

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142530.D
 Acq On : 23 May 2025 12:43
 Operator : RC/JU
 Sample : Q2100-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-45

Quant Time: May 23 13:17:10 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)

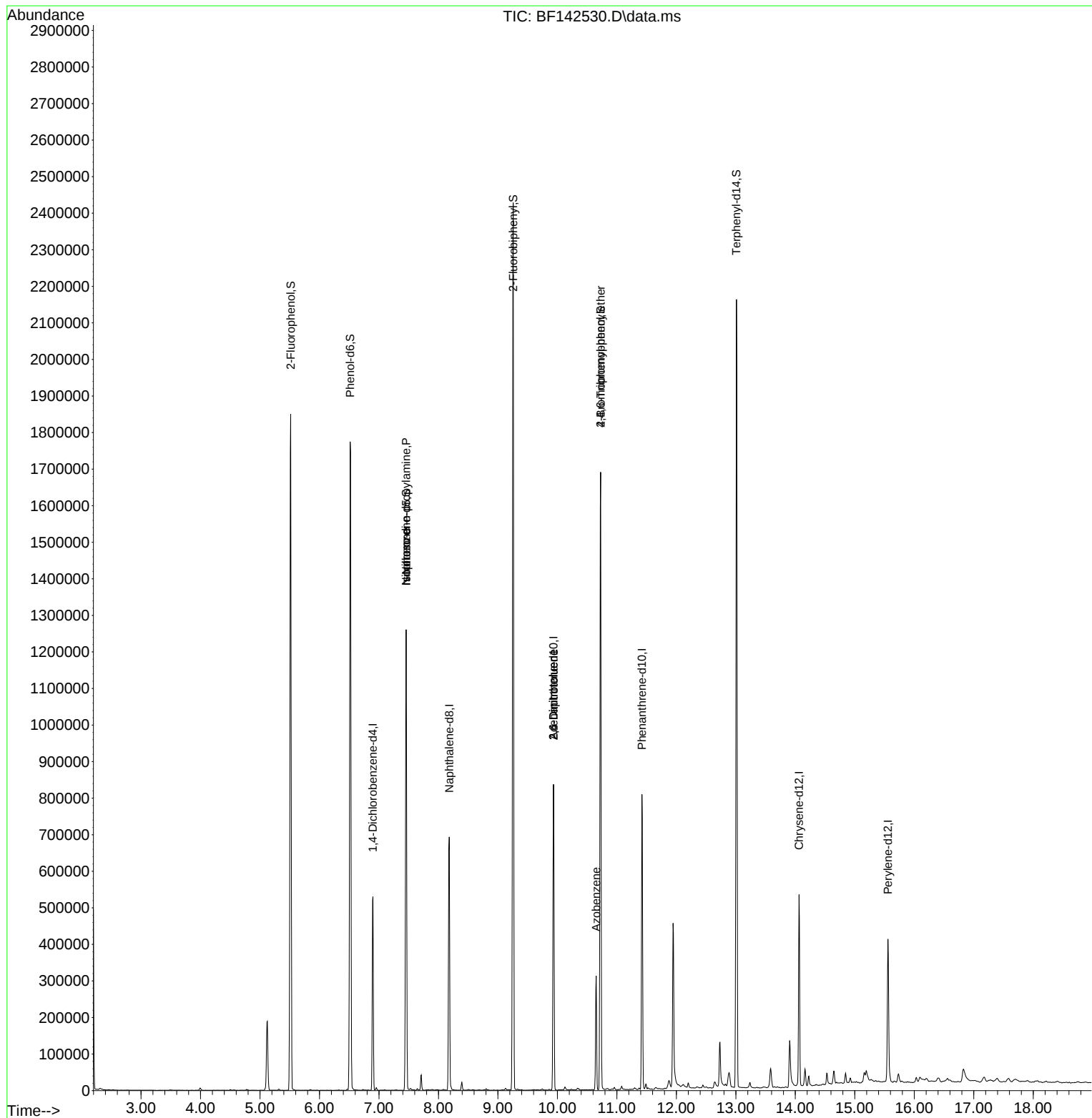
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	118740	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	456173	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	248248	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	426449	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	251802	20.000	ng	-0.01
86) Perylene-d12	15.557	264	225815	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	742208	105.309	ng	0.00
7) Phenol-d6	6.516	99	921872	108.660	ng	-0.02
23) Nitrobenzene-d5	7.457	82	559375	66.865	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	313361	113.733	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1140977	61.674	ng	-0.01
79) Terphenyl-d14	13.010	244	1073528	58.261	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	74045	14.082	ng	# 77
25) Isophorone	7.457	82	519354	37.131	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	31788	8.991	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	31788	6.885	ng	# 28
63) Azobenzene	10.651	77	73848	5.139	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	19606	3.888	ng	# 1

