

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135809.D
 Acq On : 17 Oct 2023 13:35
 Operator : CG\JU
 Sample : 04724-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW4

Quant Time: Oct 18 01:36:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

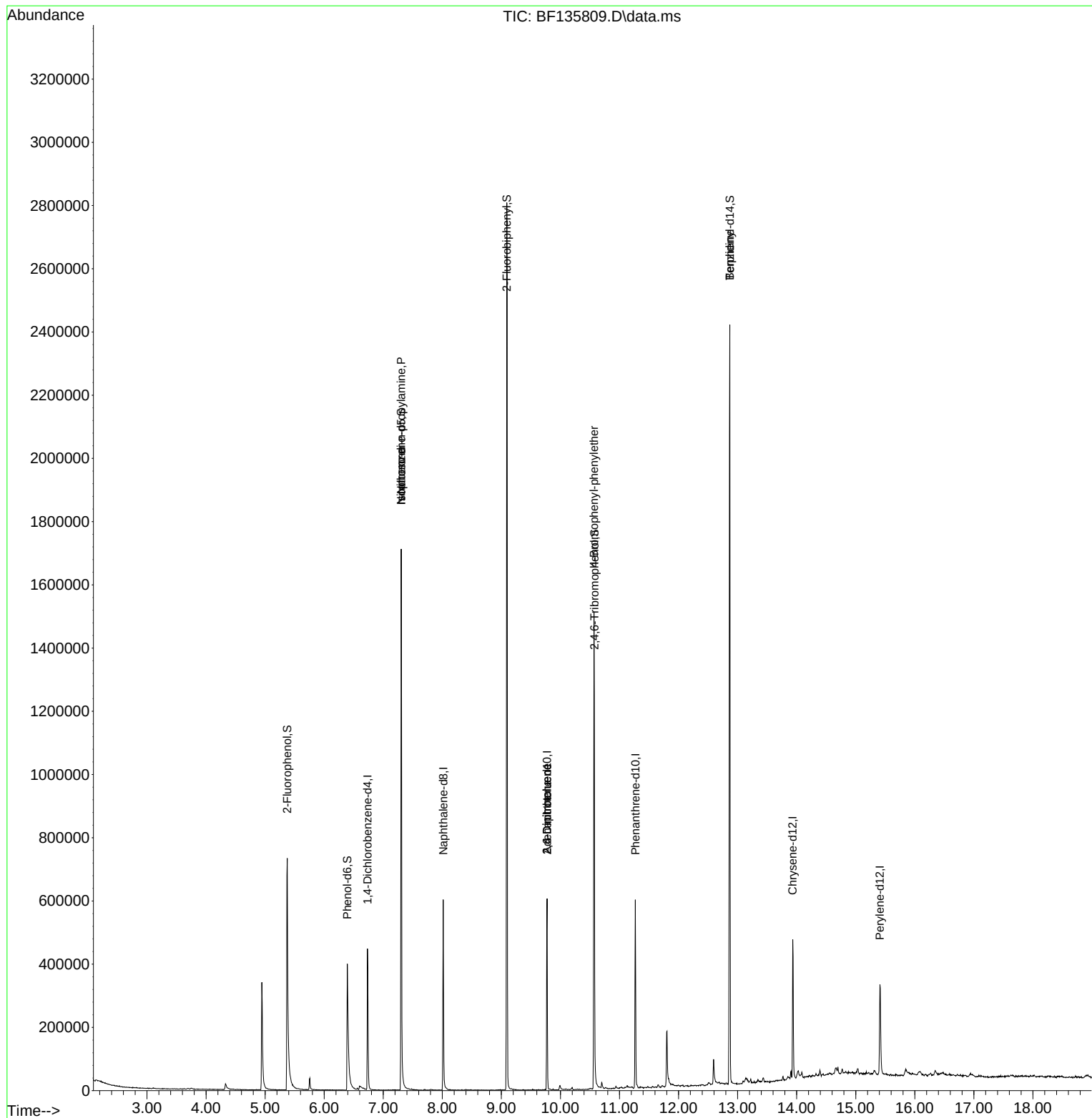
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	69526	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	254542	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	119358	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	213368	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	159621	20.000	ng	-0.02
86) Perylene-d12	15.410	264	148287	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	299830	69.334	ng	0.00
7) Phenol-d6	6.393	99	205669	38.117	ng	0.00
23) Nitrobenzene-d5	7.304	82	499066	107.834	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	192411	167.995	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	892788	116.949	ng	-0.01
79) Terphenyl-d14	12.869	244	857249	99.457	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	67678	20.286	ng	# 77
25) Isophorone	7.304	82	499060	57.158	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	15082	8.704	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	15082	6.842	ng	# 24
67) 4-Bromophenyl-phenylether	10.569	248	11500	5.369	ng	# 1
77) Benzidine	12.869	184	11096	3.186	ng	# 93

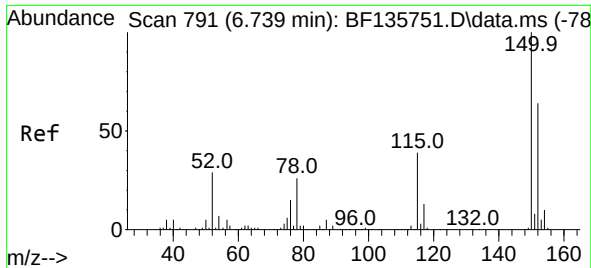
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

