

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061523\
 Data File : BF133770.D
 Acq On : 15 Jun 2023 12:26
 Operator : CG\JU
 Sample : 03167-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-GA

Quant Time: Jun 15 13:14:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 14 16:27:59 2023
 Response via : Initial Calibration

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

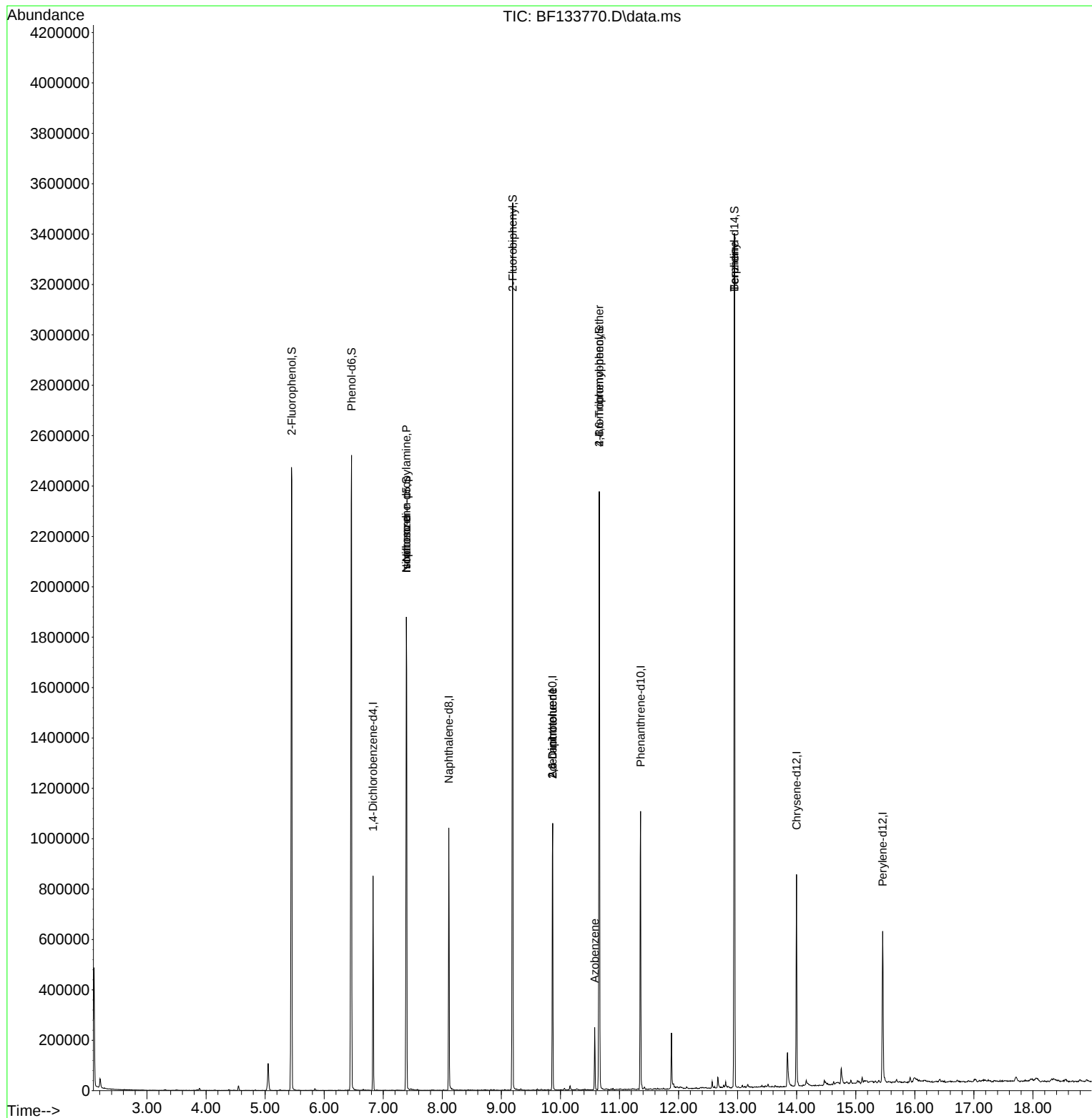
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	105676	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	398044	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	203656	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	397614	20.000	ng	0.00
76) Chrysene-d12	13.998	240	259418	20.000	ng	-0.01
86) Perylene-d12	15.457	264	265992	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	714015	117.626	ng	0.00
7) Phenol-d6	6.463	99	861452	109.026	ng	0.00
23) Nitrobenzene-d5	7.392	82	595081	81.428	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	286407	111.100	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	1060786	74.043	ng	0.00
79) Terphenyl-d14	12.945	244	1205465	71.902	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	84755	16.859	ng	# 80
25) Isophorone	7.392	82	595075	44.353	ng	# 65
51) 2,6-Dinitrotoluene	9.869	165	25179	8.025	ng	# 28
57) 2,4-Dinitrotoluene	9.869	165	25179	6.310	ng	# 19
63) Azobenzene	10.580	77	38555	2.632	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	18316	4.127	ng	# 1
77) Benzidine	12.945	184	17698	2.033	ng	# 93

