

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)

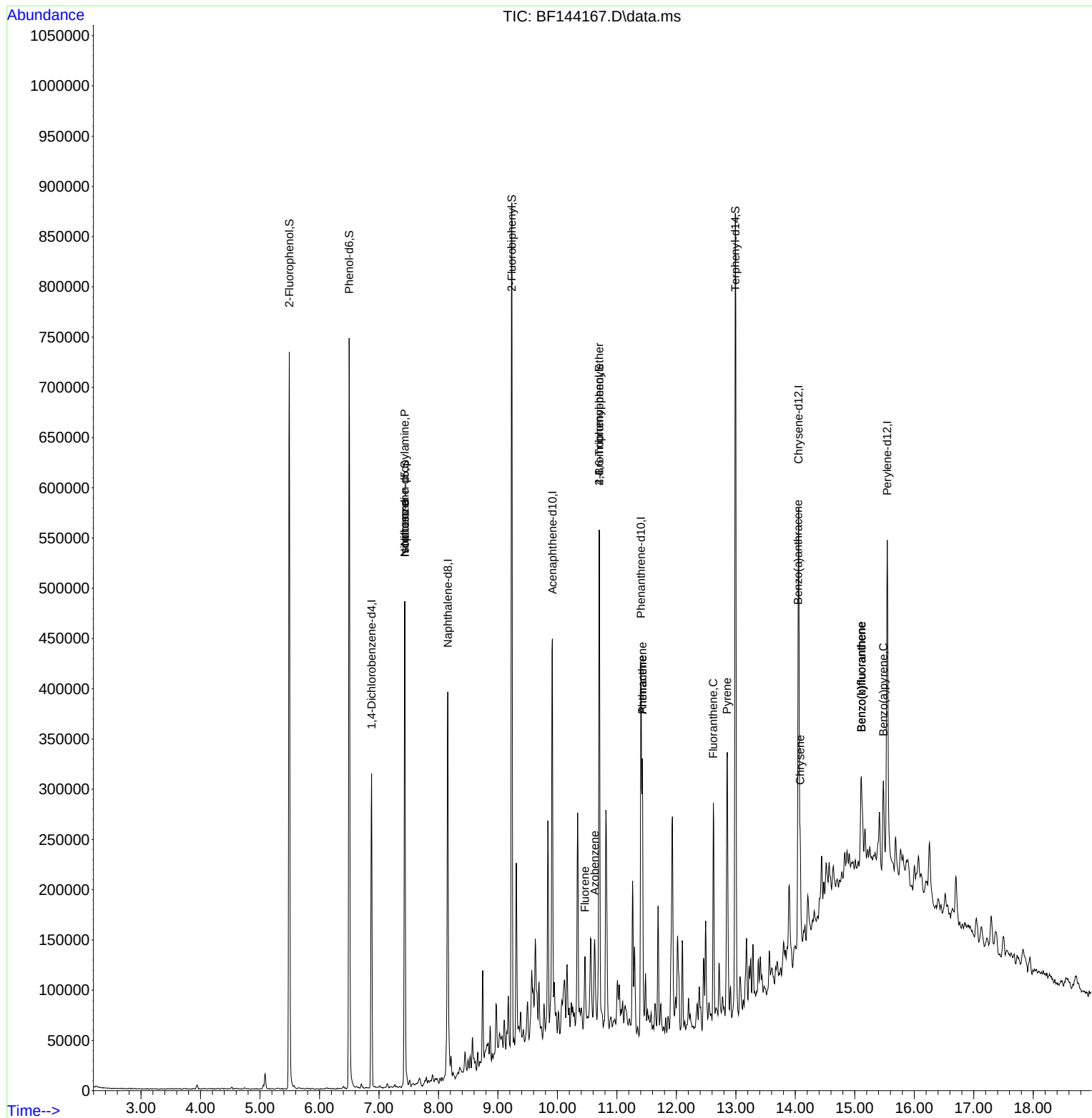
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	66307	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	240273	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	122397	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	197509	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	197733	20.000	ng	0.00
86) Perylene-d12	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						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	28366	9.477	ng	# 72
25) Isophorone	7.433	82	193701	25.263	ng	# 66
58) Fluorene	10.463	166	23588	3.374	ng	# 94
63) Azobenzene	10.627	77	18201	2.549	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	5643	2.282	ng	# 1
71) Phenanthrene	11.427	178	143879	14.665	ng	98
72) Anthracene	11.427	178	143879	14.196	ng	99
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	82326	7.019	ng	# 88
89) Benzo(k)fluoranthene	15.109	252	82326	7.607	ng	# 88
90) Benzo(a)pyrene	15.480	252	48496	4.609	ng	# 90

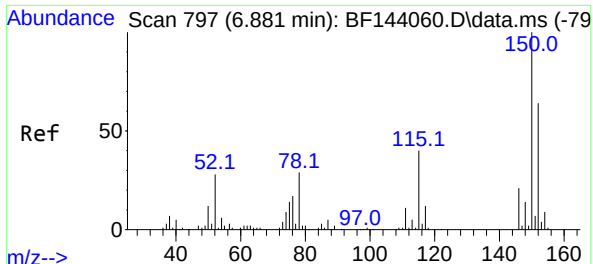
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
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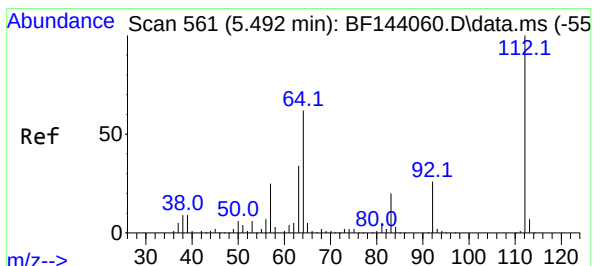
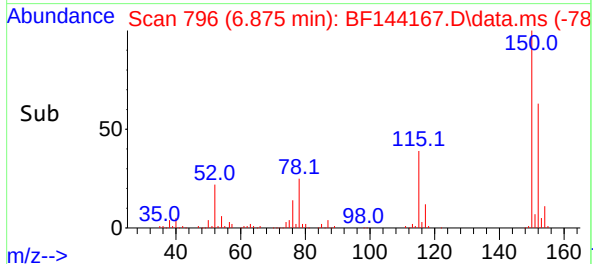
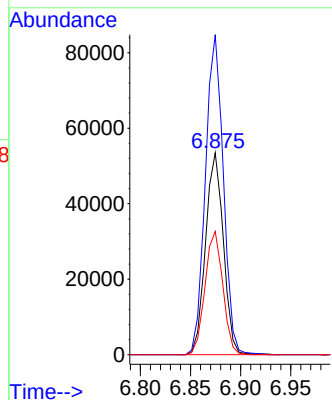
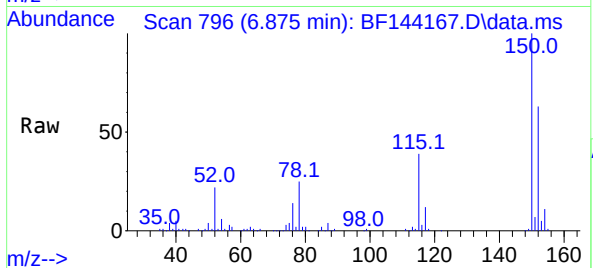




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF144167.D
 Acq: 03 Nov 2025 18:26

