

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
 Data File : BF133697.D
 Acq On : 10 Jun 2023 03:34
 Operator : CG\JU
 Sample : 03092-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Jun 10 04:05:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 09 15:37:41 2023
 Response via : Initial Calibration

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

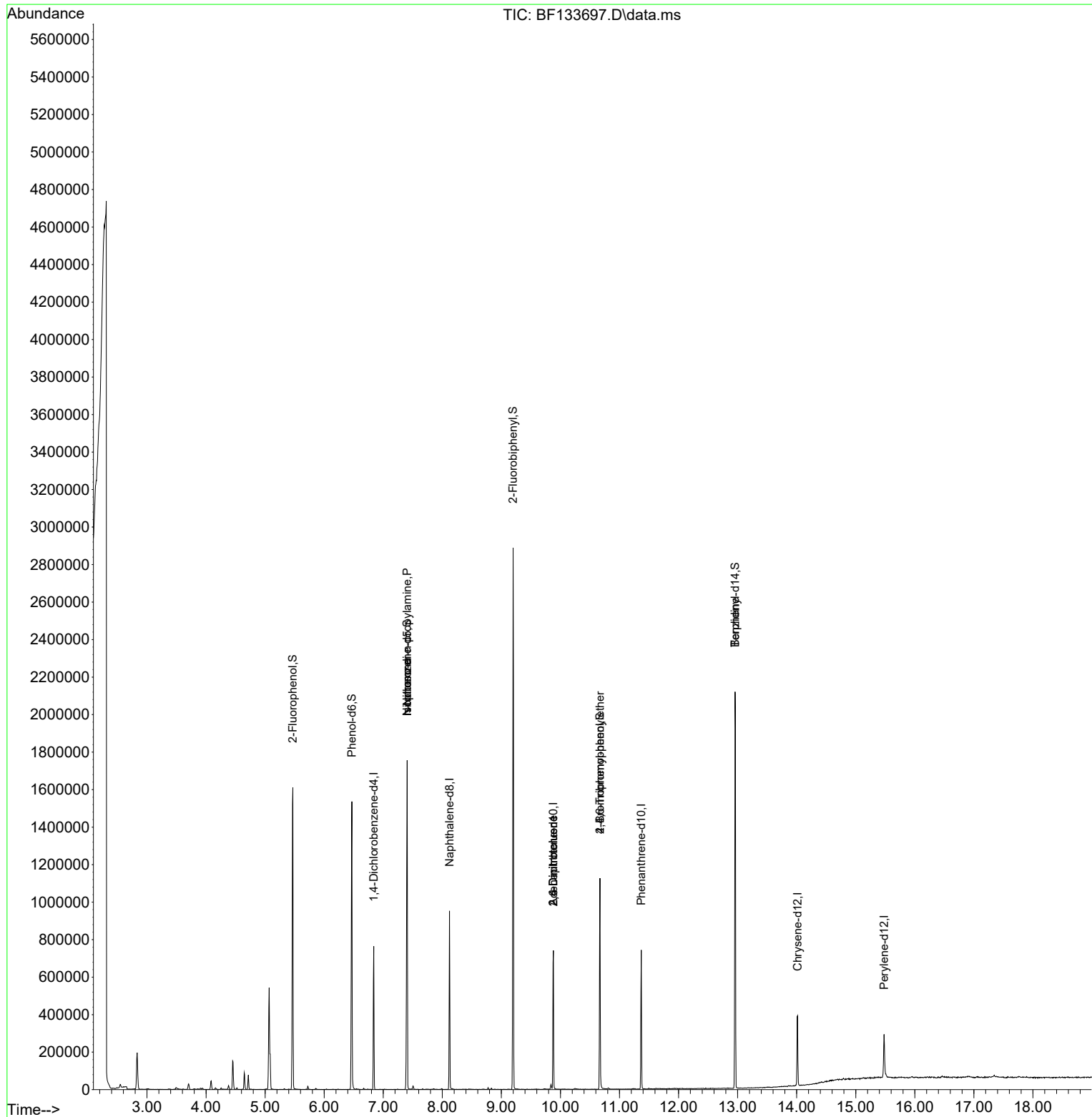
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	102068	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	350555	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	143511	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	247135	20.000	ng	0.00
76) Chrysene-d12	14.015	240	131931	20.000	ng	0.00
86) Perylene-d12	15.480	264	110255	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	413789	70.577	ng	0.02
7) Phenol-d6	6.469	99	454974	59.617	ng	0.00
23) Nitrobenzene-d5	7.404	82	505633	78.562	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	127026	69.925	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	843685	83.569	ng	0.00
79) Terphenyl-d14	12.957	244	749804	87.940	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	71685	14.763	ng	# 78
25) Isophorone	7.404	82	503469	42.609	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	18391	8.318	ng	# 29
57) 2,4-Dinitrotoluene	9.880	165	18391	6.540	ng	# 20
67) 4-Bromophenyl-phenylether	10.669	248	8126	2.946	ng	# 1
77) Benzidine	12.957	184	11334	2.560	ng	# 92