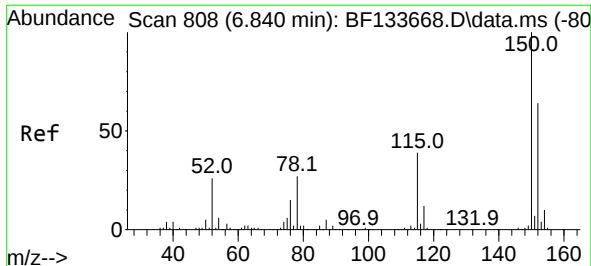
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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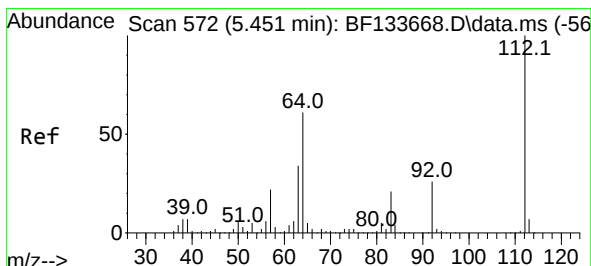
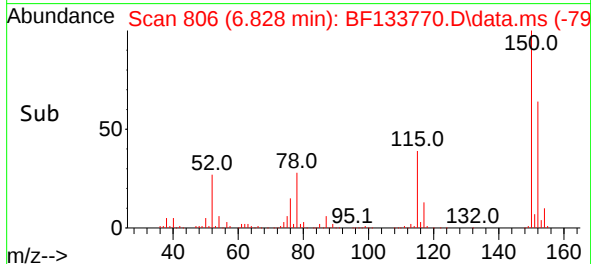
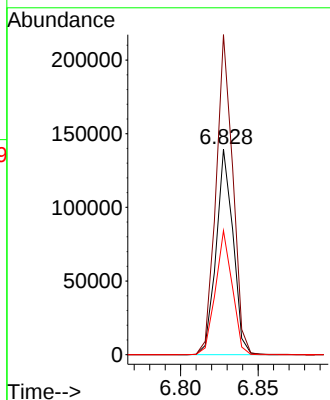
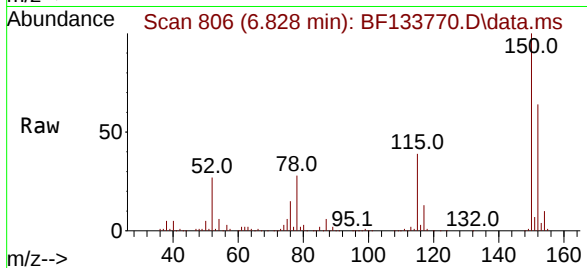




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133770.D
Acq: 15 Jun 2023 12:26

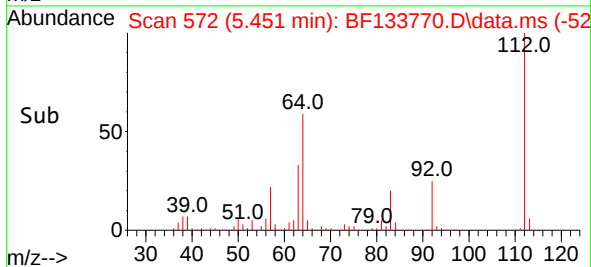
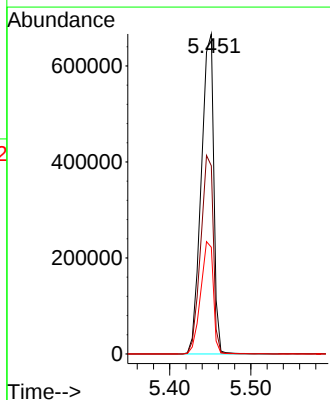
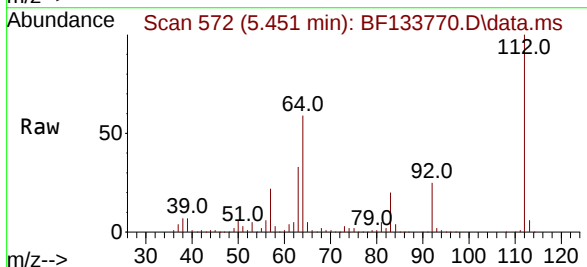
Instrument :
BNA_F
ClientSampleId :
TP-4-GA

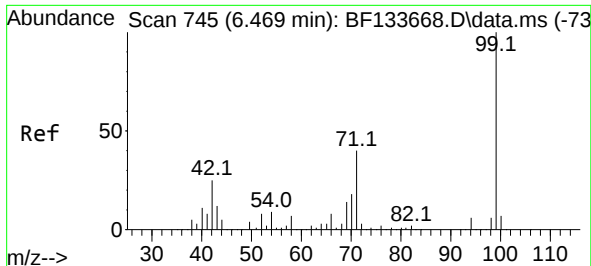
Tgt Ion:152 Resp: 105676
Ion Ratio Lower Upper
152 100
150 155.6 124.3 186.5
115 60.3 48.5 72.7



#5
2-Fluorophenol
Concen: 117.626 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF133770.D
Acq: 15 Jun 2023 12:26

Tgt Ion:112 Resp: 714015
Ion Ratio Lower Upper
112 100
64 58.8 49.0 73.4
63 33.3 26.8 40.2

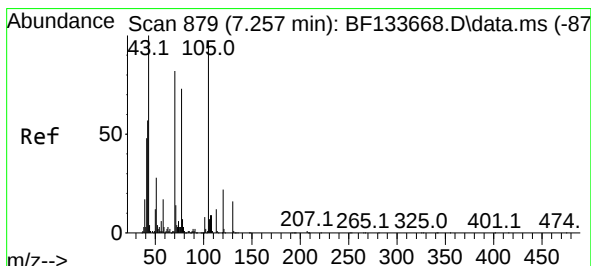
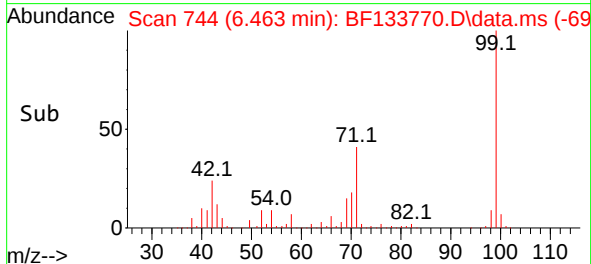
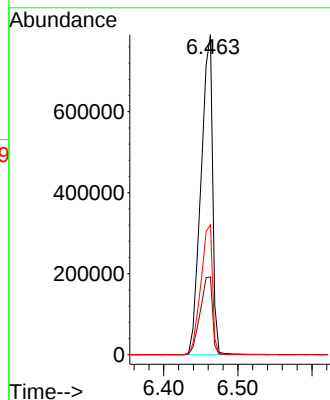
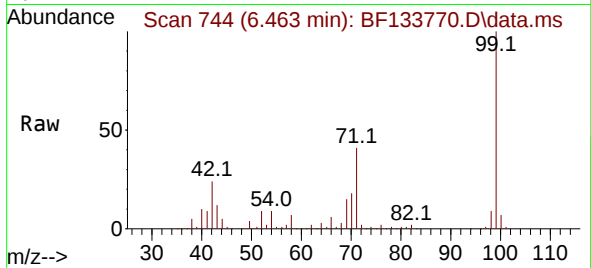




