

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021425\
 Data File : BF141645.D
 Acq On : 14 Feb 2025 17:49
 Operator : RC/JU
 Sample : Q1365-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 357

Quant Time: Feb 14 22:05:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

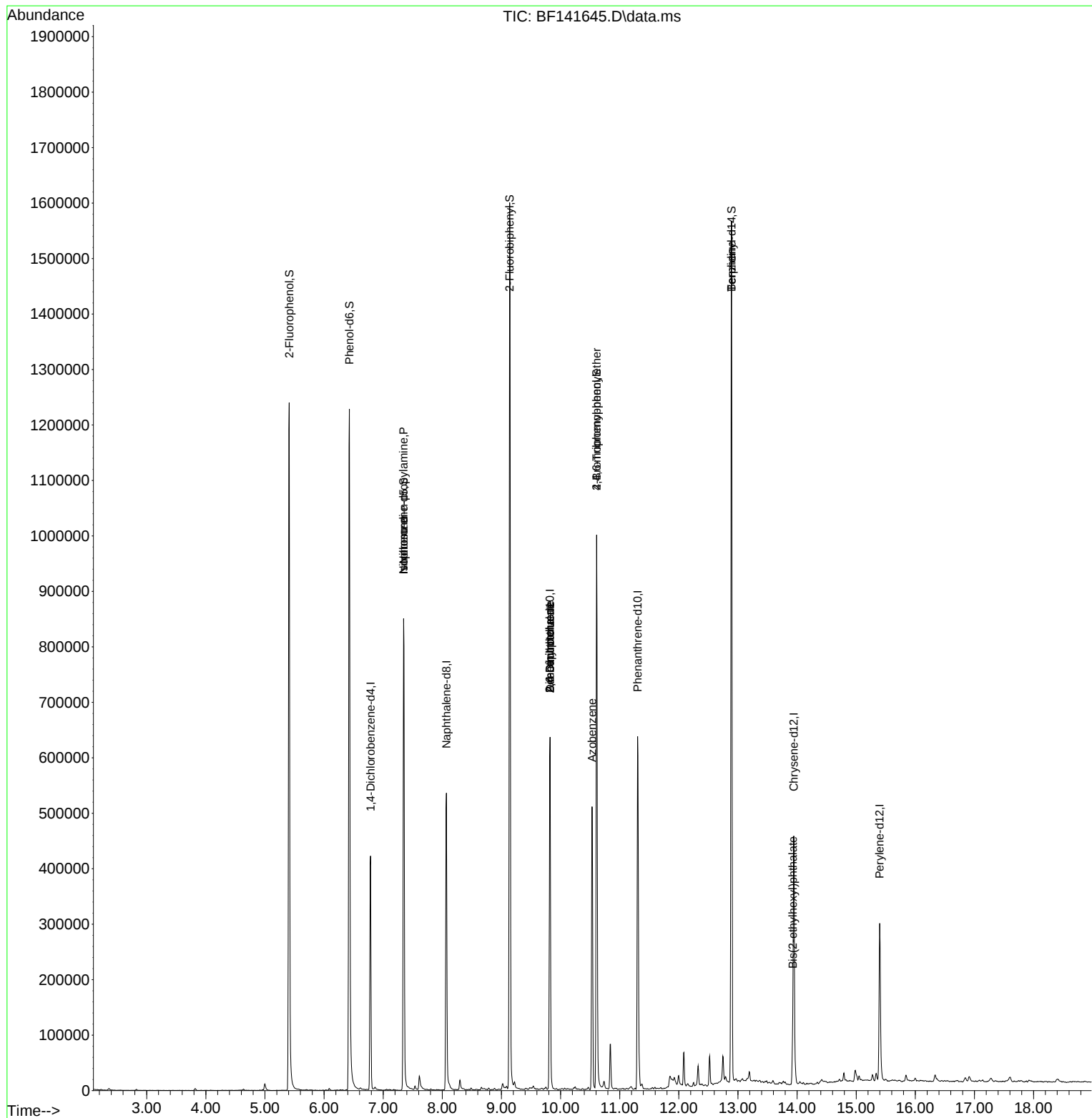
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	89930	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	368212	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	200783	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	349366	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	220163	20.000	ng	-0.02
86) Perylene-d12	15.398	264	173491	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	489532	85.340	ng	0.00
7) Phenol-d6	6.428	99	612688	84.507	ng	-0.01
23) Nitrobenzene-d5	7.345	82	396717	56.196	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	165335	81.973	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	728421	55.893	ng	-0.01
79) Terphenyl-d14	12.892	244	753165	57.751	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	53384	12.310	ng	# 74
25) Isophorone	7.345	82	384808	34.186	ng	# 66
50) Dimethylphthalate	9.822	163	29480	2.163	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	25710	8.628	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	25711	6.482	ng	# 19
63) Azobenzene	10.533	77	126630	9.498	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	11365	2.911	ng	# 1
77) Benzidine	12.892	184	10194	2.099	ng	# 95
84) Bis(2-ethylhexyl)phtha...	13.927	149	27648	3.776	ng	98

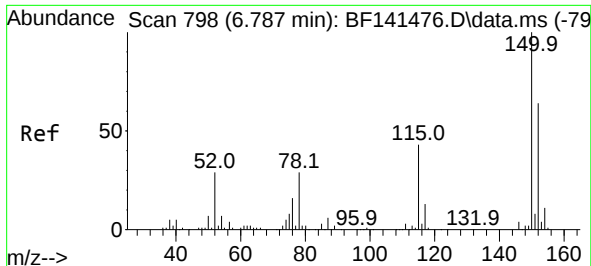
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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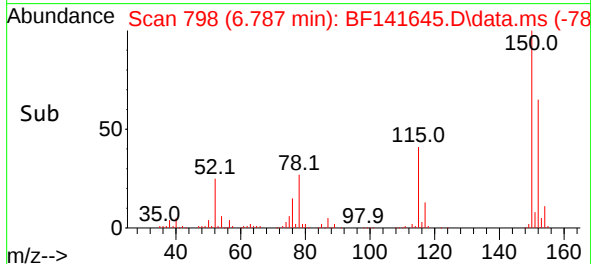
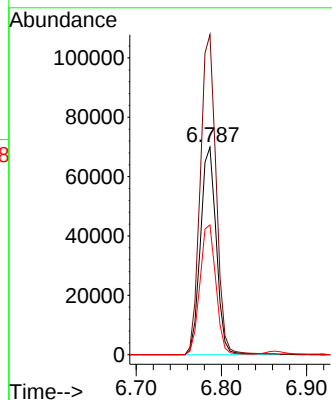
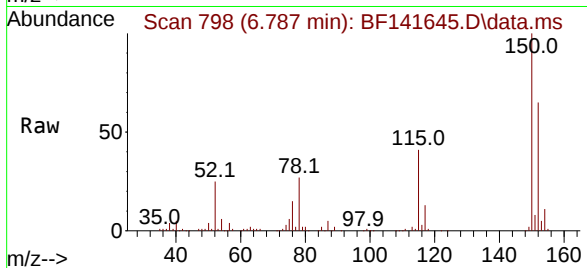




