

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142845.D
 Acq On : 25 Jun 2025 19:06
 Operator : RC/JU
 Sample : Q2386-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-1-062025

Quant Time: Jun 26 01:19:19 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)

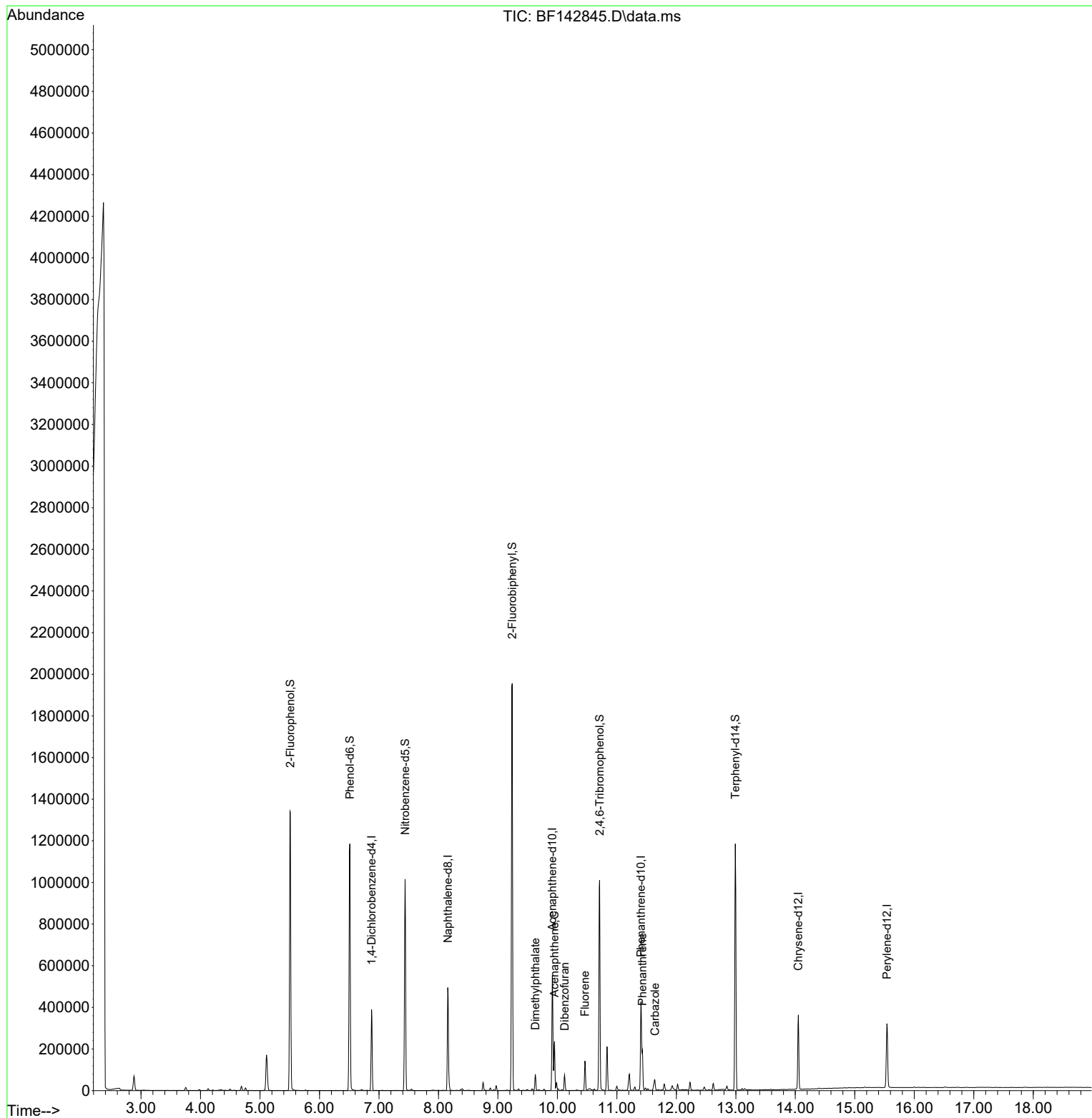
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85467	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	320972	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	164270	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	221790	20.000	ng	0.00
76) Chrysene-d12	14.051	240	169503	20.000	ng	0.00
86) Perylene-d12	15.539	264	183109	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	542121	105.607	ng	0.02
7) Phenol-d6	6.510	99	577503	95.354	ng	0.00
23) Nitrobenzene-d5	7.439	82	444219	75.912	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	177008	104.711	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	915288	73.196	ng	0.00
79) Terphenyl-d14	12.992	244	564301	45.999	ng	0.00
Target Compounds						
						Qvalue
50) Dimethylphthalate	9.628	163	43526	4.093	ng	98
52) Acenaphthene	9.951	154	75394	7.708	ng	98
55) Dibenzofuran	10.122	168	41605	2.966	ng	98
58) Fluorene	10.463	166	57097	5.213	ng	# 97
71) Phenanthrene	11.427	178	99319	8.267	ng	99
73) Carbazole	11.639	167	29125	2.739	ng	98

