

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142685.D
 Acq On : 07 Jun 2025 11:54
 Operator : RC/JU
 Sample : Q2206-01 5X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jun 09 01:05:32 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

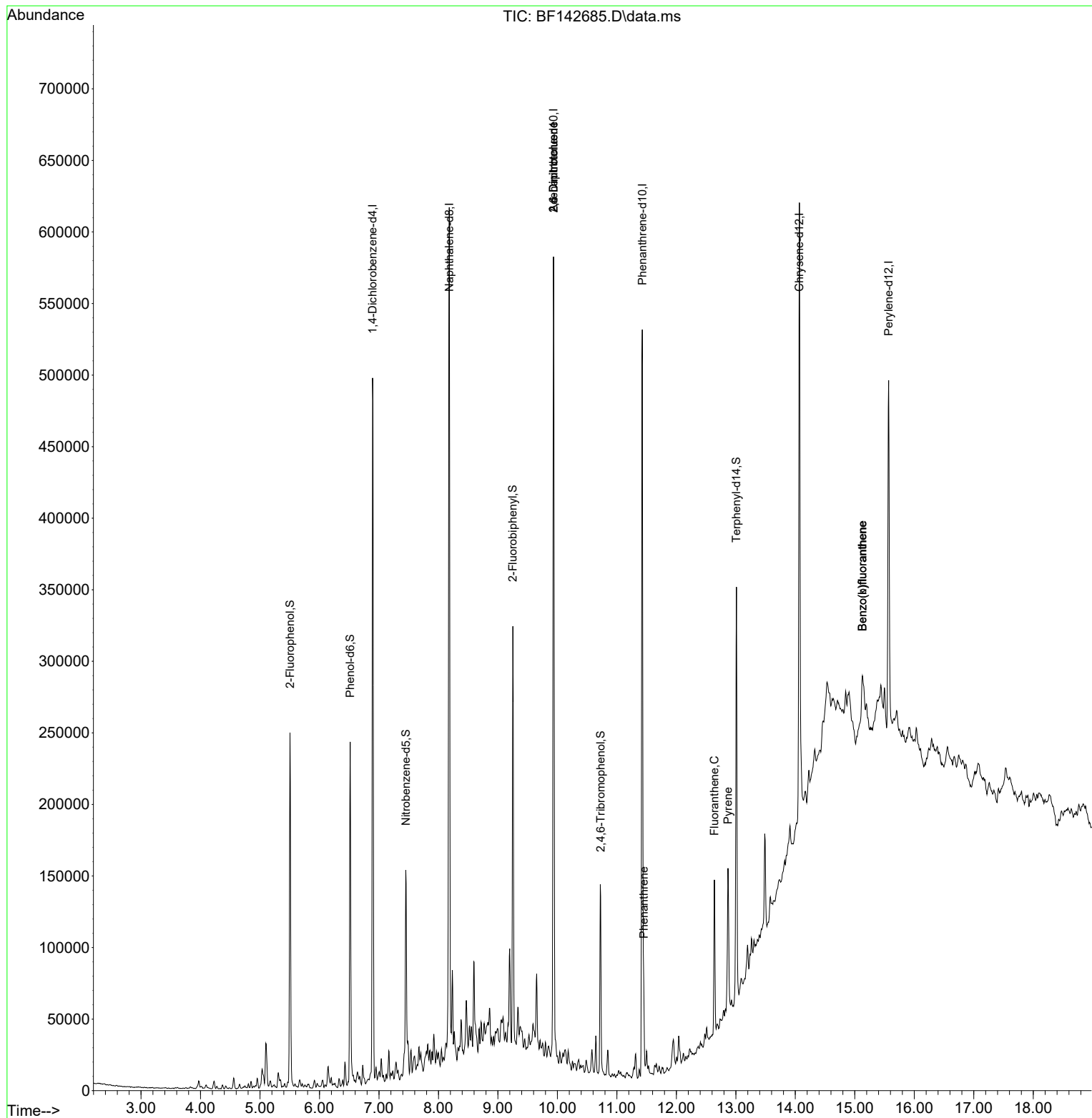
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	111169	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	372726	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	170322	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	283275	20.000	ng	0.00
76) Chrysene-d12	14.068	240	203210	20.000	ng	0.00
86) Perylene-d12	15.568	264	156690	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	96744	14.661	ng	-0.01
7) Phenol-d6	6.516	99	115626	14.557	ng	-0.02
23) Nitrobenzene-d5	7.451	82	63683	9.317	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	23384	12.370	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	135112	10.645	ng	-0.02
79) Terphenyl-d14	13.010	244	143292	9.636	ng	0.00
Target Compounds						
51) 2,6-Dinitrotoluene	9.933	165	22585	9.311	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	22585	7.130	ng	# 28
71) Phenanthrene	11.451	178	30688	2.027	ng	99
75) Fluoranthene	12.639	202	62479	4.417	ng	98
78) Pyrene	12.868	202	57006	3.007	ng	98
88) Benzo(b)fluoranthene	15.127	252	26322	2.838	ng	# 74
89) Benzo(k)fluoranthene	15.127	252	26322	3.030	ng	# 74

