

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092723\
 Data File : BF135477.D
 Acq On : 27 Sep 2023 17:33
 Operator : CG\JU
 Sample : 04601-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Sep 28 01:50:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 26 01:36:36 2023
 Response via : Initial Calibration

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

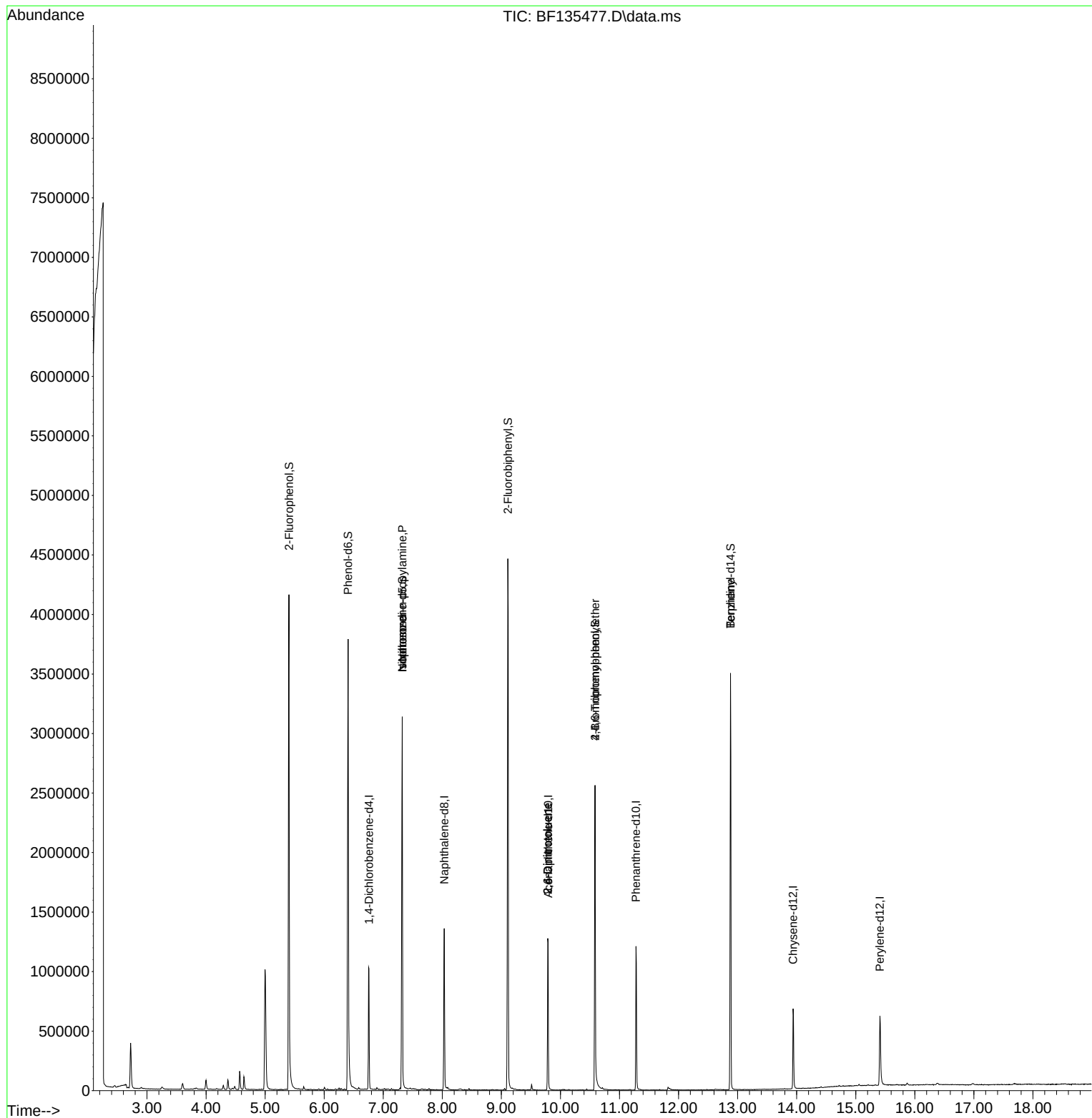
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	159586	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	601331	20.000	ng	0.00
39) Acenaphthene-d10	9.792	164	281920	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	470325	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	246901	20.000	ng	# 0.00
86) Perylene-d12	15.410	264	307282	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1215324	123.862	ng	0.02
7) Phenol-d6	6.404	99	1421856	113.963	ng	0.00
23) Nitrobenzene-d5	7.322	82	1030968	93.147	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	314009	112.082	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	1665608	89.137	ng	0.00
79) Terphenyl-d14	12.880	244	1291333	81.078	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.322	70	136268	17.633	ng	# 79
25) Isophorone	7.322	82	1030954	50.725	ng	# 65
51) 2,6-Dinitrotoluene	9.786	165	36074	8.639	ng	# 17
57) 2,4-Dinitrotoluene	9.786	165	36074	6.901	ng	# 18
67) 4-Bromophenyl-phenylether	10.586	248	20357	4.352	ng	# 1
77) Benzidine	12.880	184	16307	3.224	ng	# 96

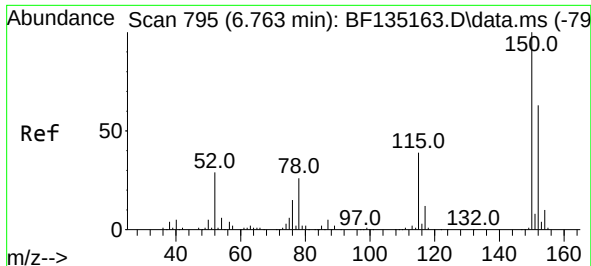
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 26 01:36:36 2023
Response via : Initial Calibration

