

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142939.D
 Acq On : 01 Jul 2025 03:14
 Operator : RC/JU
 Sample : Q2457-01 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-2-062725

Quant Time: Jul 01 03:34:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

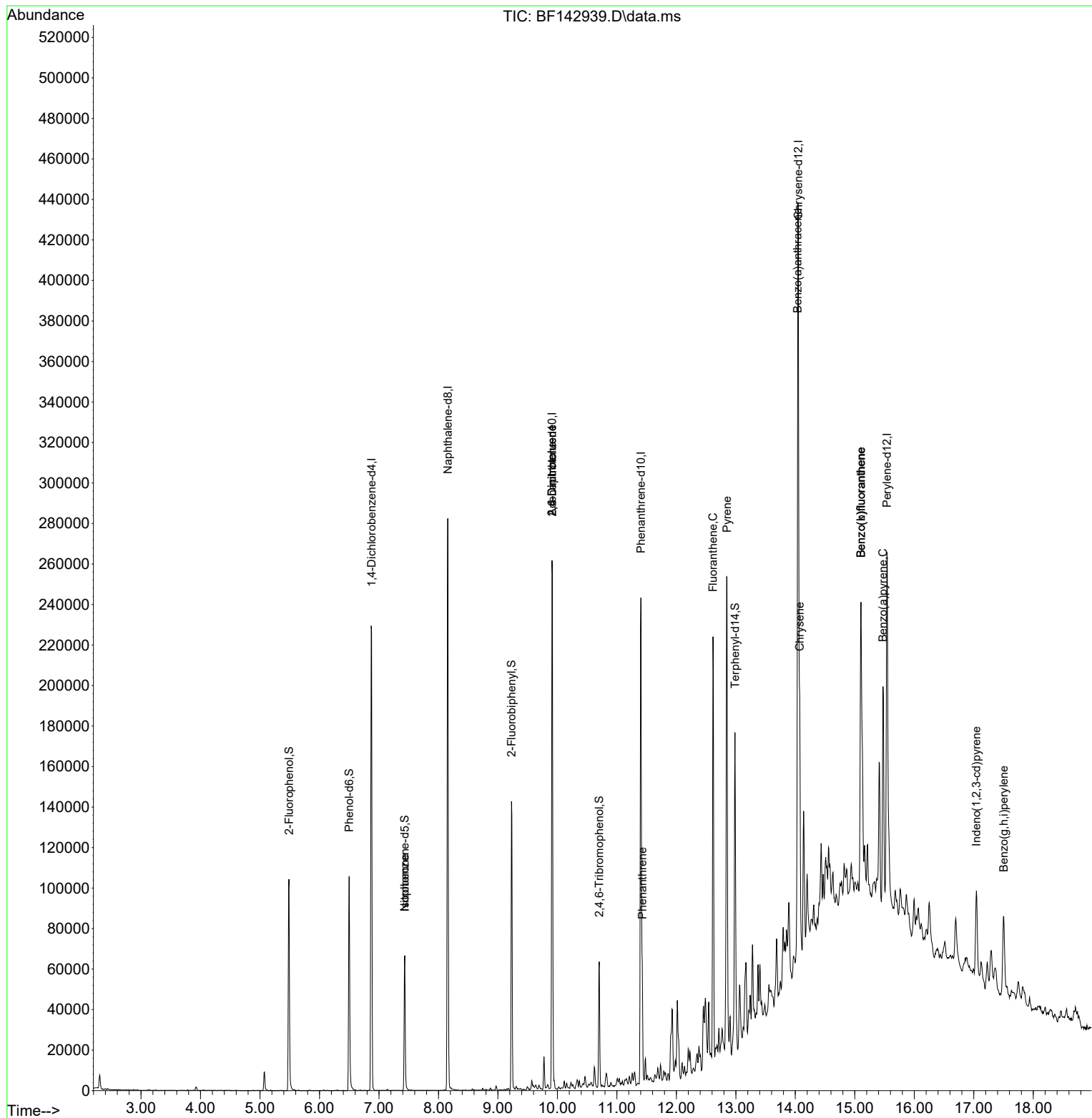
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	53399	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	183565	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	81816	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	127248	20.000	ng	0.00
76) Chrysene-d12	14.051	240	134305	20.000	ng	0.00
86) Perylene-d12	15.539	264	101409	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	44421	13.850	ng	0.00
7) Phenol-d6	6.498	99	51111	13.507	ng	-0.01
23) Nitrobenzene-d5	7.433	82	30247	9.038	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	10586	12.573	ng	-0.01
45) 2-Fluorobiphenyl	9.227	172	66978	10.754	ng	-0.02
79) Terphenyl-d14	12.986	244	69365	7.136	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.433	82	30247	5.634	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	10290	8.847	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	10290	6.661	ng	# 26
71) Phenanthrene	11.427	178	32629	4.734	ng	98
75) Fluoranthene	12.615	202	119488	18.265	ng	99
78) Pyrene	12.851	202	138733	11.020	ng	99
81) Benzo(a)anthracene	14.039	228	84058	9.278	ng	93
83) Chrysene	14.074	228	67817	8.388	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	31703	4.104	ng	95
88) Benzo(b)fluoranthene	15.104	252	120801	20.586	ng	95
89) Benzo(k)fluoranthene	15.104	252	120801	22.004	ng	95
90) Benzo(a)pyrene	15.474	252	63497	11.201	ng	98
92) Benzo(g,h,i)perylene	17.503	276	32927	5.261	ng	96

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

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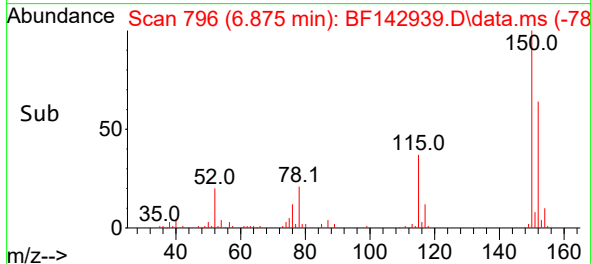
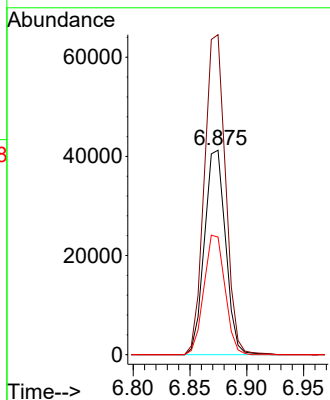
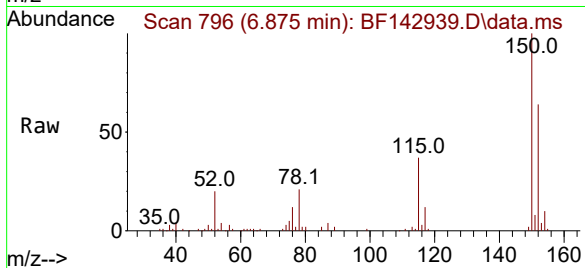