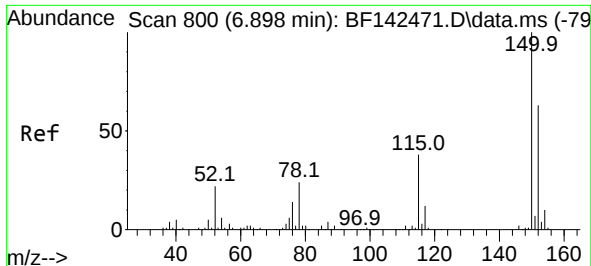
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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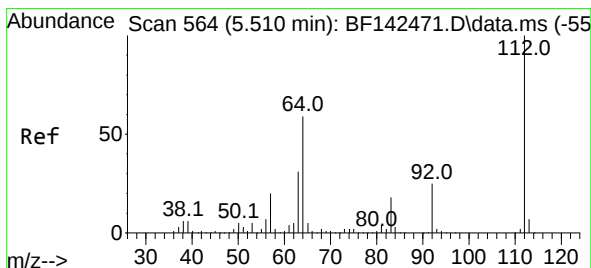
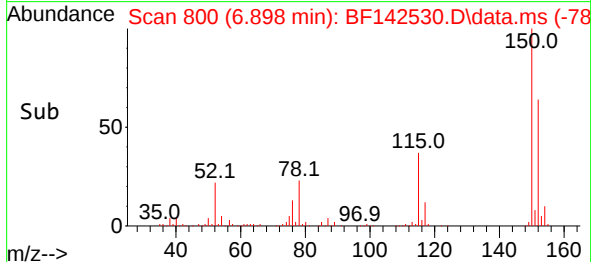
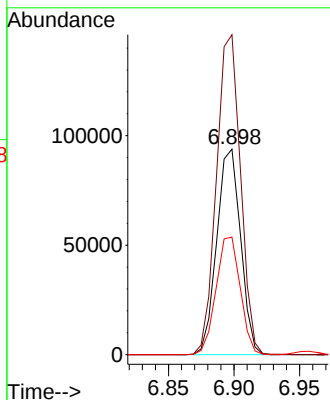
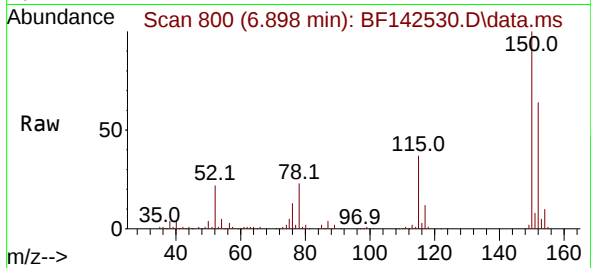




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

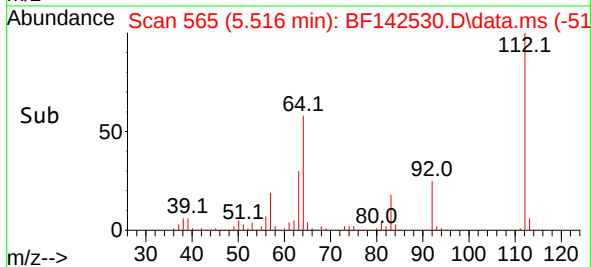
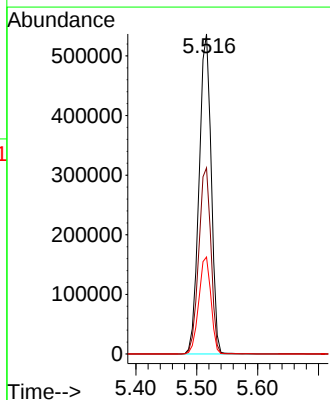
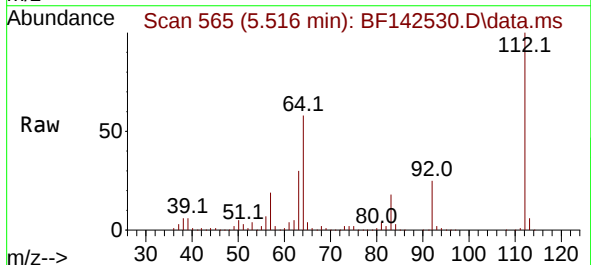
Instrument :
BNA_F
ClientSampleId :
TP-45

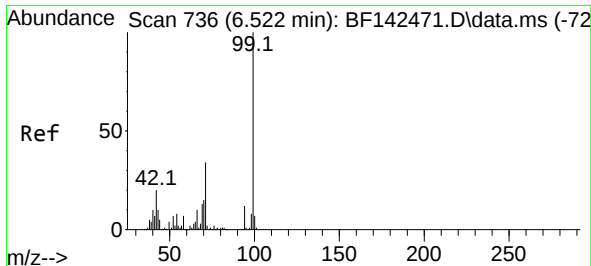
Tgt Ion:152 Resp: 118740
Ion Ratio Lower Upper
152 100
150 155.6 128.2 192.4
115 57.2 48.3 72.5



#5
2-Fluorophenol
Concen: 105.309 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

Tgt Ion:112 Resp: 742208
Ion Ratio Lower Upper
112 100
64 58.2 47.5 71.3
63 30.3 24.9 37.3





#7
Phenol-d6
Concen: 108.660 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

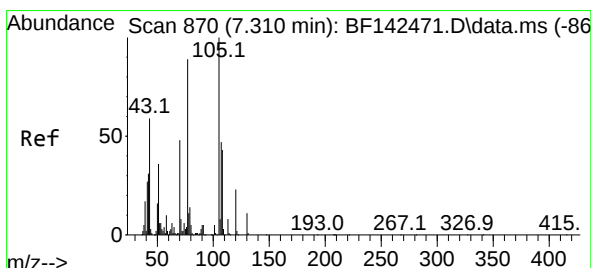
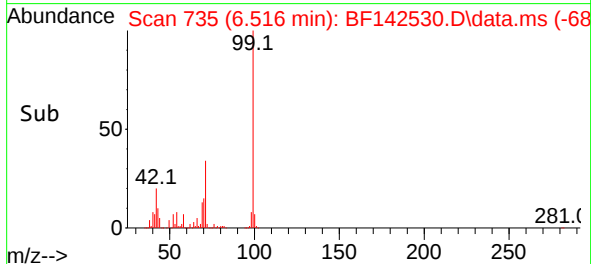
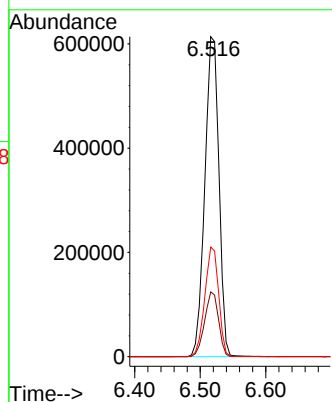
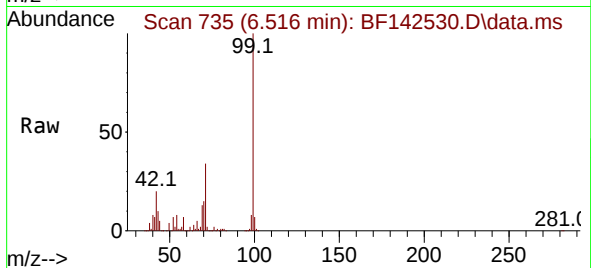
Instrument :

