

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142548.D
 Acq On : 23 May 2025 21:22
 Operator : RC/JU
 Sample : Q2112-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-05222025

Quant Time: May 23 22:55:46 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)

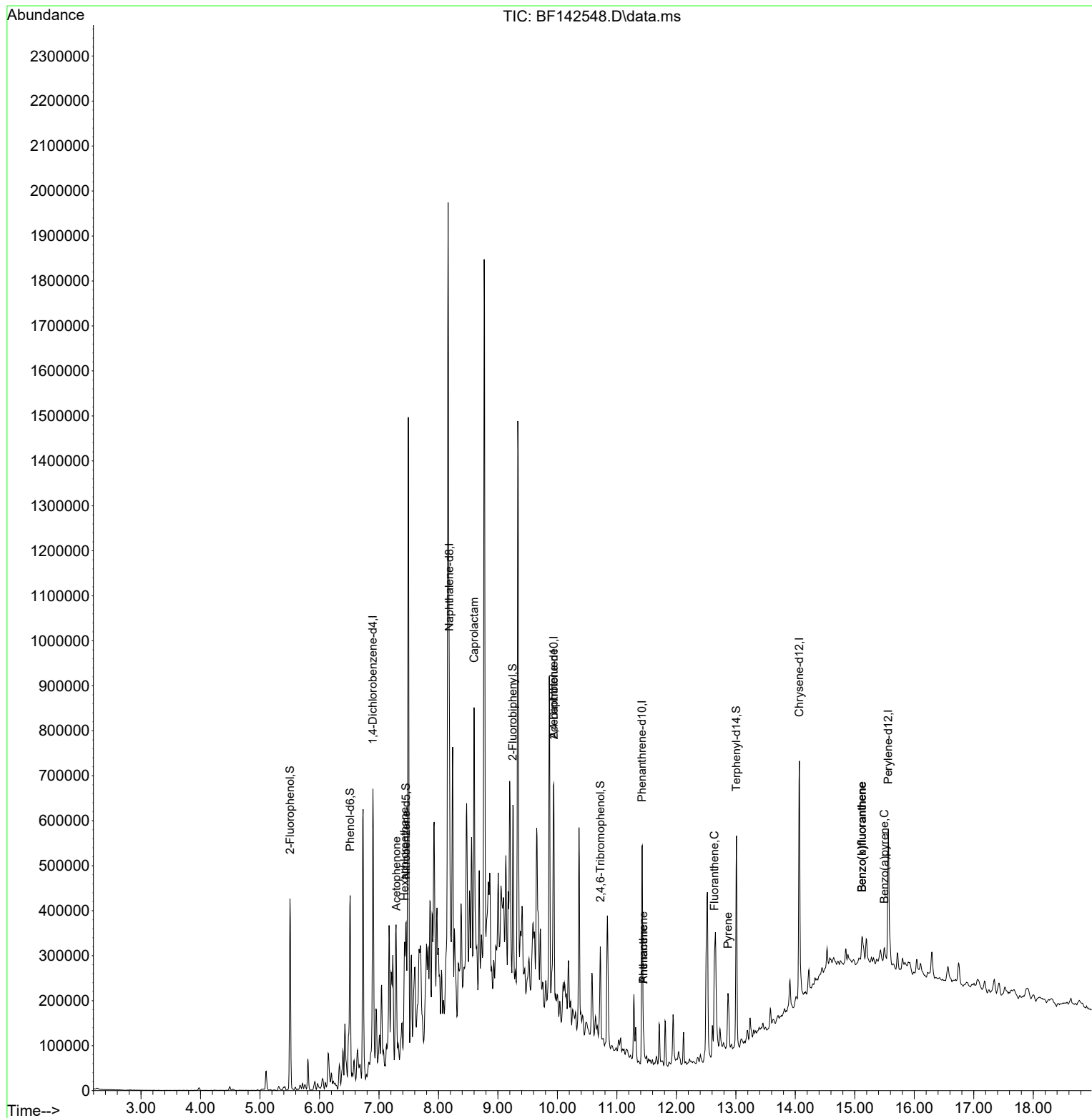
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	110016	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	351970	20.000	ng	# 0.00
39) Acenaphthene-d10	9.939	164	147389	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	263408	20.000	ng	-0.01
76) Chrysene-d12	14.069	240	242244	20.000	ng	0.00
86) Perylene-d12	15.563	264	175543	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	158191	24.225	ng	-0.01
7) Phenol-d6	6.516	99	182810	23.256	ng	-0.02
23) Nitrobenzene-d5	7.451	82	106260	16.462	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	36356	22.225	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	192384	17.515	ng	-0.02
79) Terphenyl-d14	13.010	244	223825	12.626	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.428	117	10151	3.636	ng	# 1
22) Acetophenone	7.293	105	40192	5.158	ng	# 45
35) Caprolactam	8.598	113	15916	11.359	ng	# 1
57) 2,4-Dinitrotoluene	9.939	165	21852	7.972	ng	# 30
71) Phenanthrene	11.445	178	30906	2.195	ng	99
72) Anthracene	11.445	178	30906	2.151	ng	98
75) Fluoranthene	12.639	202	61628	4.685	ng	97
78) Pyrene	12.869	202	64046	2.834	ng	98
88) Benzo(b)fluoranthene	15.121	252	38845	3.739	ng	# 75
89) Benzo(k)fluoranthene	15.121	252	38845	3.992	ng	# 75
90) Benzo(a)pyrene	15.498	252	20429	2.086	ng	# 78

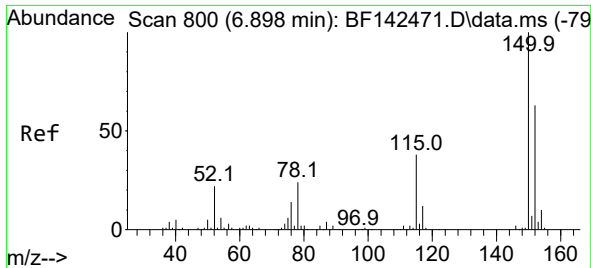
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
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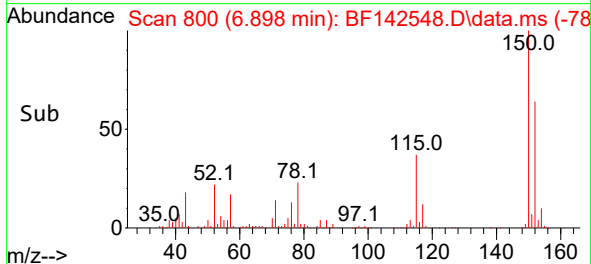
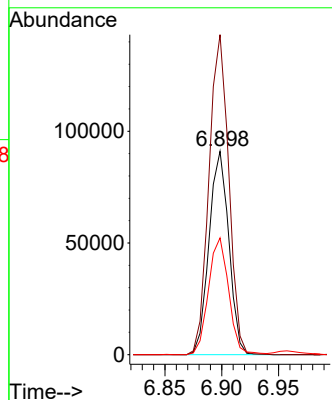
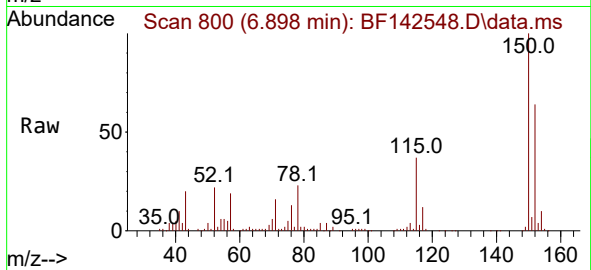