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

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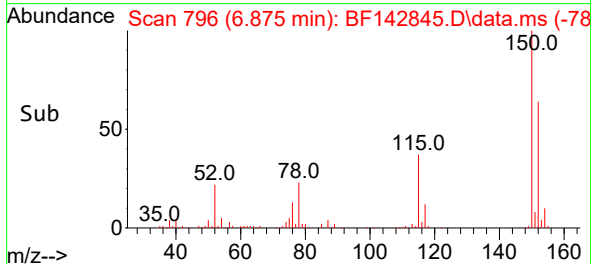
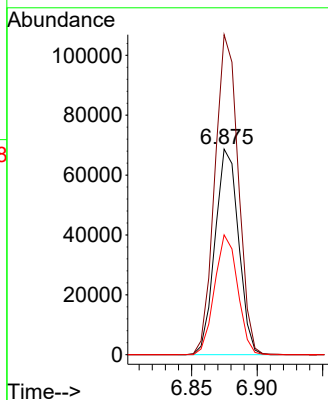
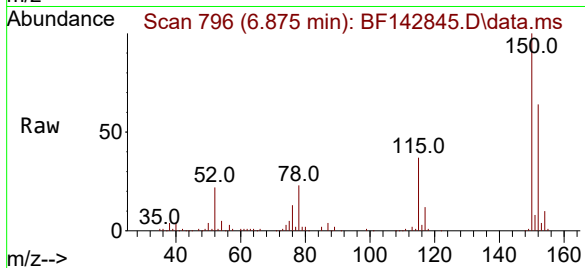




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

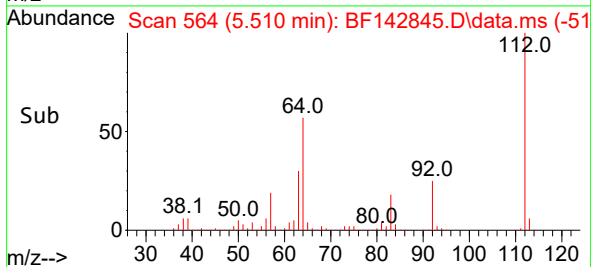
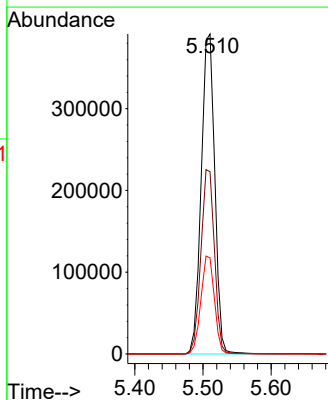
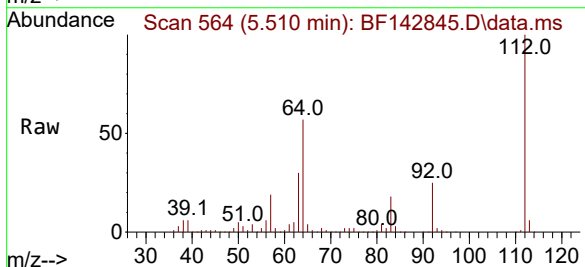
Instrument :
BNA_F
ClientSampleId :
SU-1-062025

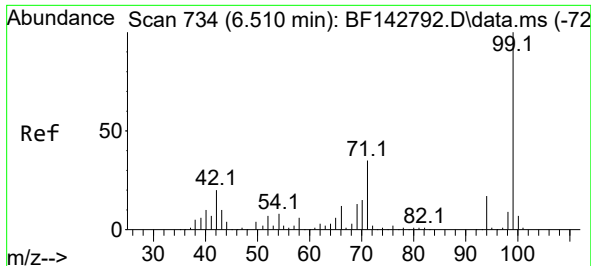
Tgt Ion:152 Resp: 85467
Ion Ratio Lower Upper
152 100
150 155.6 127.2 190.8
115 58.2 46.6 69.8



#5
2-Fluorophenol
Concen: 105.607 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

Tgt Ion:112 Resp: 542121
Ion Ratio Lower Upper
112 100
64 56.9 48.2 72.2
63 30.1 25.7 38.5

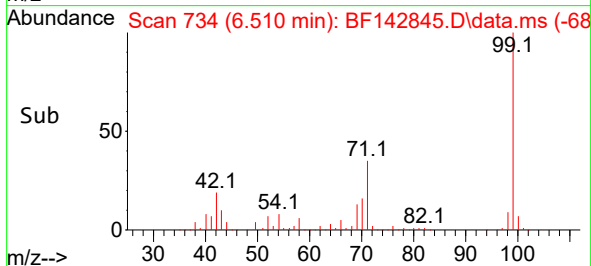
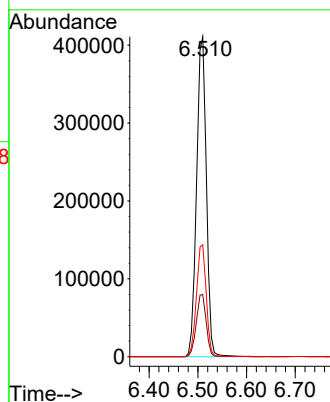
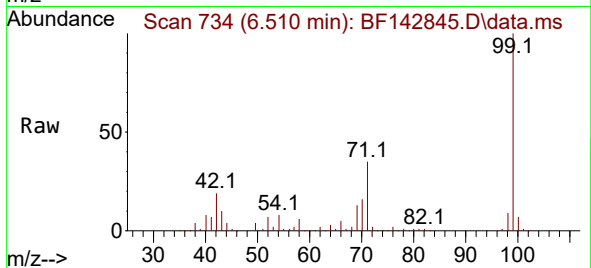