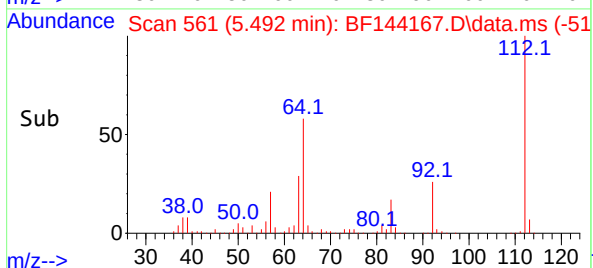
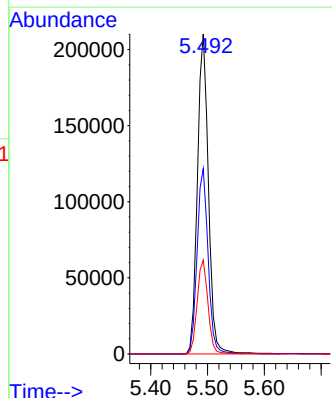
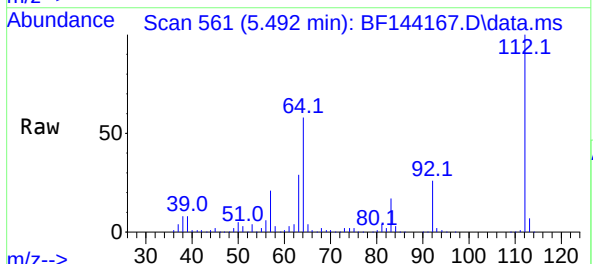
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-103125

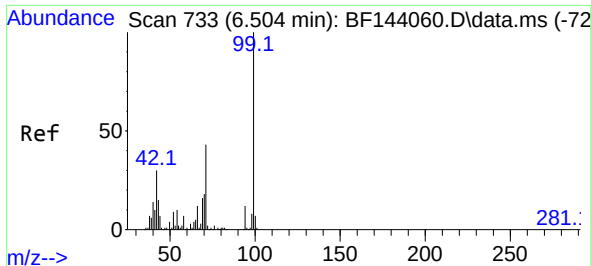
Tgt Ion:152 Resp: 66307
 Ion Ratio Lower Upper
 152 100
 150 158.5 124.4 186.6
 115 61.0 49.4 74.0



#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

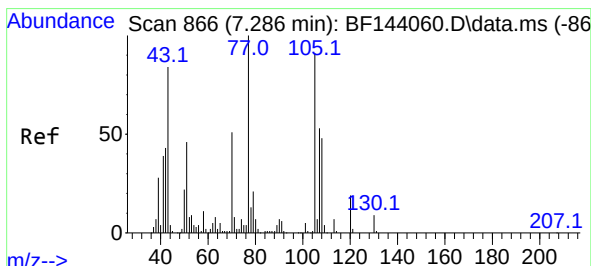
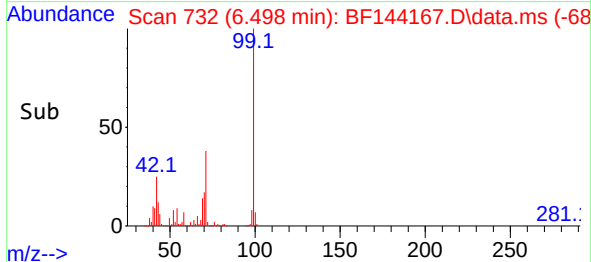
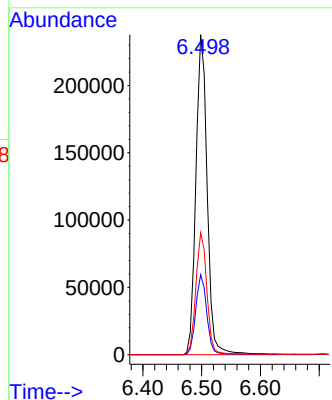
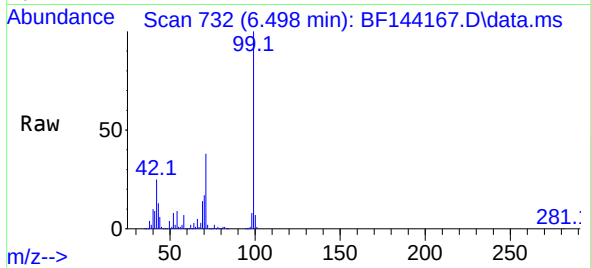




#7
Phenol-d6
Concen: 68.646 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

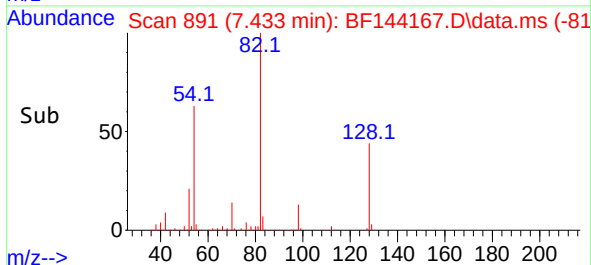
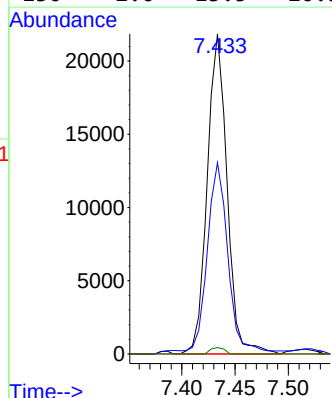
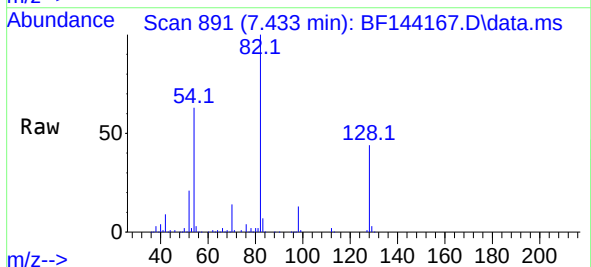
Instrument :
BNA_F
ClientSampleId :
HD-01-103125

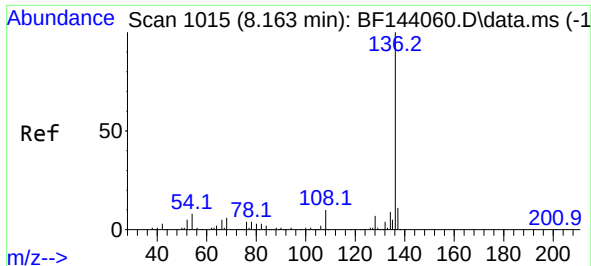
Tgt Ion: 99 Resp: 317733
Ion Ratio Lower Upper
99 100
42 25.0 23.9 35.9
71 38.1 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.477 ng
RT: 7.433 min Scan# 891
Delta R.T. 0.147 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Tgt Ion: 70 Resp: 28366
Ion Ratio Lower Upper
70 100
42 59.8 67.4 101.0#
101 0.0 7.1 10.7#
130 2.0 13.5 20.3#



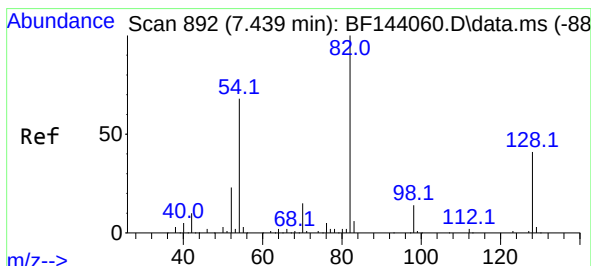
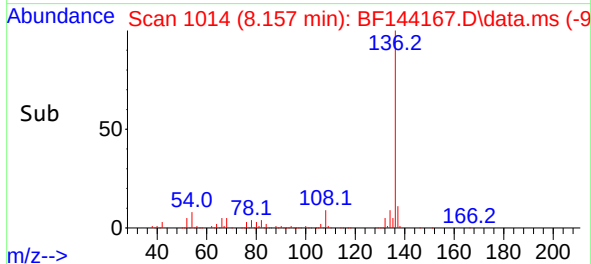
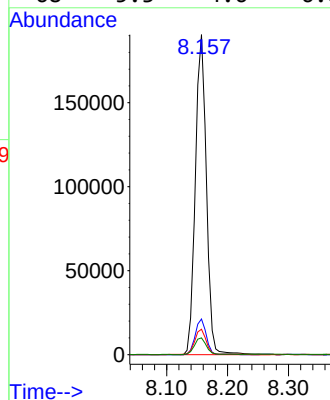
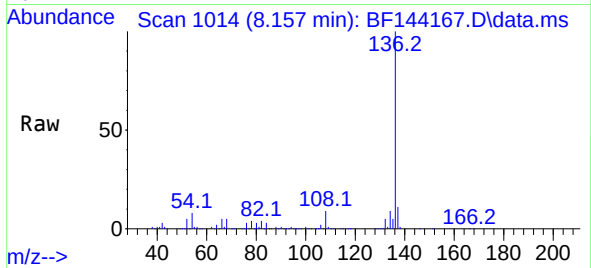


