

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
 Data File : BF144404.D
 Acq On : 02 Dec 2025 15:50
 Operator : RC/JU
 Sample : Q3742-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-20

Quant Time: Dec 02 16:13:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

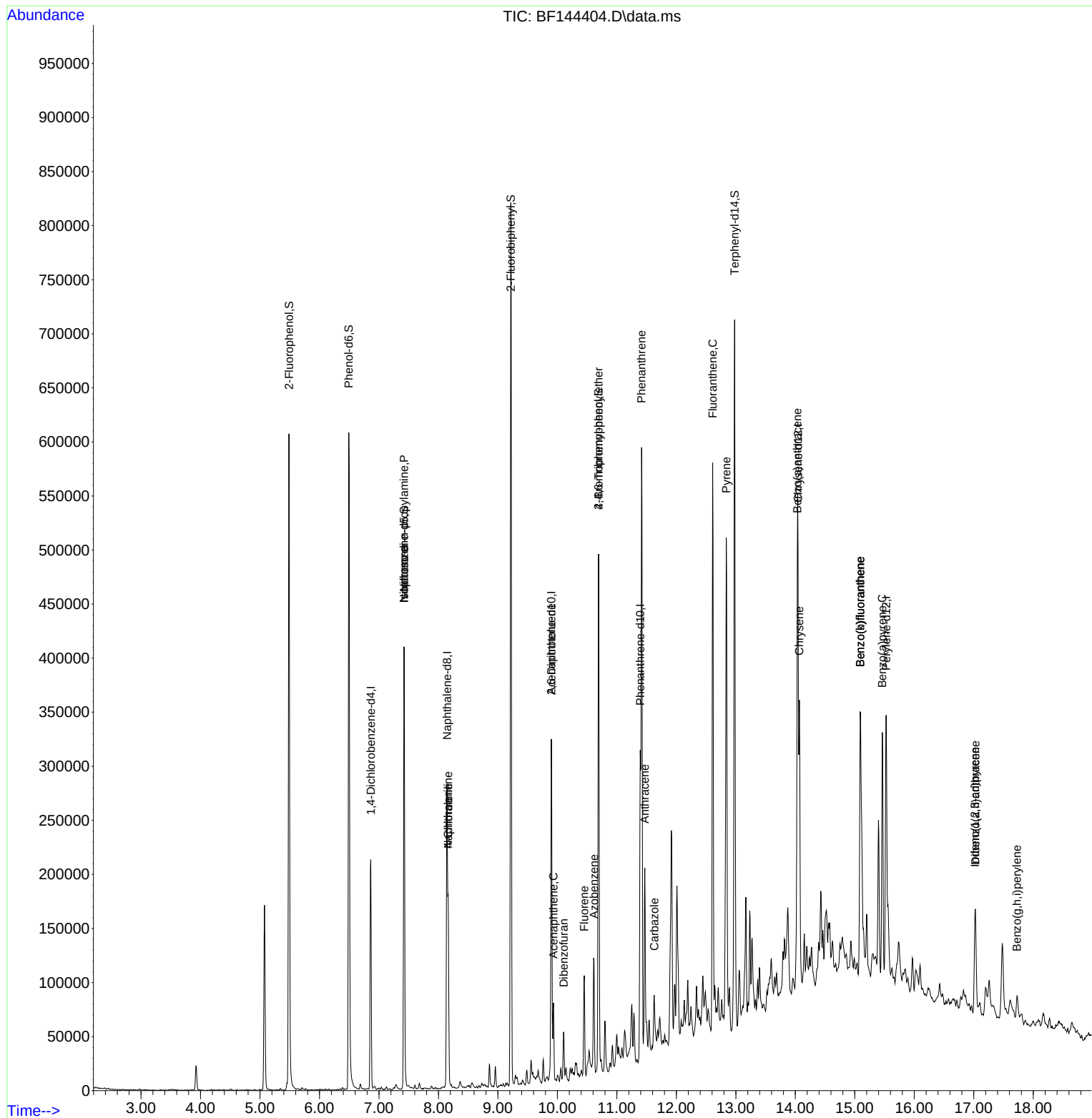
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	47751	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	182737	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	97535	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	153495	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	114317	20.000	ng	0.00
86) Perylene-d12	15.527	264	155142	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	246954	80.931	ng	0.00
7) Phenol-d6	6.493	99	288498	83.441	ng	0.00
23) Nitrobenzene-d5	7.422	82	174131	55.035	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	93376	76.291	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	385664	58.400	ng	-0.01
79) Terphenyl-d14	12.980	244	348216	48.384	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	25113	11.033	ng	# 75
25) Isophorone	7.422	82	174130	29.096	ng	# 66
31) Naphthalene	8.163	128	103608	11.919	ng	99
33) 4-Chloroaniline	8.163	127	12752	4.022	ng	# 32
51) 2,6-Dinitrotoluene	9.898	165	13403	10.247	ng	# 27
52) Acenaphthene	9.934	154	21533	4.069	ng	96
55) Dibenzofuran	10.104	168	21704	2.928	ng	# 93
58) Fluorene	10.451	166	37230	6.606	ng	97
63) Azobenzene	10.616	77	23124	4.171	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	4977	2.540	ng	# 1
71) Phenanthrene	11.416	178	315099	41.231	ng	99
72) Anthracene	11.469	178	100044	12.874	ng	99
73) Carbazole	11.628	167	22244	3.366	ng	95
75) Fluoranthene	12.610	202	306330	38.803	ng	99
78) Pyrene	12.839	202	285901	31.018	ng	98
81) Benzo(a)anthracene	14.033	228	173681	21.921	ng	97
83) Chrysene	14.069	228	143298	19.592	ng	95
87) Indeno(1,2,3-cd)pyrene	17.021	276	68307	6.133	ng	96
88) Benzo(b)fluoranthene	15.092	252	247136	28.020	ng	# 97
89) Benzo(k)fluoranthene	15.092	252	247136	29.935	ng	# 98
90) Benzo(a)pyrene	15.463	252	148738	18.279	ng	# 95
91) Dibenzo(a,h)anthracene	17.027	278	18927	2.116	ng	# 86
92) Benzo(g,h,i)perylene	17.727	276	18859	2.135	ng	94

