

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110325\
 Data File : BF144167.D
 Acq On : 03 Nov 2025 18:26
 Operator : RC/JU
 Sample : Q3516-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-103125

Quant Time: Nov 04 10:12:33 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)

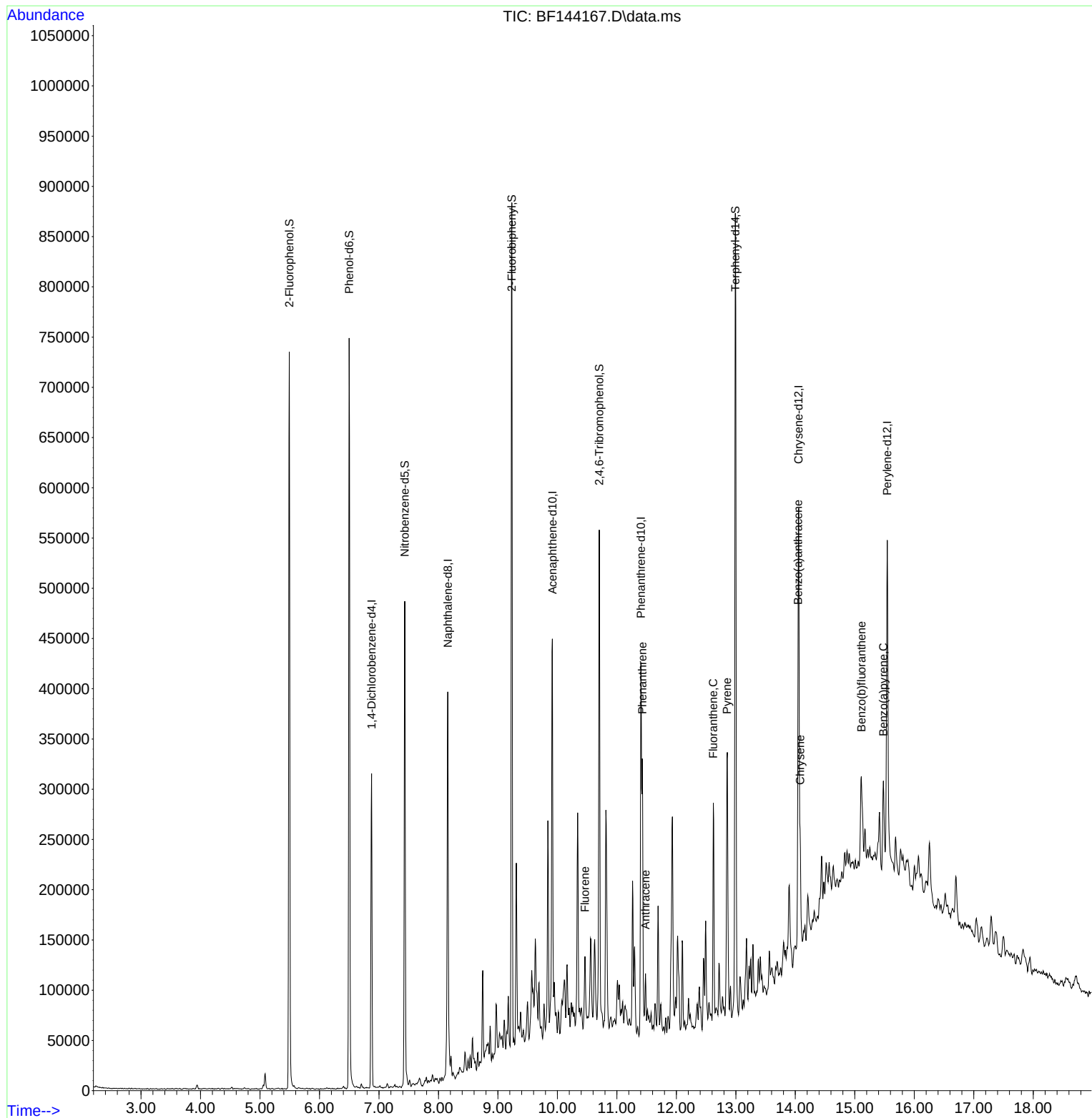
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	66307	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	240273	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	122397	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	197509	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	197733	20.000	ng	0.00
86) Perylene-d12	15.545	264	207478	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	284318	67.839	ng	0.00
7) Phenol-d6	6.498	99	317733	68.646	ng	0.00
23) Nitrobenzene-d5	7.433	82	195116	44.490	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	96974	62.199	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	398016	45.761	ng	0.00
79) Terphenyl-d14	12.992	244	417322	36.897	ng	0.00
Target Compounds						
58) Fluorene	10.463	166	23588	3.374	ng	# 94
71) Phenanthrene	11.427	178	143879	14.665	ng	98
72) Anthracene	11.480	178	34846m	3.438	ng	
75) Fluoranthene	12.621	202	125637	11.590	ng	99
78) Pyrene	12.851	202	149443	10.513	ng	97
81) Benzo(a)anthracene	14.045	228	77329	5.787	ng	94
83) Chrysene	14.080	228	67879	5.413	ng	98
88) Benzo(b)fluoranthene	15.109	252	74153m	6.322	ng	
90) Benzo(a)pyrene	15.480	252	48496	4.609	ng	# 90

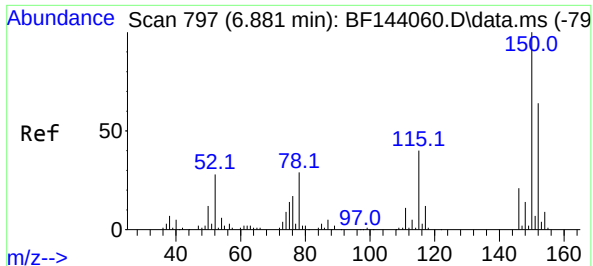
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110325\
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Quant Time: Nov 04 10:12:33 2025
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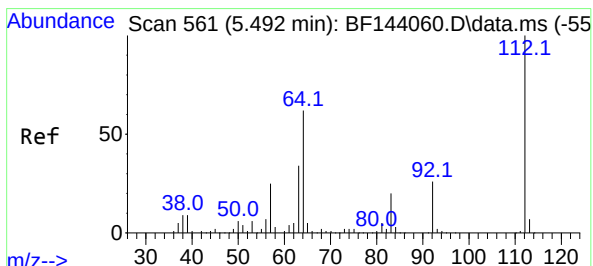
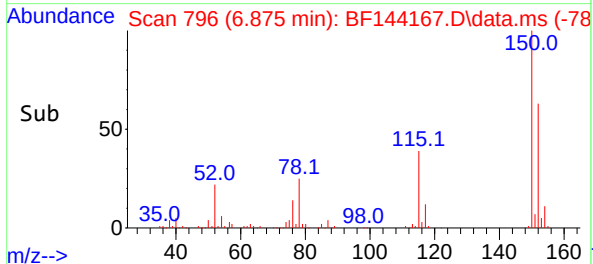
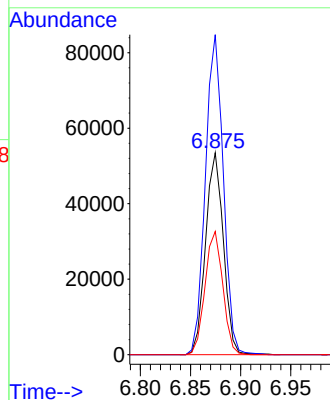
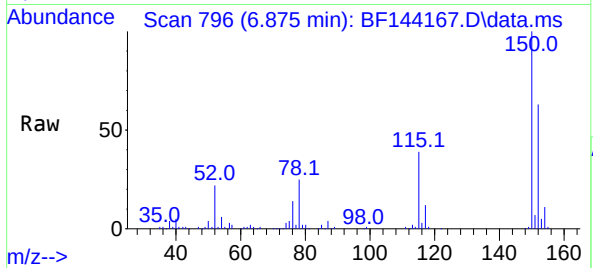