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Instrument :
BNA_F
ClientSampleId :
HD-01-103125

Tgt Ion:136 Resp: 240273

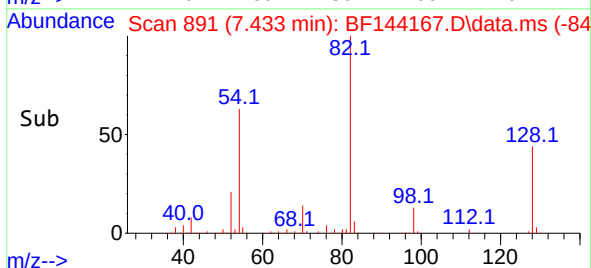
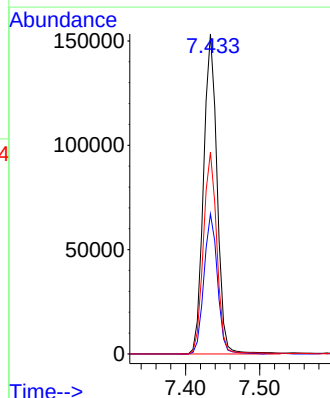
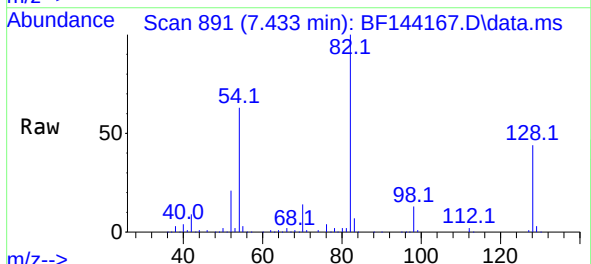
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	8.0	6.6	9.8
68	5.3	4.6	6.8

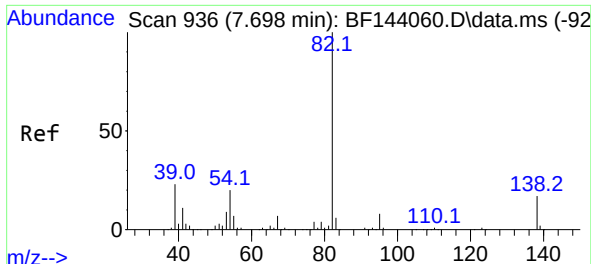


#23
Nitrobenzene-d5
Concen: 44.490 ng
RT: 7.433 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

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

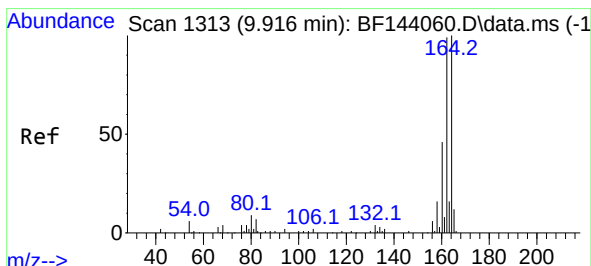
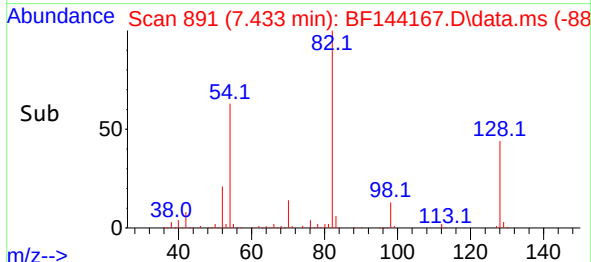
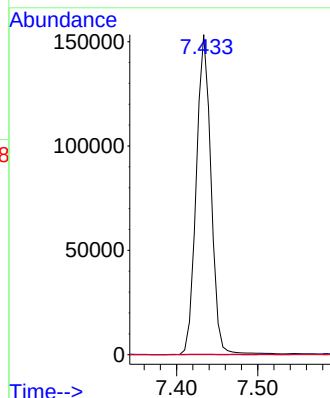
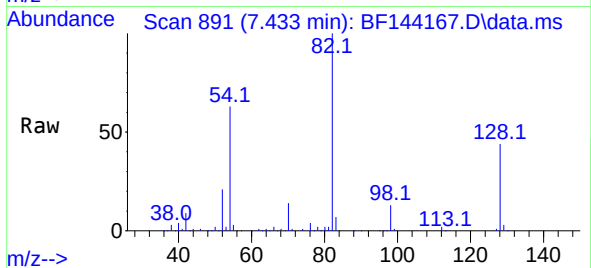




#25
Isophorone
Concen: 25.263 ng
RT: 7.433 min Scan# 891
Delta R.T. -0.265 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

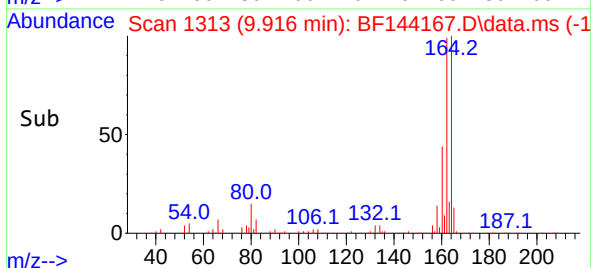
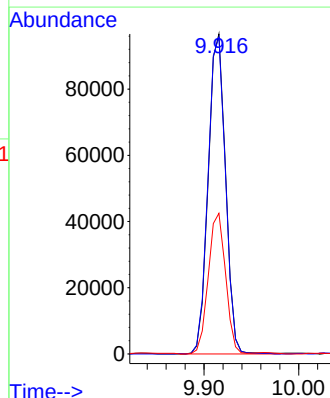
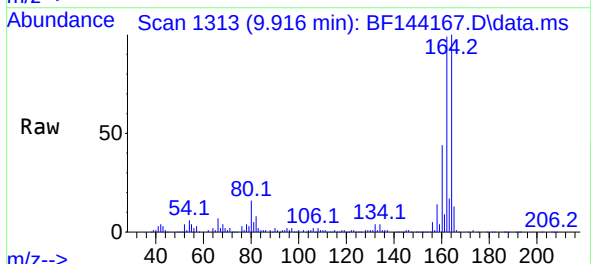
Instrument :
BNA_F
ClientSampleId :
HD-01-103125

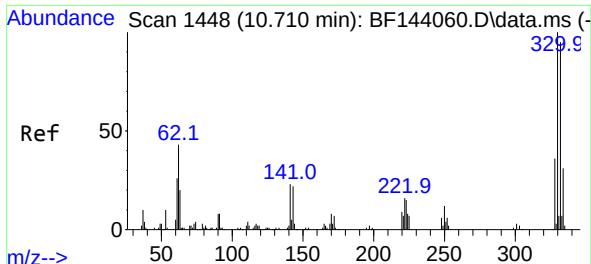
Tgt Ion: 82 Resp: 193701
Ion Ratio Lower Upper
82 100
95 0.1 6.6 9.8#
138 0.0 13.8 20.8#