#7
Phenol-d6
Concen: 109.026 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133770.D
Acq: 15 Jun 2023 12:26

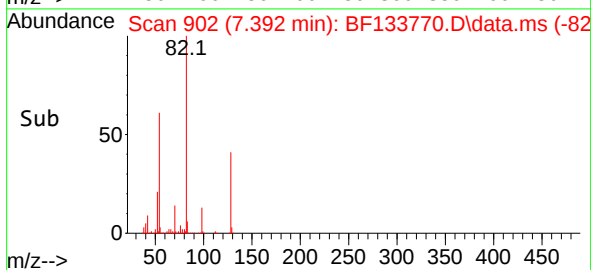
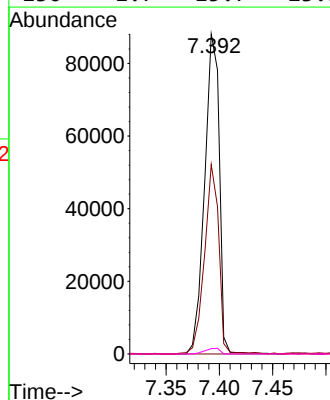
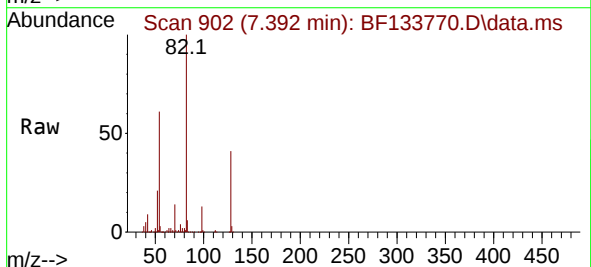
Instrument :
BNA_F
ClientSampleId :
TP-4-GA

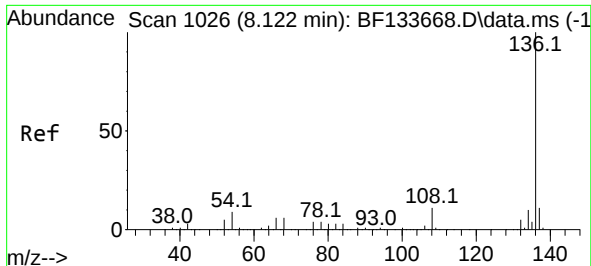
Tgt Ion: 99 Resp: 861452
Ion Ratio Lower Upper
99 100
42 24.3 19.9 29.9
71 40.6 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.859 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF133770.D
Acq: 15 Jun 2023 12:26

Tgt Ion: 70 Resp: 84755
Ion Ratio Lower Upper
70 100
42 59.2 55.8 83.8
101 0.0 8.1 12.1#
130 1.7 15.7 23.5#

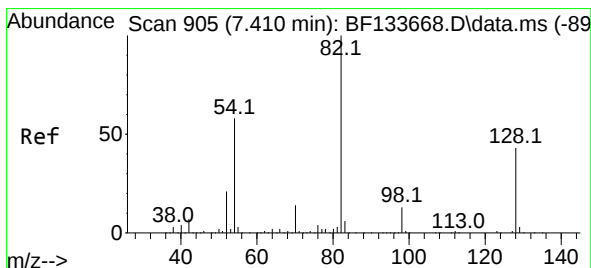
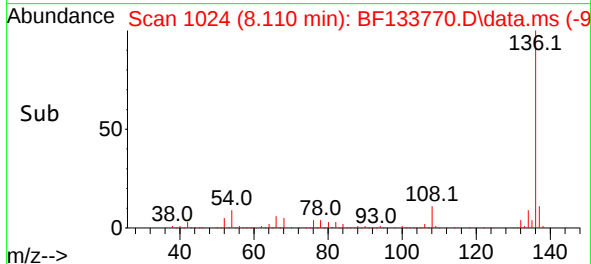
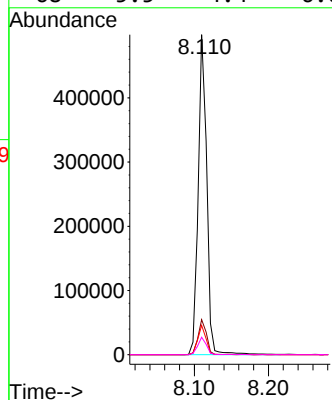
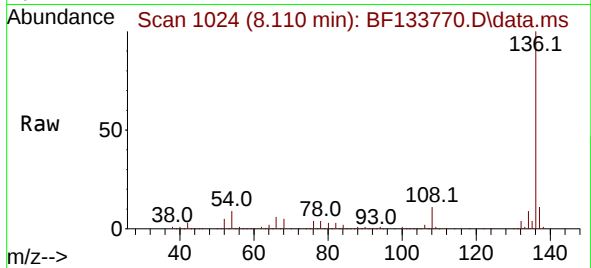




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133770.D
Acq: 15 Jun 2023 12:26

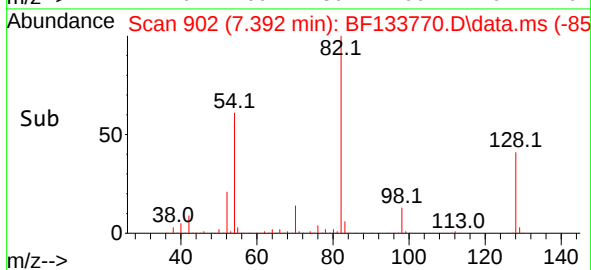
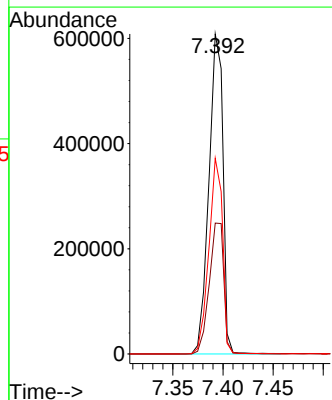
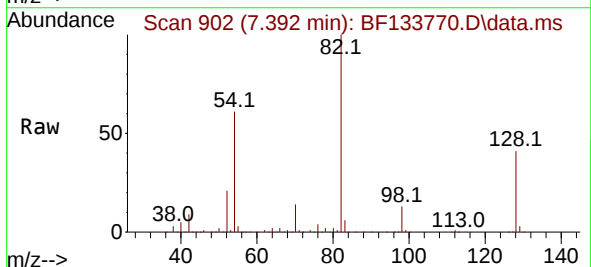
Instrument :
BNA_F
ClientSampleId :
TP-4-GA