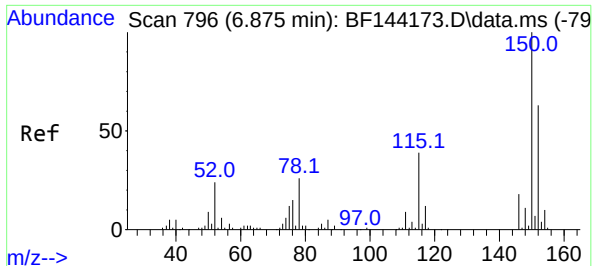
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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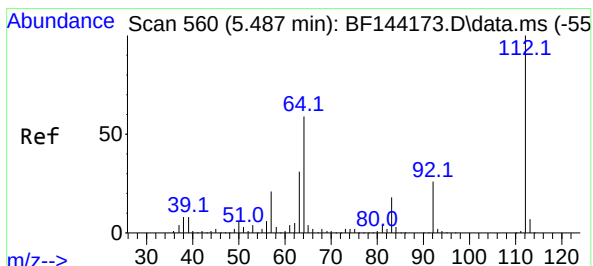
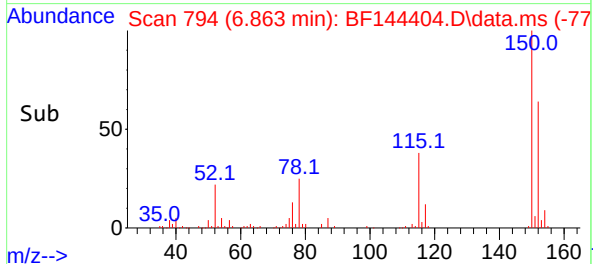
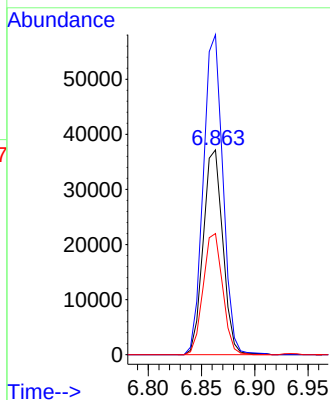
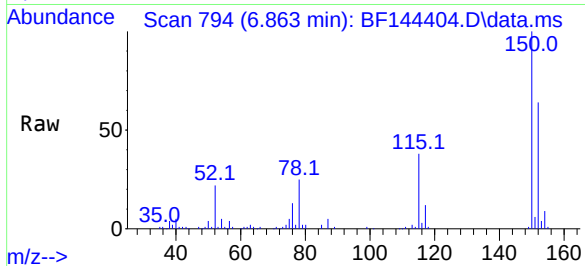