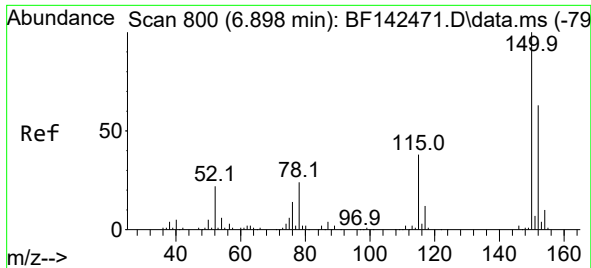
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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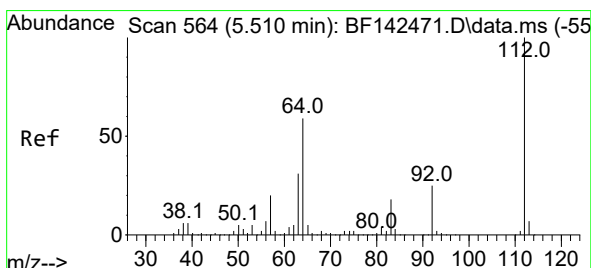
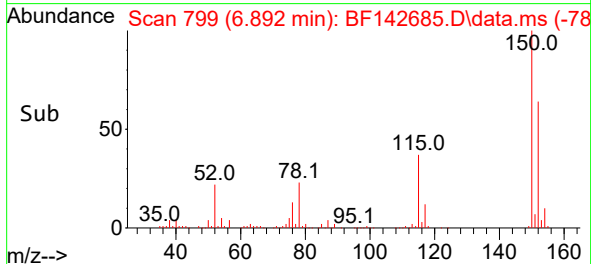
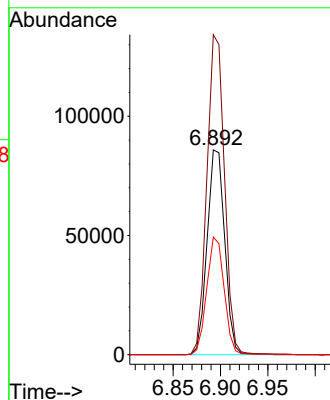
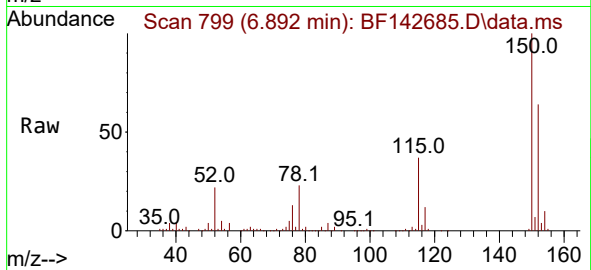




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

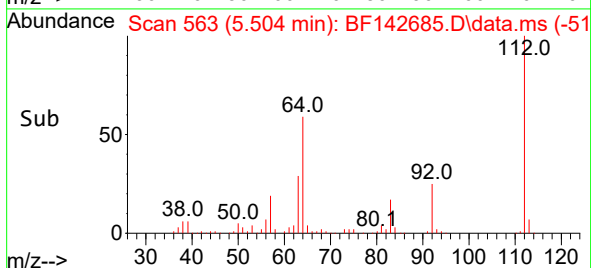
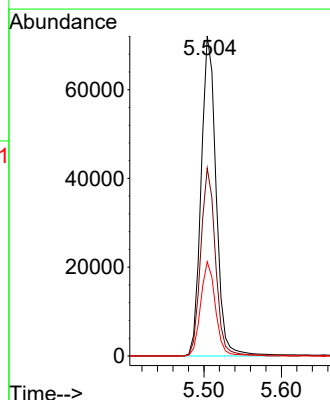
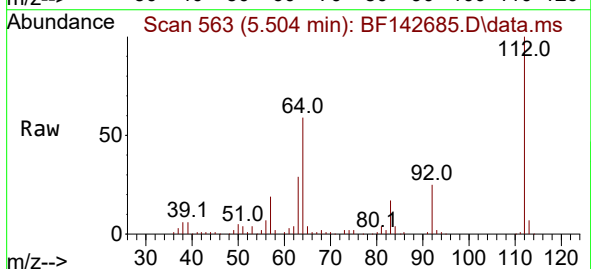
Instrument :
BNA_F
ClientSampleId :
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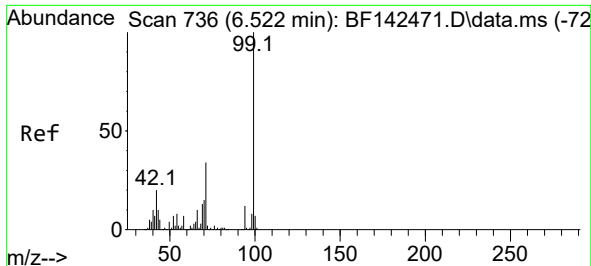
Tgt Ion:152 Resp: 111169
Ion Ratio Lower Upper
152 100
150 156.3 128.2 192.4
115 57.4 48.3 72.5



#5
2-Fluorophenol
Concen: 14.661 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

Tgt Ion:112 Resp: 96744
Ion Ratio Lower Upper
112 100
64 58.7 47.5 71.3
63 29.5 24.9 37.3





#7

Phenol-d6

Concen: 14.557 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF142685.D

Acq: 07 Jun 2025 11:54

Instrument :

BNA_F

ClientSampleId :

TP-1

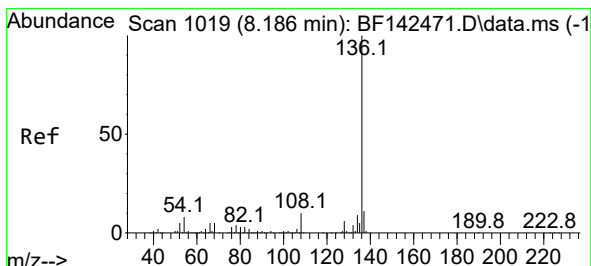
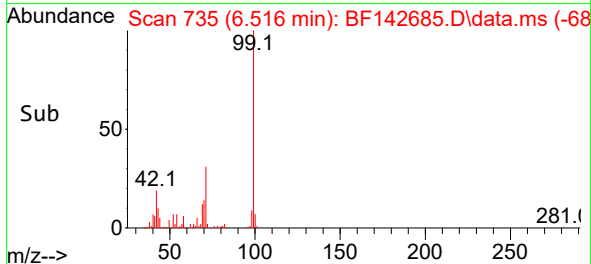
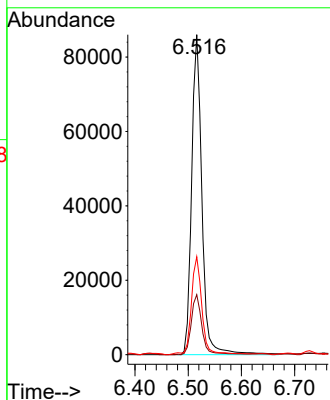
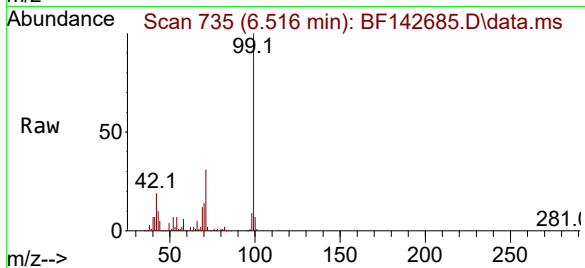
Tgt Ion: 99 Resp: 115626