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

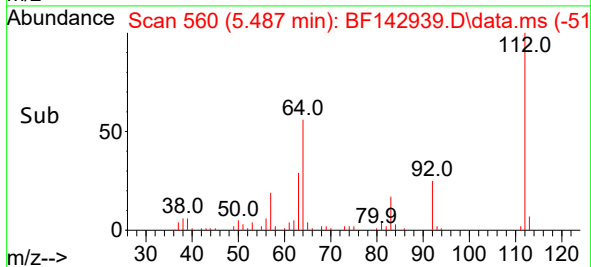
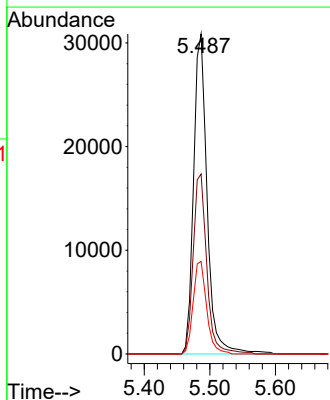
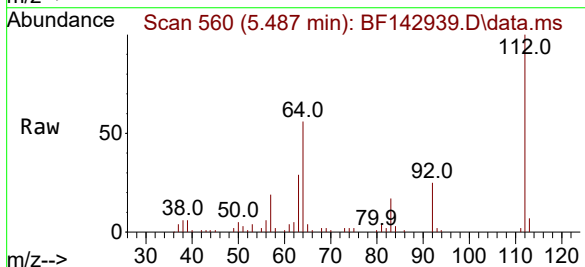
Instrument :
BNA_F
ClientSampleId :
OK-2-062725

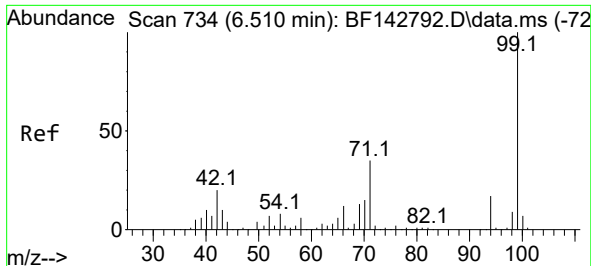
Tgt Ion:152 Resp: 53399
Ion Ratio Lower Upper
152 100
150 156.4 127.2 190.8
115 57.5 46.6 69.8



#5
2-Fluorophenol
Concen: 13.850 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion:112 Resp: 44421
Ion Ratio Lower Upper
112 100
64 56.3 48.2 72.2
63 29.0 25.7 38.5

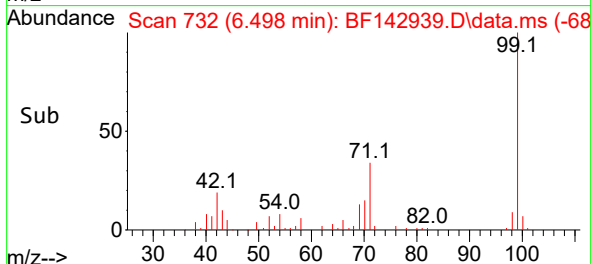
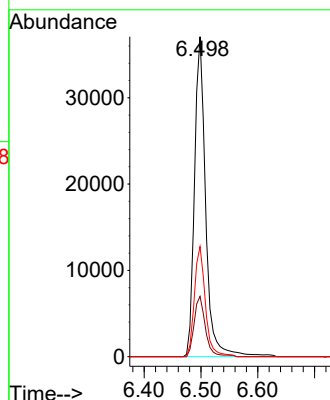
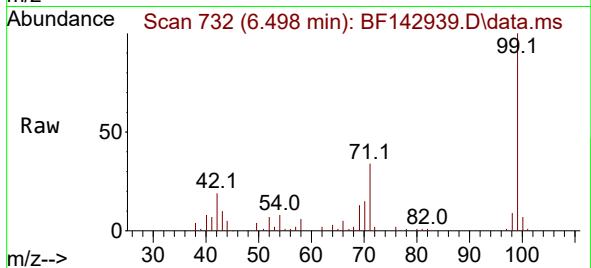




#7
Phenol-d6
Concen: 13.507 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

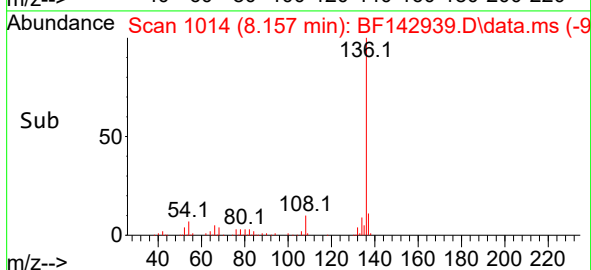
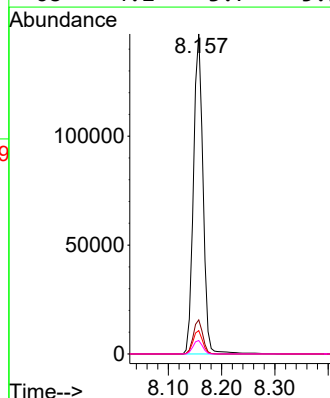
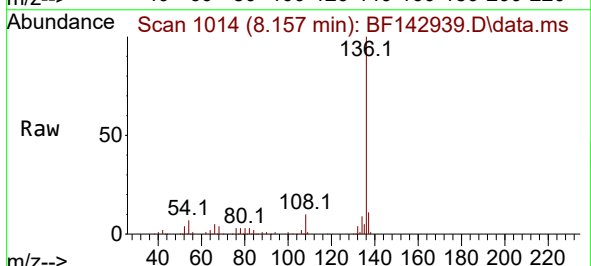
Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion: 99 Resp: 51111
Ion Ratio Lower Upper
99 100
42 18.9 15.9 23.9
71 34.4 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion: 136 Resp: 183565
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.3 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 9.038 ng

RT: 7.433 min Scan# 891

Delta R.T. -0.012 min

Lab File: BF142939.D

Acq: 01 Jul 2025 03:14

Instrument :

BNA_F

ClientSampleId :

OK-2-062725

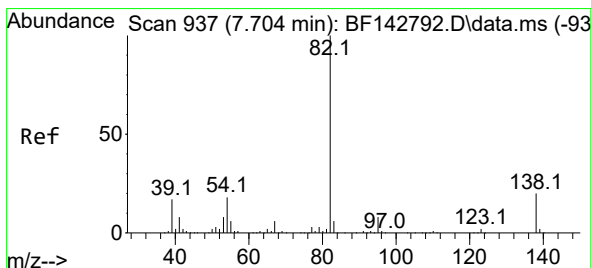
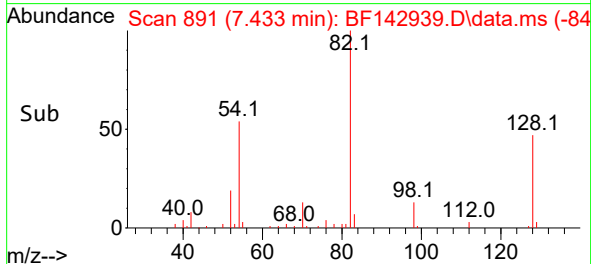
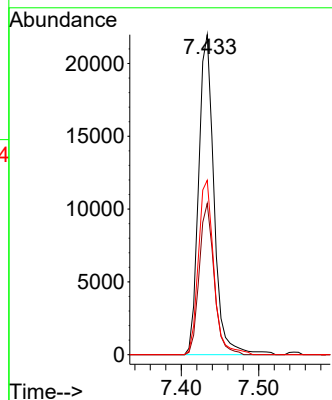
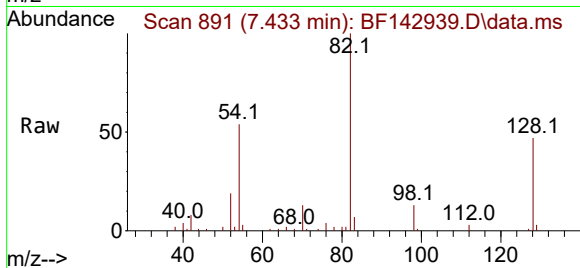
Tgt Ion: 82 Resp: 30247

