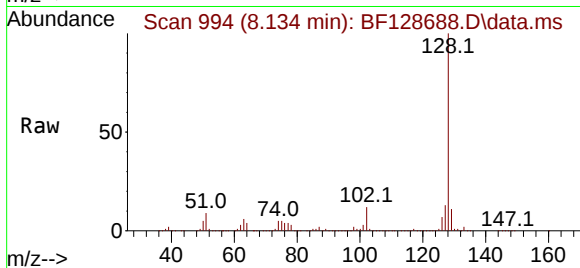




#31
Naphthalene
Concen: 65.203 ng
RT: 8.134 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF128688.D
Acq: 03 Jun 2022 19:40

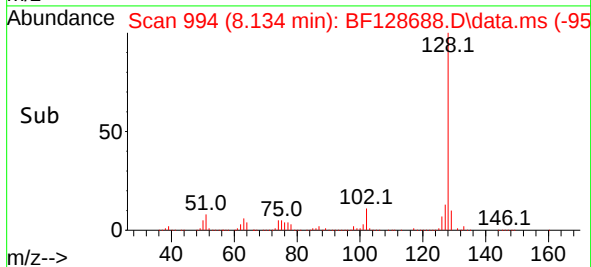
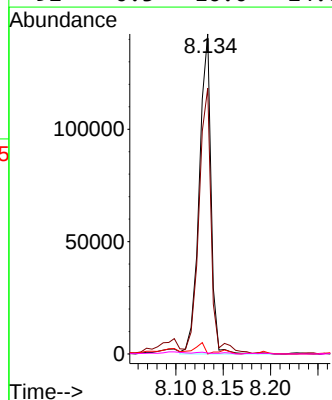
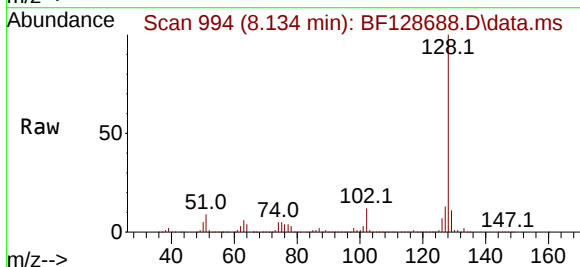
Instrument :
BNA_F
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TW-16DL

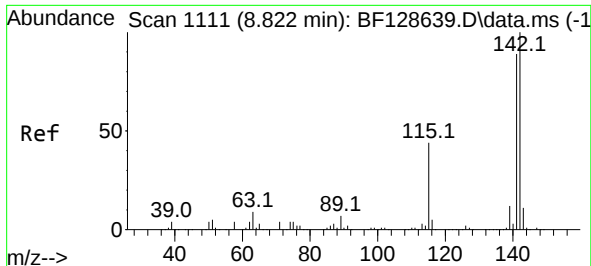
Tgt Ion:128 Resp: 911150
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 13.5 10.5 15.7



#33
4-Chloroaniline
Concen: 23.403 ng
RT: 8.134 min Scan# 994
Delta R.T. -0.053 min
Lab File: BF128688.D
Acq: 03 Jun 2022 19:40

Tgt Ion:127 Resp: 123300
Ion Ratio Lower Upper
127 100
129 83.1 26.4 39.6#
65 0.0 26.4 39.6#
92 0.3 16.0 24.0#





#37

2-Methylnaphthalene

Concen: 19.695 ng

RT: 8.822 min Scan# 1111

Delta R.T. 0.000 min

Lab File: BF128688.D

Acq: 03 Jun 2022 19:40

Instrument :

BNA_F

ClientSampleId :

