

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142549.D
 Acq On : 23 May 2025 21:51
 Operator : RC/JU
 Sample : Q2113-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-05222025

Quant Time: May 23 22:56:03 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)

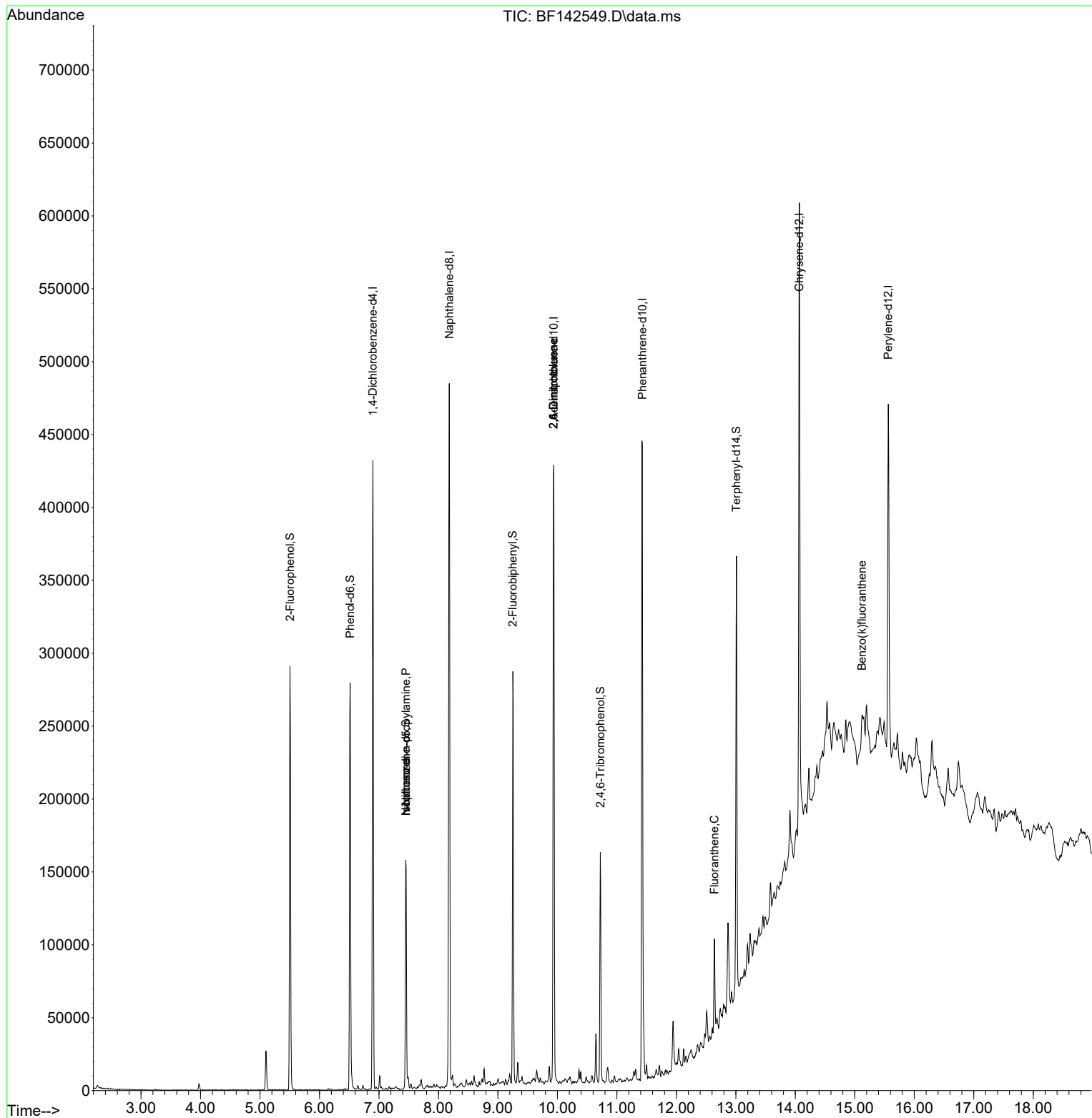
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	93562	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	305694	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	130960	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	239804	20.000	ng	0.00
76) Chrysene-d12	14.068	240	205135	20.000	ng	0.00
86) Perylene-d12	15.562	264	147529	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	109265	19.675	ng	-0.01
7) Phenol-d6	6.516	99	127325	19.046	ng	-0.02
23) Nitrobenzene-d5	7.451	82	67097	11.969	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	26441	18.191	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	128497	13.166	ng	-0.02
79) Terphenyl-d14	13.010	244	142448	9.489	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	9540	2.303	ng	# 79
25) Isophorone	7.451	82	61084	6.517	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	17446	9.354	ng	# 26
57) 2,4-Dinitrotoluene	9.933	165	17446	7.163	ng	# 27
75) Fluoranthene	12.639	202	36887	3.080	ng	# 99
89) Benzo(k)fluoranthene	15.121	252	17294	2.115	ng	# 66