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

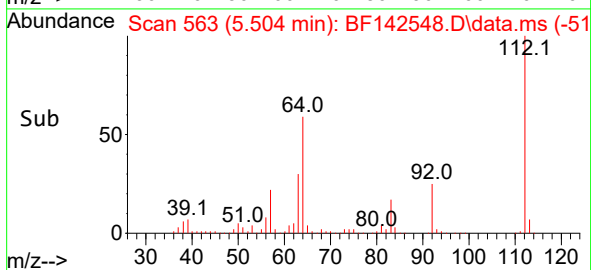
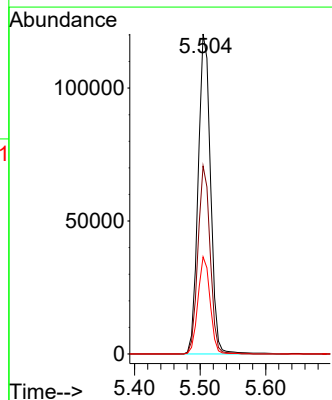
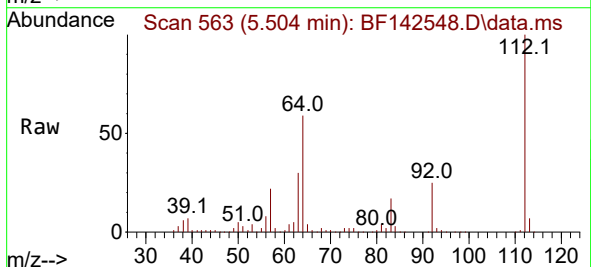
Instrument :
BNA_F
ClientSampleId :
EO-03-05222025

Tgt Ion:152 Resp: 110016
Ion Ratio Lower Upper
152 100
150 157.3 128.2 192.4
115 57.4 48.3 72.5



#5
2-Fluorophenol
Concen: 24.225 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

Tgt Ion:112 Resp: 158191
Ion Ratio Lower Upper
112 100
64 58.8 47.5 71.3
63 30.3 24.9 37.3

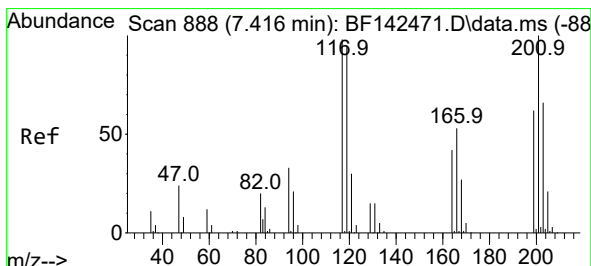
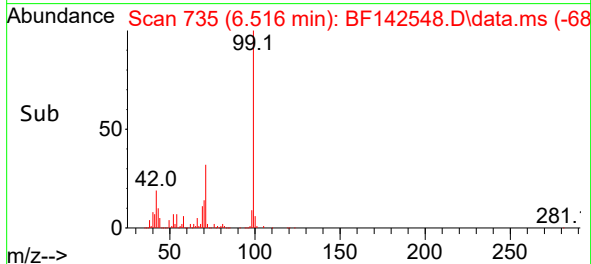
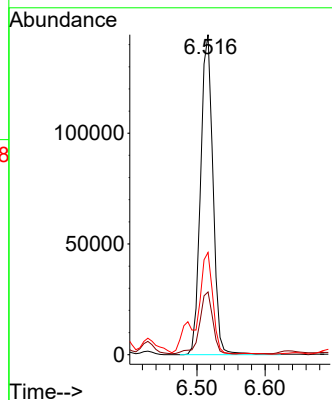
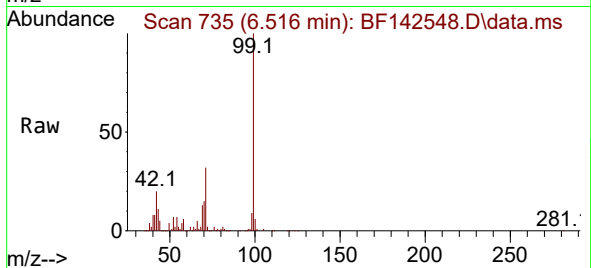




#7
Phenol-d6
Concen: 23.256 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

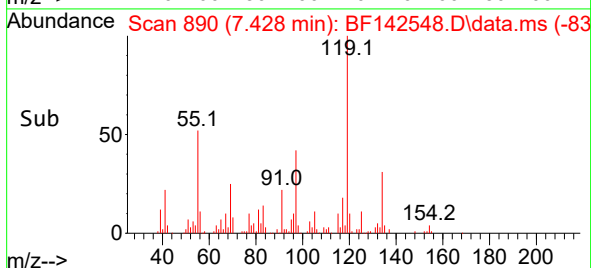
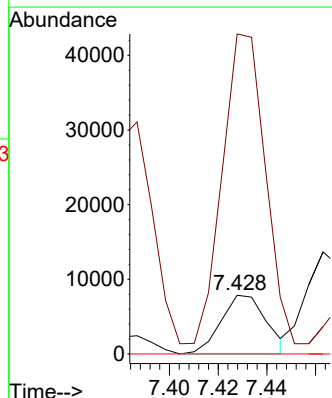
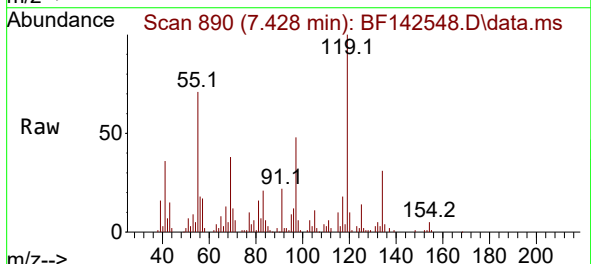
Instrument :
BNA_F
ClientSampleId :
EO-03-05222025

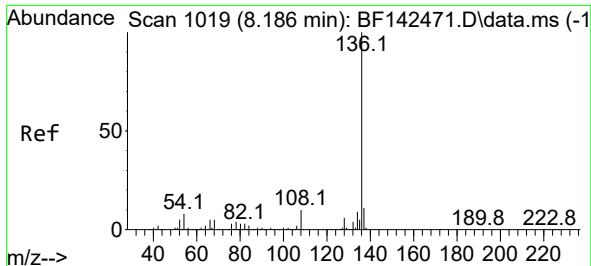
Tgt Ion: 99 Resp: 182810
Ion Ratio Lower Upper
99 100
42 19.6 16.2 24.2
71 31.9 27.3 40.9



#18
Hexachloroethane
Concen: 3.636 ng
RT: 7.428 min Scan# 890
Delta R.T. 0.012 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