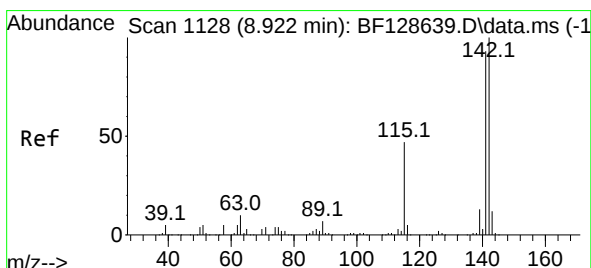
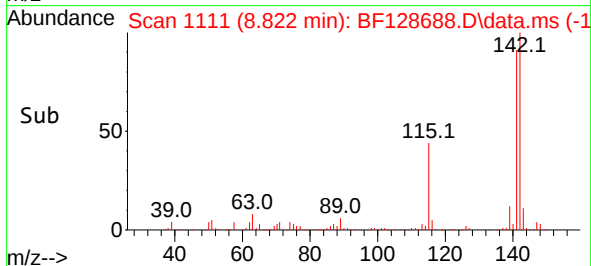
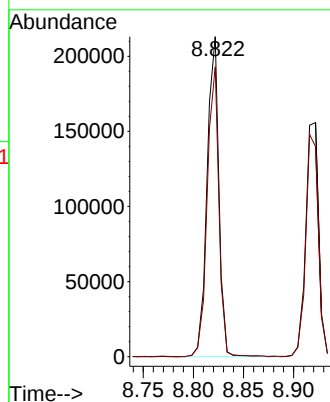
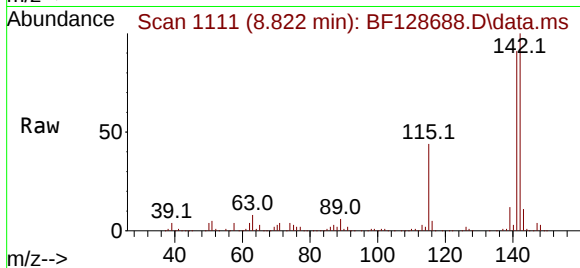
TW-16DL

Tgt Ion:142 Resp: 175058

Ion Ratio Lower Upper

142 100

141 90.6 71.0 106.4



#38

1-Methylnaphthalene

Concen: 16.371 ng

RT: 8.922 min Scan# 1128

Delta R.T. 0.000 min

Lab File: BF128688.D

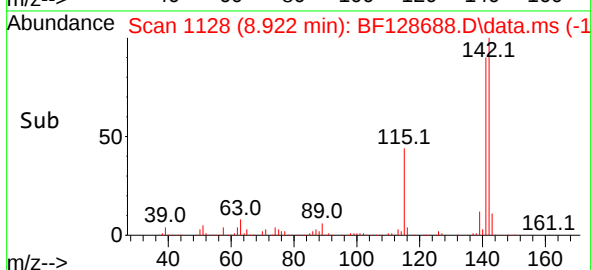
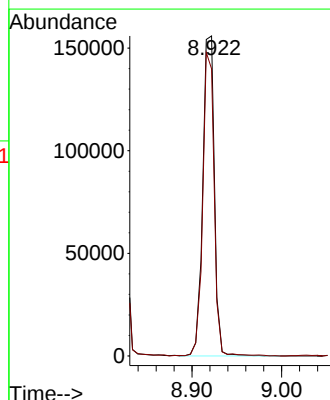
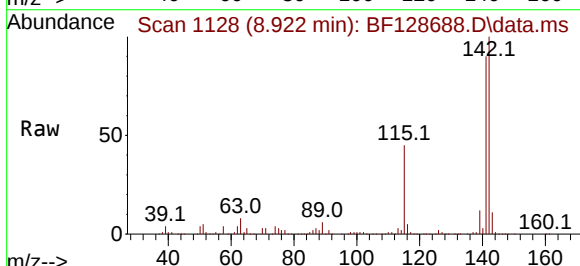
Acq: 03 Jun 2022 19:40