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

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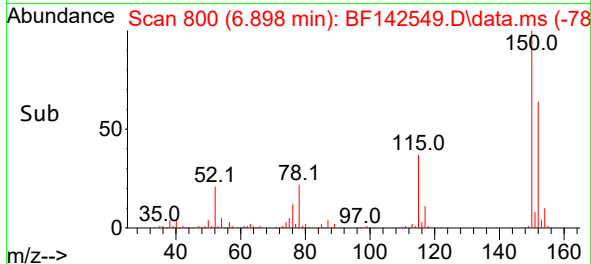
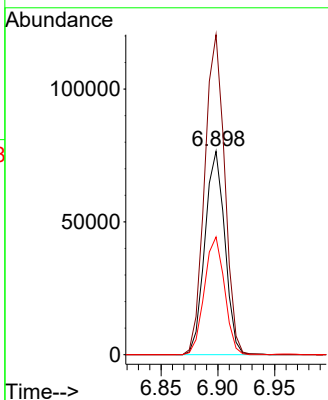
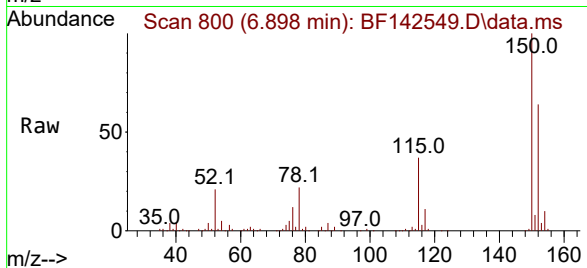




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142549.D
Acq: 23 May 2025 21:51

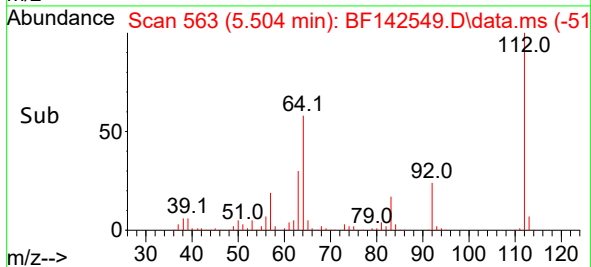
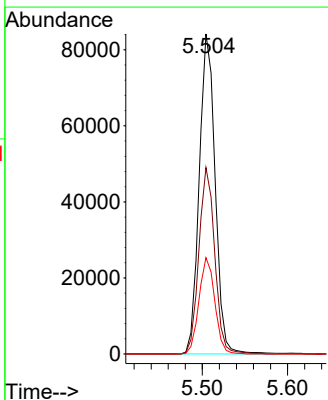
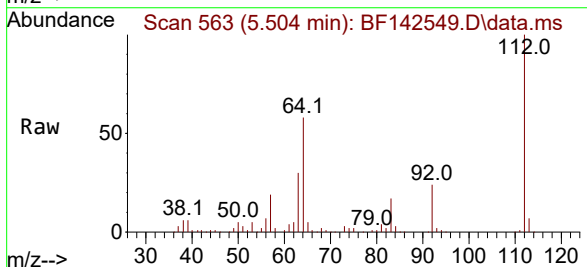
Instrument :
BNA_F
ClientSampleId :
HD-02-05222025

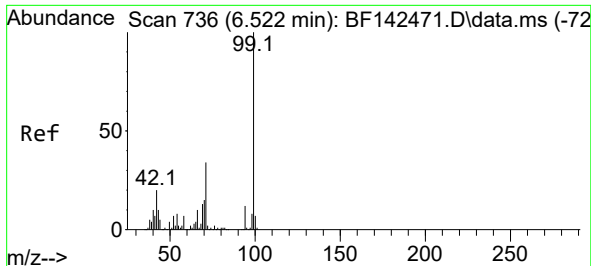
Tgt Ion:152 Resp: 93562
Ion Ratio Lower Upper
152 100
150 157.3 128.2 192.4
115 57.9 48.3 72.5



#5
2-Fluorophenol
Concen: 19.675 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142549.D
Acq: 23 May 2025 21:51

Tgt Ion:112 Resp: 109265
Ion Ratio Lower Upper
112 100
64 58.3 47.5 71.3
63 30.1 24.9 37.3

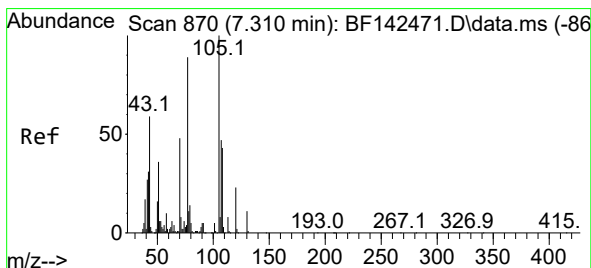
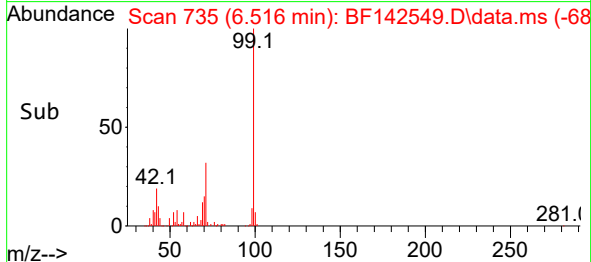
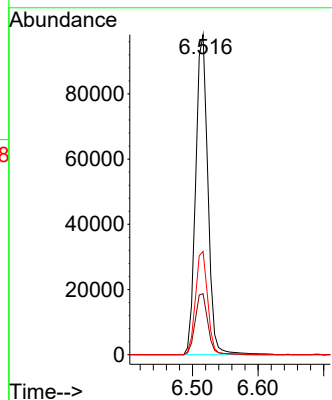
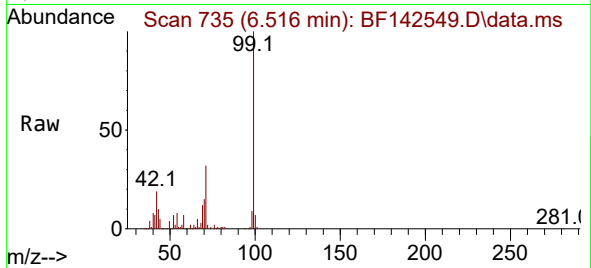