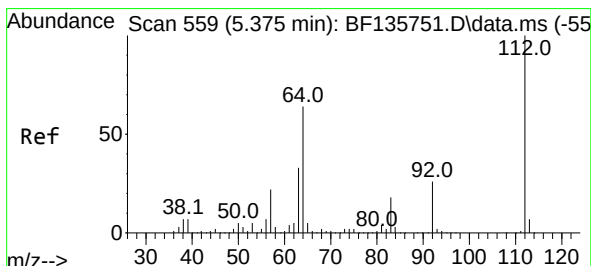
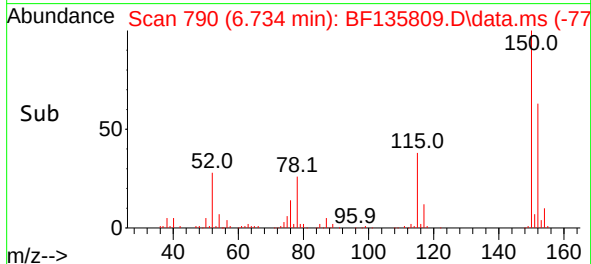
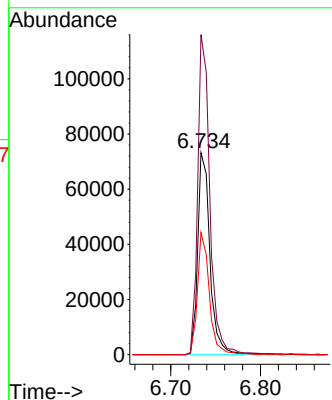
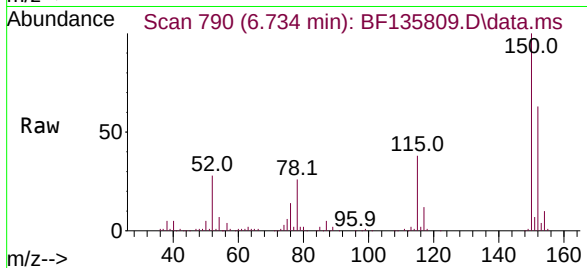




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135809.D
Acq: 17 Oct 2023 13:35

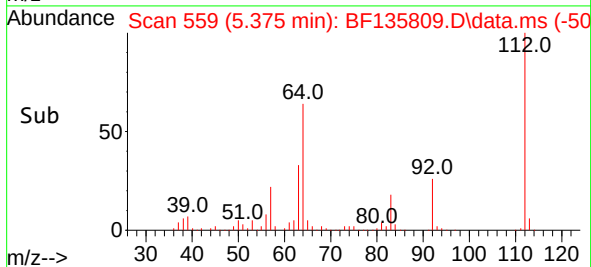
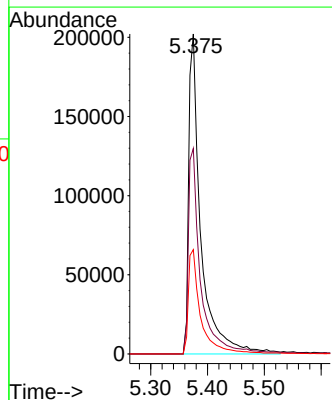
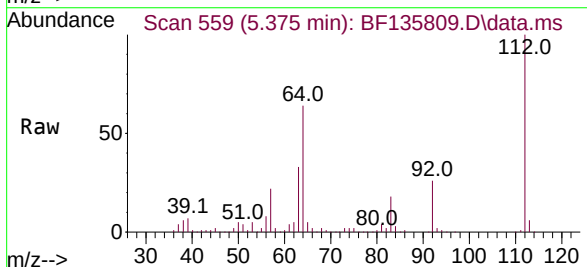
Instrument :
BNA_F
ClientSampleId :
RW4

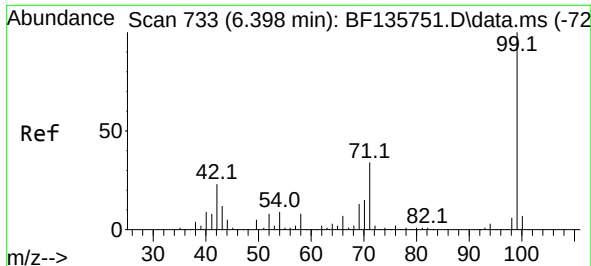
Tgt Ion:152 Resp: 69526
Ion Ratio Lower Upper
152 100
150 158.5 124.5 186.7
115 60.6 49.0 73.4



#5
2-Fluorophenol
Concen: 69.334 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135809.D
Acq: 17 Oct 2023 13:35

Tgt Ion:112 Resp: 299830
Ion Ratio Lower Upper
112 100
64 64.2 51.2 76.8
63 32.6 26.1 39.1

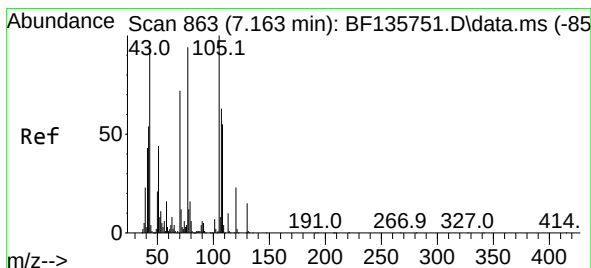
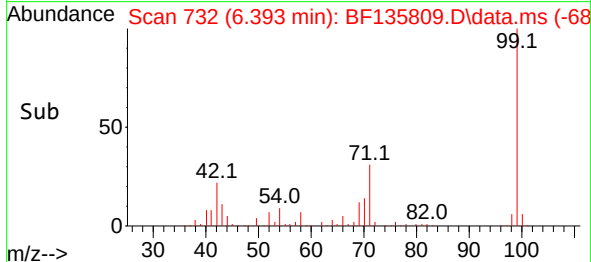
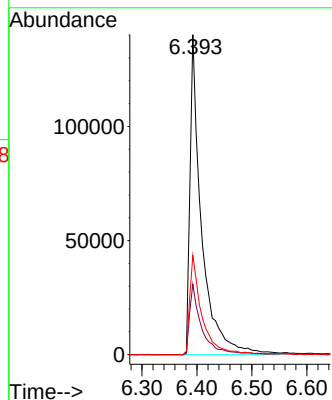
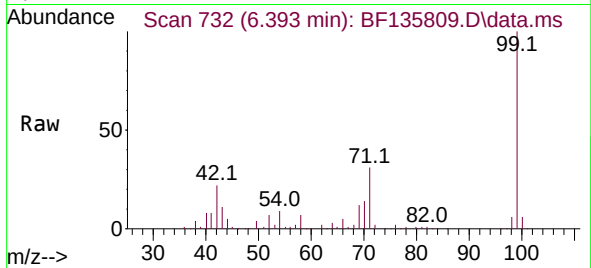