BNA_F

ClientSampleId :

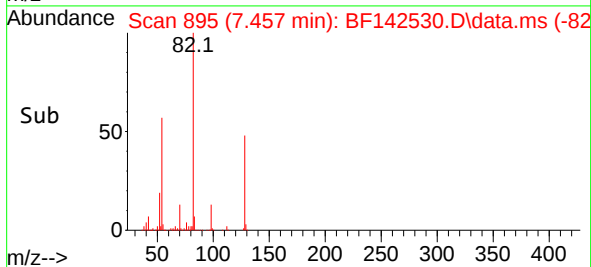
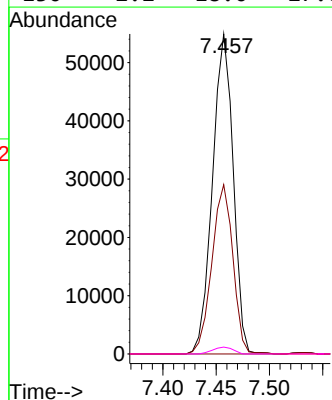
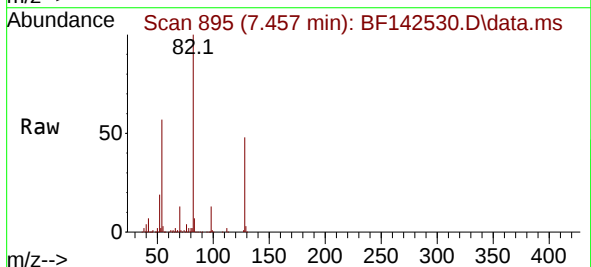
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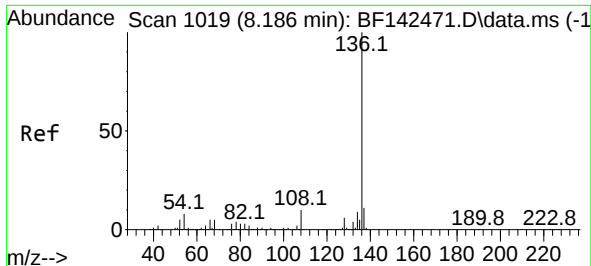
Tgt Ion: 99 Resp: 921872
Ion Ratio Lower Upper
99 100
42 20.3 16.2 24.2
71 34.2 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 14.082 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

Tgt Ion: 70 Resp: 74045
Ion Ratio Lower Upper
70 100
42 52.9 52.4 78.6
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#

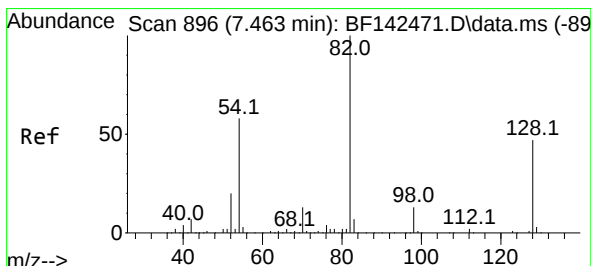
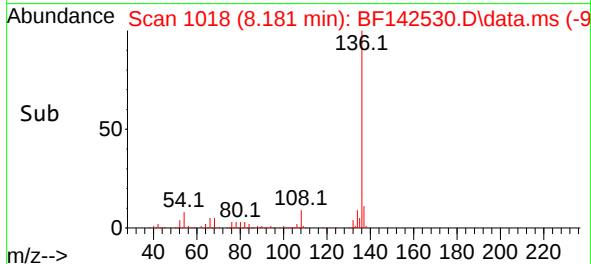
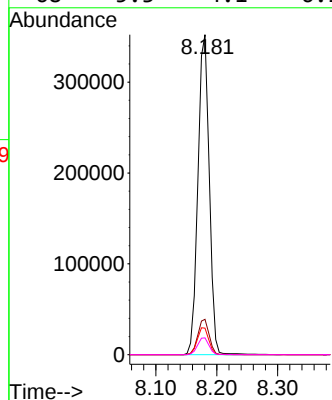
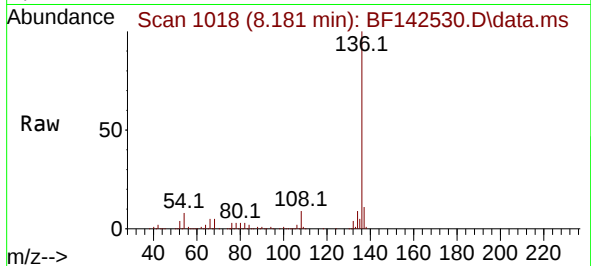