Tgt Ion: 117 Resp: 10151
Ion Ratio Lower Upper
117 100
119 545.4 76.6 114.8#
201 0.0 81.3 121.9#

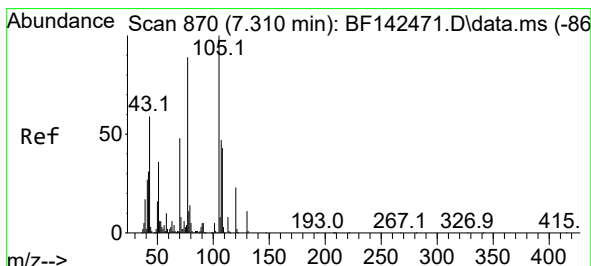
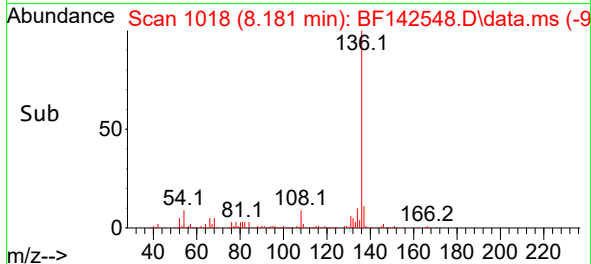
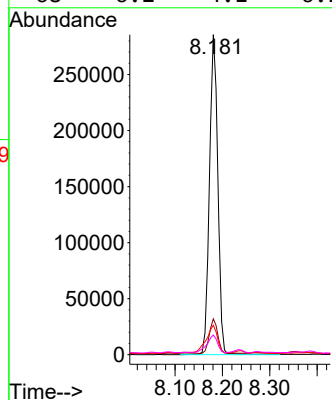
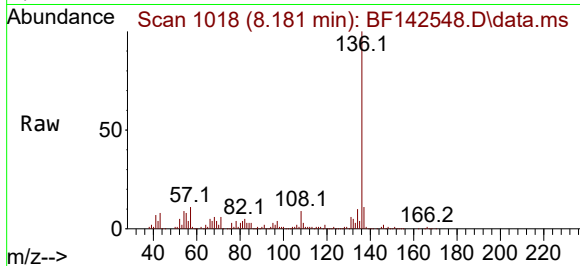




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

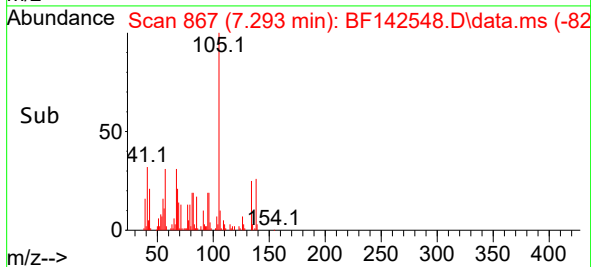
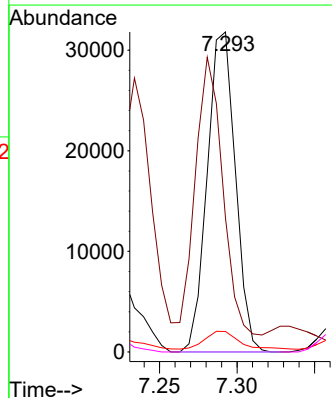
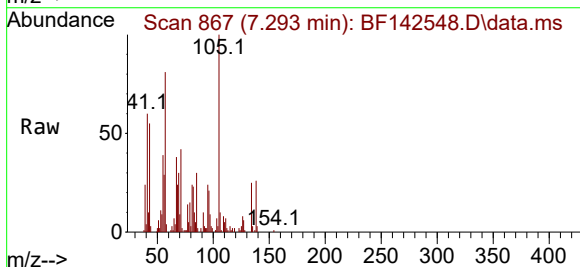
Instrument :
BNA_F
ClientSampleId :
EO-03-05222025

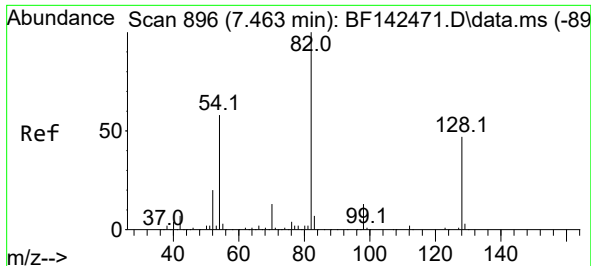
Tgt Ion:	136	Resp:	351970
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	13.0
54	9.2	6.6	10.0
68	6.2	4.1	6.1#



#22
Acetophenone
Concen: 5.158 ng
RT: 7.293 min Scan# 867
Delta R.T. -0.023 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

Tgt Ion:	105	Resp:	40192
Ion Ratio	Lower	Upper	
105	100		
71	41.8	6.4	9.6#
51	6.4	28.6	42.8#
120	0.0	18.5	27.7#

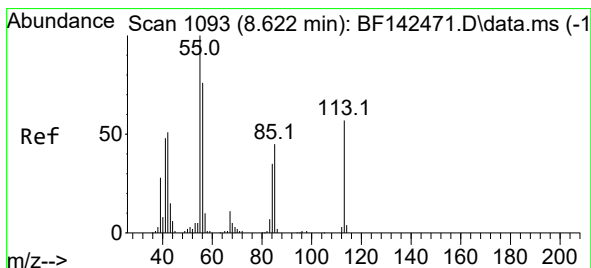
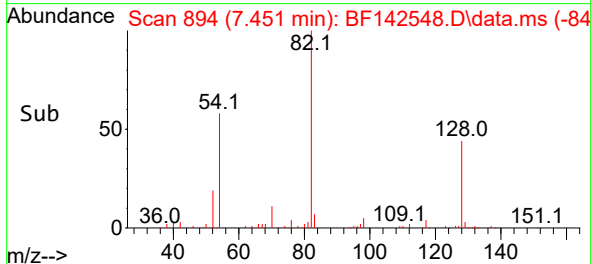
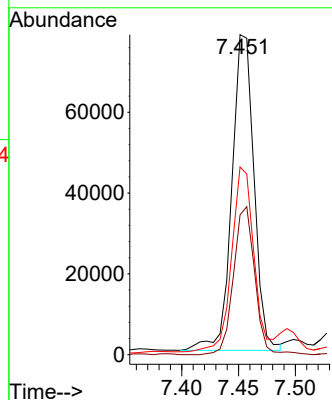
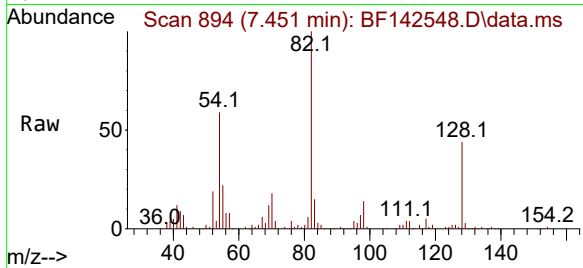




#23
Nitrobenzene-d5
Concen: 16.462 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.023 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