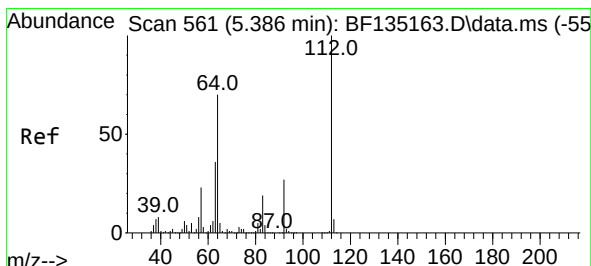
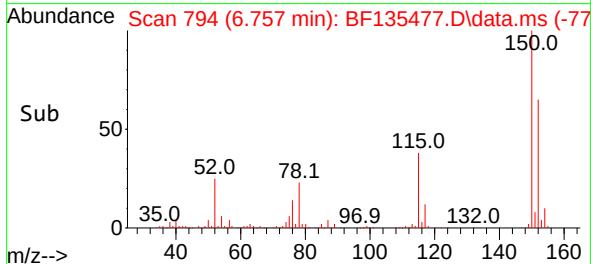
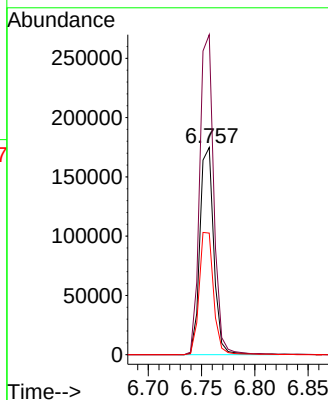
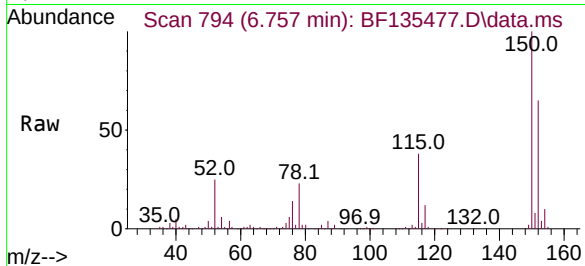




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.757 min Scan# 795
 Delta R.T. 0.006 min
 Lab File: BF135477.D
 Acq: 27 Sep 2023 17:33

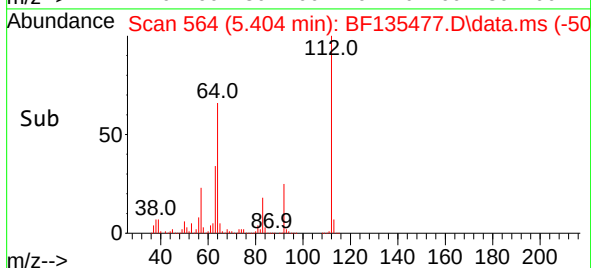
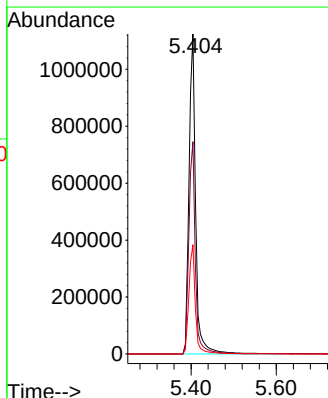
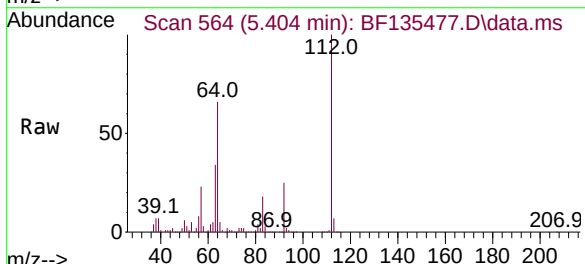
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

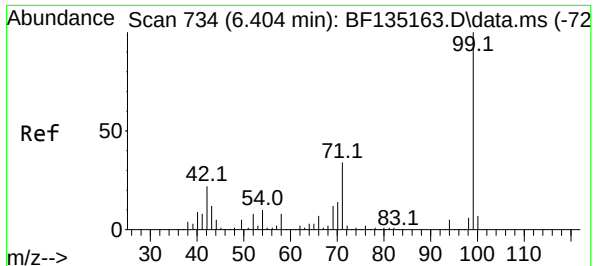
Tgt Ion:152 Resp: 159586
 Ion Ratio Lower Upper
 152 100
 150 154.4 127.8 191.6
 115 58.7 49.8 74.8



#5
 2-Fluorophenol
 Concen: 123.862 ng
 RT: 5.404 min Scan# 564
 Delta R.T. 0.023 min
 Lab File: BF135477.D
 Acq: 27 Sep 2023 17:33

Tgt Ion:112 Resp: 1215324
 Ion Ratio Lower Upper
 112 100
 64 66.4 55.9 83.9
 63 34.2 29.0 43.6

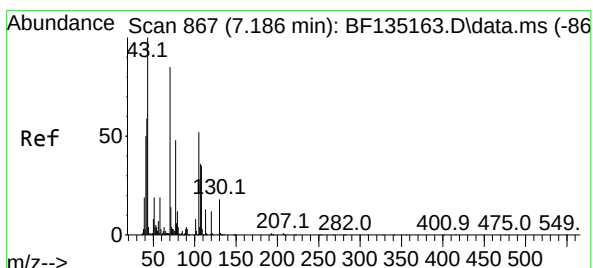
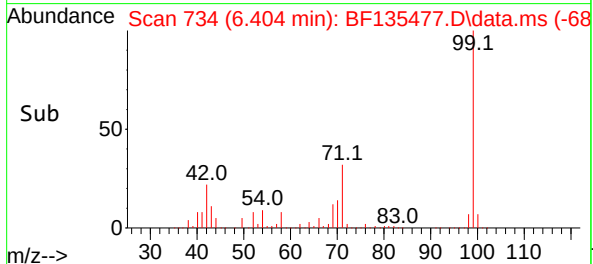
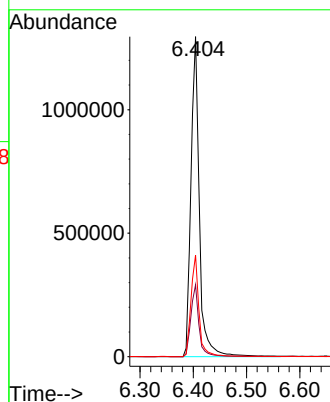
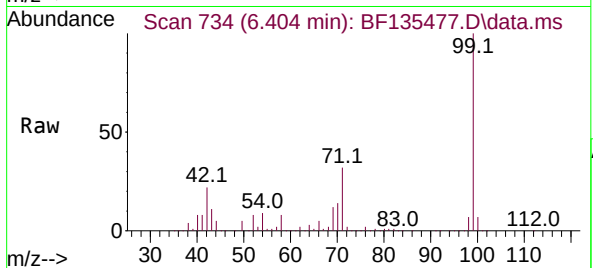