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

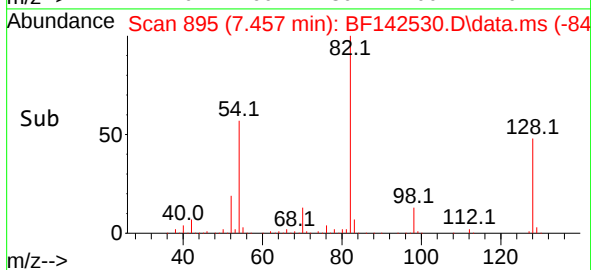
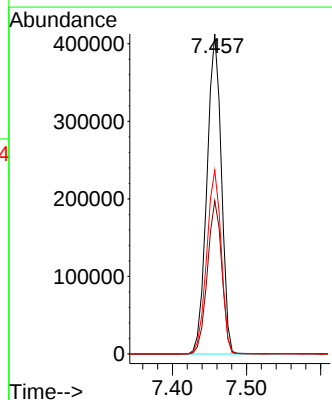
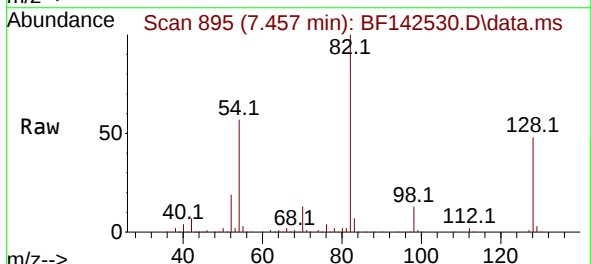
Instrument :
BNA_F
ClientSampleId :
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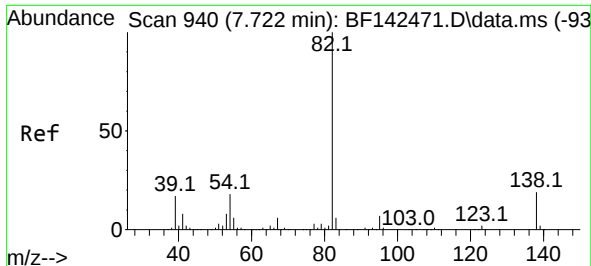
Tgt Ion:136 Resp: 456173
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.3 6.6 10.0
68 5.3 4.1 6.1



#23
Nitrobenzene-d5
Concen: 66.865 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

Tgt Ion: 82 Resp: 559375
Ion Ratio Lower Upper
82 100
128 47.9 37.4 56.2
54 57.4 46.6 70.0

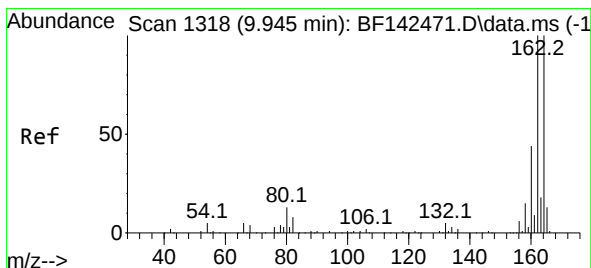
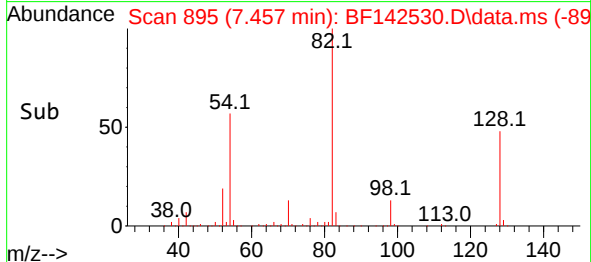
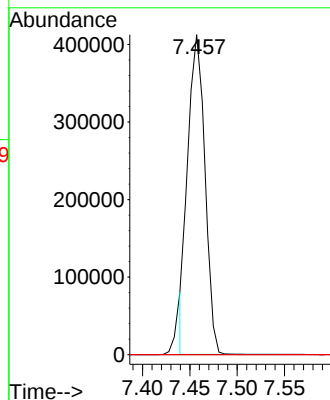
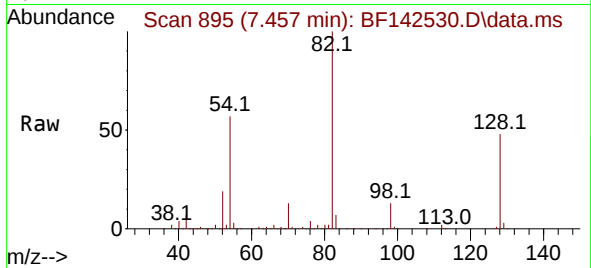




#25
Isophorone
Concen: 37.131 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

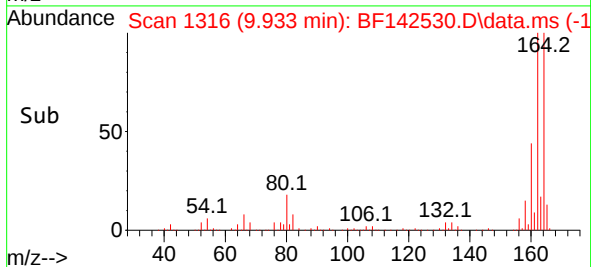
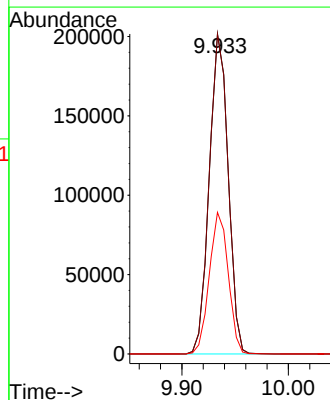
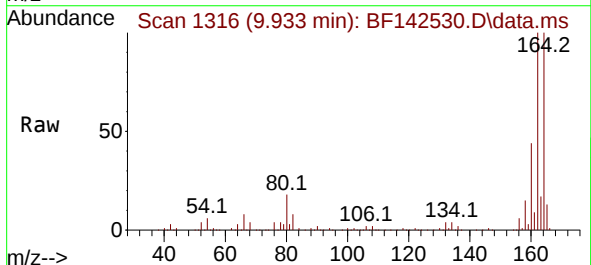
Instrument :
BNA_F
ClientSampleId :
TP-45