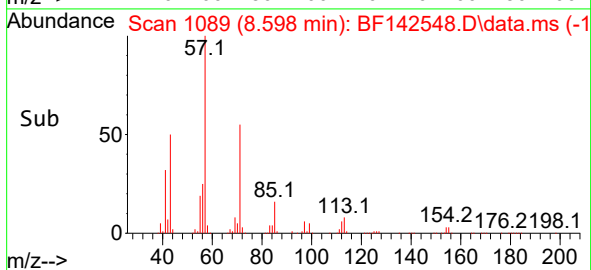
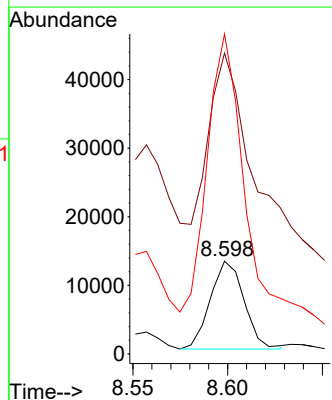
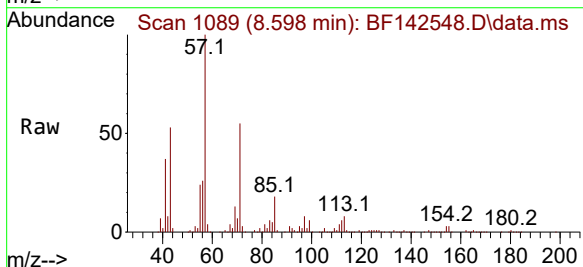
Instrument :
BNA_F
ClientSampleId :
EO-03-05222025

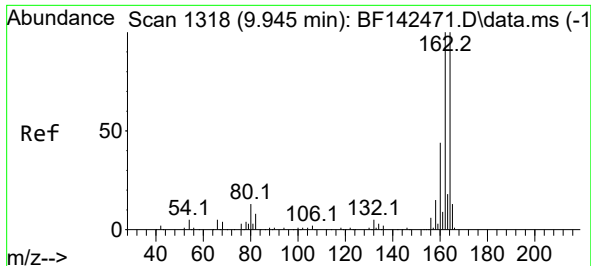
Tgt Ion: 82 Resp: 106260
Ion Ratio Lower Upper
82 100
128 43.6 37.4 56.2
54 58.6 46.6 70.0



#35
Caprolactam
Concen: 11.359 ng
RT: 8.598 min Scan# 1089
Delta R.T. -0.047 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

Tgt Ion: 113 Resp: 15916
Ion Ratio Lower Upper
113 100
55 324.0 154.7 194.7#
56 344.8 113.2 153.2#

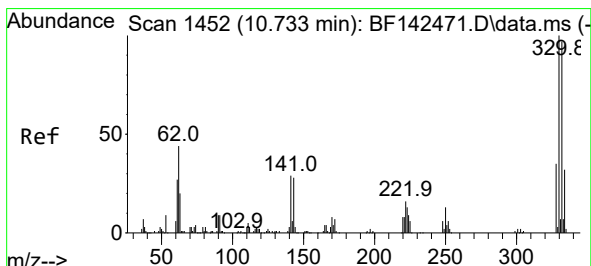
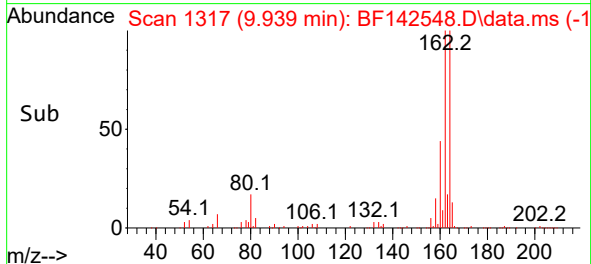
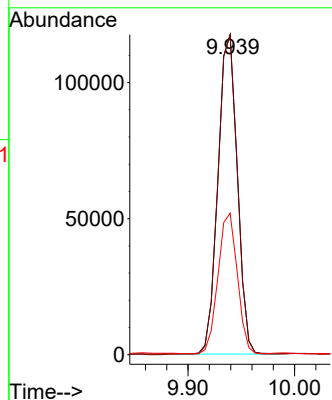
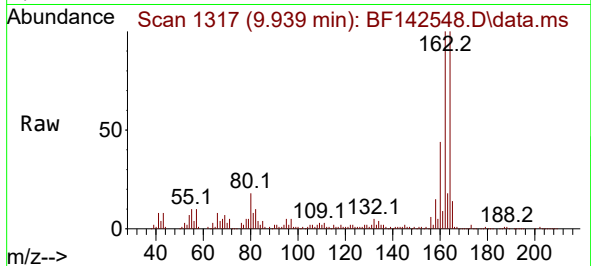




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

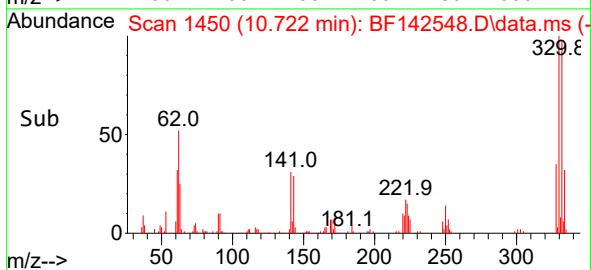
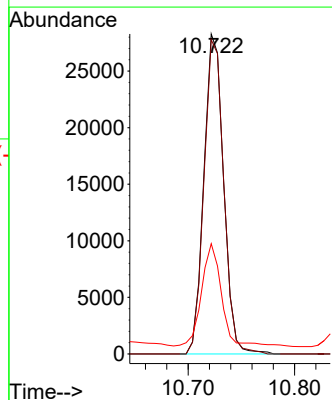
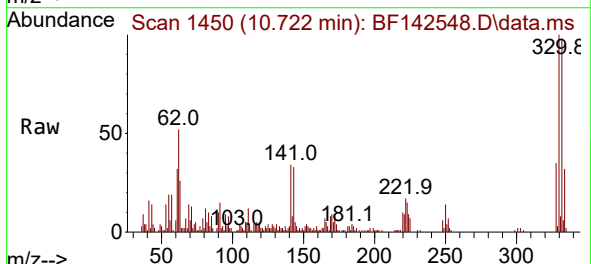
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ClientSampleId :
EO-03-05222025

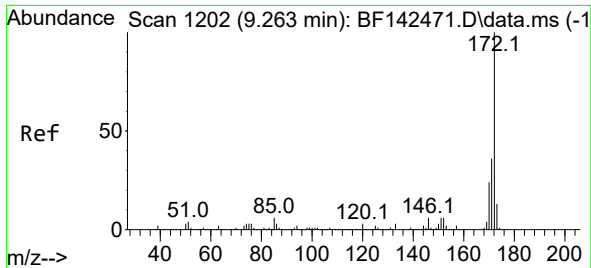
Tgt Ion:164 Resp: 147389
Ion Ratio Lower Upper
164 100
162 100.1 80.2 120.4
160 44.2 35.6 53.4



#42
2,4,6-Tribromophenol
Concen: 22.225 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

Tgt Ion:330 Resp: 36356
Ion Ratio Lower Upper
330 100
332 98.5 77.6 116.4
141 33.1 24.6 36.8

