

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
 Data File : BF144072.D
 Acq On : 24 Oct 2025 20:44
 Operator : RC/JU
 Sample : Q3455-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 27 10:56:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

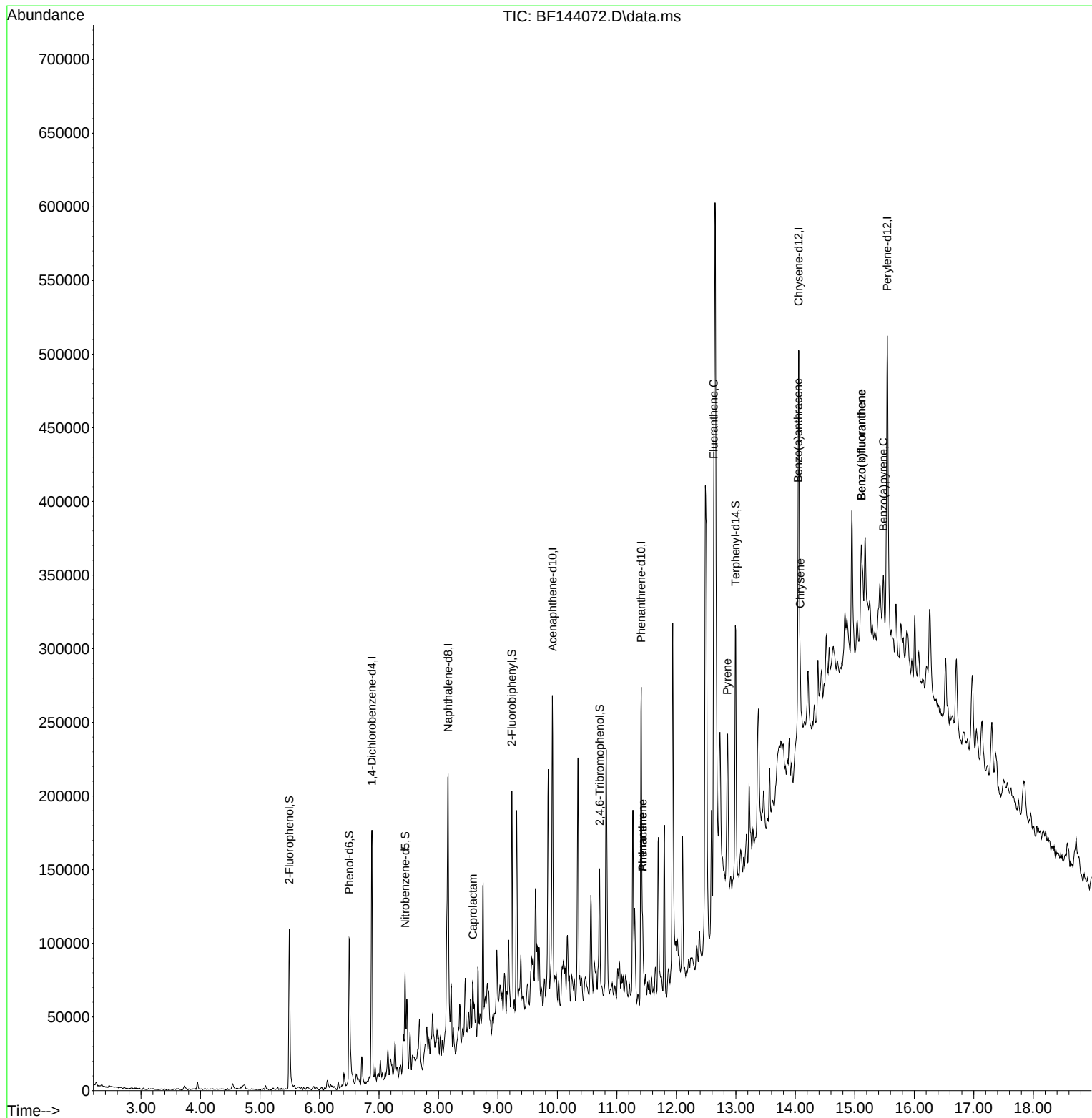
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	34286	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	108980	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	58745	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	113456	20.000	ng	0.00
76) Chrysene-d12	14.057	240	113683	20.000	ng	0.00
86) Perylene-d12	15.545	264	129775	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	44660	20.608	ng	0.00
7) Phenol-d6	6.498	99	50621	21.151	ng	0.00
23) Nitrobenzene-d5	7.440	82	28595	14.375	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	17917	23.944	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	68005	16.290	ng	0.00
79) Terphenyl-d14	12.998	244	91546	14.078	ng	0.00
Target Compounds						
						Qvalue
35) Caprolactam	8.581	113	1016	2.342	ng	# 1
71) Phenanthrene	11.433	178	25566	4.536	ng	99
72) Anthracene	11.433	178	25566	4.391	ng	96
75) Fluoranthene	12.627	202	45317	7.278	ng	93
78) Pyrene	12.857	202	46521	5.692	ng	97
81) Benzo(a)anthracene	14.045	228	26179	3.408	ng	# 85
83) Chrysene	14.080	228	24064	3.338	ng	# 89
88) Benzo(b)fluoranthene	15.110	252	38040	5.185	ng	# 75
89) Benzo(k)fluoranthene	15.110	252	38040	5.620	ng	# 75
90) Benzo(a)pyrene	15.480	252	23332	3.545	ng	# 80

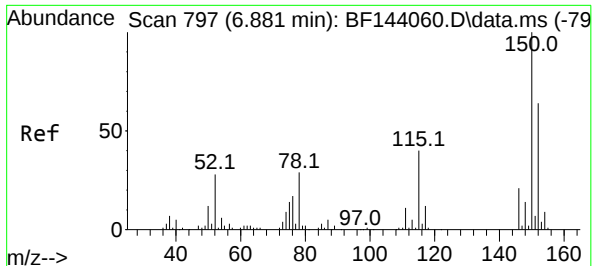
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
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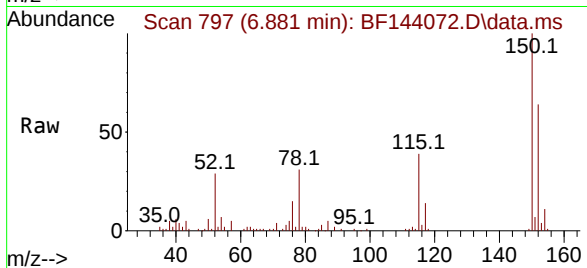
Quant Time: Oct 27 10:56:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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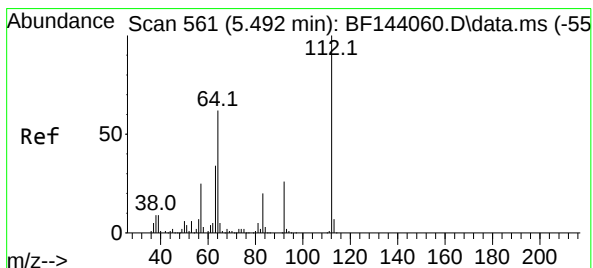
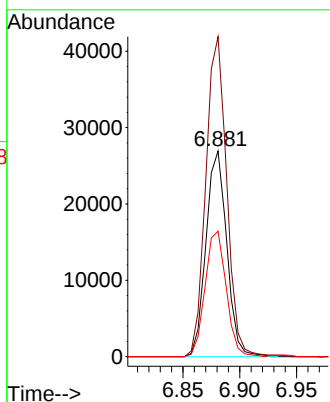
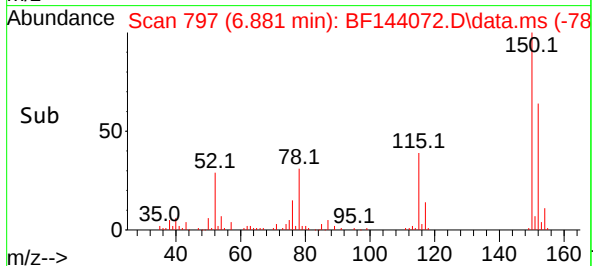