#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

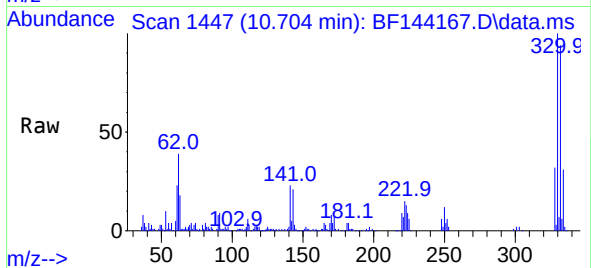
Tgt Ion:164 Resp: 122397
Ion Ratio Lower Upper
164 100
162 99.0 79.4 119.2
160 43.9 36.7 55.1



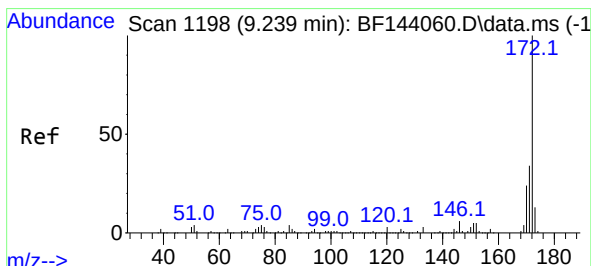
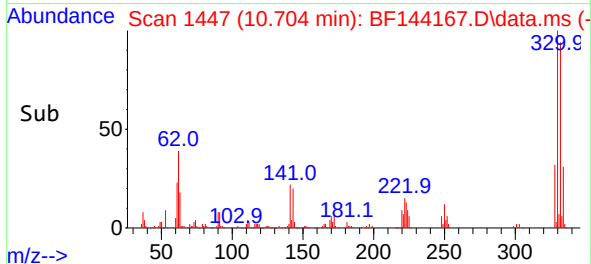
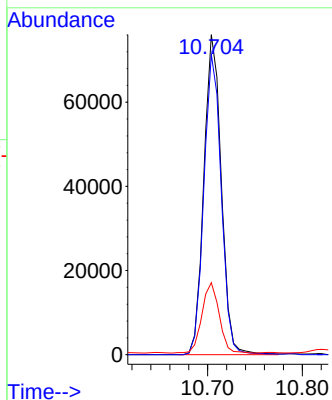


#42
2,4,6-Tribromophenol
Concen: 62.199 ng
RT: 10.704 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Instrument :
BNA_F
ClientSampleId :
HD-01-103125

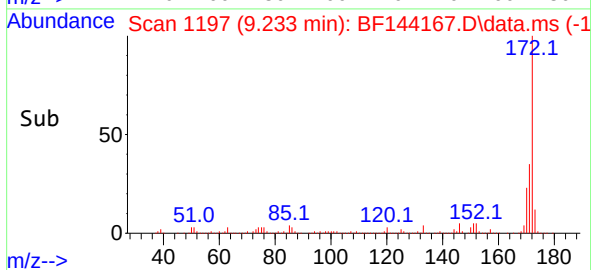
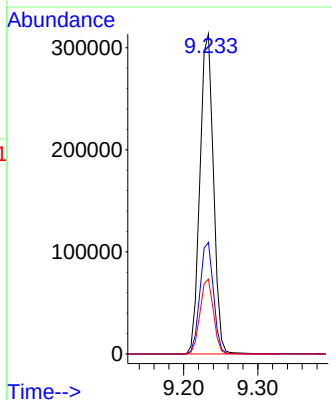
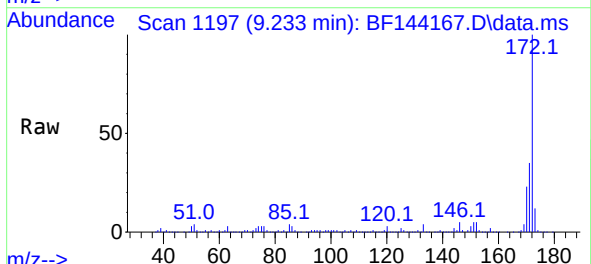


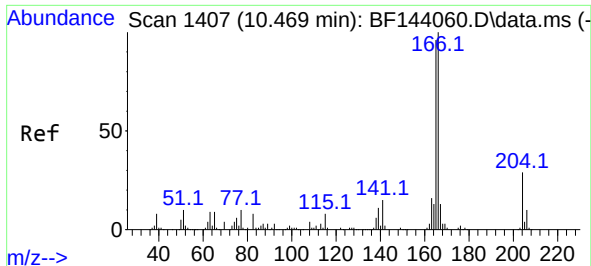
Tgt Ion:330 Resp: 96974
Ion Ratio Lower Upper
330 100
332 93.6 77.0 115.6
141 21.8 19.4 29.0



#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

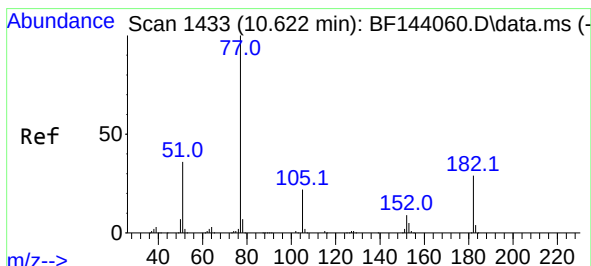
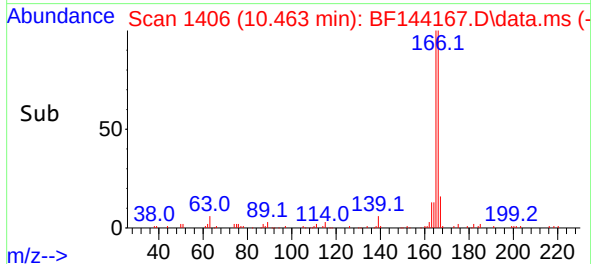
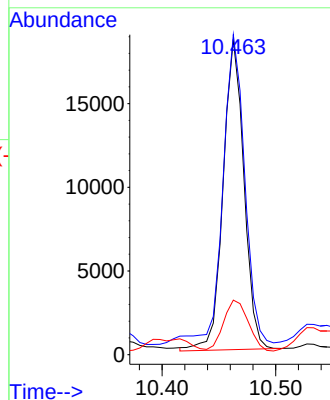
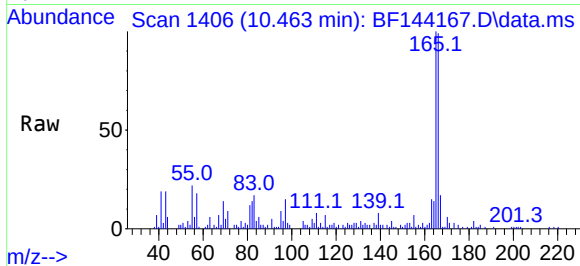