#7
Phenol-d6
Concen: 95.354 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

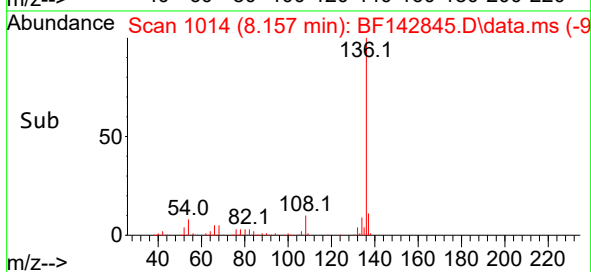
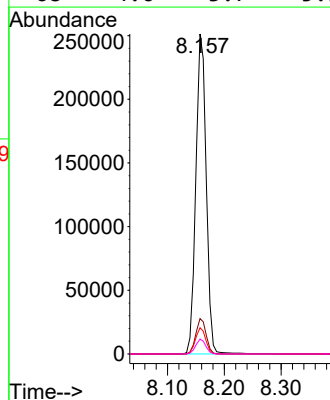
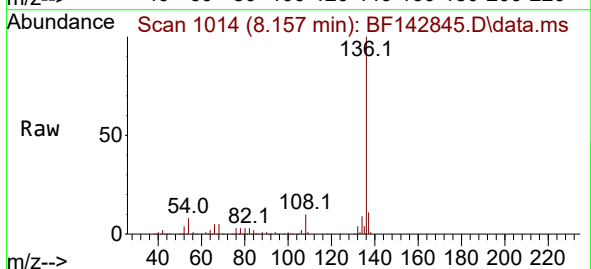
Instrument :
BNA_F
ClientSampleId :
SU-1-062025

Tgt Ion: 99 Resp: 577503
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 34.9 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

Tgt Ion: 136 Resp: 320972
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.2 6.3 9.5
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 75.912 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142845.D

Acq: 25 Jun 2025 19:06

Instrument :

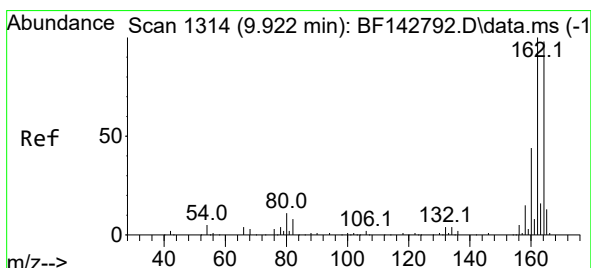
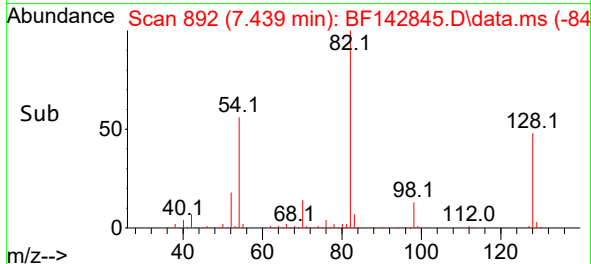
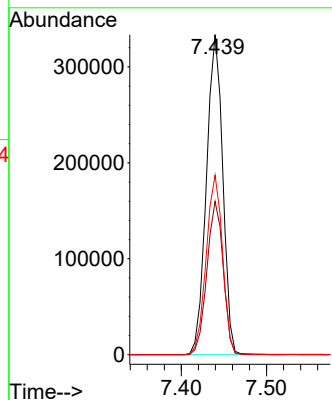
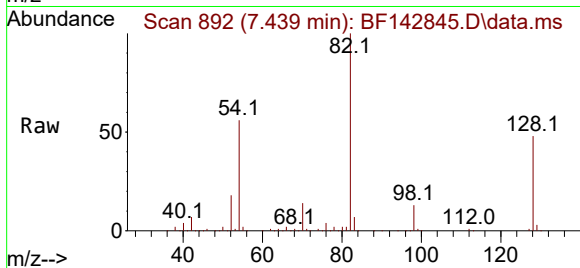
BNA_F

ClientSampleId :

SU-1-062025

Tgt Ion: 82 Resp: 444219

Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.7	56.5
54	56.1	45.7	68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

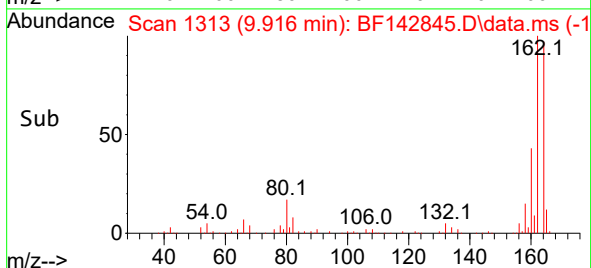
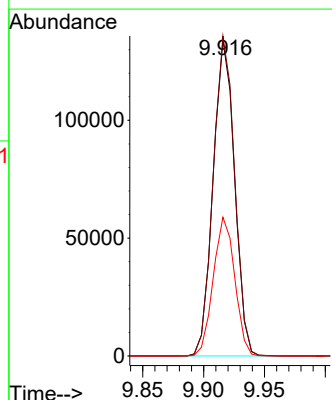
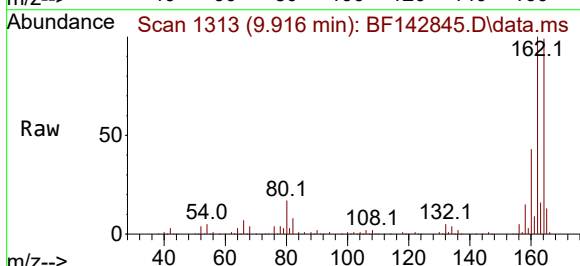
Delta R.T. -0.006 min