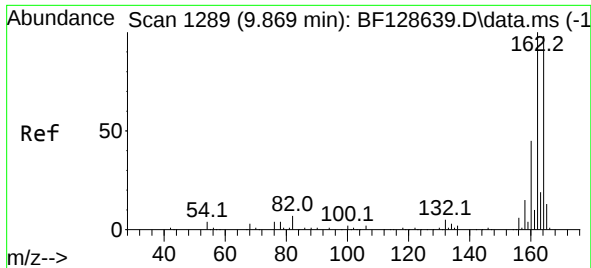
Tgt Ion:142 Resp: 140585

Ion Ratio Lower Upper

142 100

141 89.7 74.2 111.4

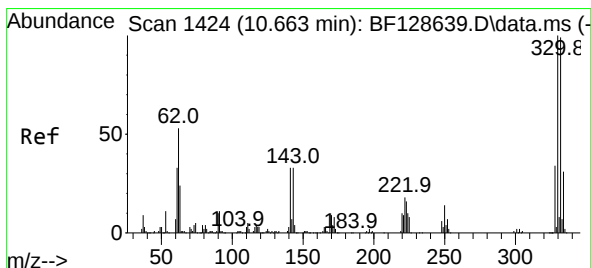
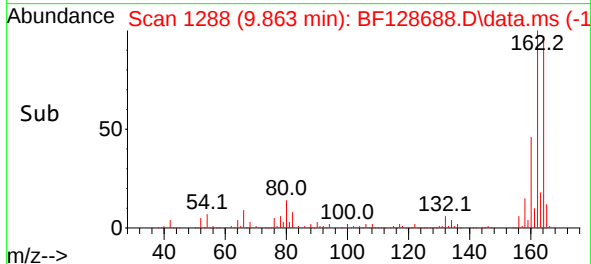
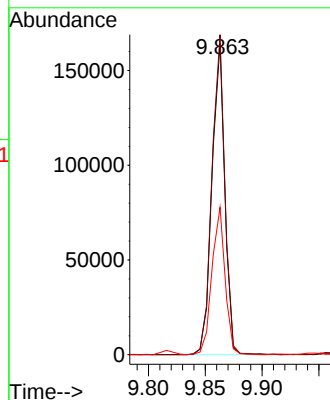
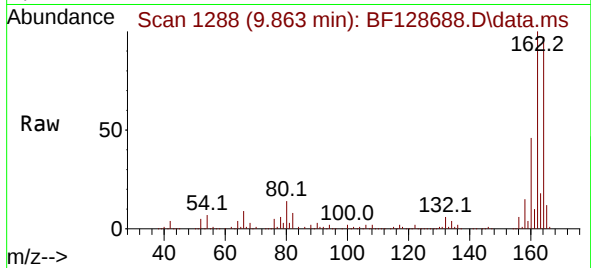




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF128688.D
Acq: 03 Jun 2022 19:40

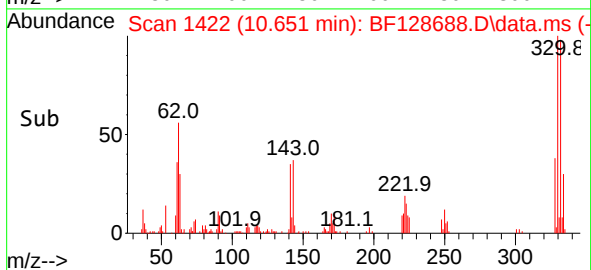
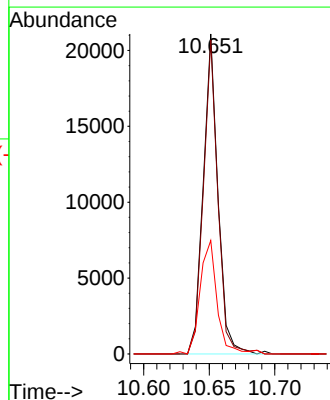
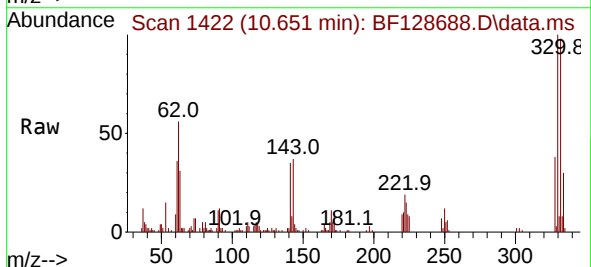
Instrument :
BNA_F
ClientSampleId :
TW-16DL