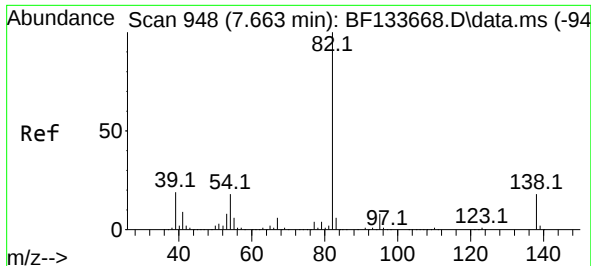
Tgt Ion:136 Resp: 398044
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.1 7.4 11.0
68 5.5 4.4 6.6



#23
Nitrobenzene-d5
Concen: 81.428 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF133770.D
Acq: 15 Jun 2023 12:26

Tgt Ion: 82 Resp: 595081
Ion Ratio Lower Upper
82 100
128 40.9 34.2 51.2
54 61.1 46.5 69.7

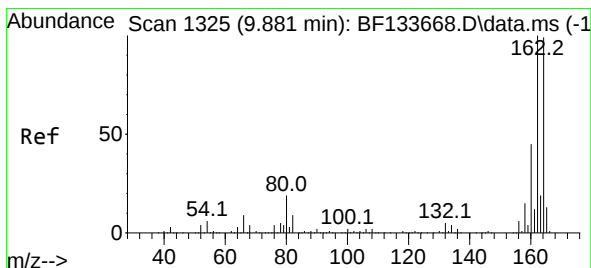
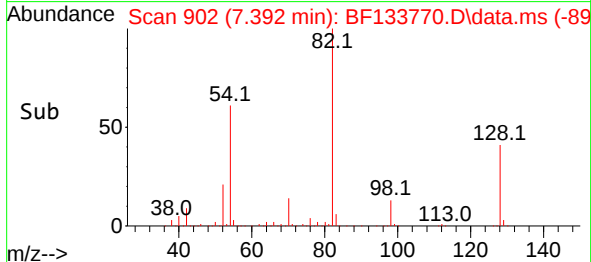
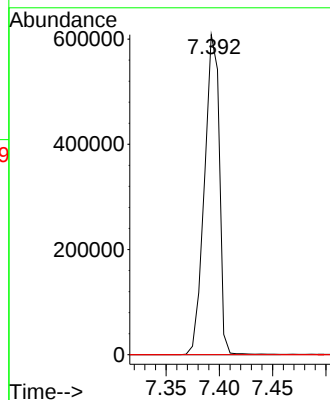
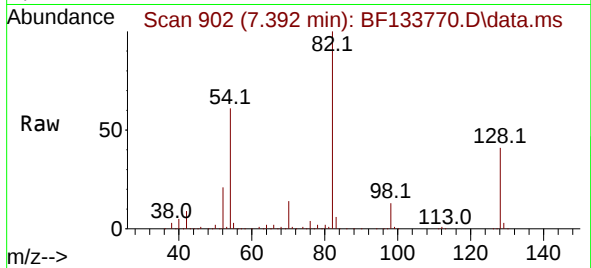




#25
Isophorone
Concen: 44.353 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133770.D
Acq: 15 Jun 2023 12:26

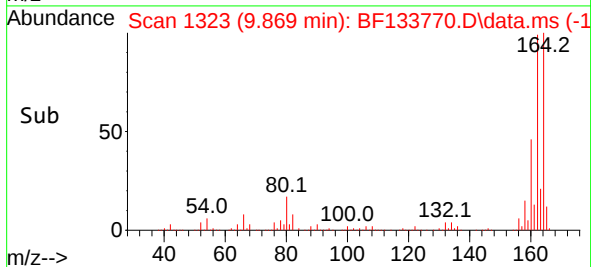
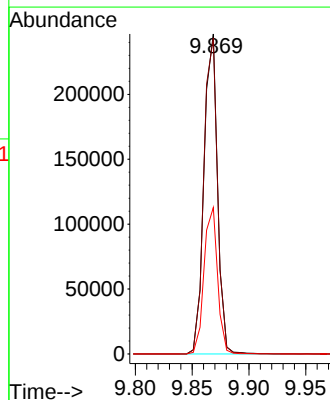
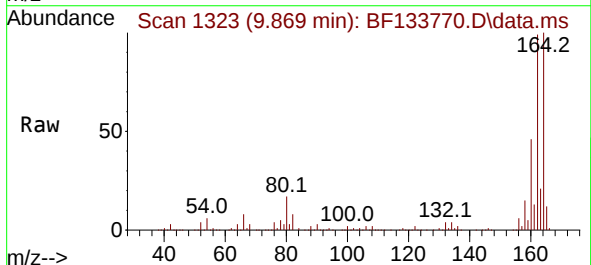
Instrument :
BNA_F
ClientSampleId :
TP-4-GA

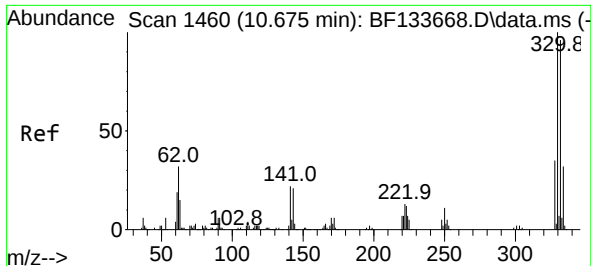
Tgt Ion: 82 Resp: 595075
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133770.D
Acq: 15 Jun 2023 12:26

Tgt Ion:164 Resp: 203656
Ion Ratio Lower Upper
164 100
162 98.8 80.8 121.2
160 45.8 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 111.100 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.012 min