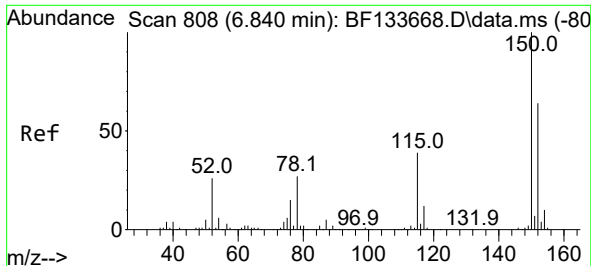
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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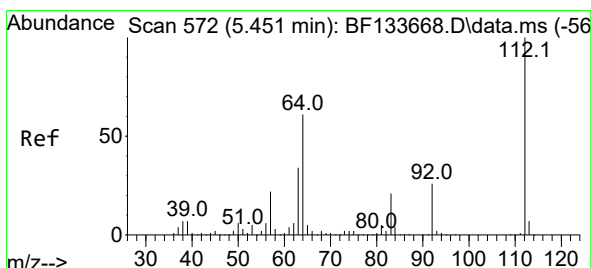
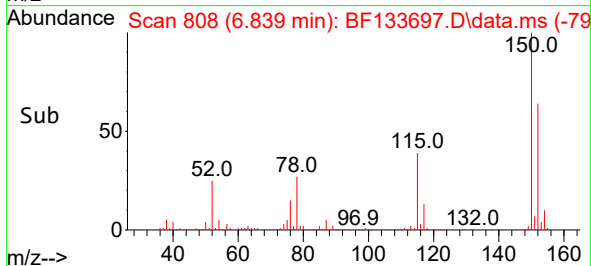
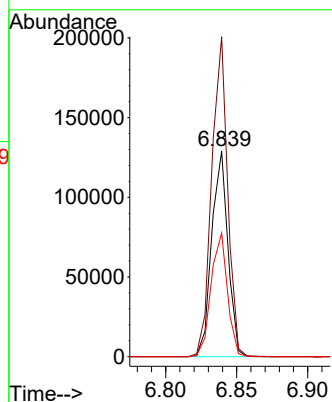
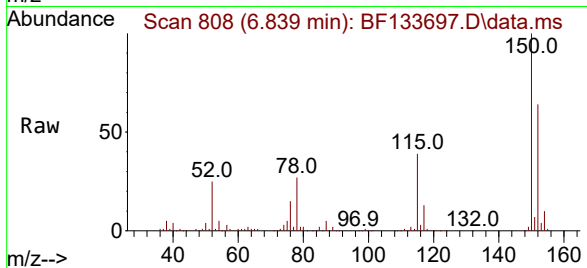




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.001 min
Lab File: BF133697.D
Acq: 10 Jun 2023 03:34

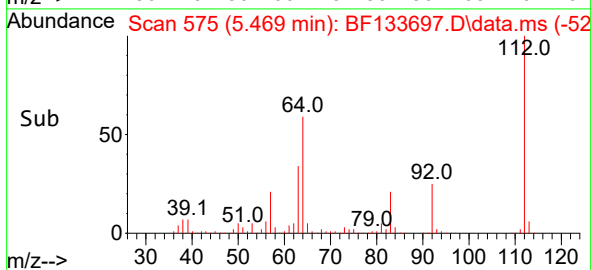
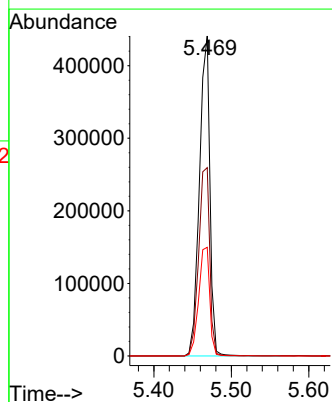
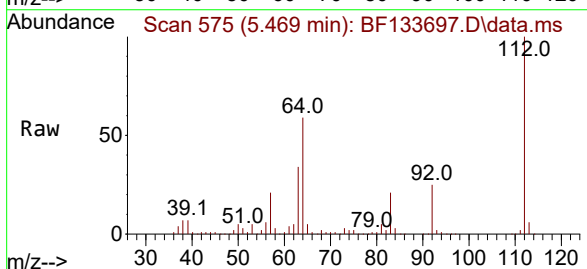
Instrument :
BNA_F
ClientSampleId :
TP-2

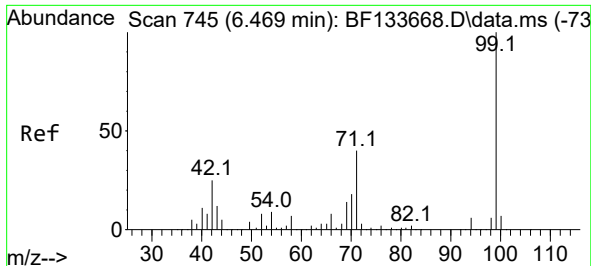
Tgt Ion:152 Resp: 102068
Ion Ratio Lower Upper
152 100
150 155.7 124.3 186.5
115 60.1 48.5 72.7



#5
2-Fluorophenol
Concen: 70.577 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.018 min
Lab File: BF133697.D
Acq: 10 Jun 2023 03:34

Tgt Ion:112 Resp: 413789
Ion Ratio Lower Upper
112 100
64 58.8 49.0 73.4
63 33.9 26.8 40.2

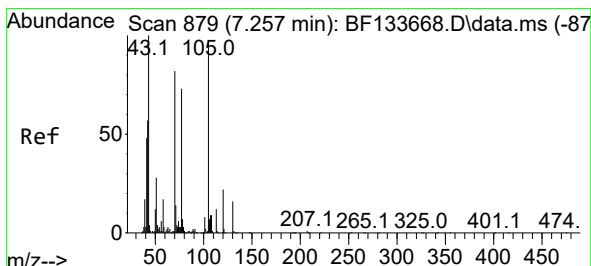
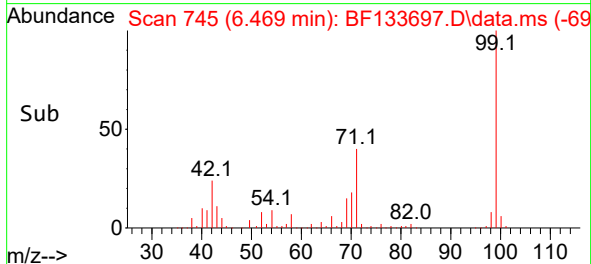
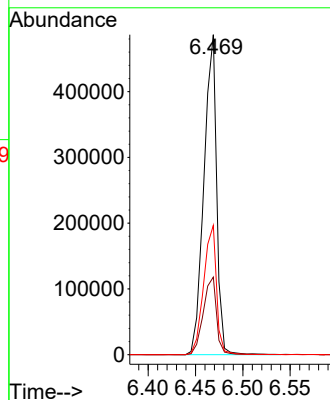
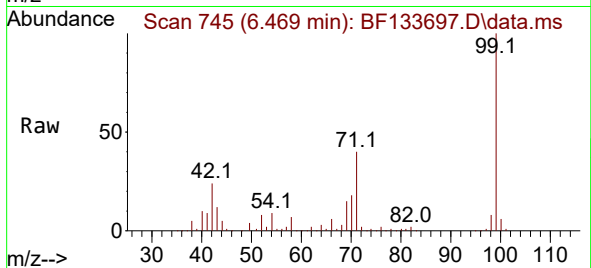




