

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142484.D
 Acq On : 21 May 2025 13:40
 Operator : RC/JU
 Sample : Q2074-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-19

Quant Time: May 21 14:38:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

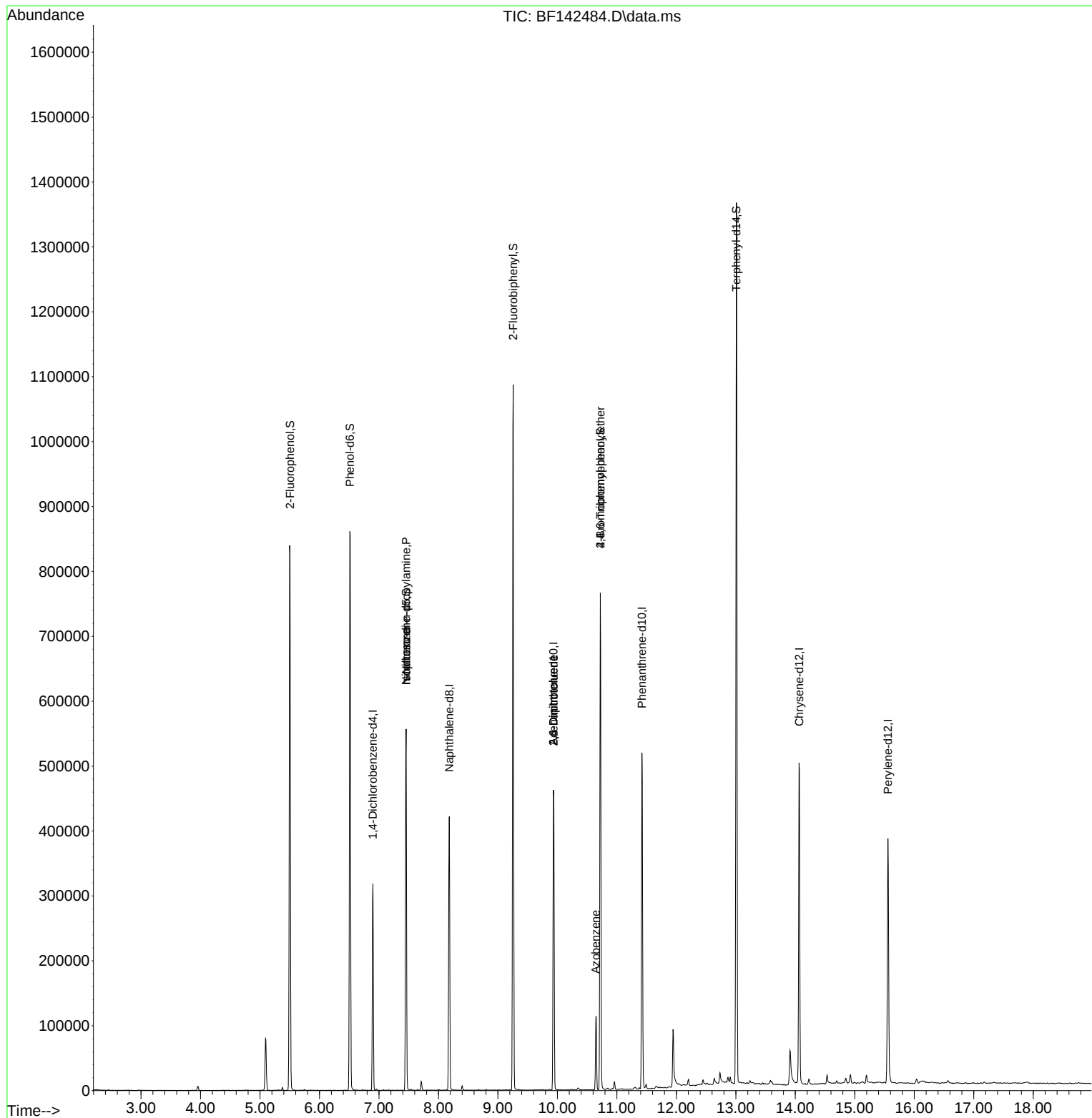
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	68503	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	265449	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	143783	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	270138	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	248278	20.000	ng	0.00
86) Perylene-d12	15.557	264	222913	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	322674	79.358	ng	-0.01
7) Phenol-d6	6.510	99	397670	81.247	ng	-0.02
23) Nitrobenzene-d5	7.457	82	228983	47.038	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	132464	83.007	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	491232	45.844	ng	-0.01
79) Terphenyl-d14	13.010	244	641662	35.318	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	30407	10.024	ng	# 77
25) Isophorone	7.457	82	214643	26.372	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	18243	8.909	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	18243	6.822	ng	# 27
63) Azobenzene	10.645	77	27630	3.320	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	8082	2.530	ng	# 1