Ion Ratio Lower Upper

82 100

128 47.3 37.7 56.5

54 54.5 45.7 68.5



#25

Isophorone

Concen: 5.634 ng

RT: 7.433 min Scan# 891

Delta R.T. -0.271 min

Lab File: BF142939.D

Acq: 01 Jul 2025 03:14

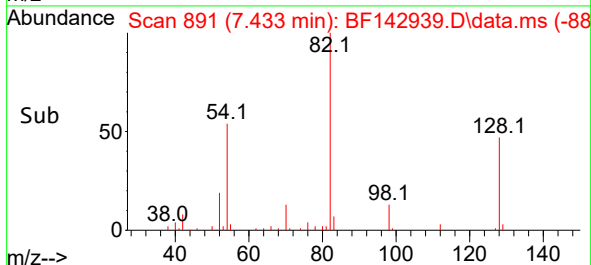
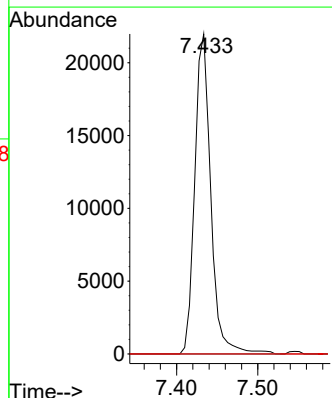
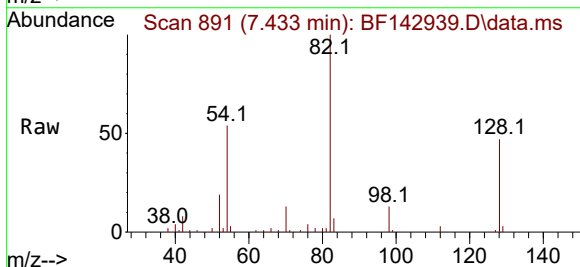
Tgt Ion: 82 Resp: 30247

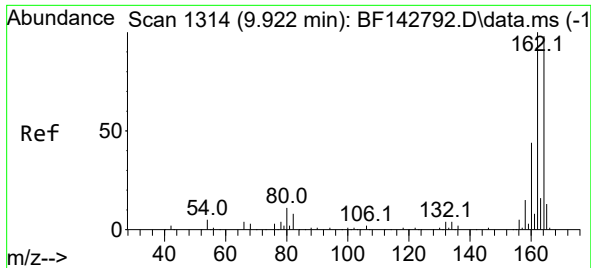
Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

138 0.0 16.2 24.4#

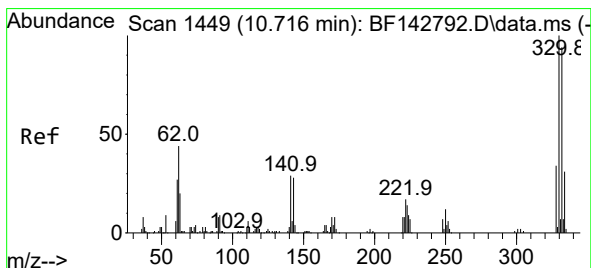
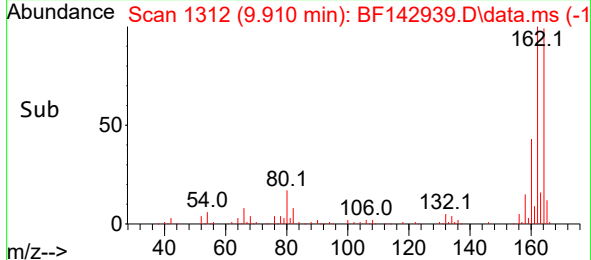
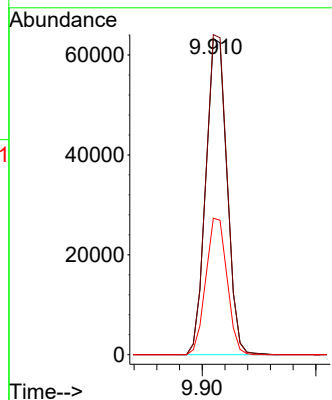
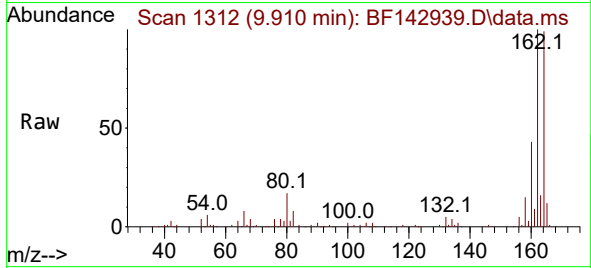




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

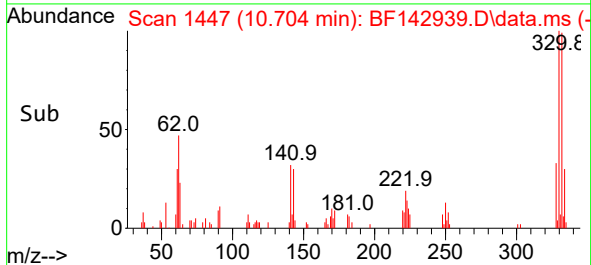
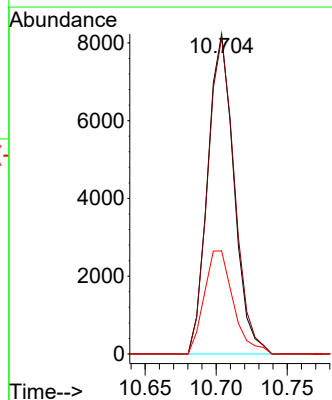
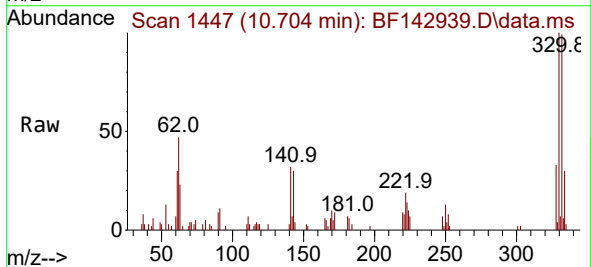
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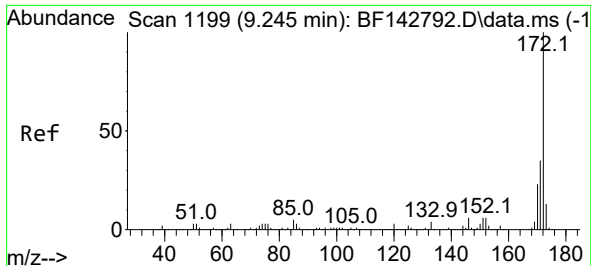
Tgt Ion:164 Resp: 81816
Ion Ratio Lower Upper
164 100
162 101.2 81.8 122.8
160 43.2 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 12.573 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion:330 Resp: 10586
Ion Ratio Lower Upper
330 100
332 100.6 75.0 112.6
141 35.6 25.3 37.9

