

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142536.D
 Acq On : 23 May 2025 15:37
 Operator : RC/JU
 Sample : Q2100-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-22

Quant Time: May 23 16:39:13 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)

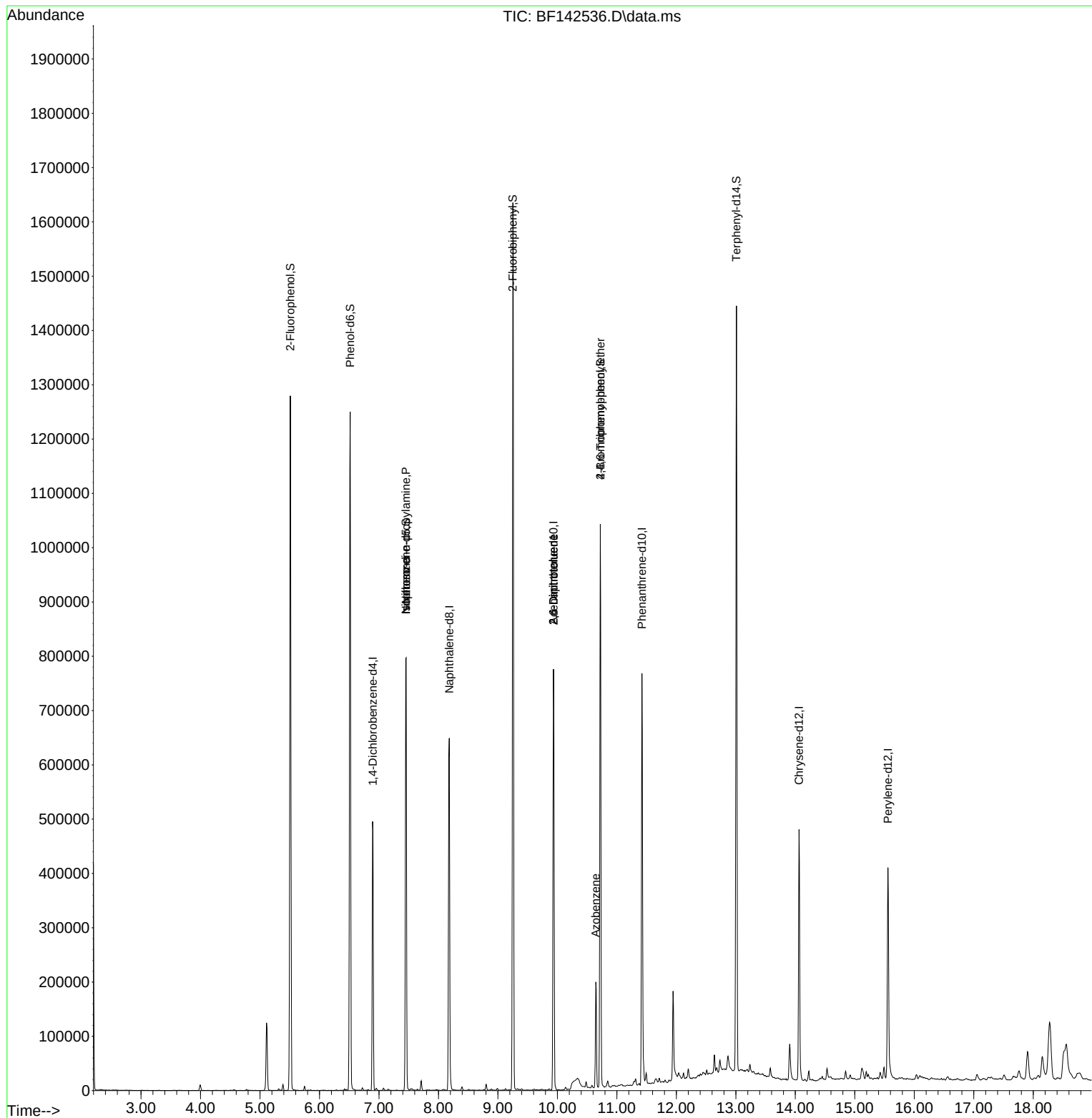
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	111473	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	430329	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	234472	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	390498	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	216372	20.000	ng	#-0.01
86) Perylene-d12	15.557	264	220082	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	476798	72.061	ng	0.00
7) Phenol-d6	6.516	99	586338	73.616	ng	-0.02
23) Nitrobenzene-d5	7.451	82	352889	44.716	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	180939	69.529	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	752874	43.086	ng	-0.02
79) Terphenyl-d14	13.010	244	677960	42.818	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	47407	9.604	ng	# 75
25) Isophorone	7.451	82	319047	24.180	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	30519	9.140	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	30519	6.998	ng	# 28
63) Azobenzene	10.645	77	46815	3.450	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	11256	2.438	ng	# 1