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

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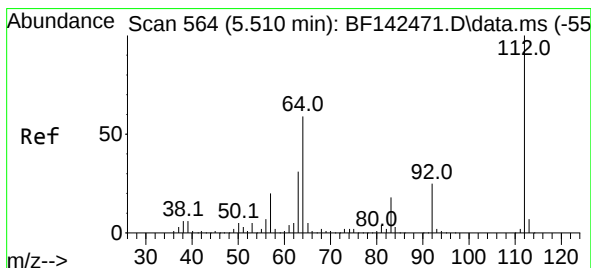
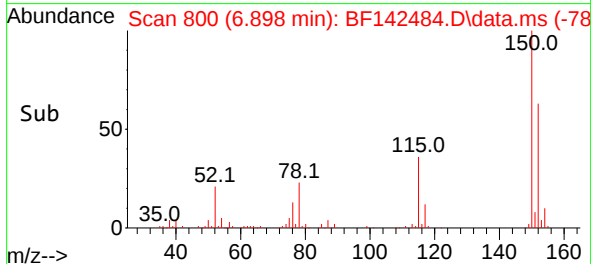
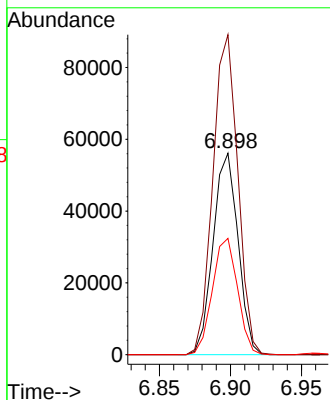
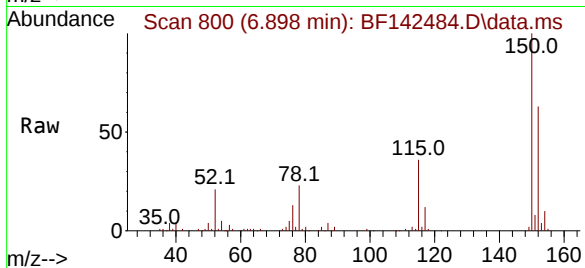




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142484.D
Acq: 21 May 2025 13:40

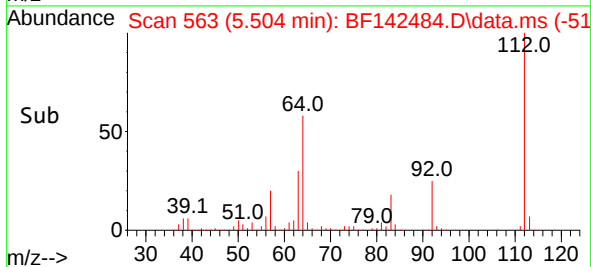
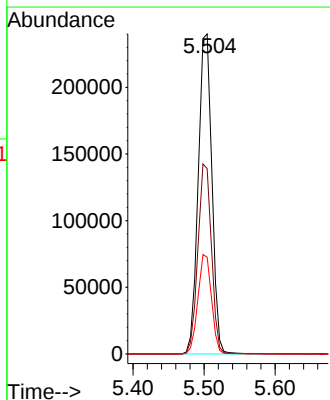
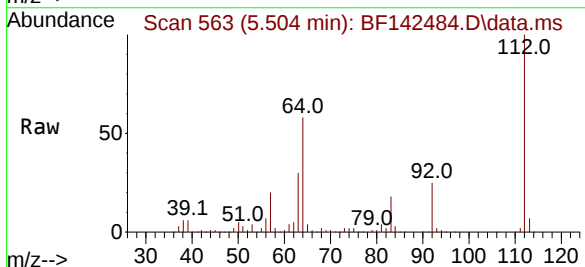
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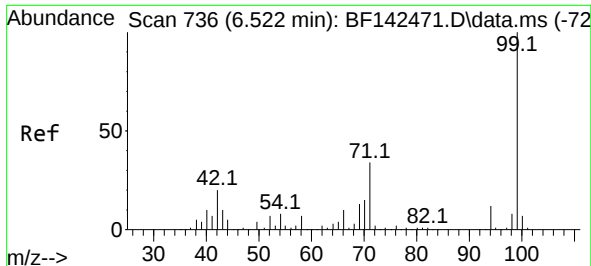
Tgt Ion:152 Resp: 68503
Ion Ratio Lower Upper
152 100
150 158.8 128.2 192.4
115 57.7 48.3 72.5



#5
2-Fluorophenol
Concen: 79.358 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142484.D
Acq: 21 May 2025 13:40

Tgt Ion:112 Resp: 322674
Ion Ratio Lower Upper
112 100
64 57.9 47.5 71.3
63 30.3 24.9 37.3

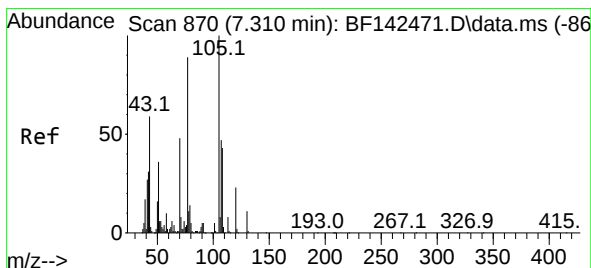
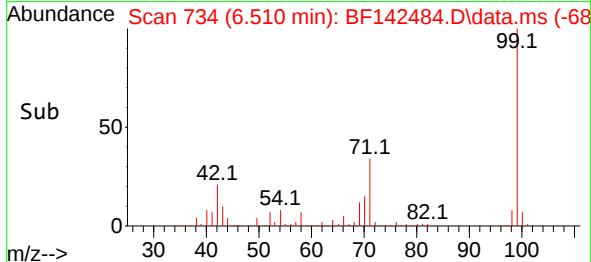
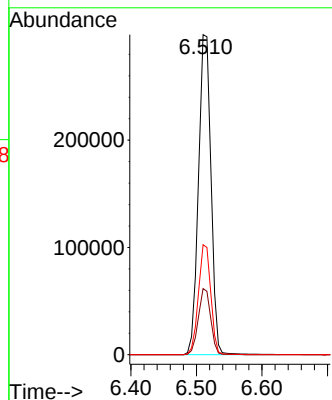
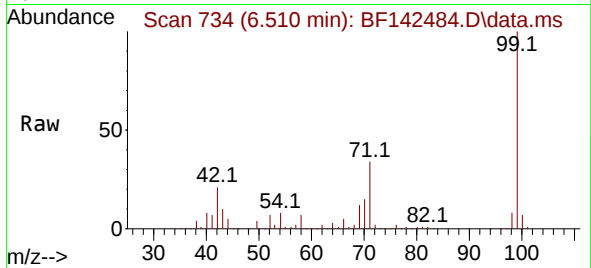