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

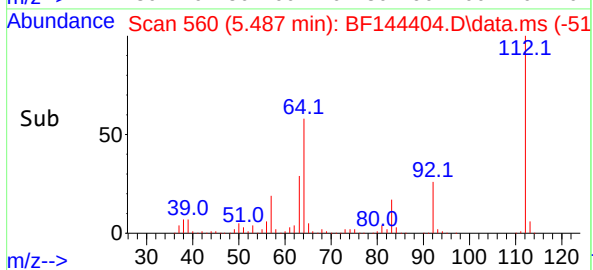
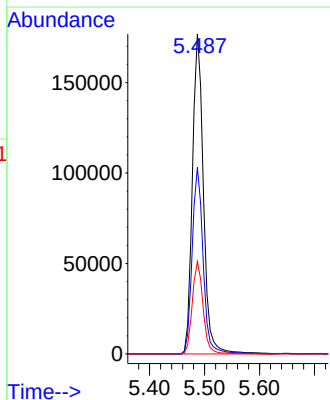
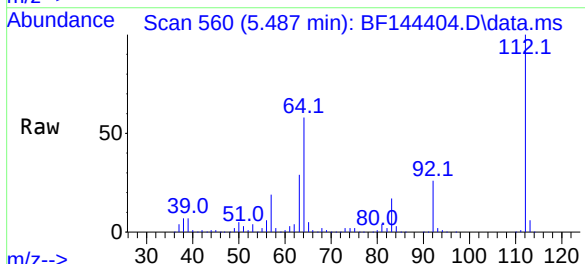
Instrument :
BNA_F
ClientSampleId :
SB-1125-20

Tgt Ion:152 Resp: 47751
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.0
115 59.2 49.5 74.3

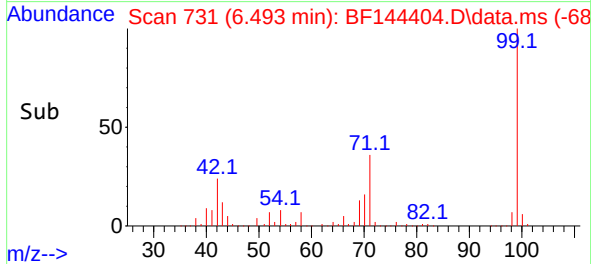
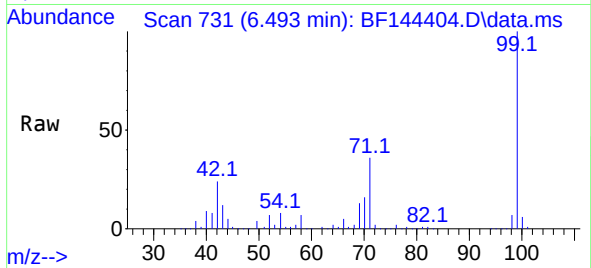
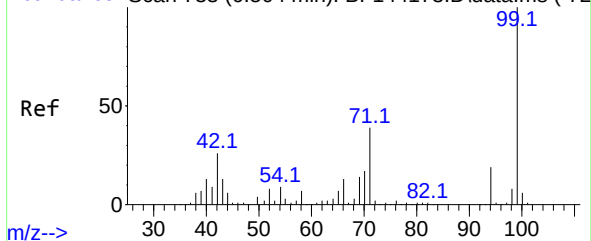