Ion Ratio Lower Upper

99 100

42 18.7 16.2 24.2

71 30.6 27.3 40.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF142685.D

Acq: 07 Jun 2025 11:54

Tgt Ion:136 Resp: 372726

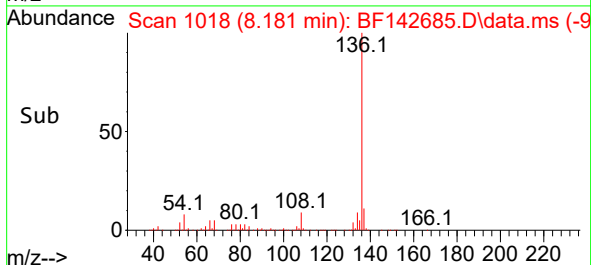
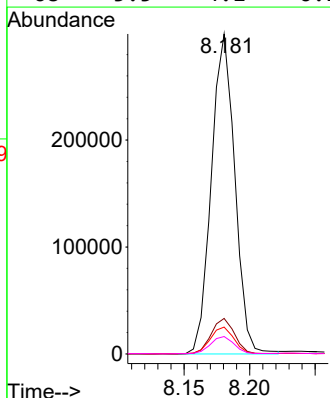
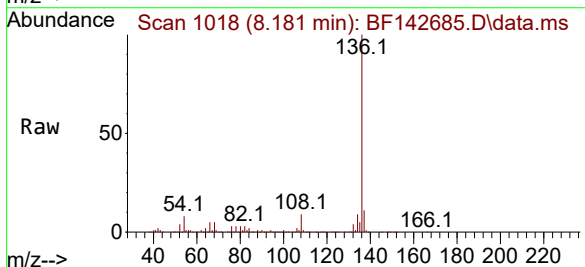
Ion Ratio Lower Upper

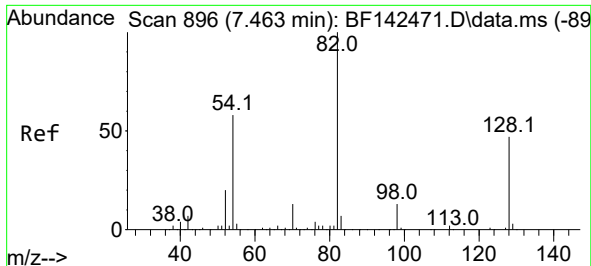
136 100

137 11.1 8.6 13.0

54 8.4 6.6 10.0

68 5.5 4.1 6.1





#23

Nitrobenzene-d5

Concen: 9.317 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.023 min

Lab File: BF142685.D

Acq: 07 Jun 2025 11:54

Instrument :

BNA_F

ClientSampleId :

TP-1

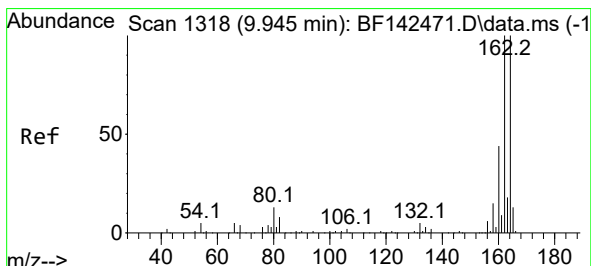
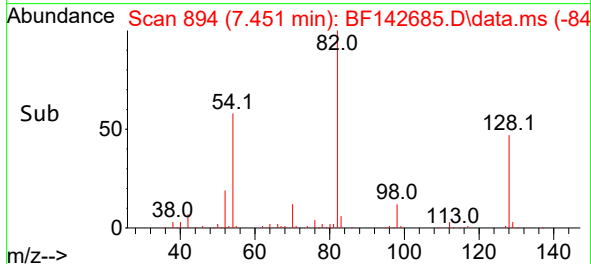
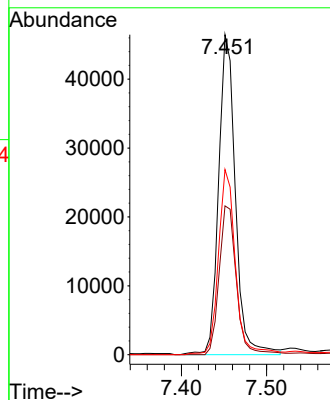
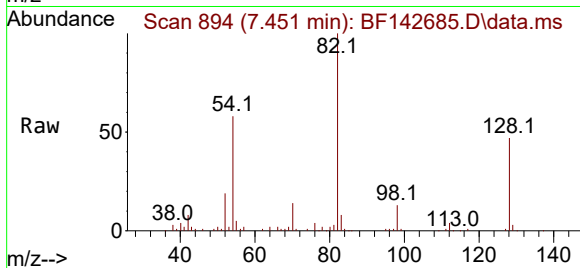
Tgt Ion: 82 Resp: 63683