#7
Phenol-d6
Concen: 81.247 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF142484.D
Acq: 21 May 2025 13:40

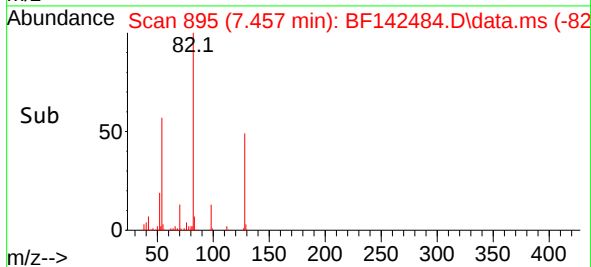
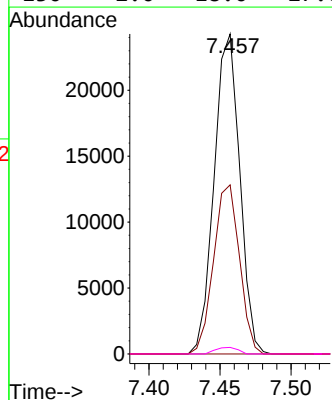
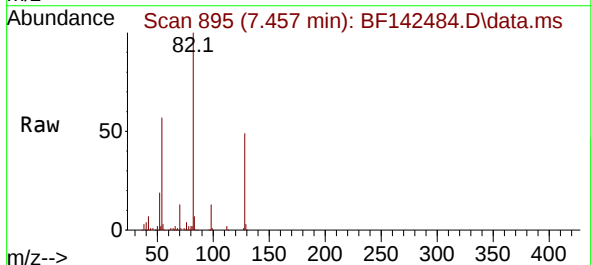
Instrument :
BNA_F
ClientSampleId :
TP-19

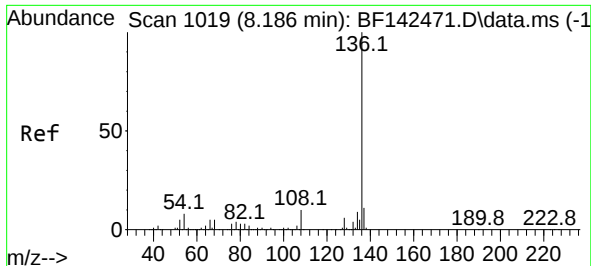
Tgt Ion: 99 Resp: 397670
Ion Ratio Lower Upper
99 100
42 20.6 16.2 24.2
71 34.3 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.024 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142484.D
Acq: 21 May 2025 13:40

Tgt Ion: 70 Resp: 30407
Ion Ratio Lower Upper
70 100
42 52.9 52.4 78.6
101 0.0 7.8 11.8#
130 2.0 18.0 27.0#

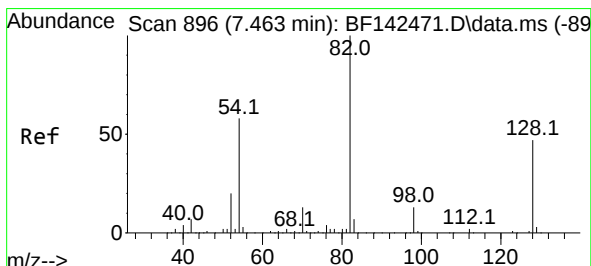
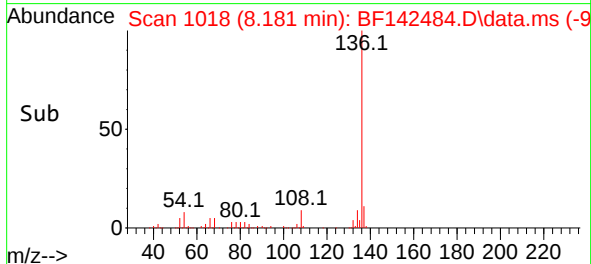
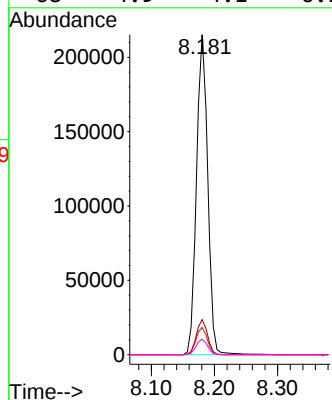
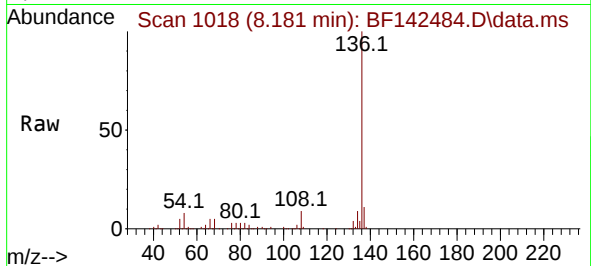




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142484.D
Acq: 21 May 2025 13:40