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

Instrument :
BNA_F
ClientSampleId :

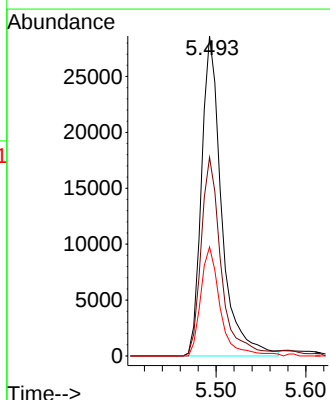
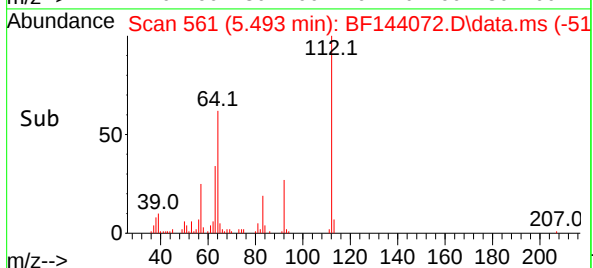
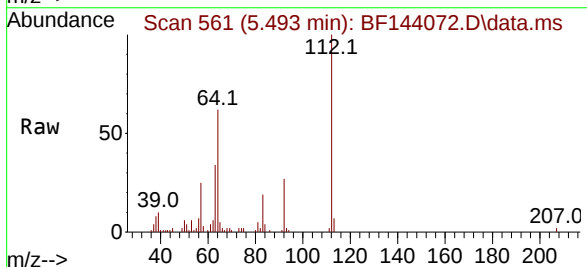


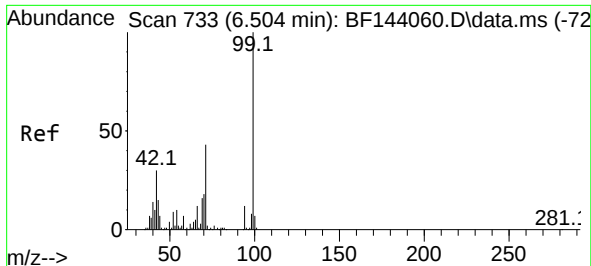
Tgt Ion:152 Resp: 34286
Ion Ratio Lower Upper
152 100
150 155.7 124.4 186.6
115 61.0 49.4 74.0



#5
2-Fluorophenol
Concen: 20.608 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

Tgt Ion:112 Resp: 44660
Ion Ratio Lower Upper
112 100
64 62.0 49.8 74.8
63 34.1 27.4 41.2

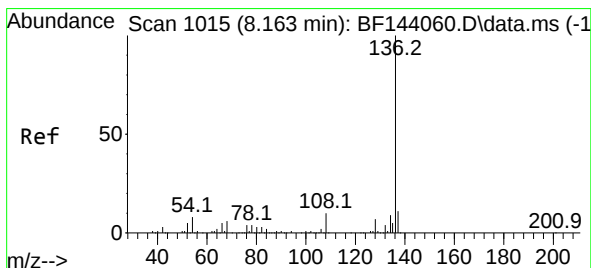
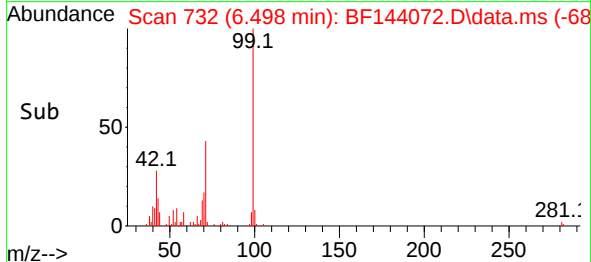
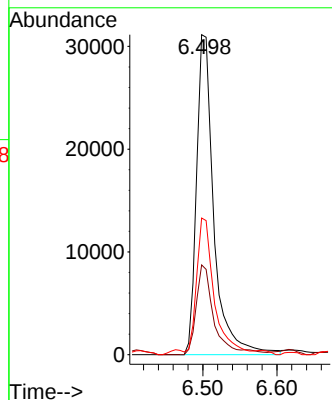
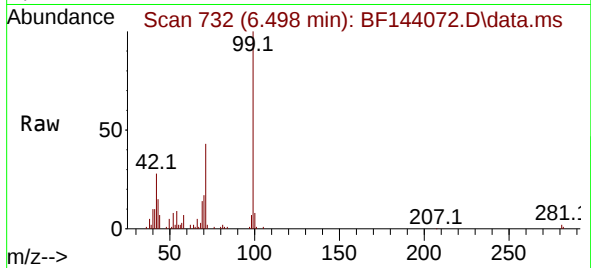




#7
Phenol-d6
Concen: 21.151 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

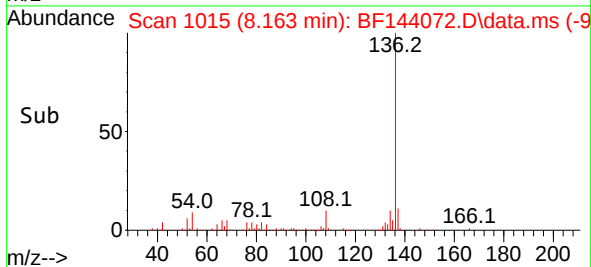
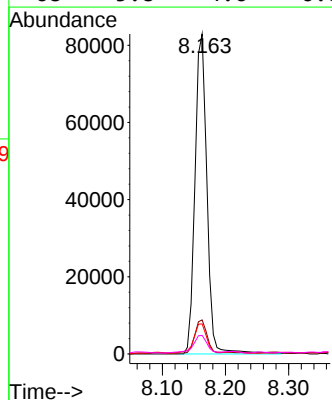
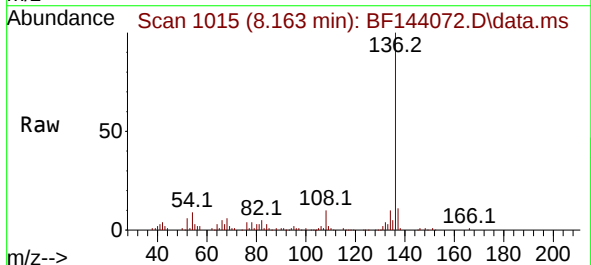
Instrument :
BNA_F
ClientSampleId :