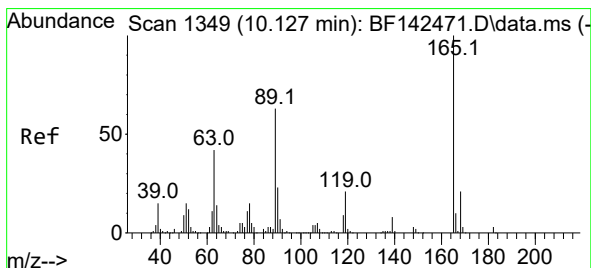
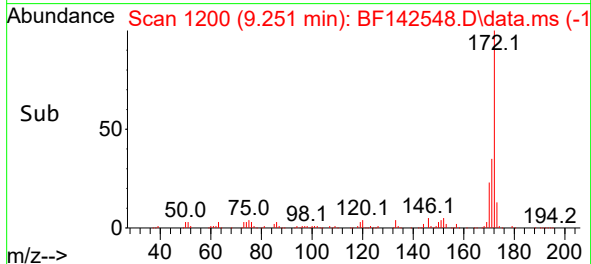
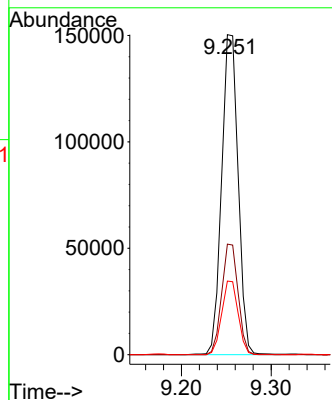
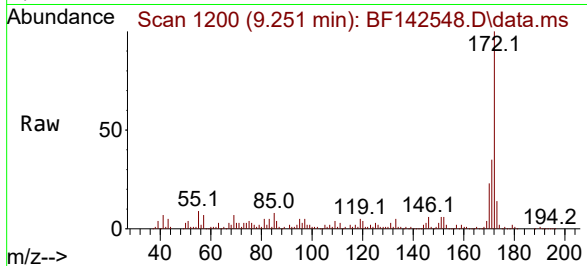




#45
2-Fluorobiphenyl
Concen: 17.515 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

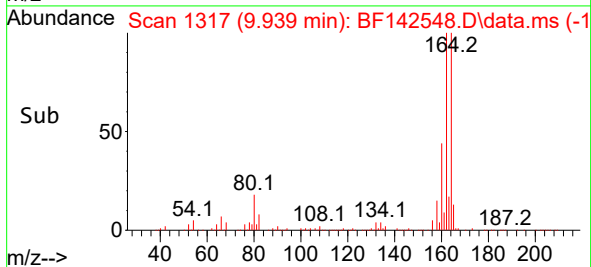
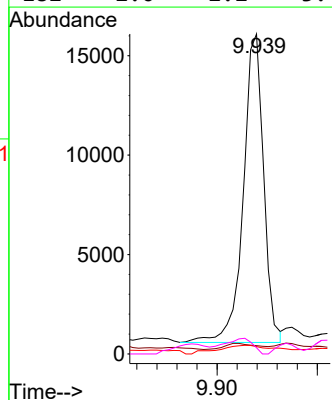
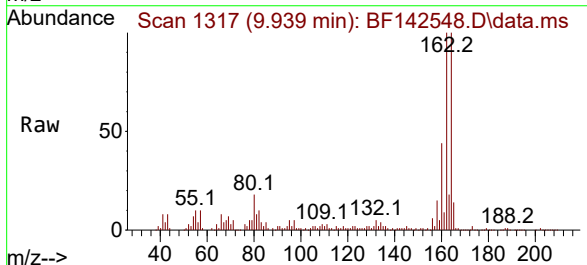
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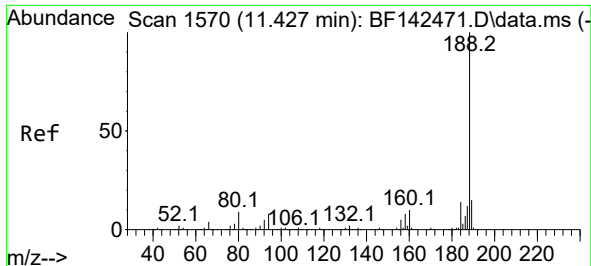
Tgt Ion:172 Resp: 192384
Ion Ratio Lower Upper
172 100
171 34.5 28.6 42.8
170 23.0 18.9 28.3



#57
2,4-Dinitrotoluene
Concen: 7.972 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.194 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

Tgt Ion:165 Resp: 21852
Ion Ratio Lower Upper
165 100
63 2.6 33.6 50.4#
89 2.3 50.2 75.4#
182 2.0 2.2 3.4#

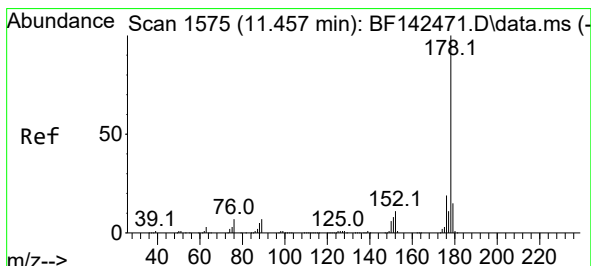
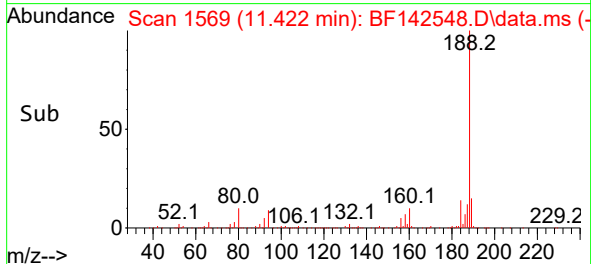
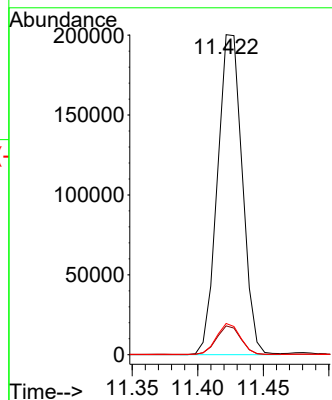
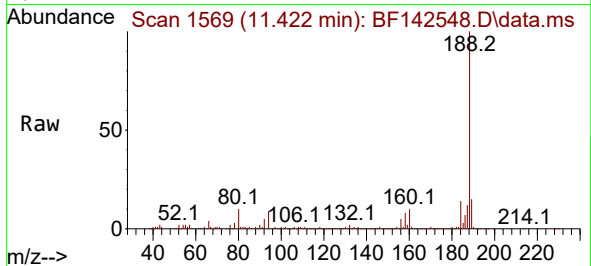