#7
Phenol-d6
Concen: 38.117 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135809.D
Acq: 17 Oct 2023 13:35

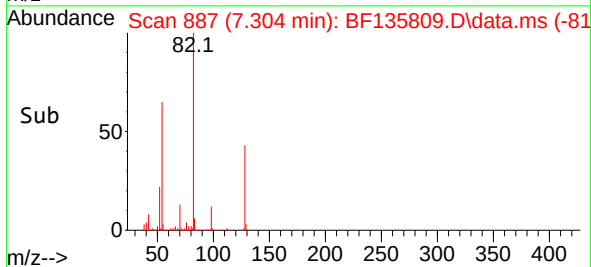
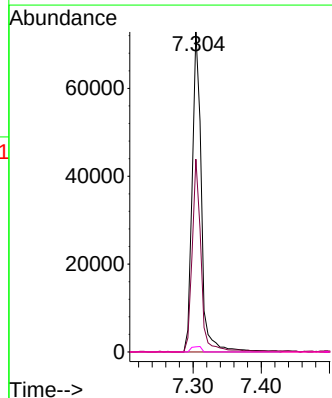
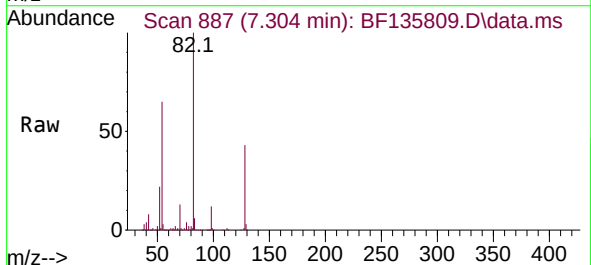
Instrument :
BNA_F
ClientSampleId :
RW4

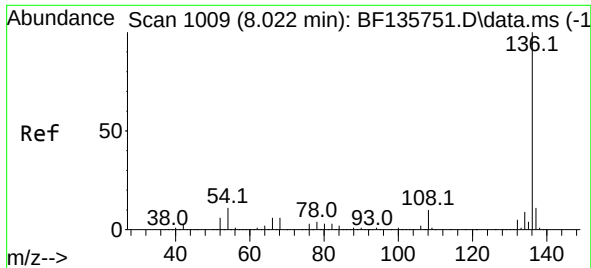
Tgt Ion: 99 Resp: 205669
Ion Ratio Lower Upper
99 100
42 22.0 18.4 27.6
71 31.0 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 20.286 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135809.D
Acq: 17 Oct 2023 13:35

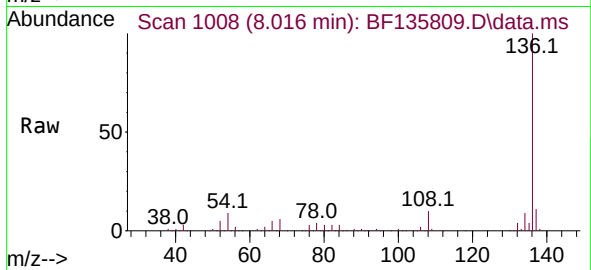
Tgt Ion: 70 Resp: 67678
Ion Ratio Lower Upper
70 100
42 60.2 59.8 89.6
101 0.0 7.4 11.2#
130 1.6 16.6 24.8#



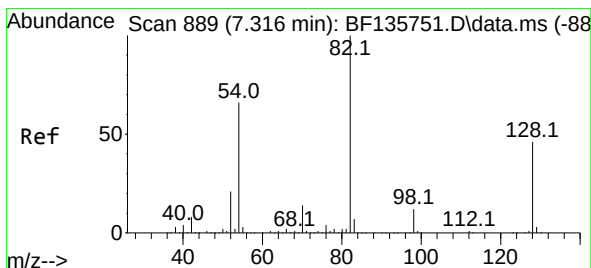
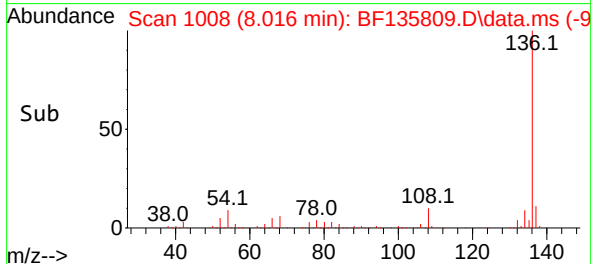
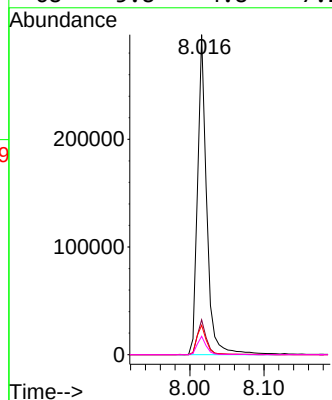


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135809.D
Acq: 17 Oct 2023 13:35