#5
2-Fluorophenol
Concen: 80.931 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Tgt Ion:112 Resp: 246954
Ion Ratio Lower Upper
112 100
64 58.3 47.2 70.8
63 28.9 24.4 36.6



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 83.441 ng

RT: 6.493 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144404.D

Acq: 02 Dec 2025 15:50

Instrument :

BNA_F

ClientSampleId :

SB-1125-20

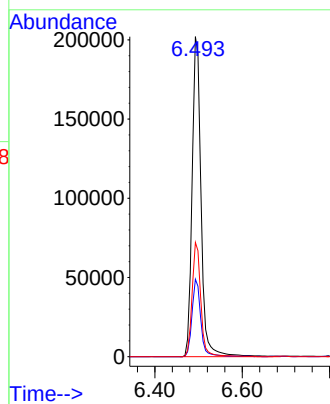
Tgt Ion: 99 Resp: 288498

Ion Ratio Lower Upper

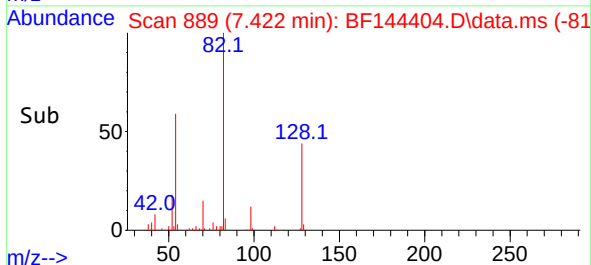
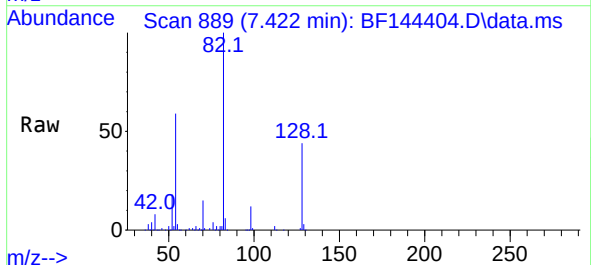
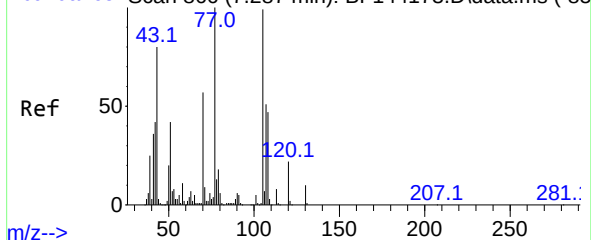
99 100