#7
Phenol-d6
Concen: 113.963 ng
RT: 6.404 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135477.D
Acq: 27 Sep 2023 17:33

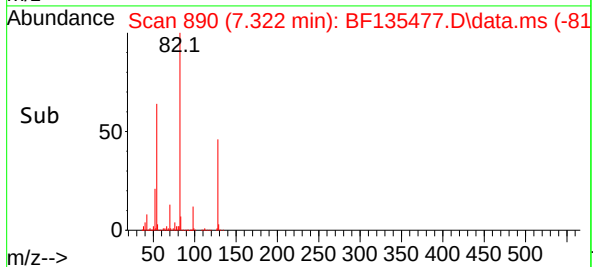
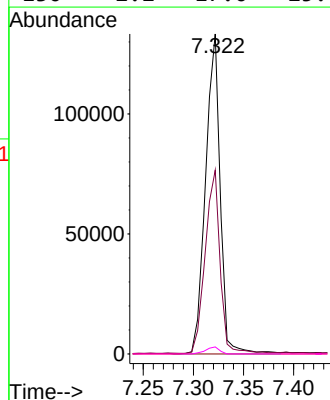
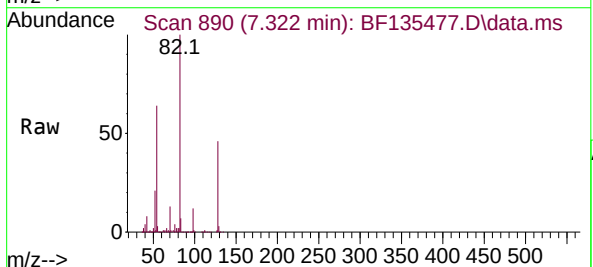
Instrument :
BNA_F
ClientSampleId :
TP-1

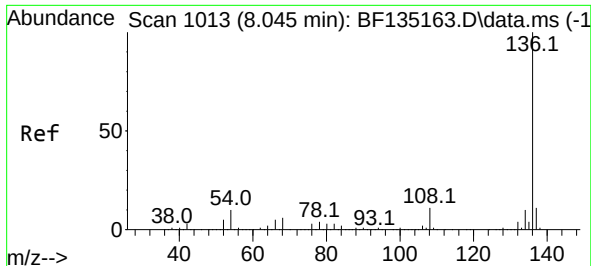
Tgt Ion: 99 Resp: 1421856
Ion Ratio Lower Upper
99 100
42 22.5 17.9 26.9
71 31.7 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 17.633 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.147 min
Lab File: BF135477.D
Acq: 27 Sep 2023 17:33

Tgt Ion: 70 Resp: 136268
Ion Ratio Lower Upper
70 100
42 57.5 55.4 83.0
101 0.0 7.7 11.5#
130 2.2 17.0 25.6#

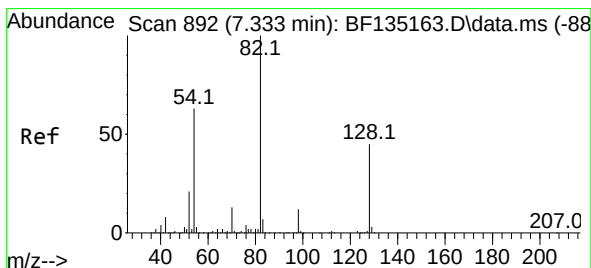
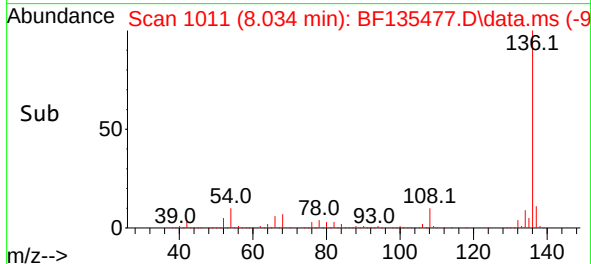
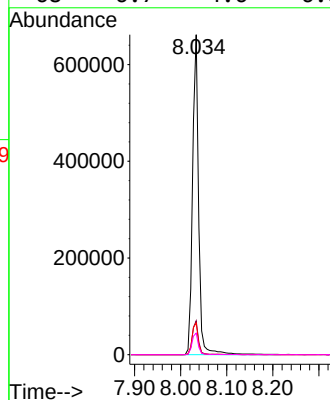
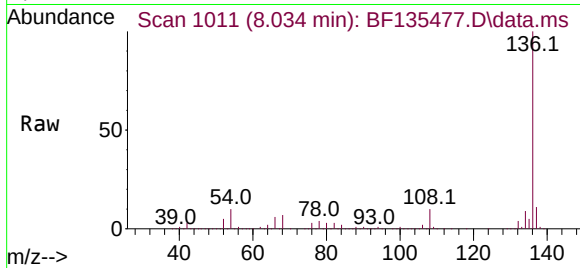