Instrument :
BNA_F
ClientSampleId :
RW4

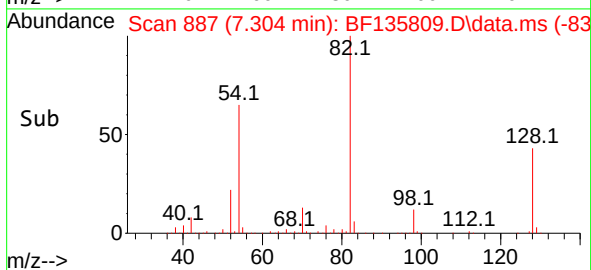
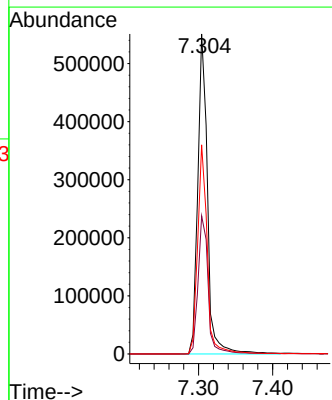
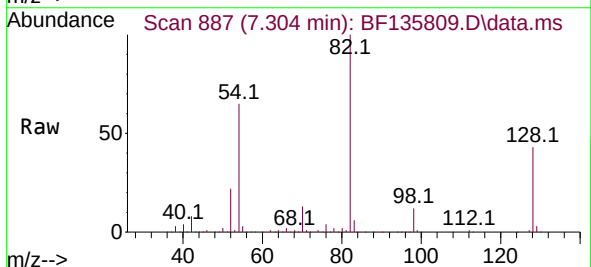


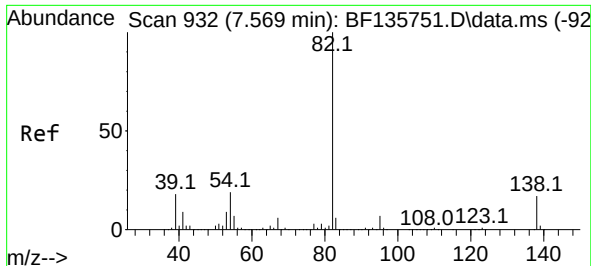
Tgt Ion:136 Resp: 254542
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.2 8.5 12.7
68 5.8 4.8 7.2



#23
Nitrobenzene-d5
Concen: 107.834 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135809.D
Acq: 17 Oct 2023 13:35

Tgt Ion: 82 Resp: 499066
Ion Ratio Lower Upper
82 100
128 43.2 37.0 55.6
54 65.4 52.8 79.2

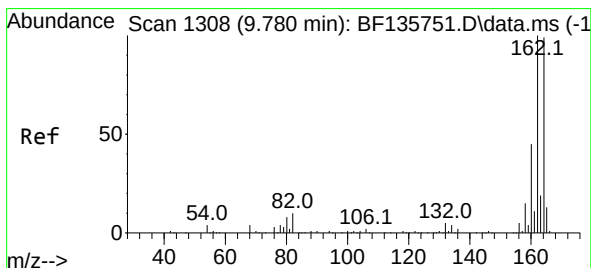
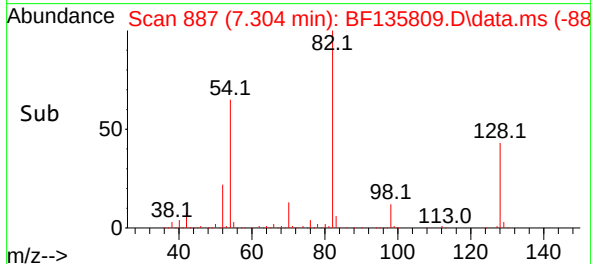
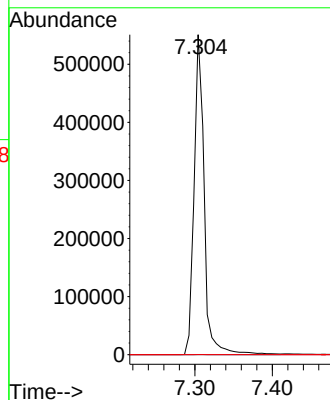
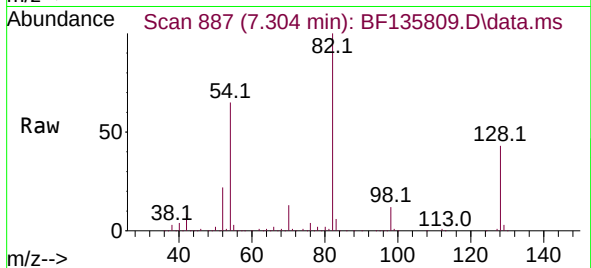




#25
Isophorone
Concen: 57.158 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135809.D
Acq: 17 Oct 2023 13:35

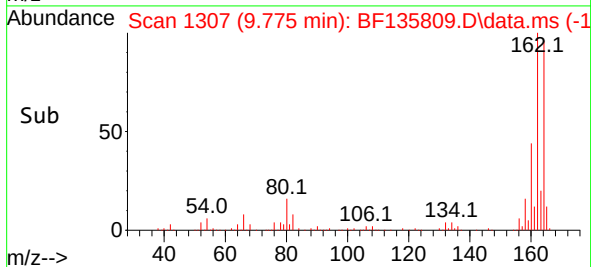
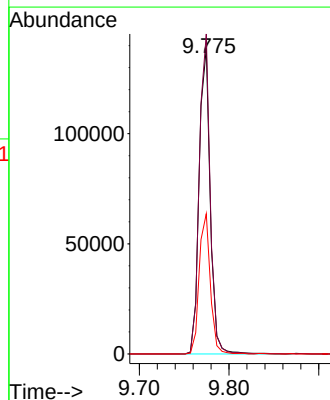
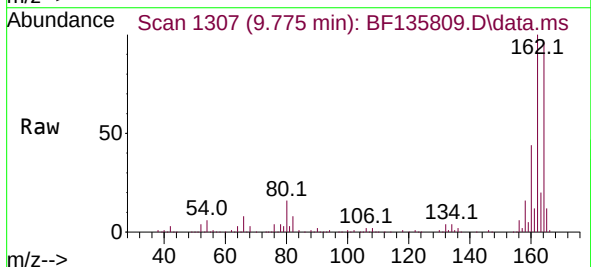
Instrument :
BNA_F
ClientSampleId :
RW4