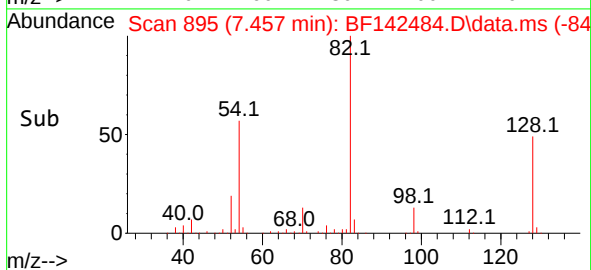
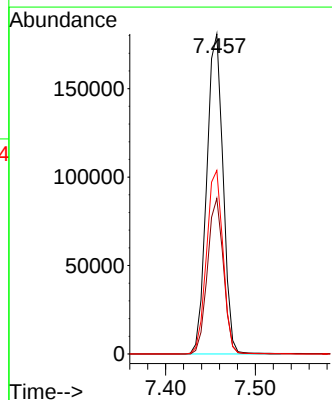
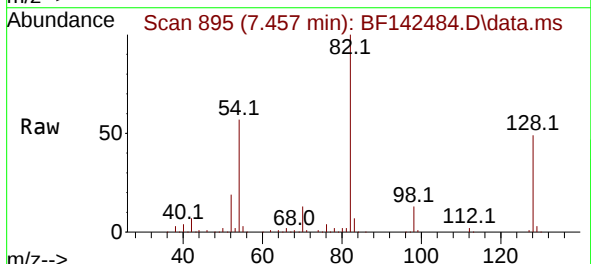
Instrument :
BNA_F
ClientSampleId :
TP-19

Tgt Ion:136 Resp: 265449
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.5 6.6 10.0
68 4.9 4.1 6.1



#23
Nitrobenzene-d5
Concen: 47.038 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142484.D
Acq: 21 May 2025 13:40

Tgt Ion: 82 Resp: 228983
Ion Ratio Lower Upper
82 100
128 48.6 37.4 56.2
54 57.4 46.6 70.0

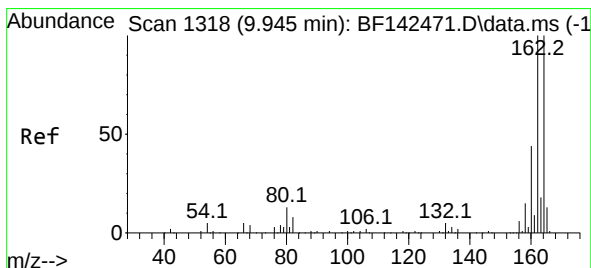
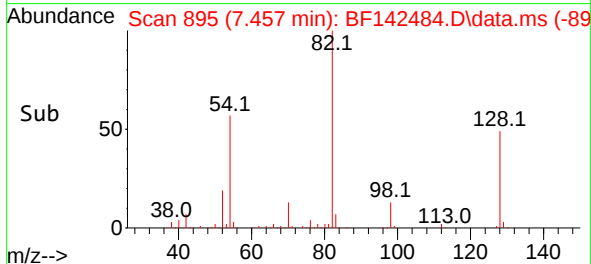
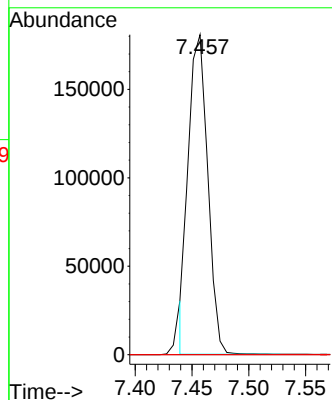
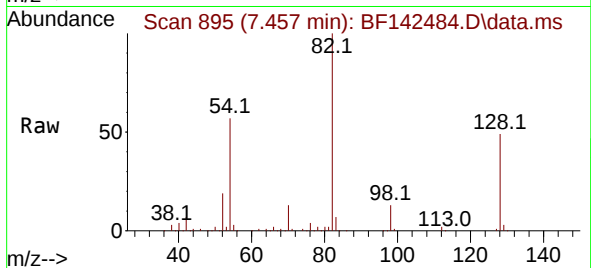




#25
Isophorone
Concen: 26.372 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142484.D
Acq: 21 May 2025 13:40

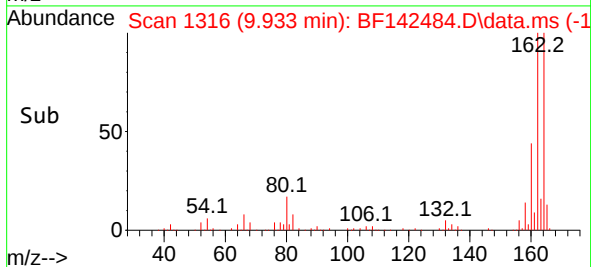
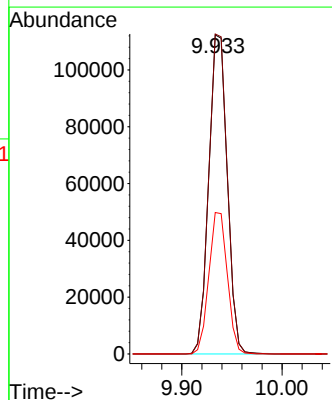
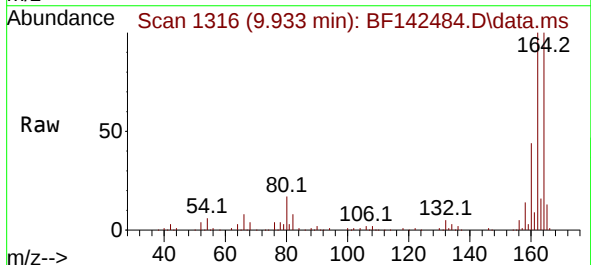
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ClientSampleId :
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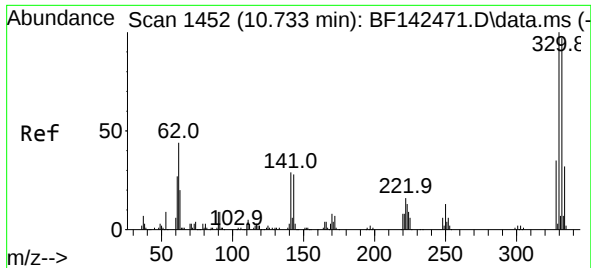
Tgt Ion: 82 Resp: 214643
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142484.D
Acq: 21 May 2025 13:40