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

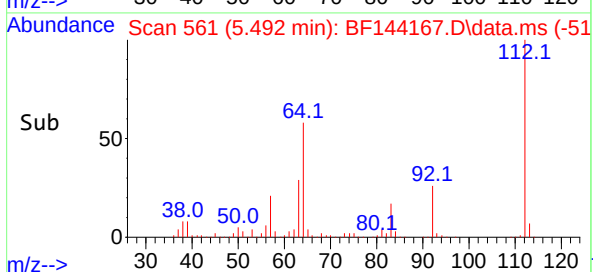
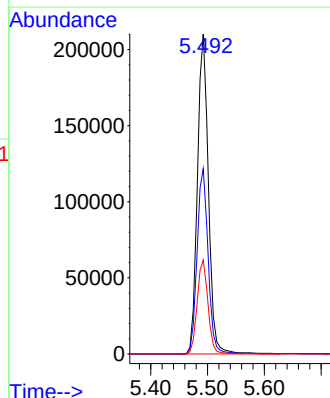
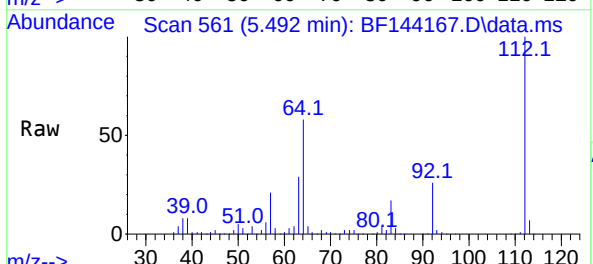
Instrument :
BNA_F
ClientSampleId :
HD-01-103125

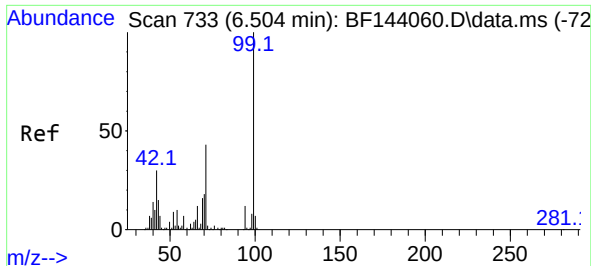
Tgt Ion:152 Resp: 66307
Ion Ratio Lower Upper
152 100
150 158.5 124.4 186.6
115 61.0 49.4 74.0



#5
2-Fluorophenol
Concen: 67.839 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Tgt Ion:112 Resp: 284318
Ion Ratio Lower Upper
112 100
64 57.9 49.8 74.8
63 29.3 27.4 41.2

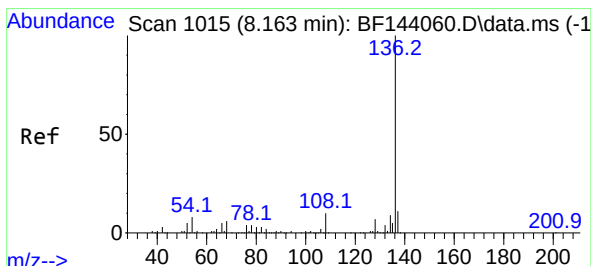
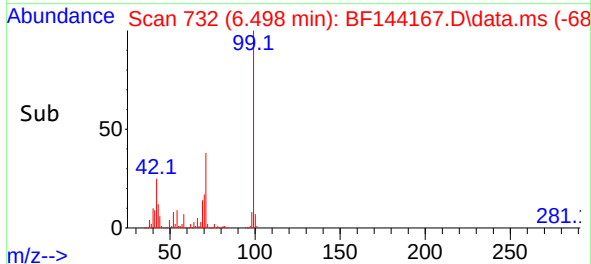
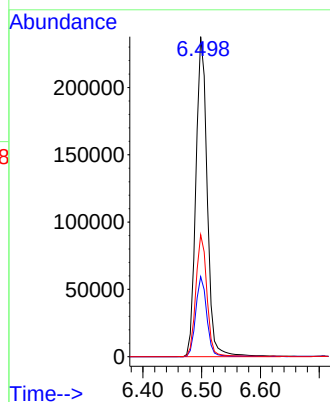
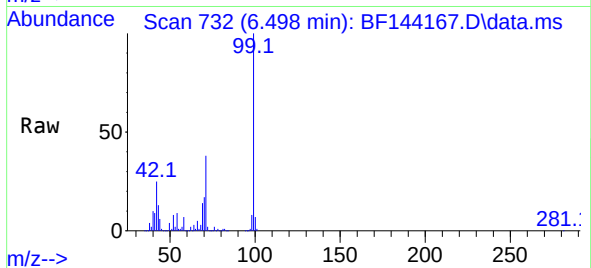




#7
Phenol-d6
Concen: 68.646 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