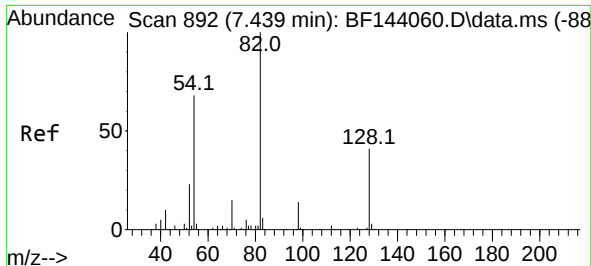
Tgt Ion: 99 Resp: 50621
Ion Ratio Lower Upper
99 100
42 28.0 23.9 35.9
71 42.7 34.4 51.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

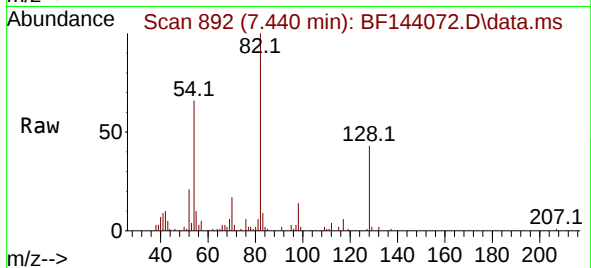
Tgt Ion: 136 Resp: 108980
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.4 6.6 9.8
68 5.8 4.6 6.8



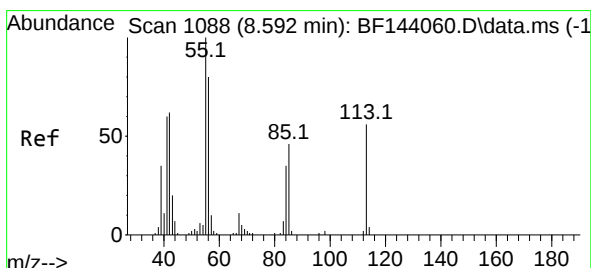
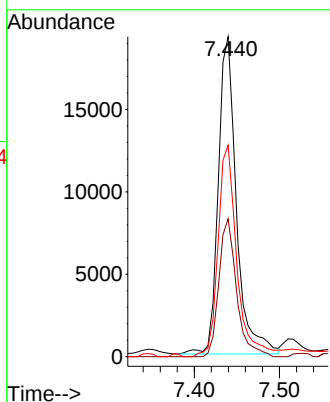
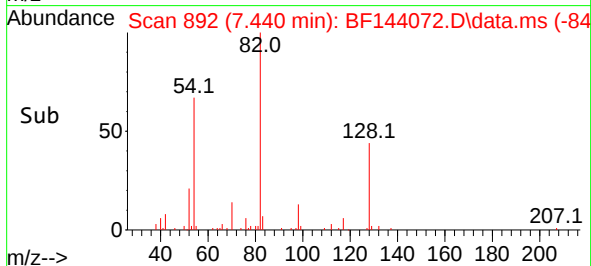


#23
Nitrobenzene-d5
Concen: 14.375 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

Instrument :
BNA_F
ClientSampleId :

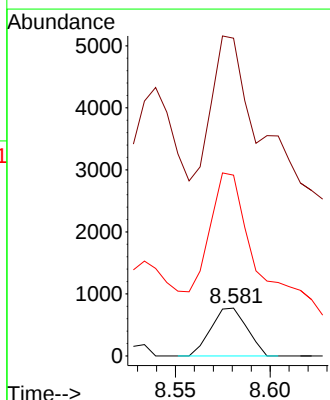
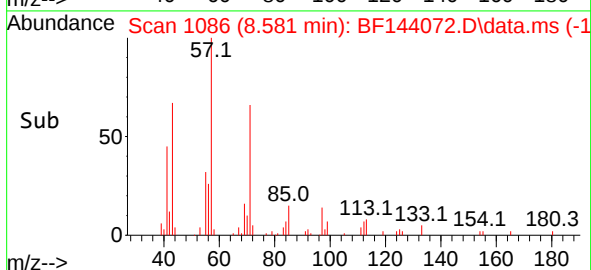
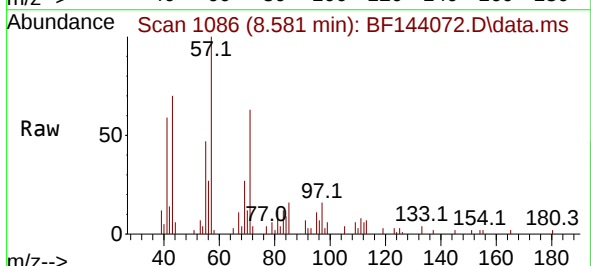


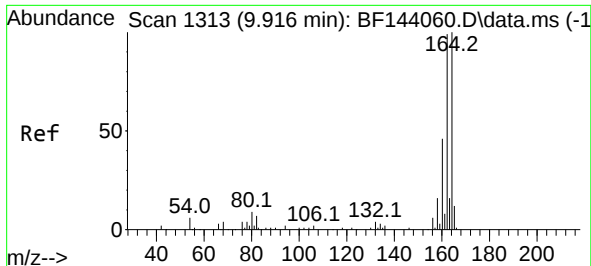
Tgt Ion: 82 Resp: 28595
Ion Ratio Lower Upper
82 100
128 43.1 32.4 48.6
54 66.1 54.0 81.0



#35
Caprolactam
Concen: 2.342 ng
RT: 8.581 min Scan# 1086
Delta R.T. -0.012 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

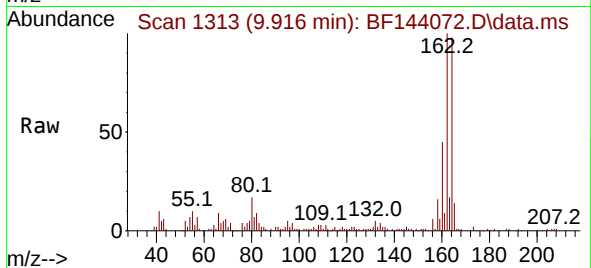
Tgt Ion: 113 Resp: 1016
Ion Ratio Lower Upper
113 100
55 664.5 160.1 200.1#
56 378.0 124.9 164.9#