#58
Fluorene
Concen: 3.374 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

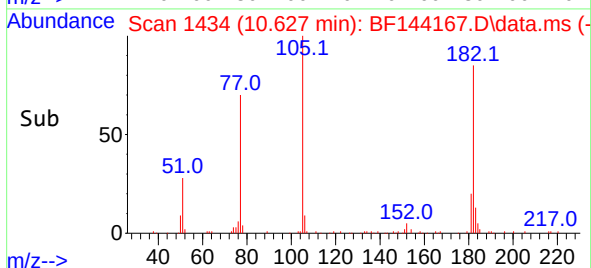
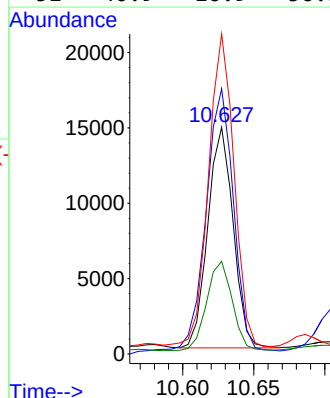
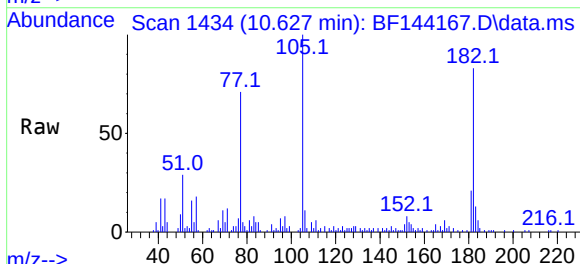
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ClientSampleId :
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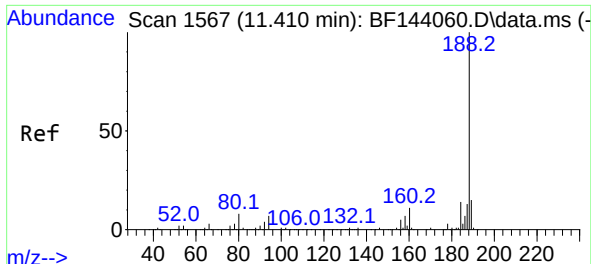
Tgt Ion:166 Resp: 23588
Ion Ratio Lower Upper
166 100
165 101.5 77.0 115.4
167 17.3 10.2 15.4#



#63
Azobenzene
Concen: 2.549 ng
RT: 10.627 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Tgt Ion: 77 Resp: 18201
Ion Ratio Lower Upper
77 100
182 117.1 9.0 49.0#
105 141.2 1.4 41.4#
51 40.9 16.9 56.9

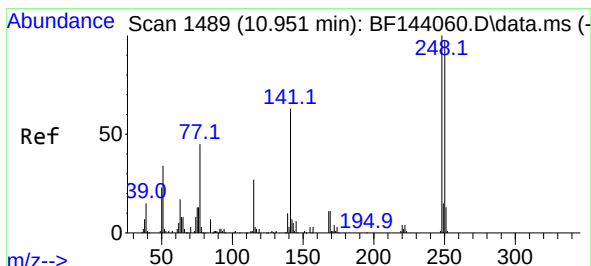
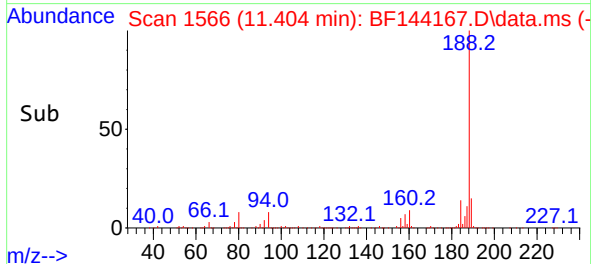
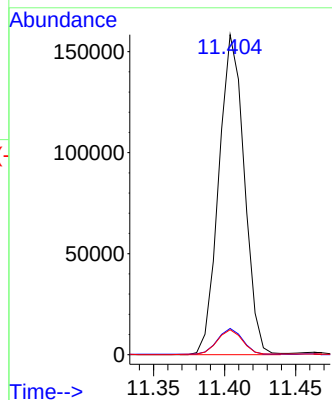
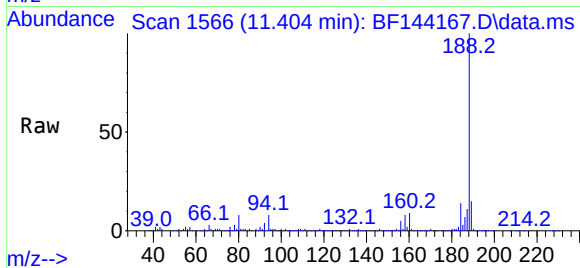




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

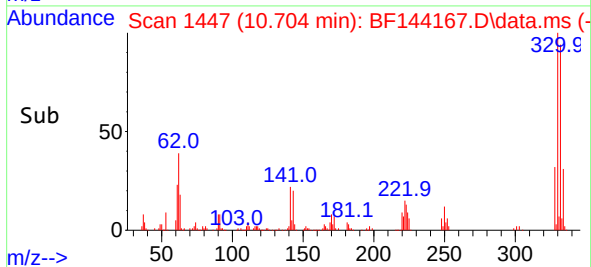
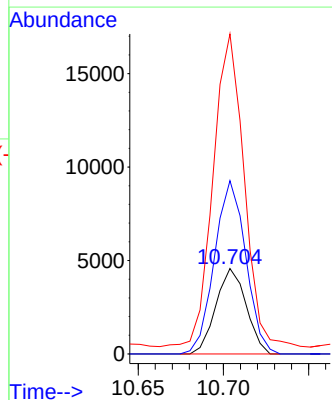
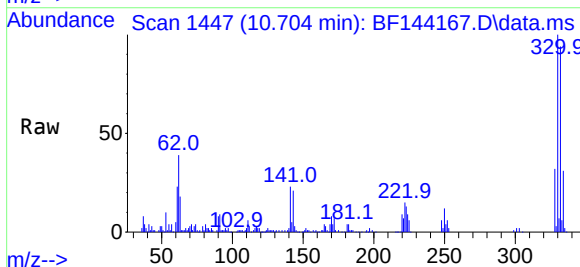
Instrument :
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HD-01-103125

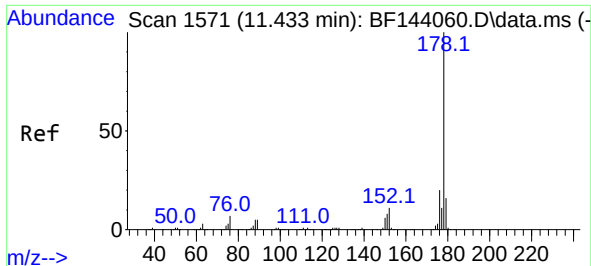
Tgt Ion:188 Resp: 197509
Ion Ratio Lower Upper
188 100
94 8.2 5.4 8.0#
80 7.8 6.0 9.0



#67
4-Bromophenyl-phenylether
Concen: 2.282 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.247 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Tgt Ion:248 Resp: 5643
Ion Ratio Lower Upper
248 100
250 202.9 77.8 116.6#
141 374.7 50.5 75.7#

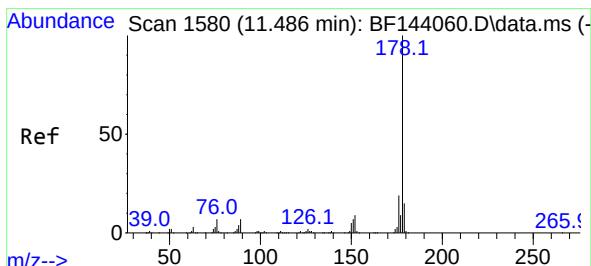
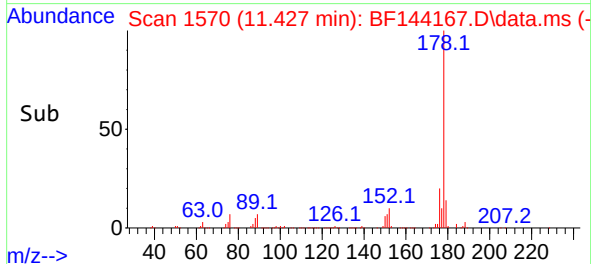
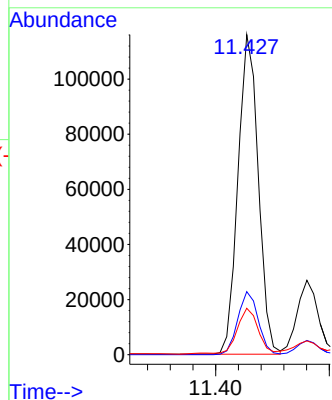
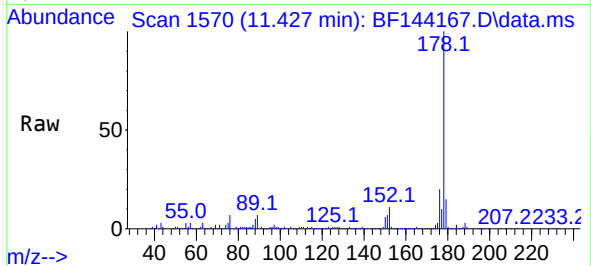