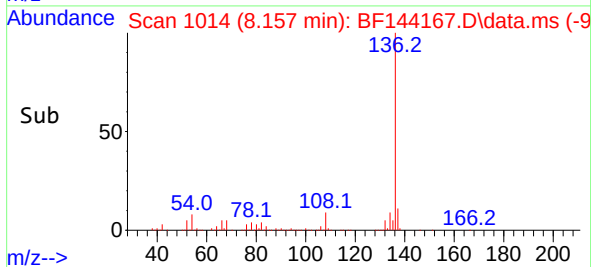
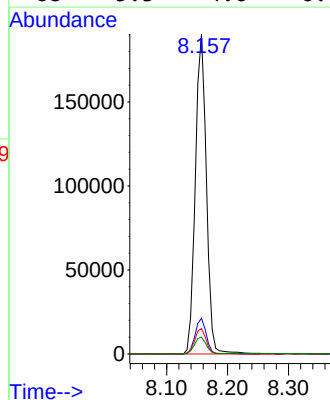
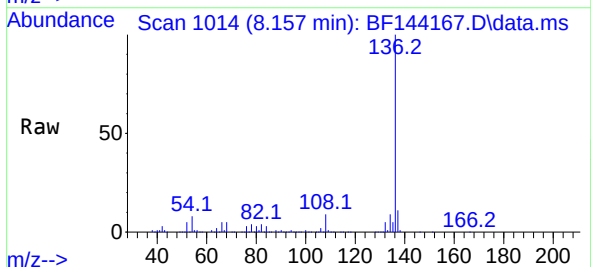
Instrument :
BNA_F
ClientSampleId :
HD-01-103125

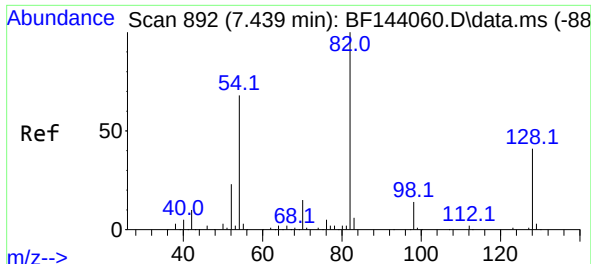
Tgt Ion: 99 Resp: 317733
Ion Ratio Lower Upper
99 100
42 25.0 23.9 35.9
71 38.1 34.4 51.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Tgt Ion:136 Resp: 240273
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.0 6.6 9.8
68 5.3 4.6 6.8

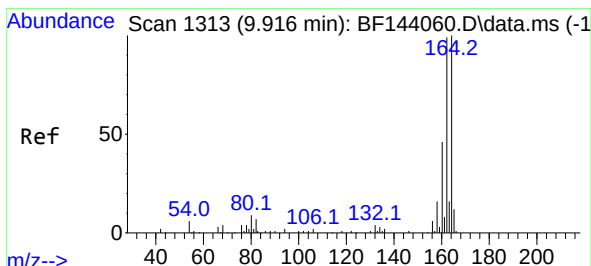
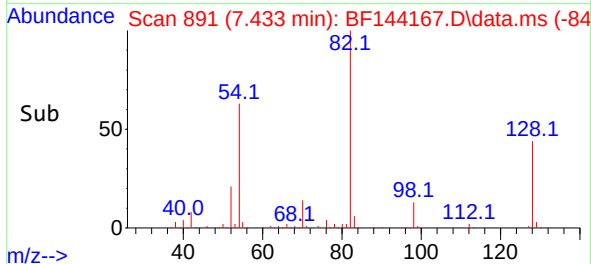
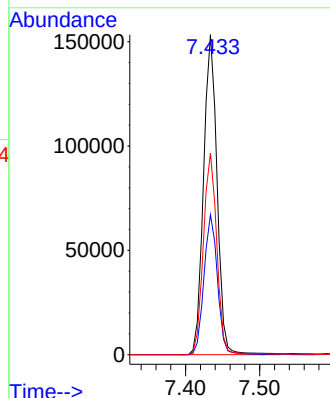
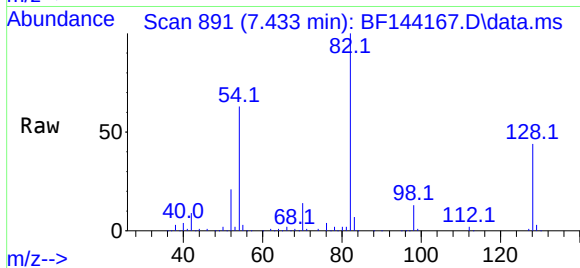




#23
Nitrobenzene-d5
Concen: 44.490 ng
RT: 7.433 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

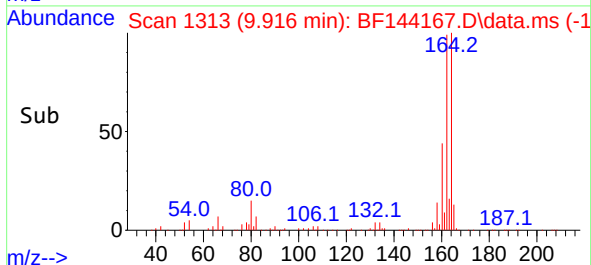
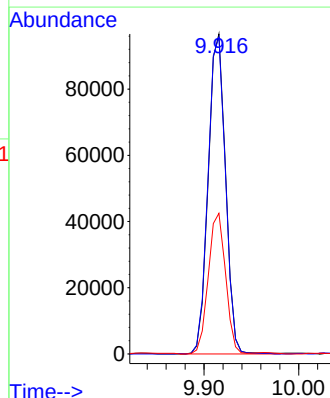
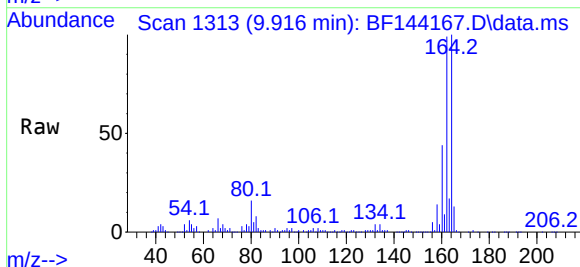
Instrument :
BNA_F
ClientSampleId :
HD-01-103125

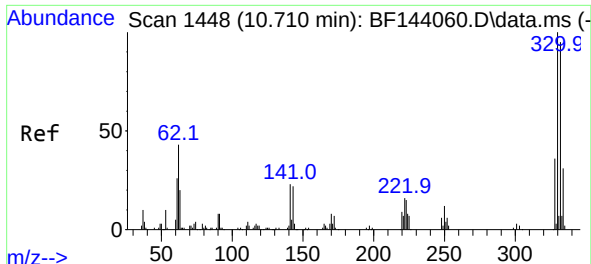
Tgt Ion: 82 Resp: 195116
Ion Ratio Lower Upper
82 100
128 43.8 32.4 48.6
54 63.0 54.0 81.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Tgt Ion:164 Resp: 122397
Ion Ratio Lower Upper
164 100
162 99.0 79.4 119.2
160 43.9 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 62.199 ng