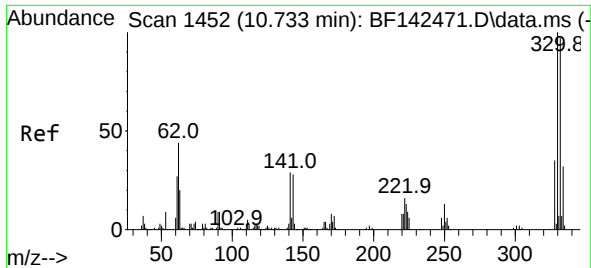
Tgt Ion: 82 Resp: 519354
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

Tgt Ion:164 Resp: 248248
Ion Ratio Lower Upper
164 100
162 100.0 80.2 120.4
160 44.3 35.6 53.4

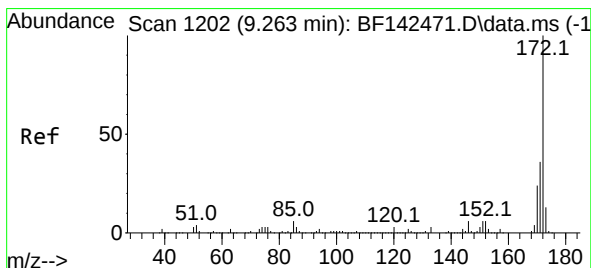
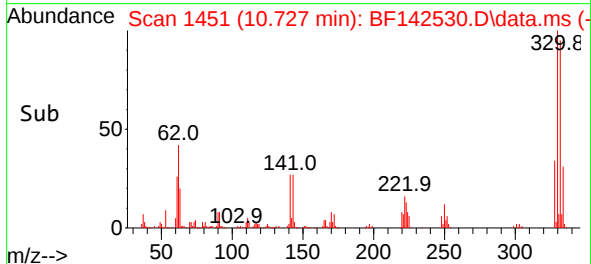
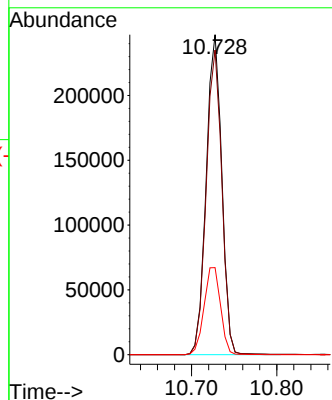
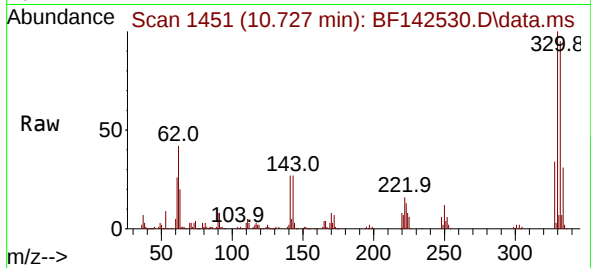




#42
2,4,6-Tribromophenol
Concen: 113.733 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

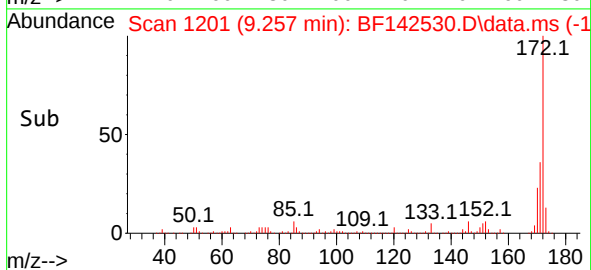
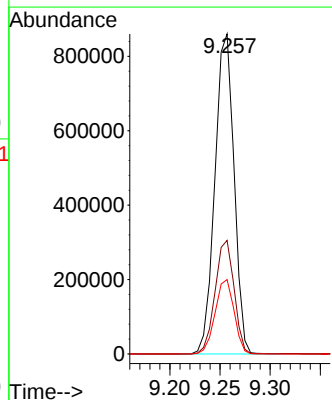
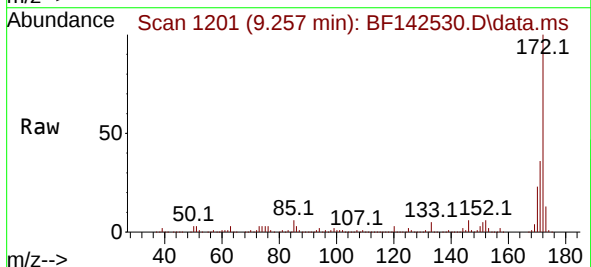
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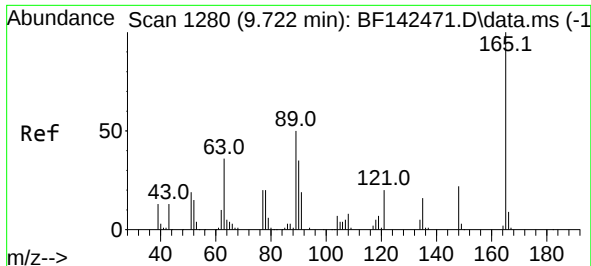
Tgt Ion:330 Resp: 313361
Ion Ratio Lower Upper
330 100
332 95.5 77.6 116.4
141 28.9 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 61.674 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