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141645.D
Acq: 14 Feb 2025 17:49

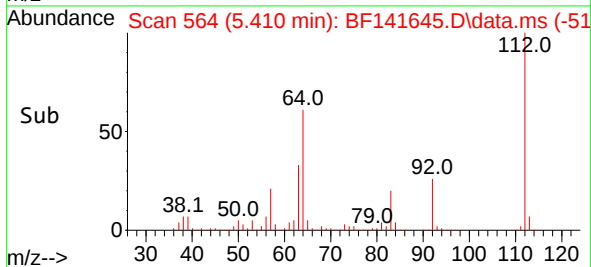
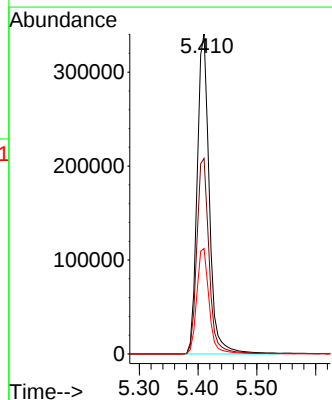
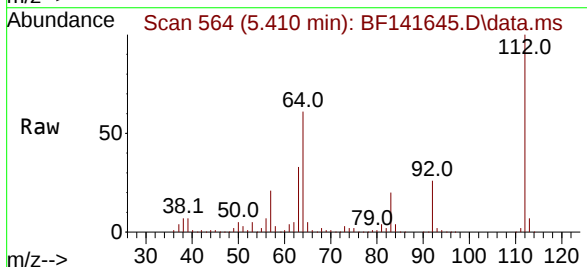
Instrument :
BNA_F
ClientSampleId :
357

Tgt Ion:152 Resp: 89930
Ion Ratio Lower Upper
152 100
150 154.3 125.0 187.4
115 62.5 53.6 80.4



#5
2-Fluorophenol
Concen: 85.340 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141645.D
Acq: 14 Feb 2025 17:49

Tgt Ion:112 Resp: 489532
Ion Ratio Lower Upper
112 100
64 61.1 51.1 76.7
63 33.0 28.4 42.6





#7
Phenol-d6
Concen: 84.507 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141645.D
Acq: 14 Feb 2025 17:49

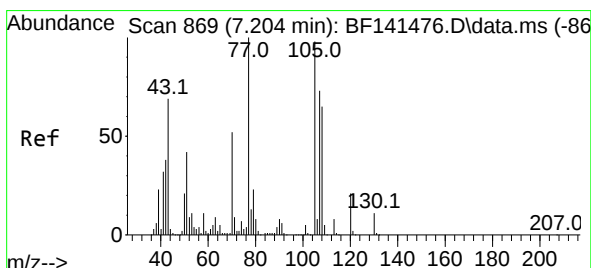
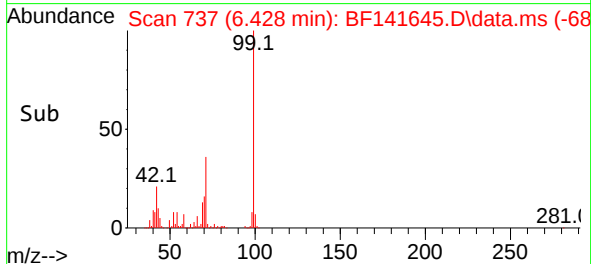
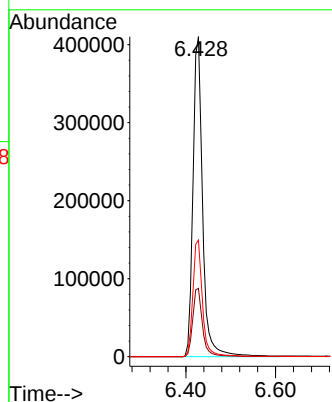
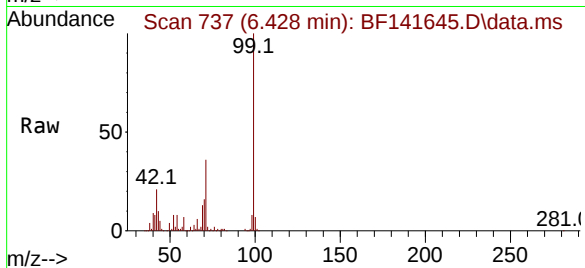
Instrument :

BNA_F

ClientSampleId :