RT: 10.704 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF144167.D

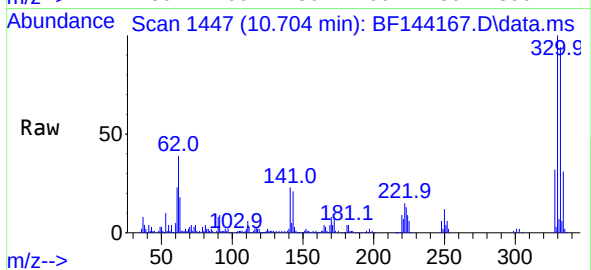
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Instrument :

BNA_F

ClientSampleId :

HD-01-103125



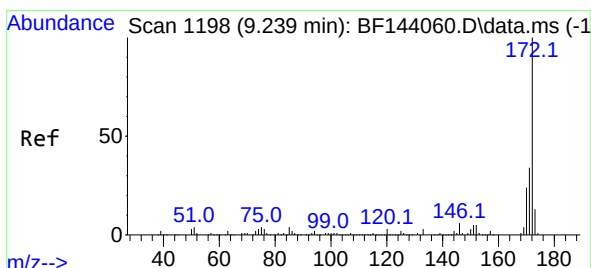
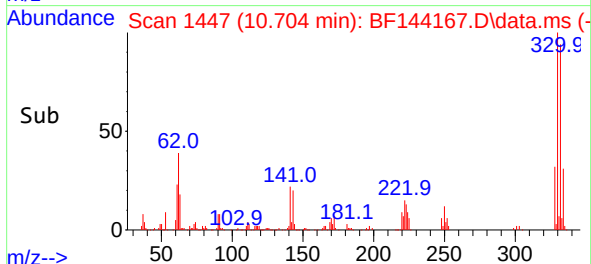
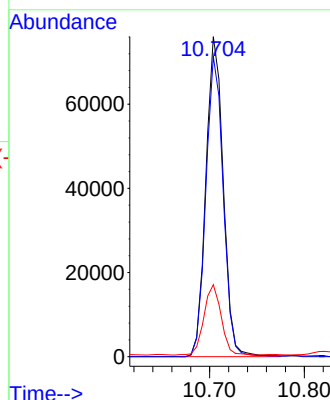
Tgt Ion:330 Resp: 96974

Ion Ratio Lower Upper

330 100

332 93.6 77.0 115.6

141 21.8 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 45.761 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144167.D

Acq: 03 Nov 2025 18:26

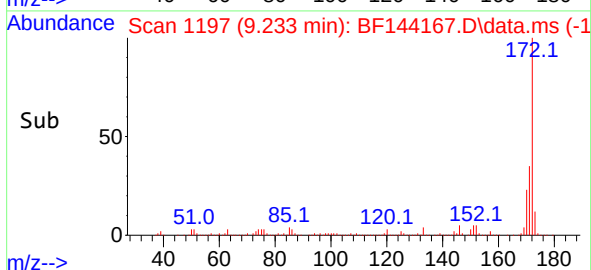
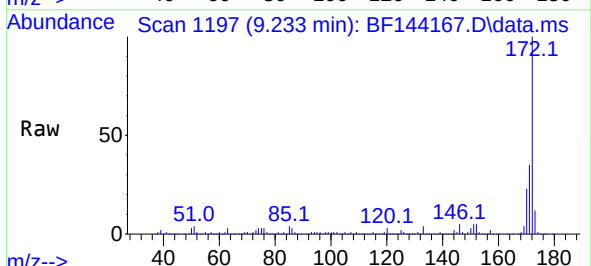
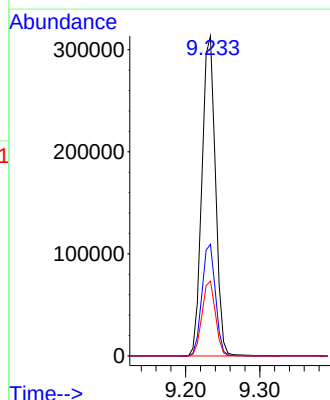
Tgt Ion:172 Resp: 398016

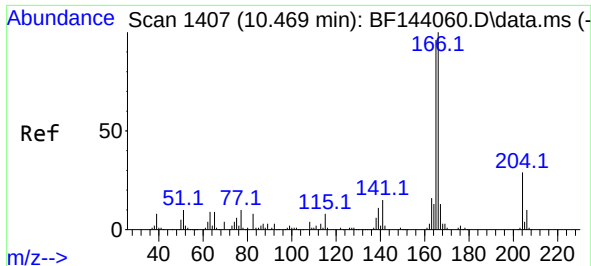
Ion Ratio Lower Upper

172 100

171 34.9 27.5 41.3

170 23.4 19.0 28.6

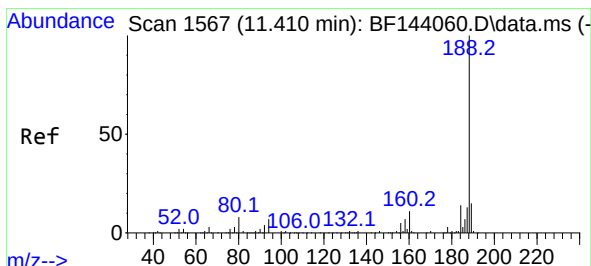
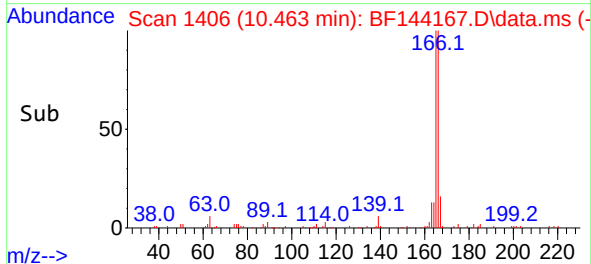
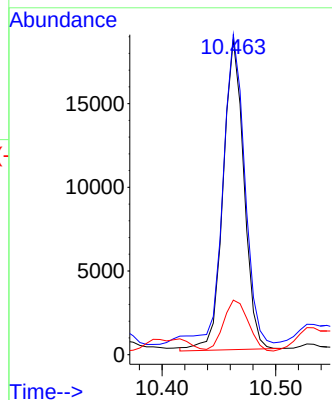
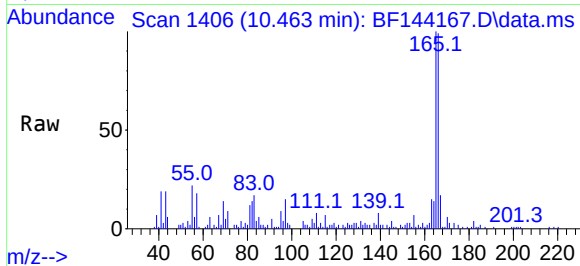