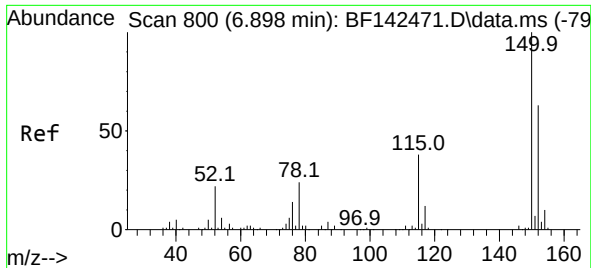
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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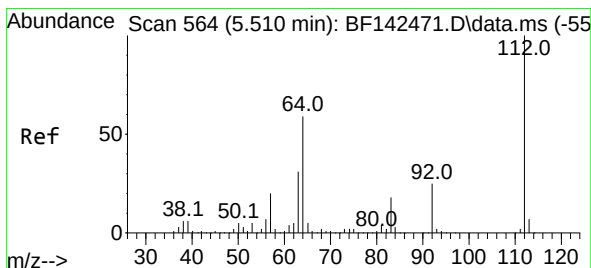
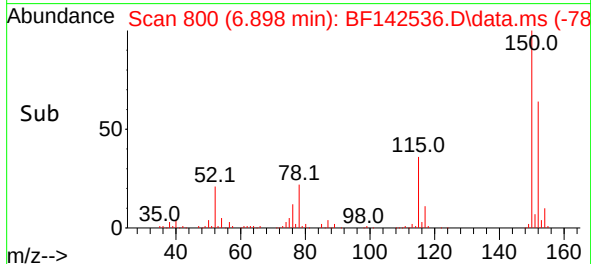
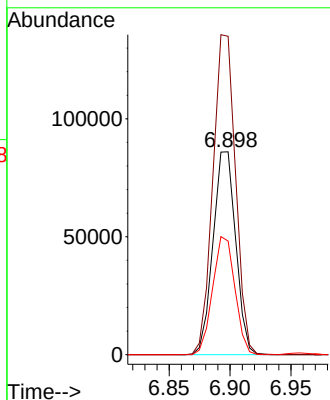
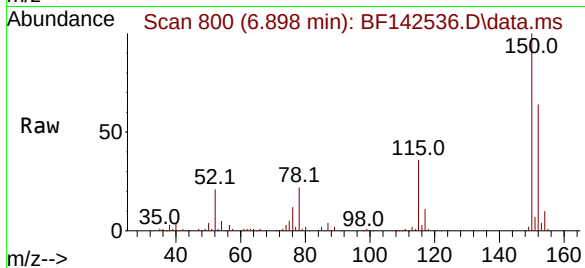




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142536.D
 Acq: 23 May 2025 15:37

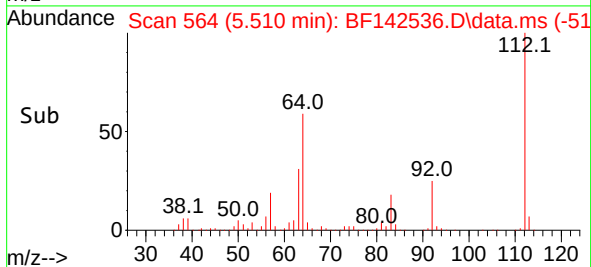
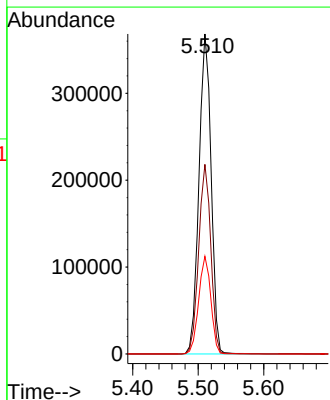
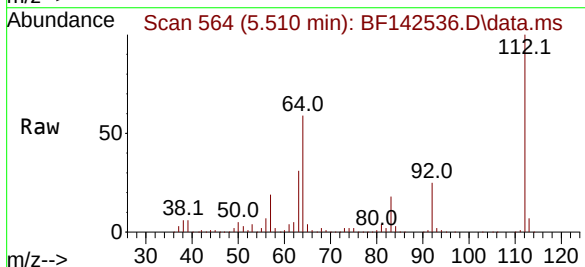
Instrument :
 BNA_F
 ClientSampleId :
 TP-22

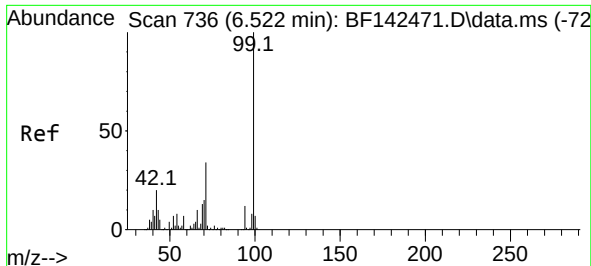
Tgt Ion:152 Resp: 111473
 Ion Ratio Lower Upper
 152 100
 150 157.0 128.2 192.4
 115 56.0 48.3 72.5



#5
 2-Fluorophenol
 Concen: 72.061 ng
 RT: 5.510 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: BF142536.D
 Acq: 23 May 2025 15:37

Tgt Ion:112 Resp: 476798
 Ion Ratio Lower Upper
 112 100
 64 59.2 47.5 71.3
 63 30.5 24.9 37.3





#7
Phenol-d6
Concen: 73.616 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142536.D
Acq: 23 May 2025 15:37

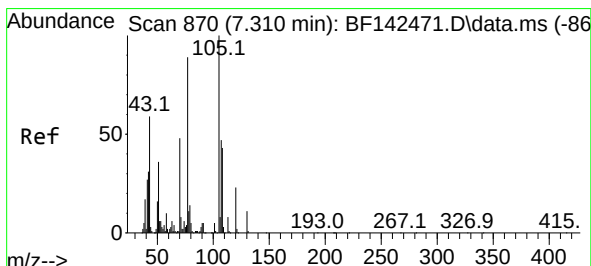
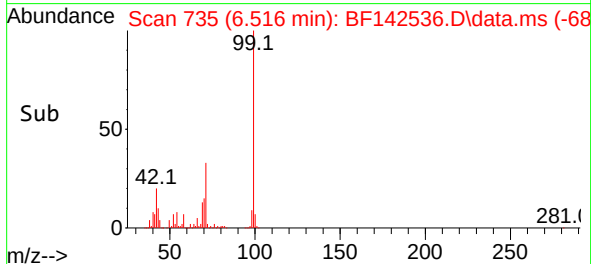
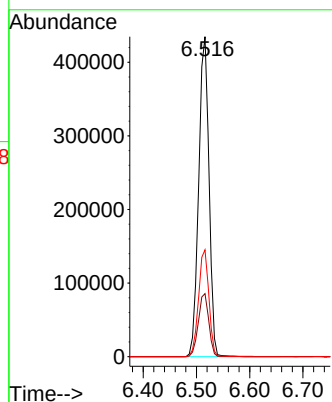
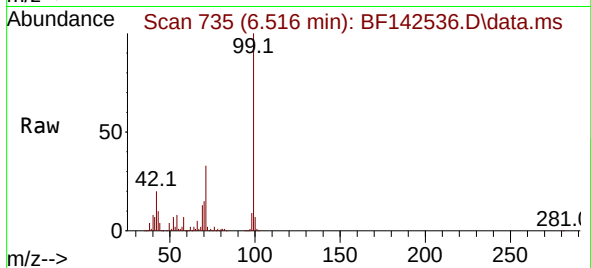
Instrument :

