

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
 Data File : BF142886.D
 Acq On : 27 Jun 2025 11:52
 Operator : RC/JU
 Sample : Q2413-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-73

Quant Time: Jun 27 12:24:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

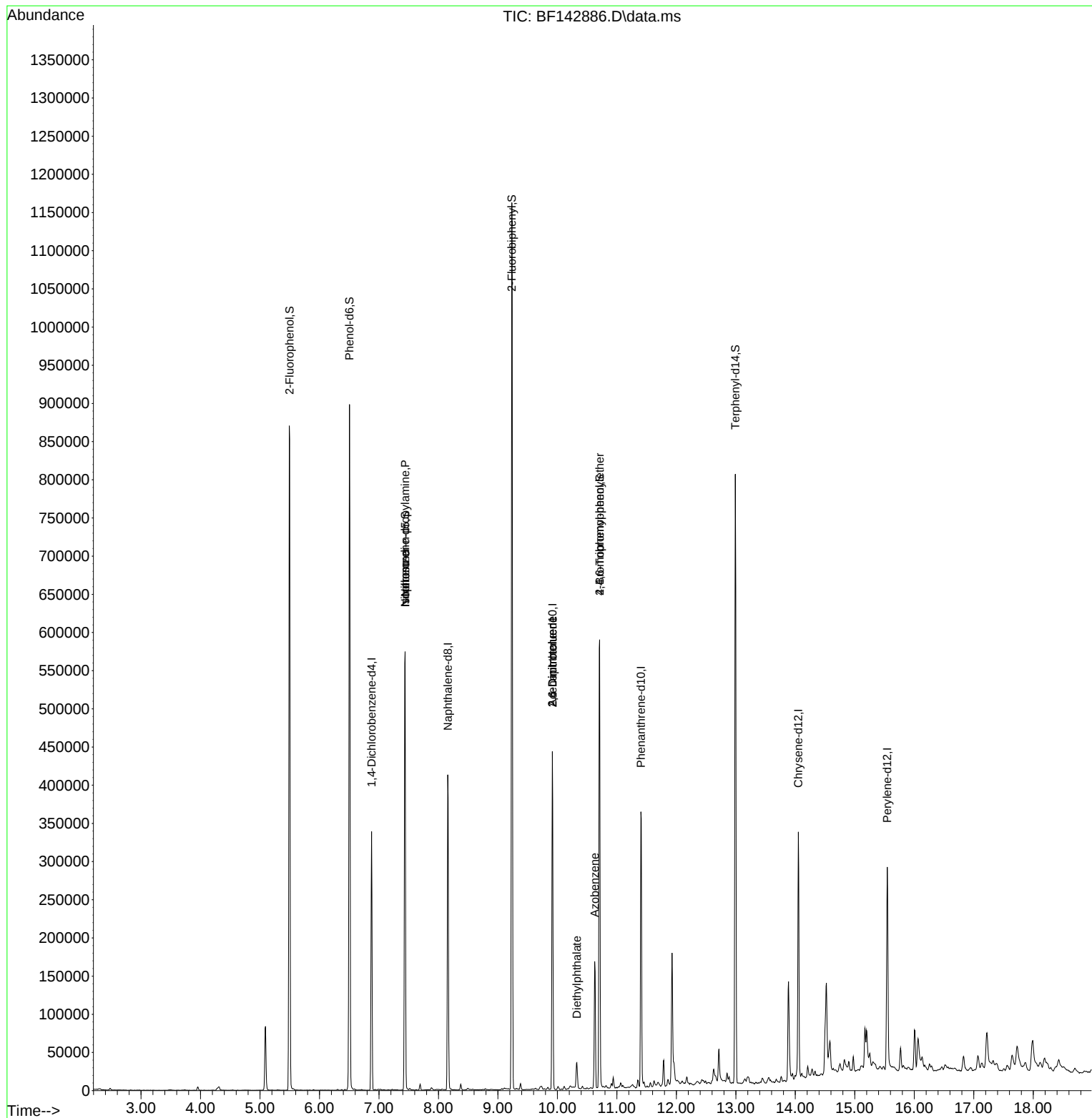
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	71511	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	269771	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	131916	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	195199	20.000	ng	0.00
76) Chrysene-d12	14.051	240	151359	20.000	ng	0.00
86) Perylene-d12	15.545	264	151859	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	340790	79.343	ng	0.00
7) Phenol-d6	6.504	99	410766	81.060	ng	0.00
23) Nitrobenzene-d5	7.440	82	247380	50.298	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	104194	76.754	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	520514	51.835	ng	-0.01
79) Terphenyl-d14	12.992	244	377407	34.452	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	34434	11.683	ng	# 75
25) Isophorone	7.440	82	247378	31.355	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	16380	8.735	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	16380	6.576	ng	# 27
60) Diethylphthalate	10.328	149	24407	2.915	ng	# 98
63) Azobenzene	10.628	77	39359	5.260	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	6611	2.976	ng	# 1