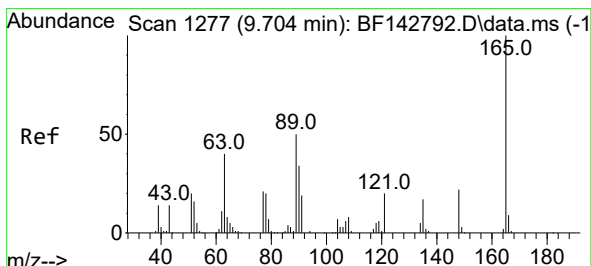
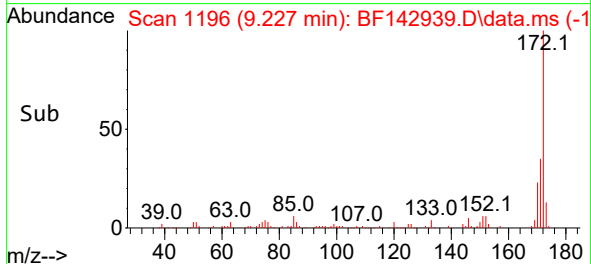
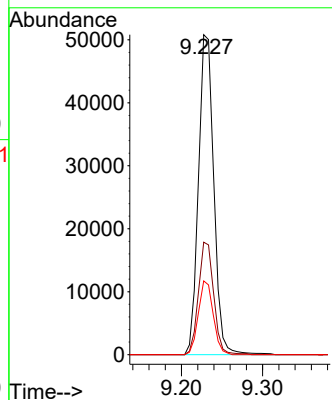
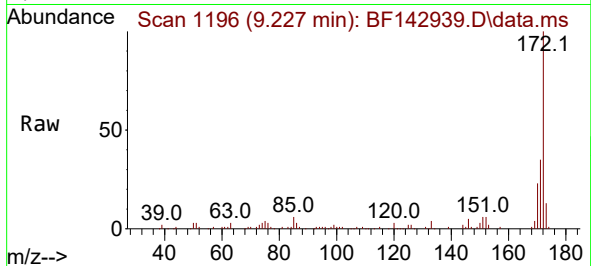




#45
2-Fluorobiphenyl
Concen: 10.754 ng
RT: 9.227 min Scan# 1196
Delta R.T. -0.018 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

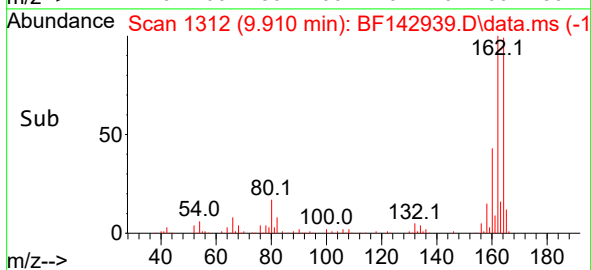
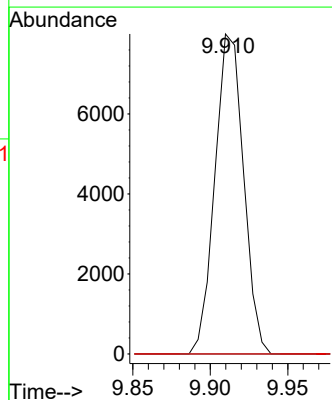
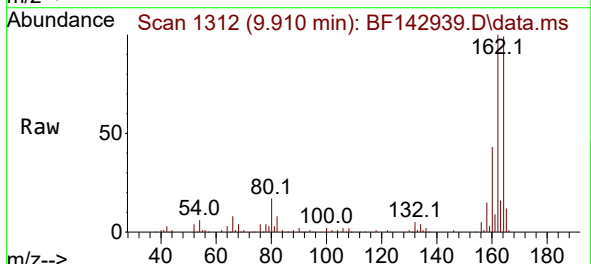
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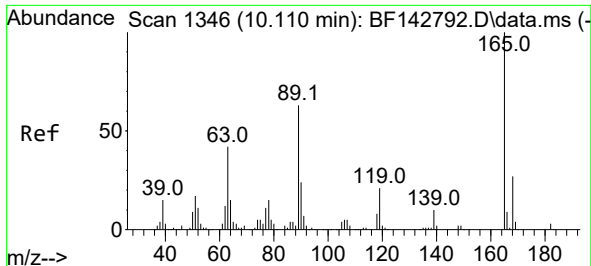
Tgt Ion:172 Resp: 66978
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.0 18.5 27.7



#51
2,6-Dinitrotoluene
Concen: 8.847 ng
RT: 9.910 min Scan# 1312
Delta R.T. 0.206 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion:165 Resp: 10290
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#

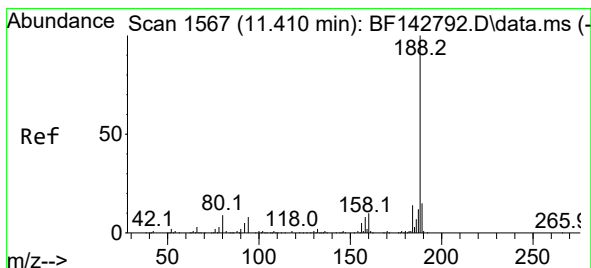
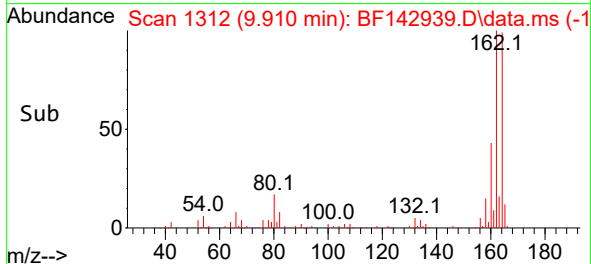
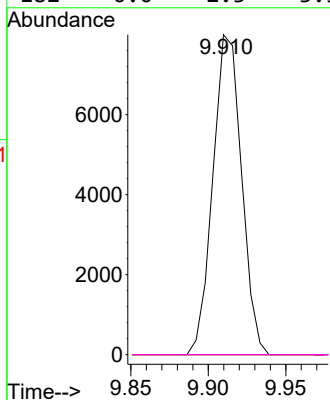
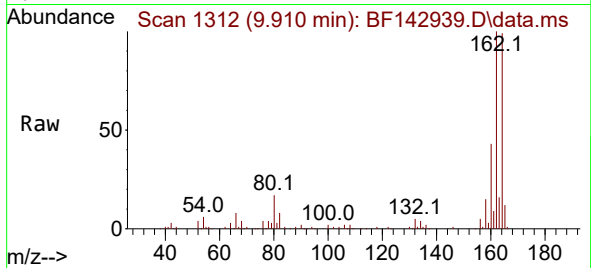




#57
2,4-Dinitrotoluene
Concen: 6.661 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

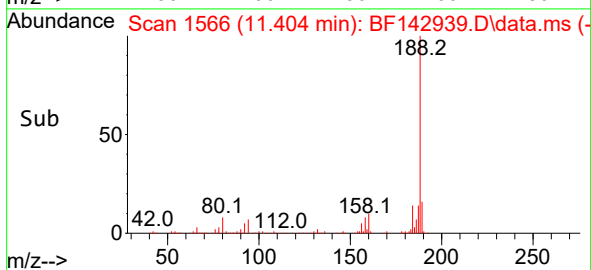
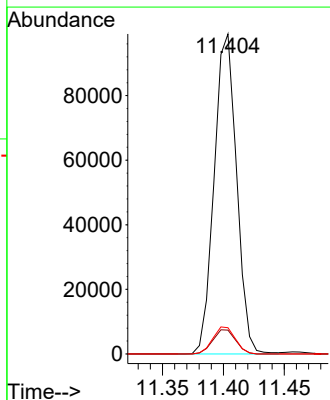
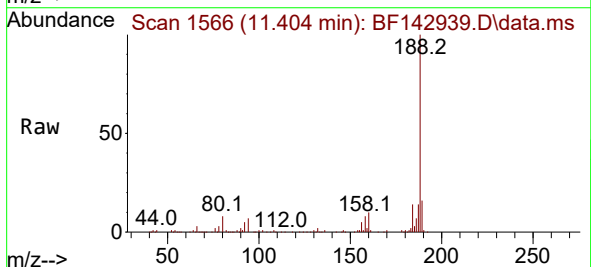
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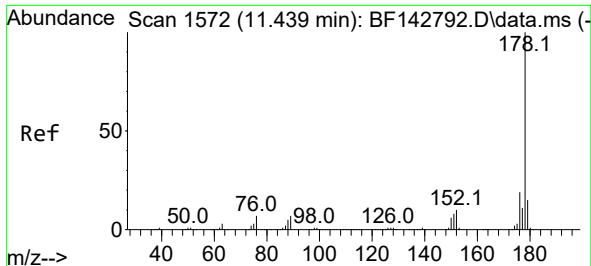
Tgt Ion:165 Resp: 10290
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion:188 Resp: 127248
Ion Ratio Lower Upper
188 100
94 7.5 6.7 10.1
80 8.2 6.9 10.3