BNA_F

ClientSampleId :

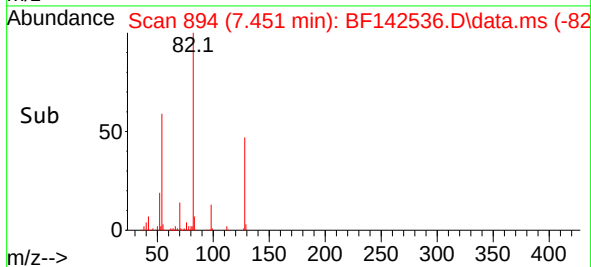
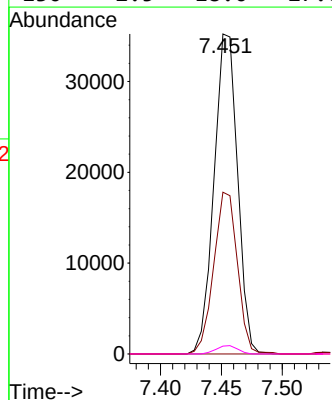
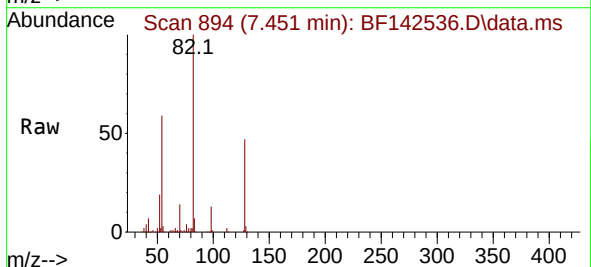
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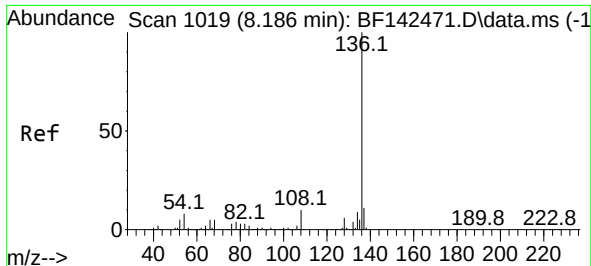
Tgt Ion: 99 Resp: 586338
Ion Ratio Lower Upper
99 100
42 19.7 16.2 24.2
71 33.4 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.604 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142536.D
Acq: 23 May 2025 15:37

Tgt Ion: 70 Resp: 47407
Ion Ratio Lower Upper
70 100
42 50.5 52.4 78.6#
101 0.0 7.8 11.8#
130 2.5 18.0 27.0#

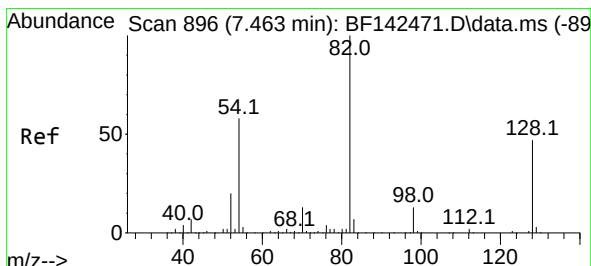
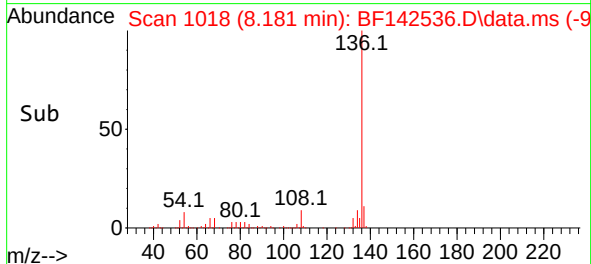
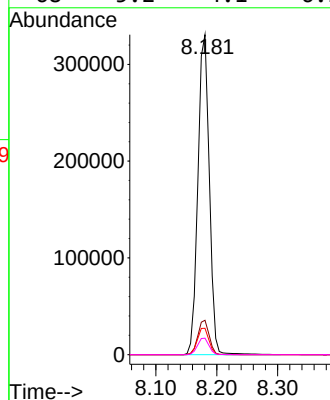
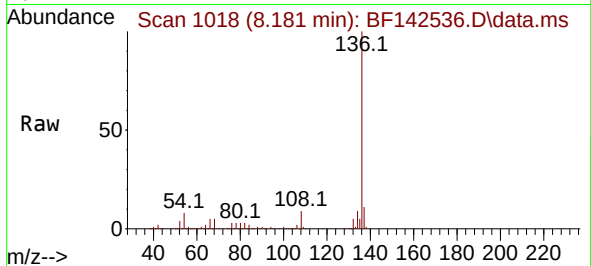




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142536.D
Acq: 23 May 2025 15:37