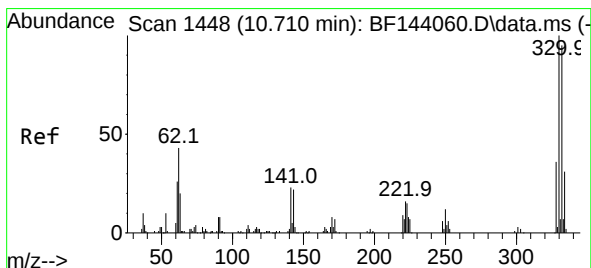
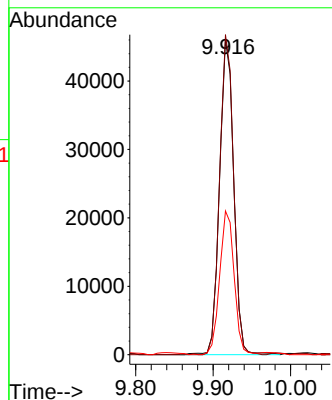
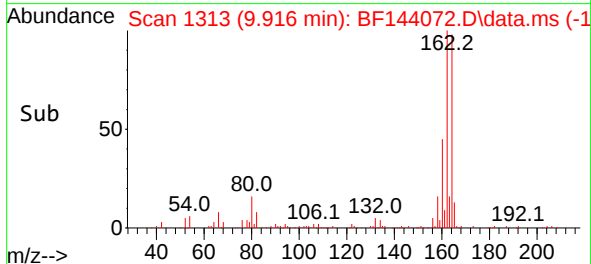


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

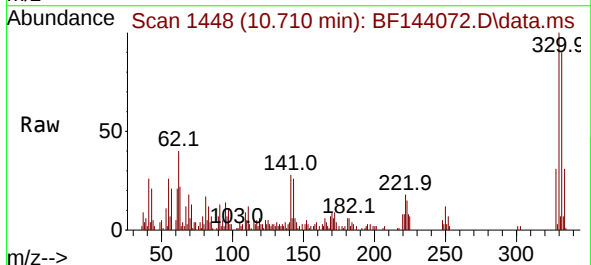
Instrument :
BNA_F
ClientSampleId :



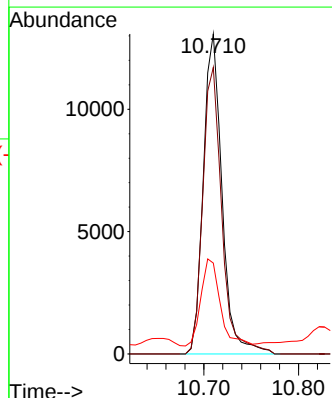
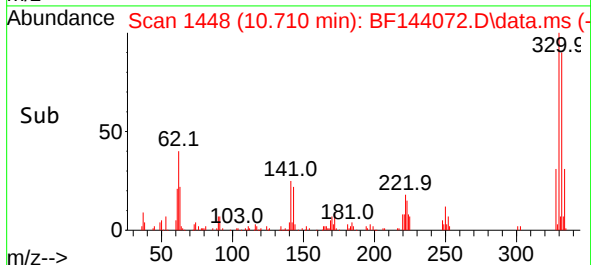
Tgt Ion:164 Resp: 58745
Ion Ratio Lower Upper
164 100
162 101.6 79.4 119.2
160 45.6 36.7 55.1

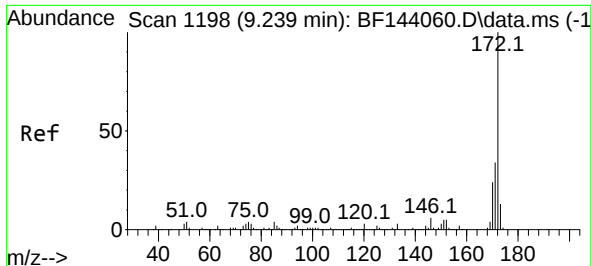


#42
2,4,6-Tribromophenol
Concen: 23.944 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44



Tgt Ion:330 Resp: 17917
Ion Ratio Lower Upper
330 100
332 91.4 77.0 115.6
141 28.1 19.4 29.0





#45

2-Fluorobiphenyl

Concen: 16.290 ng

RT: 9.234 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF144072.D

Acq: 24 Oct 2025 20:44

Instrument :

BNA_F

ClientSampleId :

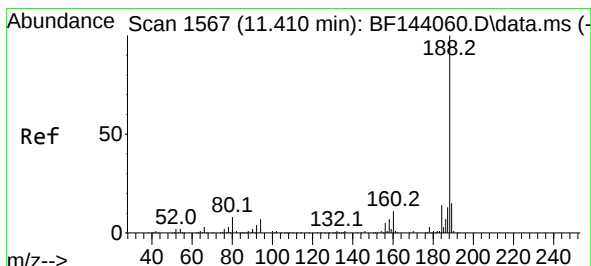
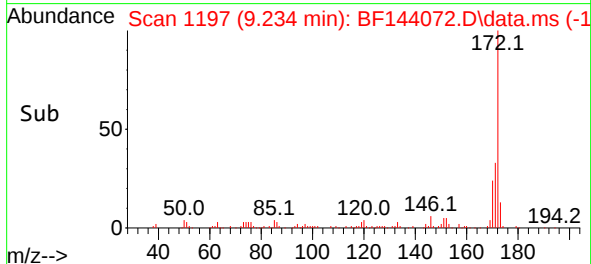
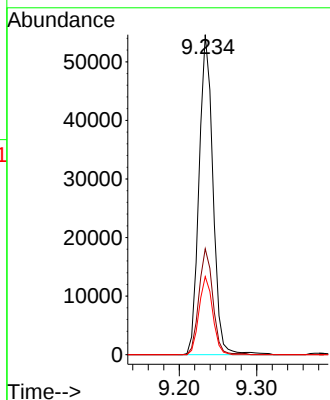
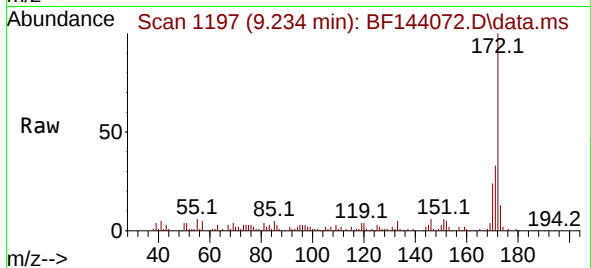
Tgt Ion:172 Resp: 68005

Ion Ratio Lower Upper

172 100

171 33.1 27.5 41.3

170 24.4 19.0 28.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. 0.000 min

