

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142539.D
 Acq On : 23 May 2025 17:03
 Operator : RC/JU
 Sample : Q2095-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TP1

Quant Time: May 23 17:35:09 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)

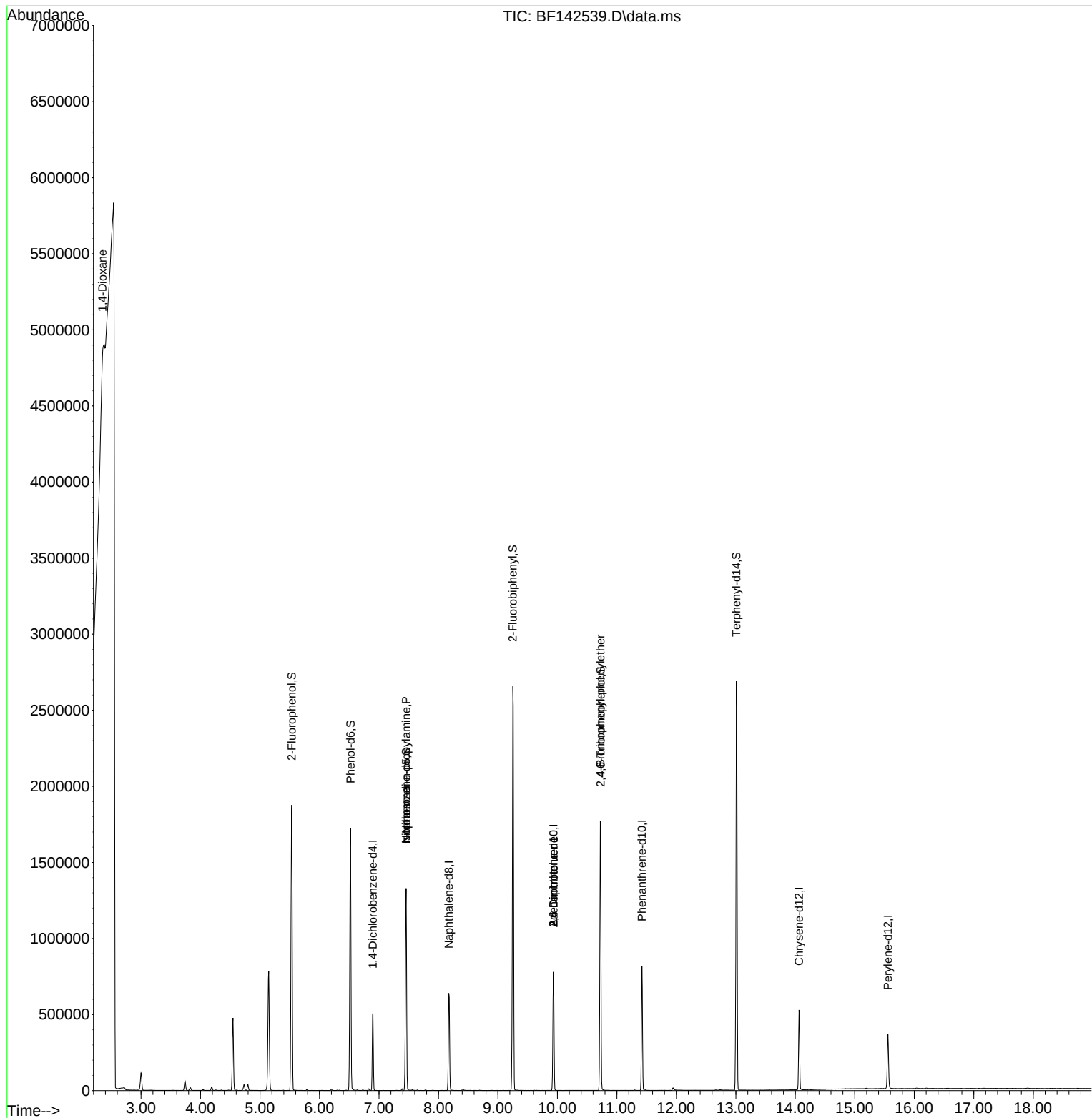
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	113644	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	442750	20.000	ng	-0.01
39) Acenaphthene-d10	9.934	164	239443	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	426984	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	256608	20.000	ng	-0.01
86) Perylene-d12	15.557	264	192531	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	754720	111.886	ng	0.02
7) Phenol-d6	6.522	99	844167	103.963	ng	-0.01
23) Nitrobenzene-d5	7.457	82	608399	74.930	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	339103	127.602	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1311089	73.475	ng	-0.02
79) Terphenyl-d14	13.010	244	1384491	73.730	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.352	88	8970	3.323	ng	# 48
19) n-Nitroso-di-n-propyla...	7.457	70	81679	16.231	ng	# 76
25) Isophorone	7.457	82	590072	43.466	ng	# 63
51) 2,6-Dinitrotoluene	9.934	165	30505	8.946	ng	# 27
57) 2,4-Dinitrotoluene	9.934	165	30505	6.850	ng	# 28
67) 4-Bromophenyl-phenylether	10.722	248	20199	4.001	ng	# 1