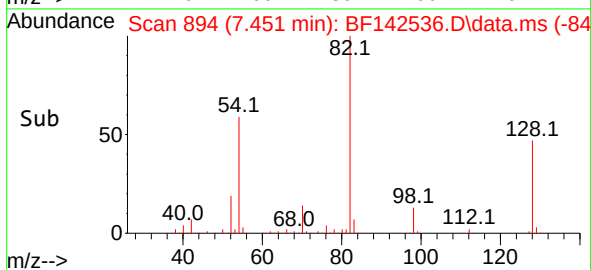
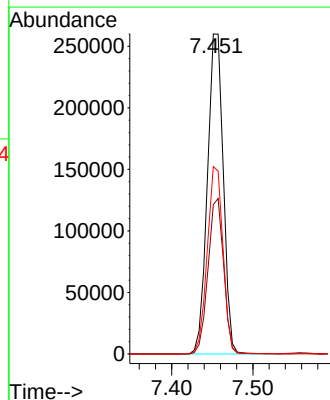
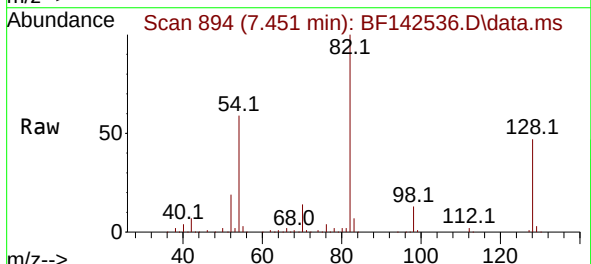
Instrument :
BNA_F
ClientSampleId :
TP-22

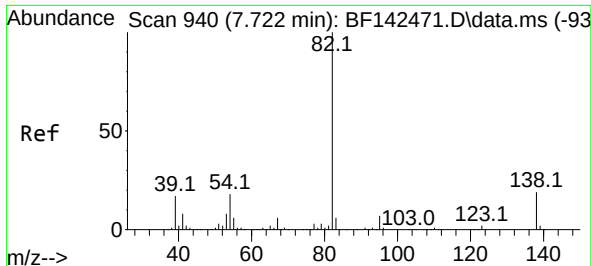
Tgt Ion:136 Resp: 430329
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.2 6.6 10.0
68 5.2 4.1 6.1



#23
Nitrobenzene-d5
Concen: 44.716 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142536.D
Acq: 23 May 2025 15:37

Tgt Ion: 82 Resp: 352889
Ion Ratio Lower Upper
82 100
128 46.6 37.4 56.2
54 58.6 46.6 70.0

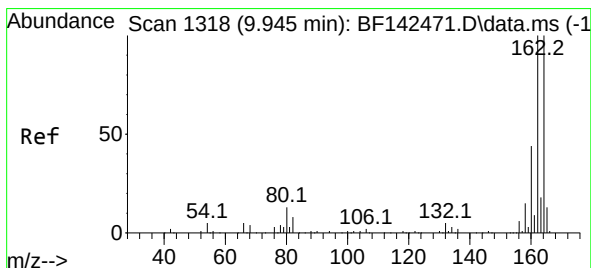
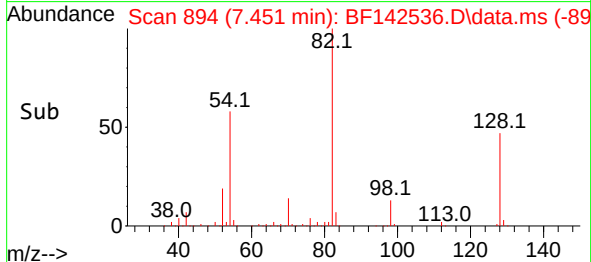
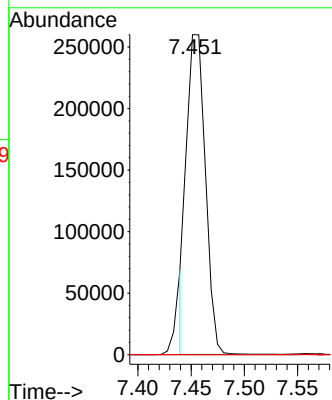
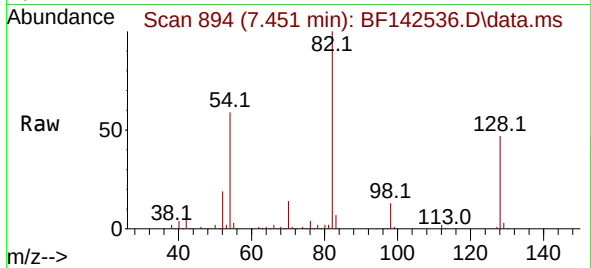




#25
Isophorone
Concen: 24.180 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF142536.D
Acq: 23 May 2025 15:37

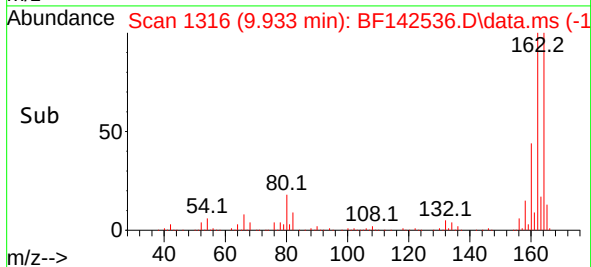
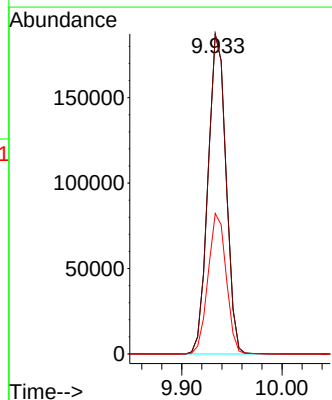
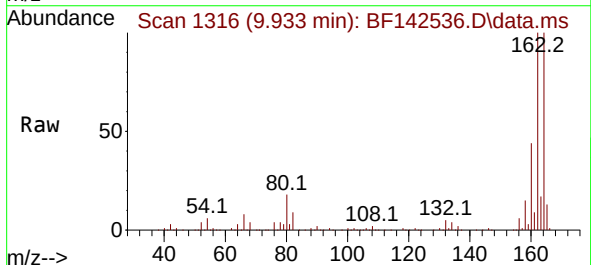
Instrument :
BNA_F
ClientSampleId :
TP-22