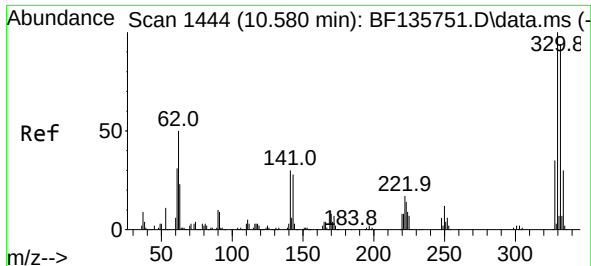
Tgt Ion: 82 Resp: 499060
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135809.D
Acq: 17 Oct 2023 13:35

Tgt Ion:164 Resp: 119358
Ion Ratio Lower Upper
164 100
162 104.7 80.8 121.2
160 45.9 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 167.995 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135809.D

Acq: 17 Oct 2023 13:35

Instrument :

BNA_F

ClientSampleId :

RW4

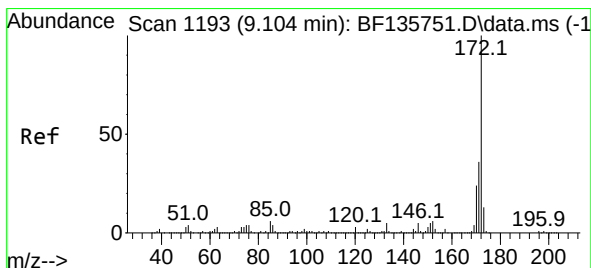
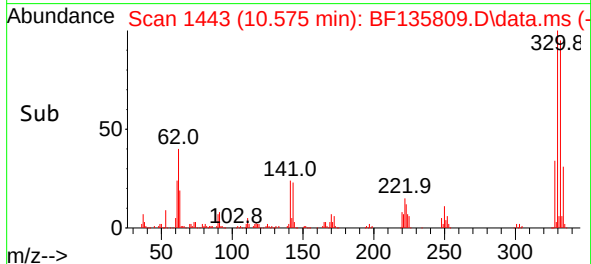
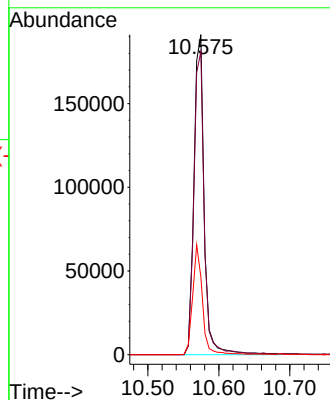
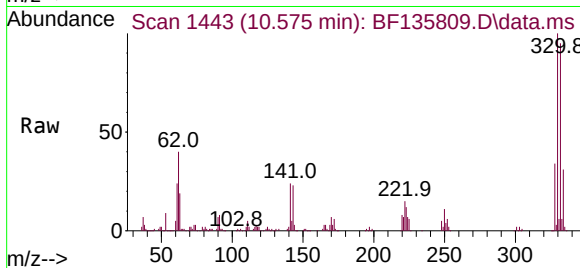
Tgt Ion:330 Resp: 192411

Ion Ratio Lower Upper

330 100

332 95.2 75.0 112.4

141 32.6 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 116.949 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135809.D

Acq: 17 Oct 2023 13:35

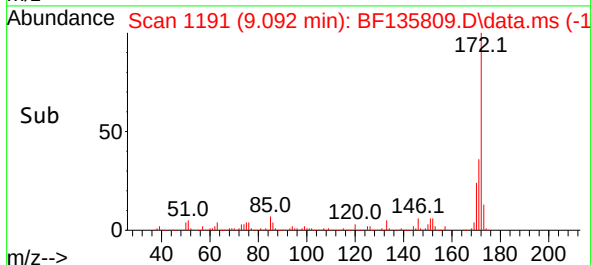
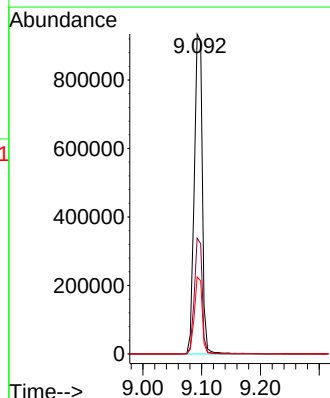
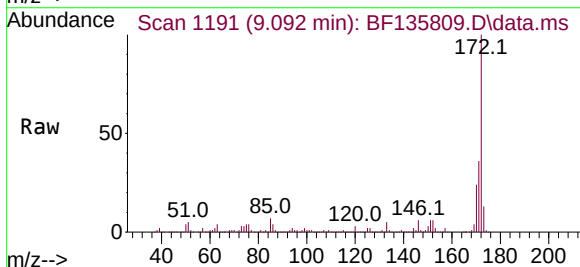
Tgt Ion:172 Resp: 892788