Tgt Ion:164 Resp: 143783
Ion Ratio Lower Upper
164 100
162 100.3 80.2 120.4
160 44.3 35.6 53.4

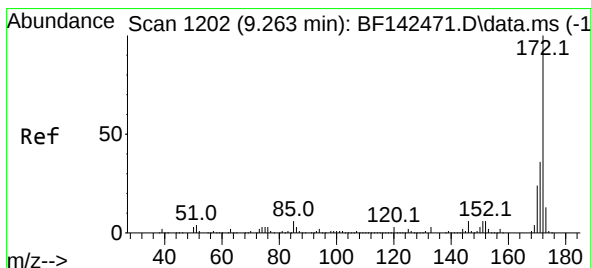
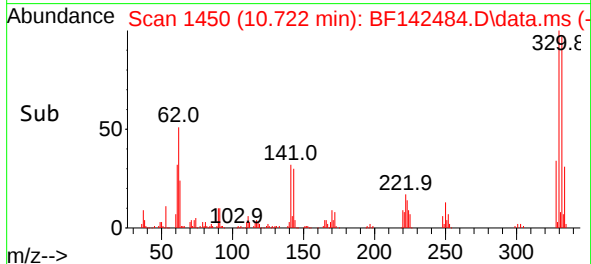
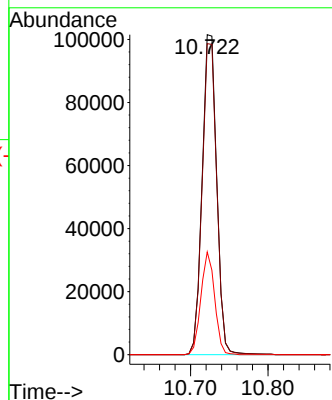
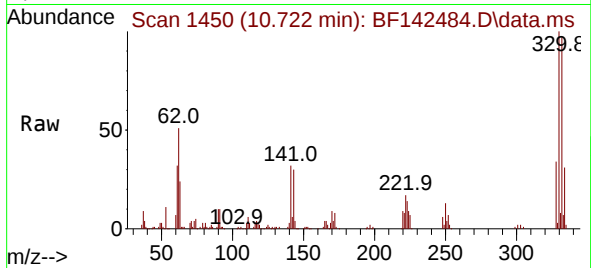




#42
2,4,6-Tribromophenol
Concen: 83.007 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF142484.D
Acq: 21 May 2025 13:40

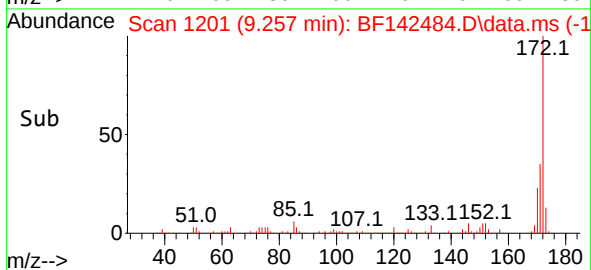
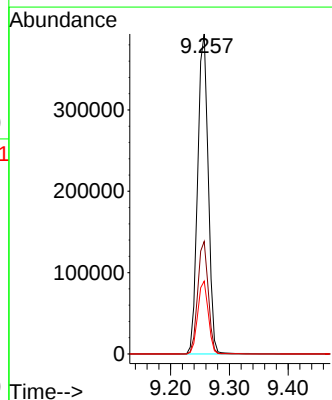
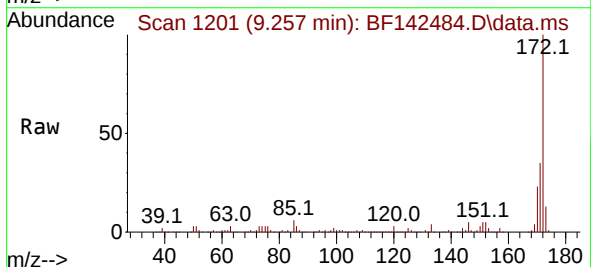
Instrument :
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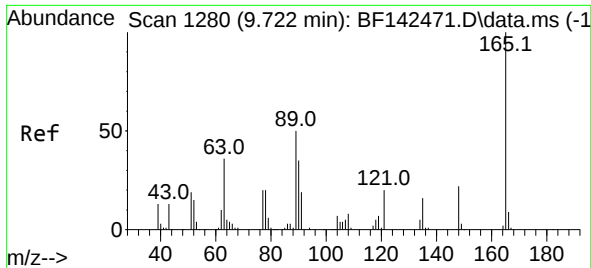
Tgt Ion: 330 Resp: 132464
Ion Ratio Lower Upper
330 100
332 97.6 77.6 116.4
141 30.3 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 45.844 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142484.D
Acq: 21 May 2025 13:40

Tgt Ion: 172 Resp: 491232
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 22.7 18.9 28.3