Ion Ratio Lower Upper

82 100

128 46.5 37.4 56.2

54 57.9 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142685.D

Acq: 07 Jun 2025 11:54

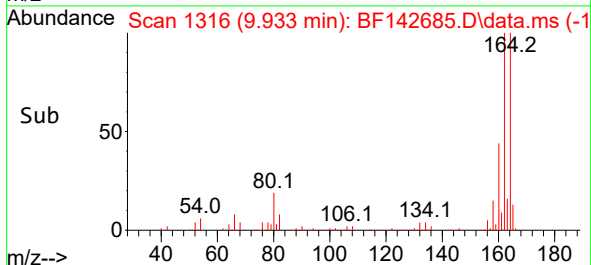
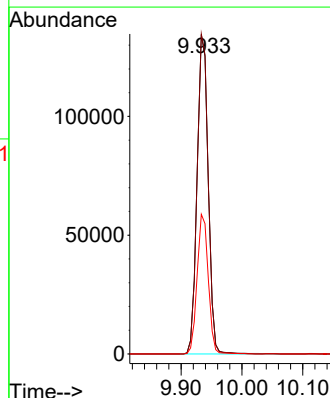
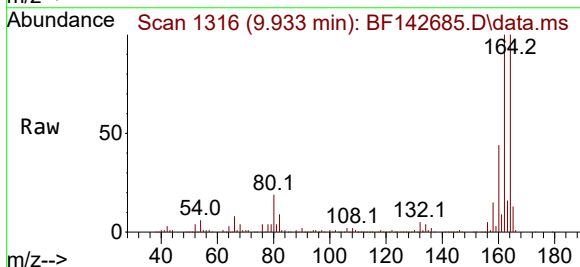
Tgt Ion:164 Resp: 170322

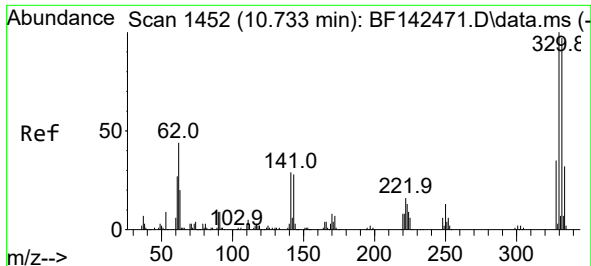
Ion Ratio Lower Upper

164 100

162 100.2 80.2 120.4

160 43.7 35.6 53.4

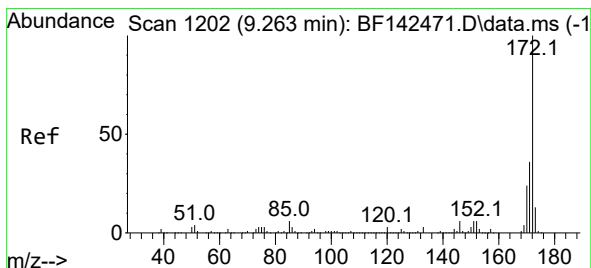
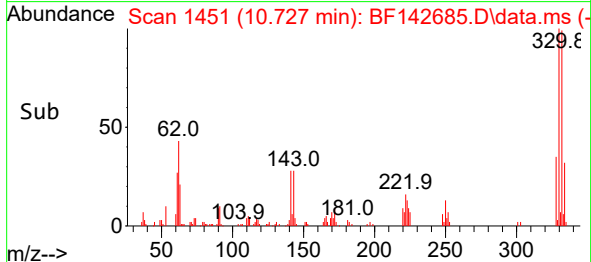
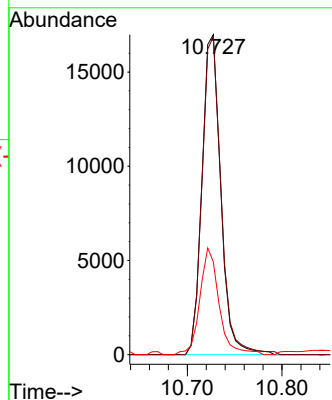
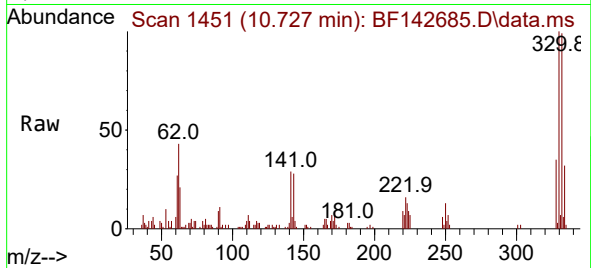




#42
2,4,6-Tribromophenol
Concen: 12.370 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

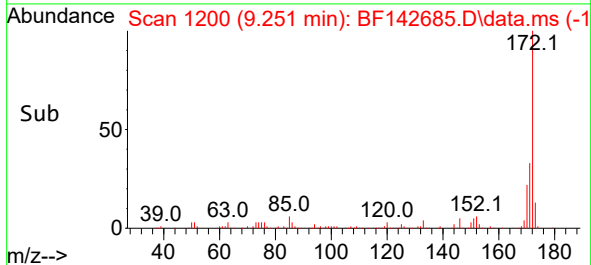
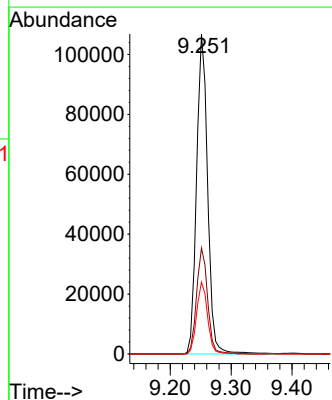
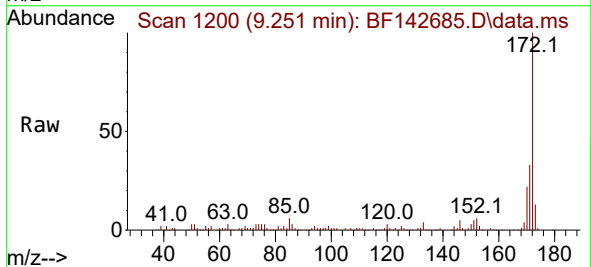
Instrument :
BNA_F
ClientSampleId :
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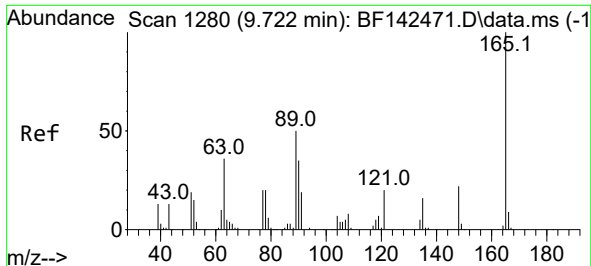
Tgt Ion:330 Resp: 23384
Ion Ratio Lower Upper
330 100
332 100.4 77.6 116.4
141 34.1 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 10.645 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