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

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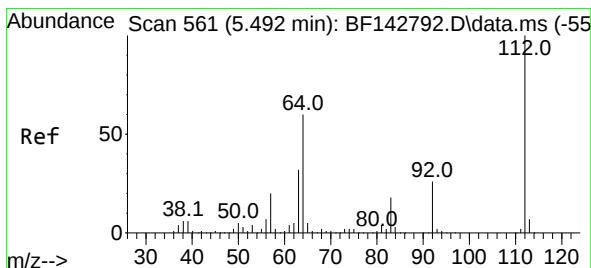
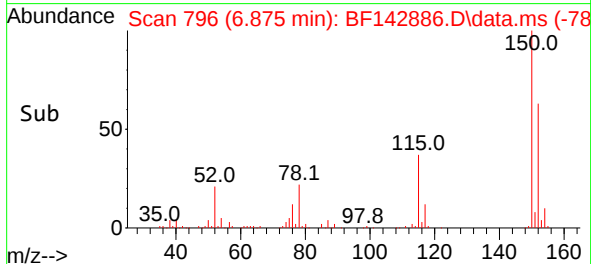
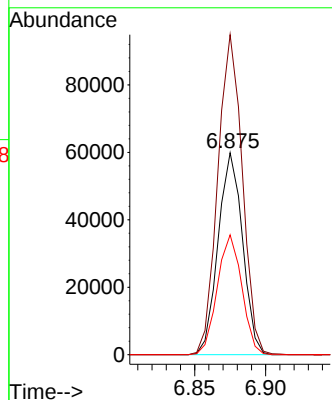
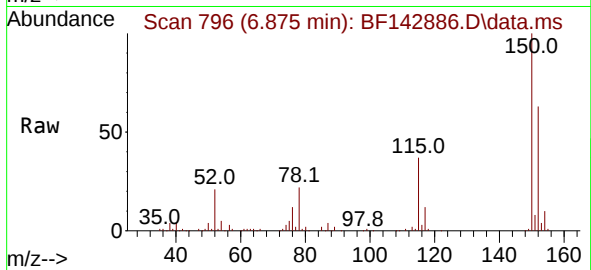




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142886.D
 Acq: 27 Jun 2025 11:52

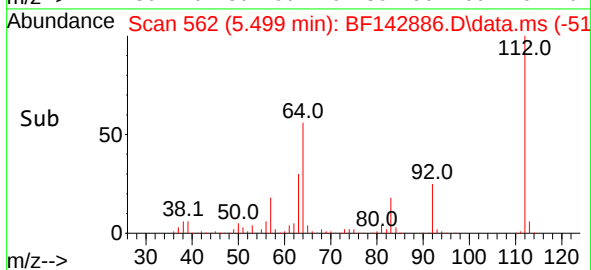
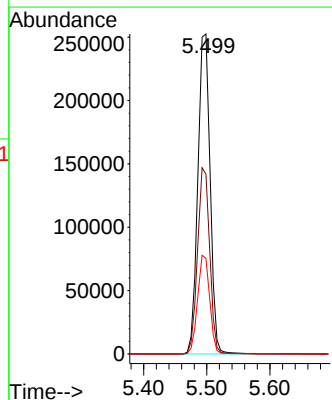
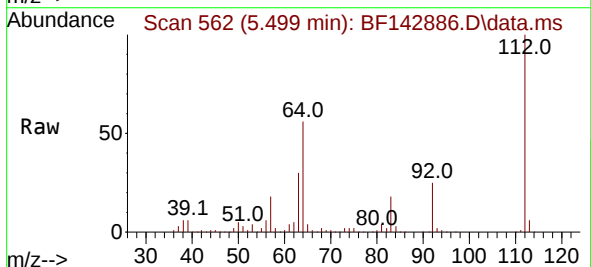
Instrument :
 BNA_F
 ClientSampleId :
 TP-73

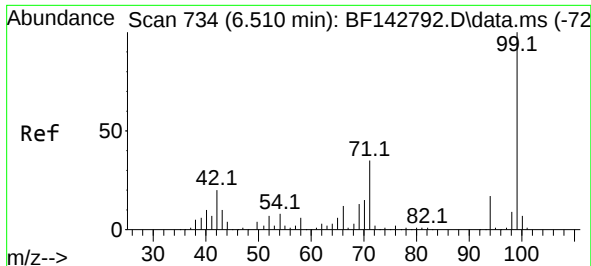
Tgt Ion:152 Resp: 71511
 Ion Ratio Lower Upper
 152 100
 150 158.4 127.2 190.8
 115 59.3 46.6 69.8



#5
 2-Fluorophenol
 Concen: 79.343 ng
 RT: 5.499 min Scan# 562
 Delta R.T. 0.007 min
 Lab File: BF142886.D
 Acq: 27 Jun 2025 11:52

Tgt Ion:112 Resp: 340790
 Ion Ratio Lower Upper
 112 100
 64 56.1 48.2 72.2
 63 29.8 25.7 38.5

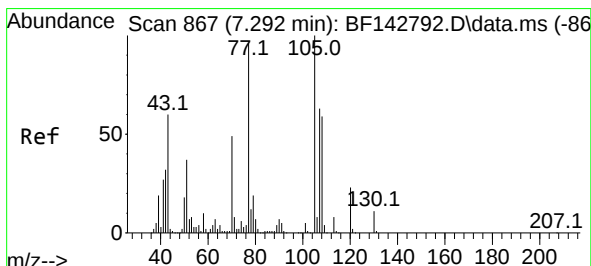
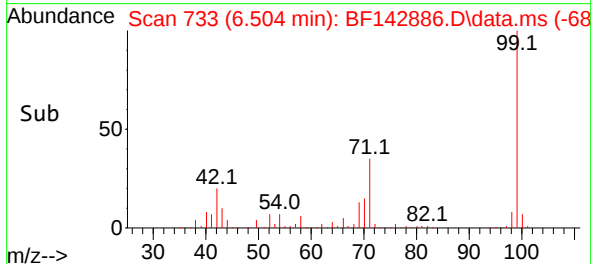
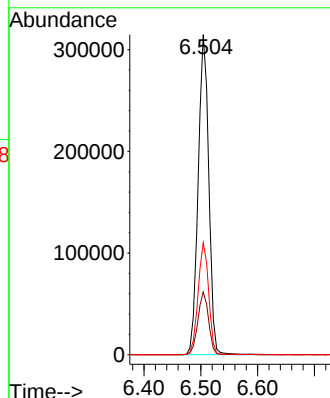
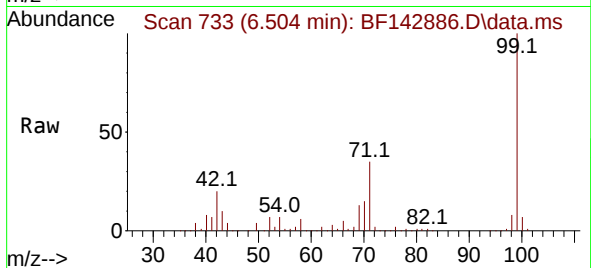