#7
Phenol-d6
Concen: 59.617 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF133697.D
Acq: 10 Jun 2023 03:34

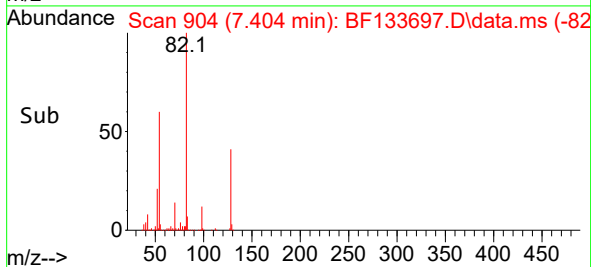
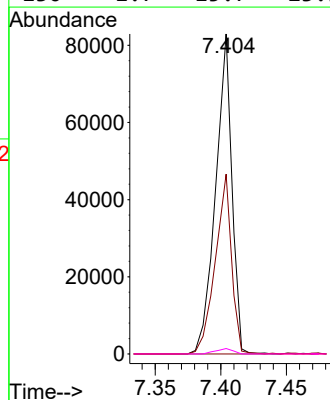
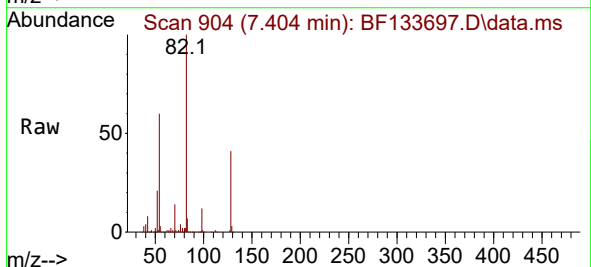
Instrument :
BNA_F
ClientSampleId :
TP-2

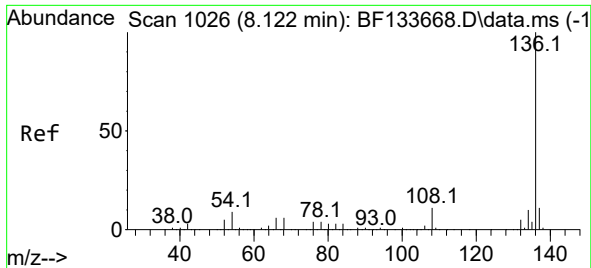
Tgt Ion: 99 Resp: 454974
Ion Ratio Lower Upper
99 100
42 24.3 19.9 29.9
71 40.4 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.763 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF133697.D
Acq: 10 Jun 2023 03:34

Tgt Ion: 70 Resp: 71685
Ion Ratio Lower Upper
70 100
42 56.2 55.8 83.8
101 0.0 8.1 12.1#
130 1.7 15.7 23.5#

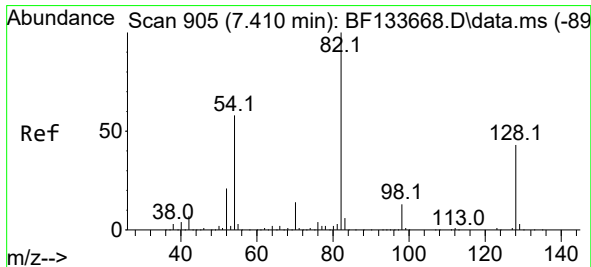
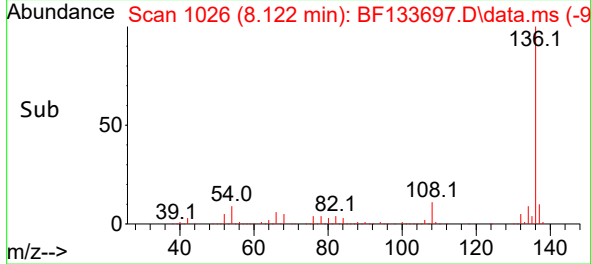
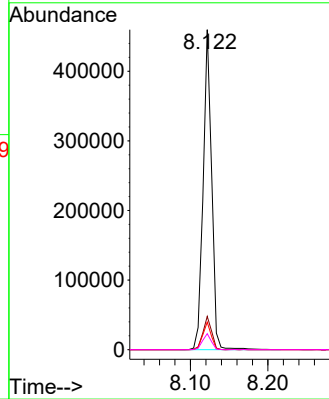
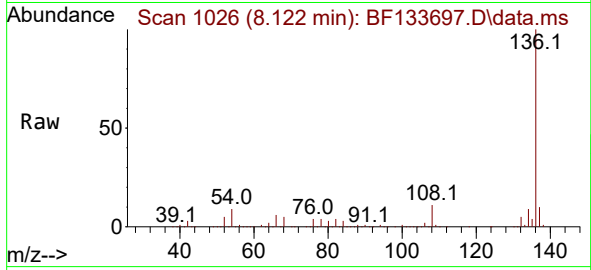