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

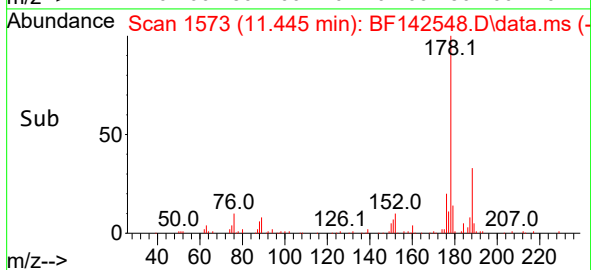
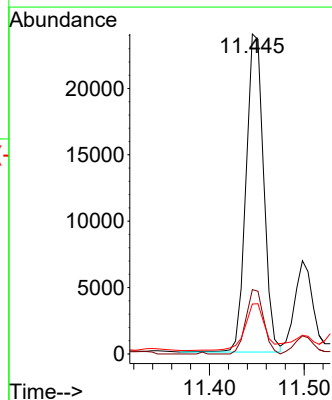
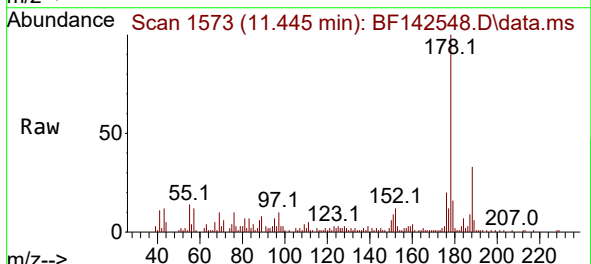
Instrument :
BNA_F
ClientSampleId :
EO-03-05222025

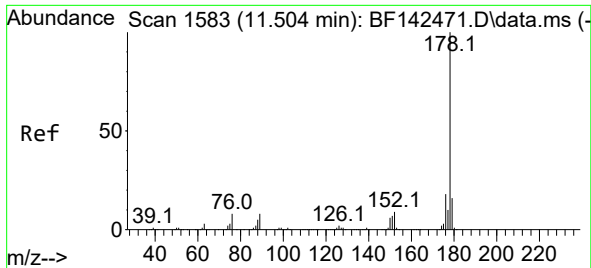
Tgt Ion:188 Resp: 263408
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.7 7.4 11.0



#71
Phenanthrene
Concen: 2.195 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

Tgt Ion:178 Resp: 30906
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.0
179 15.6 12.3 18.5

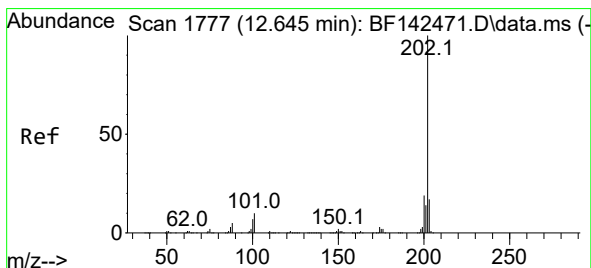
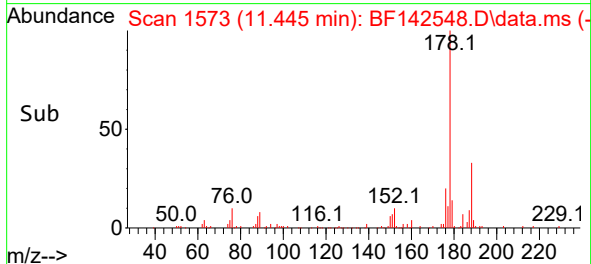
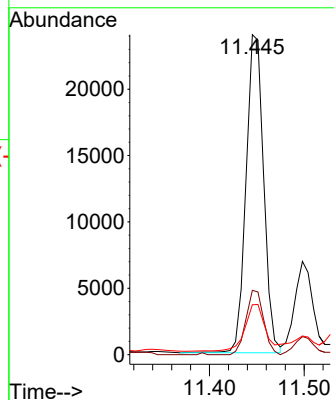
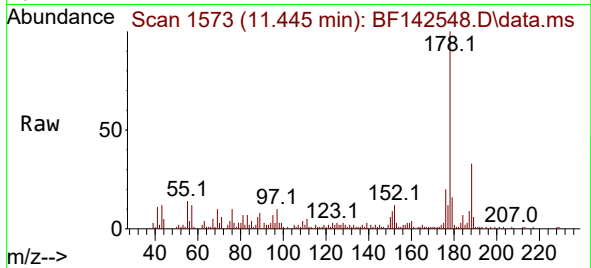




#72
Anthracene
Concen: 2.151 ng
RT: 11.445 min Scan# 1583
Delta R.T. -0.065 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

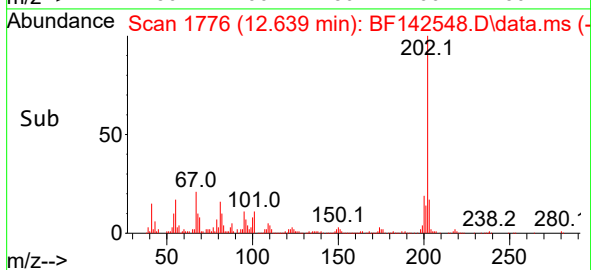
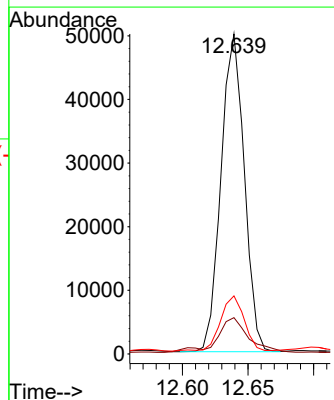
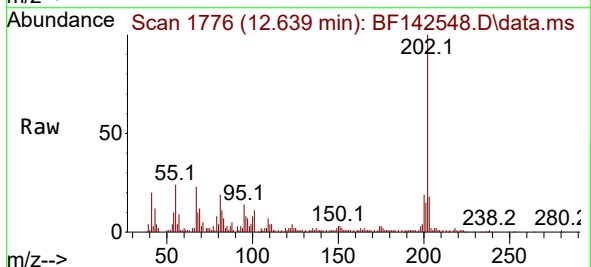
Instrument :
BNA_F
ClientSampleId :
EO-03-05222025

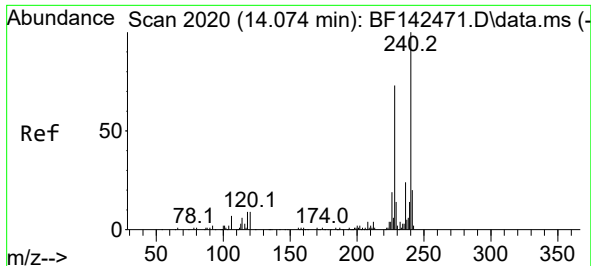
Tgt Ion:178 Resp: 30906
Ion Ratio Lower Upper
178 100
176 20.1 14.6 21.8
179 15.6 12.4 18.6



#75
Fluoranthene
Concen: 4.685 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

Tgt Ion:202 Resp: 61628
Ion Ratio Lower Upper
202 100
101 11.4 0.0 29.6
203 18.2 0.0 37.2