#7
Phenol-d6
Concen: 19.046 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142549.D
Acq: 23 May 2025 21:51

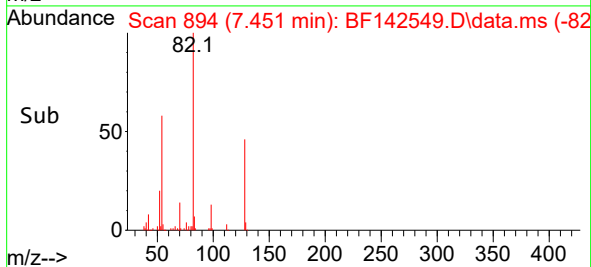
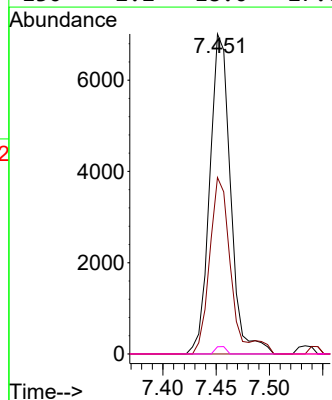
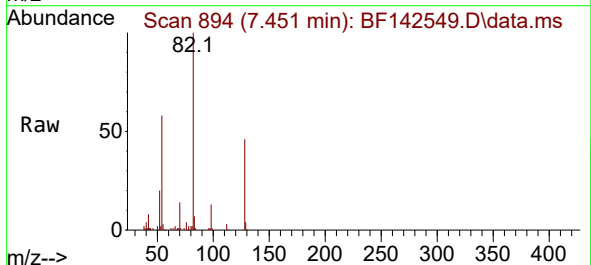
Instrument :
BNA_F
ClientSampleId :
HD-02-05222025

Tgt Ion: 99 Resp: 127325
Ion Ratio Lower Upper
99 100
42 19.1 16.2 24.2
71 32.3 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 2.303 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142549.D
Acq: 23 May 2025 21:51

Tgt Ion: 70 Resp: 9540
Ion Ratio Lower Upper
70 100
42 55.2 52.4 78.6
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#

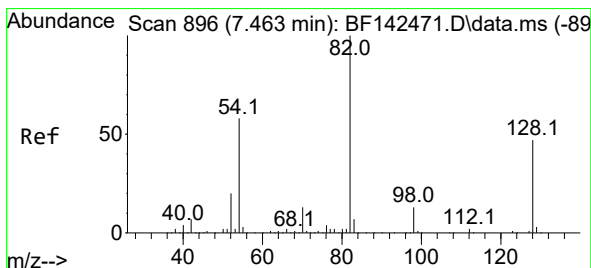
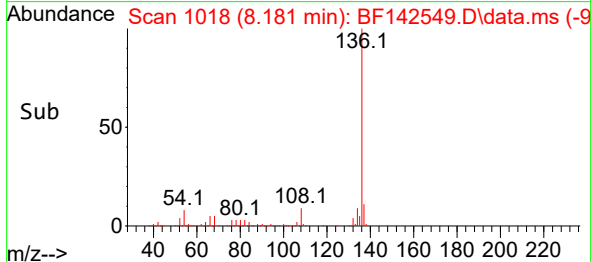
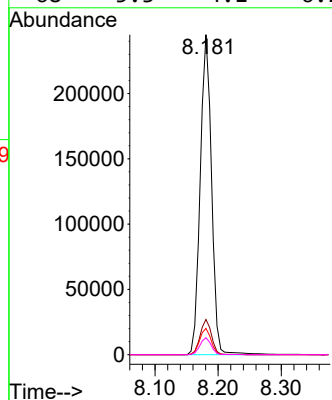
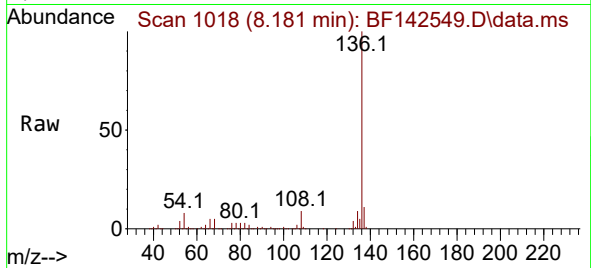




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142549.D
Acq: 23 May 2025 21:51