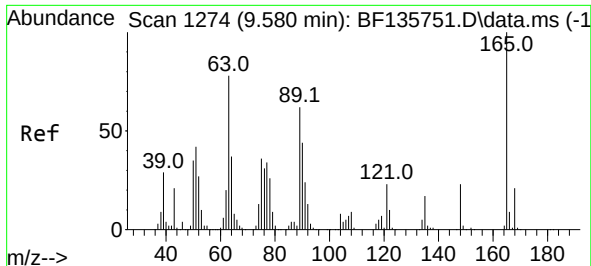
Ion Ratio Lower Upper

172 100

171 36.1 28.4 42.6

170 24.1 18.8 28.2

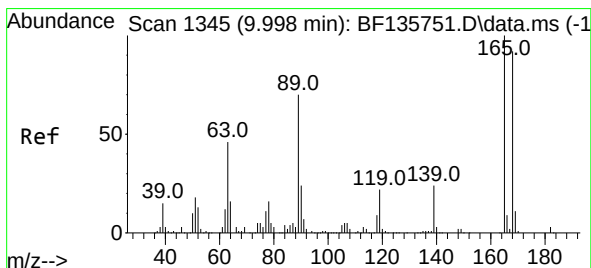
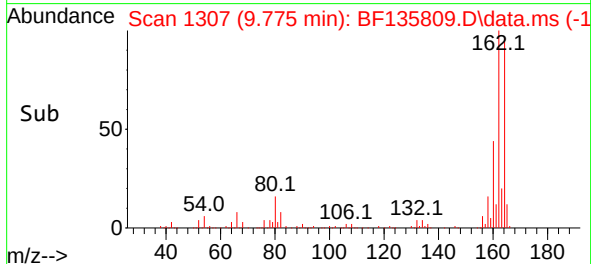
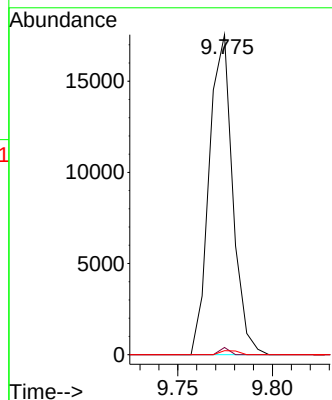
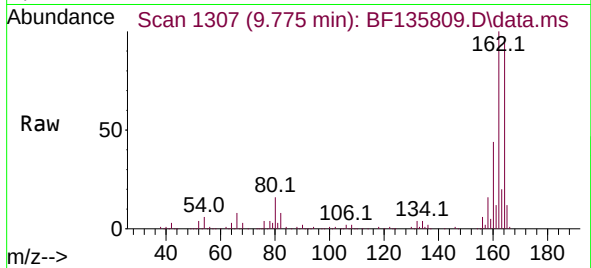




#51
2,6-Dinitrotoluene
Concen: 8.704 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135809.D
Acq: 17 Oct 2023 13:35

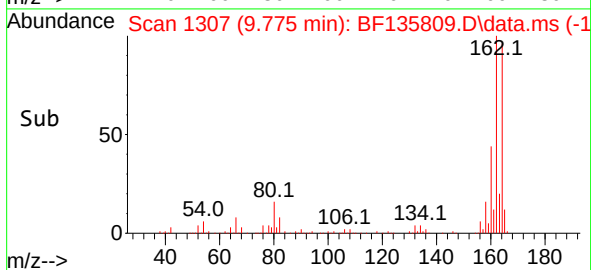
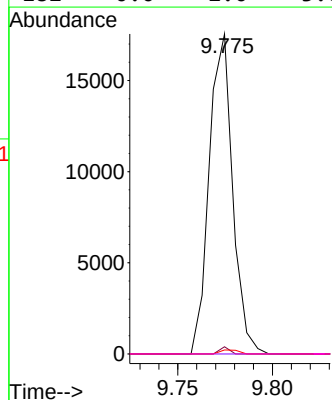
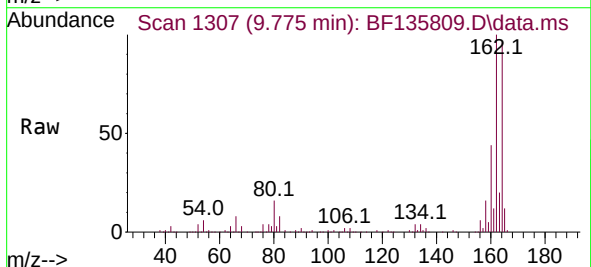
Instrument :
BNA_F
ClientSampleId :
RW4

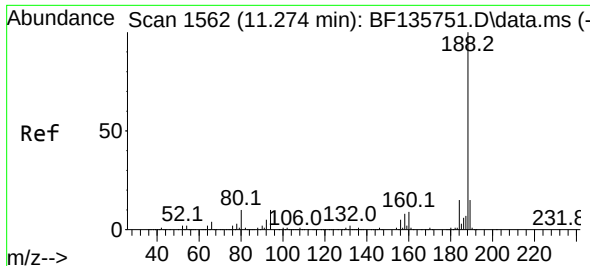
Tgt Ion:165 Resp: 15082
Ion Ratio Lower Upper
165 100
63 2.3 62.2 93.4#
89 1.2 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 6.842 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.229 min
Lab File: BF135809.D
Acq: 17 Oct 2023 13:35

Tgt Ion:165 Resp: 15082
Ion Ratio Lower Upper
165 100
63 2.3 39.0 58.4#
89 1.2 55.9 83.9#
182 0.0 2.0 3.0#