42 24.2 20.9 31.3

71 35.7 31.4 47.2



Abundance Scan 866 (7.287 min): BF144173.D\data.ms (-85



#19

n-Nitroso-di-n-propylamine

Concen: 11.033 ng

RT: 7.422 min Scan# 889

Delta R.T. 0.147 min

Lab File: BF144404.D

Acq: 02 Dec 2025 15:50

Tgt Ion: 70 Resp: 25113

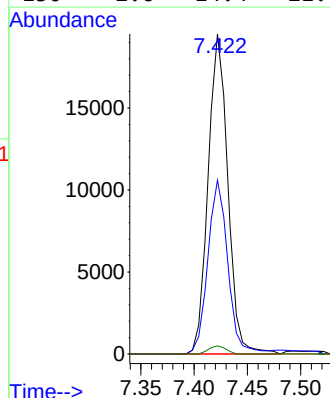
Ion Ratio Lower Upper

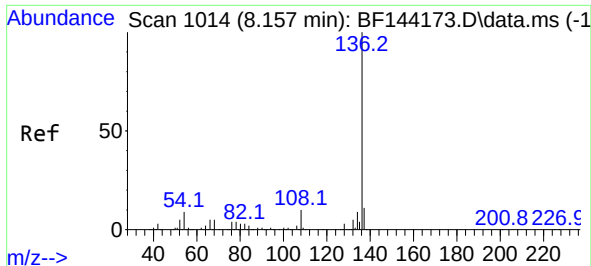
70 100

42 54.3 58.3 87.5#

101 0.0 7.0 10.6#

130 2.6 14.4 21.6#



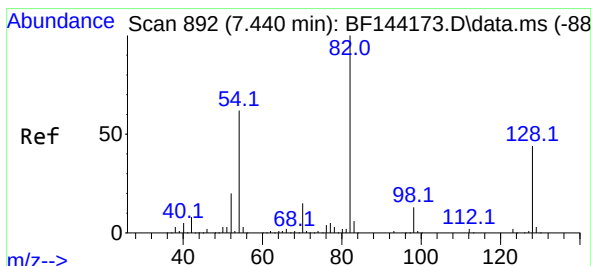
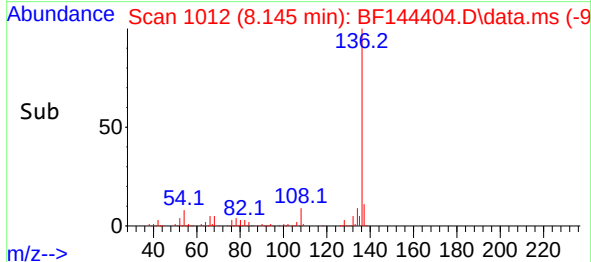
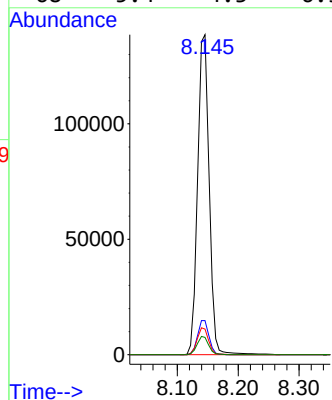
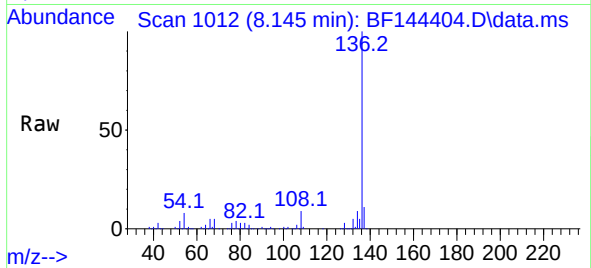


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SB-1125-20

Tgt Ion:136 Resp: 182737

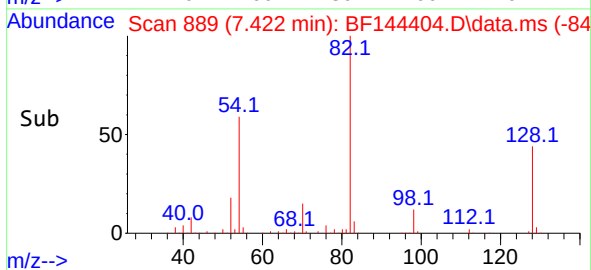
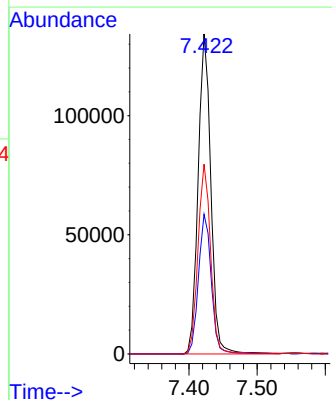
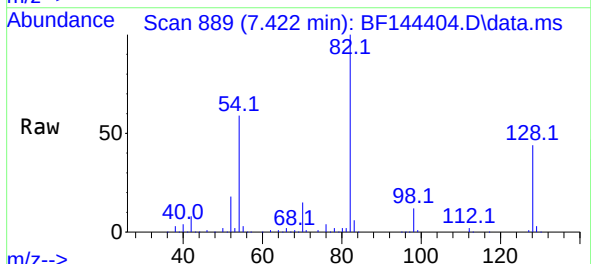
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.0	7.0	10.6
68	5.4	4.3	6.5