Tgt Ion:172 Resp: 135112
Ion Ratio Lower Upper
172 100
171 33.1 28.6 42.8
170 22.5 18.9 28.3

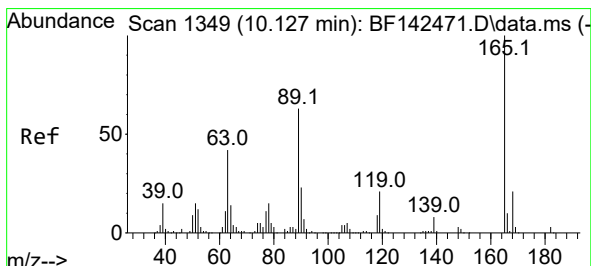
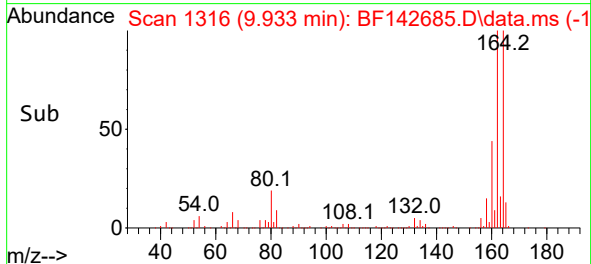
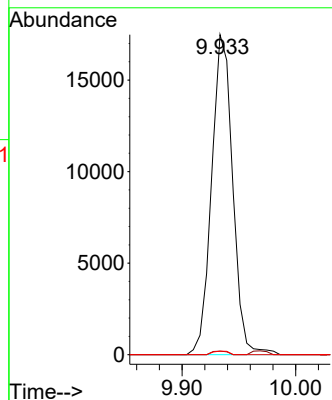
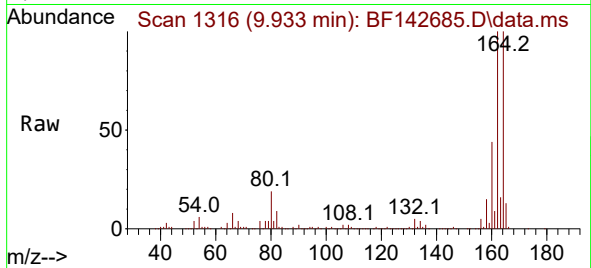




#51
2,6-Dinitrotoluene
Concen: 9.311 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

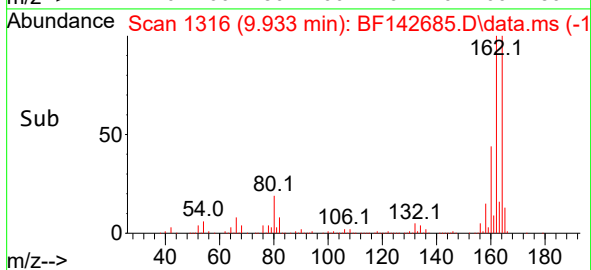
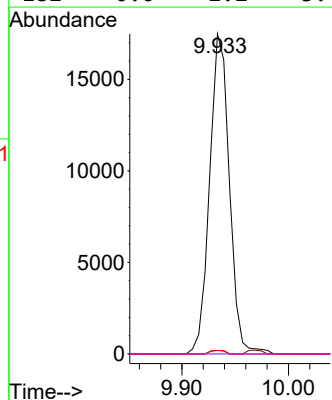
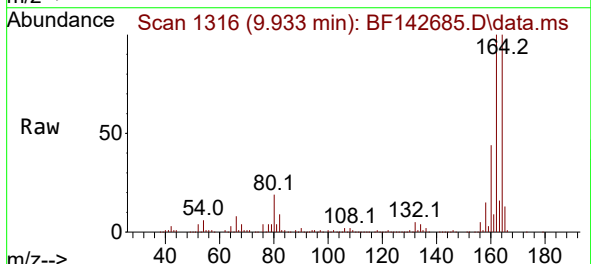
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ClientSampleId :
TP-1

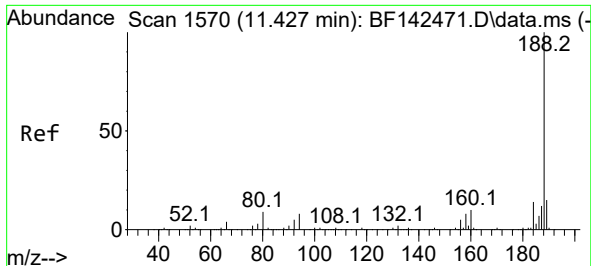
Tgt Ion:165 Resp: 22585
Ion Ratio Lower Upper
165 100
63 1.1 42.9 64.3#
89 1.1 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 7.130 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

Tgt Ion:165 Resp: 22585
Ion Ratio Lower Upper
165 100
63 1.1 33.6 50.4#
89 1.1 50.2 75.4#
182 0.0 2.2 3.4#

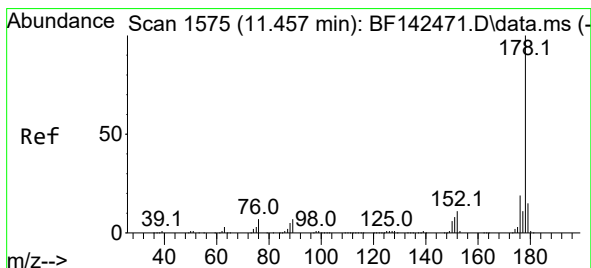
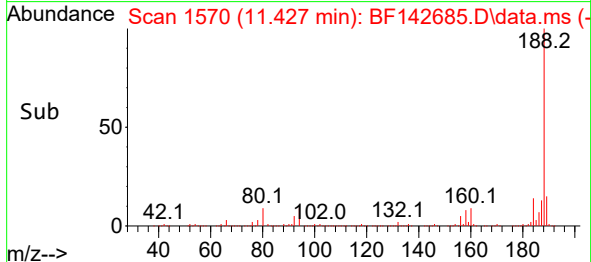
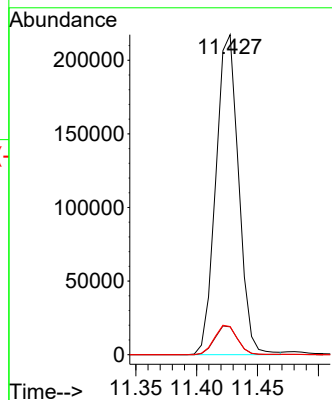
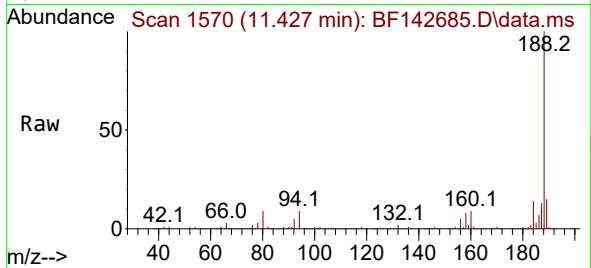