Tgt Ion:172 Resp: 1140977
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.3 18.9 28.3

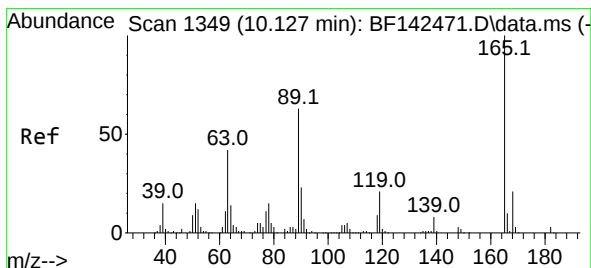
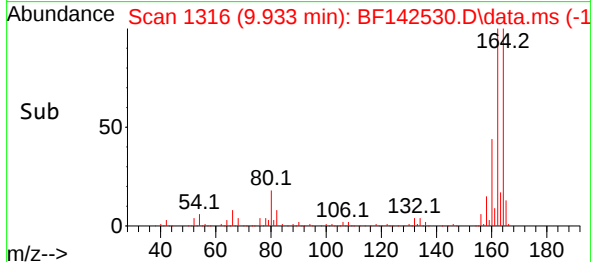
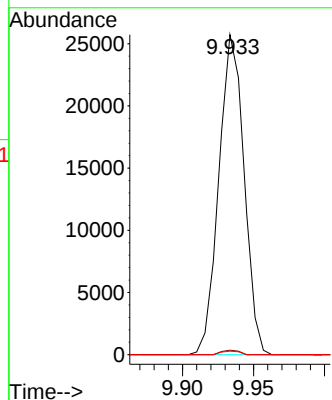
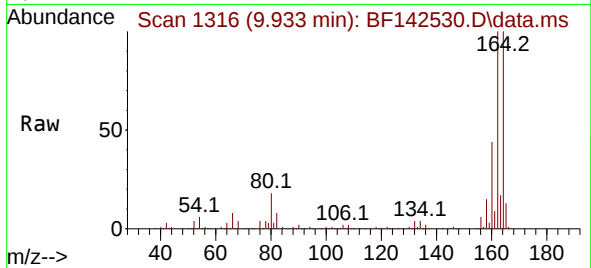




#51
2,6-Dinitrotoluene
Concen: 8.991 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

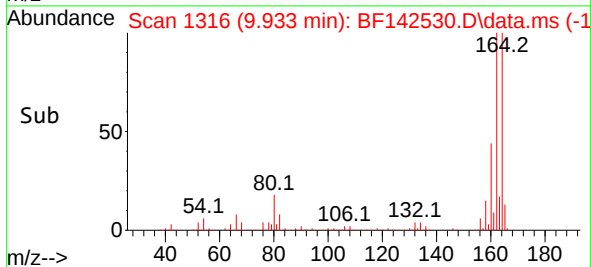
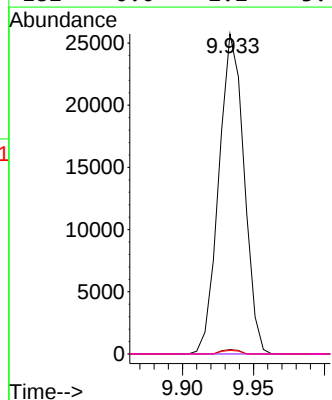
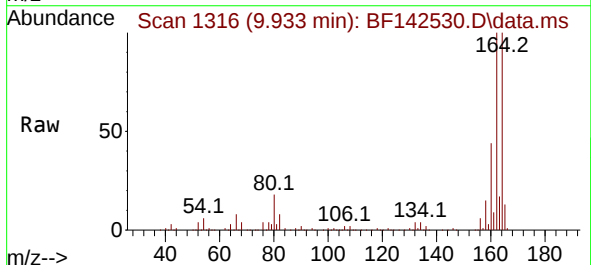
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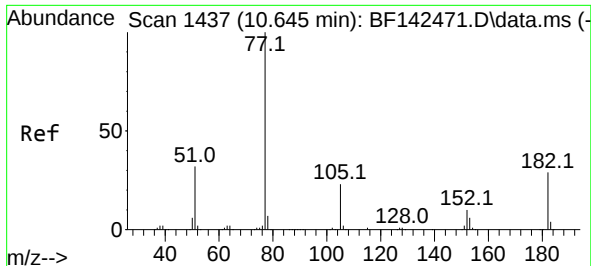
Tgt Ion:165 Resp: 31788
Ion Ratio Lower Upper
165 100
63 1.4 42.9 64.3#
89 1.1 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.885 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

Tgt Ion:165 Resp: 31788
Ion Ratio Lower Upper
165 100
63 1.4 33.6 50.4#
89 1.1 50.2 75.4#
182 0.0 2.2 3.4#