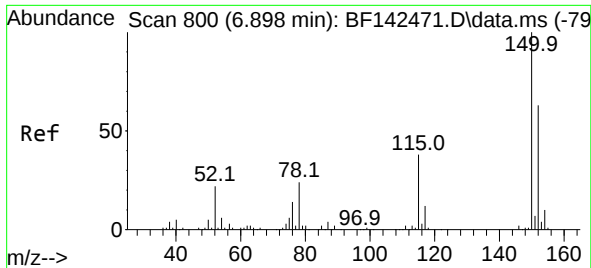
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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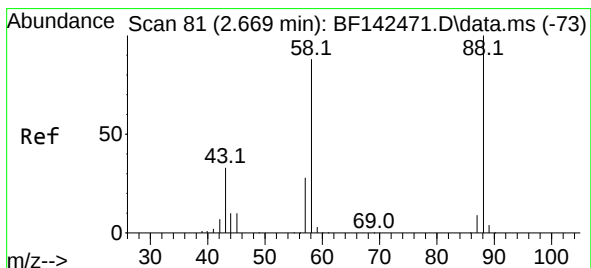
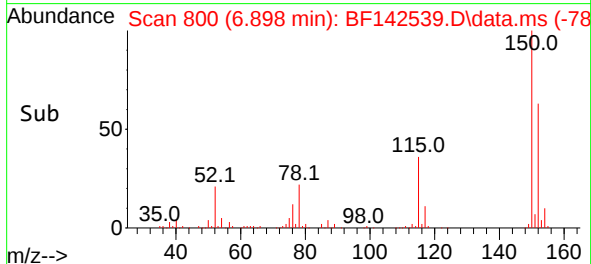
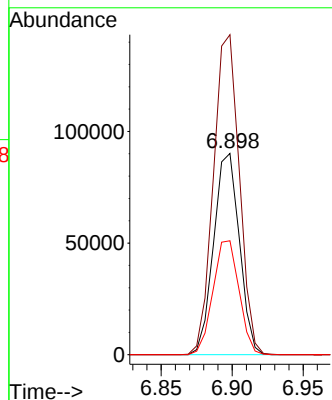
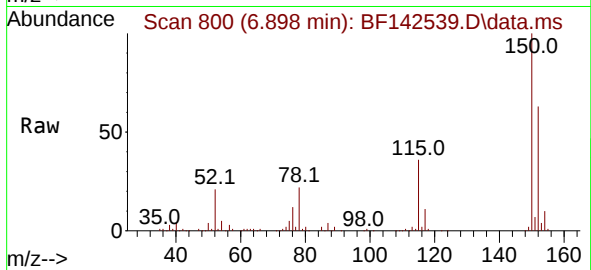




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF142539.D
 Acq: 23 May 2025 17:03

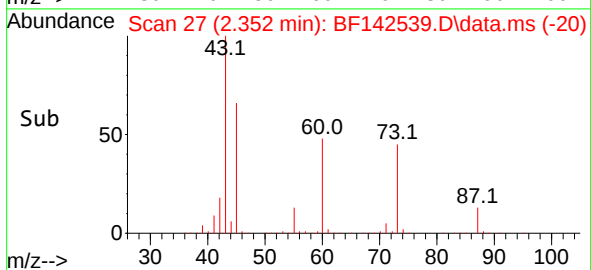
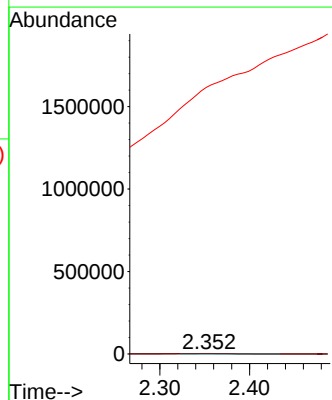
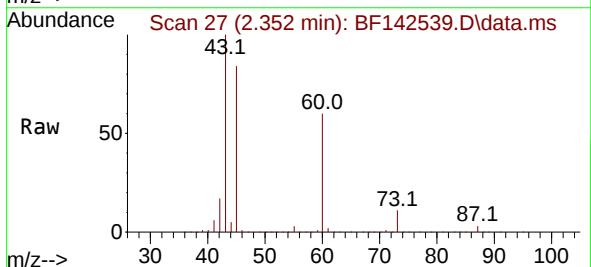
Instrument :
 BNA_F
 ClientSampleId :
 WCS-TP1

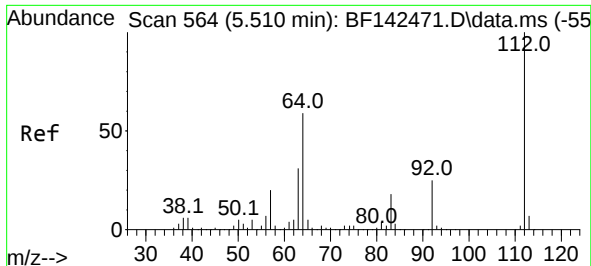
Tgt Ion:152 Resp: 113644
 Ion Ratio Lower Upper
 152 100
 150 158.9 128.2 192.4
 115 56.6 48.3 72.5



#2
 1,4-Dioxane
 Concen: 3.323 ng
 RT: 2.352 min Scan# 27
 Delta R.T. -0.311 min
 Lab File: BF142539.D
 Acq: 23 May 2025 17:03

Tgt Ion: 88 Resp: 8970
 Ion Ratio Lower Upper
 88 100
 58 41.8 70.8 106.2#
 43 0.0 26.6 40.0#

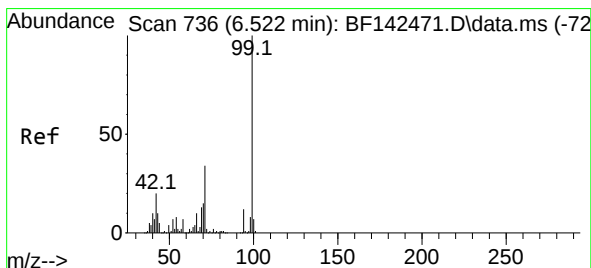
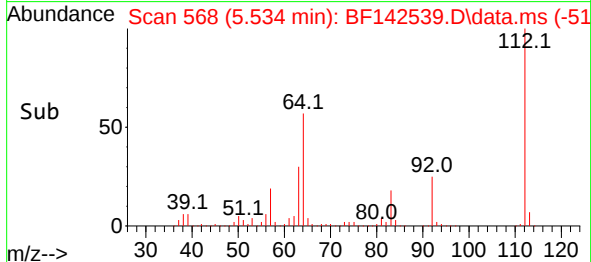
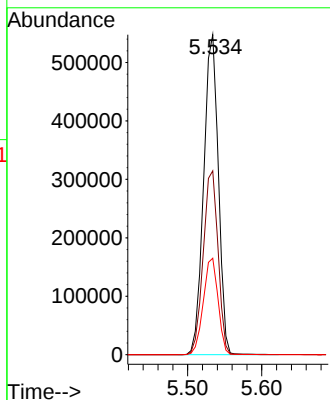
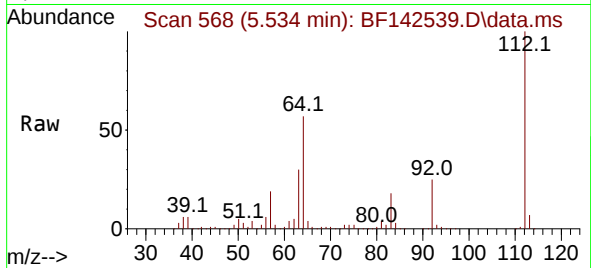