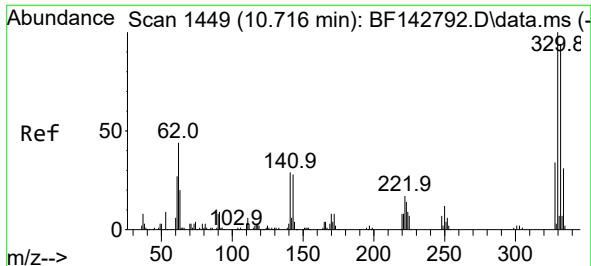
Lab File: BF142845.D

Acq: 25 Jun 2025 19:06

Tgt Ion:164 Resp: 164270

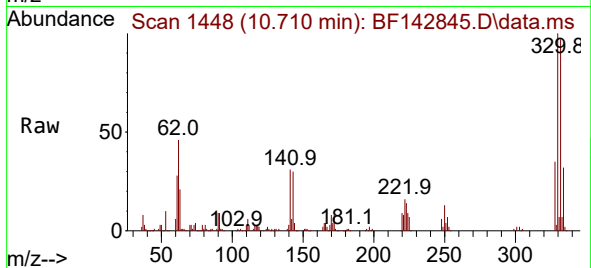
Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.8	122.8
160	44.0	36.0	54.0



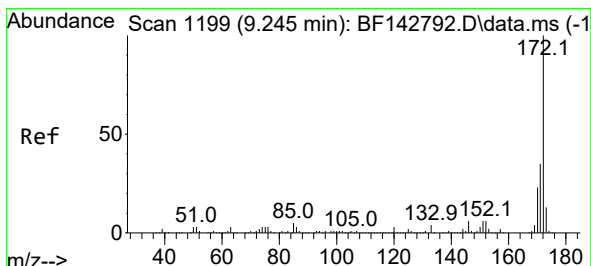
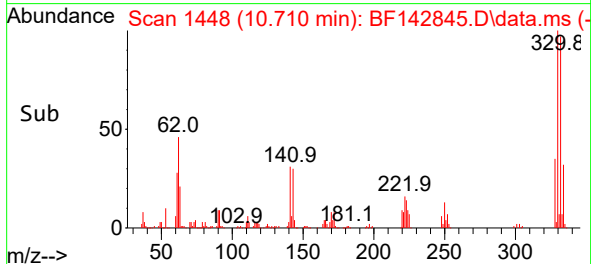
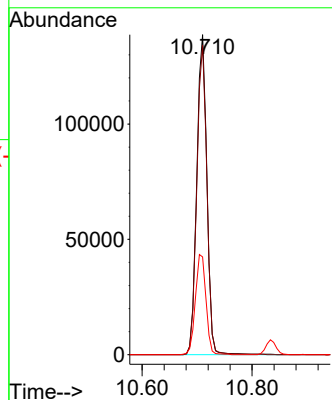


#42
2,4,6-Tribromophenol
Concen: 104.711 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

Instrument :
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SU-1-062025

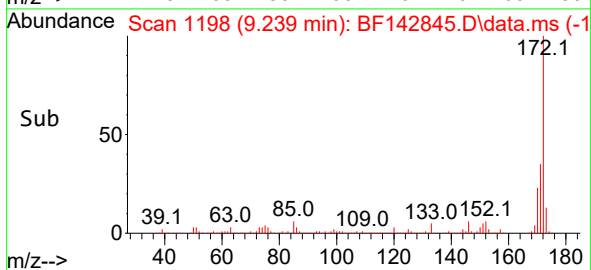
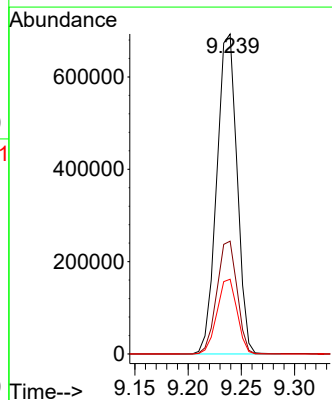
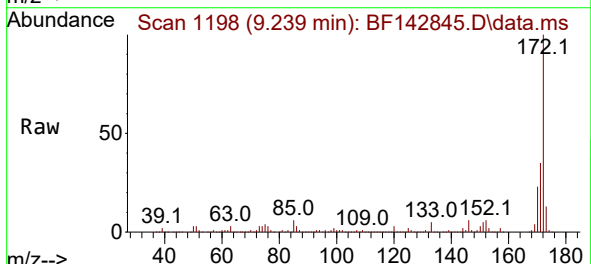


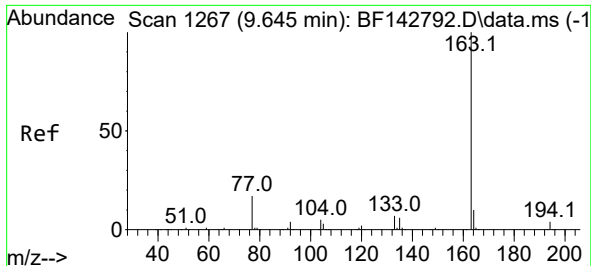
Tgt Ion: 330 Resp: 177008
Ion Ratio Lower Upper
330 100
332 96.8 75.0 112.6
141 32.8 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 73.196 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