#7
Phenol-d6
Concen: 81.060 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

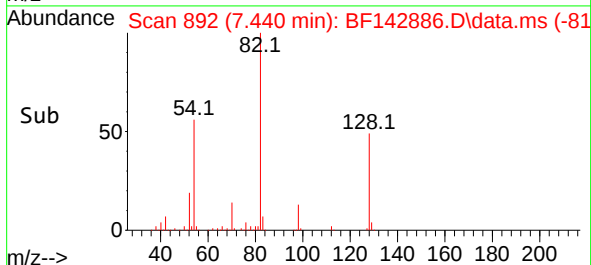
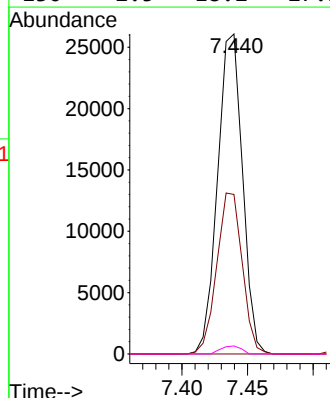
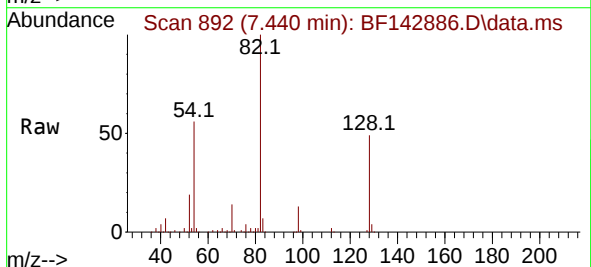
Instrument :
BNA_F
ClientSampleId :
TP-73

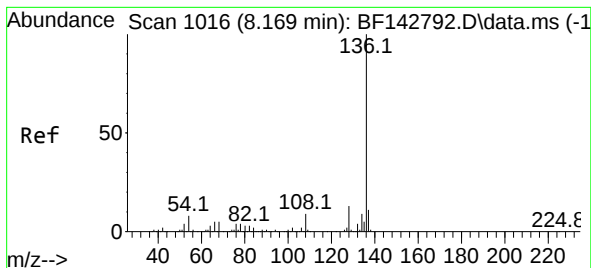
Tgt Ion: 99 Resp: 410766
Ion Ratio Lower Upper
99 100
42 19.6 15.9 23.9
71 35.0 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.683 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Tgt Ion: 70 Resp: 34434
Ion Ratio Lower Upper
70 100
42 49.8 52.1 78.1#
101 0.0 8.2 12.2#
130 2.5 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF142886.D

Acq: 27 Jun 2025 11:52

Instrument :

BNA_F

ClientSampleId :

TP-73

Tgt Ion:136 Resp: 269771

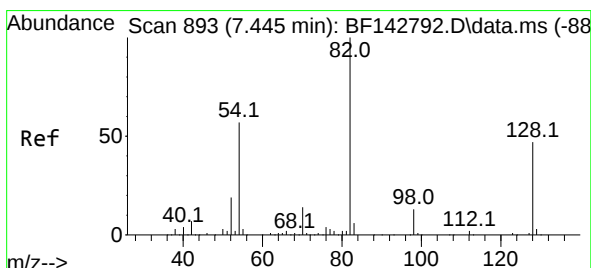
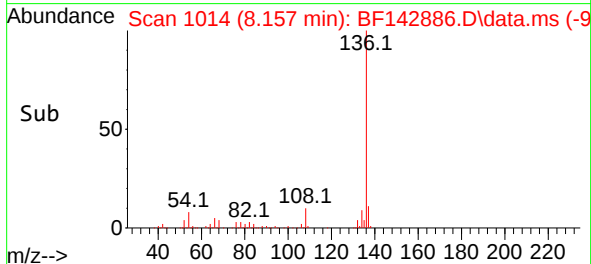
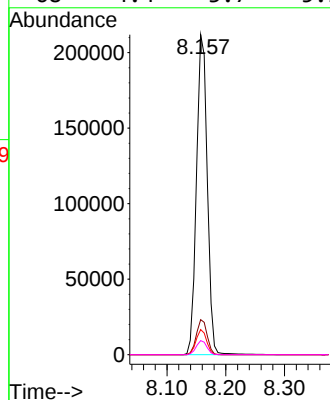
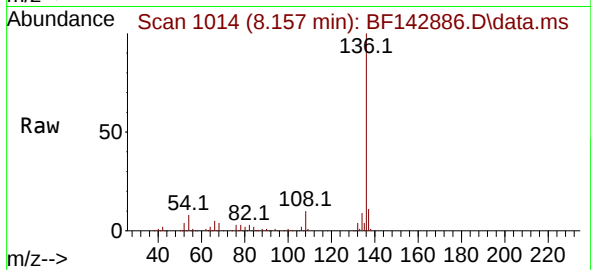
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 7.8 6.3 9.5