#58
Fluorene
Concen: 3.374 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

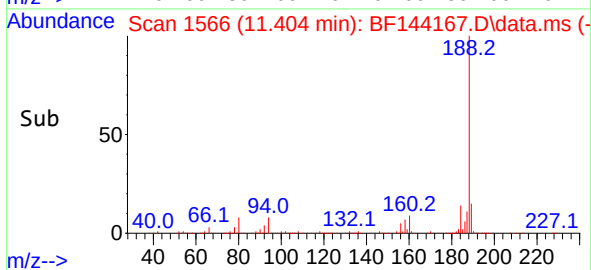
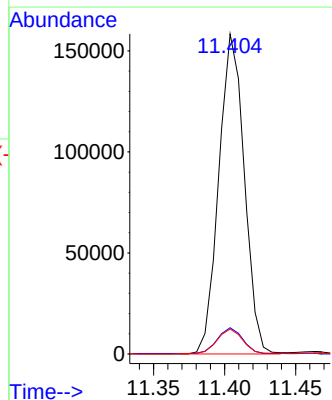
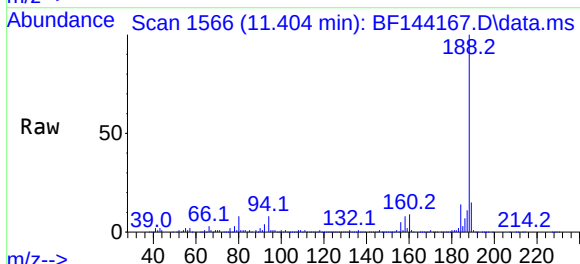
Instrument :
BNA_F
ClientSampleId :
HD-01-103125

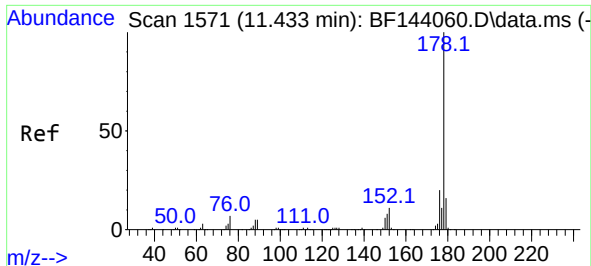
Tgt Ion:166 Resp: 23588
Ion Ratio Lower Upper
166 100
165 101.5 77.0 115.4
167 17.3 10.2 15.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Tgt Ion:188 Resp: 197509
Ion Ratio Lower Upper
188 100
94 8.2 5.4 8.0#
80 7.8 6.0 9.0

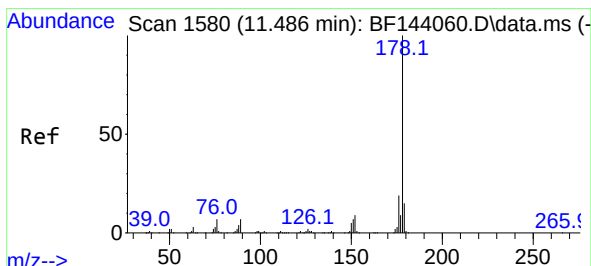
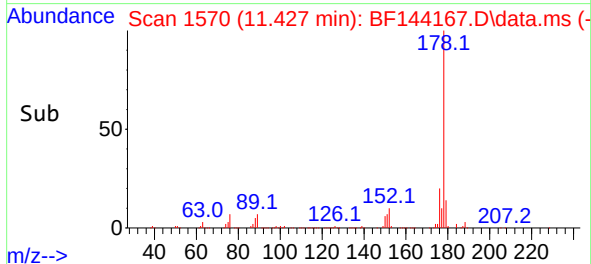
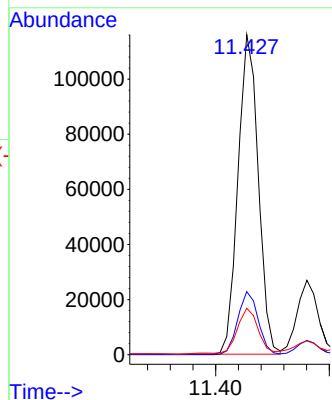
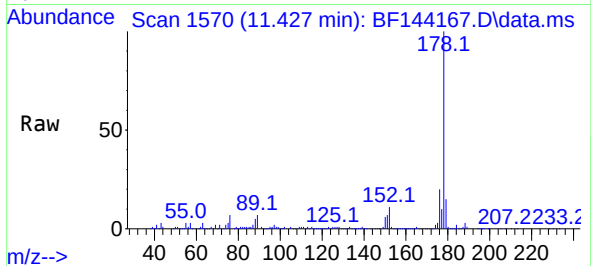




#71
Phenanthrene
Concen: 14.665 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

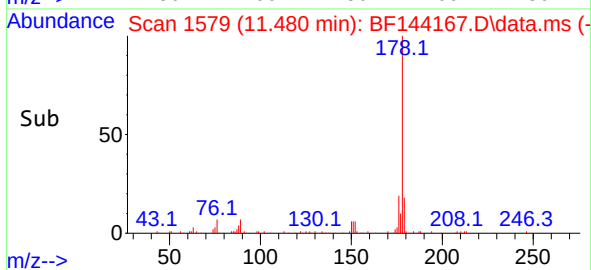
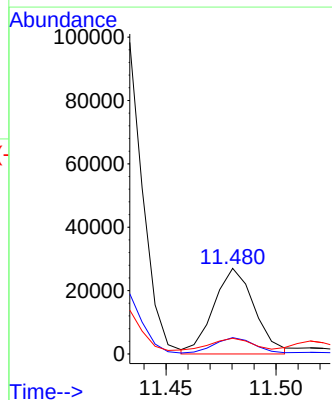
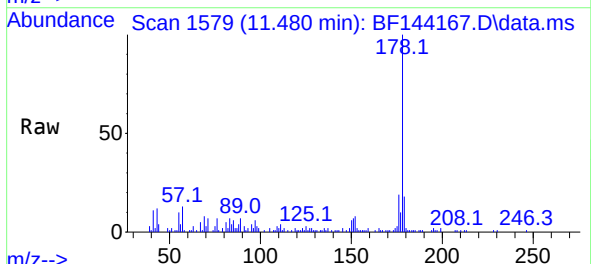
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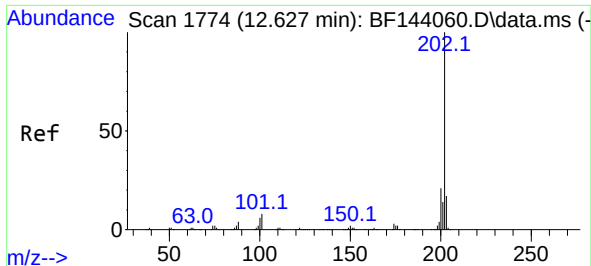
Tgt Ion:178 Resp: 143879
Ion Ratio Lower Upper
178 100
176 19.7 16.3 24.5
179 14.5 12.6 18.8