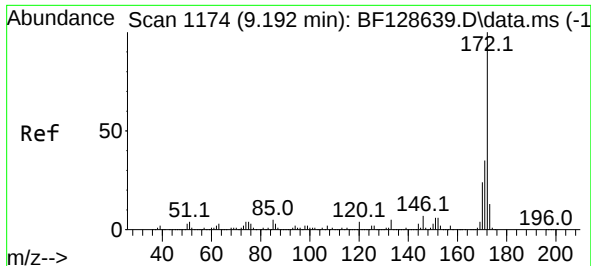
Tgt Ion:164 Resp: 129255
Ion Ratio Lower Upper
164 100
162 102.8 79.5 119.3
160 47.3 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 10.828 ng
RT: 10.651 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF128688.D
Acq: 03 Jun 2022 19:40

Tgt Ion:330 Resp: 16536
Ion Ratio Lower Upper
330 100
332 96.1 76.8 115.2
141 41.2 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 10.848 ng

RT: 9.181 min Scan# 1172

Delta R.T. -0.011 min

Lab File: BF128688.D

Acq: 03 Jun 2022 19:40

Instrument :

BNA_F

ClientSampleId :

TW-16DL

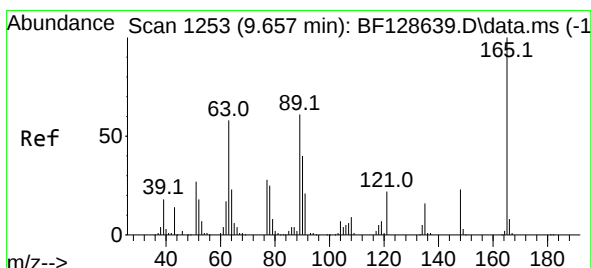
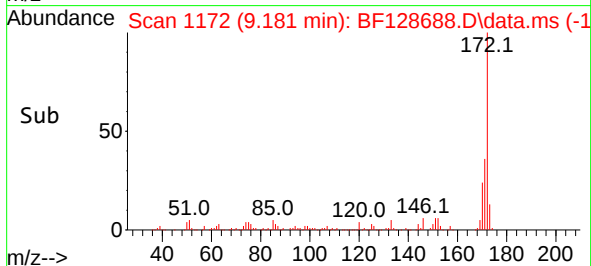
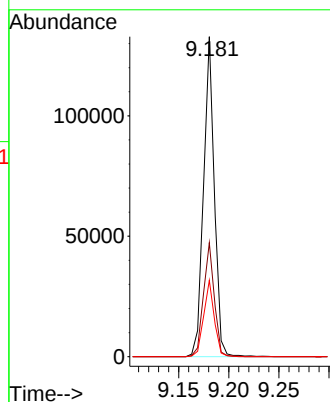
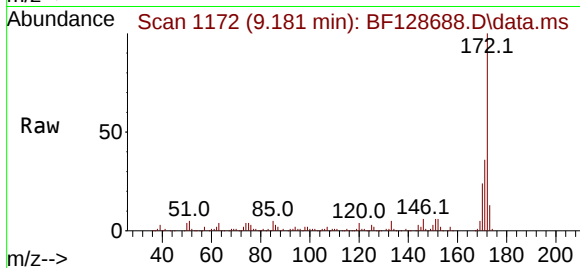
Tgt Ion:172 Resp: 100101

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.8 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 9.809 ng