#5
2-Fluorophenol
Concen: 111.886 ng
RT: 5.534 min Scan# 501
Delta R.T. 0.018 min
Lab File: BF142539.D
Acq: 23 May 2025 17:03

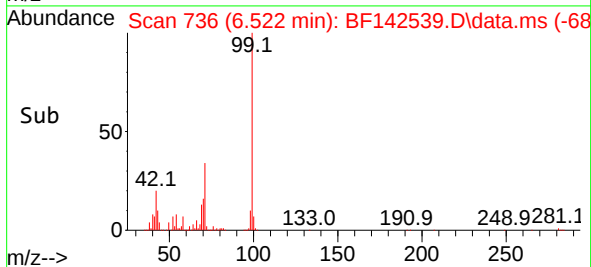
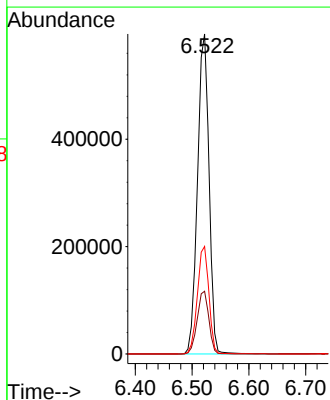
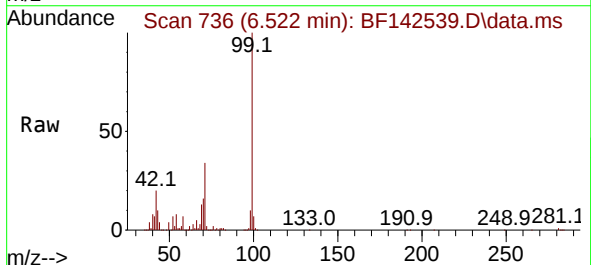
Instrument :
BNA_F
ClientSampleId :
WCS-TP1

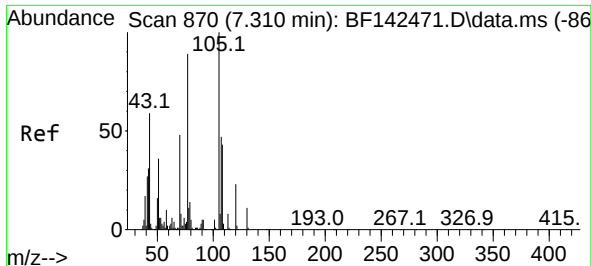
Tgt Ion:112 Resp: 754720
Ion Ratio Lower Upper
112 100
64 57.4 47.5 71.3
63 30.2 24.9 37.3



#7
Phenol-d6
Concen: 103.963 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.011 min
Lab File: BF142539.D
Acq: 23 May 2025 17:03

Tgt Ion: 99 Resp: 844167
Ion Ratio Lower Upper
99 100
42 19.6 16.2 24.2
71 33.6 27.3 40.9





#19

n-Nitroso-di-n-propylamine

Concen: 16.231 ng

RT: 7.457 min Scan# 81

Delta R.T. 0.130 min

Lab File: BF142539.D

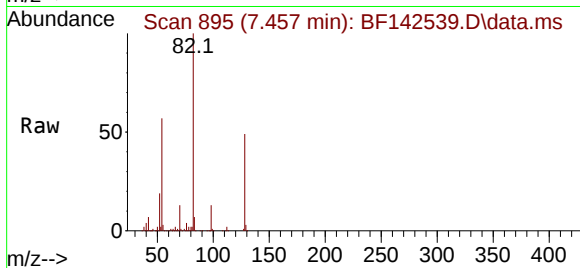
Acq: 23 May 2025 17:03

Instrument :

BNA_F

ClientSampleId :

WCS-TP1



Tgt Ion: 70 Resp: 81679

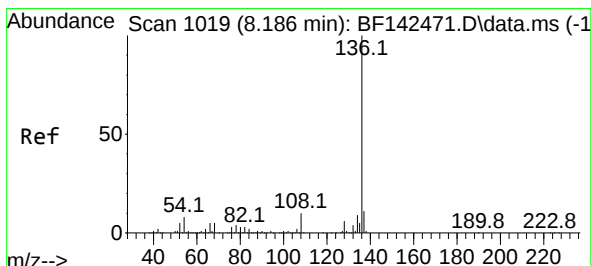
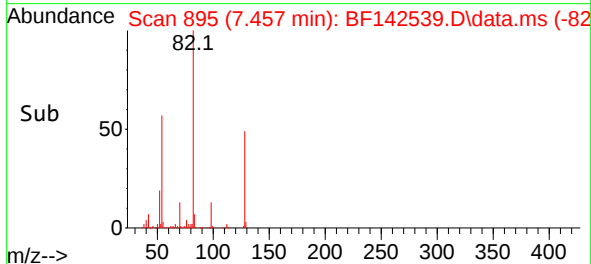
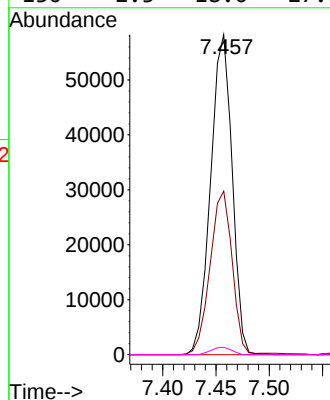
Ion Ratio Lower Upper