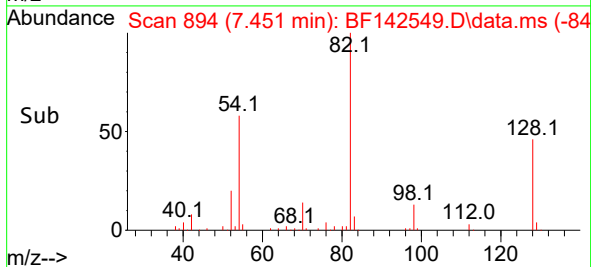
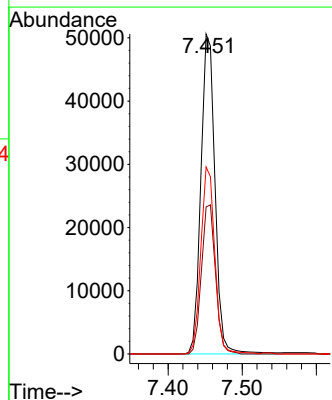
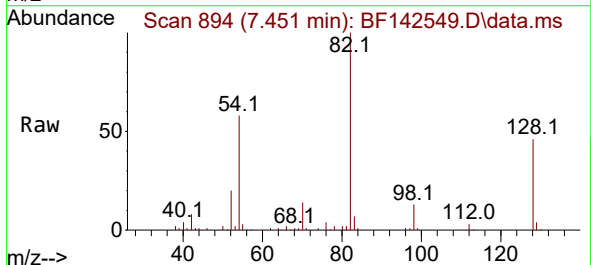
Instrument :
BNA_F
ClientSampleId :
HD-02-05222025

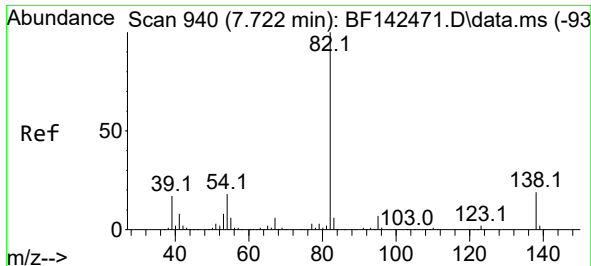
Tgt Ion:136 Resp: 305694
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.2 6.6 10.0
68 5.3 4.1 6.1



#23
Nitrobenzene-d5
Concen: 11.969 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142549.D
Acq: 23 May 2025 21:51

Tgt Ion: 82 Resp: 67097
Ion Ratio Lower Upper
82 100
128 45.9 37.4 56.2
54 58.5 46.6 70.0

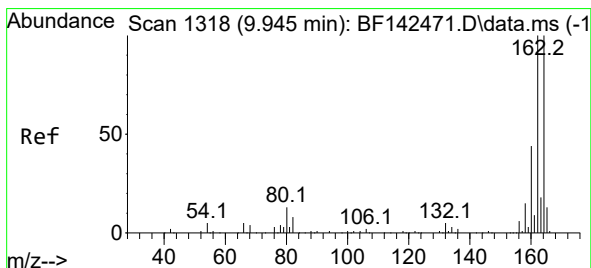
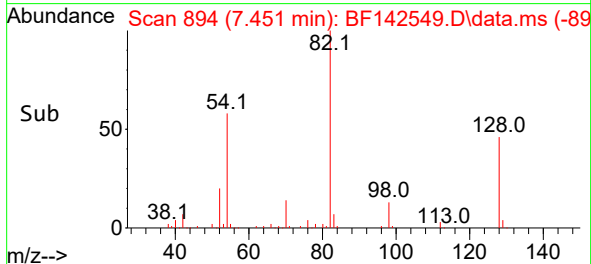
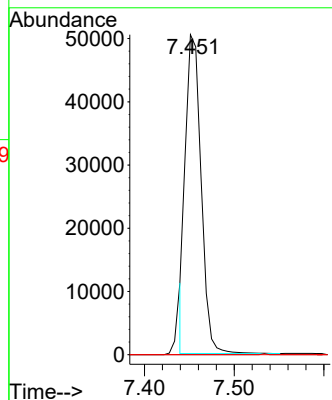
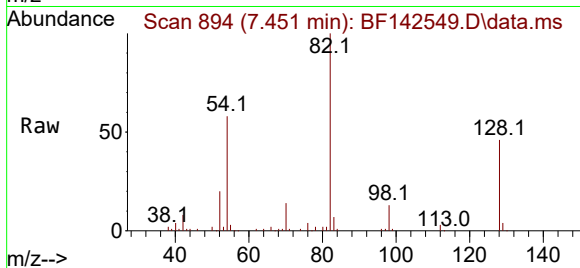




#25
Isophorone
Concen: 6.517 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142549.D
Acq: 23 May 2025 21:51

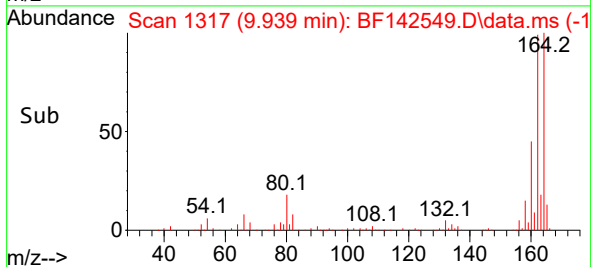
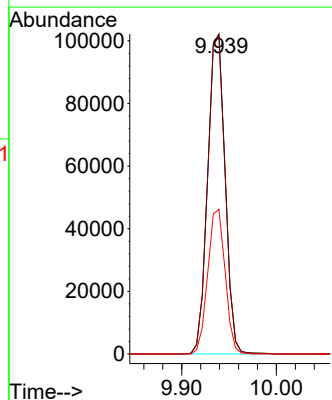
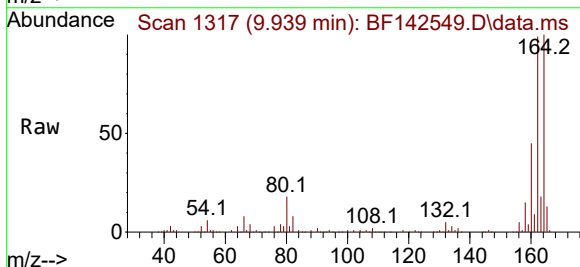
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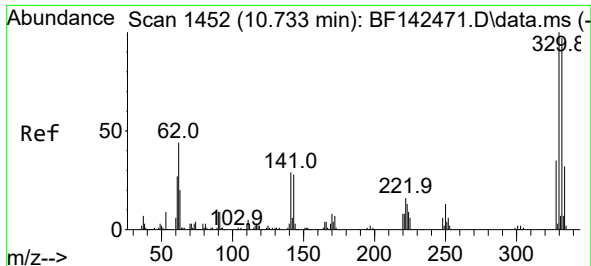
Tgt Ion: 82 Resp: 61084
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142549.D
Acq: 23 May 2025 21:51