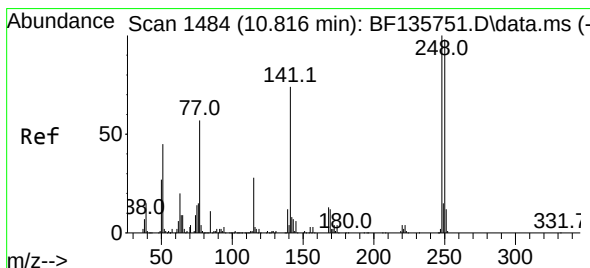
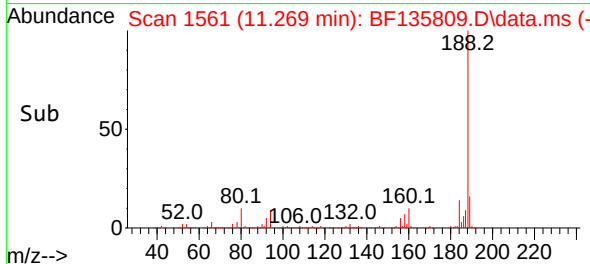
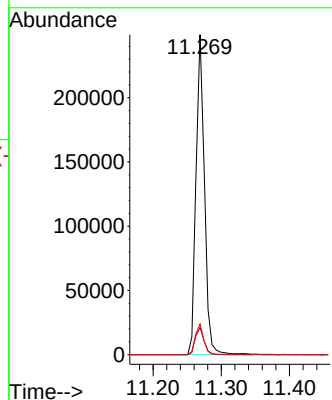
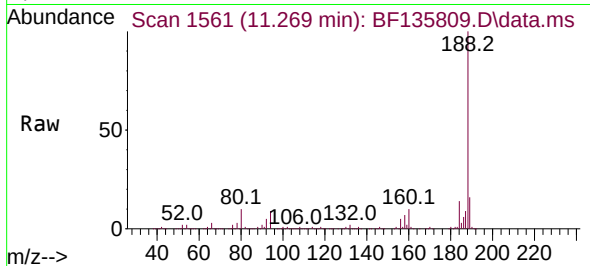




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135809.D
Acq: 17 Oct 2023 13:35

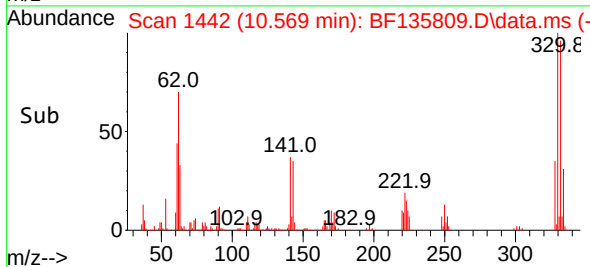
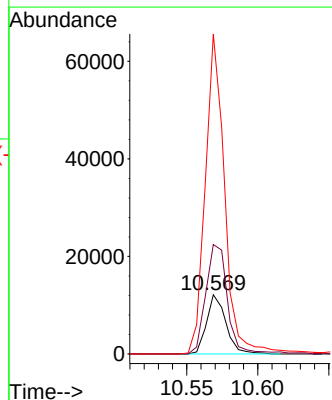
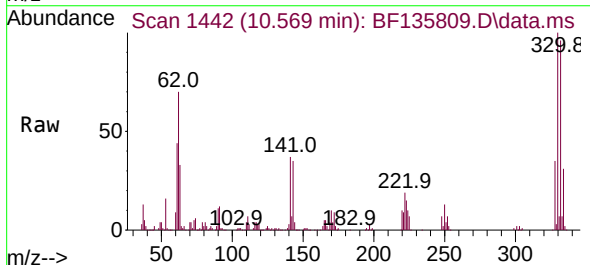
Instrument :
BNA_F
ClientSampleId :
RW4

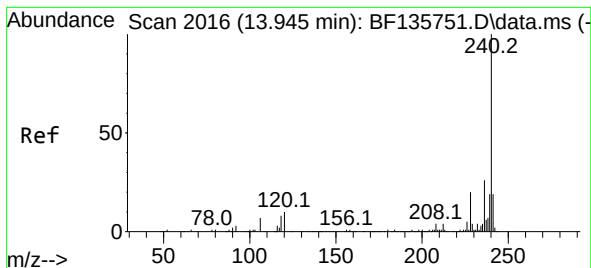
Tgt Ion:188 Resp: 213368
Ion Ratio Lower Upper
188 100
94 8.5 8.0 12.0
80 9.6 8.3 12.5



#67
4-Bromophenyl-phenylether
Concen: 5.369 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.253 min
Lab File: BF135809.D
Acq: 17 Oct 2023 13:35

Tgt Ion:248 Resp: 11500
Ion Ratio Lower Upper
248 100
250 184.6 78.0 117.0#
141 540.0 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2016

Delta R.T. -0.018 min

Lab File: BF135809.D

Acq: 17 Oct 2023 13:35

Instrument :

BNA_F

ClientSampleId :

RW4

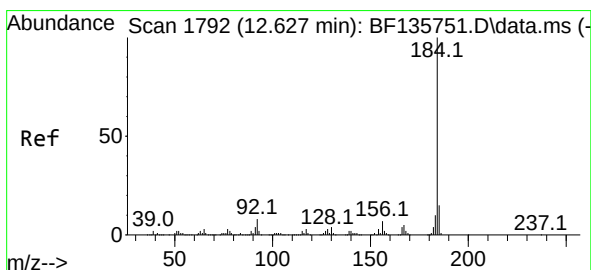
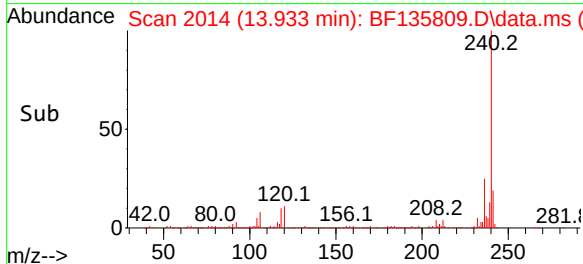
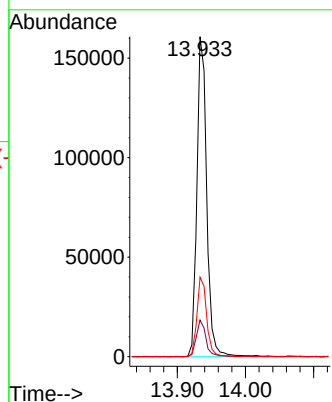
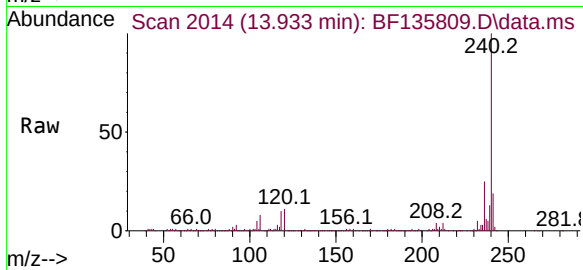
Tgt Ion:240 Resp: 159621