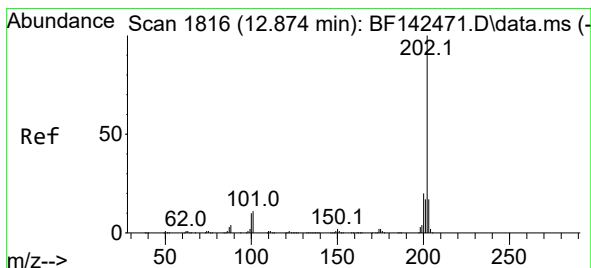
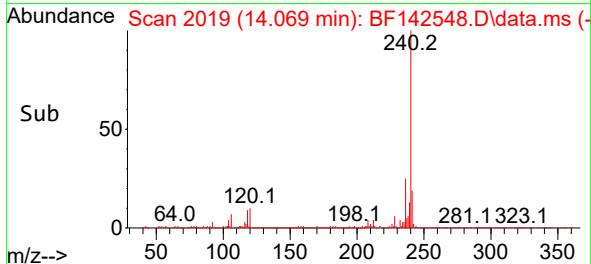
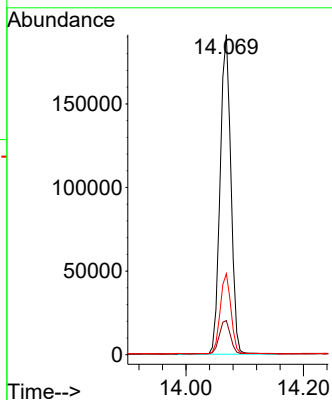
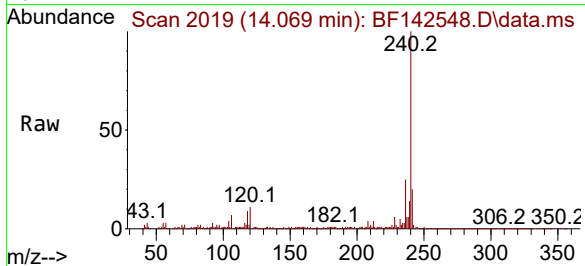




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

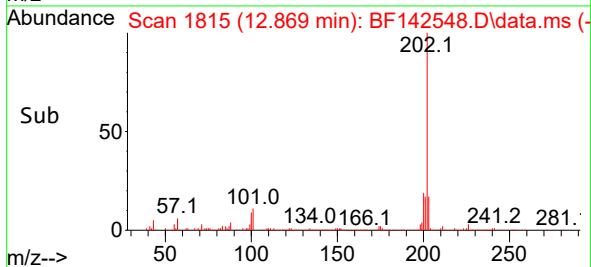
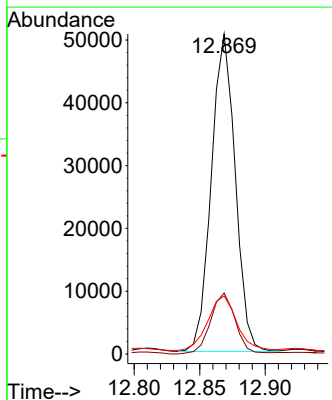
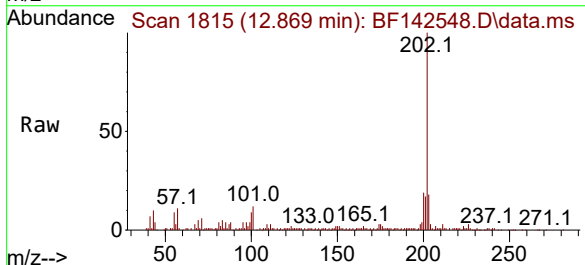
Instrument :
BNA_F
ClientSampleId :
EO-03-05222025

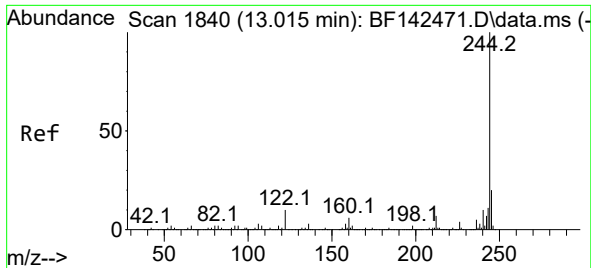
Tgt Ion:240 Resp: 242244
Ion Ratio Lower Upper
240 100
120 10.7 7.5 11.3
236 25.3 19.6 29.4



#78
Pyrene
Concen: 2.834 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

Tgt Ion:202 Resp: 64046
Ion Ratio Lower Upper
202 100
200 19.1 16.1 24.1
203 18.2 13.9 20.9

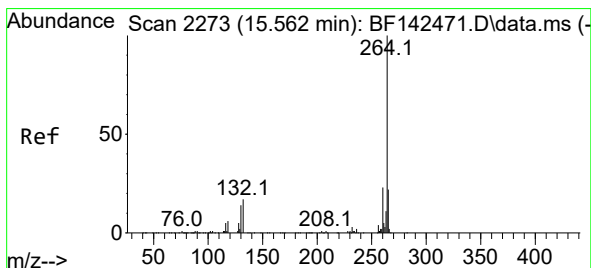
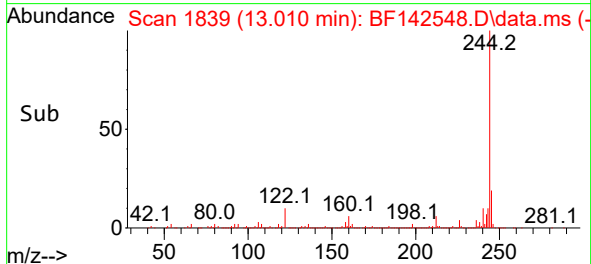
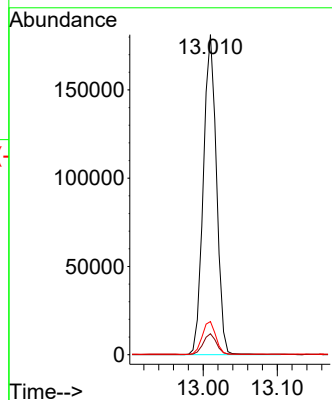
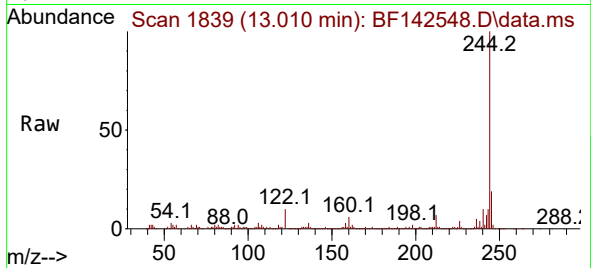




#79
 Terphenyl-d14
 Concen: 12.626 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142548.D
 Acq: 23 May 2025 21:22