Tgt Ion:164 Resp: 130960
Ion Ratio Lower Upper
164 100
162 99.3 80.2 120.4
160 45.2 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 18.191 ng

RT: 10.722 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF142549.D

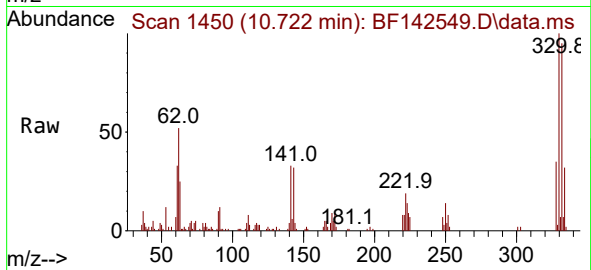
Acq: 23 May 2025 21:51

Instrument :

BNA_F

ClientSampleId :

HD-02-05222025



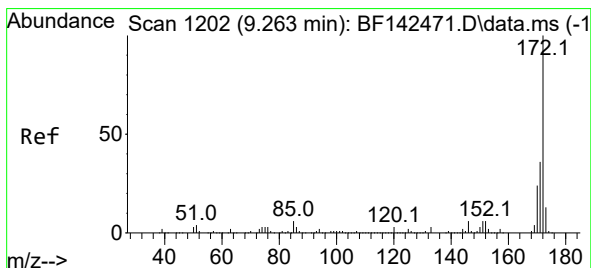
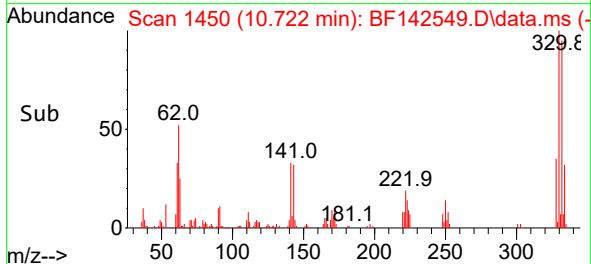
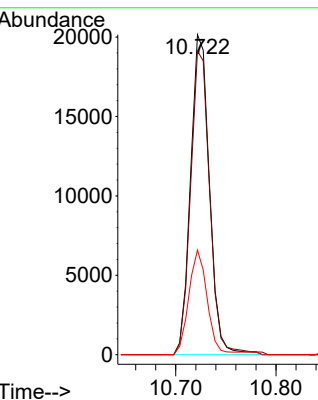
Tgt Ion:330 Resp: 26441

Ion Ratio Lower Upper

330 100

332 96.1 77.6 116.4

141 32.0 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 13.166 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF142549.D

Acq: 23 May 2025 21:51

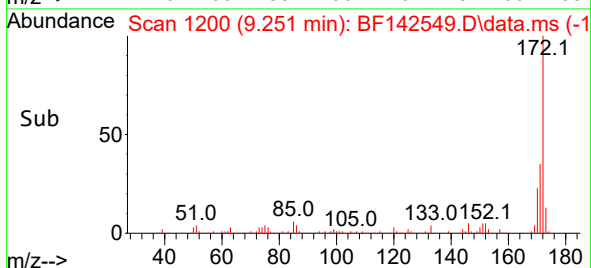
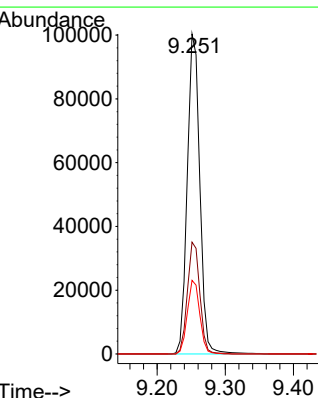
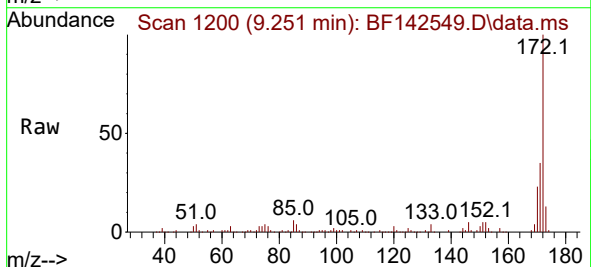
Tgt Ion:172 Resp: 128497

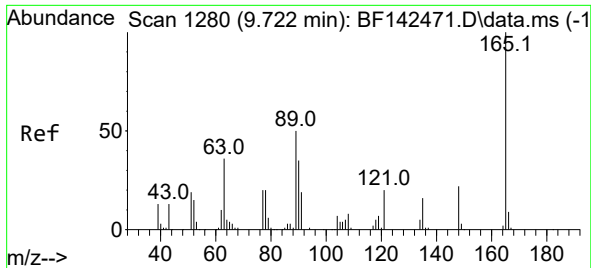
Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 23.0 18.9 28.3