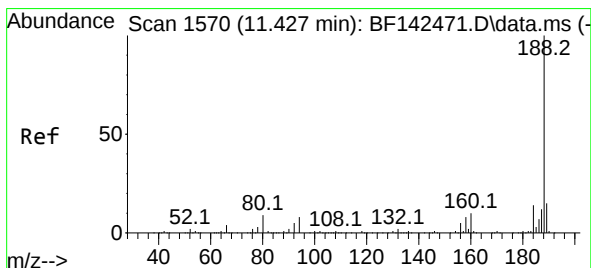
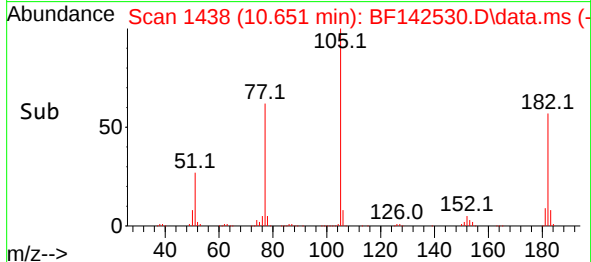
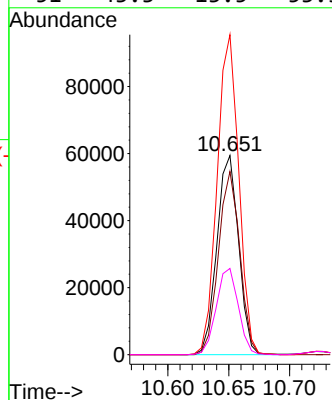
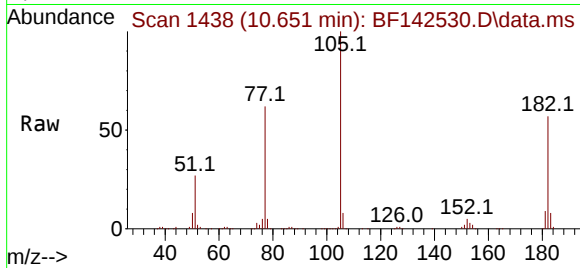




#63
Azobenzene
Concen: 5.139 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

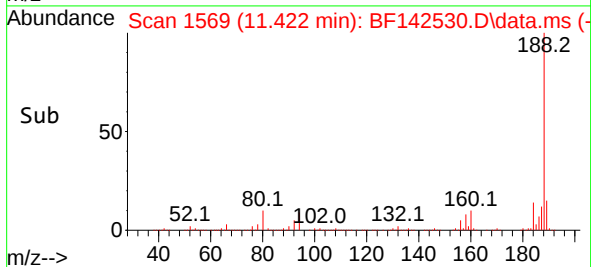
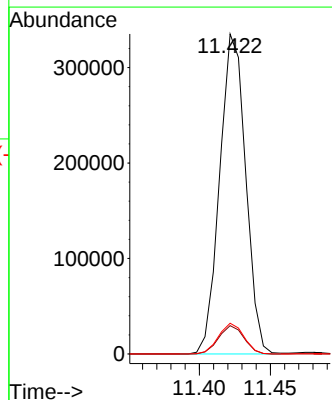
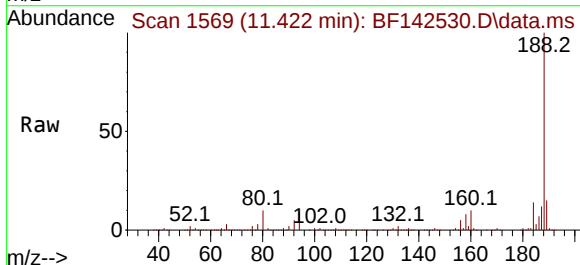
Instrument :
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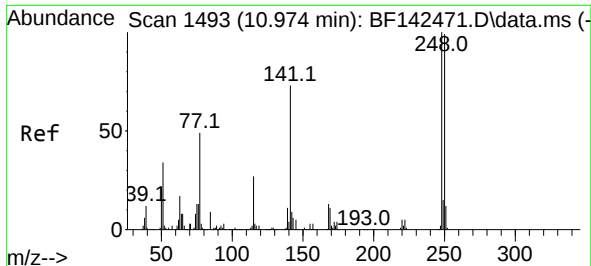
Tgt Ion: 77 Resp: 73848
Ion Ratio Lower Upper
77 100
182 92.0 9.0 49.0#
105 160.6 2.4 42.4#
51 43.3 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

Tgt Ion:188 Resp: 426449
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.6 7.4 11.0

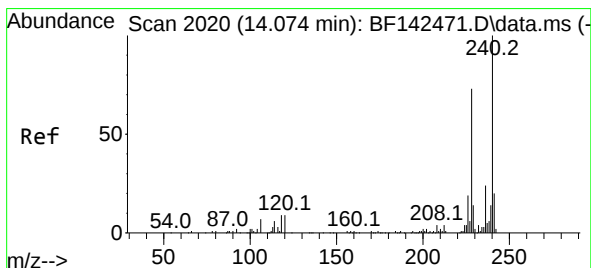
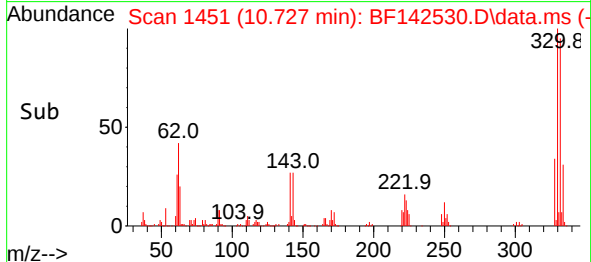
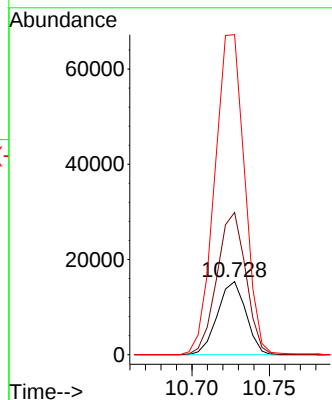
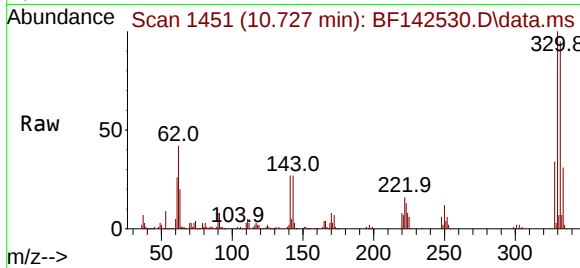