70 100

42 51.1 52.4 78.6#

101 0.0 7.8 11.8#

130 2.3 18.0 27.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1017

Delta R.T. -0.011 min

Lab File: BF142539.D

Acq: 23 May 2025 17:03

Tgt Ion: 136 Resp: 442750

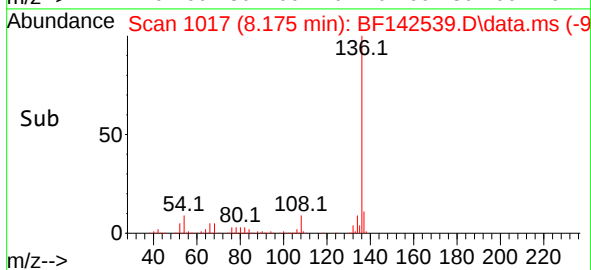
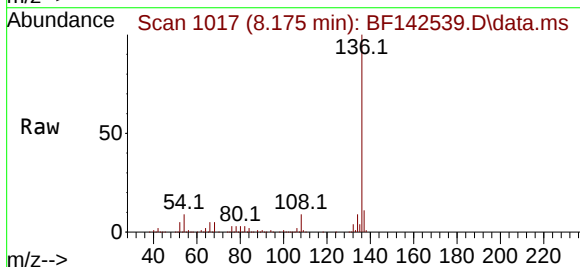
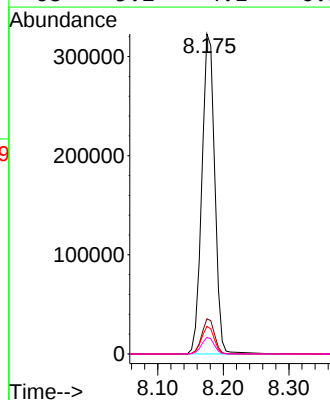
Ion Ratio Lower Upper

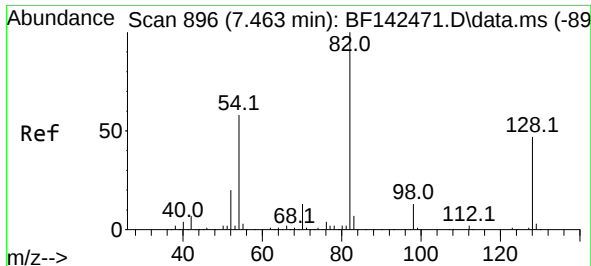
136 100

137 11.0 8.6 13.0

54 8.6 6.6 10.0

68 5.2 4.1 6.1





#23

Nitrobenzene-d5

Concen: 74.930 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF142539.D

Acq: 23 May 2025 17:03

Instrument :

BNA_F

ClientSampleId :

WCS-TP1

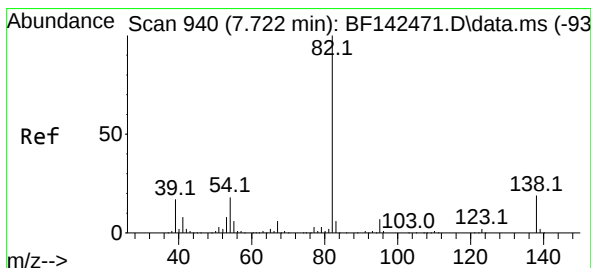
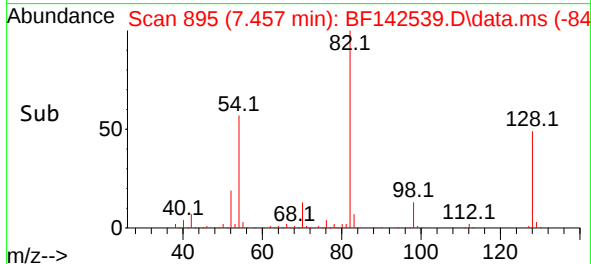
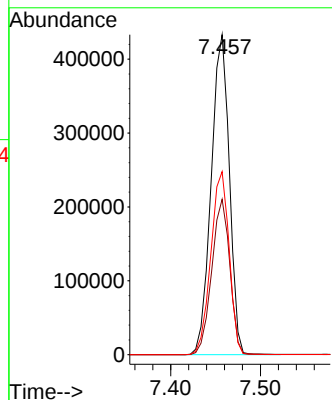
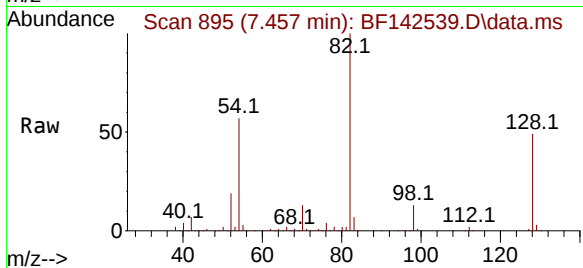
Tgt Ion: 82 Resp: 608399