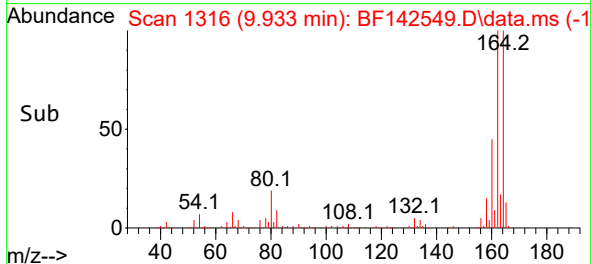
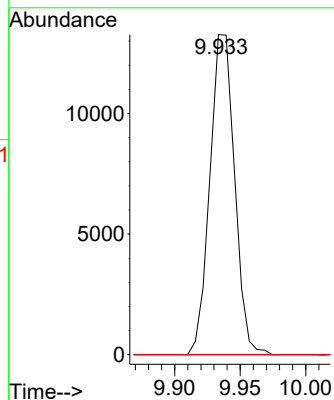
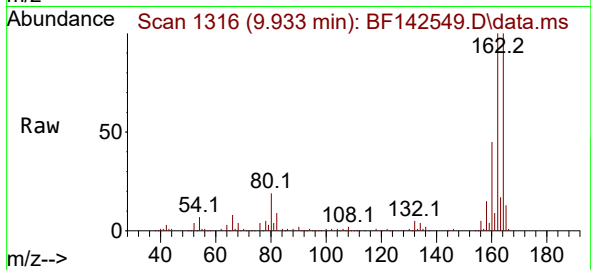




#51
2,6-Dinitrotoluene
Concen: 9.354 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142549.D
Acq: 23 May 2025 21:51

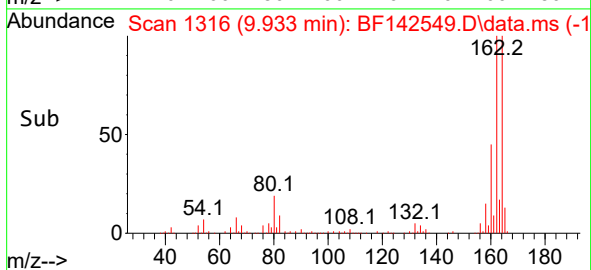
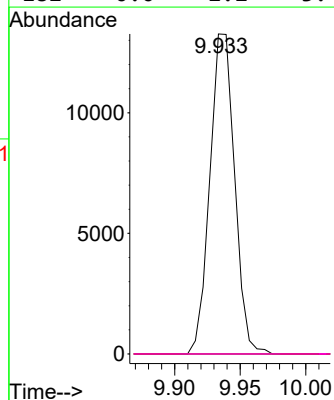
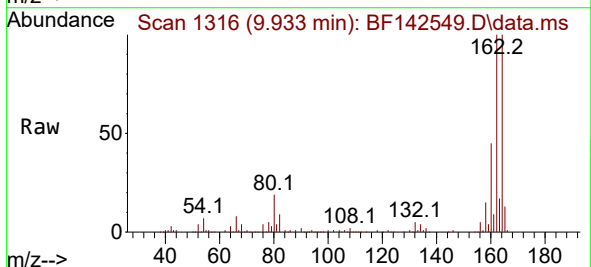
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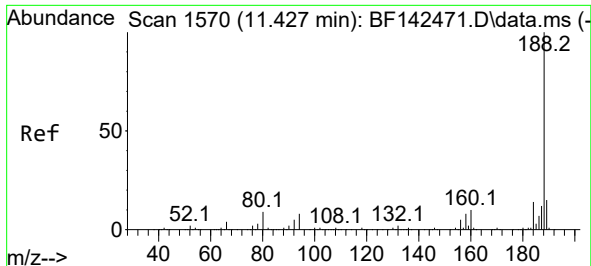
Tgt Ion:165 Resp: 17446
Ion Ratio Lower Upper
165 100
63 0.0 42.9 64.3#
89 0.0 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 7.163 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142549.D
Acq: 23 May 2025 21:51

Tgt Ion:165 Resp: 17446
Ion Ratio Lower Upper
165 100
63 0.0 33.6 50.4#
89 0.0 50.2 75.4#
182 0.0 2.2 3.4#

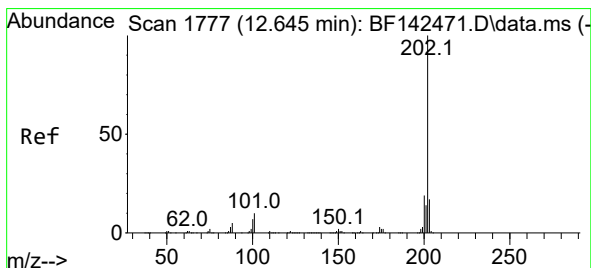
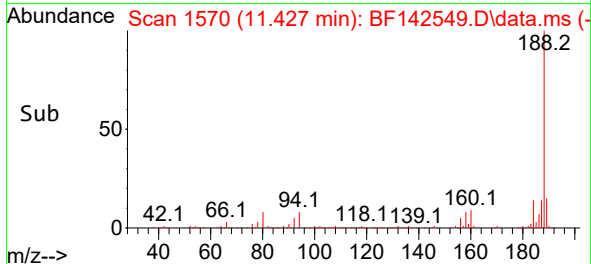
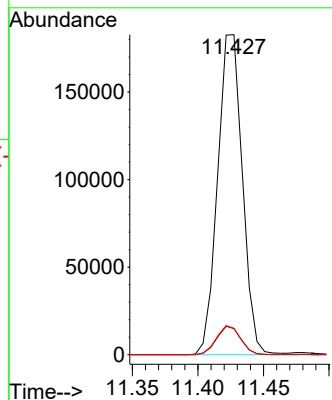
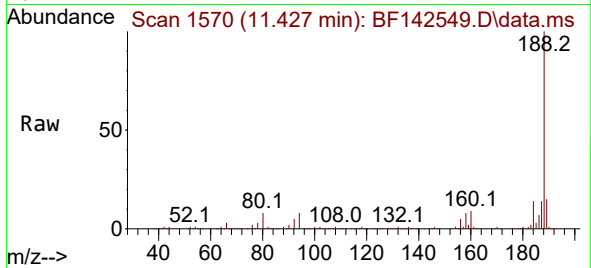