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF135477.D
Acq: 27 Sep 2023 17:33

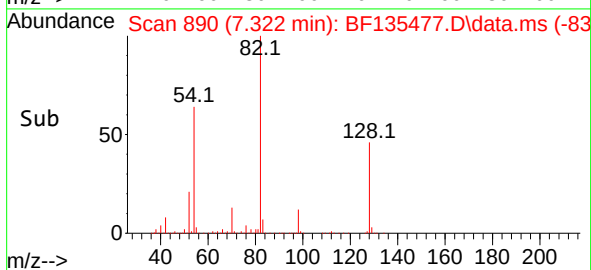
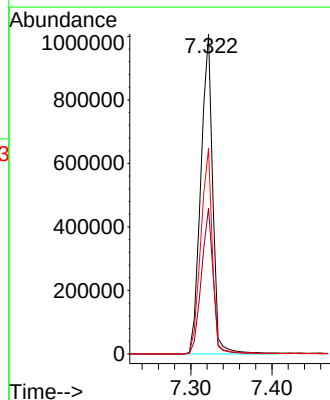
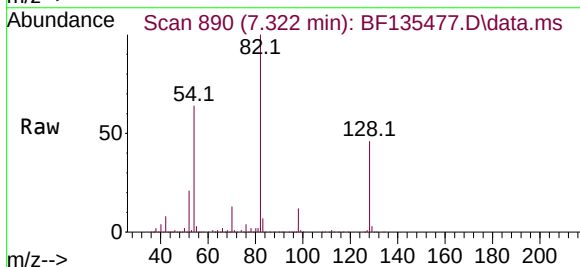
Instrument :
BNA_F
ClientSampleId :
TP-1

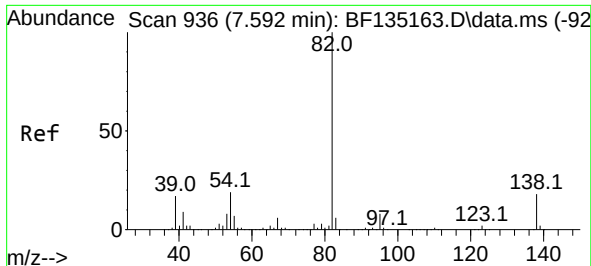
Tgt Ion:136	Resp: 601331
Ion Ratio	Lower Upper
136	100
137	10.6 8.8 13.2
54	9.9 7.7 11.5
68	6.7 4.6 6.8



#23
Nitrobenzene-d5
Concen: 93.147 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.000 min
Lab File: BF135477.D
Acq: 27 Sep 2023 17:33

Tgt Ion: 82	Resp: 1030968
Ion Ratio	Lower Upper
82	100
128	45.6 35.8 53.6
54	64.2 50.6 76.0





#25

Isophorone

Concen: 50.725 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.259 min

Lab File: BF135477.D

Acq: 27 Sep 2023 17:33

Instrument :

BNA_F

ClientSampleId :

TP-1

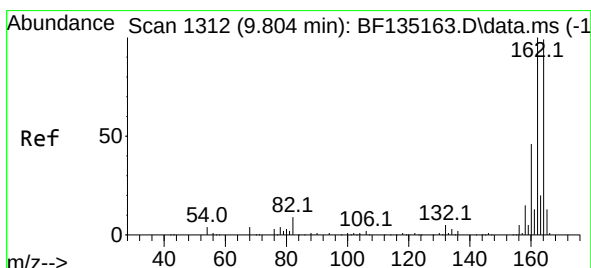
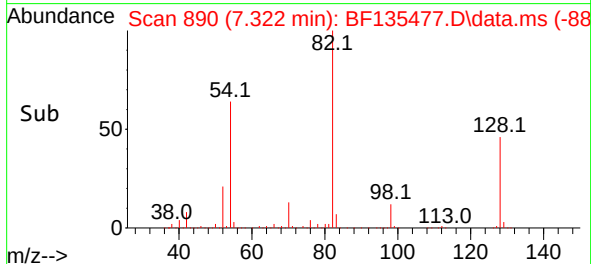
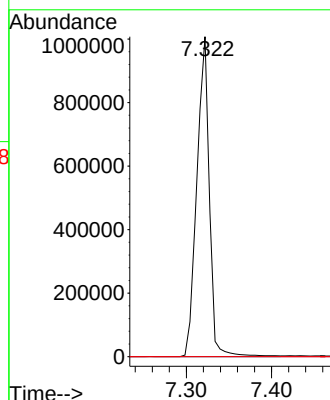
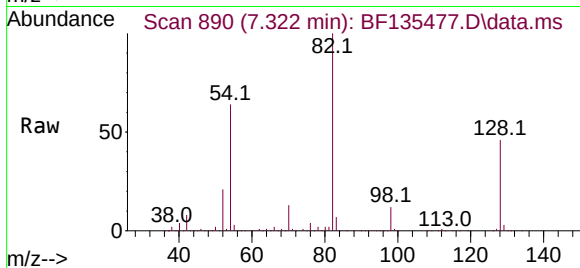
Tgt Ion: 82 Resp: 1030954

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.5 21.7#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 1310