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF133697.D
Acq: 10 Jun 2023 03:34

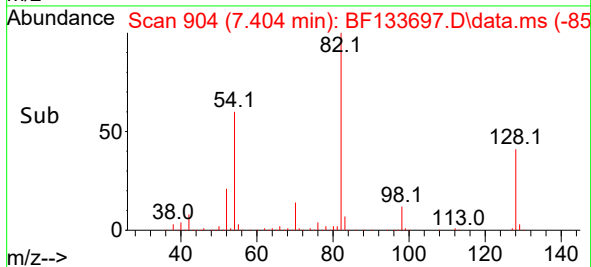
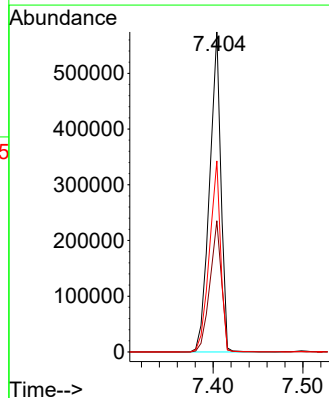
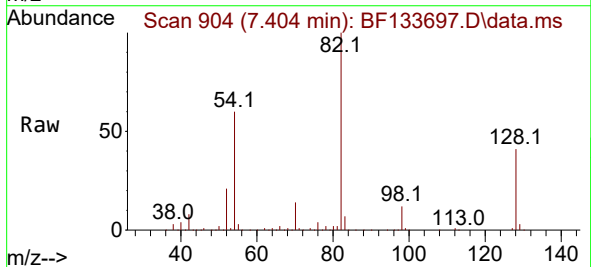
Instrument :
BNA_F
ClientSampleId :
TP-2

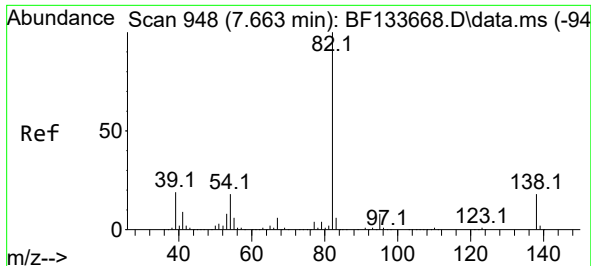
Tgt Ion:136 Resp: 350555
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 8.6 7.4 11.0
68 5.0 4.4 6.6



#23
Nitrobenzene-d5
Concen: 78.562 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF133697.D
Acq: 10 Jun 2023 03:34

Tgt Ion: 82 Resp: 505633
Ion Ratio Lower Upper
82 100
128 41.0 34.2 51.2
54 59.7 46.5 69.7

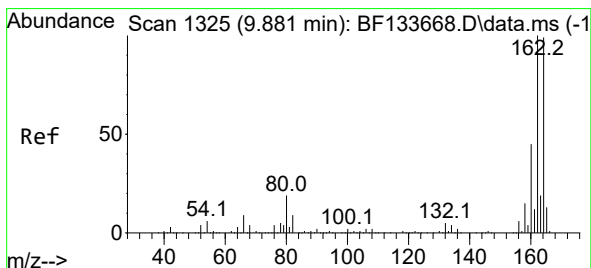
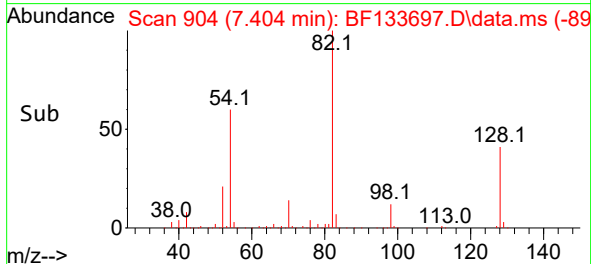
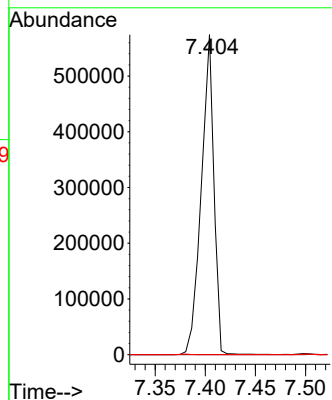
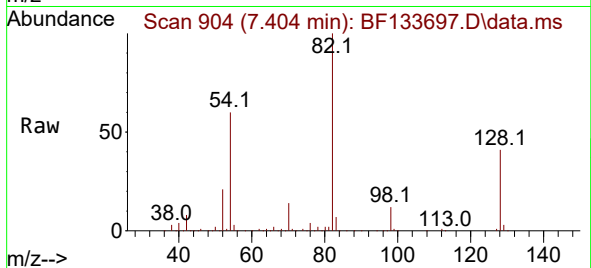




#25
Isophorone
Concen: 42.609 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.259 min
Lab File: BF133697.D
Acq: 10 Jun 2023 03:34

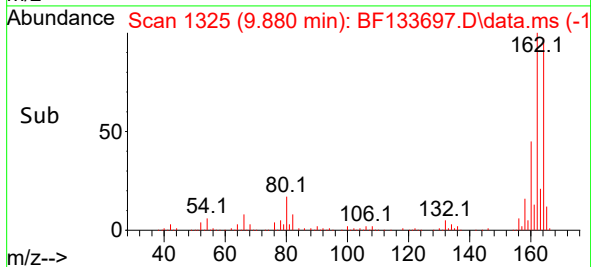
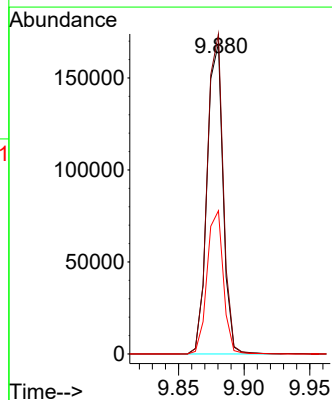
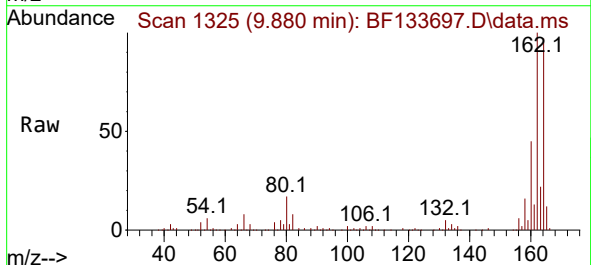
Instrument :
BNA_F
ClientSampleId :
TP-2