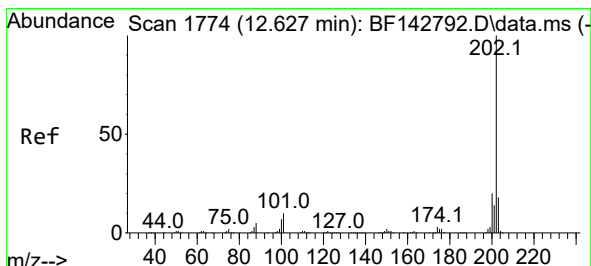
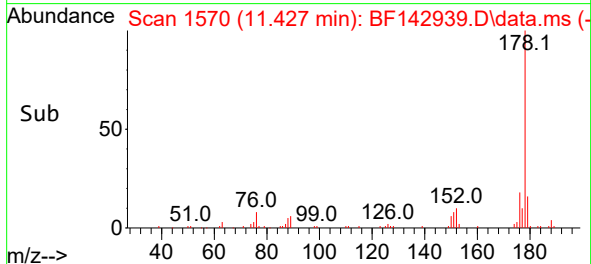
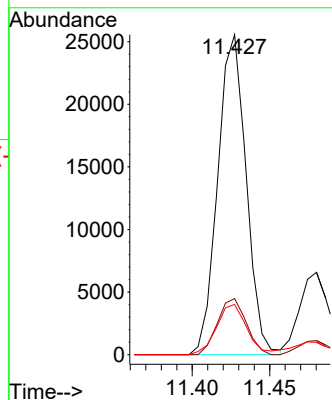
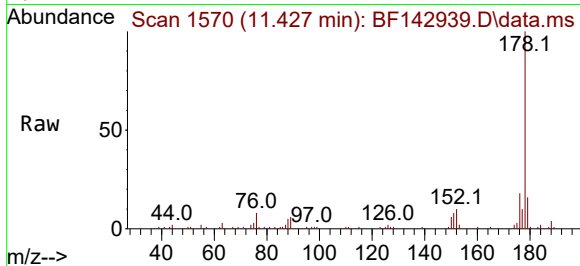




#71
Phenanthrene
Concen: 4.734 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

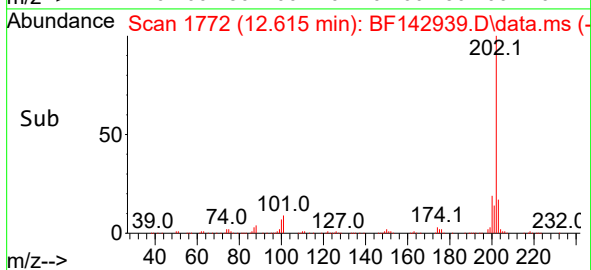
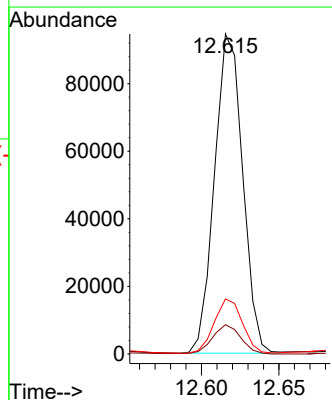
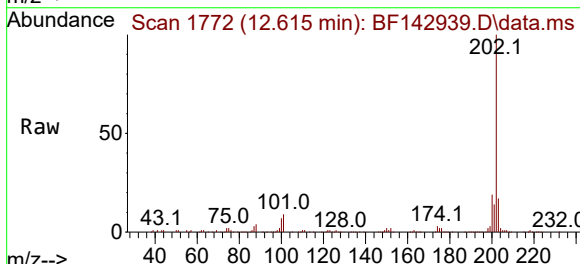
Instrument :
BNA_F
ClientSampleId :
OK-2-062725

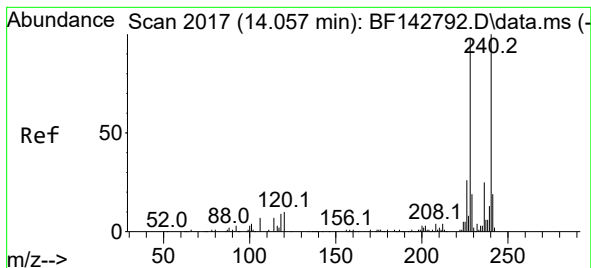
Tgt Ion:178 Resp: 32629
Ion Ratio Lower Upper
178 100
176 17.6 15.1 22.7
179 15.7 12.0 18.0



#75
Fluoranthene
Concen: 18.265 ng
RT: 12.615 min Scan# 1772
Delta R.T. -0.012 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion:202 Resp: 119488
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.7
203 17.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142939.D

Acq: 01 Jul 2025 03:14

Instrument :

BNA_F

ClientSampleId :

OK-2-062725

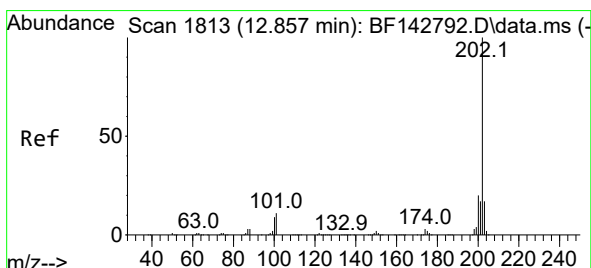
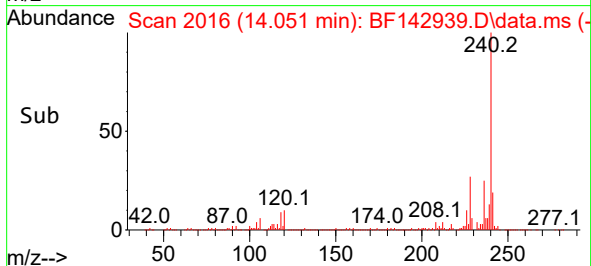
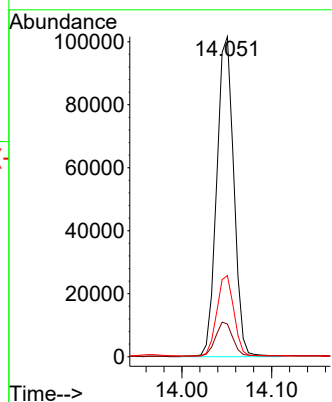
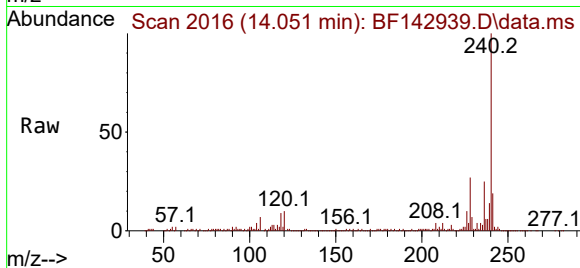
Tgt Ion:240 Resp: 134305