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

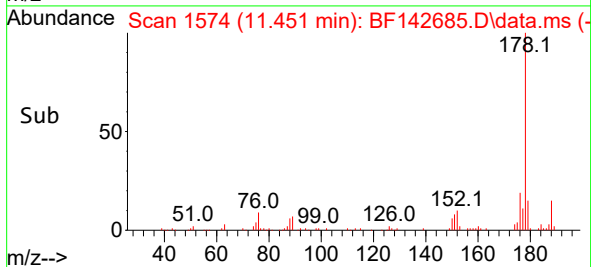
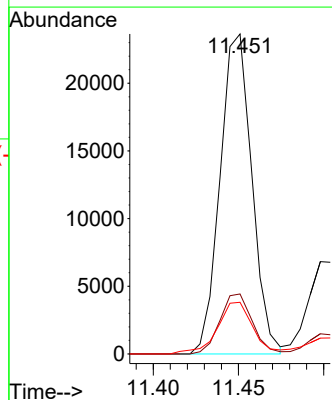
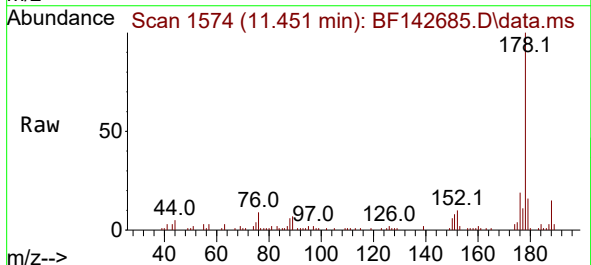
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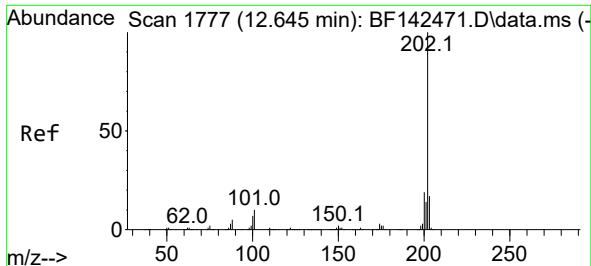
Tgt Ion:188 Resp: 283275
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 8.8 7.4 11.0



#71
Phenanthrene
Concen: 2.027 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

Tgt Ion:178 Resp: 30688
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 16.2 12.3 18.5

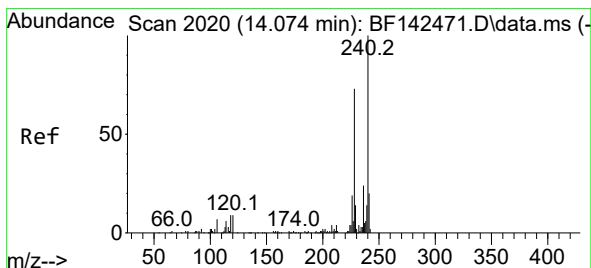
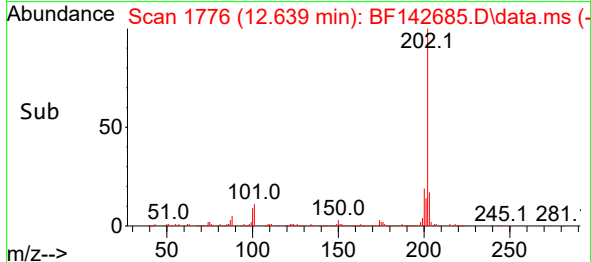
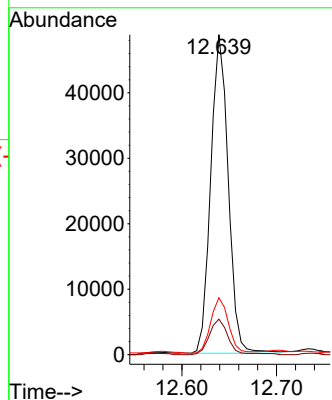
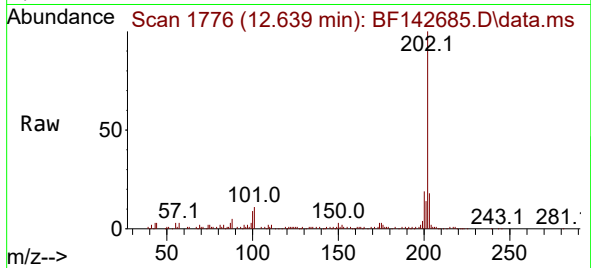




#75
Fluoranthene
Concen: 4.417 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