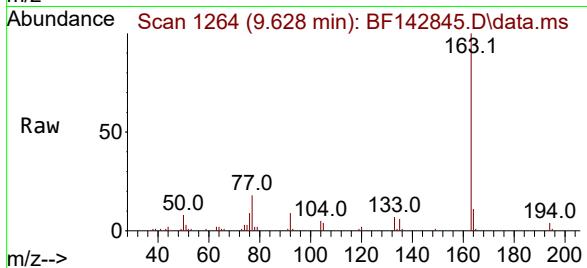
Tgt Ion: 172 Resp: 915288
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.4 18.5 27.7



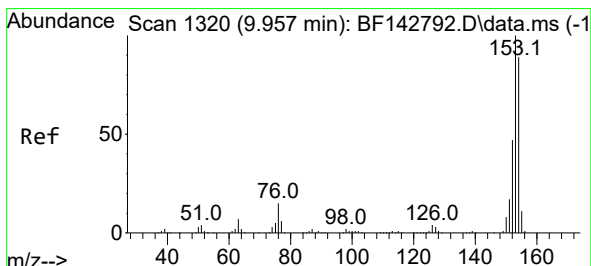
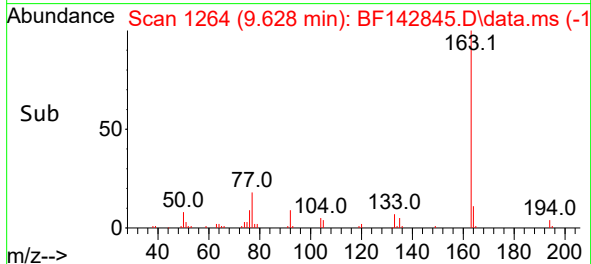
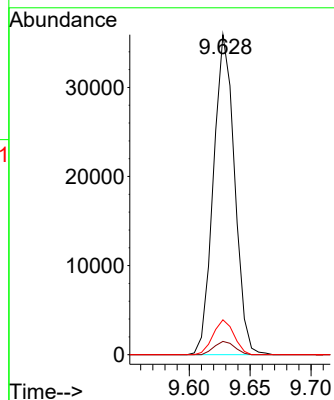


#50
Dimethylphthalate
Concen: 4.093 ng
RT: 9.628 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

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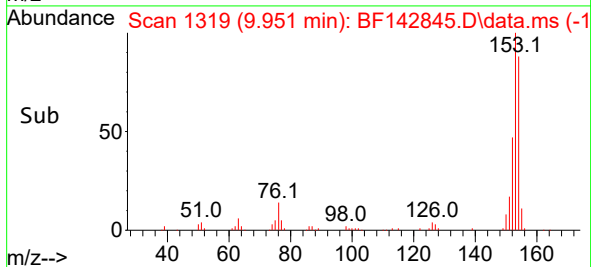
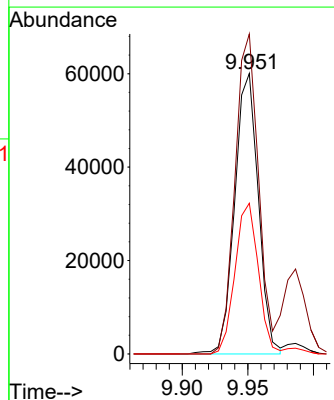
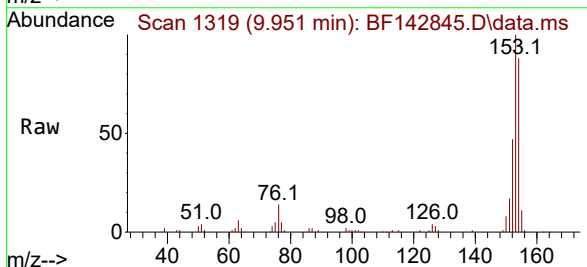


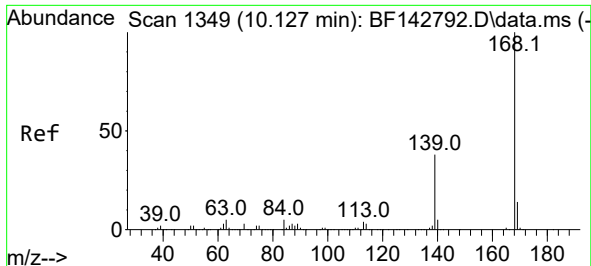
Tgt Ion:163 Resp: 43526
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.9 8.0 12.0



#52
Acenaphthene
Concen: 7.708 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

Tgt Ion:154 Resp: 75394
Ion Ratio Lower Upper
154 100
153 114.1 90.0 135.0
152 53.7 41.9 62.9