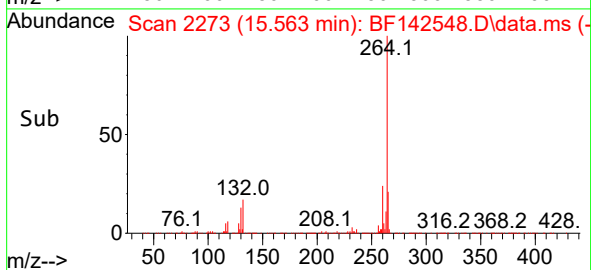
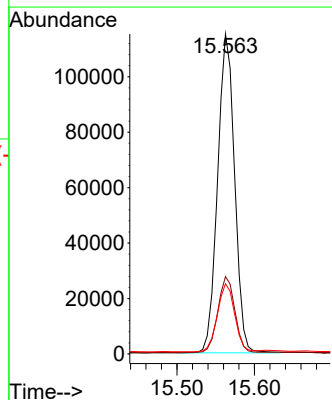
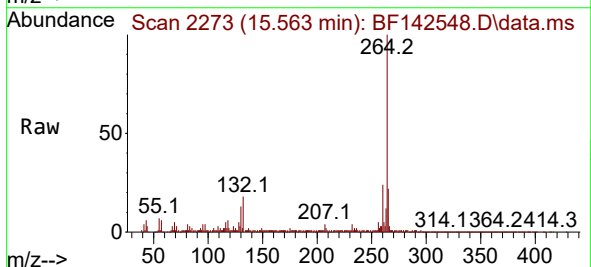
Instrument :
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 ClientSampleId :
 EO-03-05222025

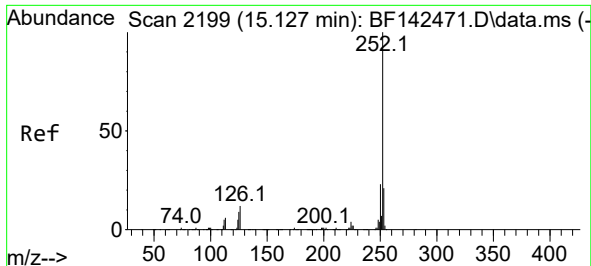
Tgt Ion:244 Resp: 223825
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.3 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.563 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF142548.D
 Acq: 23 May 2025 21:22

Tgt Ion:264 Resp: 175543
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.6 28.0
 265 21.9 17.7 26.5

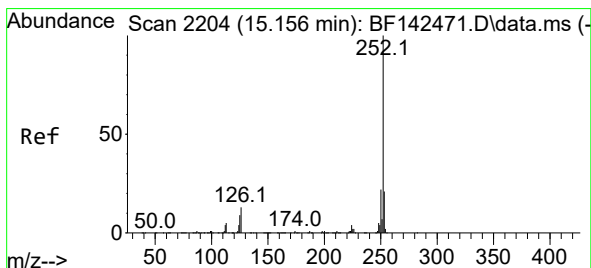
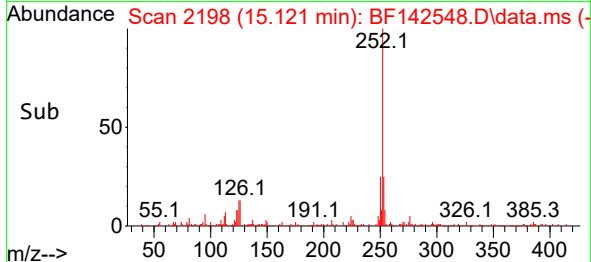
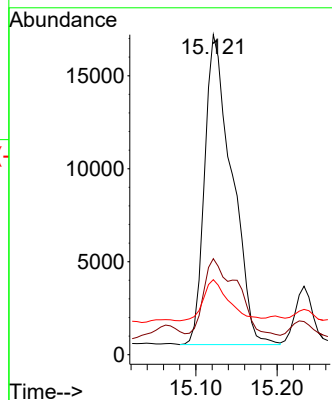
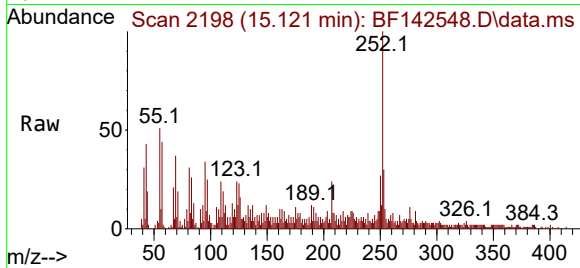




#88
Benzo(b)fluoranthene
Concen: 3.739 ng
RT: 15.121 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

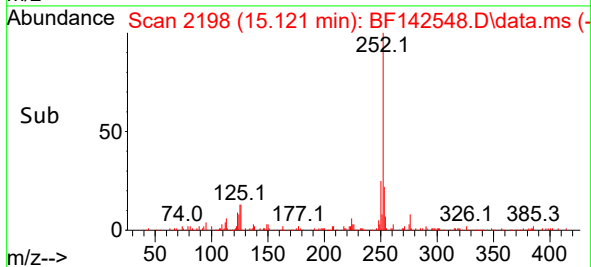
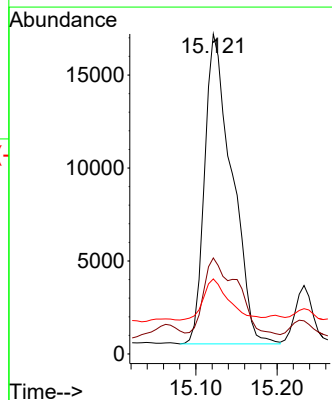
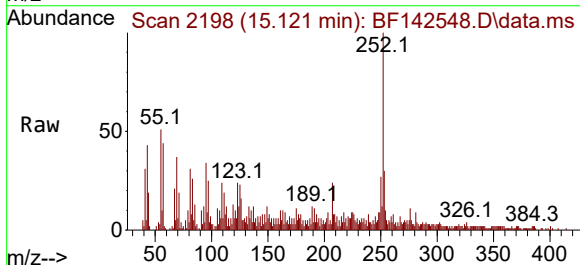
Instrument :
BNA_F
ClientSampleId :
EO-03-05222025

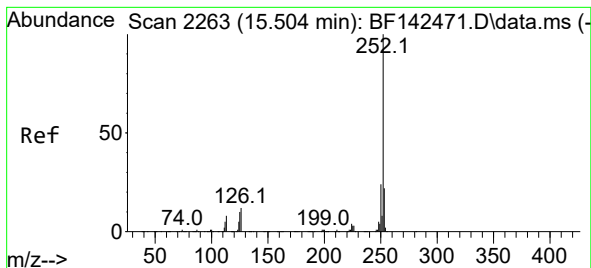
Tgt Ion:252 Resp: 38845
Ion Ratio Lower Upper
252 100
253 30.0 17.0 25.4#
125 23.5 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 3.992 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.041 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

Tgt Ion:252 Resp: 38845
Ion Ratio Lower Upper
252 100
253 30.0 17.0 25.4#
125 23.5 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 2.086 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142548.D

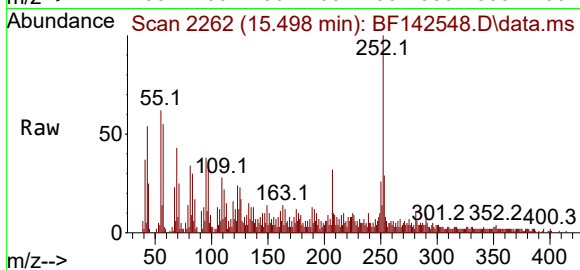
Acq: 23 May 2025 21:22

Instrument :

BNA_F

ClientSampleId :

EO-03-05222025



Tgt Ion:252 Resp: 20429

Ion Ratio Lower Upper

252 100

253 29.2 17.4 26.0#

125 23.0 7.9 11.9#