Lab File: BF144072.D

Acq: 24 Oct 2025 20:44

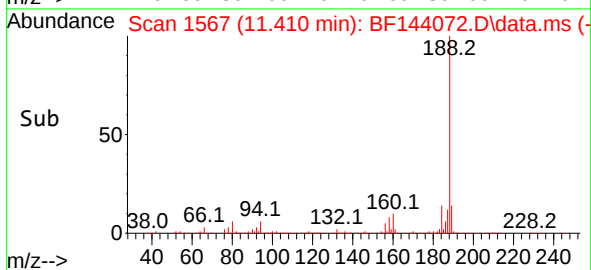
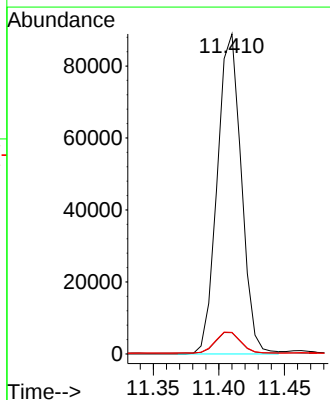
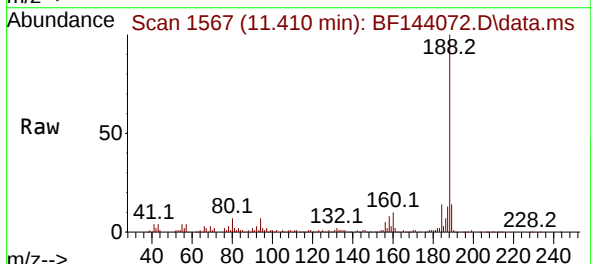
Tgt Ion:188 Resp: 113456

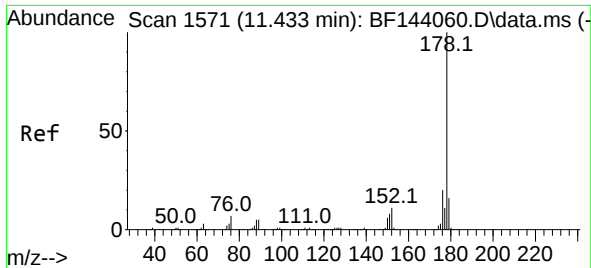
Ion Ratio Lower Upper

188 100

94 6.6 5.4 8.0

80 6.8 6.0 9.0

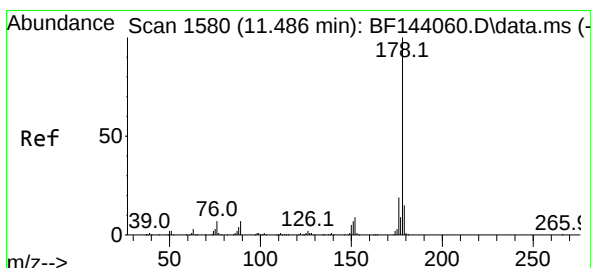
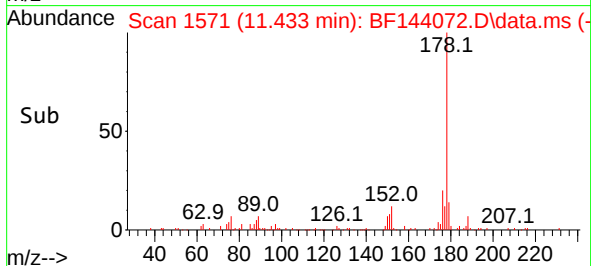
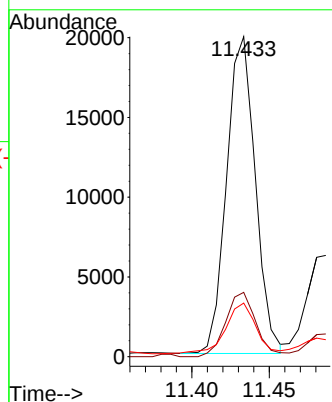
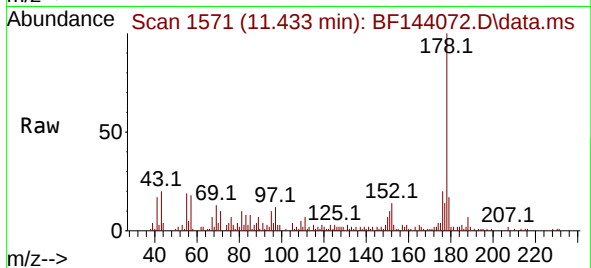




#71
Phenanthrene
Concen: 4.536 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

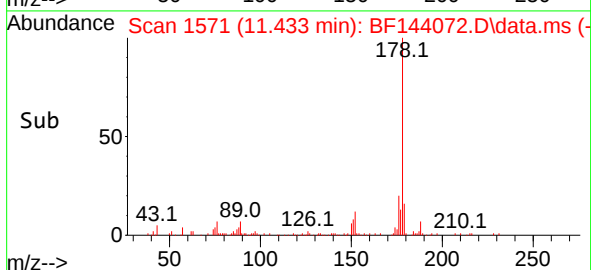
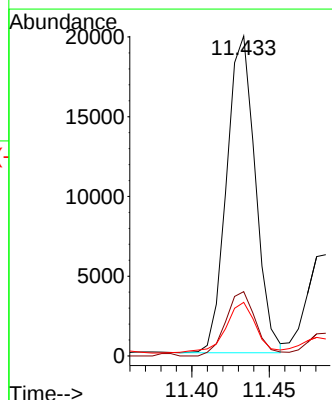
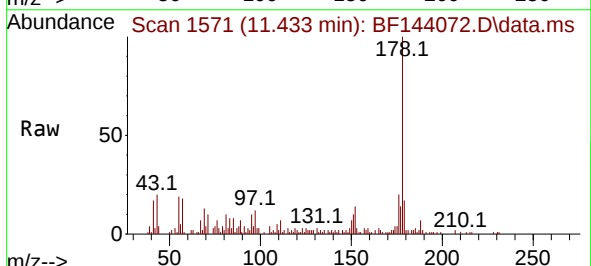
Instrument :
BNA_F
ClientSampleId :

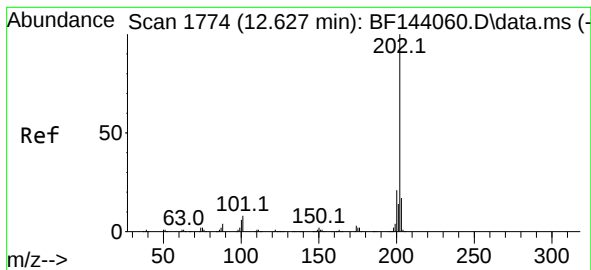
Tgt Ion:178 Resp: 25566
Ion Ratio Lower Upper
178 100
176 20.1 16.3 24.5
179 16.7 12.6 18.8



#72
Anthracene
Concen: 4.391 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.053 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

Tgt Ion:178 Resp: 25566
Ion Ratio Lower Upper
178 100
176 20.1 15.0 22.4
179 16.7 11.8 17.6