Delta R.T. -0.000 min

Lab File: BF135477.D

Acq: 27 Sep 2023 17:33

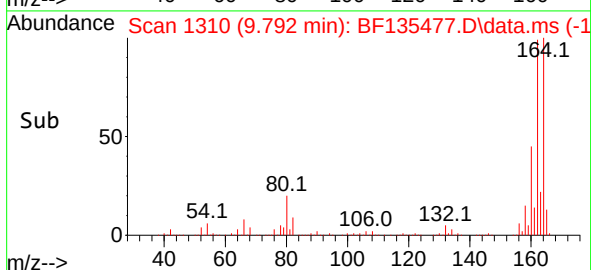
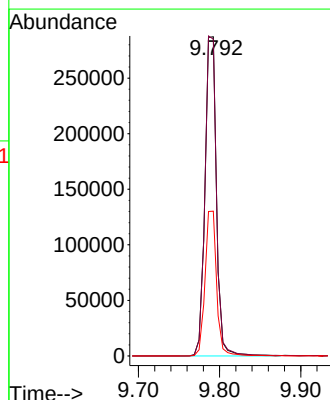
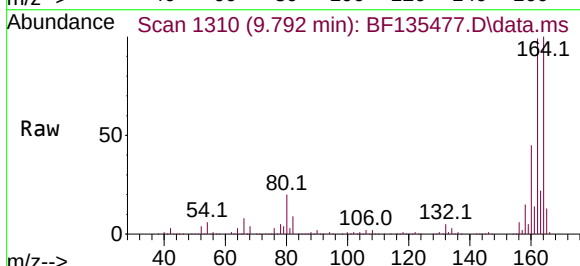
Tgt Ion:164 Resp: 281920

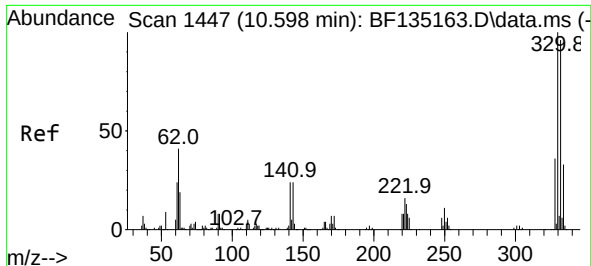
Ion Ratio Lower Upper

164 100

162 99.3 81.0 121.4

160 45.4 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 112.082 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.000 min

Lab File: BF135477.D

Acq: 27 Sep 2023 17:33

Instrument :

BNA_F

ClientSampleId :

TP-1

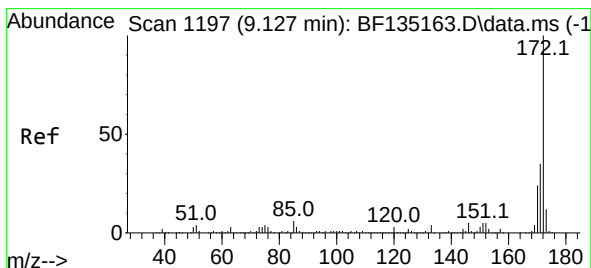
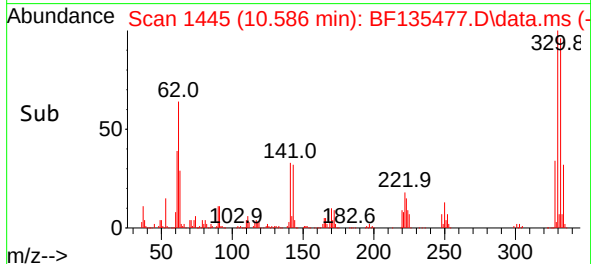
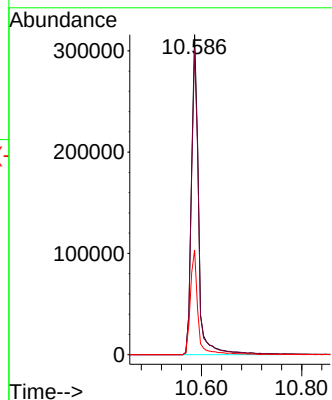
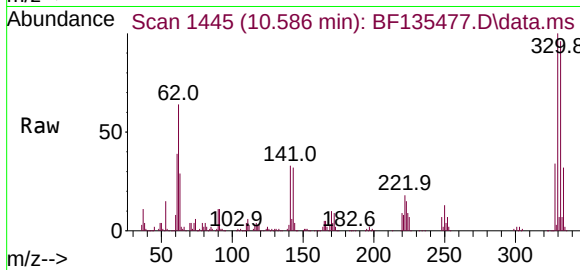
Tgt Ion:330 Resp: 314009

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

141 34.6 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 89.137 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.006 min

Lab File: BF135477.D

Acq: 27 Sep 2023 17:33

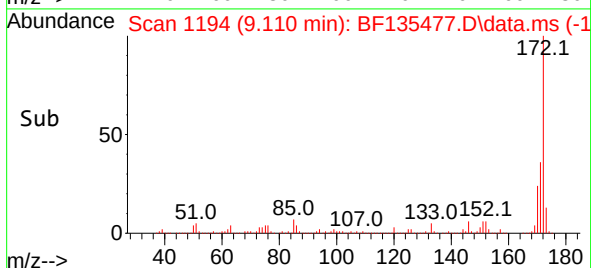
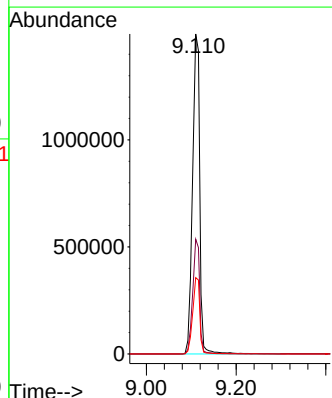
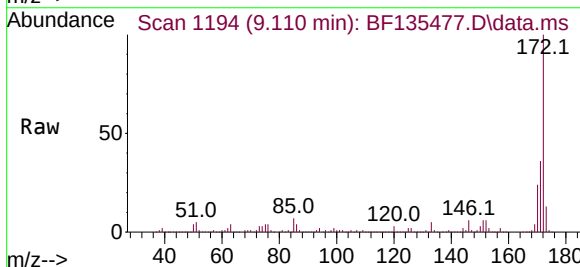
Tgt Ion:172 Resp: 1665608