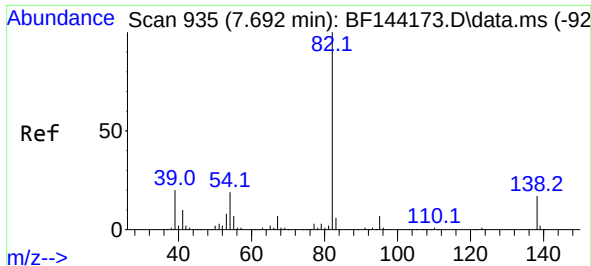


#23
Nitrobenzene-d5
Concen: 55.035 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Tgt Ion: 82 Resp: 174131

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.7	52.1
54	59.3	49.5	74.3

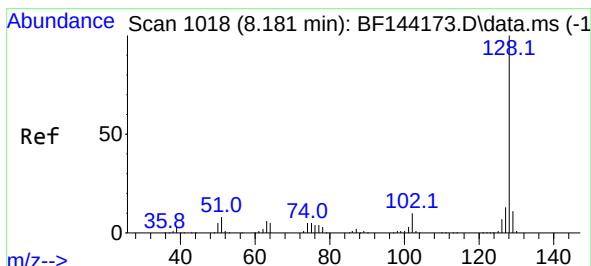
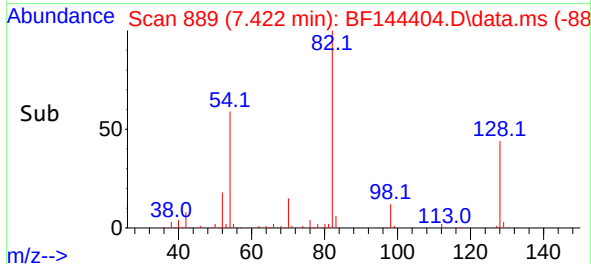
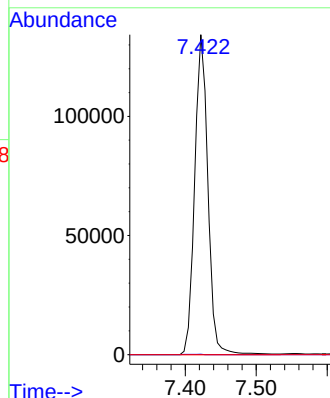
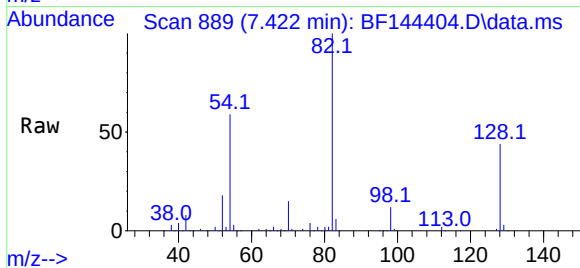




#25
Isophorone
Concen: 29.096 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