#71
Phenanthrene
Concen: 14.665 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

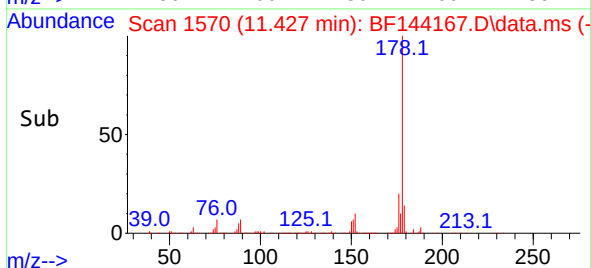
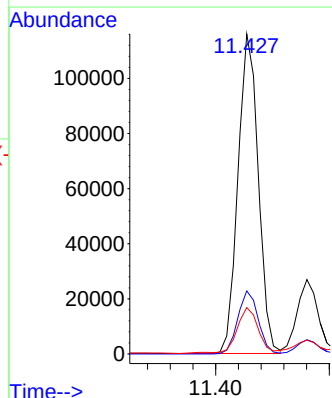
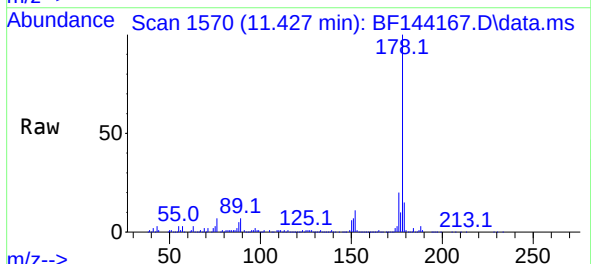
Instrument :
BNA_F
ClientSampleId :
HD-01-103125

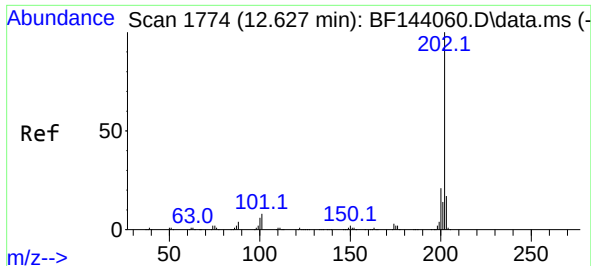
Tgt Ion:178 Resp: 143879
Ion Ratio Lower Upper
178 100
176 19.7 16.3 24.5
179 14.5 12.6 18.8



#72
Anthracene
Concen: 14.196 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.059 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Tgt Ion:178 Resp: 143879
Ion Ratio Lower Upper
178 100
176 19.7 15.0 22.4
179 14.5 11.8 17.6



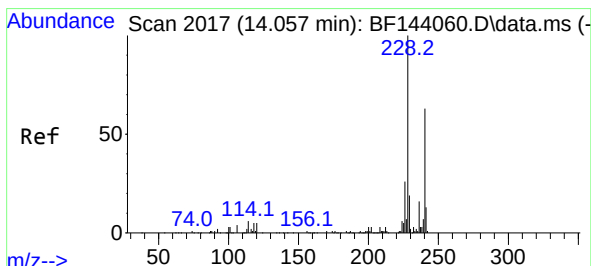
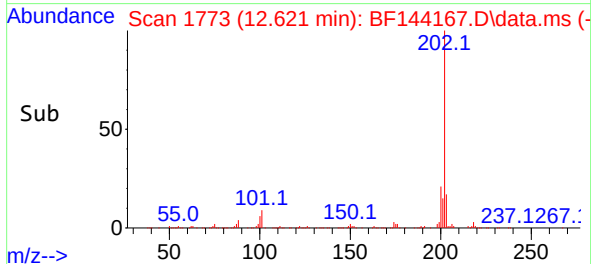
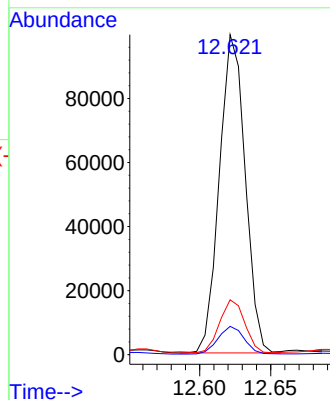
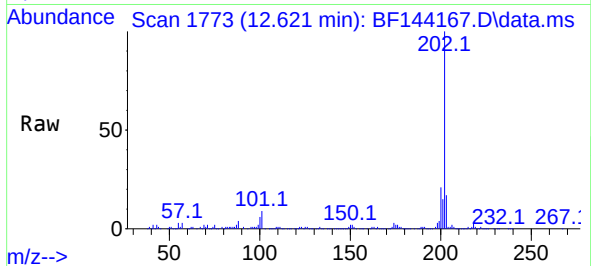


#75
Fluoranthene
Concen: 11.590 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Instrument : BNA_F
ClientSampleId : HD-01-103125

Tgt Ion:202 Resp: 125637

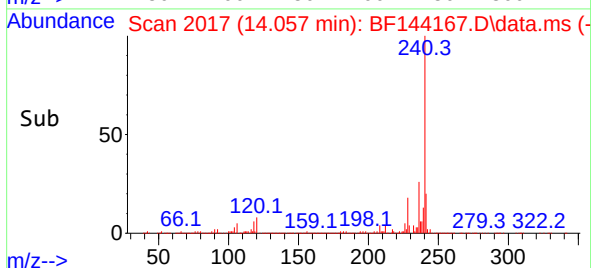
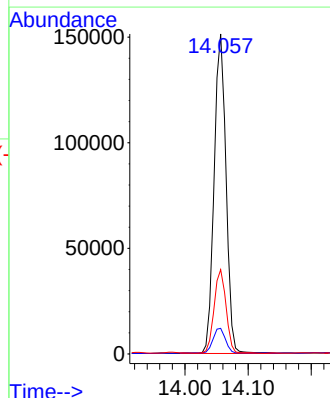
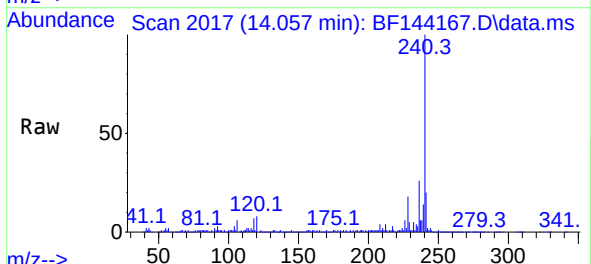
Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	27.7
203	17.2	0.0	37.3