Ion Ratio Lower Upper

240 100

120 11.4 8.2 12.2

236 24.8 21.2 31.8



#77

Benzidine

Concen: 3.186 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.235 min

Lab File: BF135809.D

Acq: 17 Oct 2023 13:35

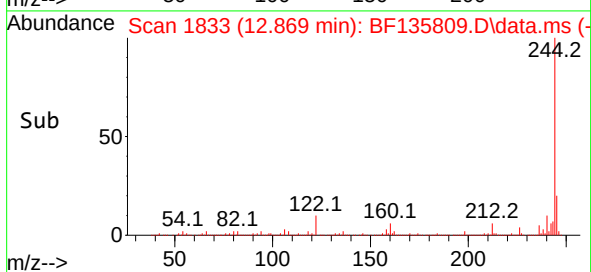
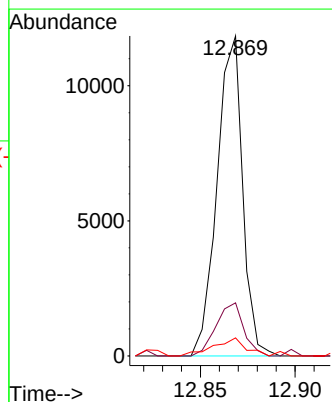
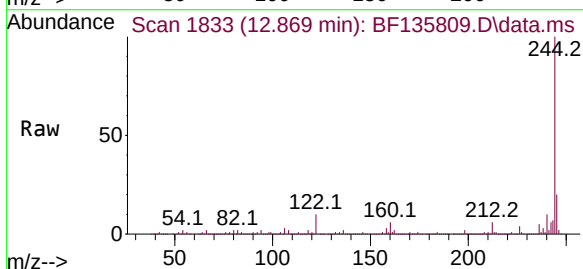
Tgt Ion:184 Resp: 11096

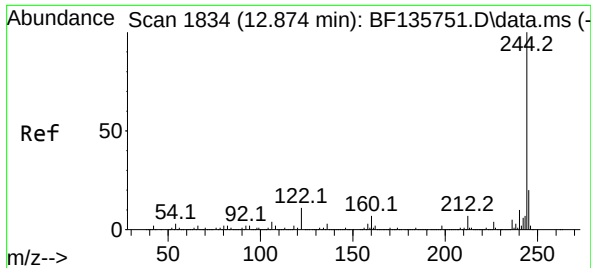
Ion Ratio Lower Upper

184 100

185 16.6 12.0 18.0

183 5.6 8.2 12.2#

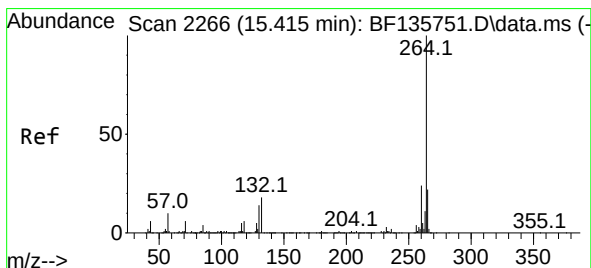
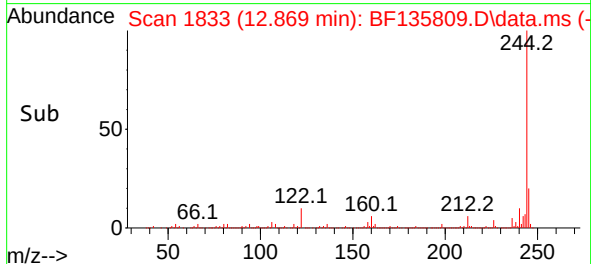
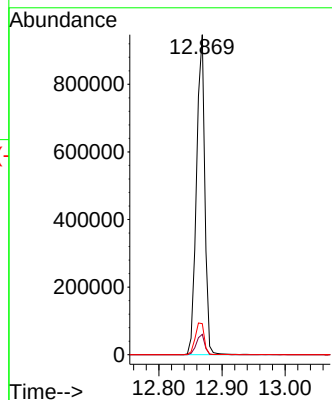
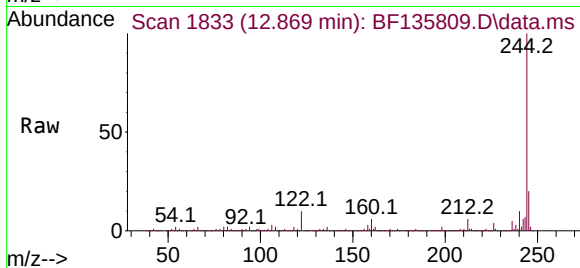




#79
 Terphenyl-d14
 Concen: 99.457 ng
 RT: 12.869 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135809.D
 Acq: 17 Oct 2023 13:35

Instrument :
 BNA_F
 ClientSampleId :
 RW4

Tgt Ion:244 Resp: 857249
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 9.7 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2265
 Delta R.T. -0.012 min
 Lab File: BF135809.D
 Acq: 17 Oct 2023 13:35

Tgt Ion:264 Resp: 148287
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.6 17.4 26.2