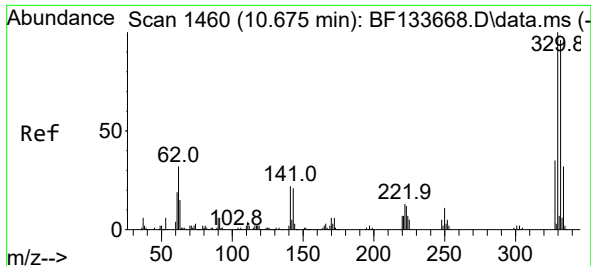
Tgt Ion: 82 Resp: 503469
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BF133697.D
Acq: 10 Jun 2023 03:34

Tgt Ion: 164 Resp: 143511
Ion Ratio Lower Upper
164 100
162 103.0 80.8 121.2
160 46.1 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 69.925 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF133697.D

Acq: 10 Jun 2023 03:34

Instrument :

BNA_F

ClientSampleId :

TP-2

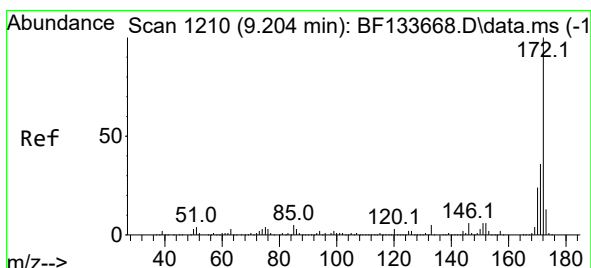
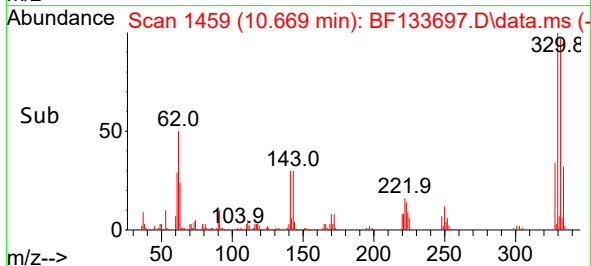
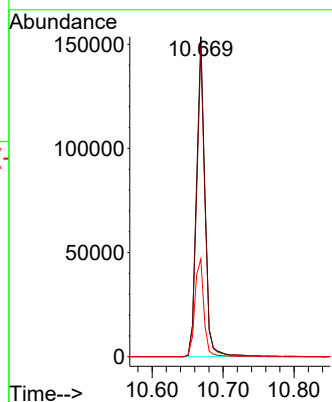
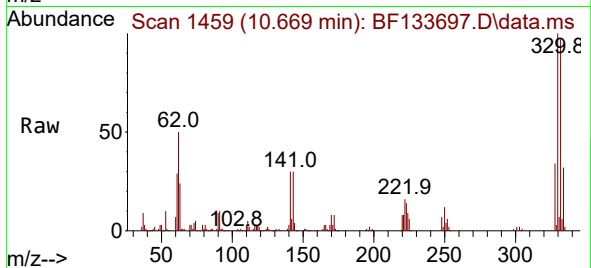
Tgt Ion:330 Resp: 127026

Ion Ratio Lower Upper

330 100

332 96.2 77.2 115.8

141 32.8 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 83.569 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF133697.D

Acq: 10 Jun 2023 03:34

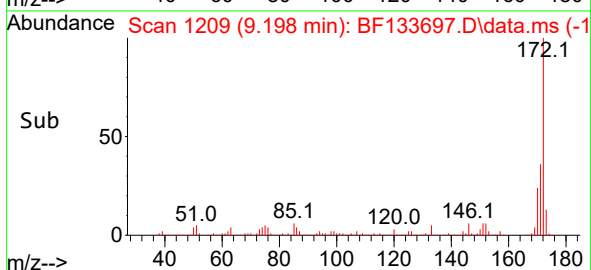
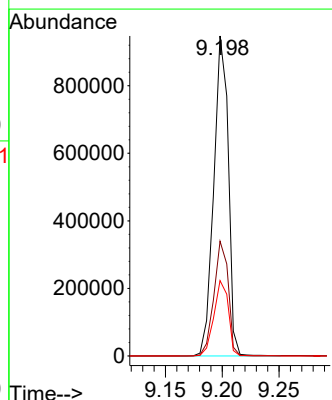
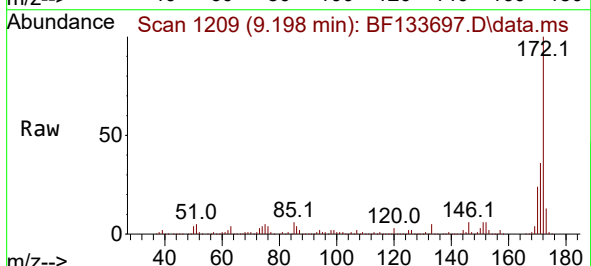
Tgt Ion:172 Resp: 843685