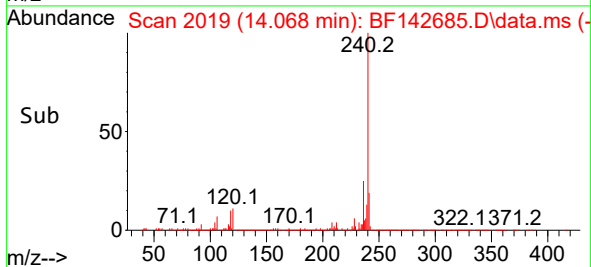
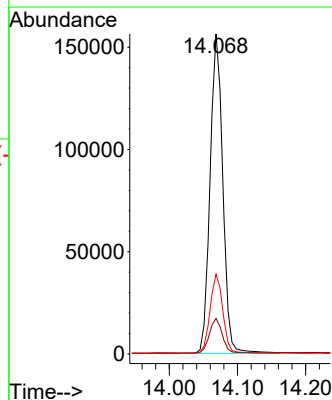
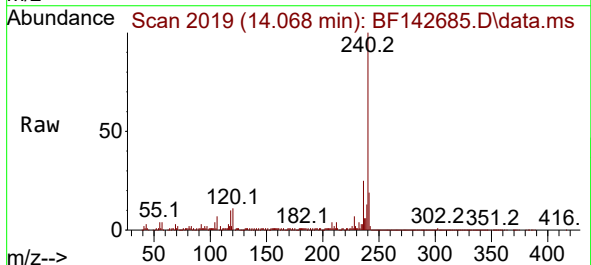
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ClientSampleId :
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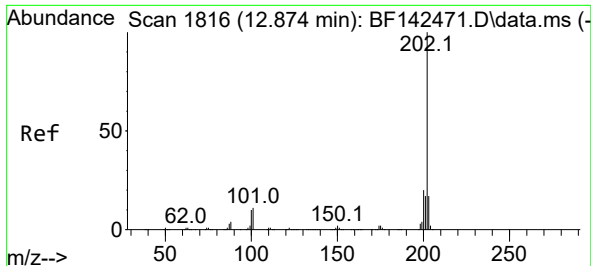
Tgt Ion:202 Resp: 62479
Ion Ratio Lower Upper
202 100
101 11.1 0.0 29.6
203 17.8 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

Tgt Ion:240 Resp: 203210
Ion Ratio Lower Upper
240 100
120 11.1 7.5 11.3
236 24.9 19.6 29.4

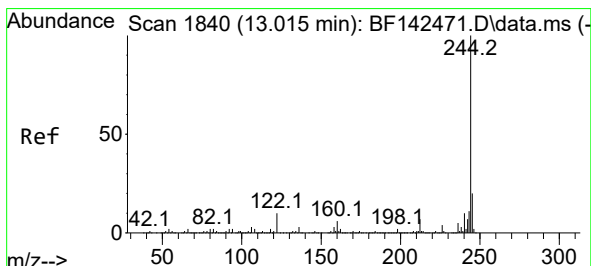
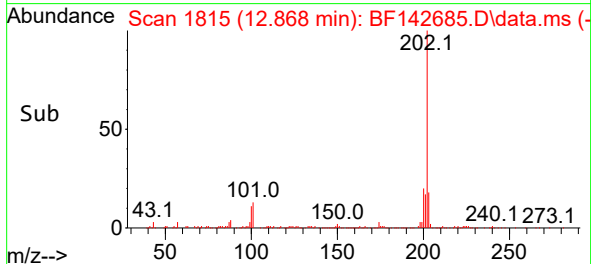
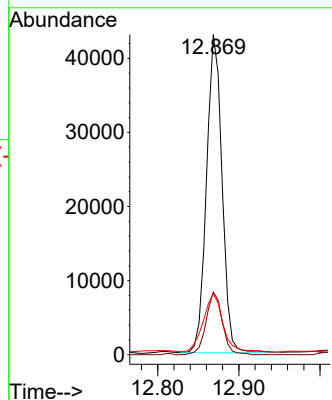
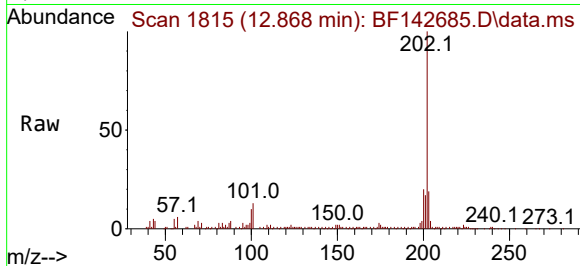




#78
 Pyrene
 Concen: 3.007 ng
 RT: 12.868 min Scan# 1816
 Delta R.T. -0.006 min
 Lab File: BF142685.D
 Acq: 07 Jun 2025 11:54

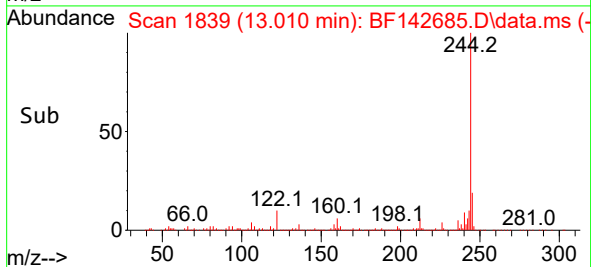
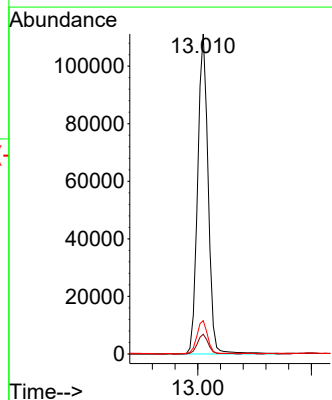
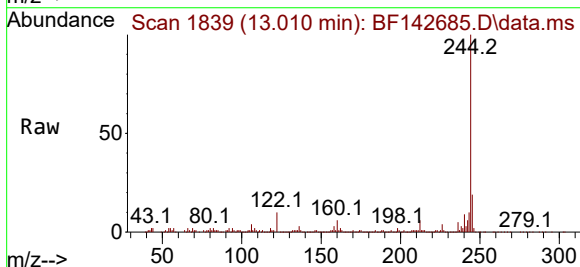
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