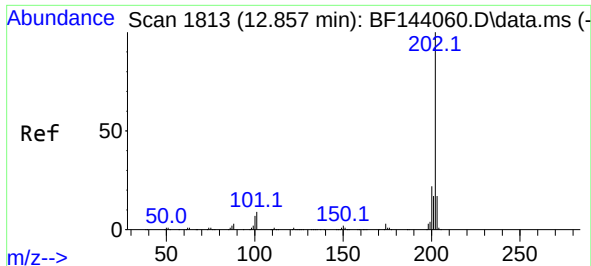


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Tgt Ion:240 Resp: 197733

Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.5	9.7
236	26.4	20.1	30.1

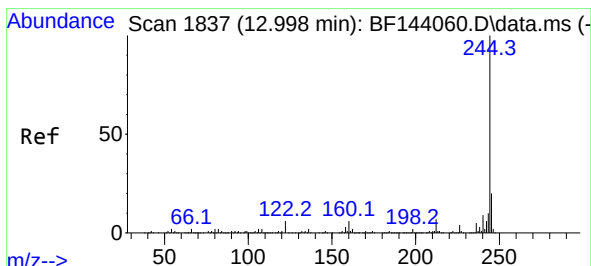
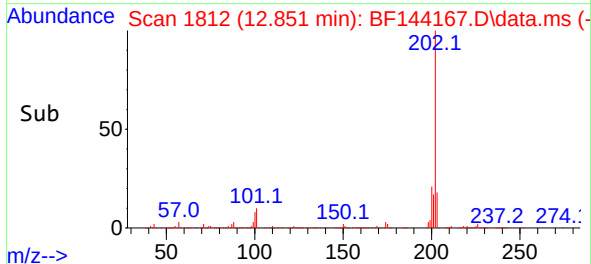
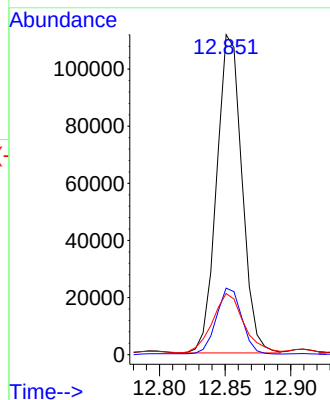
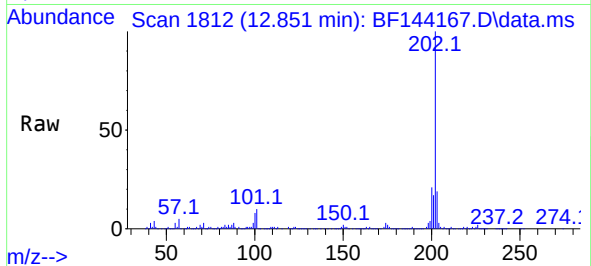




#78
Pyrene
Concen: 10.513 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

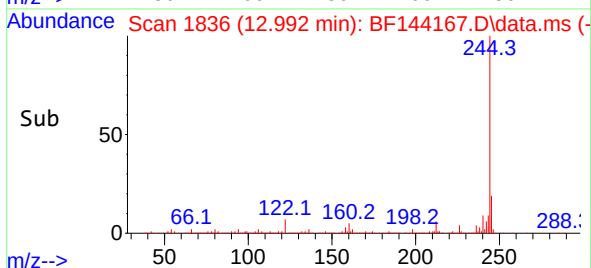
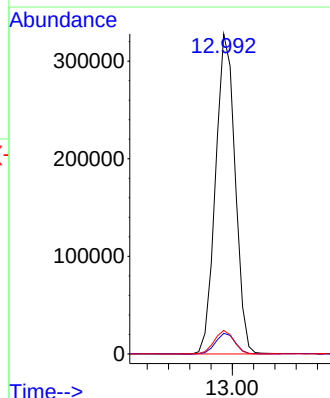
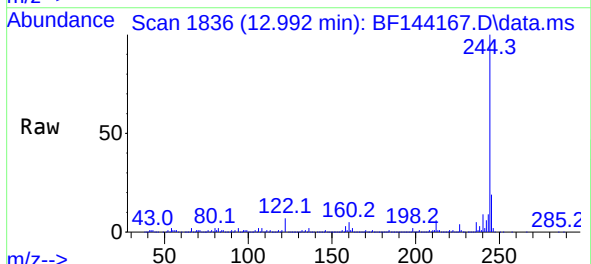
Instrument :
BNA_F
ClientSampleId :
HD-01-103125

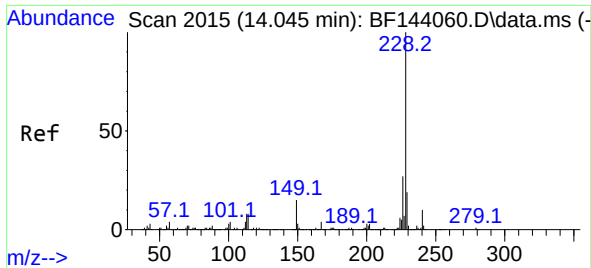
Tgt Ion:202 Resp: 149443
Ion Ratio Lower Upper
202 100
200 20.8 17.2 25.8
203 19.1 13.5 20.3



#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#



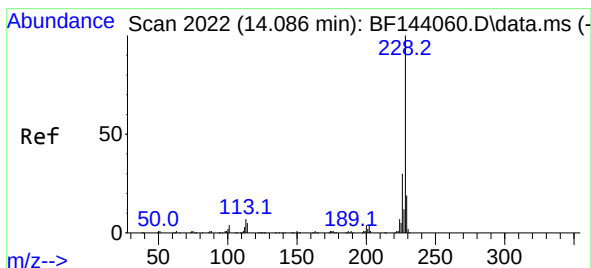
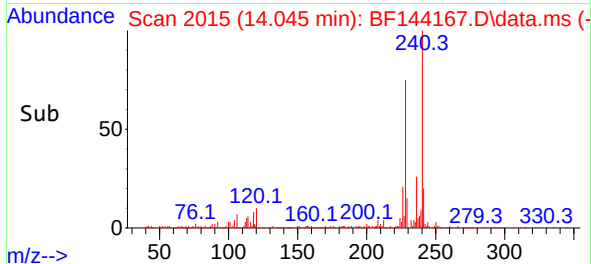
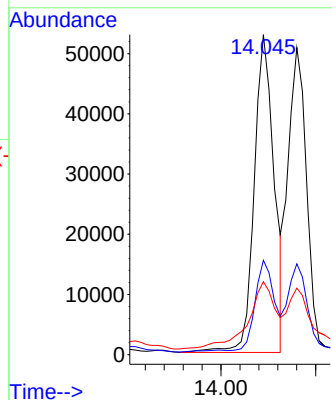
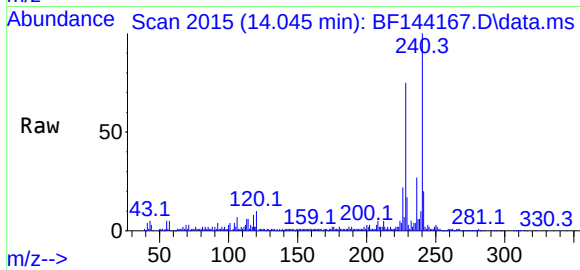


#81
Benzo(a)anthracene
Concen: 5.787 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Instrument :
BNA_F
ClientSampleId :
HD-01-103125

Tgt Ion:228 Resp: 77329

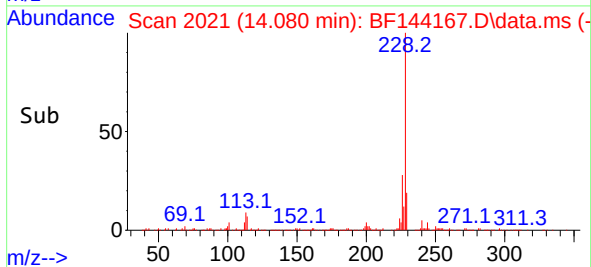
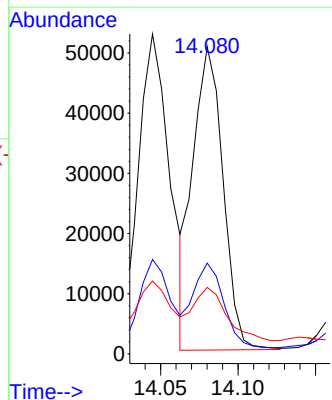
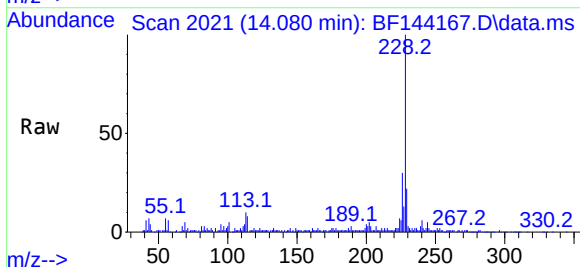
Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.4	32.2
229	22.8	15.3	22.9