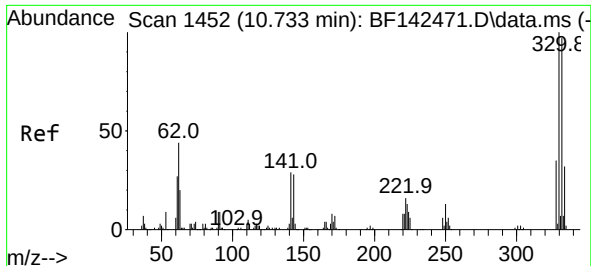
Tgt Ion: 82 Resp: 319047
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142536.D
Acq: 23 May 2025 15:37

Tgt Ion:164 Resp: 234472
Ion Ratio Lower Upper
164 100
162 100.0 80.2 120.4
160 43.9 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 69.529 ng

RT: 10.722 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF142536.D

Acq: 23 May 2025 15:37

Instrument :

BNA_F

ClientSampleId :

TP-22

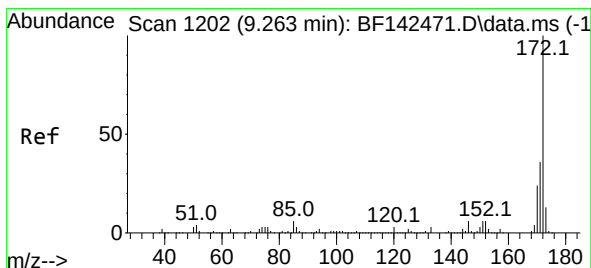
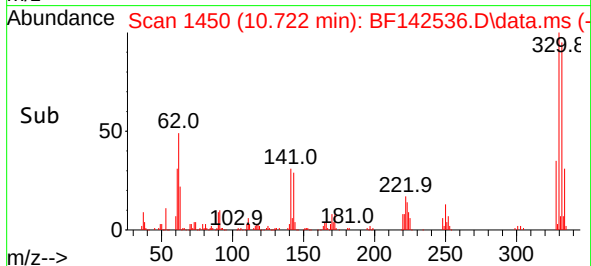
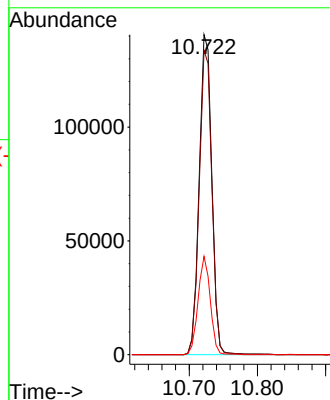
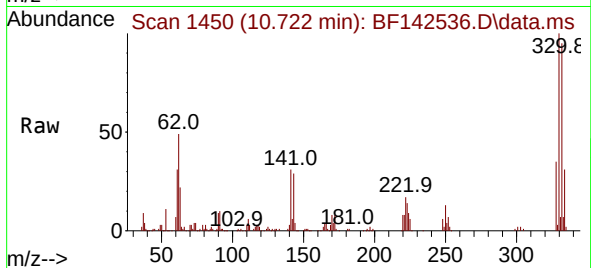
Tgt Ion:330 Resp: 180939

Ion Ratio Lower Upper

330 100

332 95.3 77.6 116.4

141 29.7 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 43.086 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF142536.D

Acq: 23 May 2025 15:37

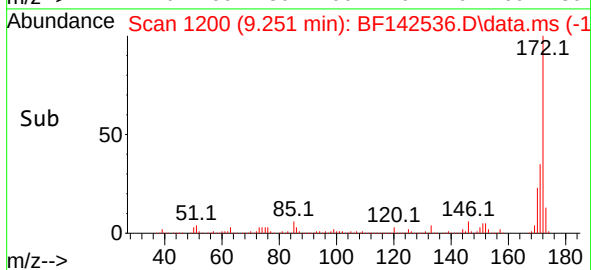
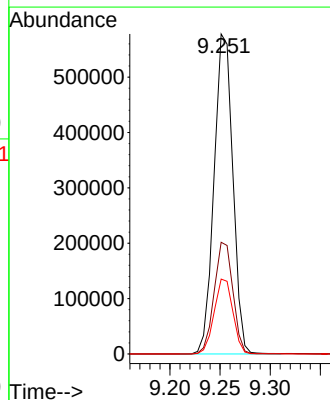
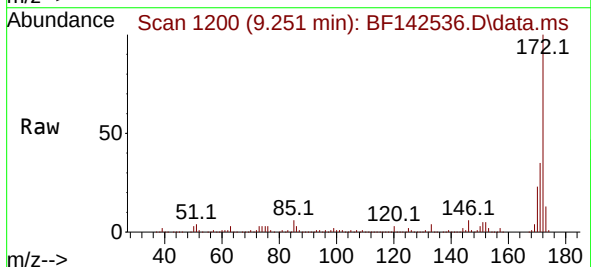
Tgt Ion:172 Resp: 752874