#75

Fluoranthene

Concen: 7.278 ng

RT: 12.627 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF144072.D

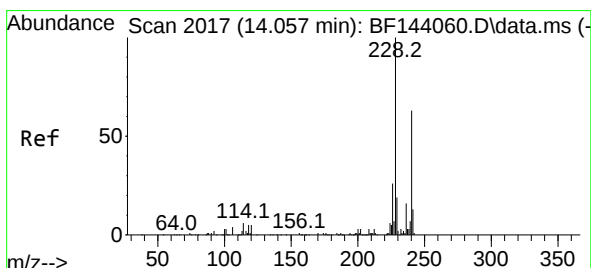
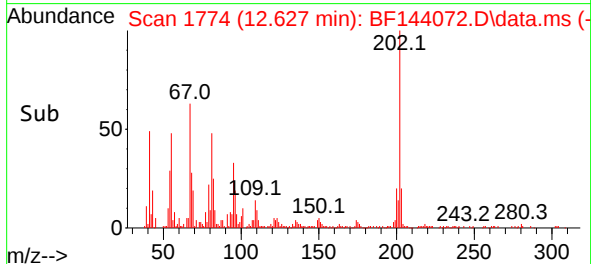
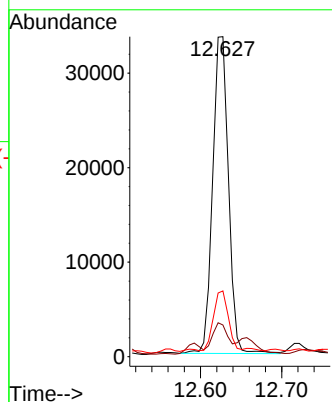
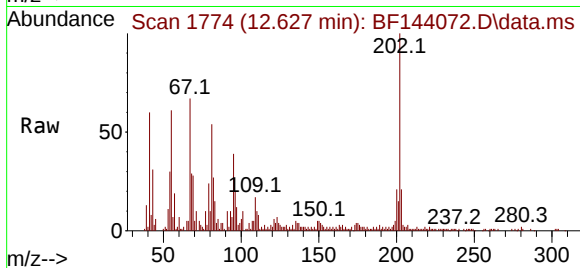
Acq: 24 Oct 2025 20:44

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	202	Resp:	45317
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	27.7
203	20.6	0.0	37.3



#76

Chrysene-d12

Concen: 20.000 ng

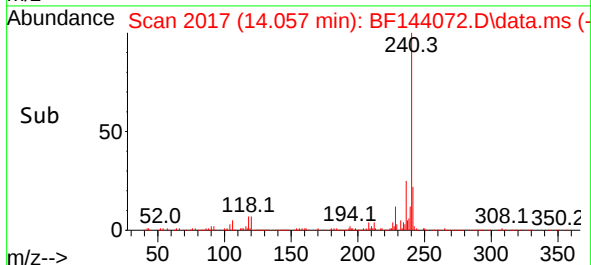
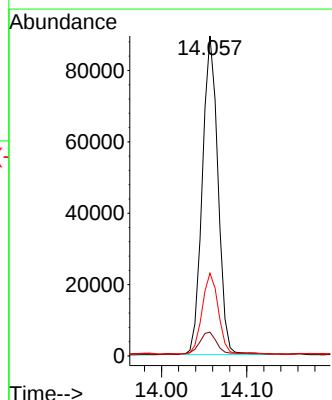
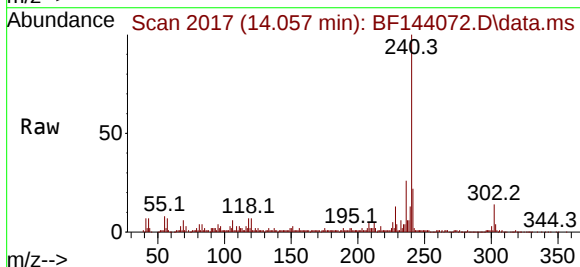
RT: 14.057 min Scan# 2017

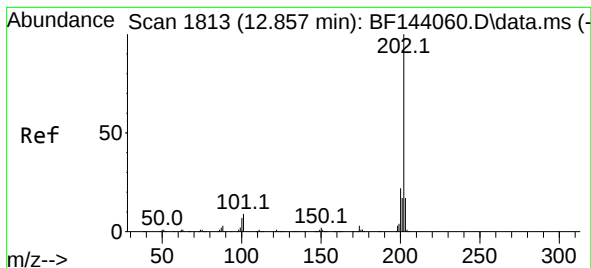
Delta R.T. 0.000 min

Lab File: BF144072.D

Acq: 24 Oct 2025 20:44

Tgt Ion:	240	Resp:	113683
Ion Ratio	Lower	Upper	
240	100		
120	7.4	6.5	9.7
236	25.9	20.1	30.1





#78

Pyrene

Concen: 5.692 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF144072.D

Acq: 24 Oct 2025 20:44

Instrument :

BNA_F

ClientSampleId :

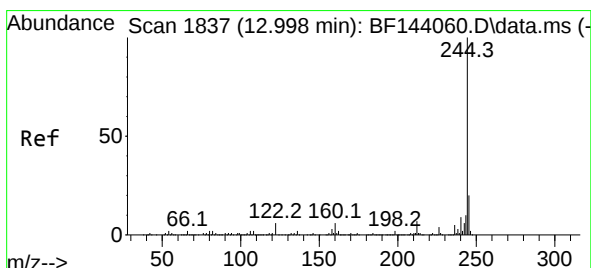
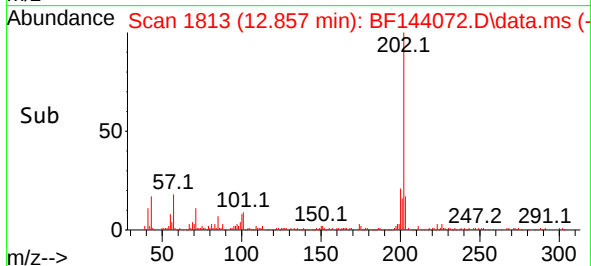
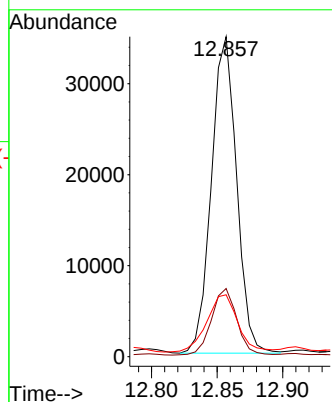
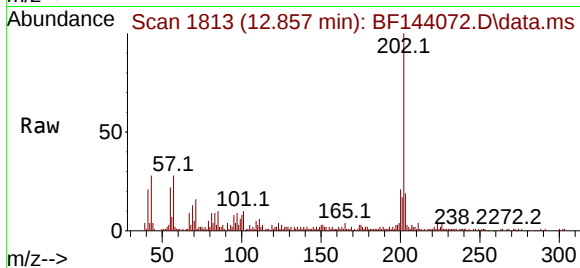
Tgt Ion:202 Resp: 46521