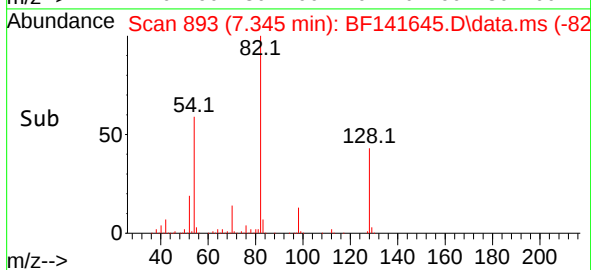
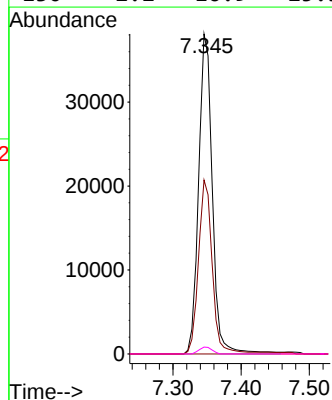
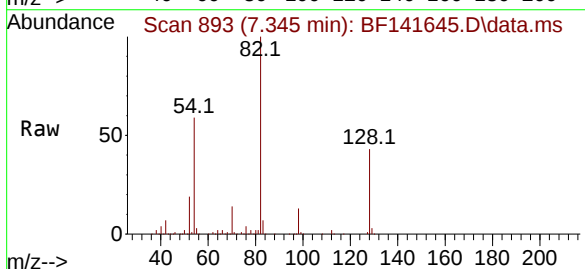
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Tgt Ion: 99 Resp: 612688
Ion Ratio Lower Upper
99 100
42 21.3 19.1 28.7
71 36.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.310 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141645.D
Acq: 14 Feb 2025 17:49

Tgt Ion: 70 Resp: 53384
Ion Ratio Lower Upper
70 100
42 54.3 57.4 86.2#
101 0.0 8.0 12.0#
130 2.2 16.9 25.3#

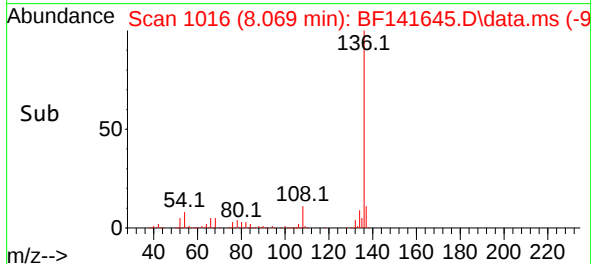
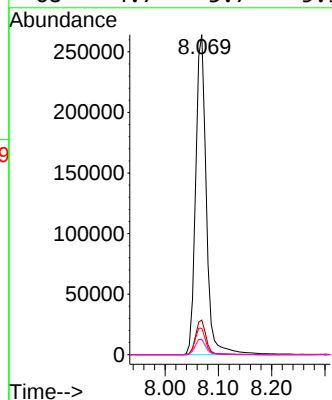
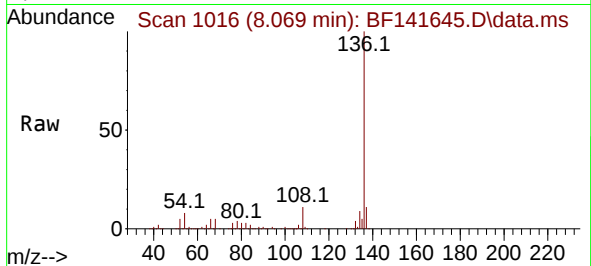




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141645.D
Acq: 14 Feb 2025 17:49

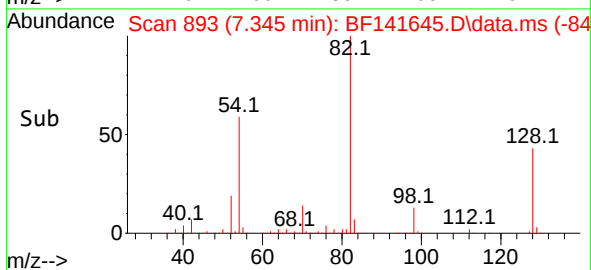
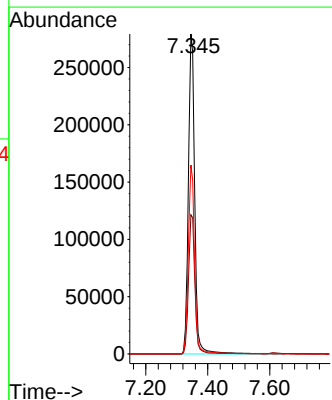
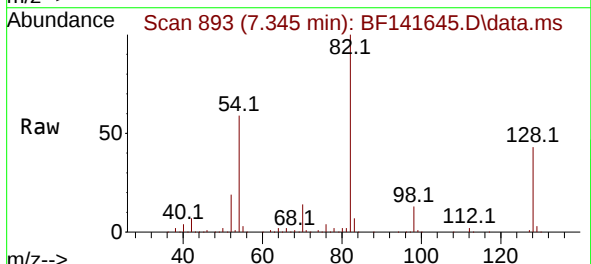
Instrument :
BNA_F
ClientSampleId :
357

Tgt Ion:136 Resp: 368212
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.3 7.2 10.8
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 56.196 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141645.D
Acq: 14 Feb 2025 17:49

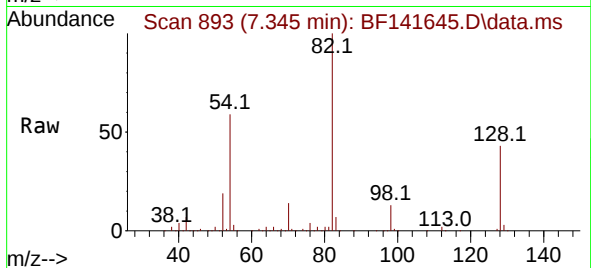
Tgt Ion: 82 Resp: 396717
Ion Ratio Lower Upper
82 100
128 43.5 34.8 52.2
54 59.1 48.2 72.4



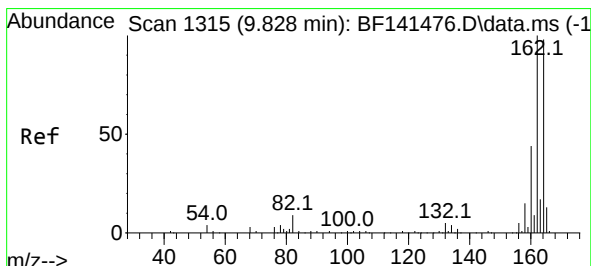
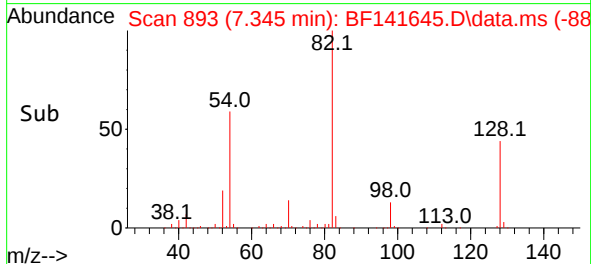
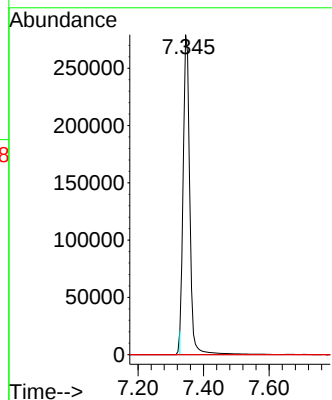