RT: 9.863 min Scan# 1288

Delta R.T. 0.206 min

Lab File: BF128688.D

Acq: 03 Jun 2022 19:40

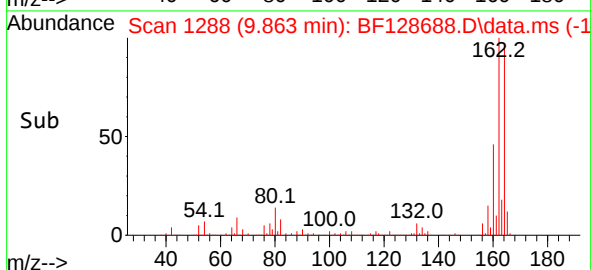
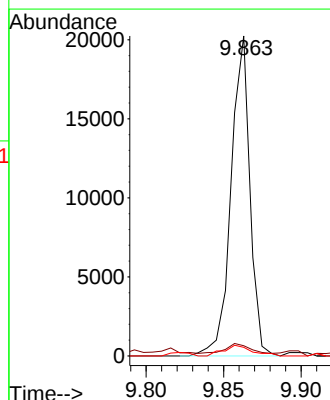
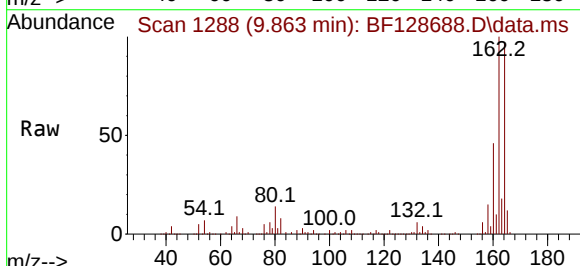
Tgt Ion:165 Resp: 17129

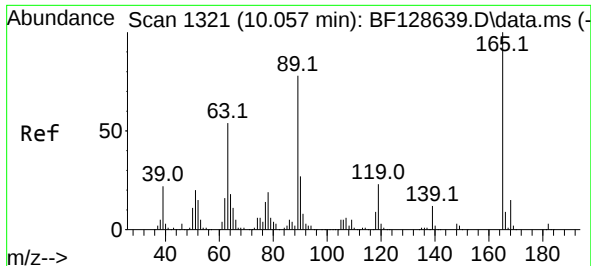
Ion Ratio Lower Upper

165 100

63 3.2 44.9 67.3#

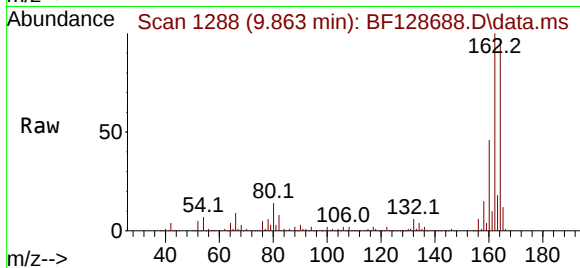
89 2.7 43.6 65.4#



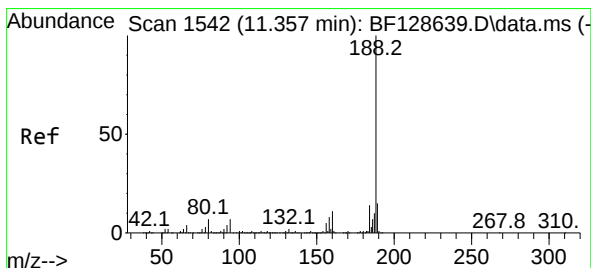
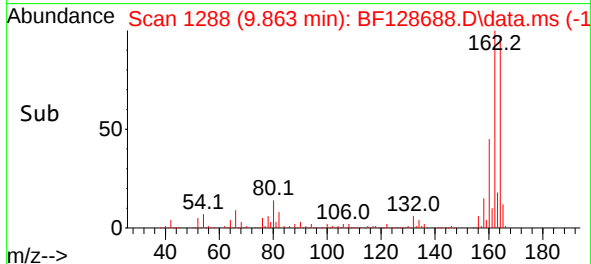
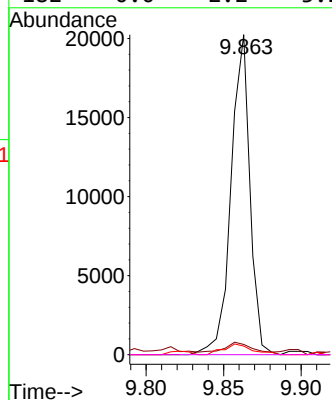