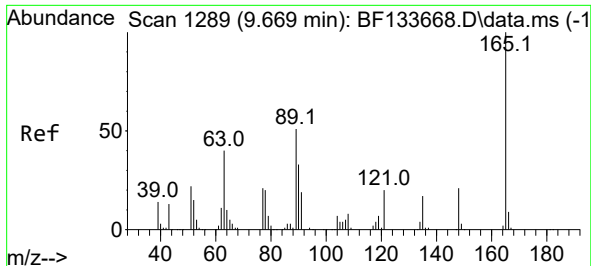
Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 23.5 19.1 28.7

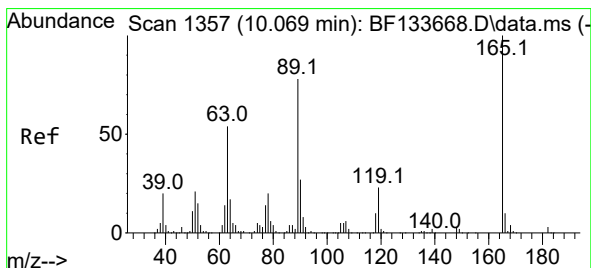
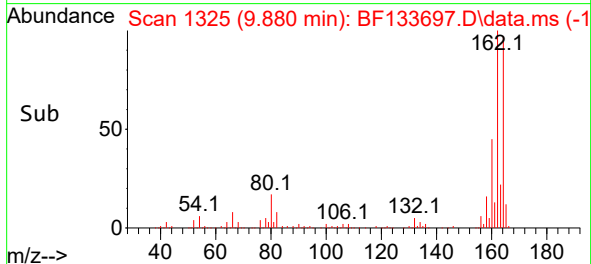
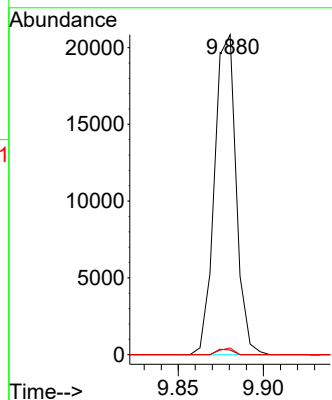
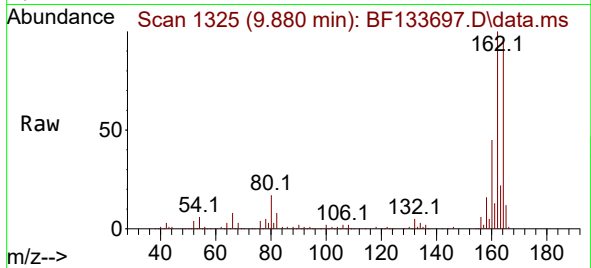




#51
2,6-Dinitrotoluene
Concen: 8.318 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.212 min
Lab File: BF133697.D
Acq: 10 Jun 2023 03:34

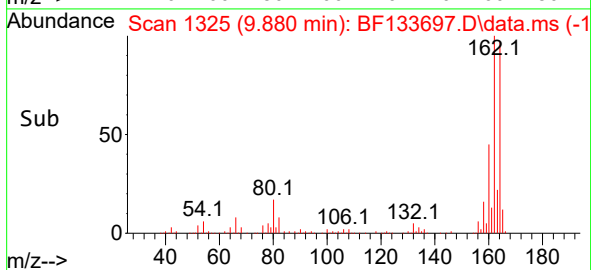
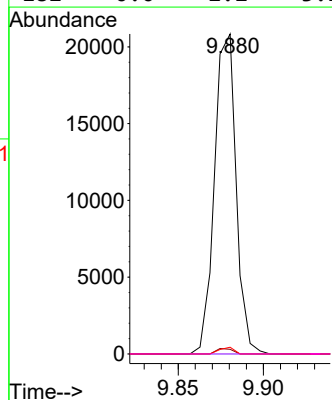
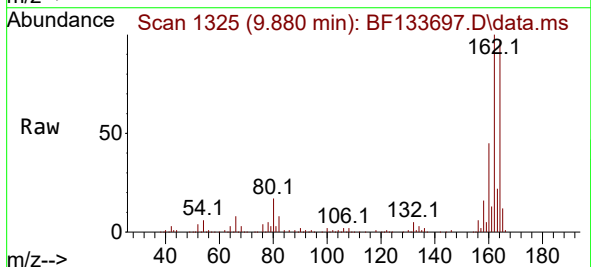
Instrument :
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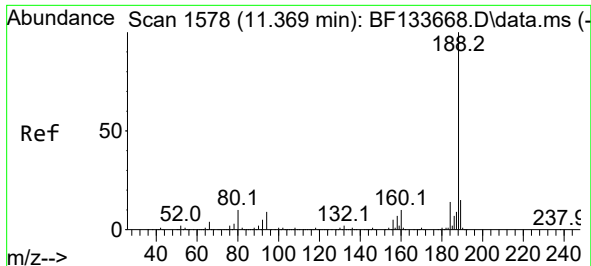
Tgt Ion:165 Resp: 18391
Ion Ratio Lower Upper
165 100
63 1.4 42.1 63.1#
89 2.1 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.540 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.189 min
Lab File: BF133697.D
Acq: 10 Jun 2023 03:34

Tgt Ion:165 Resp: 18391
Ion Ratio Lower Upper
165 100
63 1.4 43.0 64.6#
89 2.1 62.6 93.8#
182 0.0 2.2 3.2#