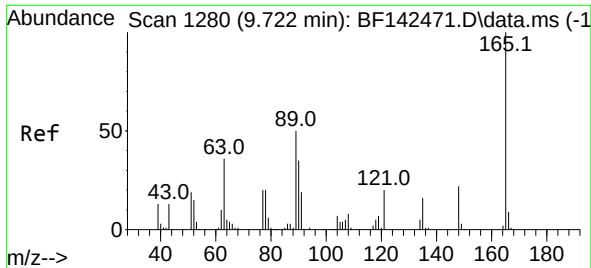
Ion Ratio Lower Upper

172 100

171 34.9 28.6 42.8

170 23.4 18.9 28.3

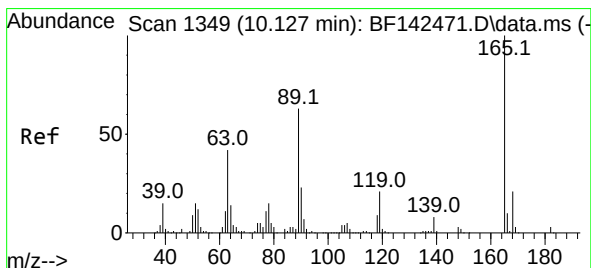
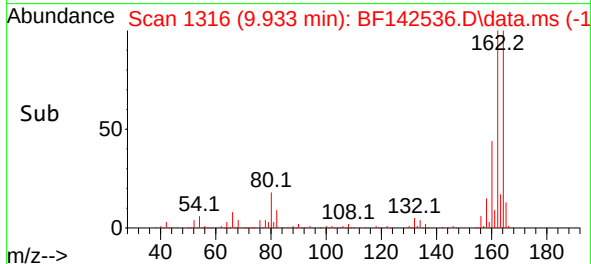
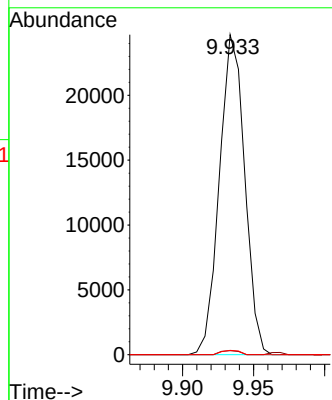
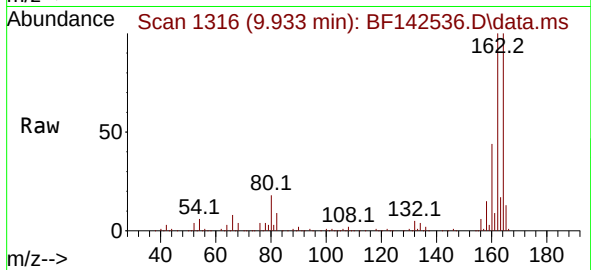




#51
2,6-Dinitrotoluene
Concen: 9.140 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142536.D
Acq: 23 May 2025 15:37

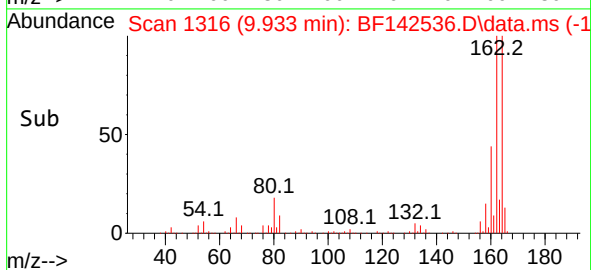
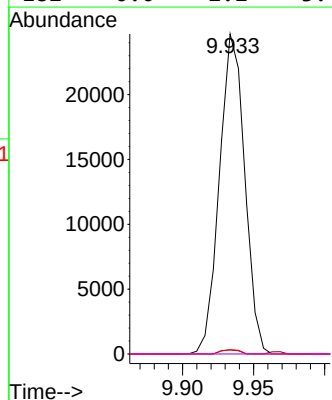
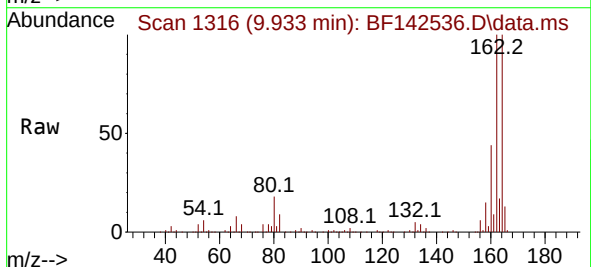
Instrument :
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TP-22

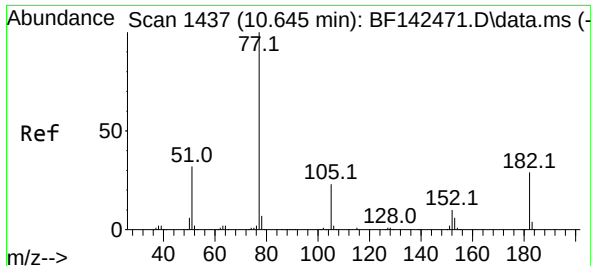
Tgt Ion:165 Resp: 30519
Ion Ratio Lower Upper
165 100
63 1.3 42.9 64.3#
89 1.3 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.998 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142536.D
Acq: 23 May 2025 15:37

Tgt Ion:165 Resp: 30519
Ion Ratio Lower Upper
165 100
63 1.3 33.6 50.4#
89 1.3 50.2 75.4#
182 0.0 2.2 3.4#