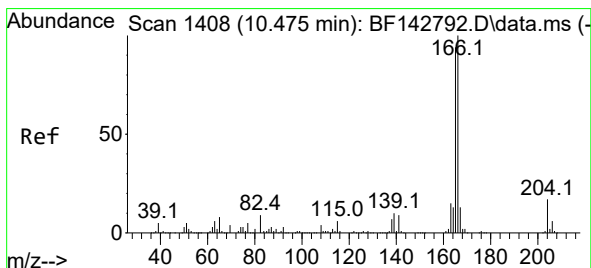
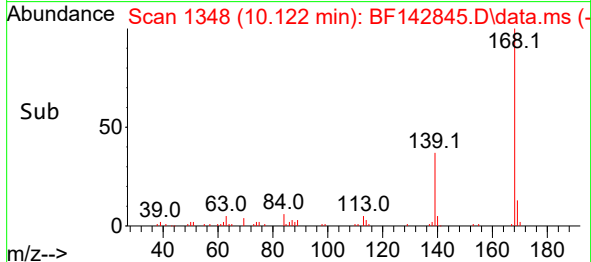
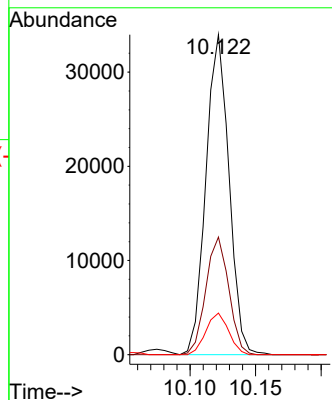
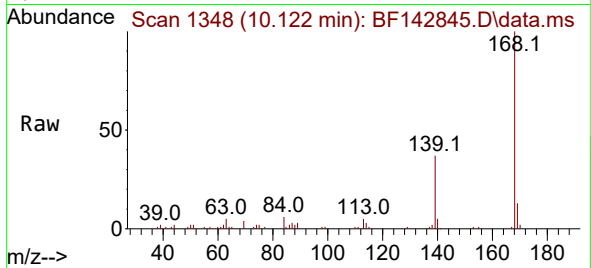




#55
Dibenzenofuran
Concen: 2.966 ng
RT: 10.122 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

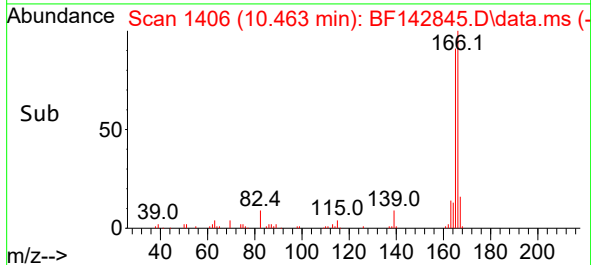
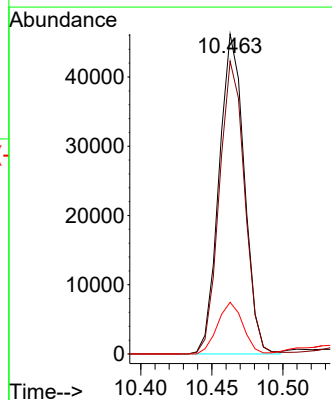
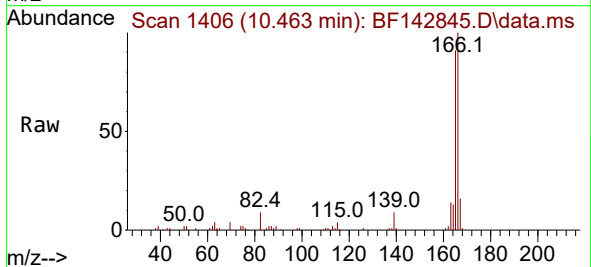
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ClientSampleId :
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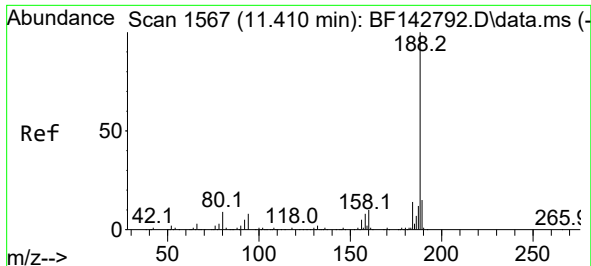
Tgt Ion:168 Resp: 41605
Ion Ratio Lower Upper
168 100
139 36.7 30.2 45.4
169 13.0 10.8 16.2



#58
Fluorene
Concen: 5.213 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

Tgt Ion:166 Resp: 57097
Ion Ratio Lower Upper
166 100
165 91.5 75.2 112.8
167 16.1 10.6 15.8#