Ion Ratio Lower Upper

240 100

120 10.2 8.2 12.2

236 25.4 19.8 29.8



#78

Pyrene

Concen: 11.020 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142939.D

Acq: 01 Jul 2025 03:14

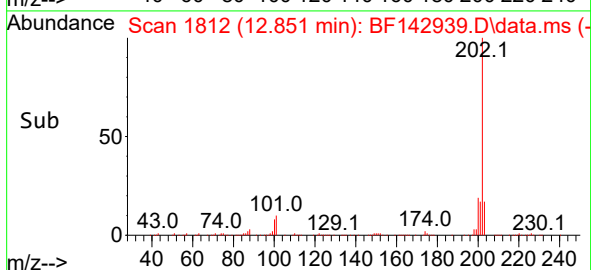
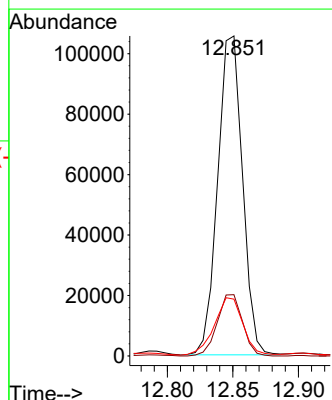
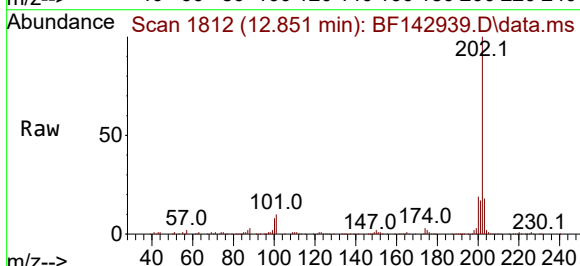
Tgt Ion:202 Resp: 138733

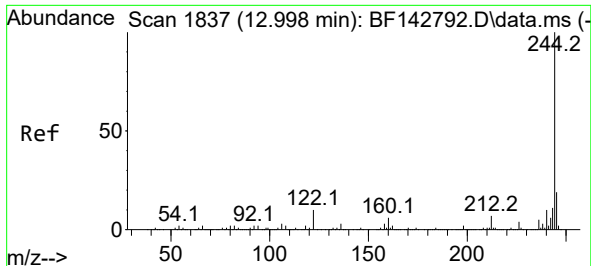
Ion Ratio Lower Upper

202 100

200 19.1 15.7 23.5

203 17.8 13.8 20.6

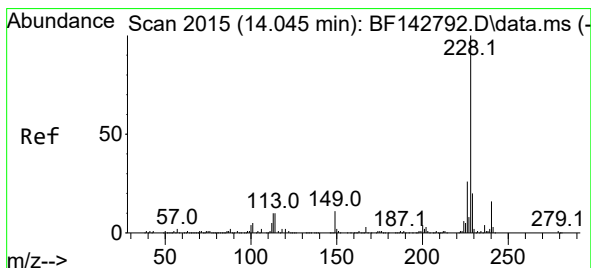
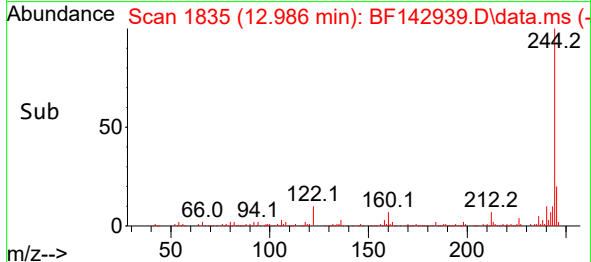
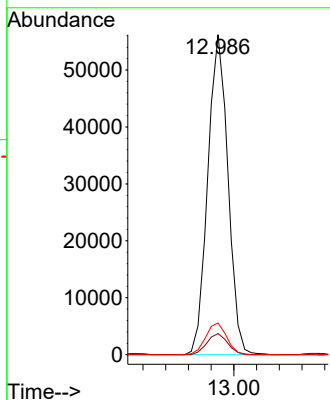
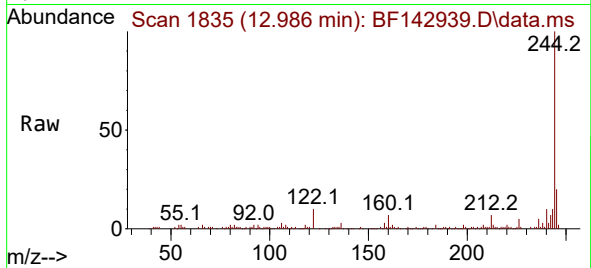




#79
 Terphenyl-d14
 Concen: 7.136 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142939.D
 Acq: 01 Jul 2025 03:14

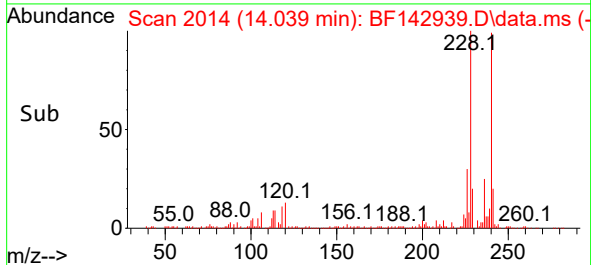
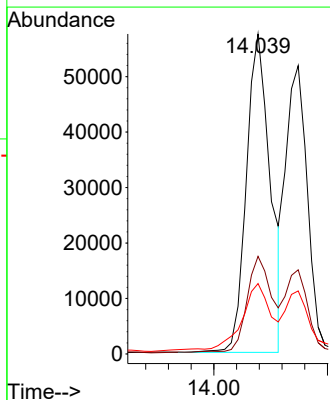
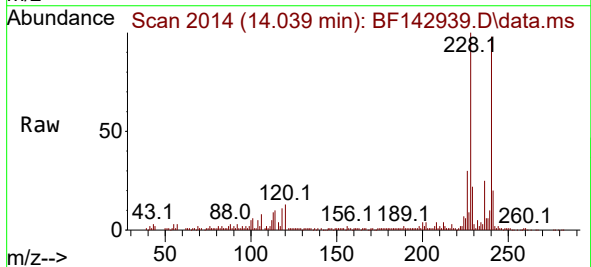
Instrument :
 BNA_F
 ClientSampleId :
 OK-2-062725

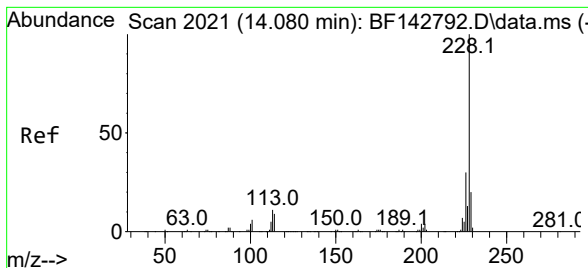
Tgt Ion:244 Resp: 69365
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 9.9 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 9.278 ng
 RT: 14.039 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF142939.D
 Acq: 01 Jul 2025 03:14

Tgt Ion:228 Resp: 84058
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.2 31.8
 229 22.0 15.6 23.4