#67
4-Bromophenyl-phenylether
Concen: 3.888 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

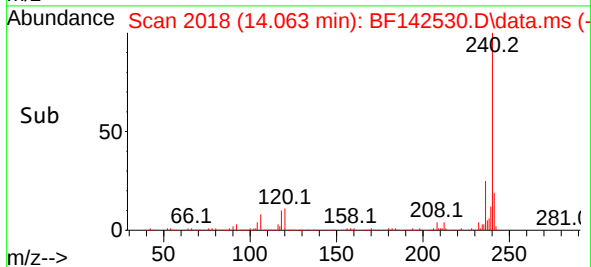
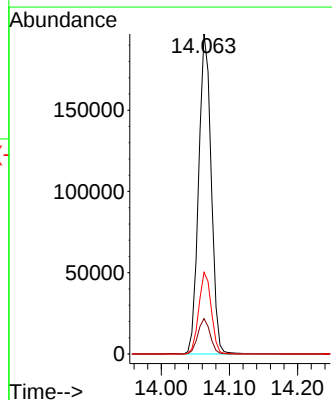
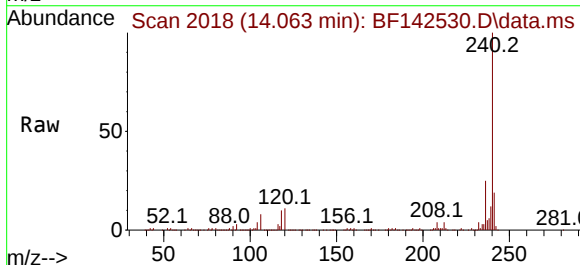
Instrument :
BNA_F
ClientSampleId :
TP-45

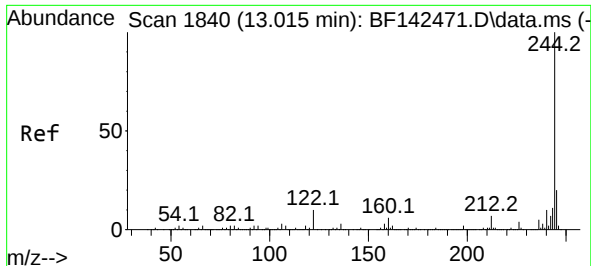
Tgt Ion:248 Resp: 19606
Ion Ratio Lower Upper
248 100
250 194.6 79.0 118.4#
141 437.9 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

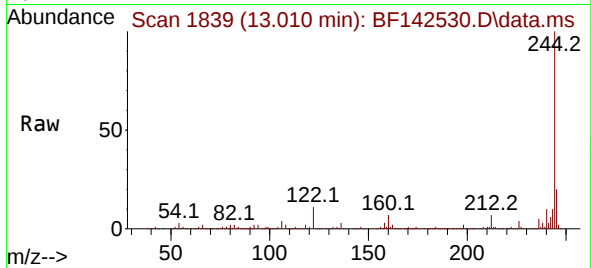
Tgt Ion:240 Resp: 251802
Ion Ratio Lower Upper
240 100
120 11.0 7.5 11.3
236 25.5 19.6 29.4



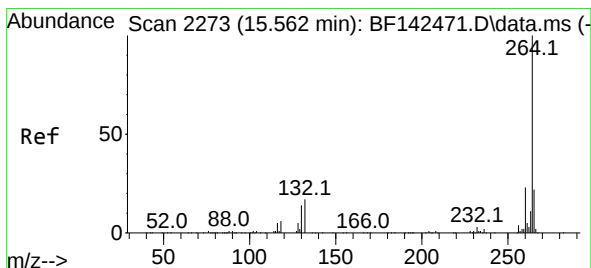
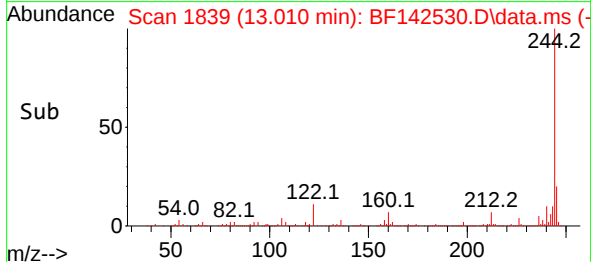
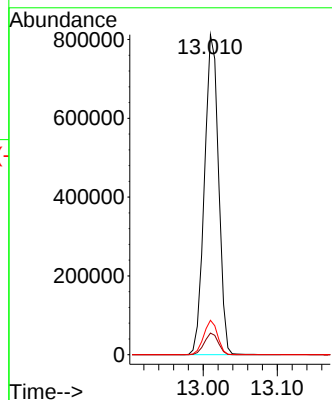


#79
Terphenyl-d14
Concen: 58.261 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142530.D
Acq: 23 May 2025 12:43

Instrument :
BNA_F
ClientSampleId :
TP-45



Tgt Ion:244 Resp: 1073528
Ion Ratio Lower Upper
244 100
212 6.7 5.3 7.9
122 10.8 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: BF142530.D
Acq: 23 May 2025 12:43

Tgt Ion:264 Resp: 225815
Ion Ratio Lower Upper
264 100
260 22.9 18.6 28.0
265 21.6 17.7 26.5