#25
Isophorone
Concen: 34.186 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141645.D
Acq: 14 Feb 2025 17:49

Instrument :
BNA_F
ClientSampleId :
357

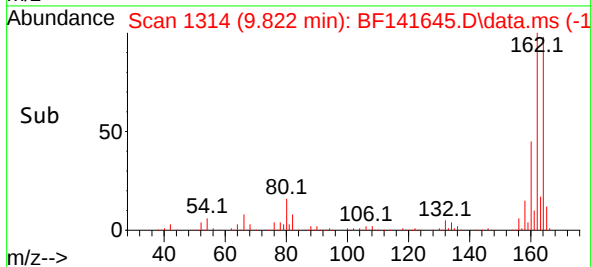
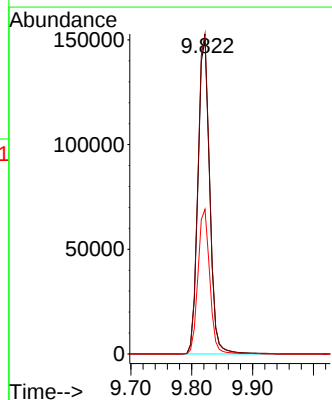
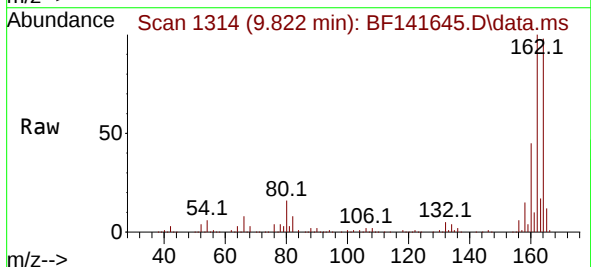


Tgt Ion: 82 Resp: 384808
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141645.D
Acq: 14 Feb 2025 17:49

Tgt Ion: 164 Resp: 200783
Ion Ratio Lower Upper
164 100
162 101.7 81.3 121.9
160 46.0 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 81.973 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.018 min

Lab File: BF141645.D

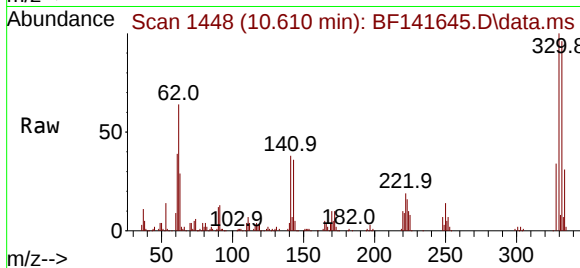
Acq: 14 Feb 2025 17:49

Instrument :

BNA_F

ClientSampleId :

357



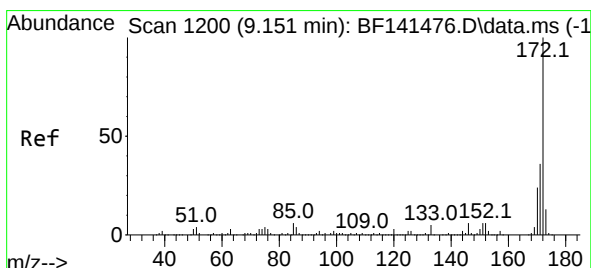
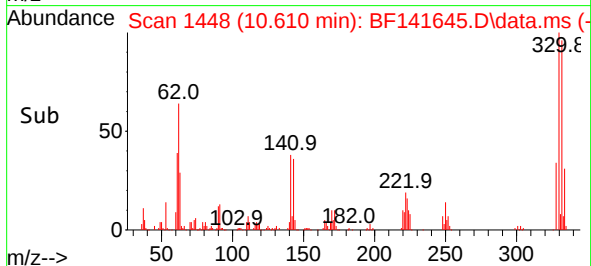
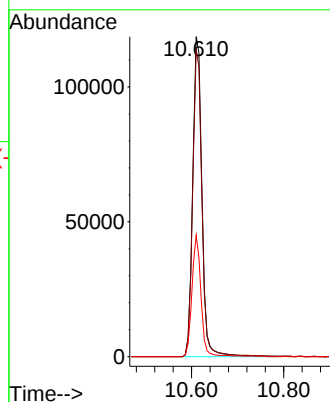
Tgt Ion:330 Resp: 165335

Ion Ratio Lower Upper

330 100

332 95.8 78.5 117.7

141 36.9 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 55.893 ng

RT: 9.139 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF141645.D

Acq: 14 Feb 2025 17:49

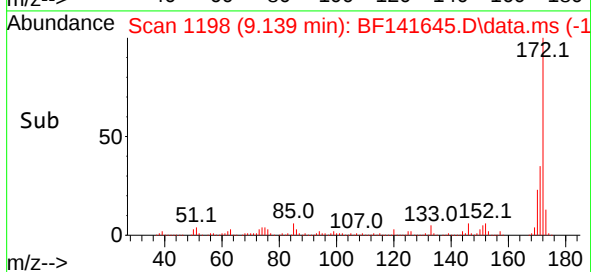
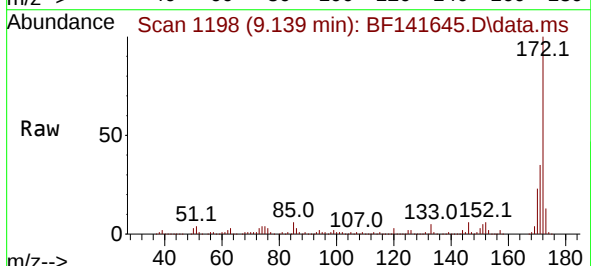
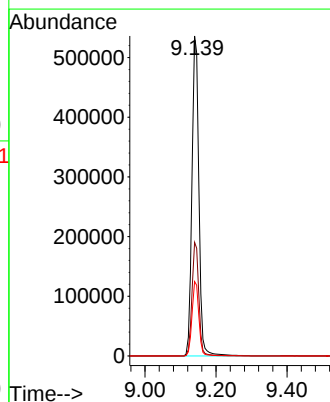
Tgt Ion:172 Resp: 728421

Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 23.3 18.9 28.3

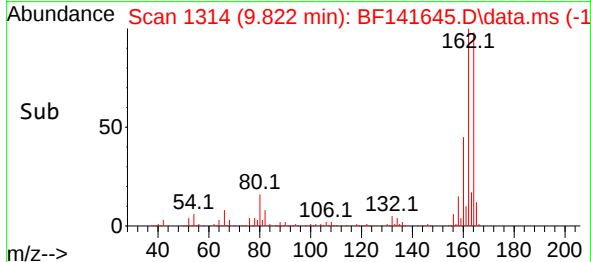
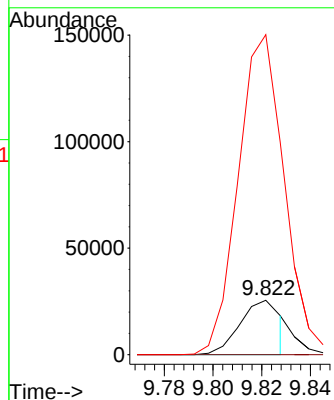
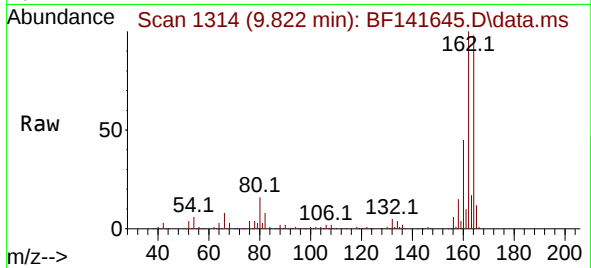




#50
Dimethylphthalate
Concen: 2.163 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141645.D
Acq: 14 Feb 2025 17:49

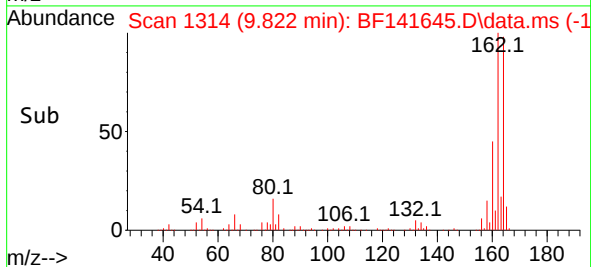
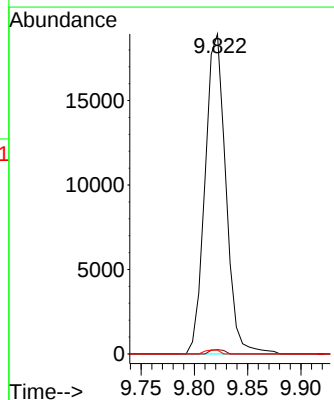
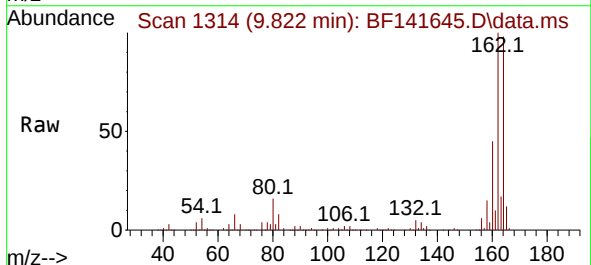
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BNA_F
ClientSampleId :
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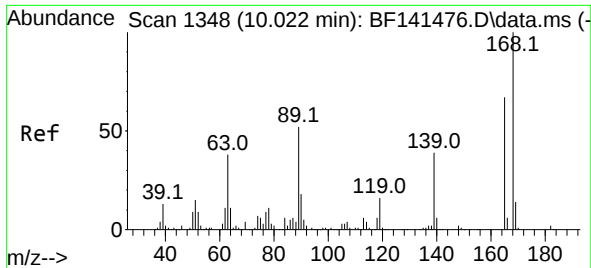
Tgt Ion:163 Resp: 29480
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 589.0 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.628 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141645.D
Acq: 14 Feb 2025 17:49

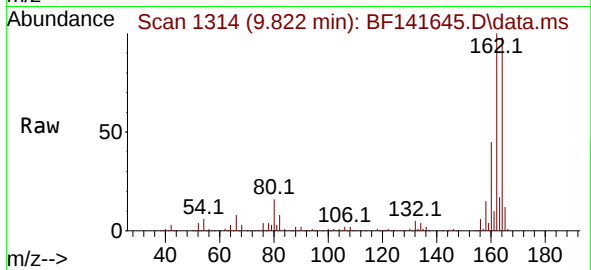
Tgt Ion:165 Resp: 25710
Ion Ratio Lower Upper
165 100
63 1.4 49.4 74.0#
89 1.2 46.5 69.7#



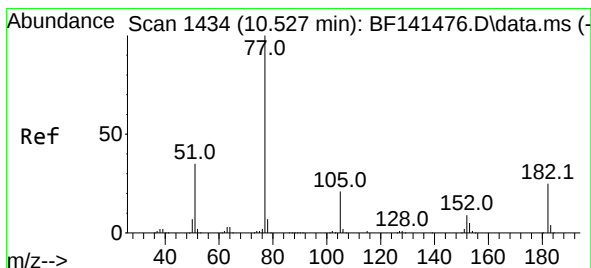
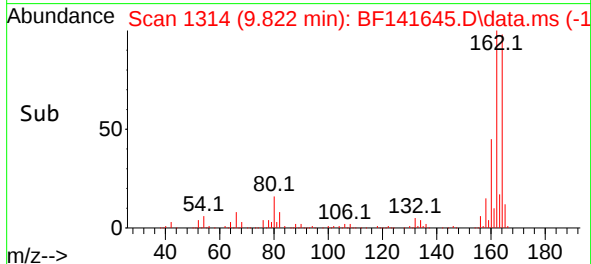
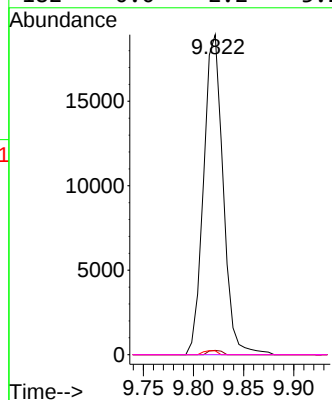