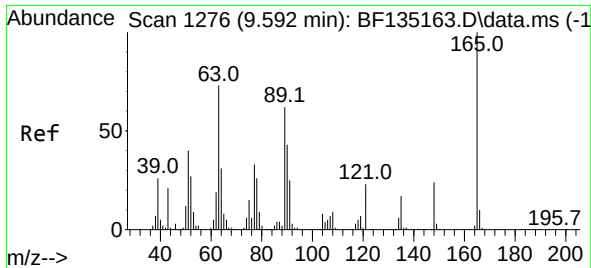
Ion Ratio Lower Upper

172 100

171 35.9 28.4 42.6

170 23.9 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.639 ng

RT: 9.786 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF135477.D

Acq: 27 Sep 2023 17:33

Instrument :

BNA_F

ClientSampleId :

TP-1

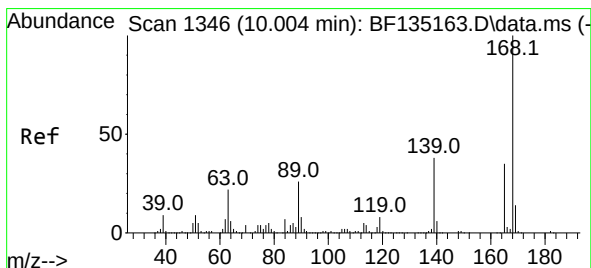
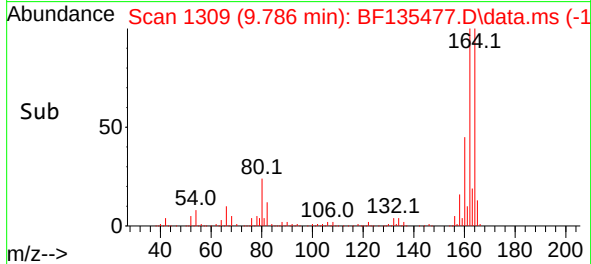
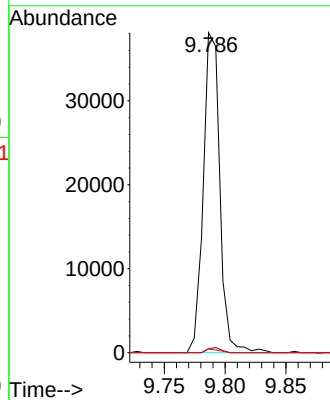
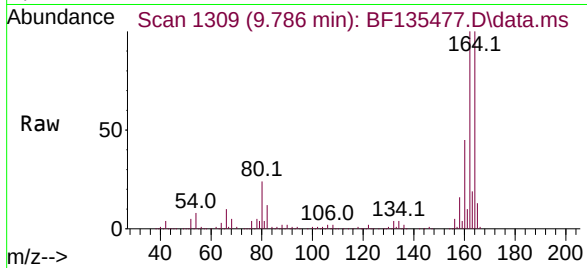
Tgt Ion:165 Resp: 36074

Ion Ratio Lower Upper

165 100

63 1.3 59.4 89.2#

89 1.1 49.8 74.8#



#57

2,4-Dinitrotoluene

Concen: 6.901 ng

RT: 9.786 min Scan# 1309

Delta R.T. -0.212 min

Lab File: BF135477.D

Acq: 27 Sep 2023 17:33

Tgt Ion:165 Resp: 36074

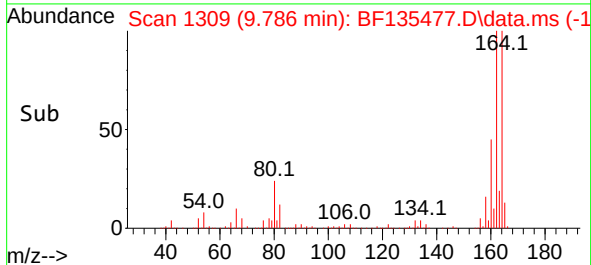
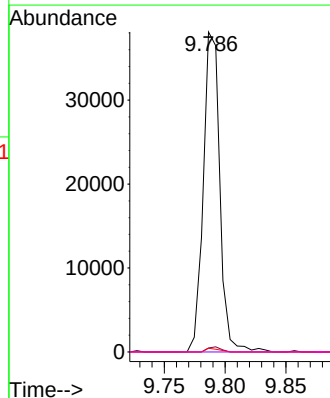
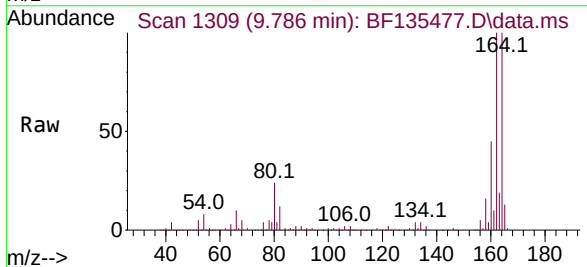
Ion Ratio Lower Upper

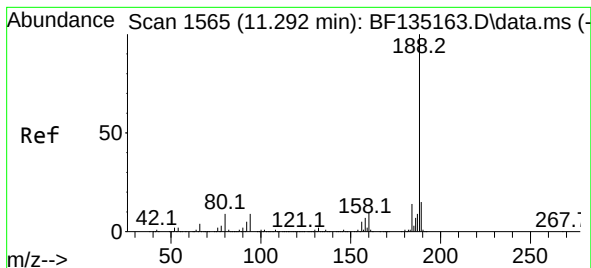
165 100

63 1.3 50.1 75.1#

89 1.1 59.3 88.9#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.280 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135477.D

Acq: 27 Sep 2023 17:33

Instrument :

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ClientSampleId :