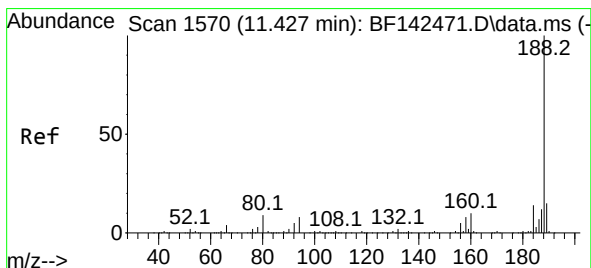
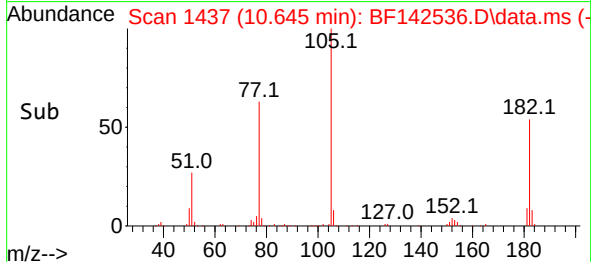
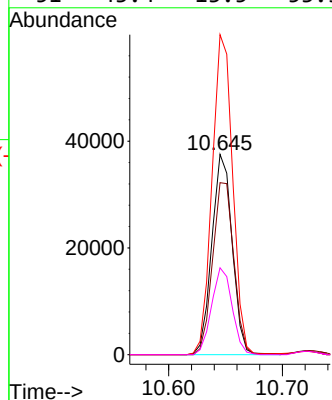
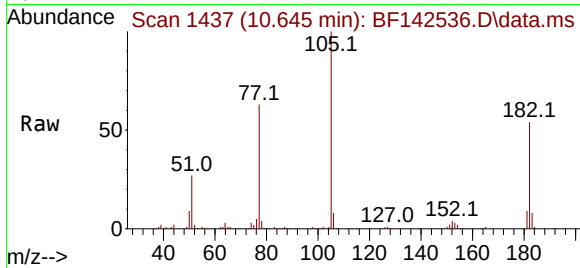




#63
Azobenzene
Concen: 3.450 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142536.D
Acq: 23 May 2025 15:37

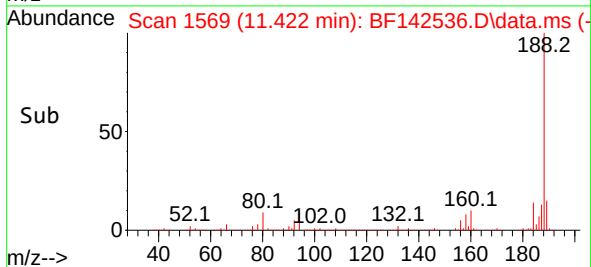
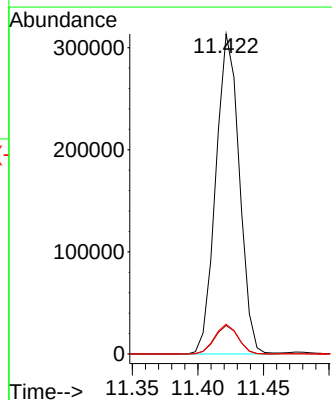
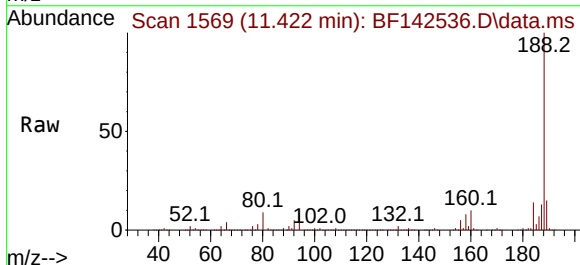
Instrument :
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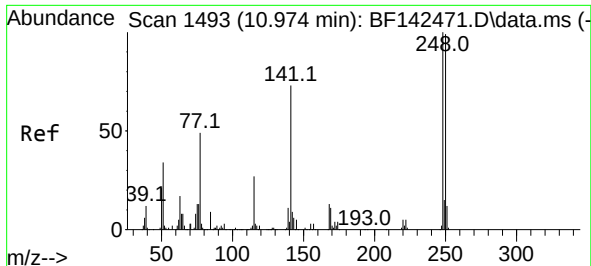
Tgt Ion: 77 Resp: 46815
Ion Ratio Lower Upper
77 100
182 85.9 9.0 49.0#
105 159.8 2.4 42.4#
51 43.4 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142536.D
Acq: 23 May 2025 15:37

Tgt Ion:188 Resp: 390498
Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 9.3 7.4 11.0

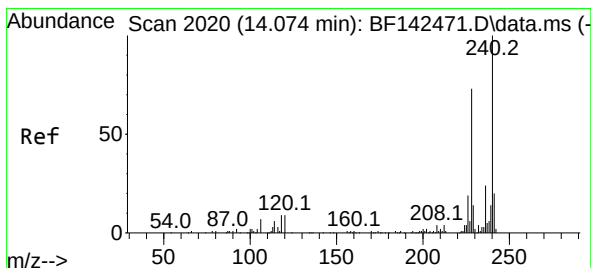
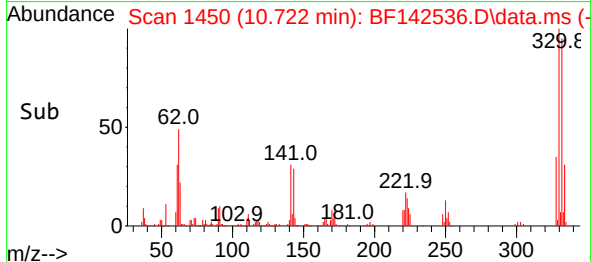
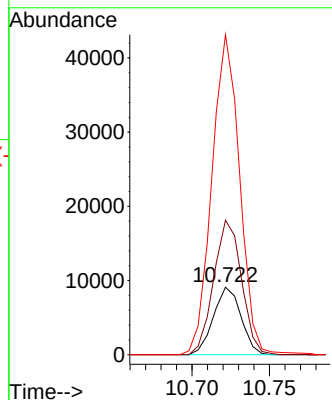
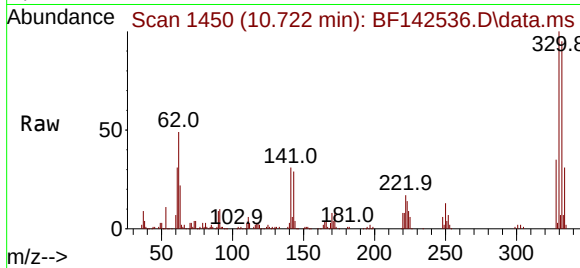