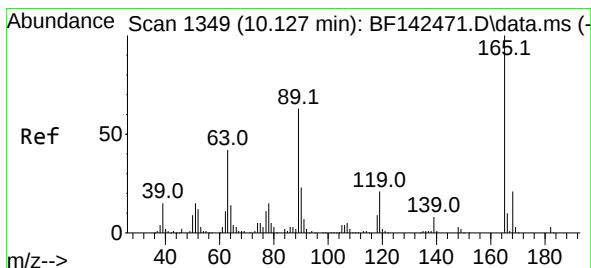
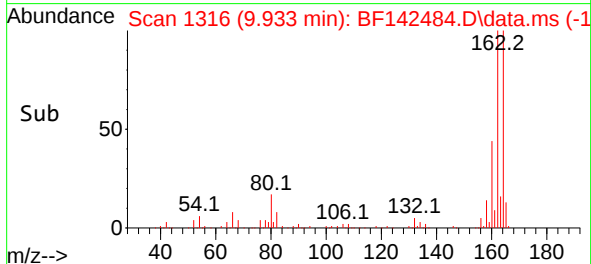
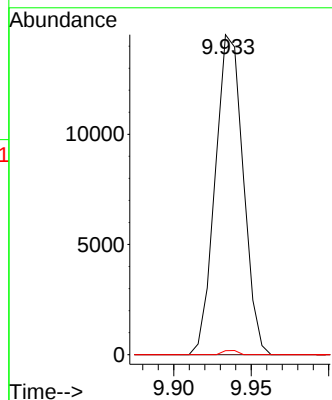
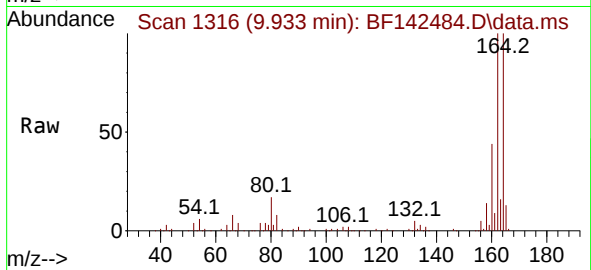




#51
2,6-Dinitrotoluene
Concen: 8.909 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142484.D
Acq: 21 May 2025 13:40

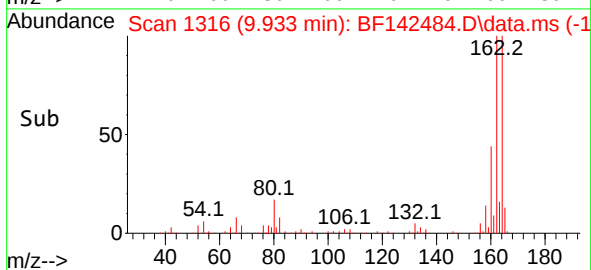
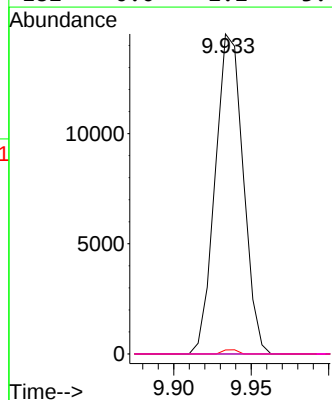
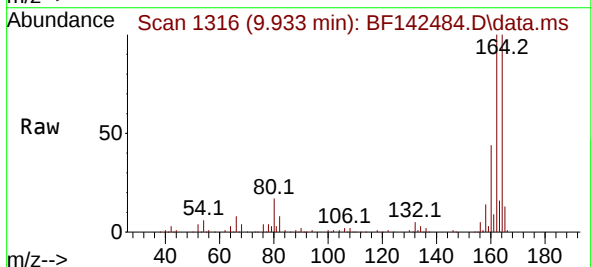
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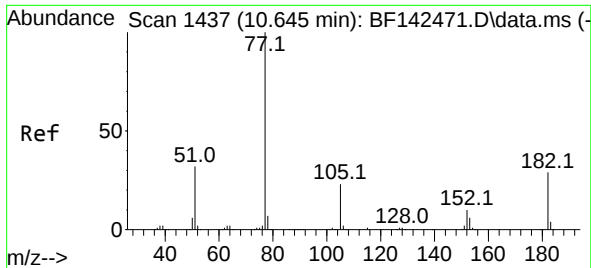
Tgt Ion:165 Resp: 18243
Ion Ratio Lower Upper
165 100
63 0.0 42.9 64.3#
89 1.2 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.822 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142484.D
Acq: 21 May 2025 13:40

Tgt Ion:165 Resp: 18243
Ion Ratio Lower Upper
165 100
63 0.0 33.6 50.4#
89 1.2 50.2 75.4#
182 0.0 2.2 3.4#