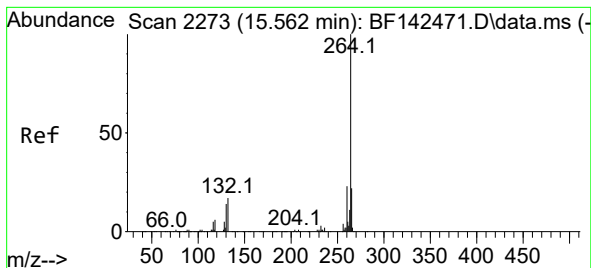
Tgt Ion:202 Resp: 57006
 Ion Ratio Lower Upper
 202 100
 200 19.6 16.1 24.1
 203 19.0 13.9 20.9



#79
 Terphenyl-d14
 Concen: 9.636 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142685.D
 Acq: 07 Jun 2025 11:54

Tgt Ion:244 Resp: 143292
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.3 7.9
 122 10.4 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF142685.D

Acq: 07 Jun 2025 11:54

Instrument :

BNA_F

ClientSampleId :

TP-1

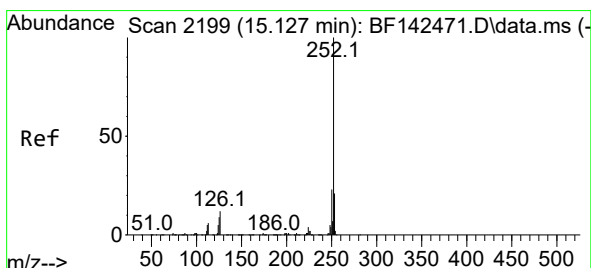
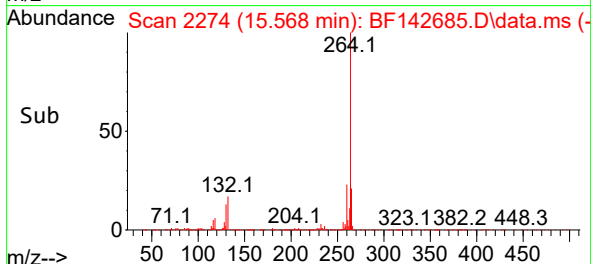
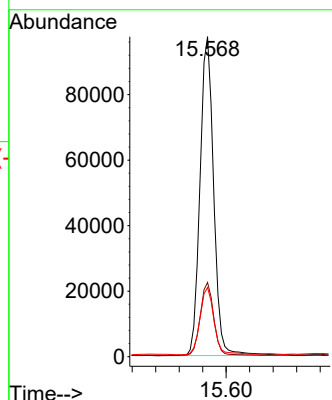
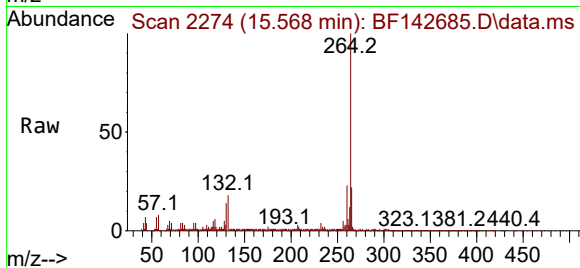
Tgt Ion:264 Resp: 156690

Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 21.6 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 2.838 ng

RT: 15.127 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF142685.D

Acq: 07 Jun 2025 11:54

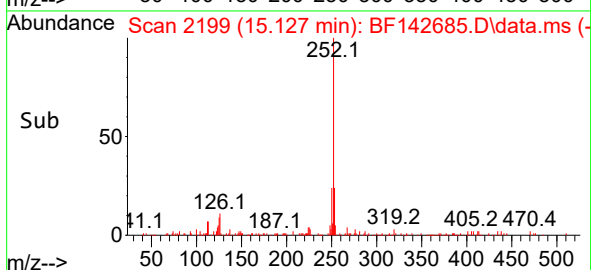
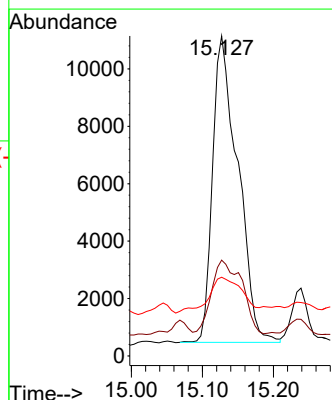
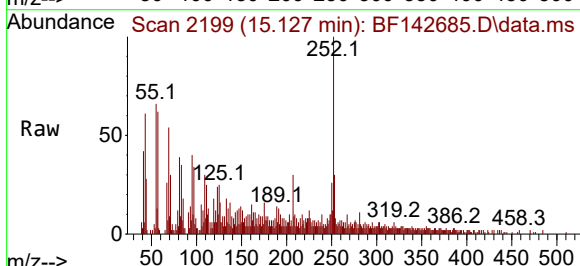
Tgt Ion:252 Resp: 26322

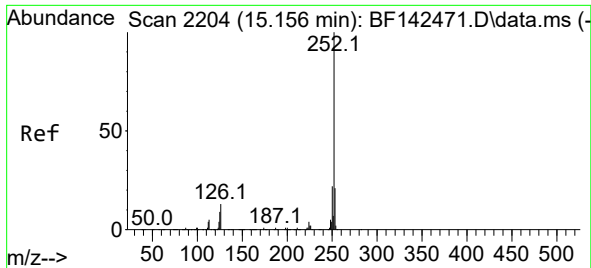
Ion Ratio Lower Upper

252 100

253 30.0 17.0 25.4#

125 24.6 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 3.030 ng

RT: 15.127 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF142685.D

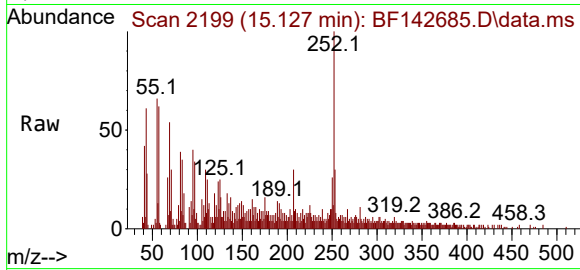
Acq: 07 Jun 2025 11:54

Instrument :

BNA_F

ClientSampleId :

TP-1



Tgt Ion:252 Resp: 26322

Ion Ratio Lower Upper

252 100

253 30.0 17.0 25.4#

125 24.6 7.3 10.9#