#57
2,4-Dinitrotoluene
Concen: 6.482 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141645.D
Acq: 14 Feb 2025 17:49

Instrument :
BNA_F
ClientSampleId :
357

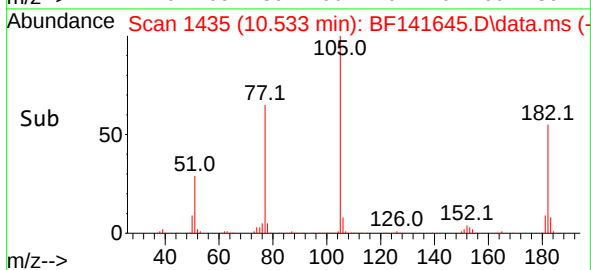
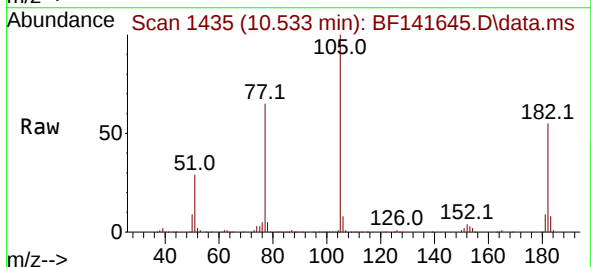
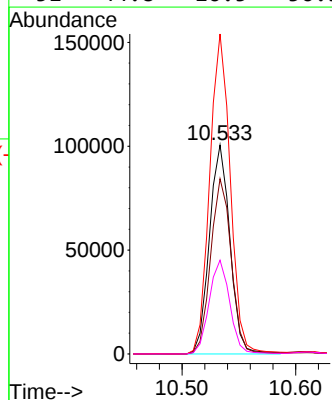


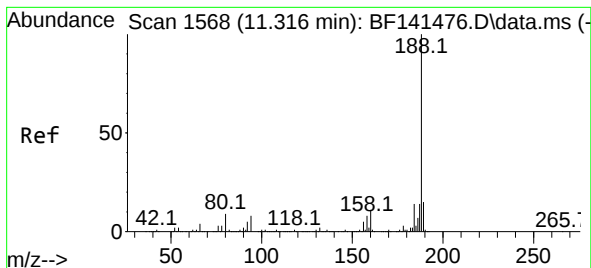
Tgt Ion:165 Resp: 25711
Ion Ratio Lower Upper
165 100
63 1.4 46.4 69.6#
89 1.2 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 9.498 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141645.D
Acq: 14 Feb 2025 17:49

Tgt Ion: 77 Resp: 126630
Ion Ratio Lower Upper
77 100
182 83.8 4.7 44.7#
105 153.1 0.4 40.4#
51 44.8 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141645.D

Acq: 14 Feb 2025 17:49

Instrument :

BNA_F

ClientSampleId :

357

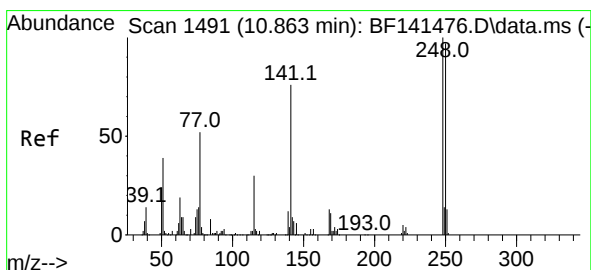
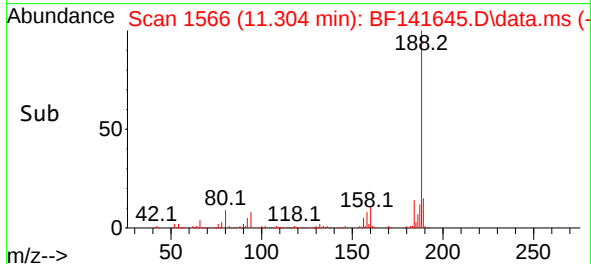
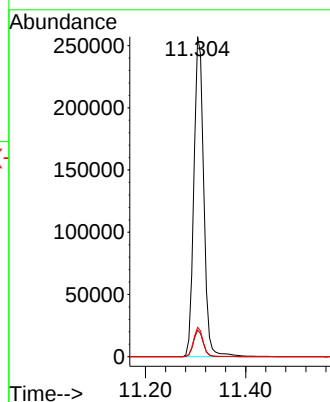
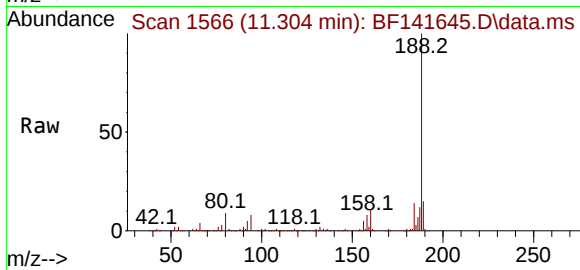
Tgt Ion:188 Resp: 349366

Ion Ratio Lower Upper

188 100

94 8.3 6.6 10.0

80 9.2 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 2.911 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141645.D