Ion Ratio Lower Upper

82 100

128 48.5 37.4 56.2

54 57.2 46.6 70.0



#25

Isophorone

Concen: 43.466 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.276 min

Lab File: BF142539.D

Acq: 23 May 2025 17:03

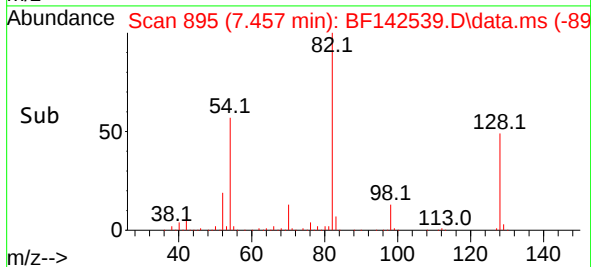
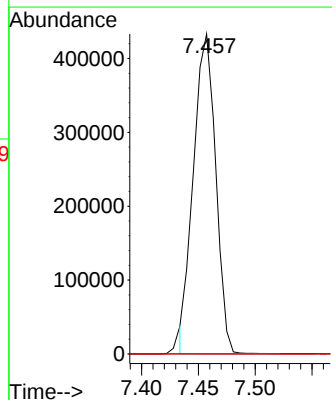
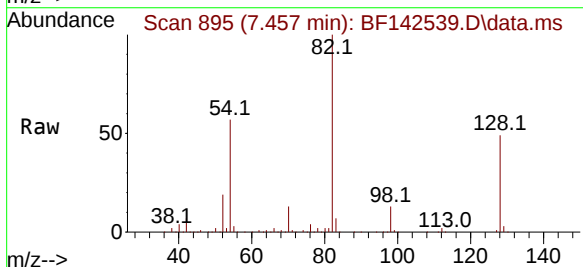
Tgt Ion: 82 Resp: 590072

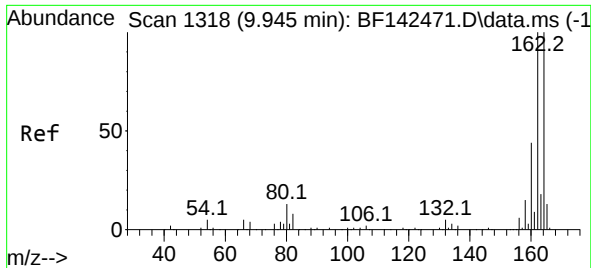
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 15.5 23.3#

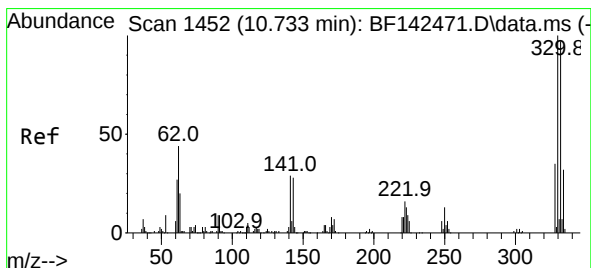
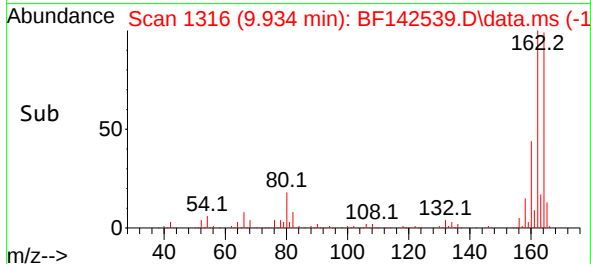
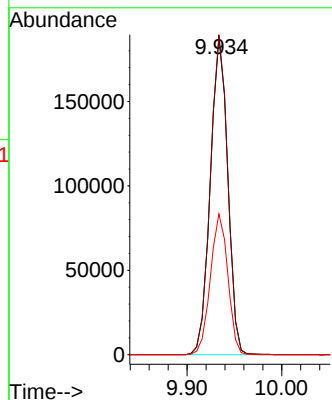
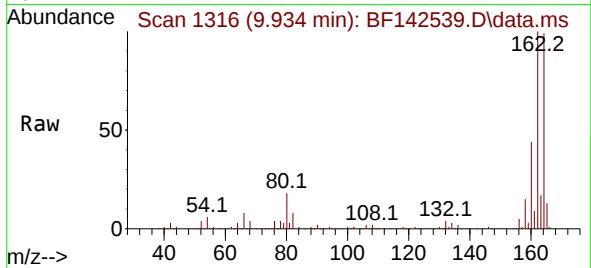




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF142539.D
Acq: 23 May 2025 17:03

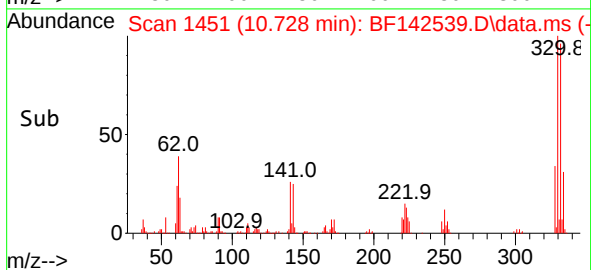
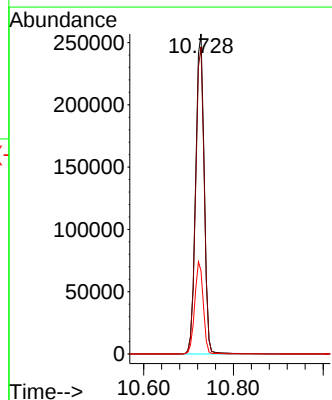
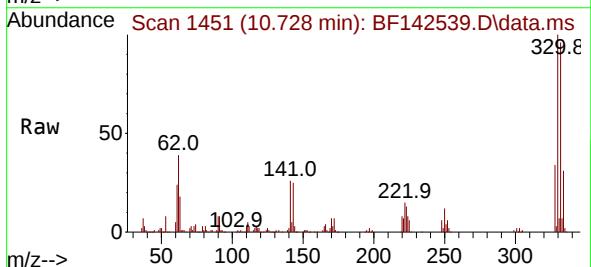
Instrument :
BNA_F
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WCS-TP1