#72
Anthracene
Concen: 3.438 ng m
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Tgt Ion:178 Resp: 34846
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.4
179 18.4 11.8 17.6#

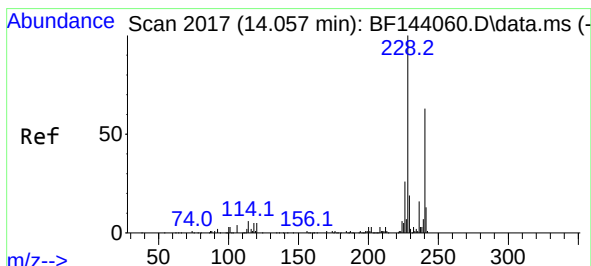
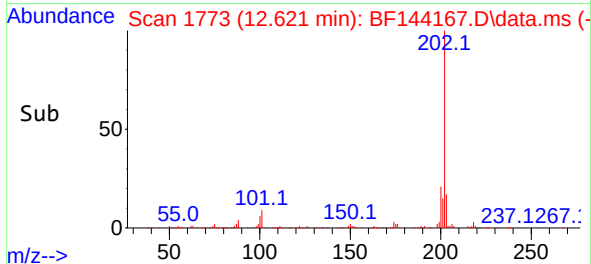
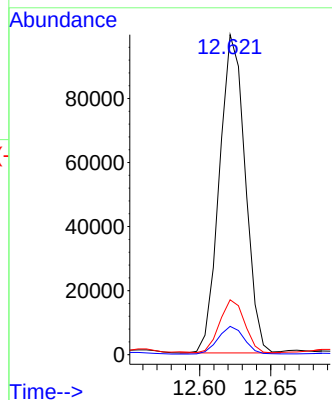
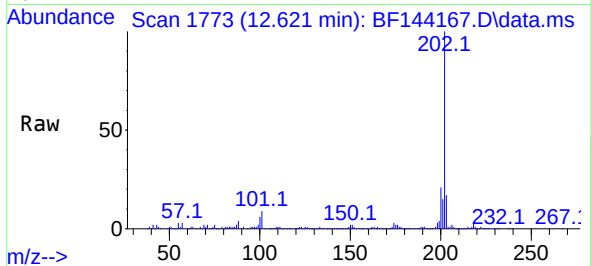




#75
Fluoranthene
Concen: 11.590 ng
RT: 12.621 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

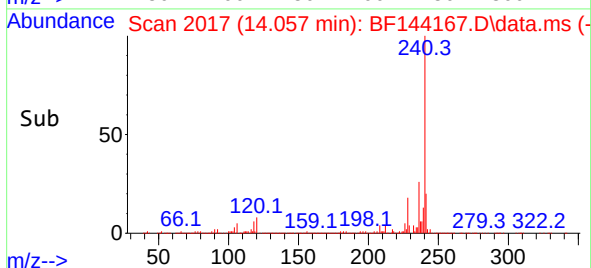
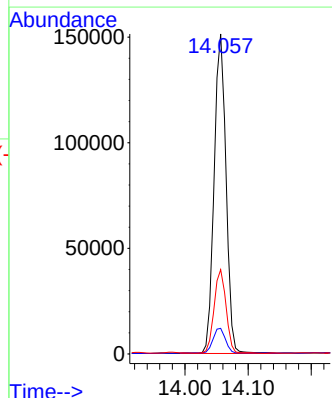
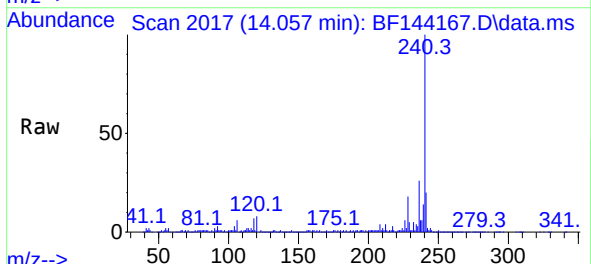
Instrument :
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ClientSampleId :
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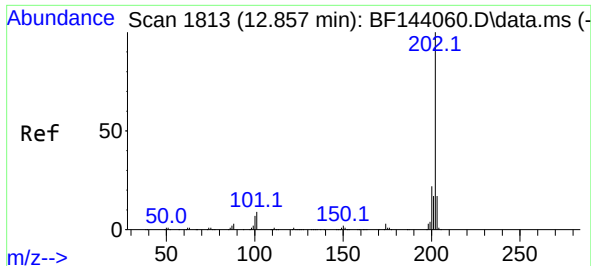
Tgt Ion:202 Resp: 125637
Ion Ratio Lower Upper
202 100
101 8.9 0.0 27.7
203 17.2 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Tgt Ion:240 Resp: 197733
Ion Ratio Lower Upper
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120 8.0 6.5 9.7
236 26.4 20.1 30.1

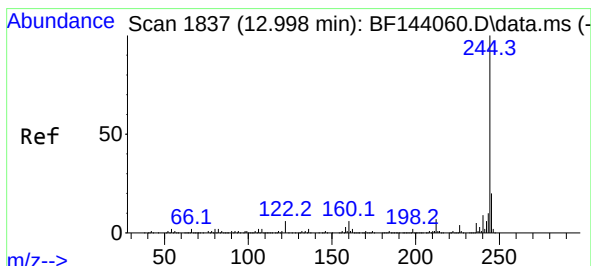
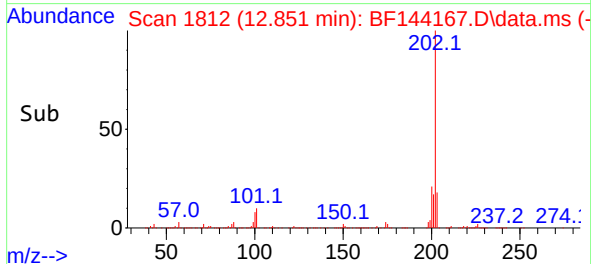
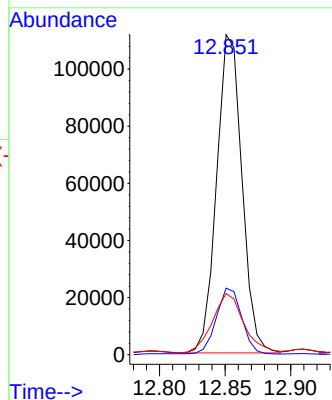
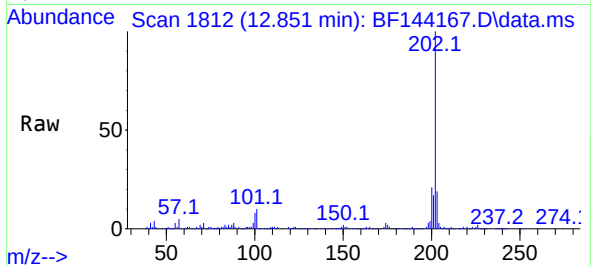