#83

Chrysene

Concen: 8.388 ng

RT: 14.074 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142939.D

Acq: 01 Jul 2025 03:14

Instrument :

BNA_F

ClientSampleId :

OK-2-062725

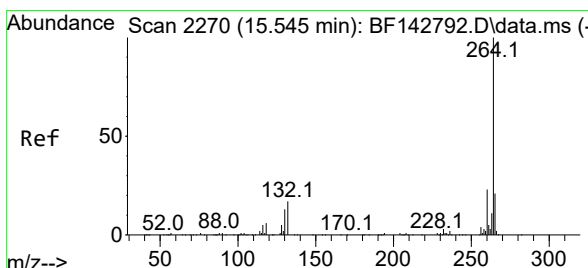
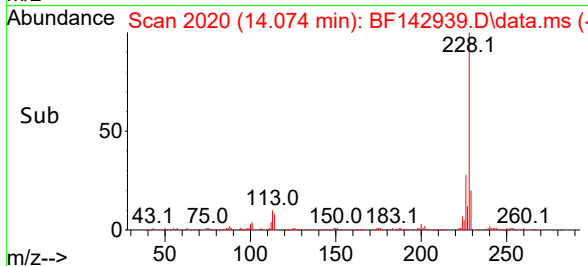
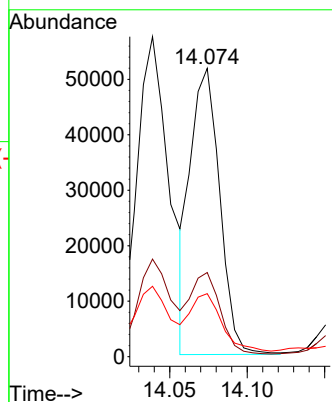
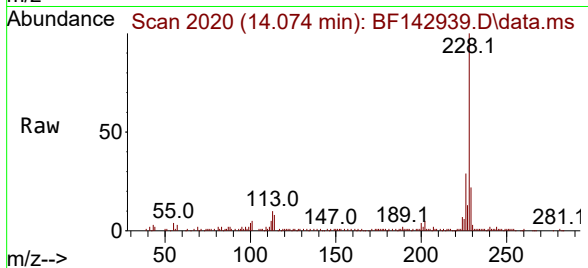
Tgt Ion:228 Resp: 67817

Ion Ratio Lower Upper

228 100

226 29.2 23.7 35.5

229 21.9 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF142939.D

Acq: 01 Jul 2025 03:14

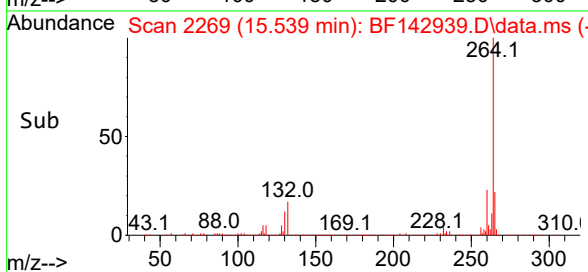
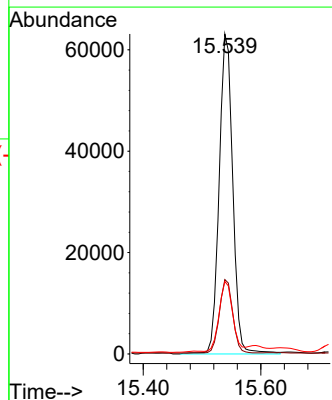
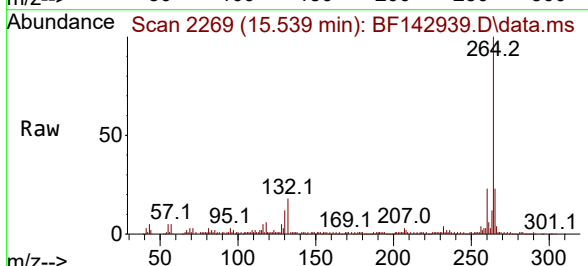
Tgt Ion:264 Resp: 101409

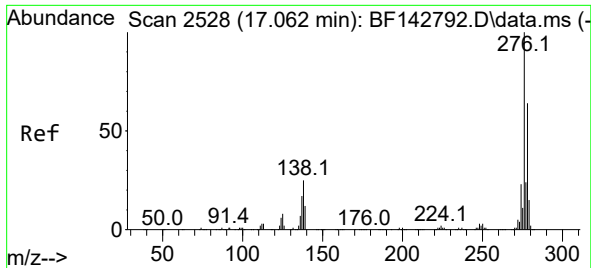
Ion Ratio Lower Upper

264 100

260 23.2 18.1 27.1

265 22.6 16.6 25.0

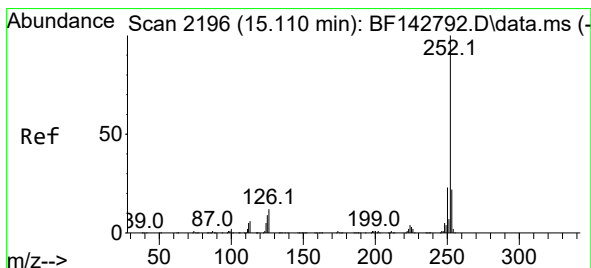
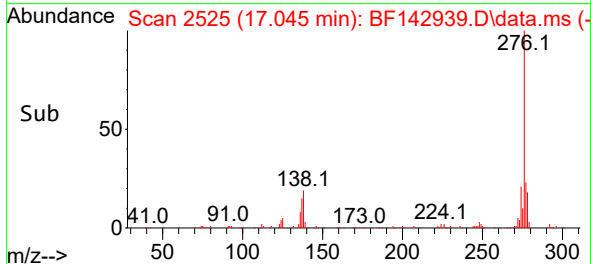
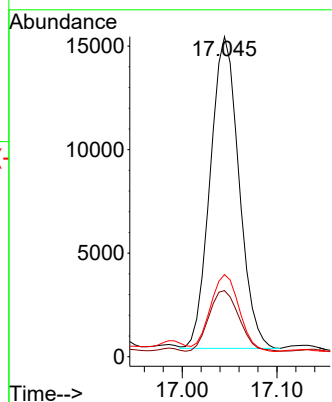
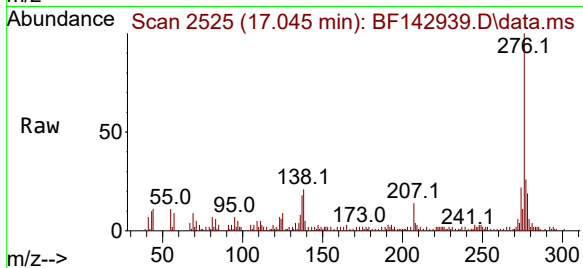




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.104 ng
 RT: 17.045 min Scan# 2195
 Delta R.T. -0.018 min
 Lab File: BF142939.D
 Acq: 01 Jul 2025 03:14