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142549.D
Acq: 23 May 2025 21:51

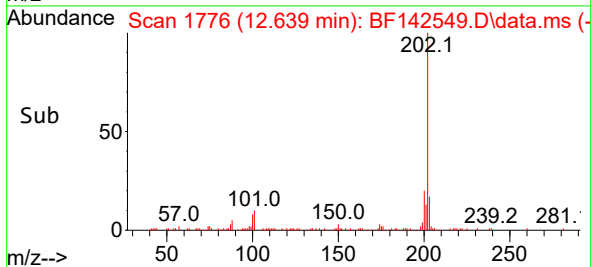
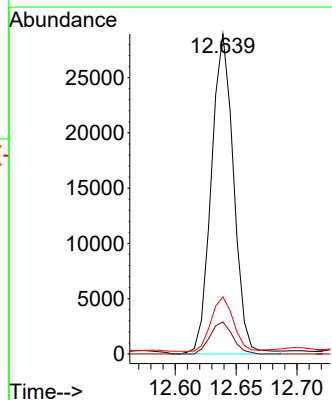
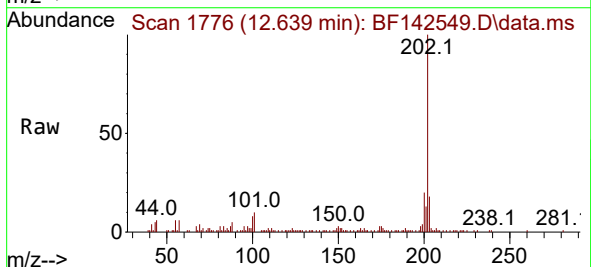
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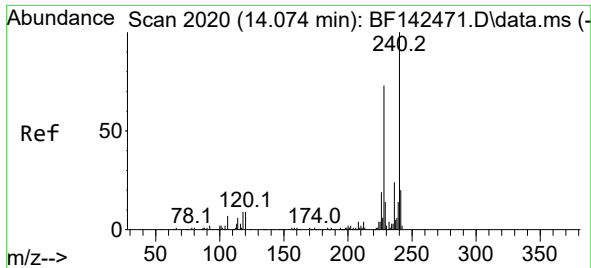
Tgt Ion:188 Resp: 239804
Ion Ratio Lower Upper
188 100
94 8.1 6.6 10.0
80 8.3 7.4 11.0



#75
Fluoranthene
Concen: 3.080 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142549.D
Acq: 23 May 2025 21:51

Tgt Ion:202 Resp: 36887
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.6
203 17.9 0.0 37.2

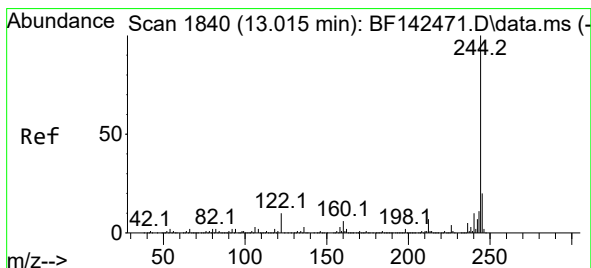
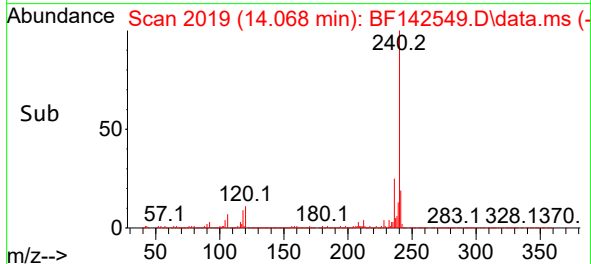
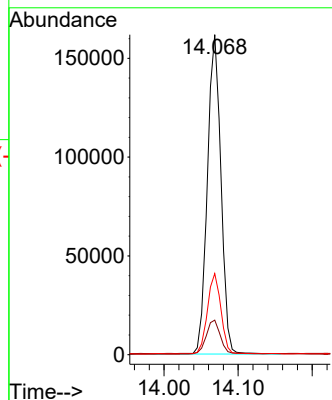
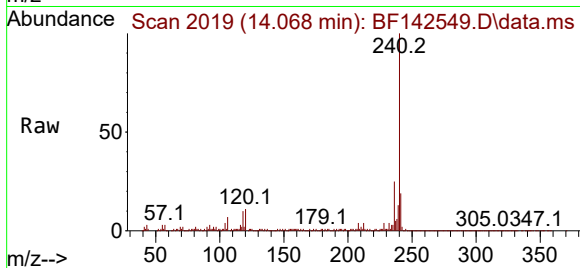