68 4.4 3.7 5.5



#23

Nitrobenzene-d5

Concen: 50.298 ng

RT: 7.440 min Scan# 892

Delta R.T. -0.005 min

Lab File: BF142886.D

Acq: 27 Jun 2025 11:52

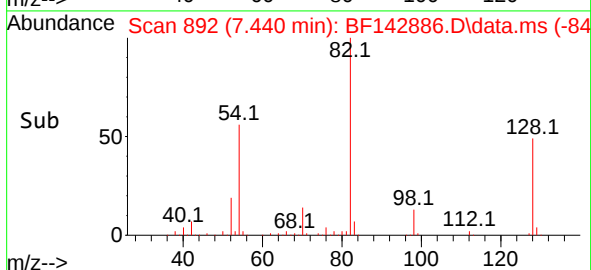
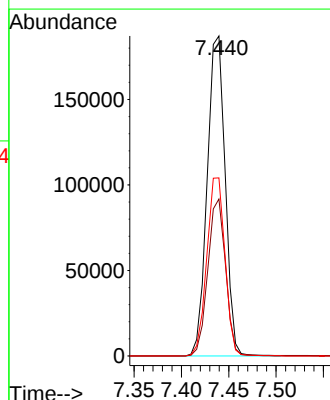
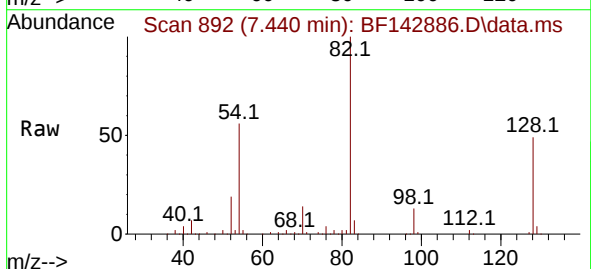
Tgt Ion: 82 Resp: 247380

Ion Ratio Lower Upper

82 100

128 49.1 37.7 56.5

54 55.6 45.7 68.5

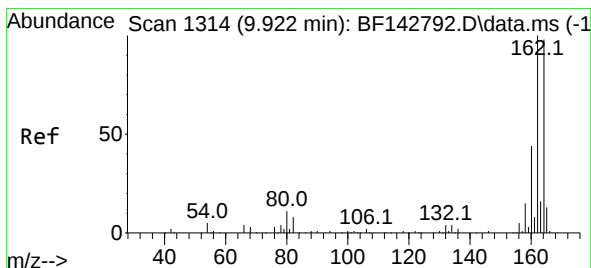
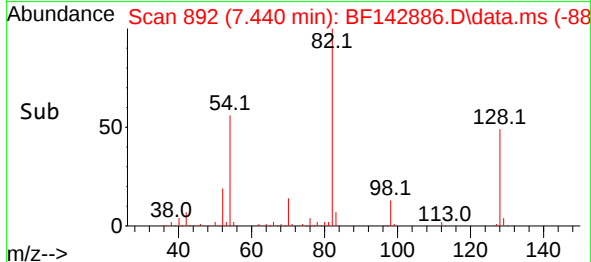
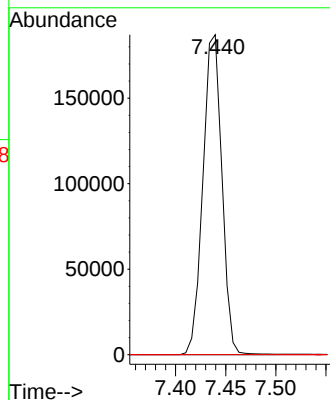
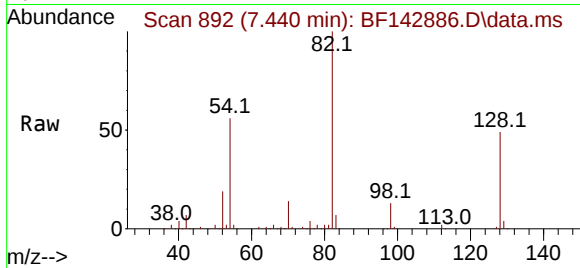




#25
Isophorone
Concen: 31.355 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.264 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

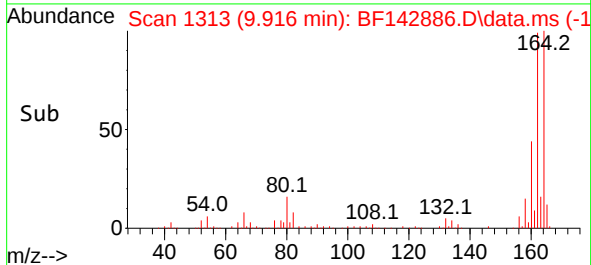
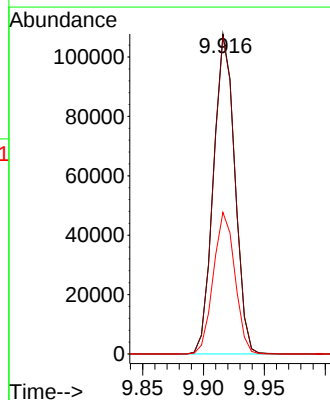
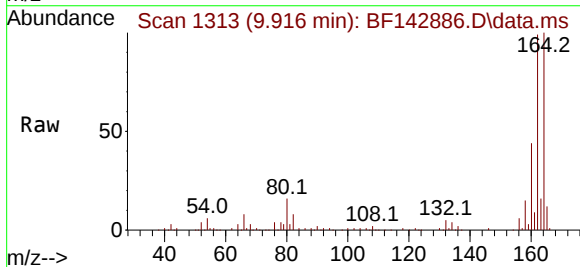
Instrument :
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TP-73

Tgt Ion: 82 Resp: 247378
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

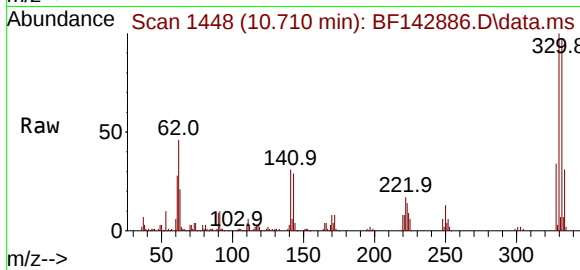
Tgt Ion:164 Resp: 131916
Ion Ratio Lower Upper
164 100
162 99.2 81.8 122.8
160 44.2 36.0 54.0