TP-1

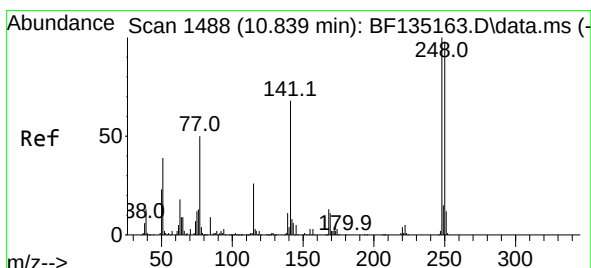
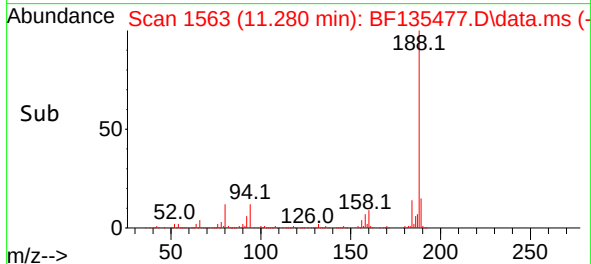
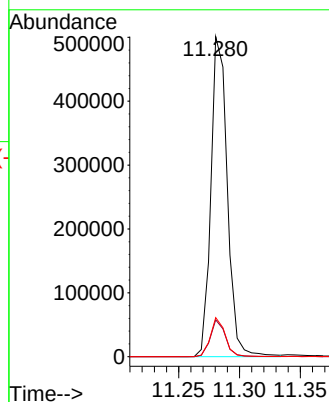
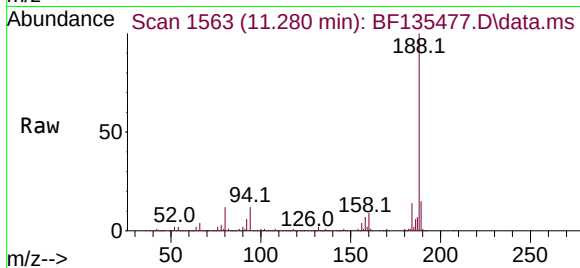
Tgt Ion:188 Resp: 470325

Ion Ratio Lower Upper

188 100

94 11.5 7.0 10.6#

80 12.2 7.5 11.3#



#67

4-Bromophenyl-phenylether

Concen: 4.352 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.241 min

Lab File: BF135477.D

Acq: 27 Sep 2023 17:33

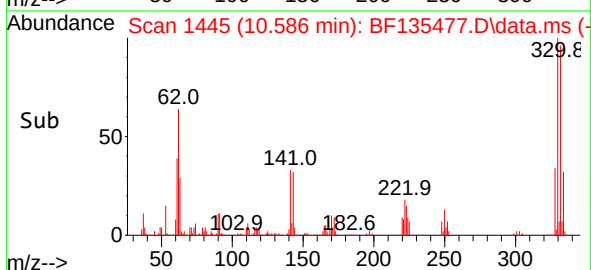
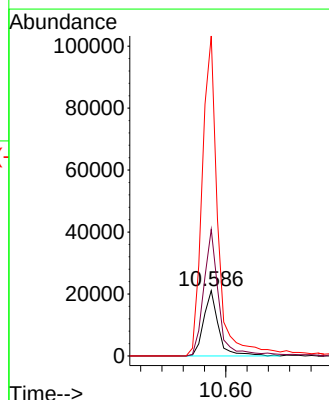
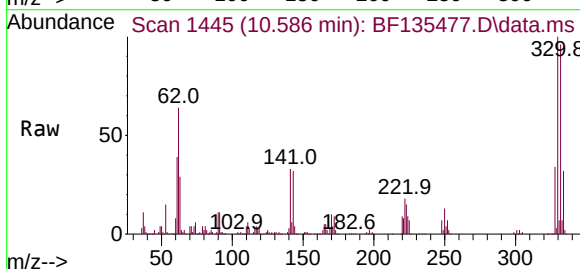
Tgt Ion:248 Resp: 20357

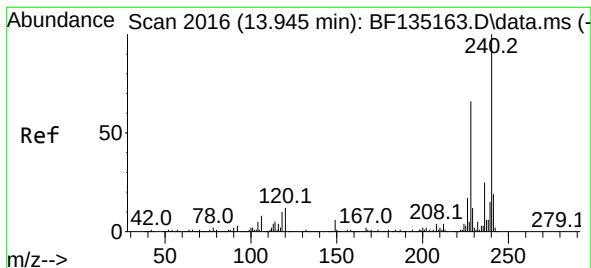
Ion Ratio Lower Upper

248 100

250 193.8 78.6 117.8#

141 490.2 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135477.D

Acq: 27 Sep 2023 17:33

Instrument :

BNA_F

ClientSampleId :

TP-1

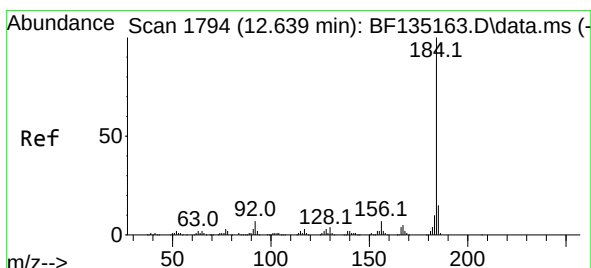
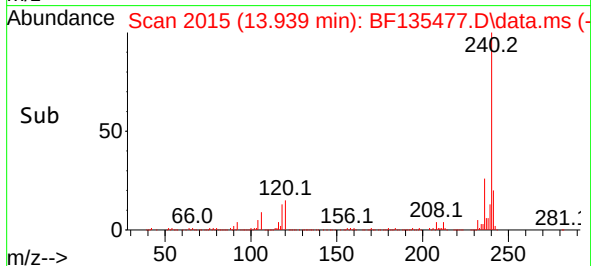
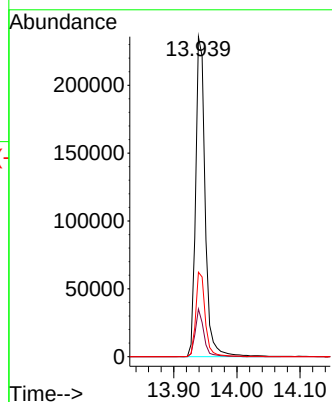
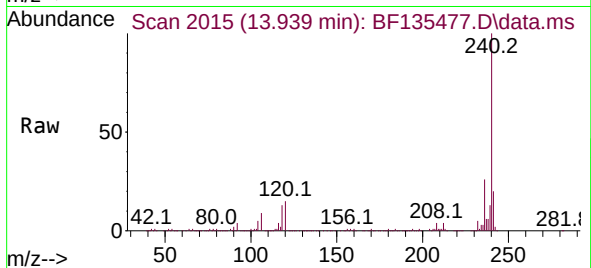
Tgt Ion:240 Resp: 246901