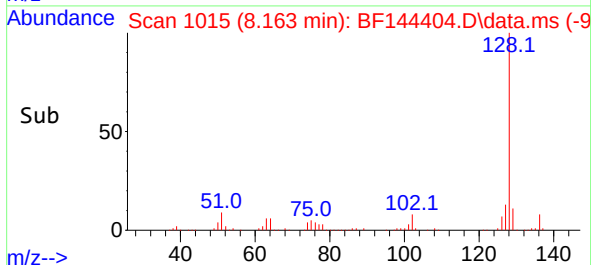
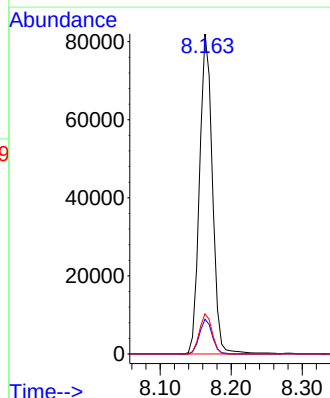
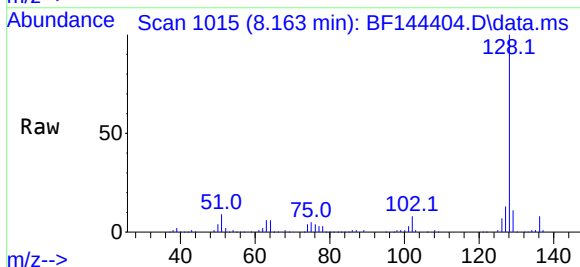
Instrument :
BNA_F
ClientSampleId :
SB-1125-20

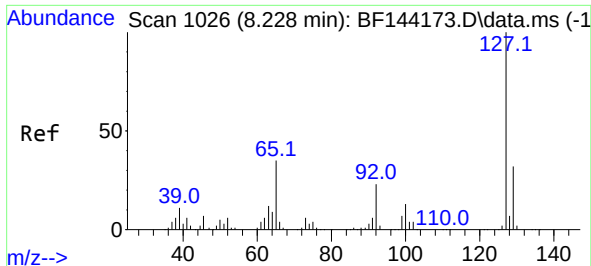
Tgt Ion: 82 Resp: 174130
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.7 20.5#



#31
Naphthalene
Concen: 11.919 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Tgt Ion: 128 Resp: 103608
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 12.6 10.3 15.5

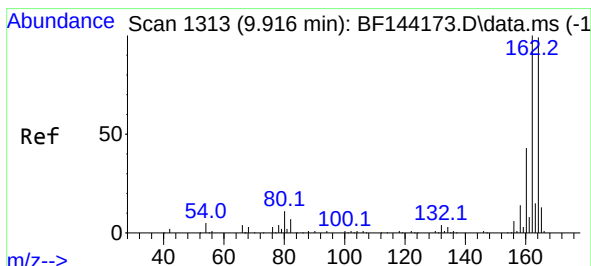
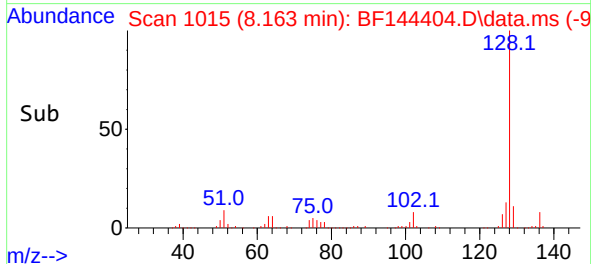
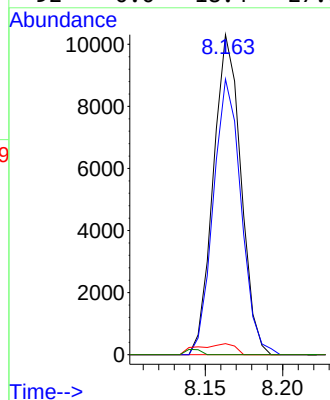
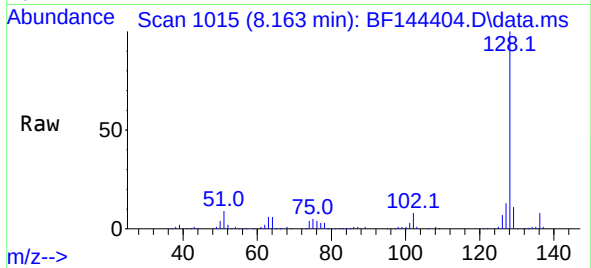




#33
4-Chloroaniline
Concen: 4.022 ng
RT: 8.163 min Scan# 11
Delta R.T. -0.065 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