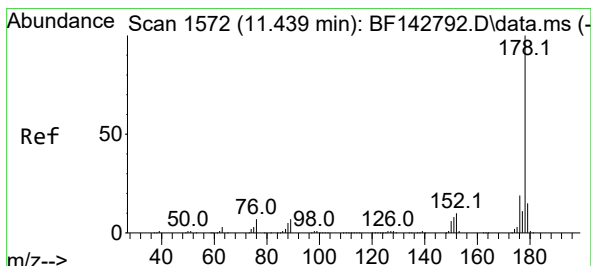
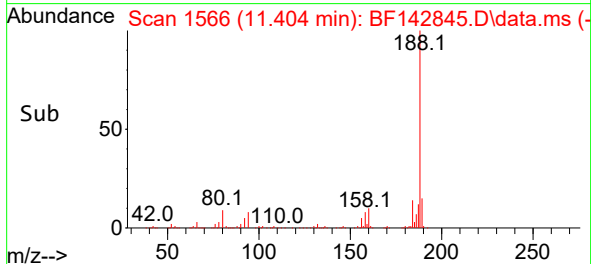
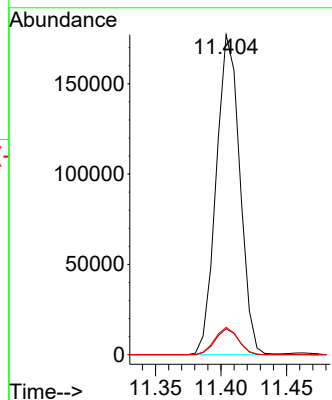
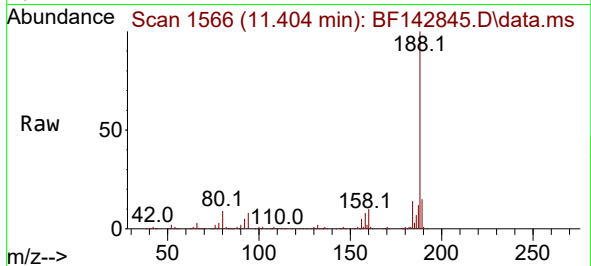




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

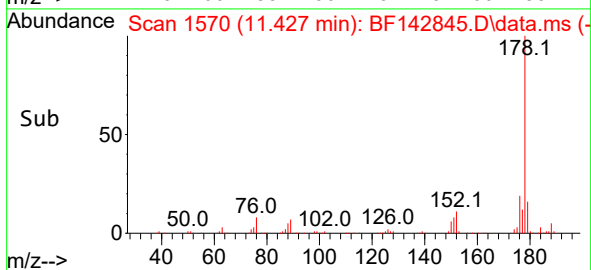
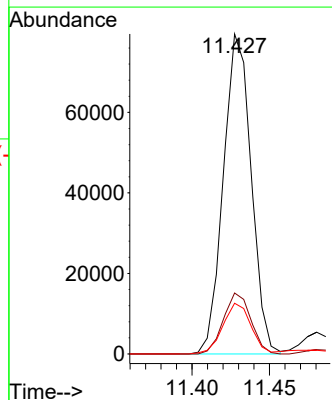
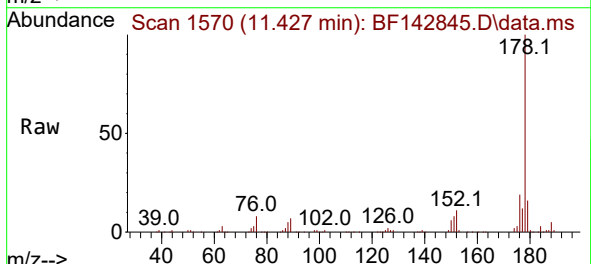
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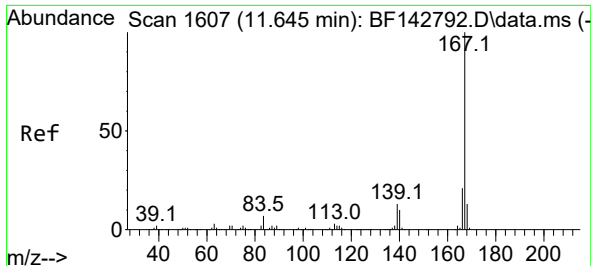
Tgt Ion:188 Resp: 221790
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 8.6 6.9 10.3



#71
Phenanthrene
Concen: 8.267 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

Tgt Ion:178 Resp: 99319
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.8 12.0 18.0

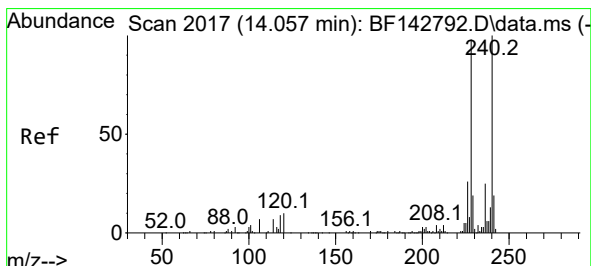
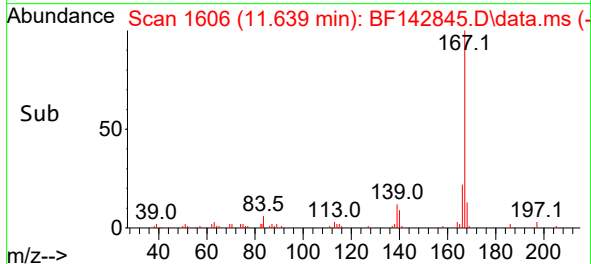
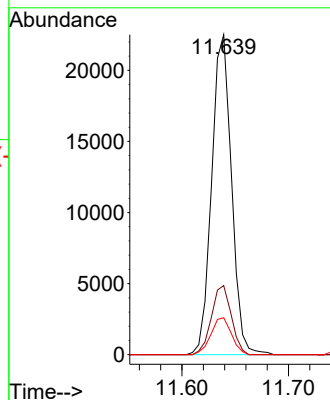
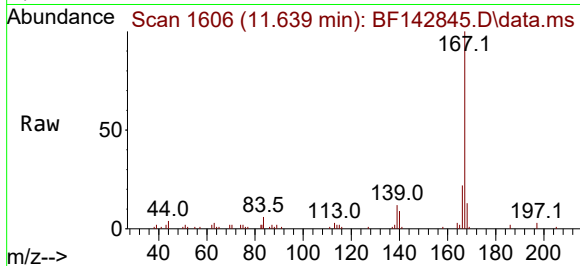