Lab File: BF133770.D

Acq: 15 Jun 2023 12:26

Instrument :

BNA_F

ClientSampleId :

TP-4-GA

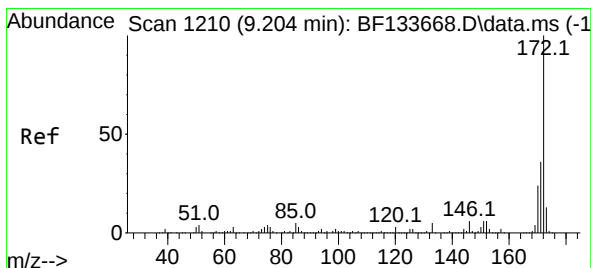
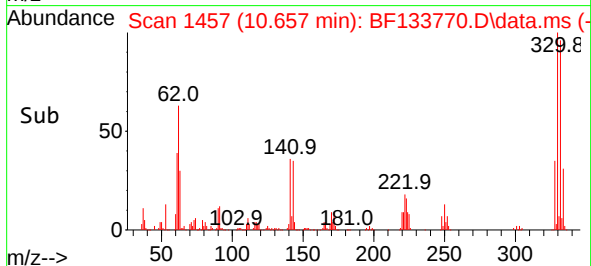
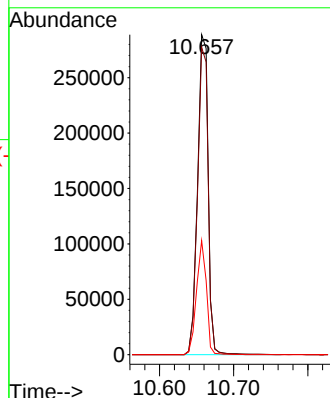
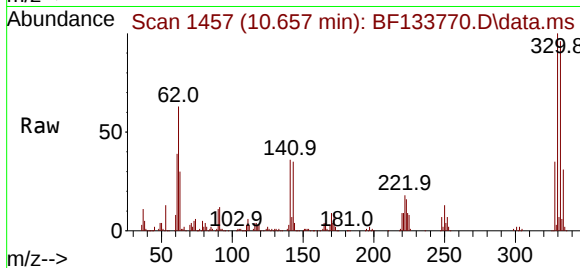
Tgt Ion:330 Resp: 286407

Ion Ratio Lower Upper

330 100

332 96.1 77.2 115.8

141 33.2 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 74.043 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.000 min

Lab File: BF133770.D

Acq: 15 Jun 2023 12:26

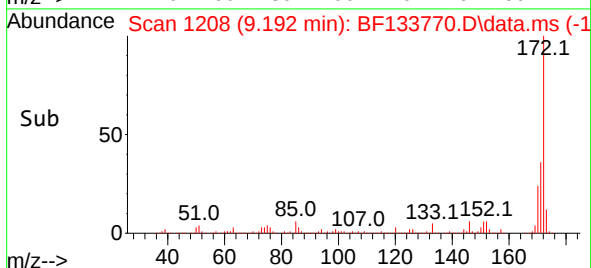
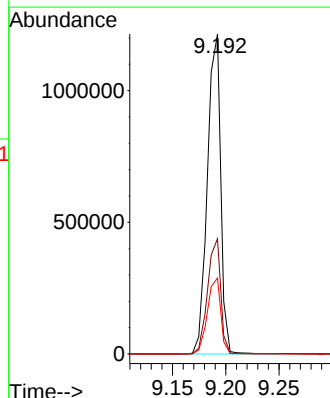
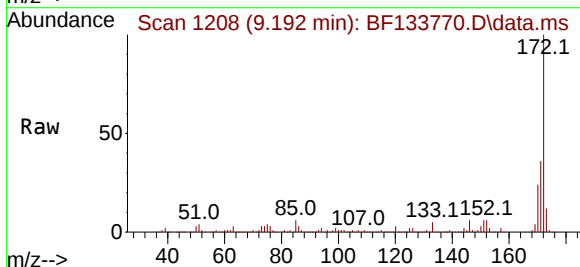
Tgt Ion:172 Resp: 1060786

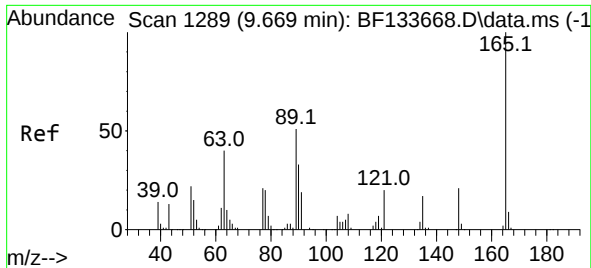
Ion Ratio Lower Upper

172 100

171 36.0 28.6 43.0

170 23.8 19.1 28.7

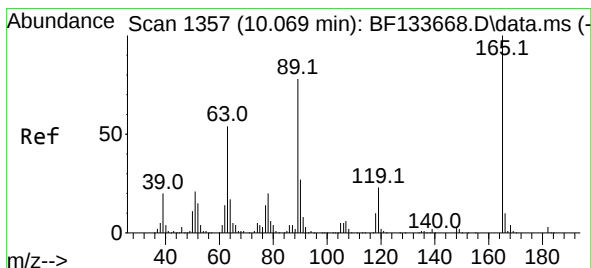
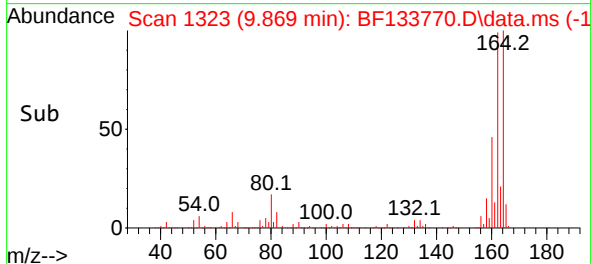
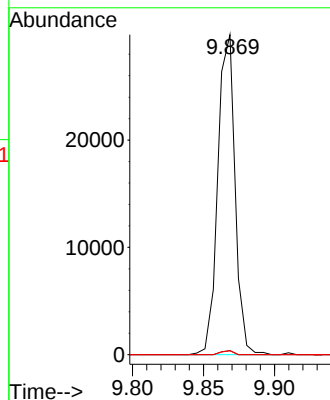
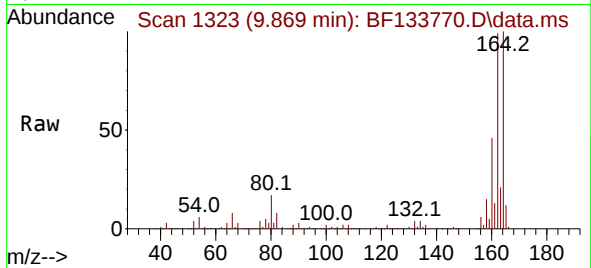