#78
Pyrene
Concen: 10.513 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

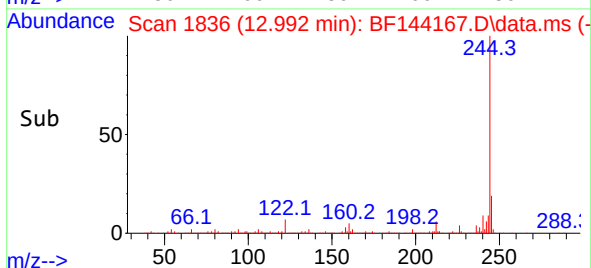
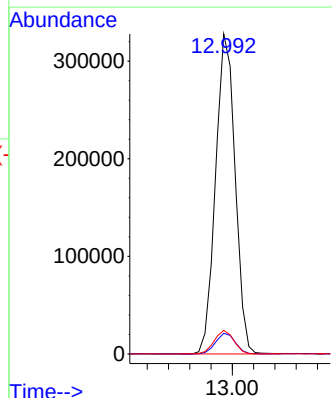
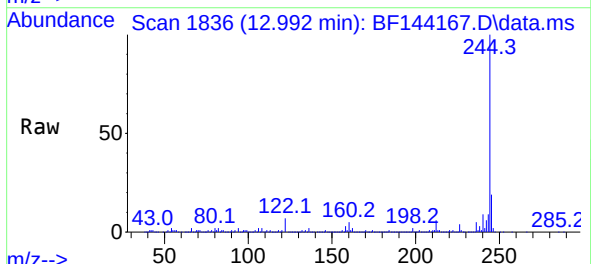
Instrument :
BNA_F
ClientSampleId :
HD-01-103125

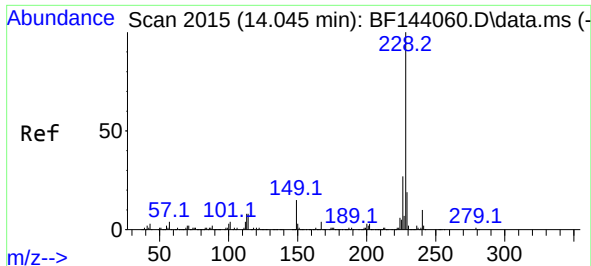
Tgt Ion:202 Resp: 149443
Ion Ratio Lower Upper
202 100
200 20.8 17.2 25.8
203 19.1 13.5 20.3



#79
Terphenyl-d14
Concen: 36.897 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Tgt Ion:244 Resp: 417322
Ion Ratio Lower Upper
244 100
212 6.4 5.8 8.6
122 7.4 4.9 7.3#

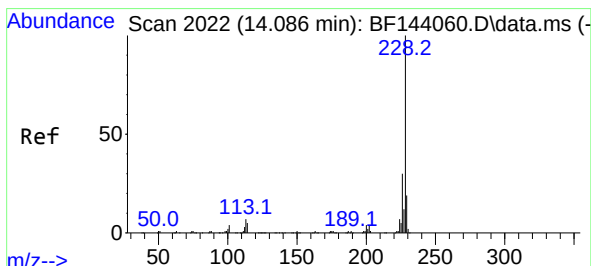
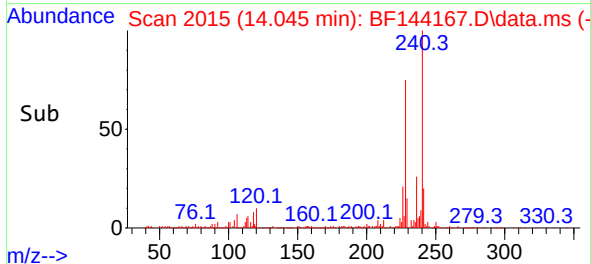
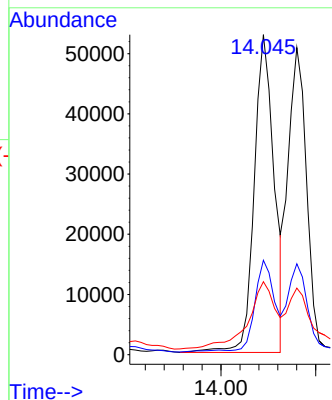
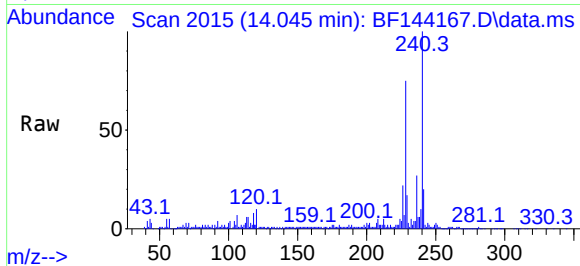




#81
Benzo(a)anthracene
Concen: 5.787 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

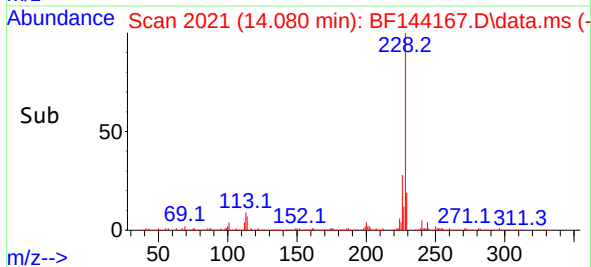
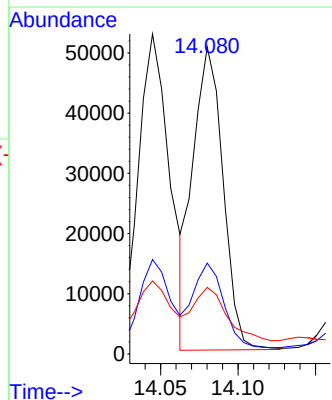
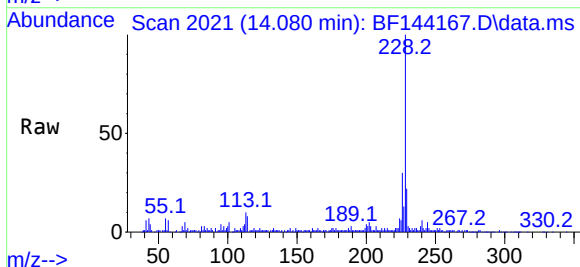
Instrument :
BNA_F
ClientSampleId :
HD-01-103125