Acq: 14 Feb 2025 17:49

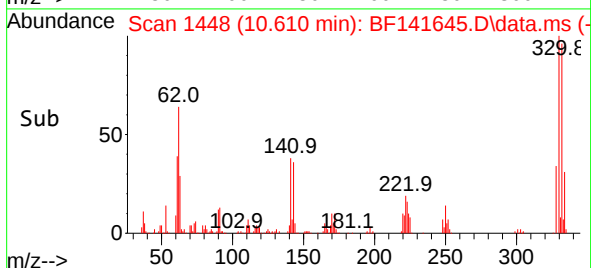
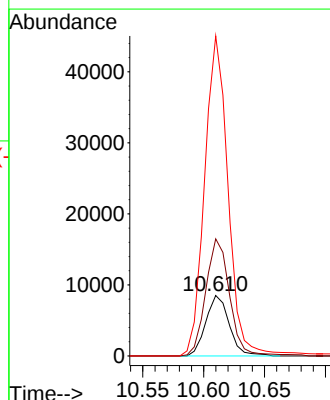
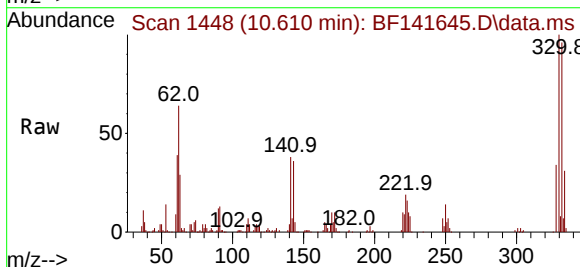
Tgt Ion:248 Resp: 11365

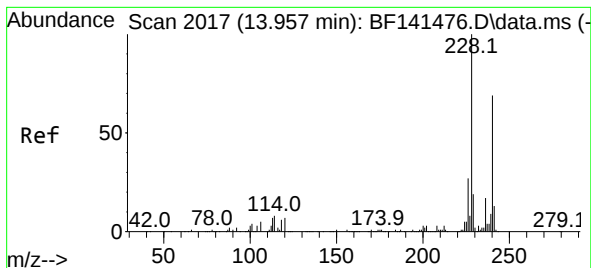
Ion Ratio Lower Upper

248 100

250 193.8 77.8 116.6#

141 529.4 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141645.D

Acq: 14 Feb 2025 17:49

Instrument :

BNA_F

ClientSampleId :

357

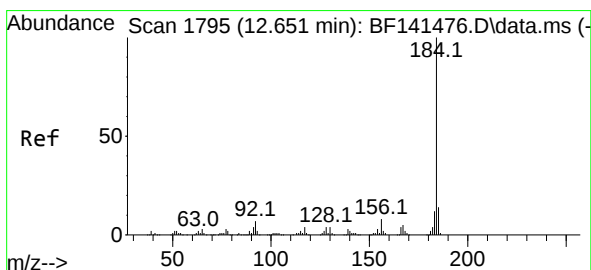
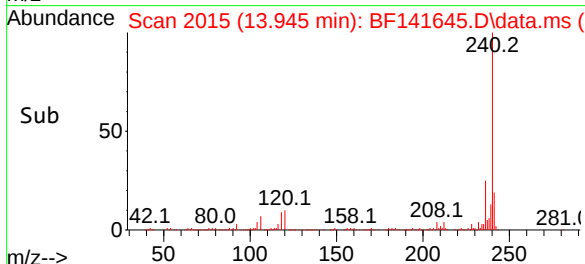
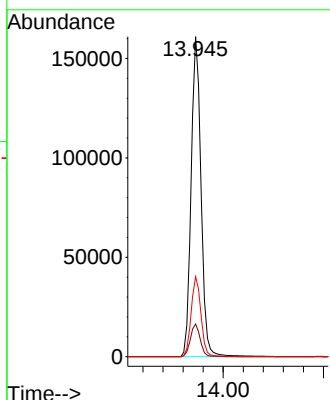
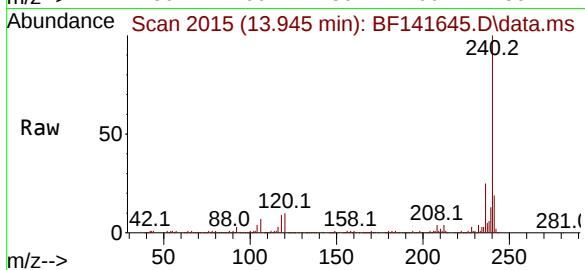
Tgt Ion:240 Resp: 220163

Ion Ratio Lower Upper

240 100

120 10.2 8.0 12.0

236 25.0 19.8 29.8



#77

Benidine

Concen: 2.099 ng

RT: 12.892 min Scan# 1836

Delta R.T. 0.235 min

Lab File: BF141645.D

Acq: 14 Feb 2025 17:49

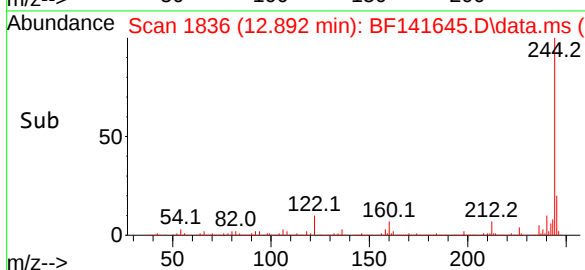
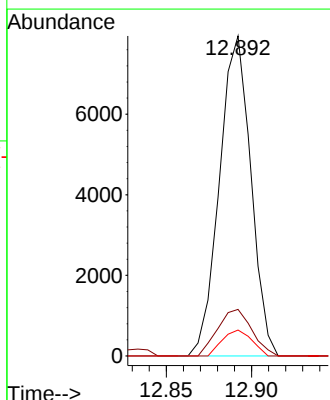
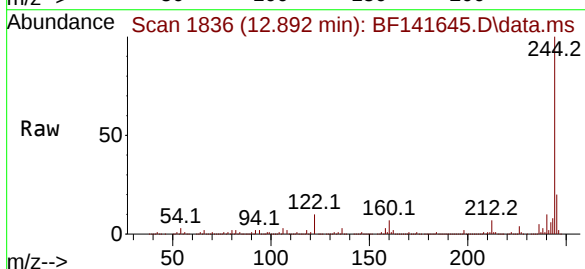
Tgt Ion:184 Resp: 10194