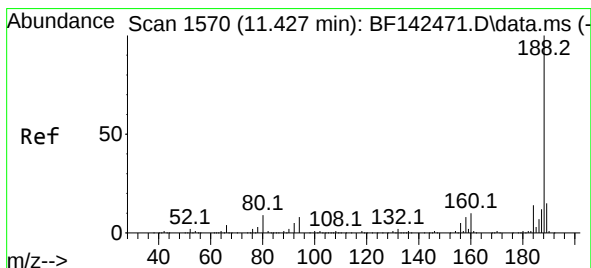
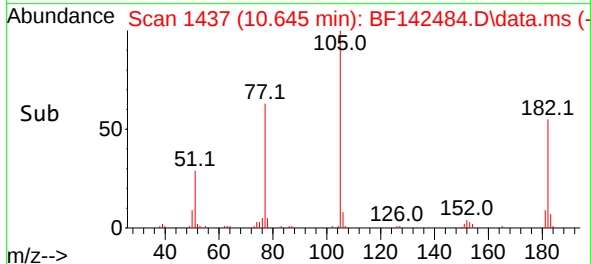
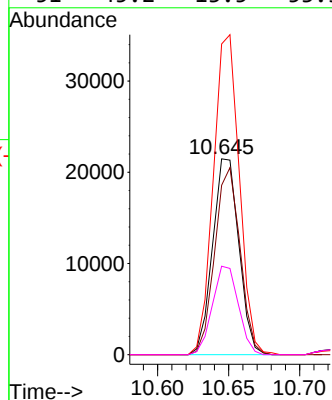
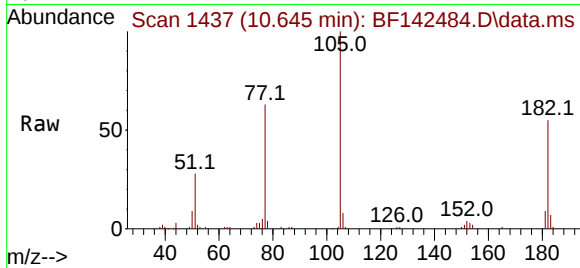




#63
Azobenzene
Concen: 3.320 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142484.D
Acq: 21 May 2025 13:40

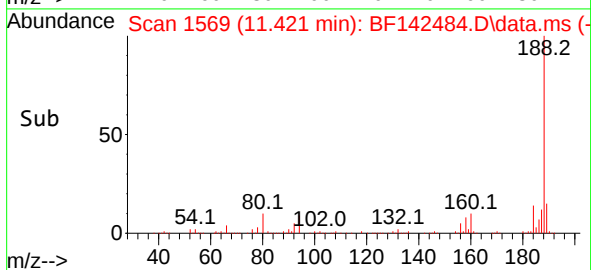
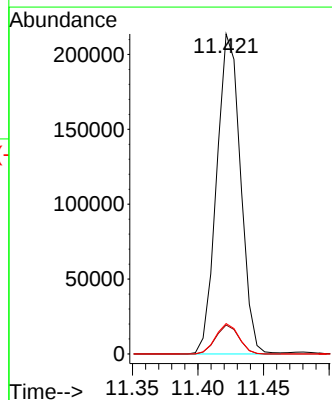
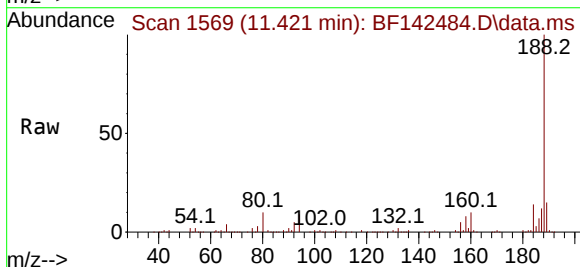
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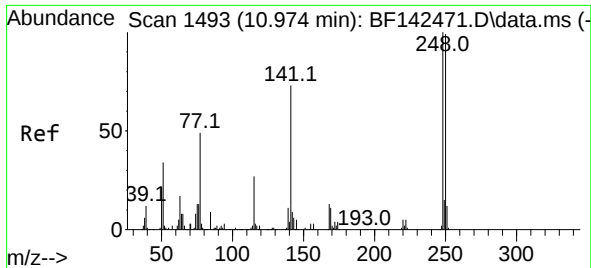
Tgt Ion: 77	Resp: 27630
Ion Ratio	Lower Upper
77	100
182	86.5 9.0 49.0#
105	158.6 2.4 42.4#
51	45.2 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142484.D
Acq: 21 May 2025 13:40

Tgt Ion: 188	Resp: 270138
Ion Ratio	Lower Upper
188	100
94	9.0 6.6 10.0
80	9.5 7.4 11.0

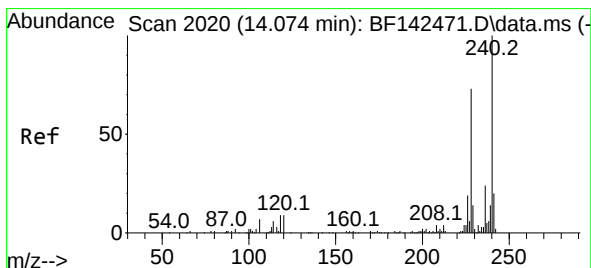
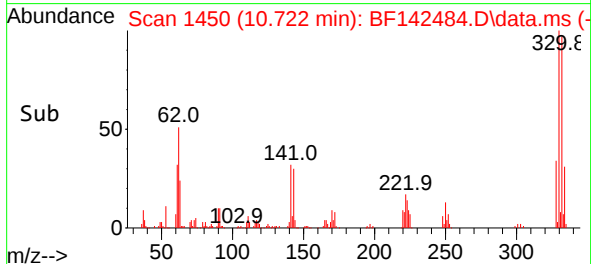
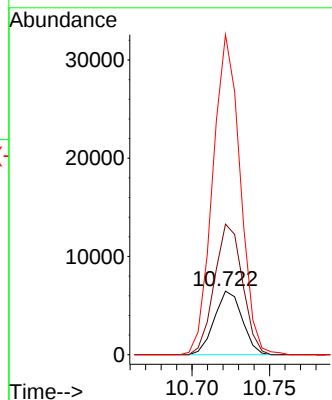
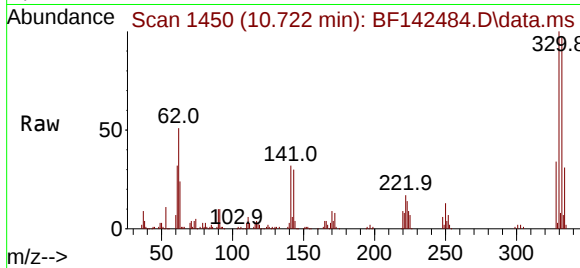