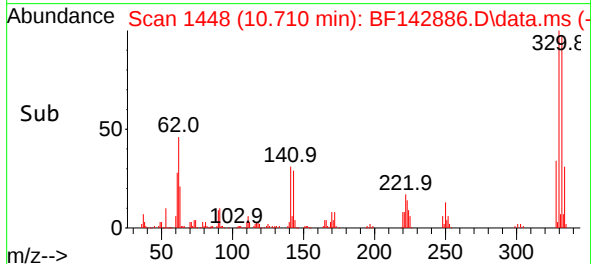
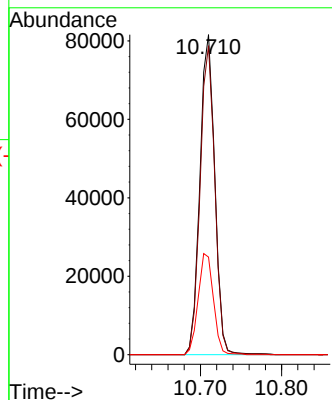


#42
2,4,6-Tribromophenol
Concen: 76.754 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Instrument :
BNA_F
ClientSampleId :
TP-73

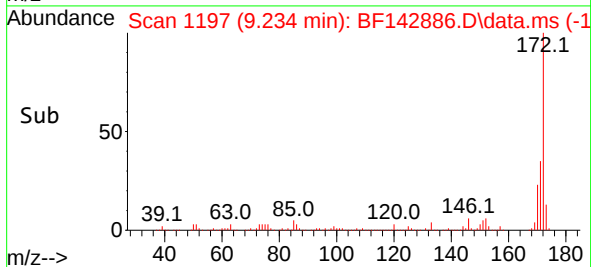
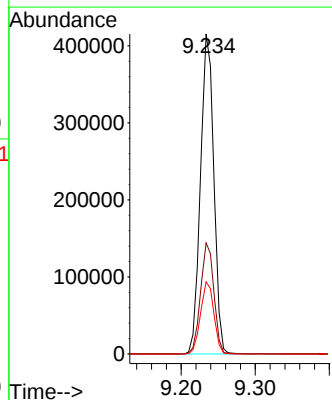
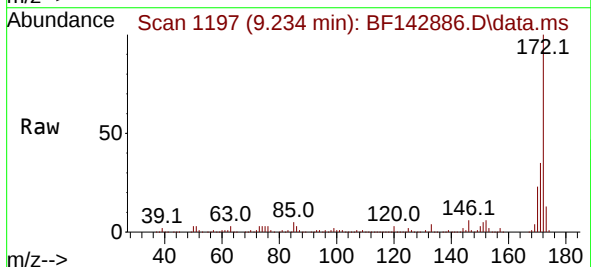


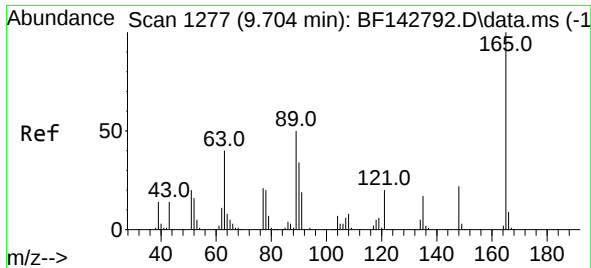
Tgt Ion:330 Resp: 104194
Ion Ratio Lower Upper
330 100
332 95.3 75.0 112.6
141 32.4 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 51.835 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Tgt Ion:172 Resp: 520514
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.4
170 22.6 18.5 27.7





#51

2,6-Dinitrotoluene

Concen: 8.735 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF142886.D

Acq: 27 Jun 2025 11:52

Instrument :

BNA_F

ClientSampleId :

TP-73

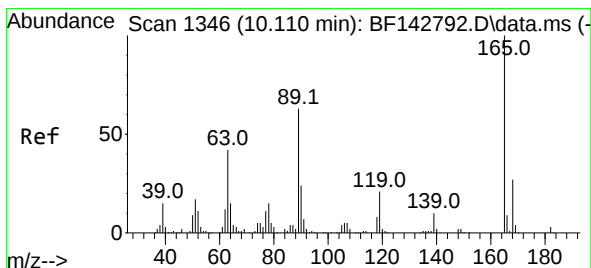
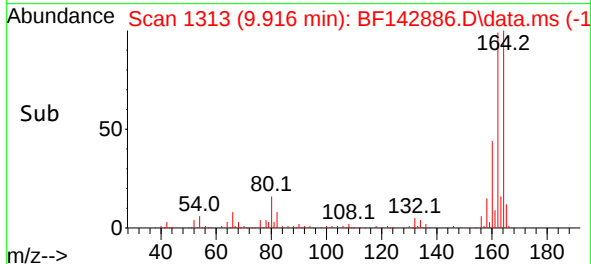
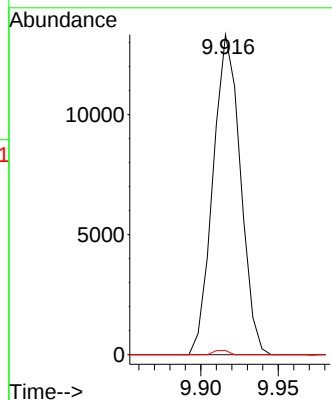
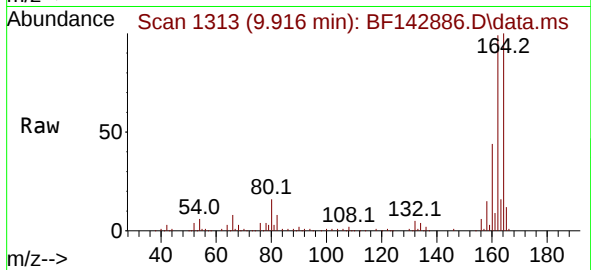
Tgt Ion:165 Resp: 16380

Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.4#

89 1.3 39.8 59.8#



#57

2,4-Dinitrotoluene

Concen: 6.576 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.194 min

Lab File: BF142886.D

Acq: 27 Jun 2025 11:52

Tgt Ion:165 Resp: 16380

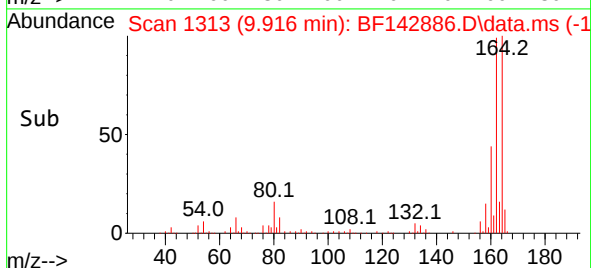
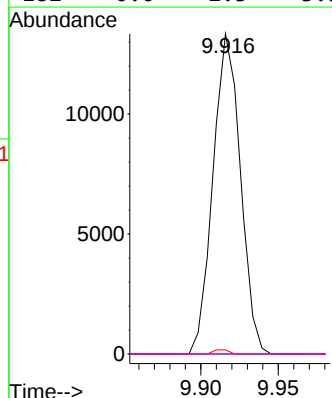
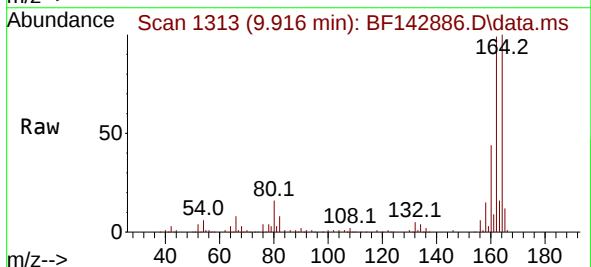
Ion Ratio Lower Upper

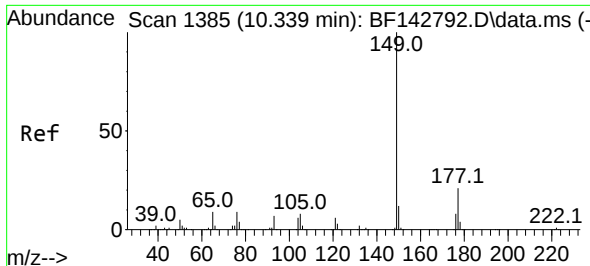
165 100

63 0.0 33.9 50.9#

89 1.3 50.6 75.8#

182 0.0 2.3 3.5#

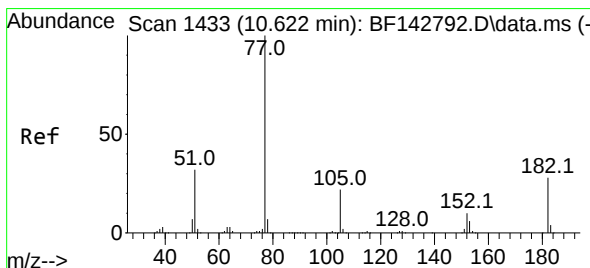
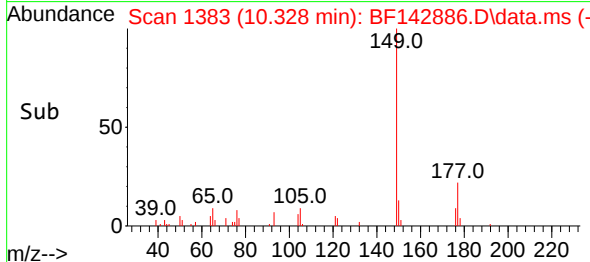
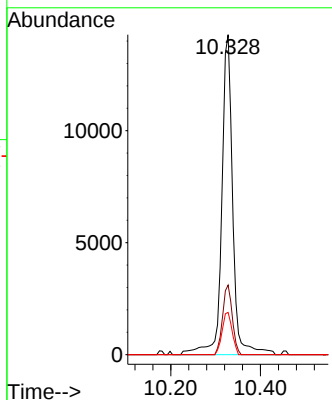
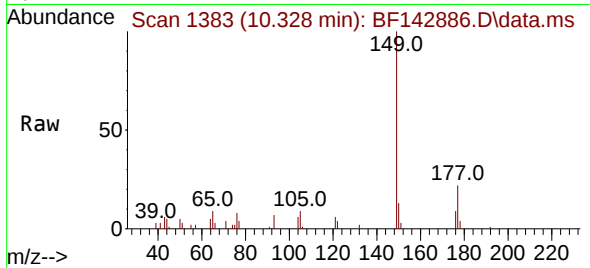




#60
Diethylphthalate
Concen: 2.915 ng
RT: 10.328 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