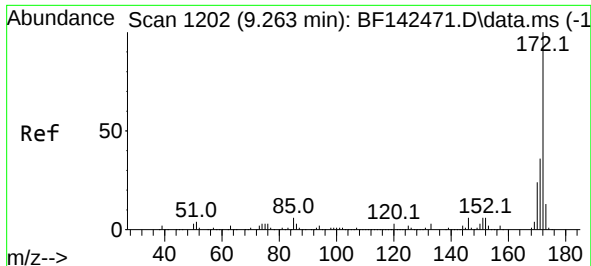
Tgt Ion:164 Resp: 239443
Ion Ratio Lower Upper
164 100
162 100.9 80.2 120.4
160 44.4 35.6 53.4



#42
2,4,6-Tribromophenol
Concen: 127.602 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.011 min
Lab File: BF142539.D
Acq: 23 May 2025 17:03

Tgt Ion:330 Resp: 339103
Ion Ratio Lower Upper
330 100
332 96.0 77.6 116.4
141 28.7 24.6 36.8





#45

2-Fluorobiphenyl

Concen: 73.475 ng

RT: 9.251 min Scan# 1311

Delta R.T. -0.017 min

Lab File: BF142539.D

Acq: 23 May 2025 17:03

Instrument :

BNA_F

ClientSampleId :

WCS-TP1

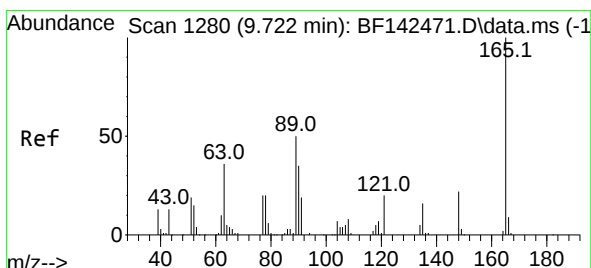
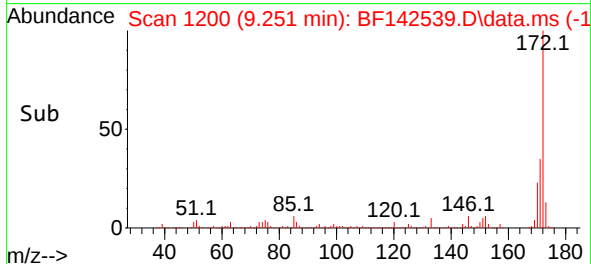
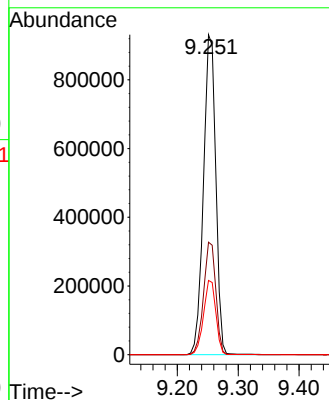
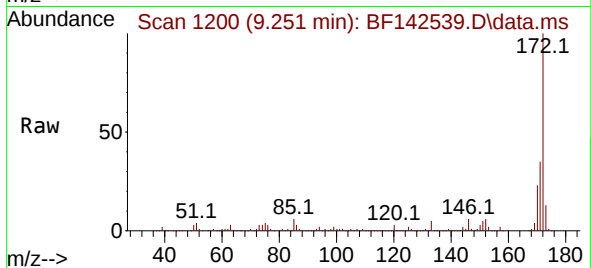
Tgt Ion:172 Resp: 1311089

Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.2 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.946 ng

RT: 9.934 min Scan# 1316

Delta R.T. 0.206 min

Lab File: BF142539.D

Acq: 23 May 2025 17:03

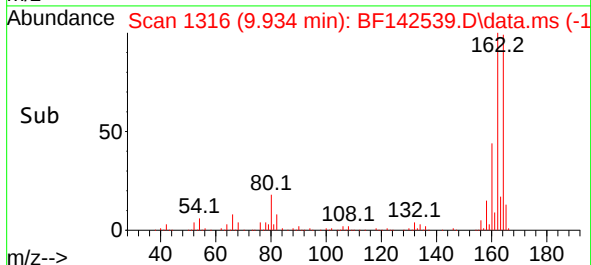
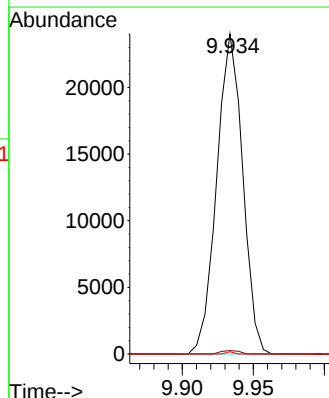
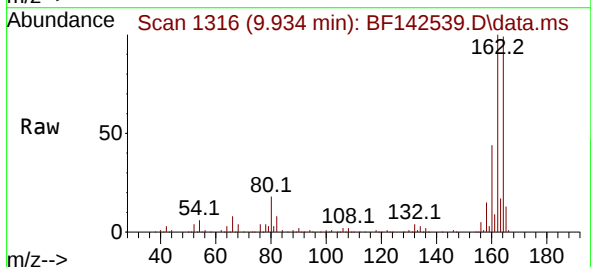
Tgt Ion:165 Resp: 30505