Ion Ratio Lower Upper

240 100

120 14.9 9.4 14.2#

236 26.4 19.8 29.8



#77

Benzidine

Concen: 3.224 ng

RT: 12.880 min Scan# 1835

Delta R.T. 0.247 min

Lab File: BF135477.D

Acq: 27 Sep 2023 17:33

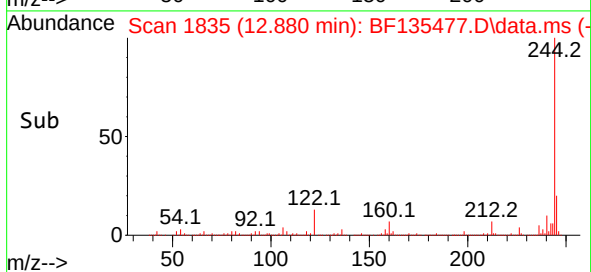
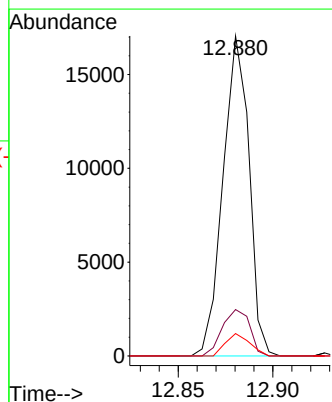
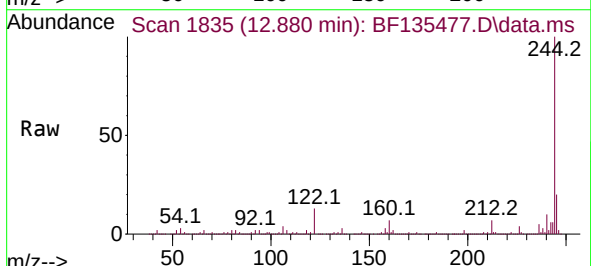
Tgt Ion:184 Resp: 16307

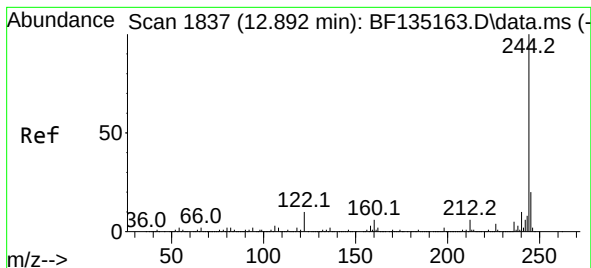
Ion Ratio Lower Upper

184 100

185 14.5 11.7 17.5

183 7.0 8.2 12.4#





#79

Terphenyl-d14

Concen: 81.078 ng

RT: 12.880 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF135477.D

Acq: 27 Sep 2023 17:33

Instrument :

BNA_F

ClientSampleId :

TP-1

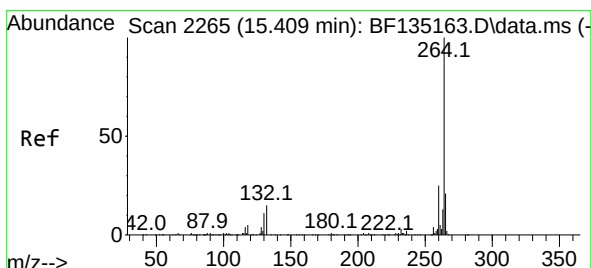
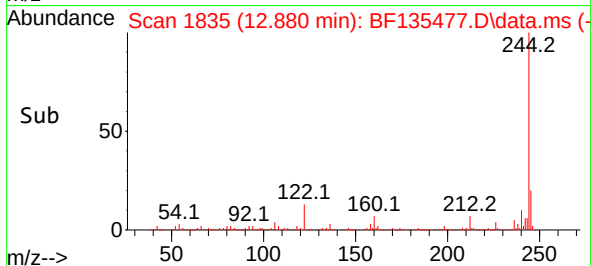
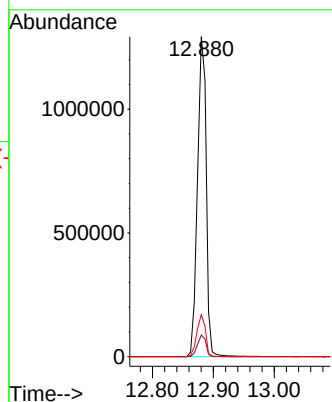
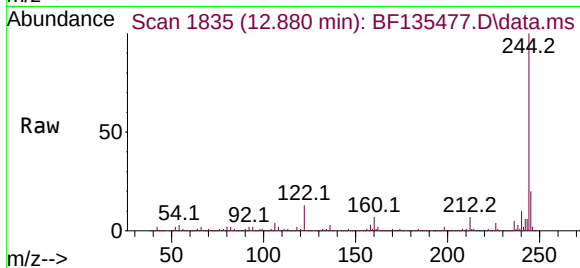
Tgt Ion:244 Resp: 1291333

Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 13.1 7.9 11.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.006 min

Lab File: BF135477.D

Acq: 27 Sep 2023 17:33

Tgt Ion:264 Resp: 307282

Ion Ratio Lower Upper

264 100

260 23.8 19.8 29.6

265 21.1 17.0 25.4