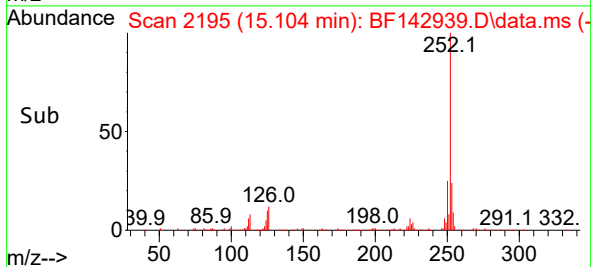
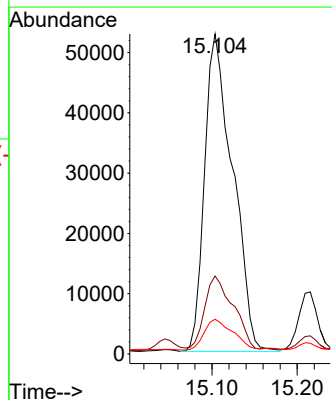
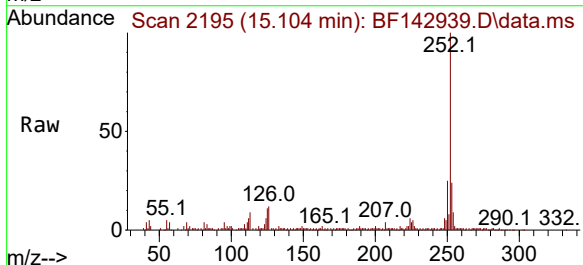
Instrument :
 BNA_F
 ClientSampleId :
 OK-2-062725

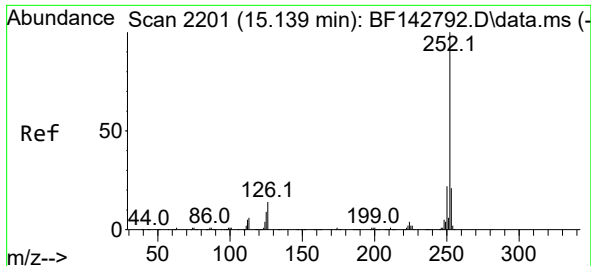
Tgt Ion:276 Resp: 31703
 Ion Ratio Lower Upper
 276 100
 138 20.8 20.2 30.4
 277 25.0 19.8 29.6



#88
 Benzo(b)fluoranthene
 Concen: 20.586 ng
 RT: 15.104 min Scan# 2195
 Delta R.T. -0.006 min
 Lab File: BF142939.D
 Acq: 01 Jul 2025 03:14

Tgt Ion:252 Resp: 120801
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.5 26.3
 125 10.9 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 22.004 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF142939.D

Acq: 01 Jul 2025 03:14

Instrument :

BNA_F

ClientSampleId :

OK-2-062725

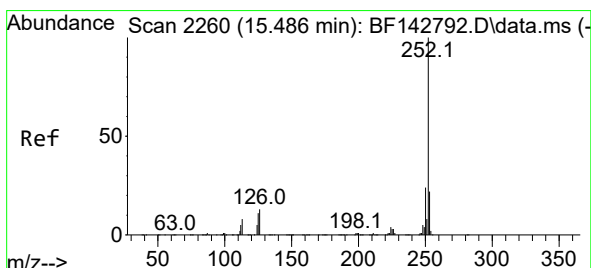
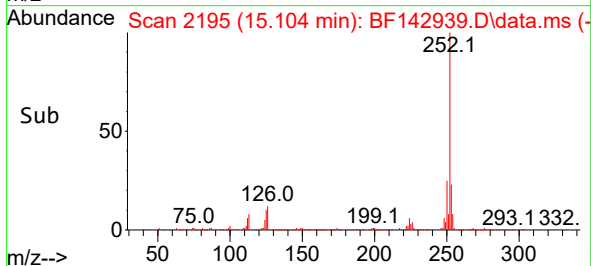
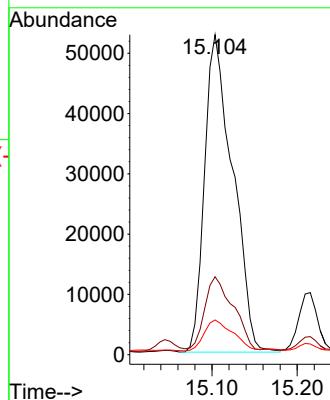
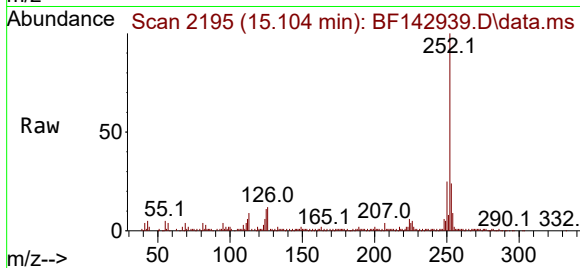
Tgt Ion:252 Resp: 120801

Ion Ratio Lower Upper

252 100

253 24.3 17.2 25.8

125 10.9 7.4 11.2



#90

Benzo(a)pyrene

Concen: 11.201 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF142939.D

Acq: 01 Jul 2025 03:14

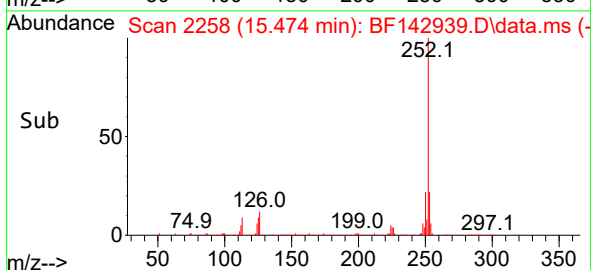
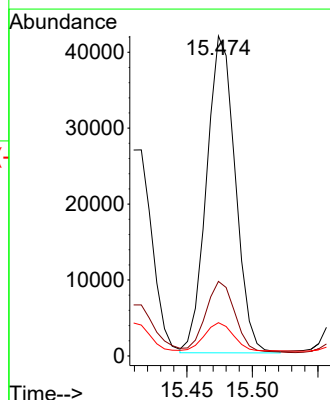
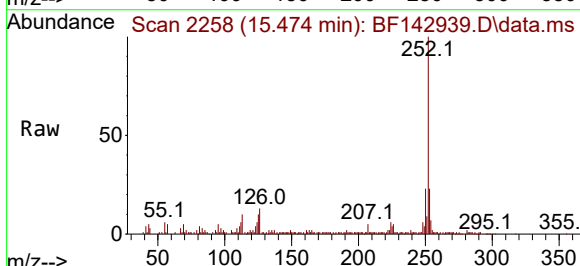
Tgt Ion:252 Resp: 63497

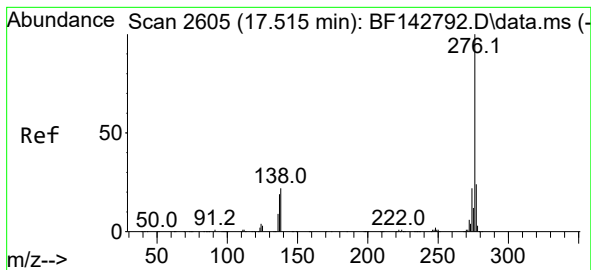
Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 10.4 8.6 12.8





#92

Benzo(g,h,i)perylene

Concen: 5.261 ng

RT: 17.503 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142939.D

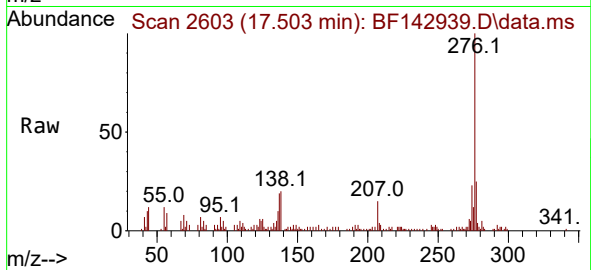
Acq: 01 Jul 2025 03:14

Instrument :

BNA_F

ClientSampleId :

OK-2-062725



Tgt Ion:276 Resp: 32927

Ion Ratio Lower Upper

276 100

277 25.3 18.8 28.2

138 20.4 17.6 26.4