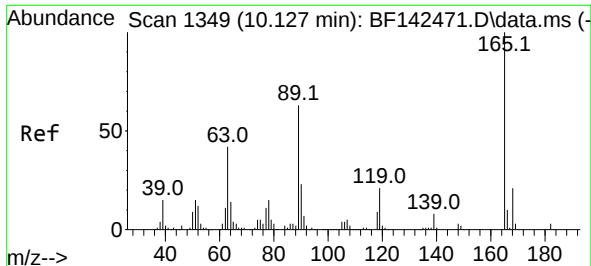
Ion Ratio Lower Upper

165 100

63 1.0 42.9 64.3#

89 0.7 40.2 60.4#

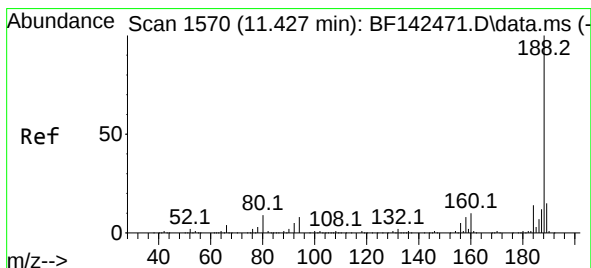
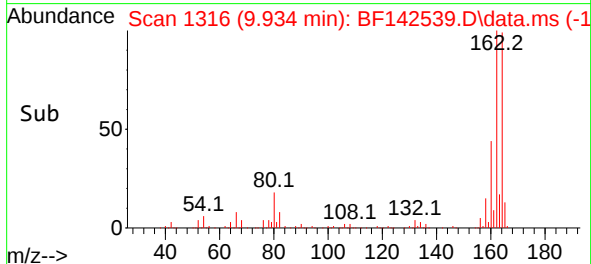
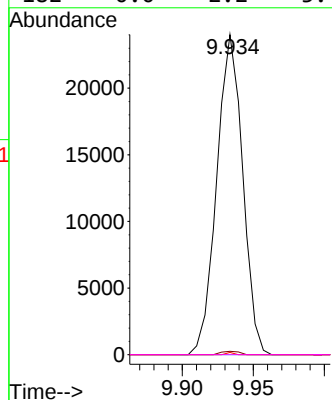
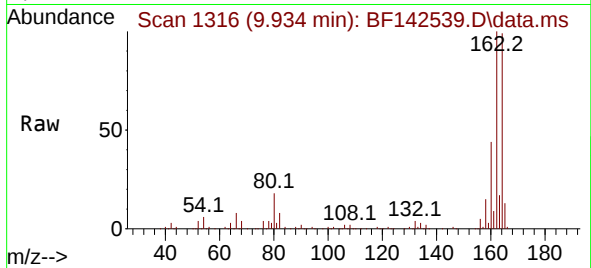




#57
2,4-Dinitrotoluene
Concen: 6.850 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF142539.D
Acq: 23 May 2025 17:03

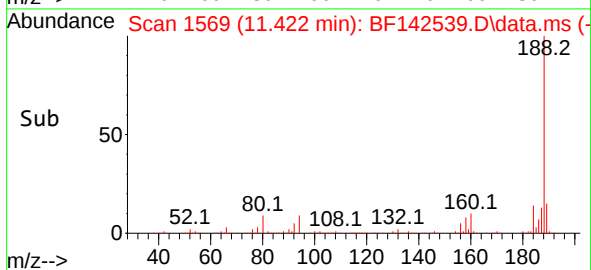
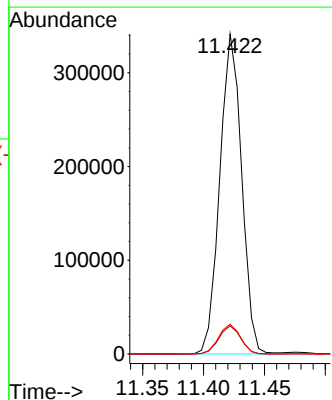
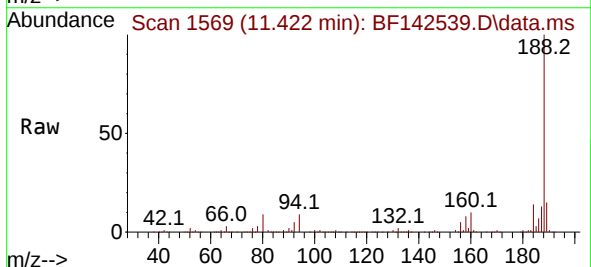
Instrument :
BNA_F
ClientSampleId :
WCS-TP1

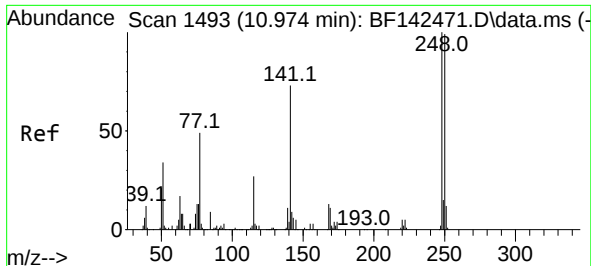
Tgt Ion:165 Resp: 30505
Ion Ratio Lower Upper
165 100
63 1.0 33.6 50.4#
89 0.7 50.2 75.4#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.011 min
Lab File: BF142539.D
Acq: 23 May 2025 17:03

Tgt Ion:188 Resp: 426984
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.3 7.4 11.0

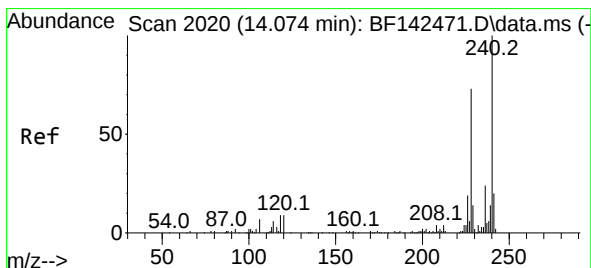
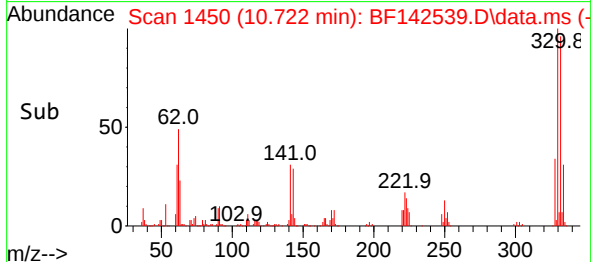
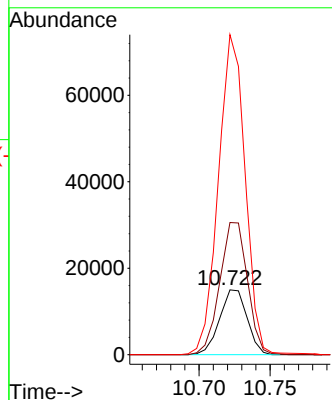
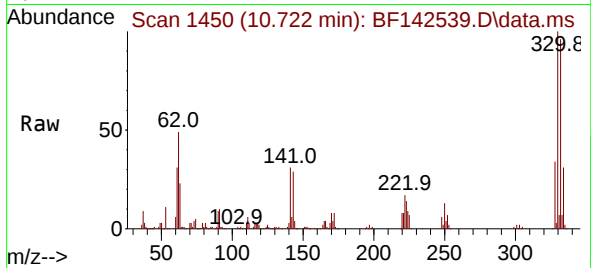