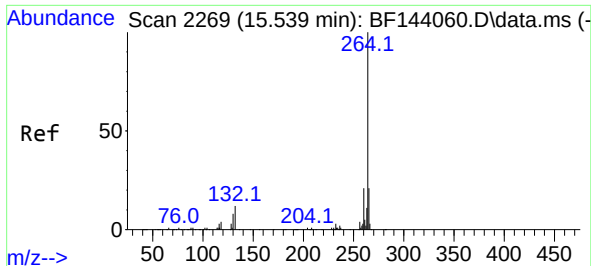


#83
Chrysene
Concen: 5.413 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

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

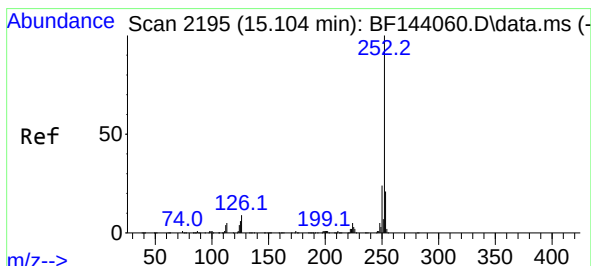
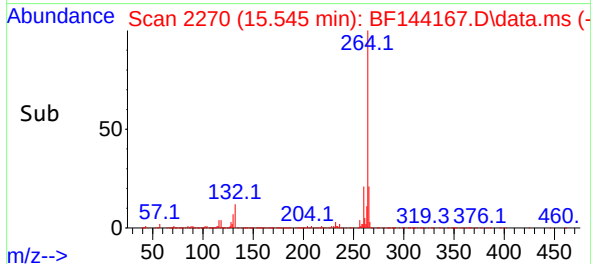
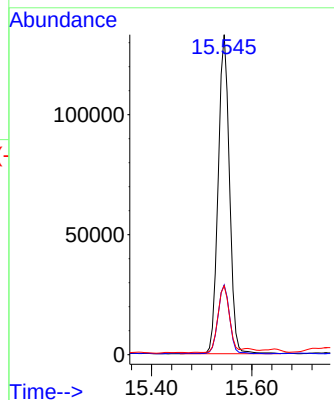
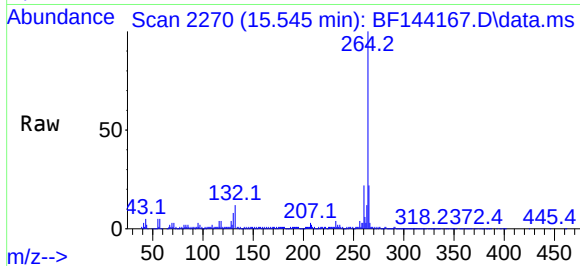




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

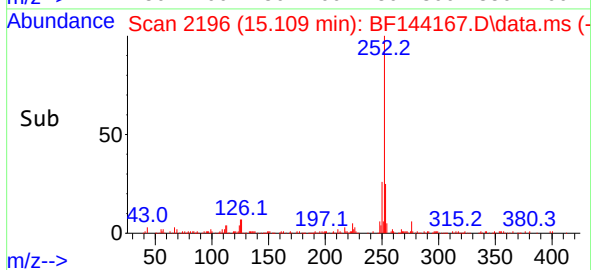
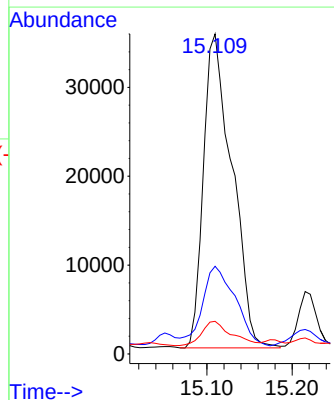
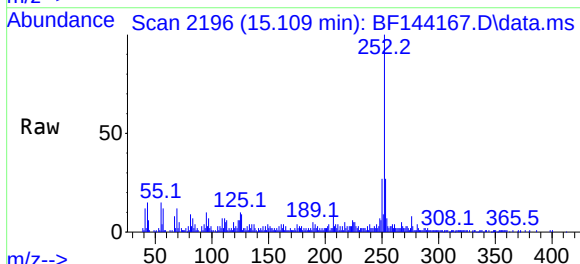
Instrument :
BNA_F
ClientSampleId :
HD-01-103125

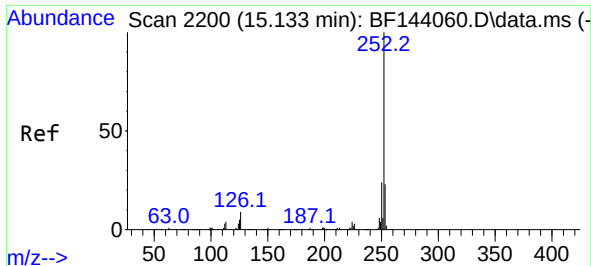
Tgt Ion:264 Resp: 207478
Ion Ratio Lower Upper
264 100
260 21.8 17.0 25.4
265 21.5 16.6 24.8



#88
Benzo(b)fluoranthene
Concen: 7.019 ng
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: 82326
Ion Ratio Lower Upper
252 100
253 27.4 17.2 25.8#
125 10.2 5.0 7.6#

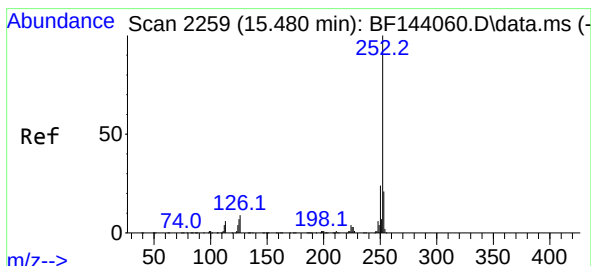
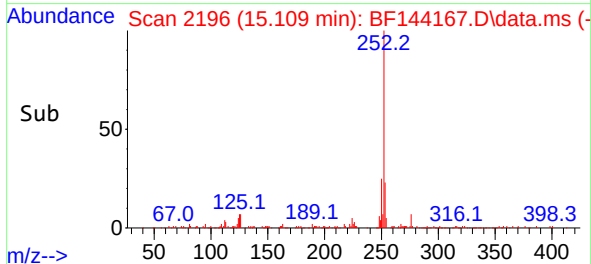
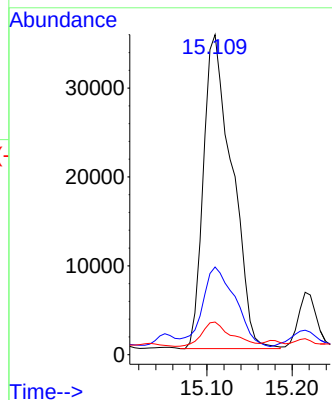
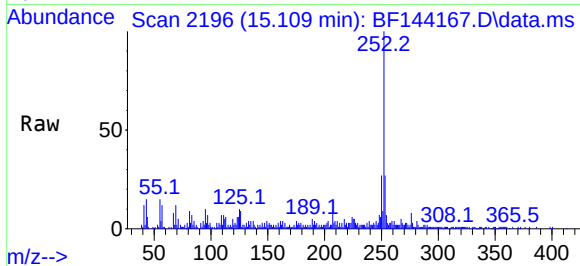




#89
Benzo(k)fluoranthene
Concen: 7.607 ng
RT: 15.109 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

Instrument :
BNA_F
ClientSampleId :
HD-01-103125

Tgt Ion:252 Resp: 82326
Ion Ratio Lower Upper
252 100
253 27.4 17.4 26.2#
125 10.2 4.9 7.3#



#90
Benzo(a)pyrene
Concen: 4.609 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.000 min
Lab File: BF144167.D
Acq: 03 Nov 2025 18:26

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#