#67
4-Bromophenyl-phenylether
Concen: 2.438 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142536.D
Acq: 23 May 2025 15:37

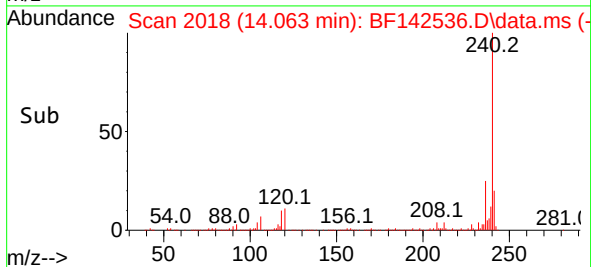
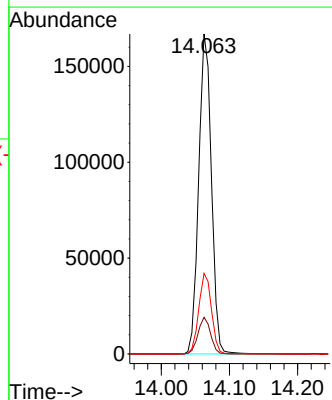
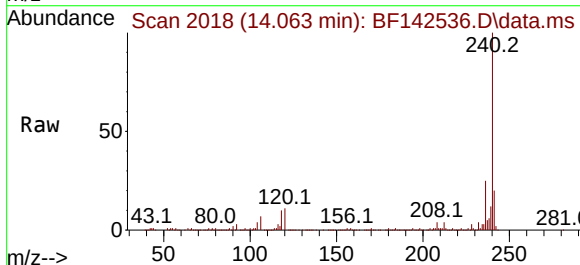
Instrument :
BNA_F
ClientSampleId :
TP-22

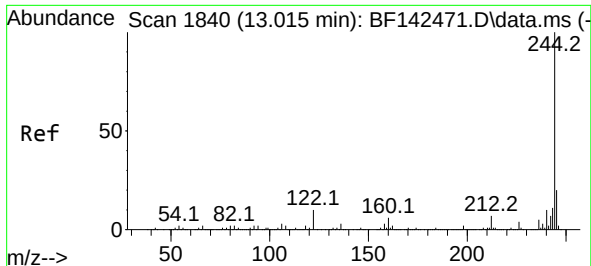
Tgt Ion:248 Resp: 11256
Ion Ratio Lower Upper
248 100
250 198.8 79.0 118.4#
141 473.5 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142536.D
Acq: 23 May 2025 15:37

Tgt Ion:240 Resp: 216372
Ion Ratio Lower Upper
240 100
120 11.5 7.5 11.3#
236 25.1 19.6 29.4





#79

Terphenyl-d14

Concen: 42.818 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142536.D

Acq: 23 May 2025 15:37

Instrument :

BNA_F

ClientSampleId :

TP-22

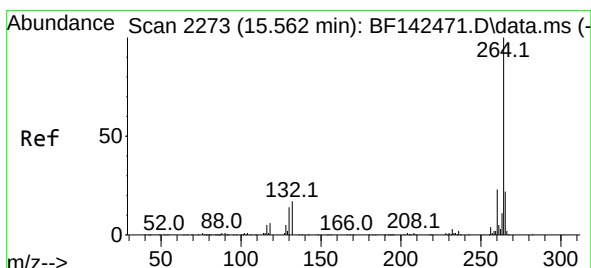
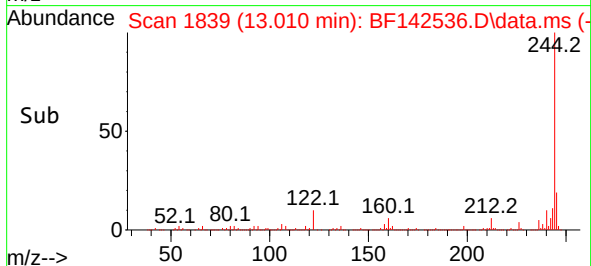
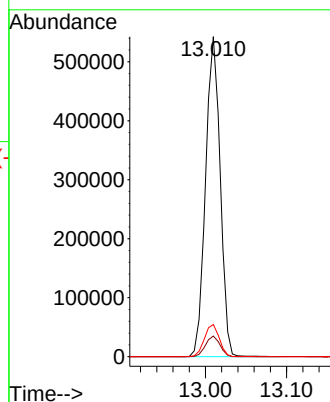
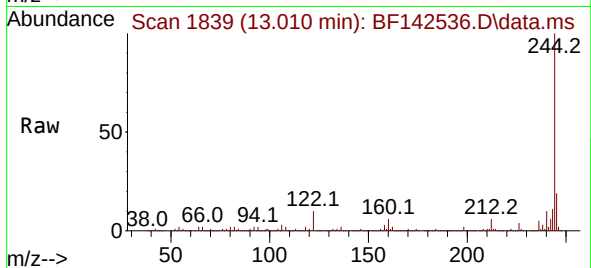
Tgt Ion:244 Resp: 677960

Ion Ratio Lower Upper

244 100

212 6.5 5.3 7.9

122 10.1 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: BF142536.D

Acq: 23 May 2025 15:37

Tgt Ion:264 Resp: 220082

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 21.3 17.7 26.5