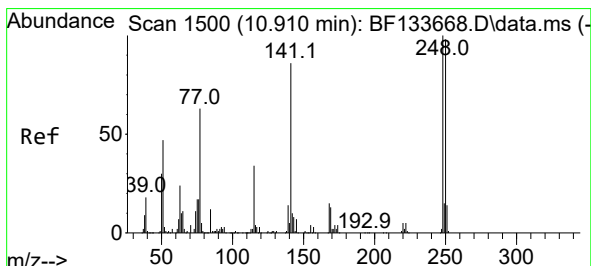
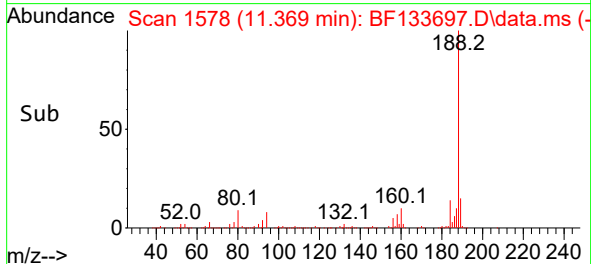
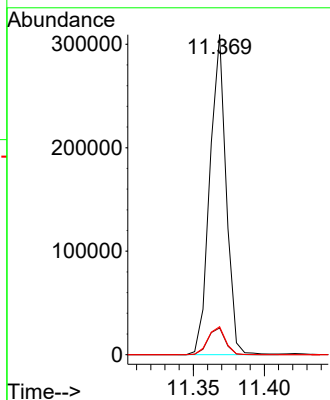
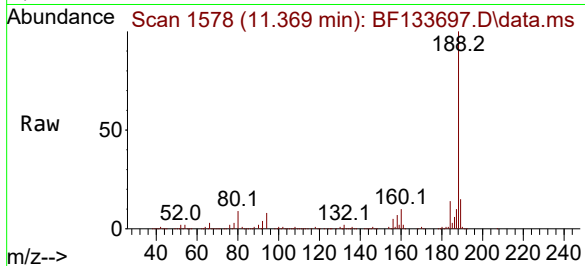




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133697.D
Acq: 10 Jun 2023 03:34

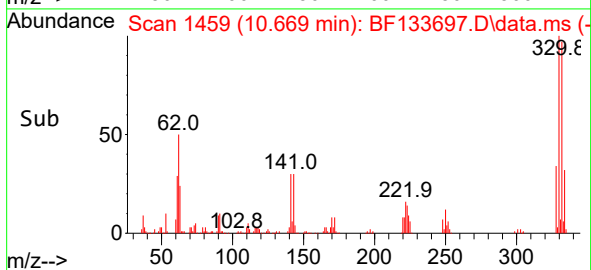
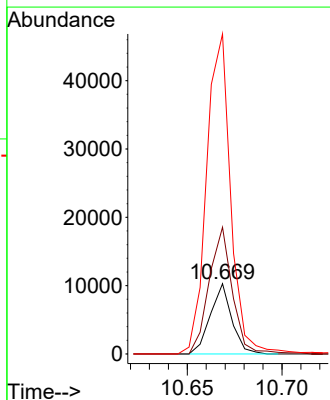
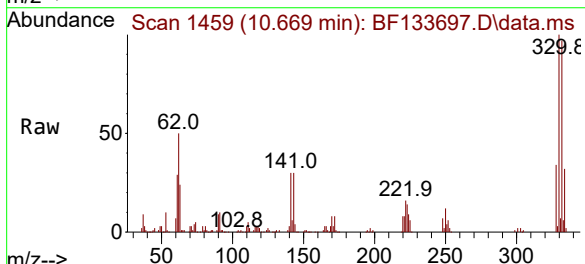
Instrument :
BNA_F
ClientSampleId :
TP-2

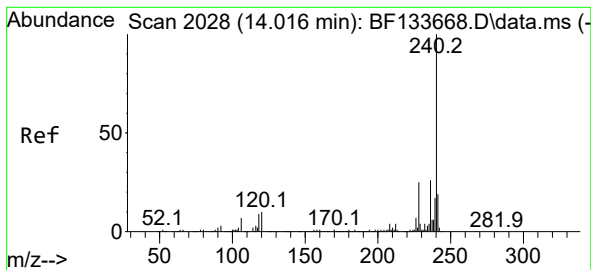
Tgt Ion:188 Resp: 247135
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 8.7 7.8 11.6



#67
4-Bromophenyl-phenylether
Concen: 2.946 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.241 min
Lab File: BF133697.D
Acq: 10 Jun 2023 03:34

Tgt Ion:248 Resp: 8126
Ion Ratio Lower Upper
248 100
250 180.5 78.3 117.5#
141 455.4 69.0 103.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF133697.D

Acq: 10 Jun 2023 03:34

Instrument :

BNA_F

ClientSampleId :

TP-2

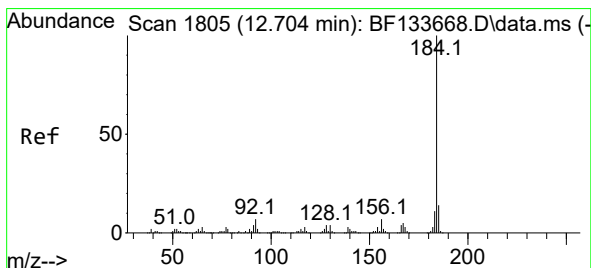
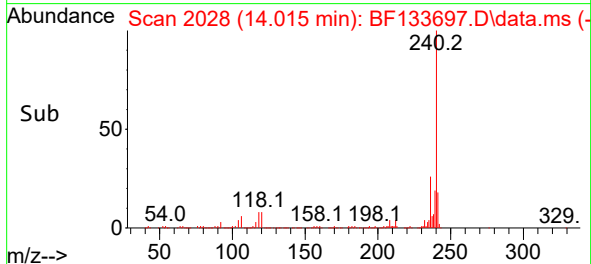
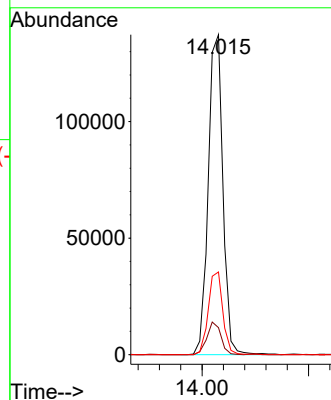
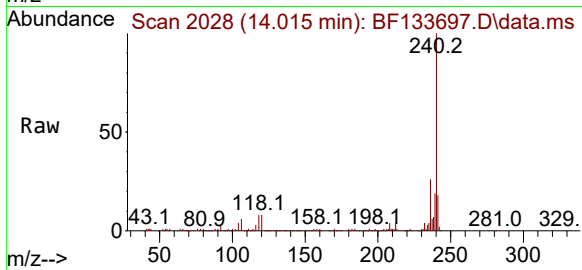
Tgt Ion:240 Resp: 131931