#57
2,4-Dinitrotoluene
Concen: 7.350 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF128688.D
Acq: 03 Jun 2022 19:40

Instrument :
BNA_F
ClientSampleId :
TW-16DL

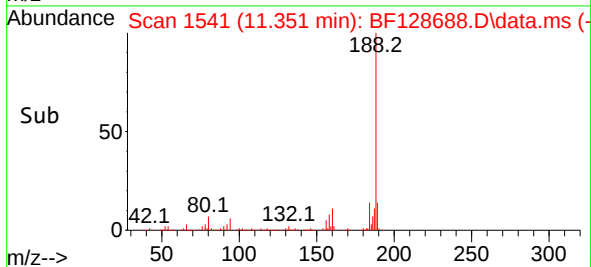
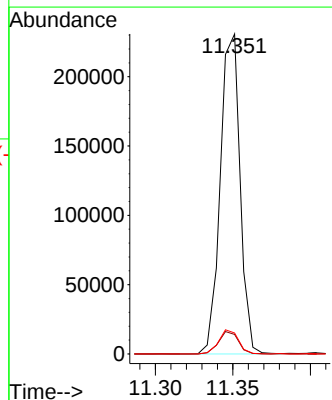
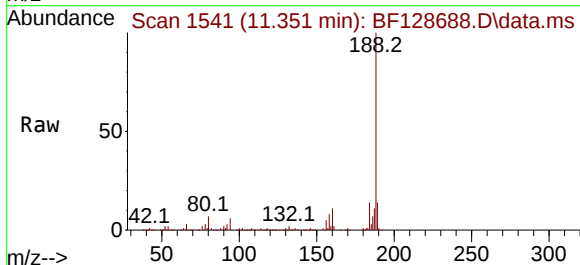


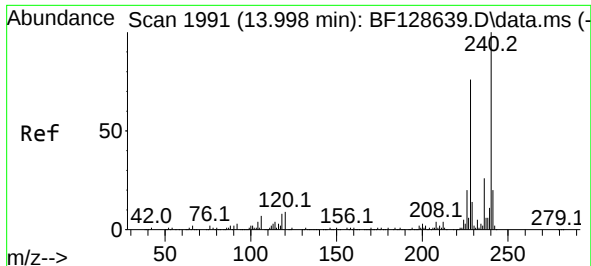
Tgt Ion:165 Resp: 17129
Ion Ratio Lower Upper
165 100
63 3.2 39.8 59.6#
89 2.7 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF128688.D
Acq: 03 Jun 2022 19:40

Tgt Ion:188 Resp: 205281
Ion Ratio Lower Upper
188 100
94 6.1 7.0 10.6#
80 6.6 7.6 11.4#

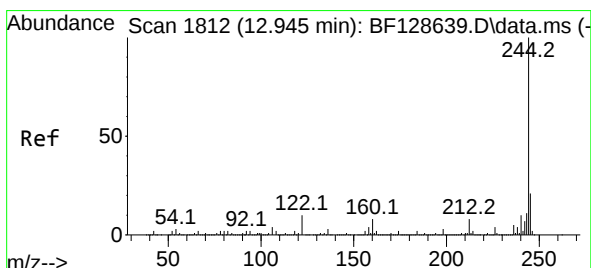
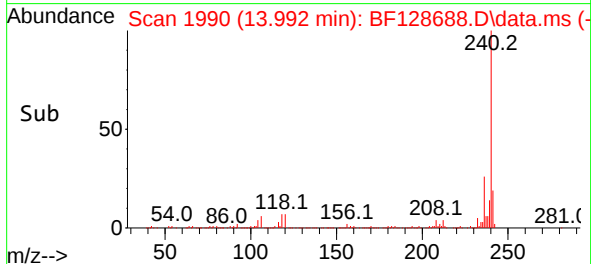
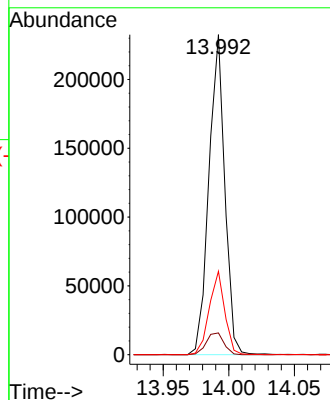
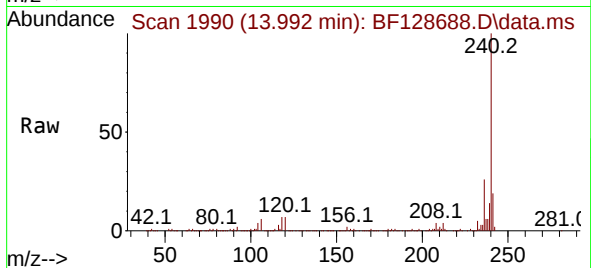