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142549.D
Acq: 23 May 2025 21:51

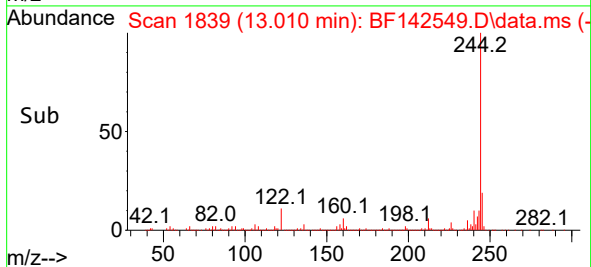
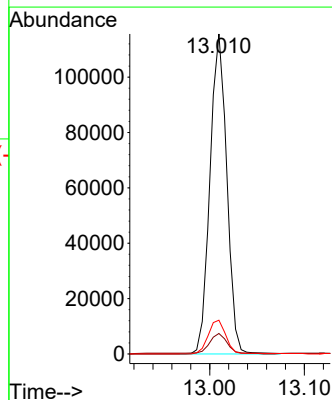
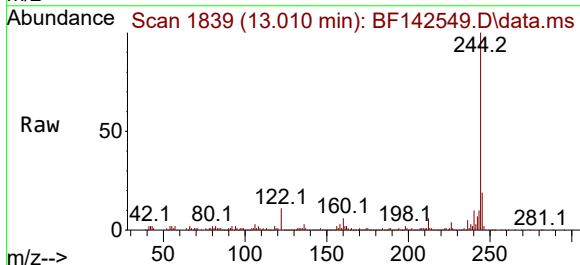
Instrument :
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ClientSampleId :
HD-02-05222025

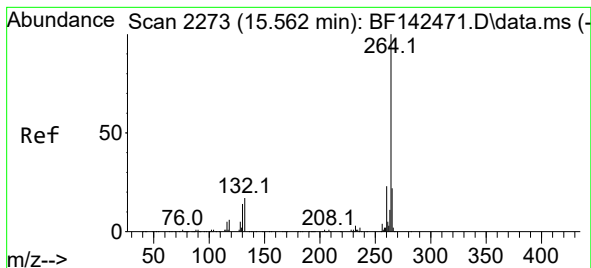
Tgt Ion:240 Resp: 205135
Ion Ratio Lower Upper
240 100
120 10.8 7.5 11.3
236 25.4 19.6 29.4



#79
Terphenyl-d14
Concen: 9.489 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142549.D
Acq: 23 May 2025 21:51

Tgt Ion:244 Resp: 142448
Ion Ratio Lower Upper
244 100
212 6.4 5.3 7.9
122 10.6 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142549.D

Acq: 23 May 2025 21:51

Instrument :

BNA_F

ClientSampleId :

HD-02-05222025

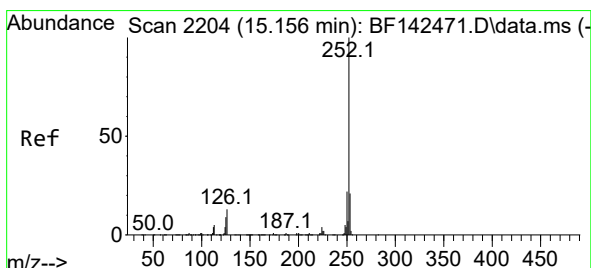
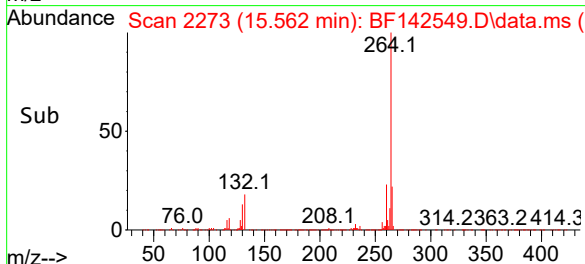
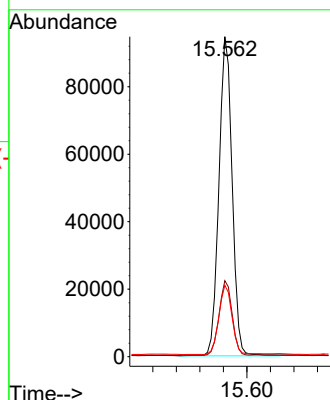
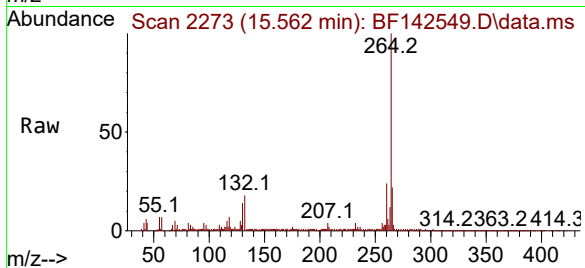
Tgt Ion:264 Resp: 147529

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 22.3 17.7 26.5



#89

Benzo(k)fluoranthene

Concen: 2.115 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.041 min

Lab File: BF142549.D

Acq: 23 May 2025 21:51

Tgt Ion:252 Resp: 17294

Ion Ratio Lower Upper

252 100

253 33.3 17.0 25.4#

125 27.8 7.3 10.9#