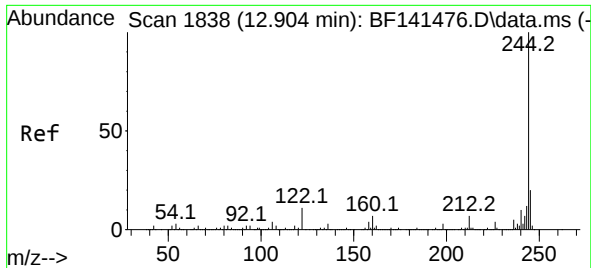
Ion Ratio Lower Upper

184 100

185 14.5 11.3 16.9

183 8.1 9.3 13.9#

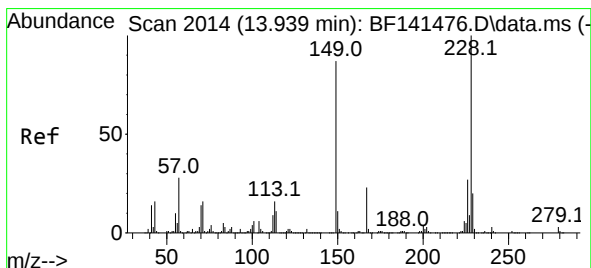
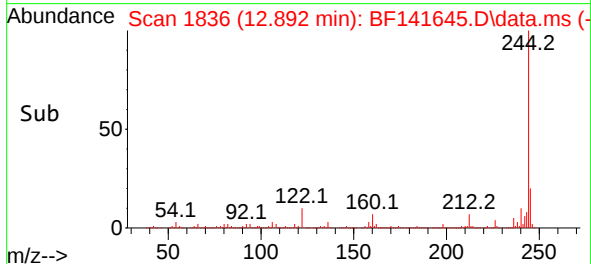
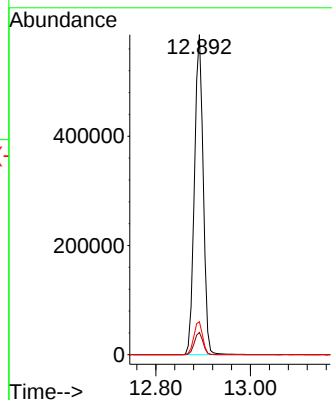
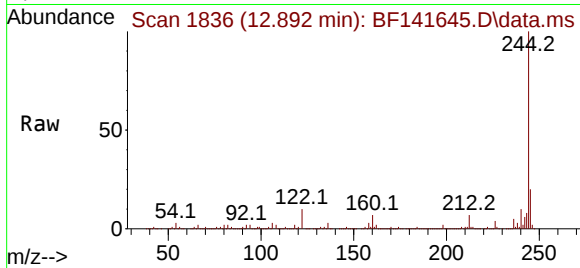




#79
 Terphenyl-d14
 Concen: 57.751 ng
 RT: 12.892 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141645.D
 Acq: 14 Feb 2025 17:49

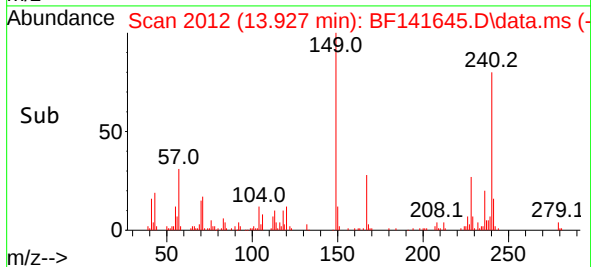
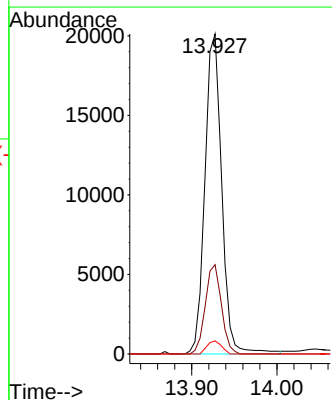
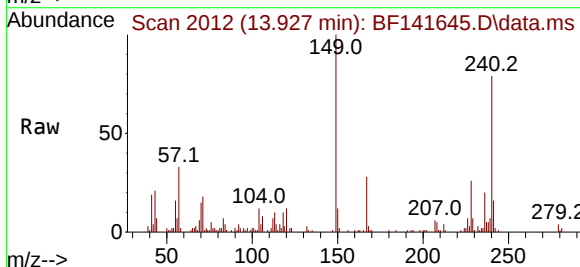
Instrument :
 BNA_F
 ClientSampleId :
 357

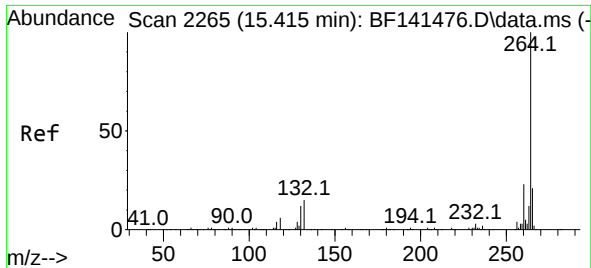
Tgt Ion:244 Resp: 753165
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.3 8.4 12.6



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.776 ng
 RT: 13.927 min Scan# 2012
 Delta R.T. -0.012 min
 Lab File: BF141645.D
 Acq: 14 Feb 2025 17:49

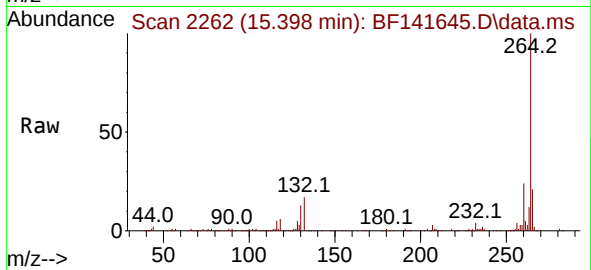
Tgt Ion:149 Resp: 27648
 Ion Ratio Lower Upper
 149 100
 167 27.9 21.4 32.0
 279 4.1 3.1 4.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.398 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF141645.D
 Acq: 14 Feb 2025 17:49

Instrument :
 BNA_F
 ClientSampleId :
 357



Tgt Ion:264 Resp: 173491

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.0	17.0	25.4