#51
2,6-Dinitrotoluene
Concen: 8.025 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133770.D
Acq: 15 Jun 2023 12:26

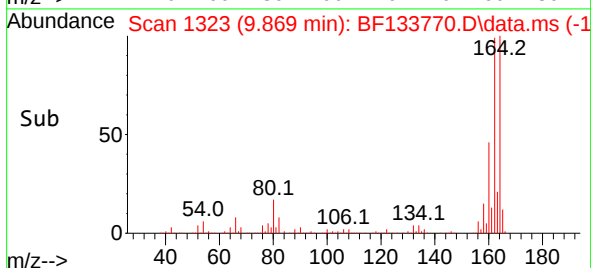
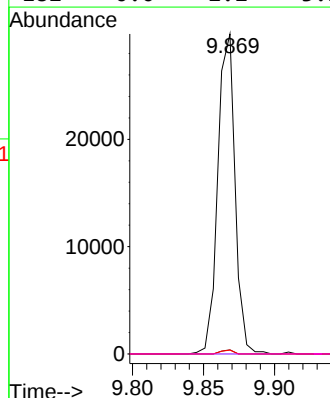
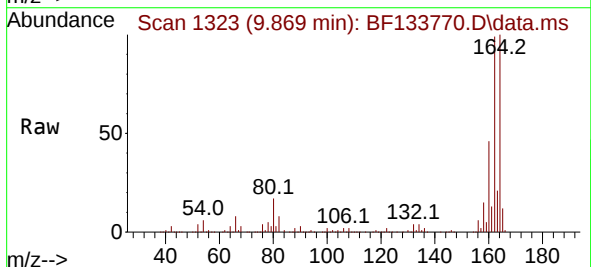
Instrument :
BNA_F
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TP-4-GA

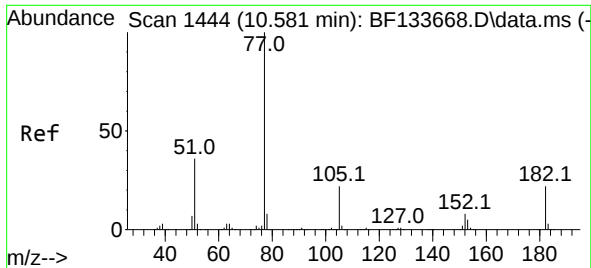
Tgt Ion:165 Resp: 25179
Ion Ratio Lower Upper
165 100
63 1.3 42.1 63.1#
89 1.2 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.310 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF133770.D
Acq: 15 Jun 2023 12:26

Tgt Ion:165 Resp: 25179
Ion Ratio Lower Upper
165 100
63 1.3 43.0 64.6#
89 1.2 62.6 93.8#
182 0.0 2.2 3.2#

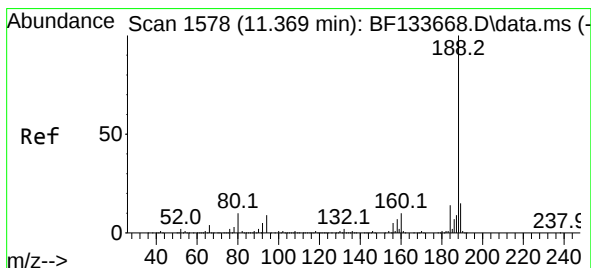
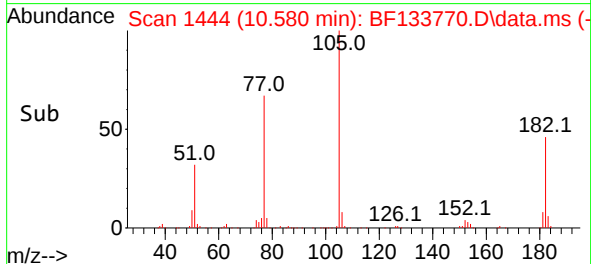
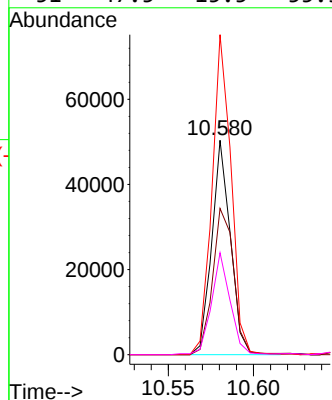
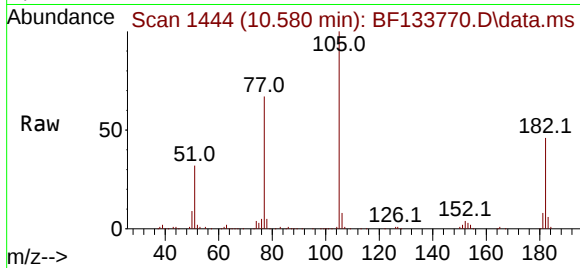




#63
Azobenzene
Concen: 2.632 ng
RT: 10.580 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF133770.D
Acq: 15 Jun 2023 12:26