Ion Ratio Lower Upper

240 100

120 8.5 8.1 12.1

236 25.8 20.5 30.7



#77

Benzdine

Concen: 2.560 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.253 min

Lab File: BF133697.D

Acq: 10 Jun 2023 03:34

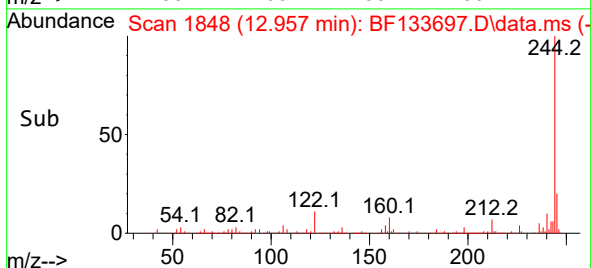
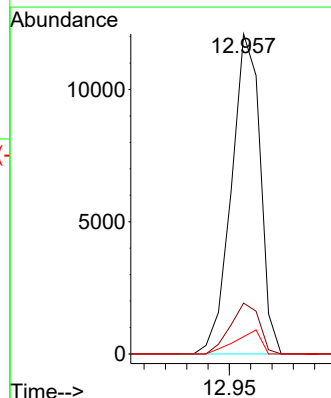
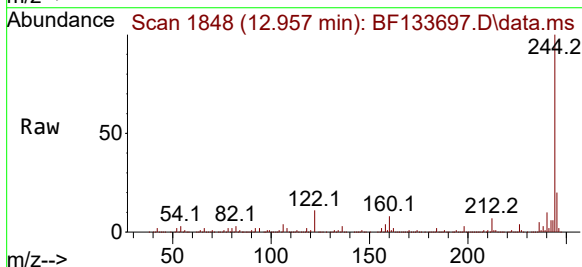
Tgt Ion:184 Resp: 11334

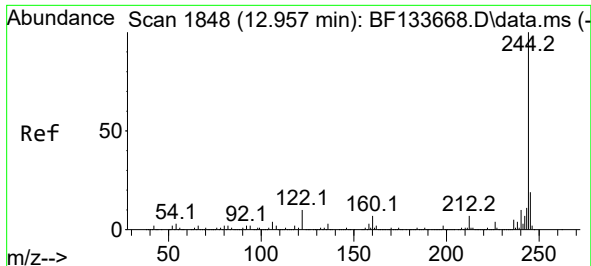
Ion Ratio Lower Upper

184 100

185 15.9 11.6 17.4

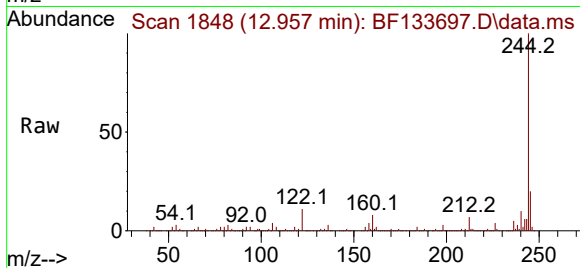
183 5.4 8.4 12.6#



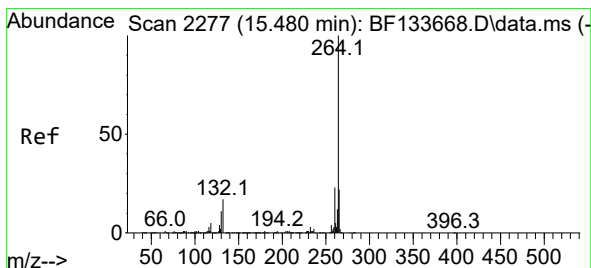
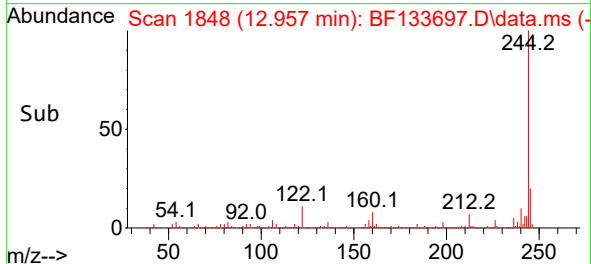
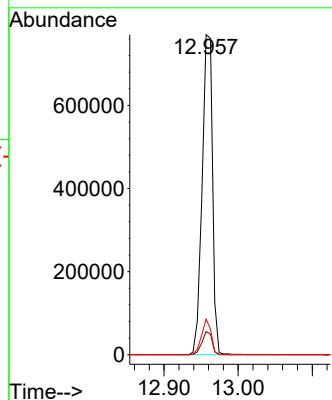


#79
Terphenyl-d14
Concen: 87.940 ng
RT: 12.957 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133697.D
Acq: 10 Jun 2023 03:34

Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:244 Resp: 749804
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 11.1 8.1 12.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF133697.D
Acq: 10 Jun 2023 03:34

Tgt Ion:264 Resp: 110255
Ion Ratio Lower Upper
264 100
260 21.9 18.2 27.2
265 20.9 17.8 26.6