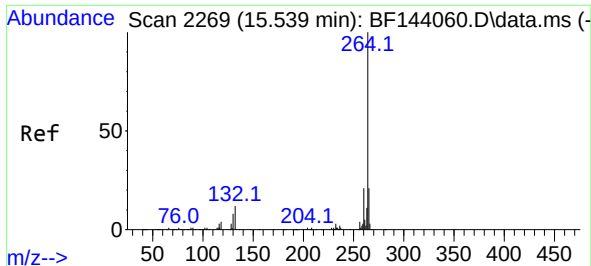
Tgt Ion:228 Resp: 77329
Ion Ratio Lower Upper
228 100
226 29.5 21.4 32.2
229 22.8 15.3 22.9



#83
Chrysene
Concen: 5.413 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Tgt Ion:228 Resp: 67879
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.6
229 21.7 15.6 23.4

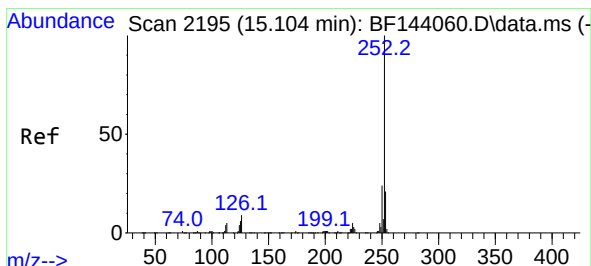
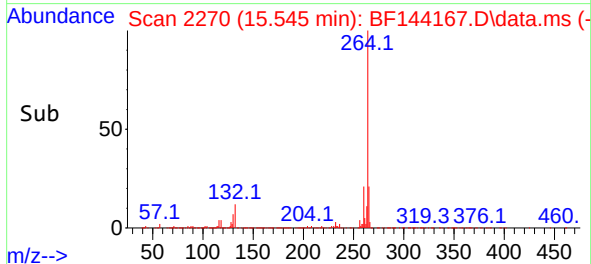
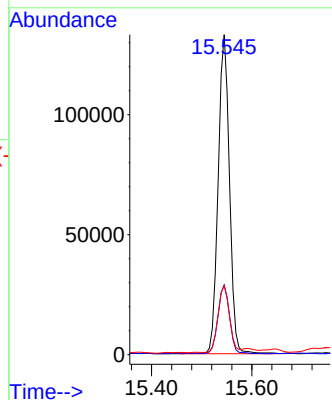
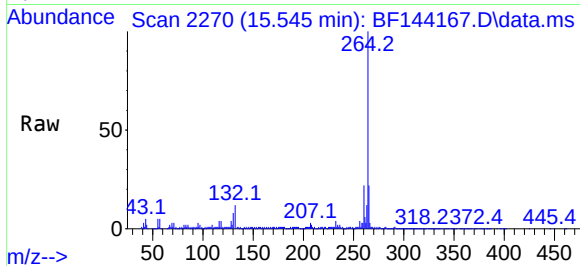




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

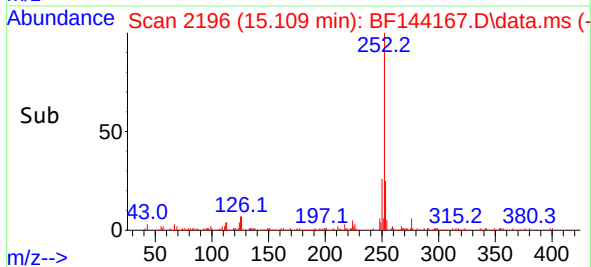
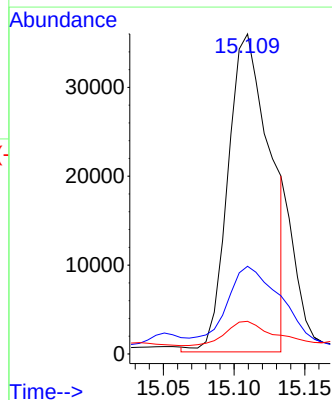
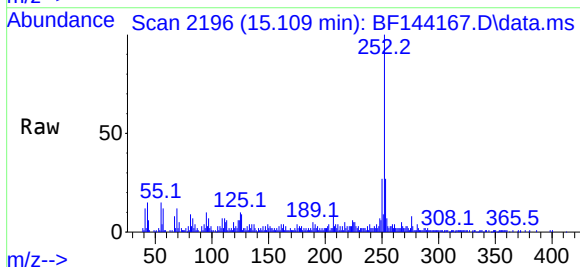
Instrument :
BNA_F
ClientSampleId :
HD-01-103125

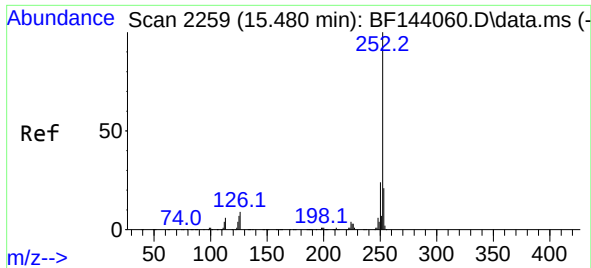
Tgt Ion:264 Resp: 207478
Ion Ratio Lower Upper
264 100
260 21.8 17.0 25.4
265 21.5 16.6 24.8



#88
Benzo(b)fluoranthene
Concen: 6.322 ng m
RT: 15.109 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

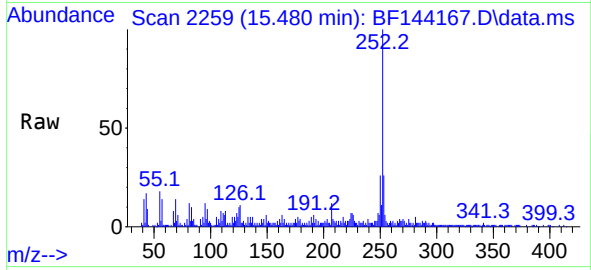
Tgt Ion:252 Resp: 74153
Ion Ratio Lower Upper
252 100
253 27.4 17.2 25.8#
125 10.2 5.0 7.6#





#90
Benzo(a)pyrene
Concen: 4.609 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Instrument :
BNA_F
ClientSampleId :
HD-01-103125



Tgt Ion:252 Resp: 48496
Ion Ratio Lower Upper
252 100
253 26.1 17.1 25.7#
125 10.1 5.4 8.2#