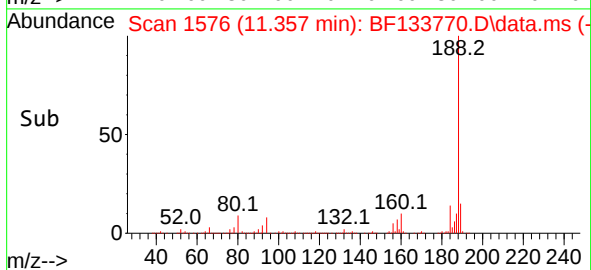
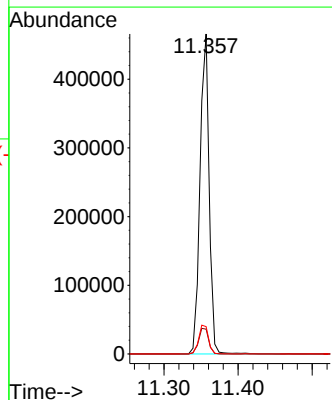
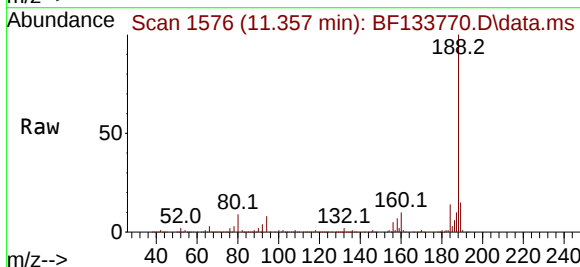
Instrument :
BNA_F
ClientSampleId :
TP-4-GA

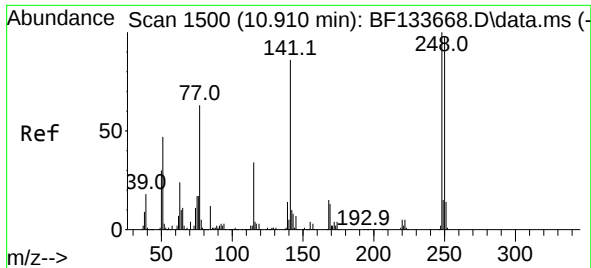
Tgt Ion: 77 Resp: 38555
Ion Ratio Lower Upper
77 100
182 68.2 1.6 41.6#
105 149.2 1.6 41.6#
51 47.5 15.5 55.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF133770.D
Acq: 15 Jun 2023 12:26

Tgt Ion:188 Resp: 397614
Ion Ratio Lower Upper
188 100
94 7.8 6.8 10.2
80 8.5 7.8 11.6

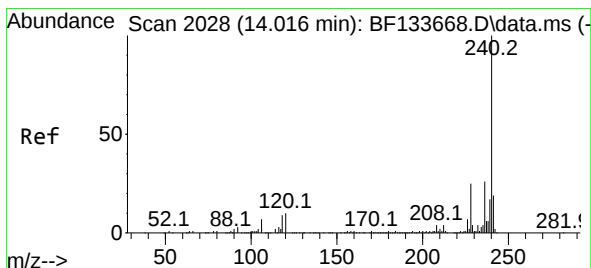
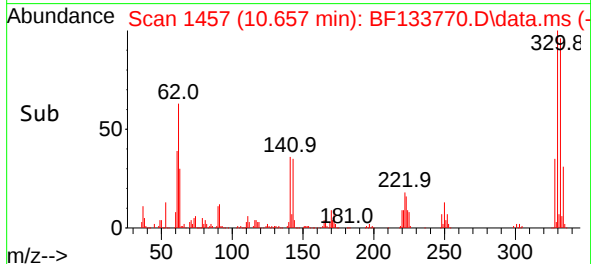
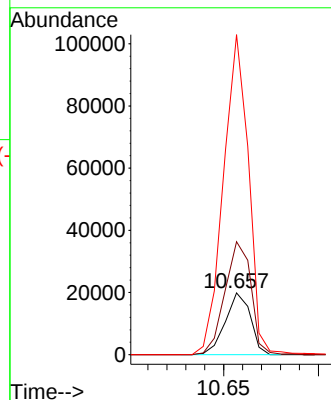
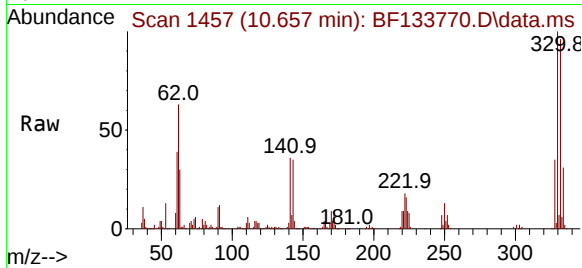




#67
4-Bromophenyl-phenylether
Concen: 4.127 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133770.D
Acq: 15 Jun 2023 12:26

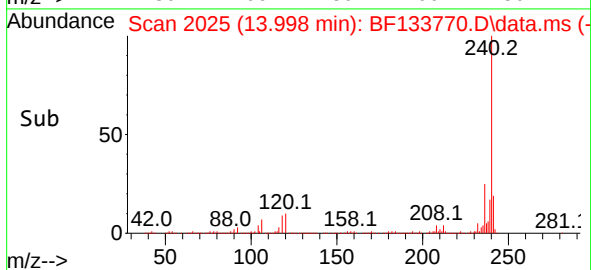
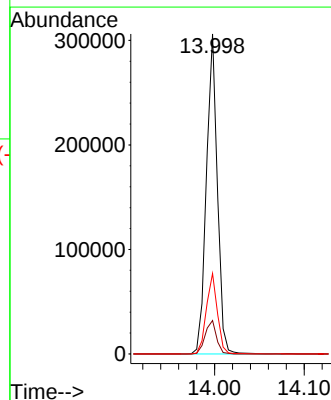
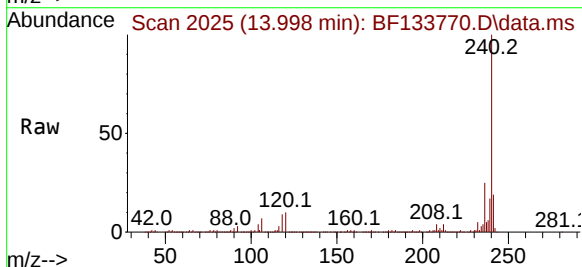
Instrument :
BNA_F
ClientSampleId :
TP-4-GA

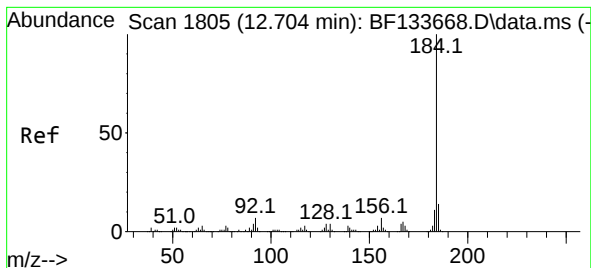
Tgt Ion:248 Resp: 18316
Ion Ratio Lower Upper
248 100
250 183.2 78.3 117.5#
141 518.6 69.0 103.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF133770.D
Acq: 15 Jun 2023 12:26