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 19.4 13.5 20.3



#79

Terphenyl-d14

Concen: 14.078 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF144072.D

Acq: 24 Oct 2025 20:44

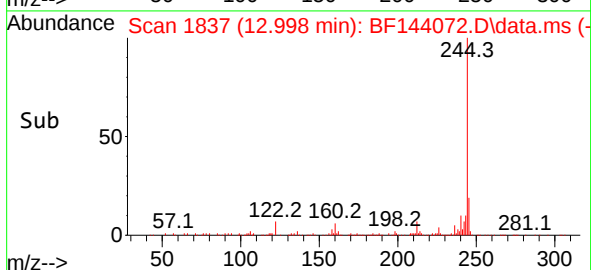
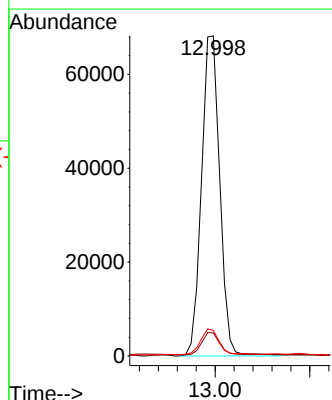
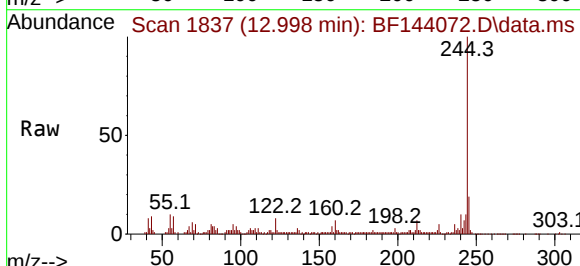
Tgt Ion:244 Resp: 91546

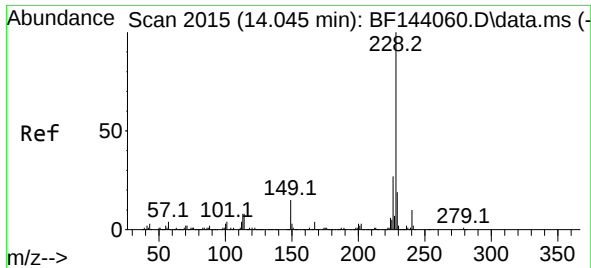
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 8.0 4.9 7.3#

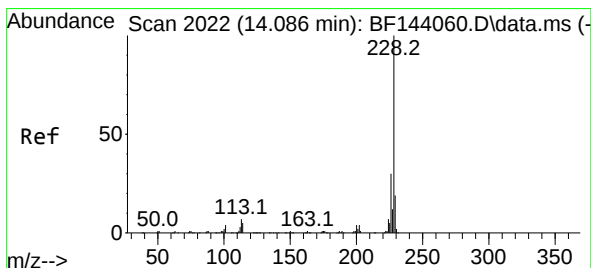
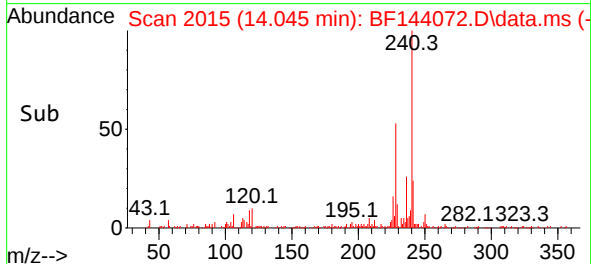
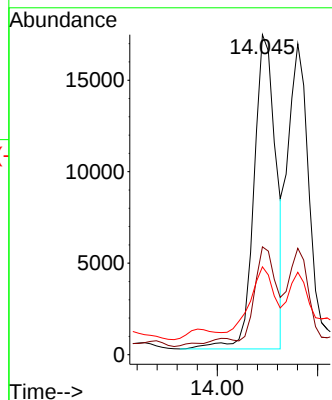
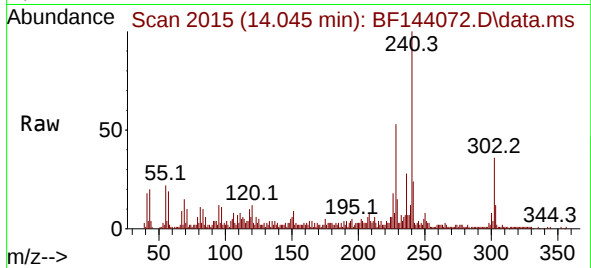




#81
Benzo(a)anthracene
Concen: 3.408 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

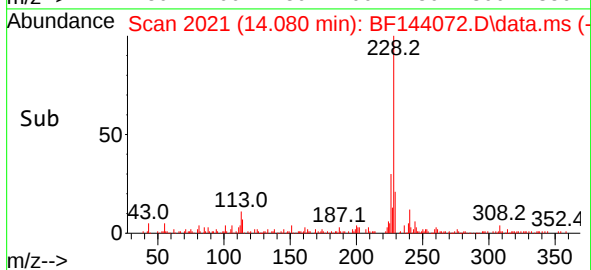
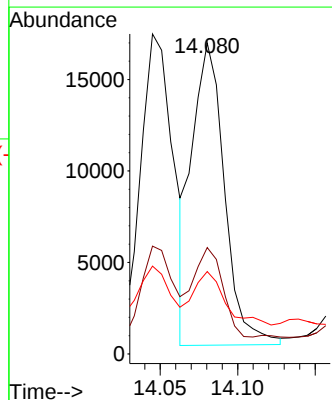
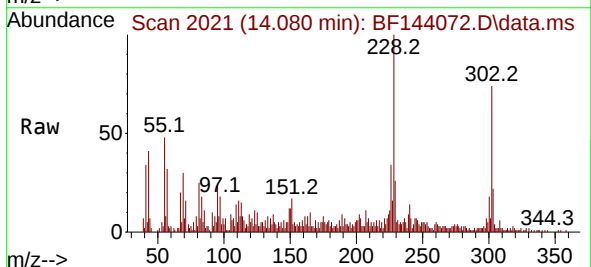
Instrument :
BNA_F
ClientSampleId :

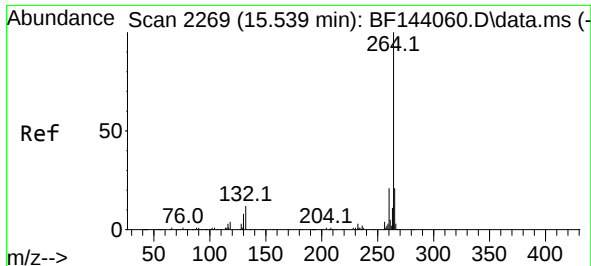
Tgt Ion:228 Resp: 26179
Ion Ratio Lower Upper
228 100
226 33.7 21.4 32.2#
229 27.4 15.3 22.9#



#83
Chrysene
Concen: 3.338 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

Tgt Ion:228 Resp: 24064
Ion Ratio Lower Upper
228 100
226 34.2 23.8 35.6
229 26.5 15.6 23.4#