#67
4-Bromophenyl-phenylether
Concen: 2.530 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142484.D
Acq: 21 May 2025 13:40

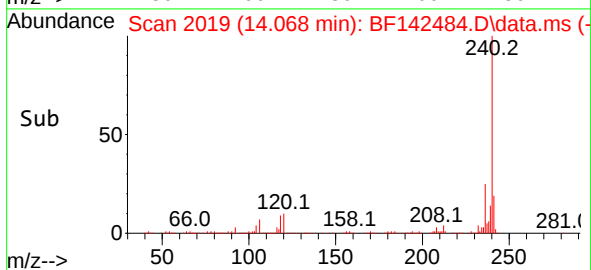
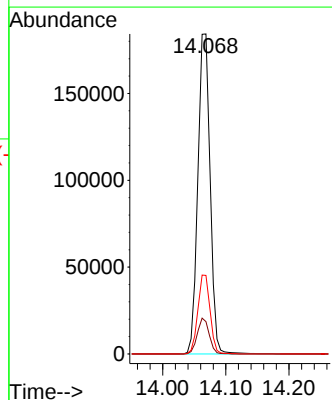
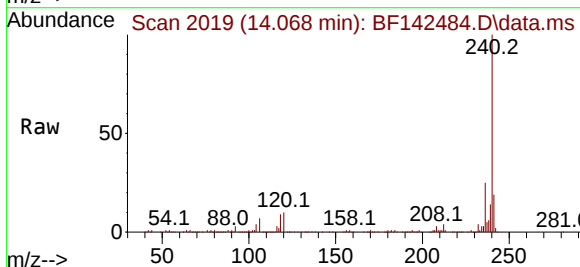
Instrument :
BNA_F
ClientSampleId :
TP-19

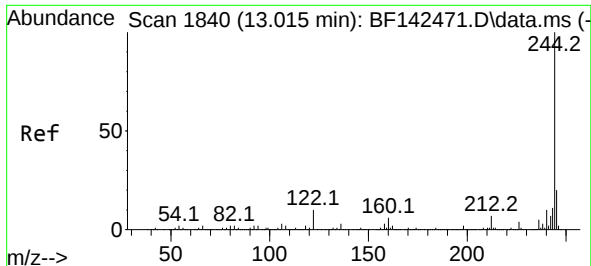
Tgt Ion:248 Resp: 8082
Ion Ratio Lower Upper
248 100
250 205.9 79.0 118.4#
141 504.3 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142484.D
Acq: 21 May 2025 13:40

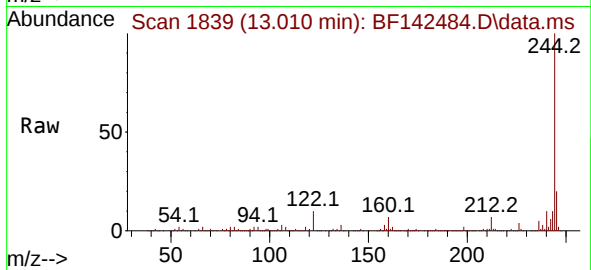
Tgt Ion:240 Resp: 248278
Ion Ratio Lower Upper
240 100
120 10.1 7.5 11.3
236 24.6 19.6 29.4



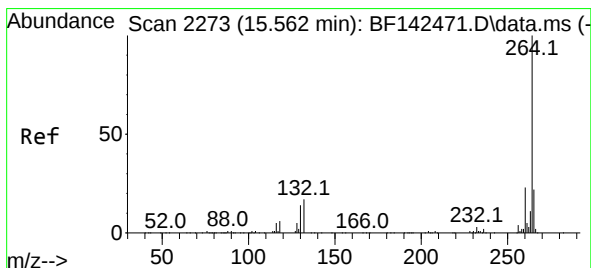
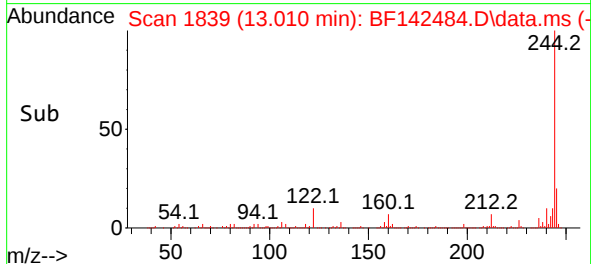
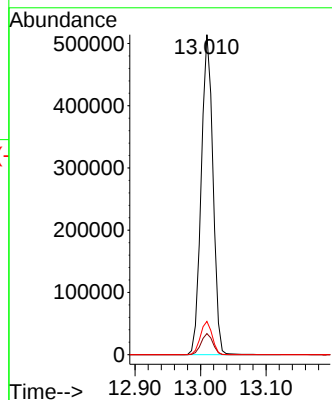


#79
 Terphenyl-d14
 Concen: 35.318 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142484.D
 Acq: 21 May 2025 13:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-19



Tgt Ion:244 Resp: 641662
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 10.4 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. -0.012 min
 Lab File: BF142484.D
 Acq: 21 May 2025 13:40

Tgt Ion:264 Resp: 222913
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.6 28.0
 265 21.0 17.7 26.5