#67
4-Bromophenyl-phenylether
Concen: 4.001 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142539.D
Acq: 23 May 2025 17:03

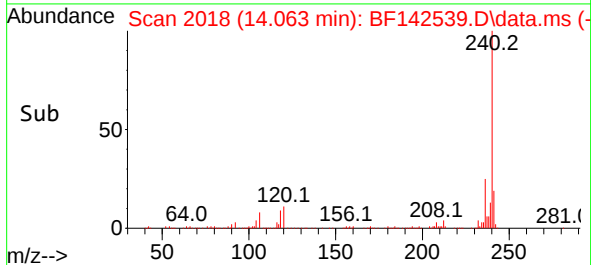
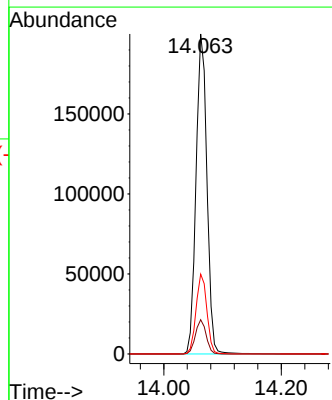
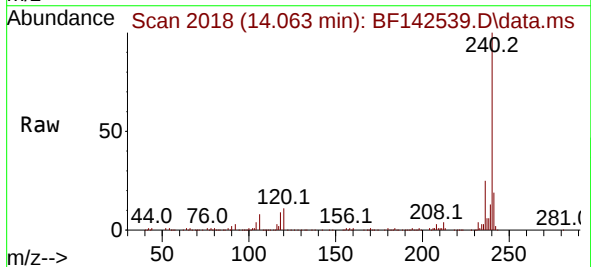
Instrument :
BNA_F
ClientSampleId :
WCS-TP1

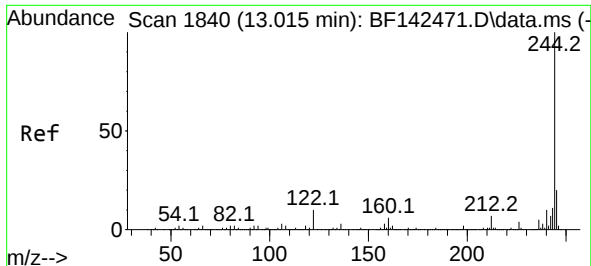
Tgt Ion:248 Resp: 20199
Ion Ratio Lower Upper
248 100
250 203.8 79.0 118.4#
141 493.4 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.011 min
Lab File: BF142539.D
Acq: 23 May 2025 17:03

Tgt Ion:240 Resp: 256608
Ion Ratio Lower Upper
240 100
120 10.7 7.5 11.3
236 25.0 19.6 29.4

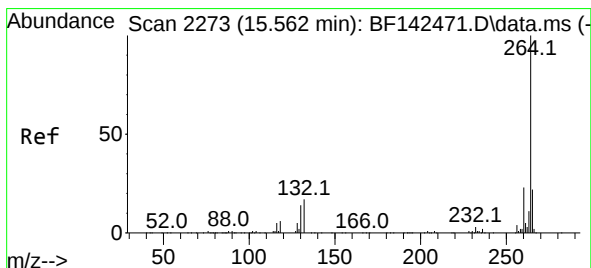
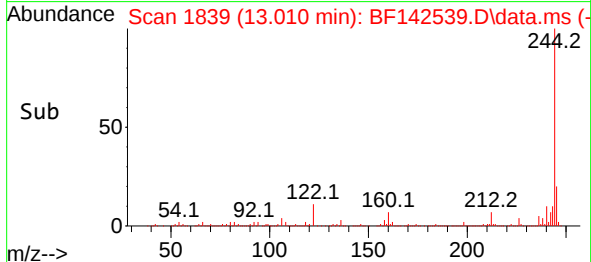
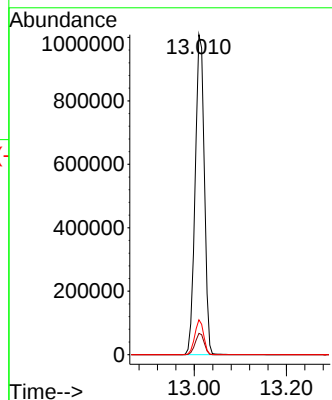
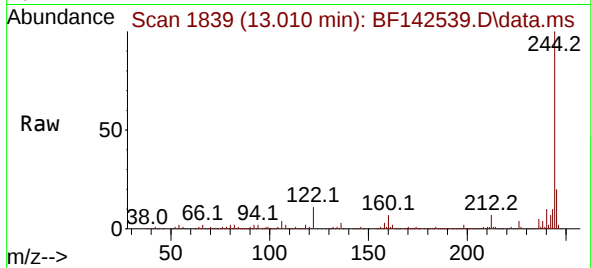




#79
 Terphenyl-d14
 Concen: 73.730 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142539.D
 Acq: 23 May 2025 17:03

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TP1

Tgt Ion:244 Resp: 1384491
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.3 7.9
 122 10.9 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: BF142539.D
 Acq: 23 May 2025 17:03

Tgt Ion:264 Resp: 192531
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.6 28.0
 265 21.4 17.7 26.5