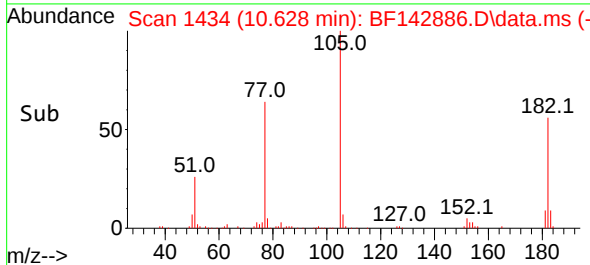
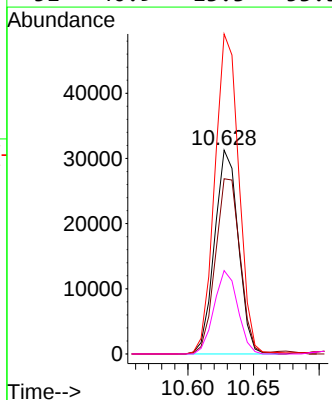
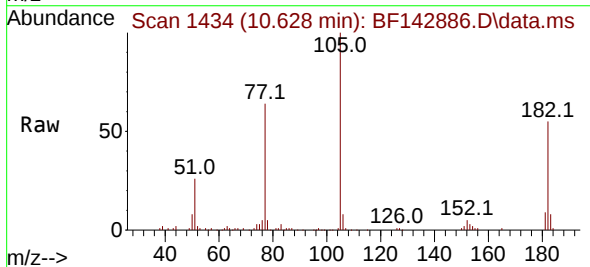
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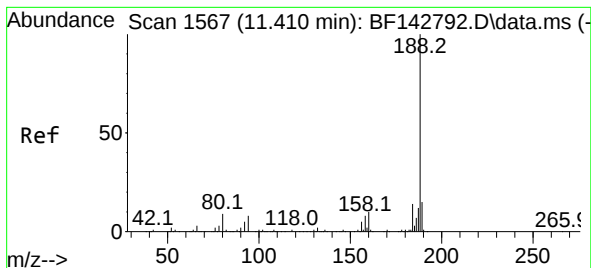
Tgt Ion:149 Resp: 24407
Ion Ratio Lower Upper
149 100
177 21.8 17.0 25.6
150 13.2 9.8 14.6



#63
Azobenzene
Concen: 5.260 ng
RT: 10.628 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Tgt Ion: 77 Resp: 39359
Ion Ratio Lower Upper
77 100
182 86.0 7.7 47.7#
105 157.0 1.9 41.9#
51 40.9 13.3 53.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142886.D

Acq: 27 Jun 2025 11:52

Instrument :

BNA_F

ClientSampleId :

TP-73

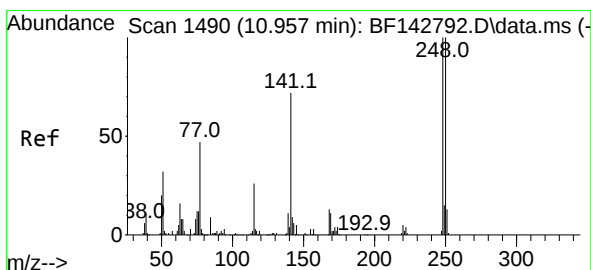
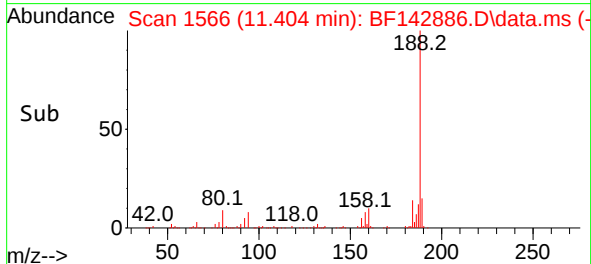
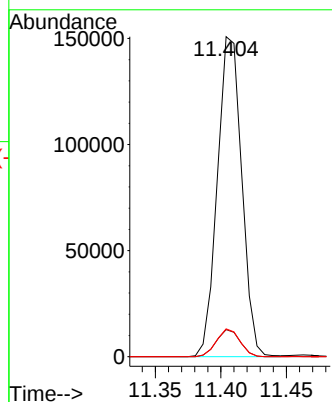
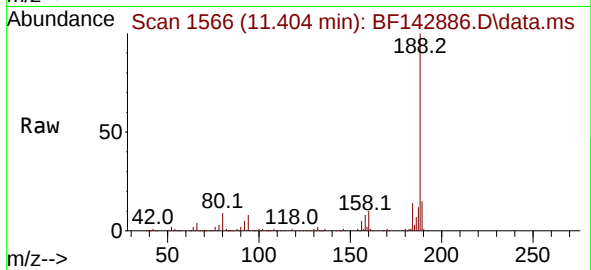
Tgt Ion:188 Resp: 195199

Ion Ratio Lower Upper

188 100

94 8.4 6.7 10.1

80 8.7 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 2.976 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.247 min

Lab File: BF142886.D

Acq: 27 Jun 2025 11:52

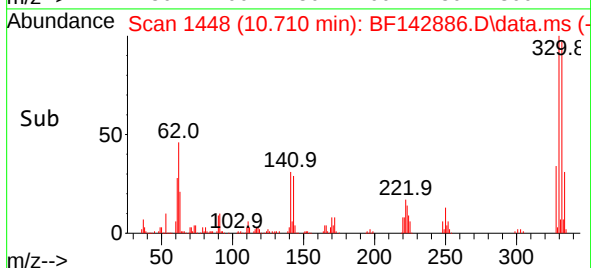
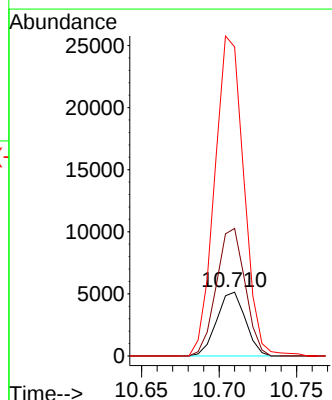
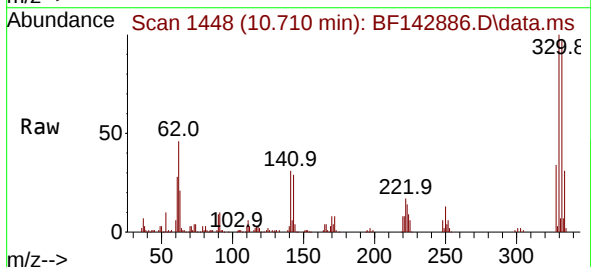
Tgt Ion:248 Resp: 6611