Tgt Ion:240 Resp: 259418
Ion Ratio Lower Upper
240 100
120 10.5 8.1 12.1
236 25.2 20.5 30.7





#77

Benzidine

Concen: 2.033 ng

RT: 12.945 min Scan# 1846

Delta R.T. 0.247 min

Lab File: BF133770.D

Acq: 15 Jun 2023 12:26

Instrument :

BNA_F

ClientSampleId :

TP-4-GA

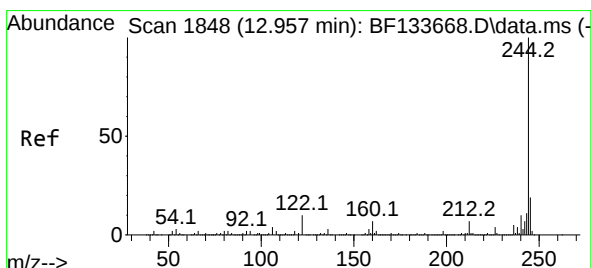
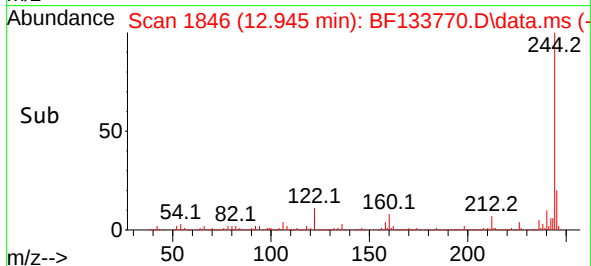
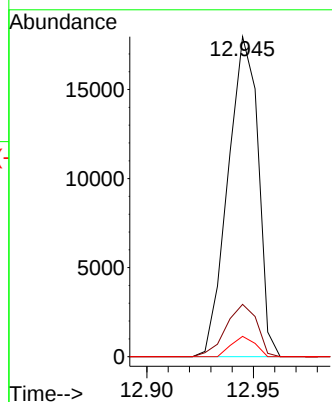
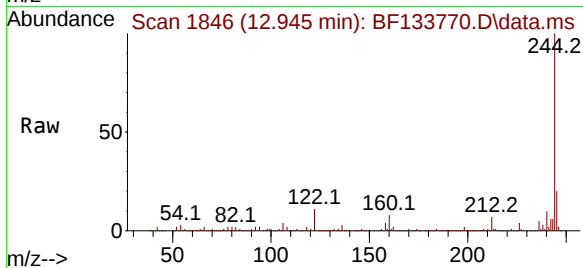
Tgt Ion:184 Resp: 17698

Ion Ratio Lower Upper

184 100

185 16.4 11.6 17.4

183 6.3 8.4 12.6#



#79

Terphenyl-d14

Concen: 71.902 ng

RT: 12.945 min Scan# 1846

Delta R.T. -0.006 min

Lab File: BF133770.D

Acq: 15 Jun 2023 12:26

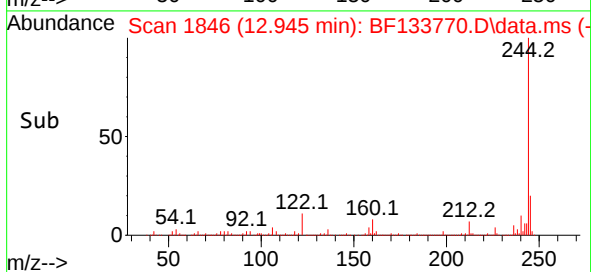
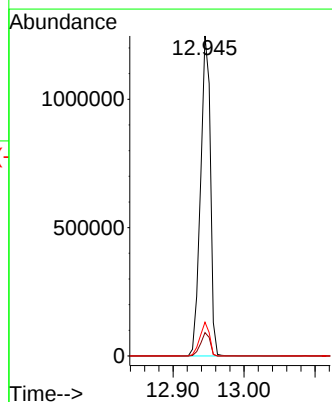
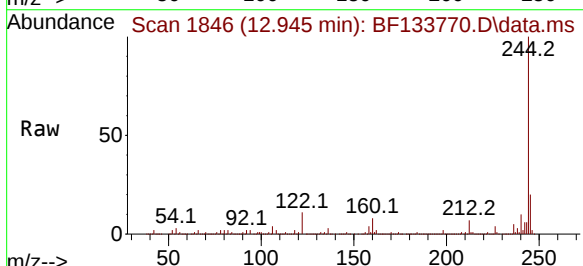
Tgt Ion:244 Resp: 1205465

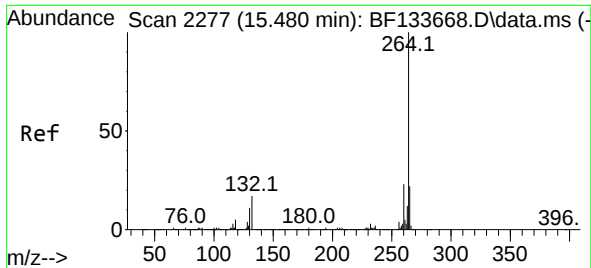
Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.2

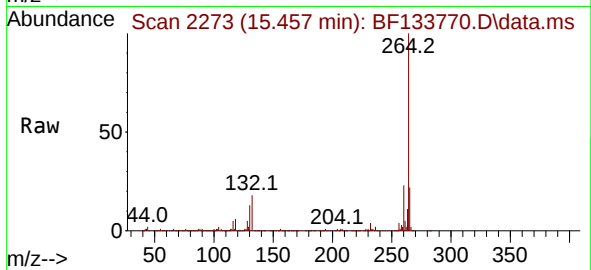
122 10.6 8.1 12.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.457 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF133770.D
 Acq: 15 Jun 2023 12:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-GA



Tgt Ion:264 Resp: 265992

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.2
265	21.7	17.8	26.6