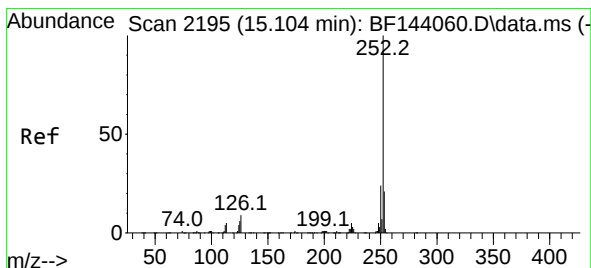
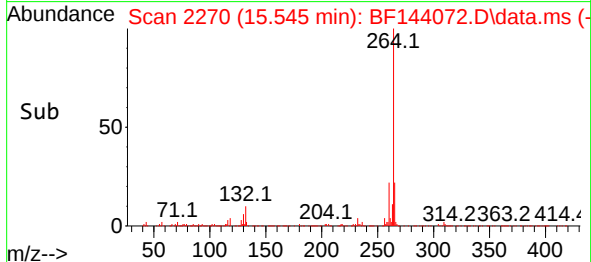
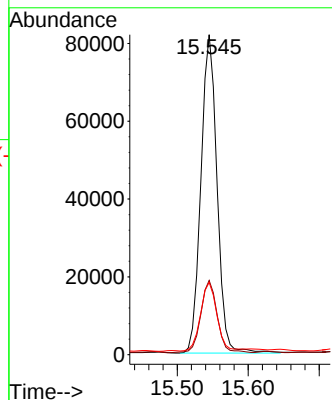
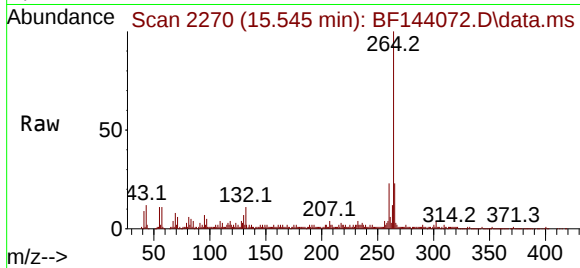


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 129775

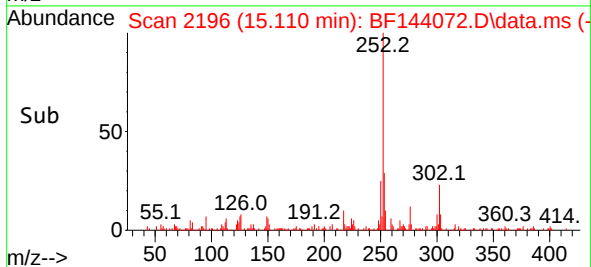
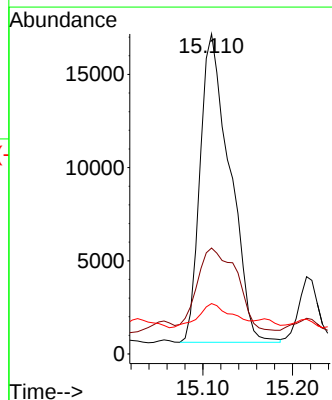
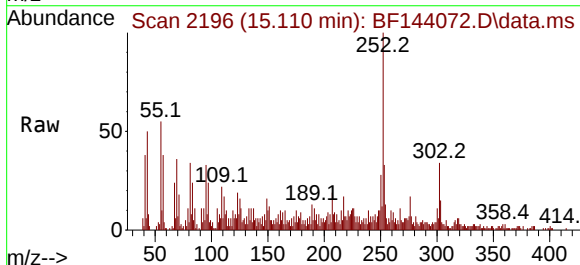
Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.0	25.4
265	22.6	16.6	24.8

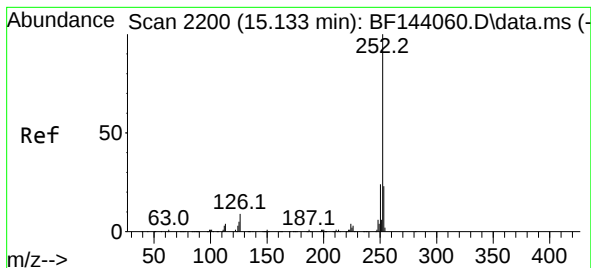


#88
Benzo(b)fluoranthene
Concen: 5.185 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

Tgt Ion:252 Resp: 38040

Ion	Ratio	Lower	Upper
252	100		
253	33.1	17.2	25.8#
125	15.7	5.0	7.6#





#89

Benzo(k)fluoranthene

Concen: 5.620 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.023 min

Lab File: BF144072.D

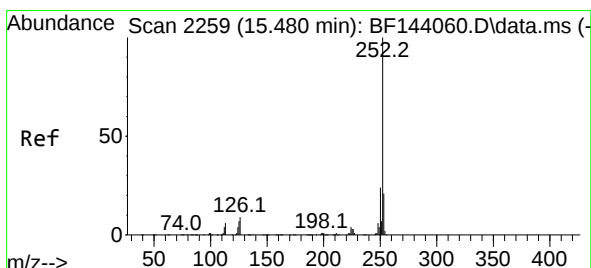
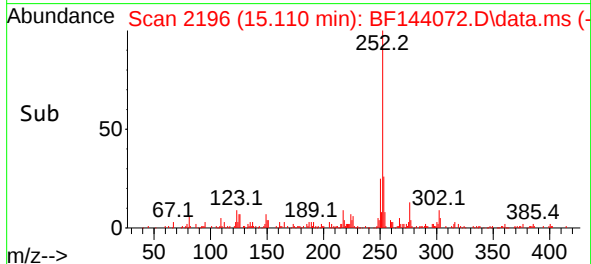
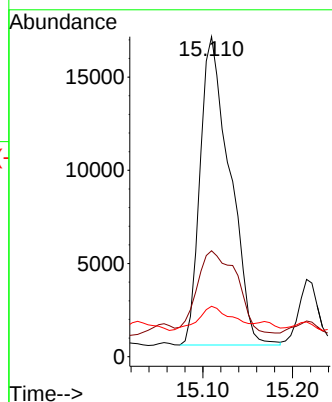
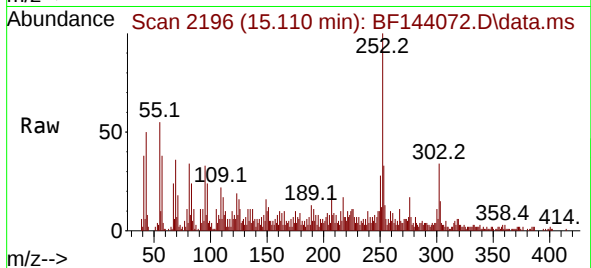
Acq: 24 Oct 2025 20:44

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:252 Resp: 38040
 Ion Ratio Lower Upper
 252 100
 253 33.1 17.4 26.2#
 125 15.7 4.9 7.3#



#90

Benzo(a)pyrene

Concen: 3.545 ng

RT: 15.480 min Scan# 2259

Delta R.T. 0.000 min

Lab File: BF144072.D

Acq: 24 Oct 2025 20:44

Tgt Ion:252 Resp: 23332
 Ion Ratio Lower Upper
 252 100
 253 29.3 17.1 25.7#
 125 16.8 5.4 8.2#