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF128688.D
Acq: 03 Jun 2022 19:40

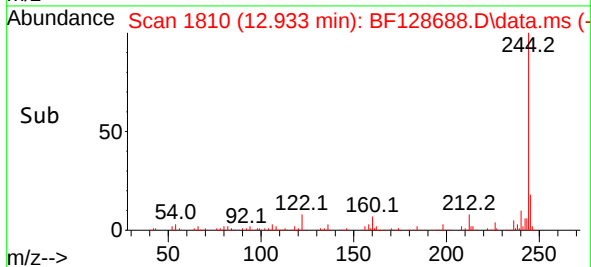
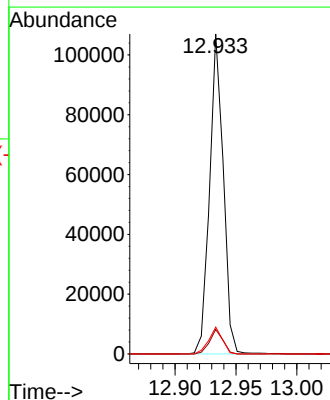
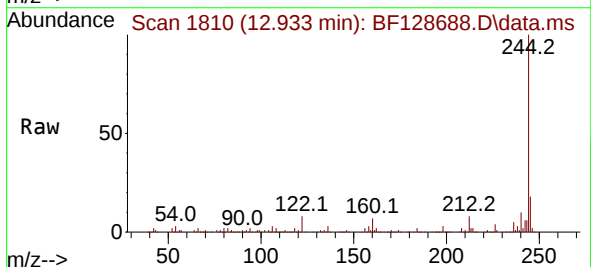
Instrument :
BNA_F
ClientSampleId :
TW-16DL

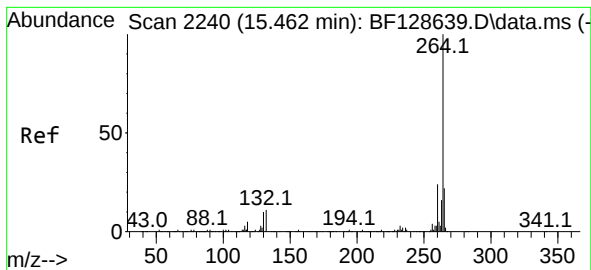
Tgt Ion:240 Resp: 196508
Ion Ratio Lower Upper
240 100
120 6.8 8.9 13.3#
236 26.0 20.8 31.2



#79
Terphenyl-d14
Concen: 7.385 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF128688.D
Acq: 03 Jun 2022 19:40

Tgt Ion:244 Resp: 83522
Ion Ratio Lower Upper
244 100
212 7.6 6.1 9.1
122 8.4 8.8 13.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.005 min
Lab File: BF128688.D
Acq: 03 Jun 2022 19:40

Instrument :
BNA_F
ClientSampleId :
TW-16DL

Tgt Ion:264 Resp: 179385

Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.4	27.6
265	21.0	17.2	25.8