#73
 Carbazole
 Concen: 2.739 ng
 RT: 11.639 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF142845.D
 Acq: 25 Jun 2025 19:06

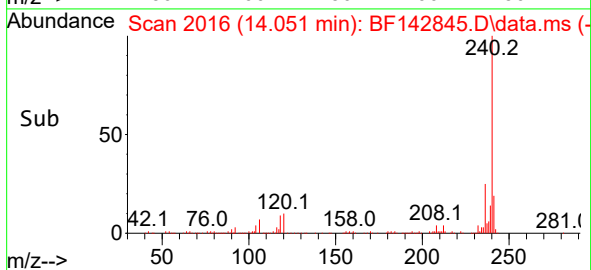
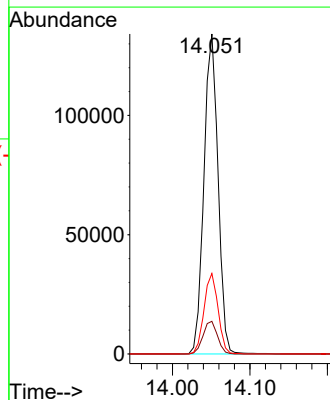
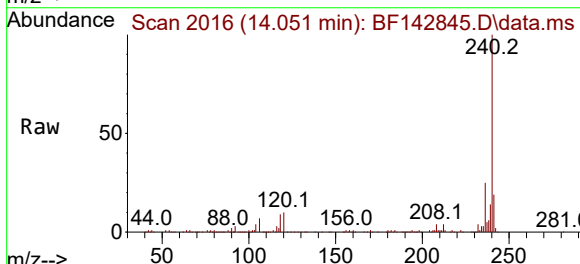
Instrument :
 BNA_F
 ClientSampleId :
 SU-1-062025

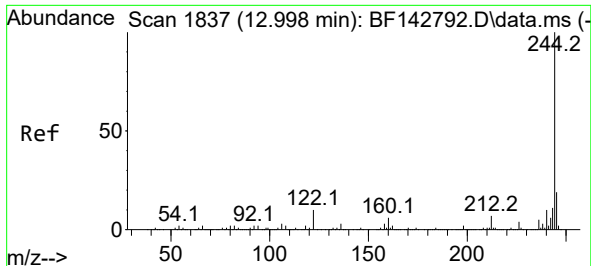
Tgt Ion:167 Resp: 29125
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.0 25.4
 139 11.6 10.2 15.2



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF142845.D
 Acq: 25 Jun 2025 19:06

Tgt Ion:240 Resp: 169503
 Ion Ratio Lower Upper
 240 100
 120 10.2 8.2 12.2
 236 25.2 19.8 29.8

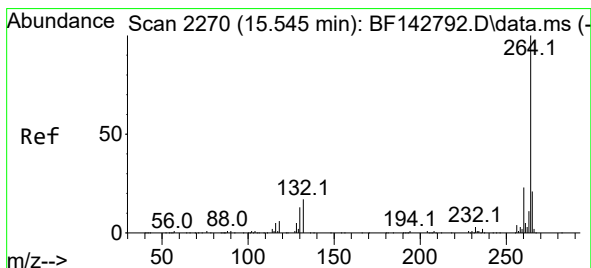
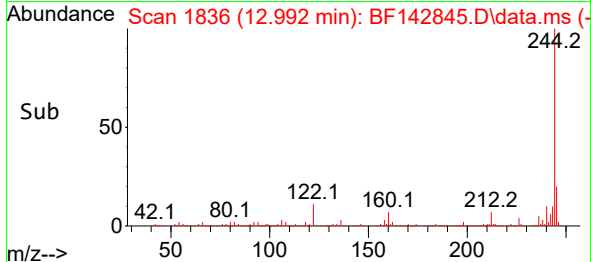
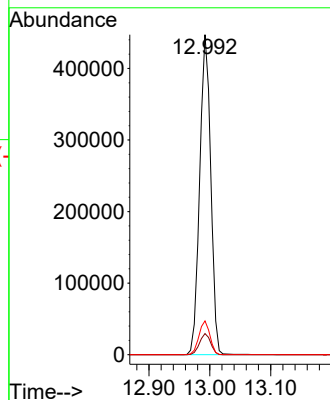
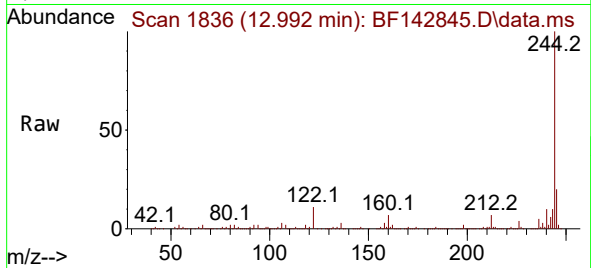




#79
 Terphenyl-d14
 Concen: 45.999 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142845.D
 Acq: 25 Jun 2025 19:06

Instrument :
 BNA_F
 ClientSampleId :
 SU-1-062025

Tgt Ion:244 Resp: 564301
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.5 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF142845.D
 Acq: 25 Jun 2025 19:06

Tgt Ion:264 Resp: 183109
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.1 27.1
 265 20.9 16.6 25.0