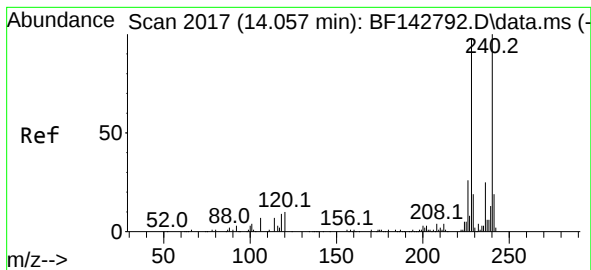
Ion Ratio Lower Upper

248 100

250 199.6 79.8 119.8#

141 484.3 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142886.D

Acq: 27 Jun 2025 11:52

Instrument :

BNA_F

ClientSampleId :

TP-73

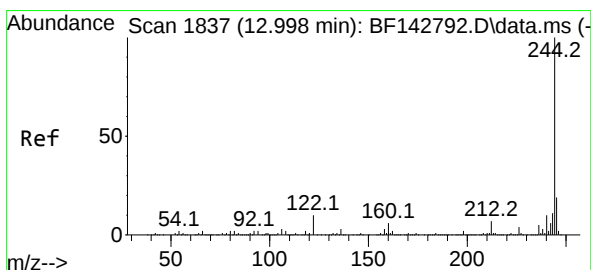
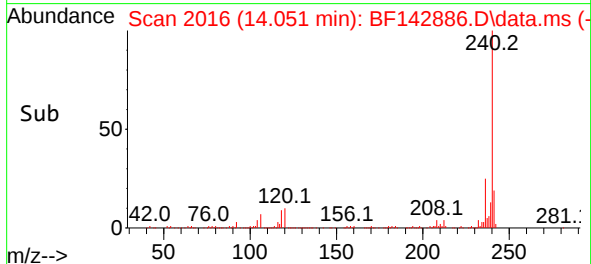
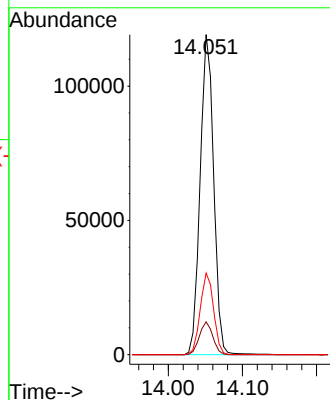
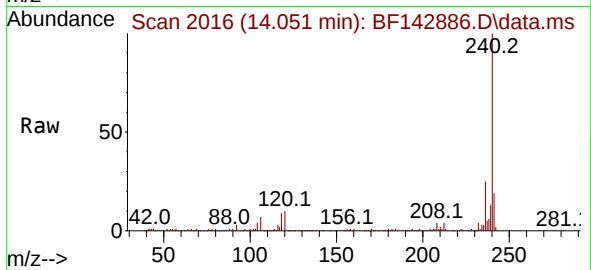
Tgt Ion:240 Resp: 151359

Ion Ratio Lower Upper

240 100

120 10.2 8.2 12.2

236 25.5 19.8 29.8



#79

Terphenyl-d14

Concen: 34.452 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142886.D

Acq: 27 Jun 2025 11:52

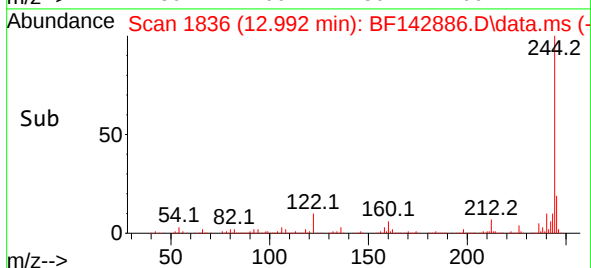
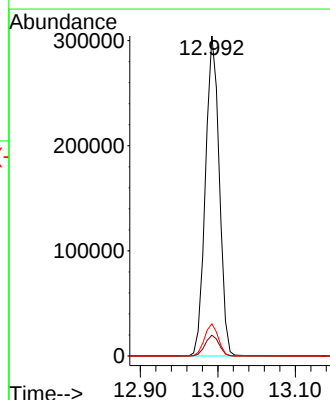
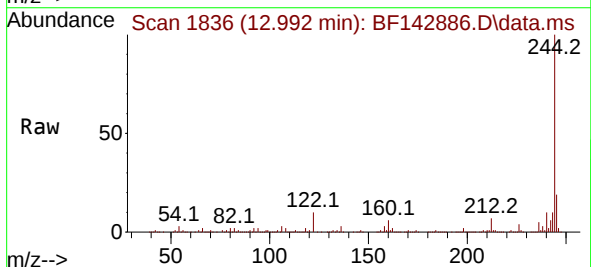
Tgt Ion:244 Resp: 377407

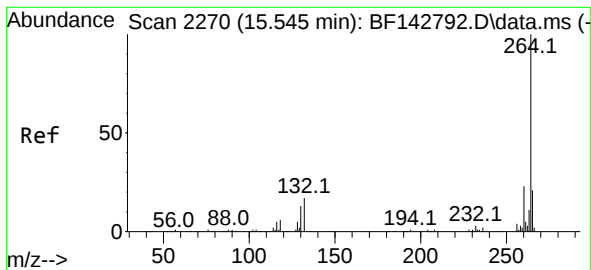
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.0 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142886.D

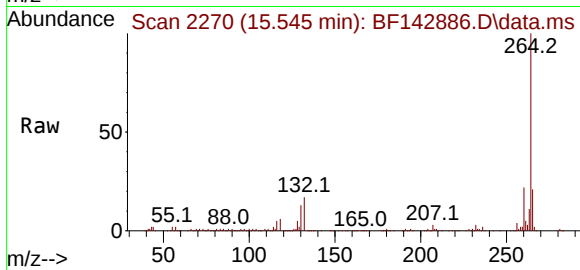
Acq: 27 Jun 2025 11:52

Instrument :

BNA_F

ClientSampleId :

TP-73



Tgt Ion:264 Resp: 151859

Ion Ratio Lower Upper

264 100

260 22.3 18.1 27.1

265 21.2 16.6 25.0