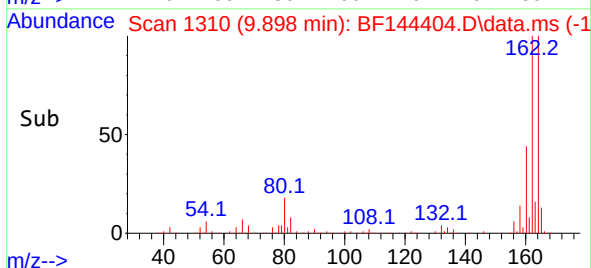
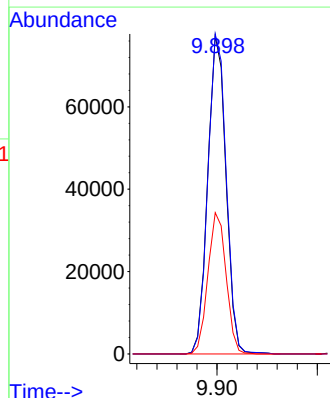
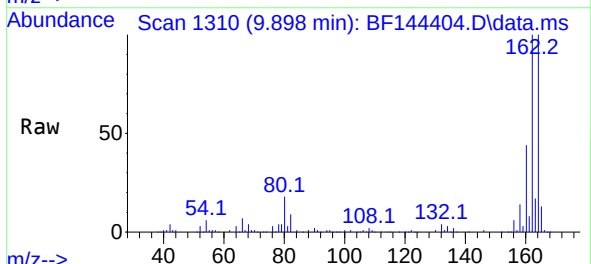
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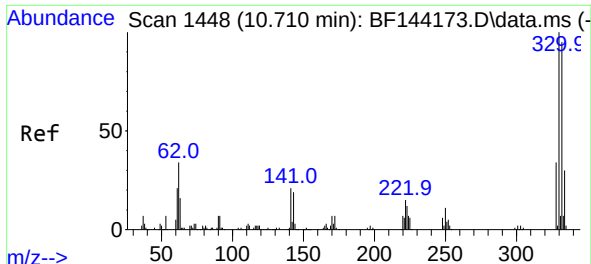
Tgt Ion:127	Resp:	12752
Ion	Ratio	Lower Upper
127	100	
129	86.1	25.3 37.9#
65	3.5	27.6 41.4#
92	0.0	18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

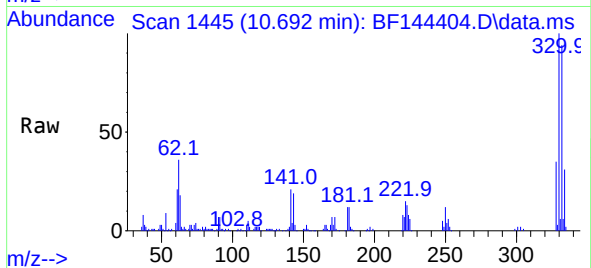
Tgt Ion:164	Resp:	97535
Ion	Ratio	Lower Upper
164	100	
162	100.5	81.1 121.7
160	44.4	34.5 51.7



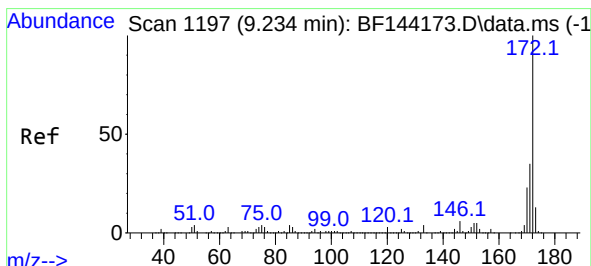
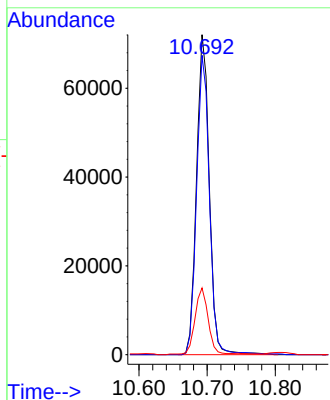
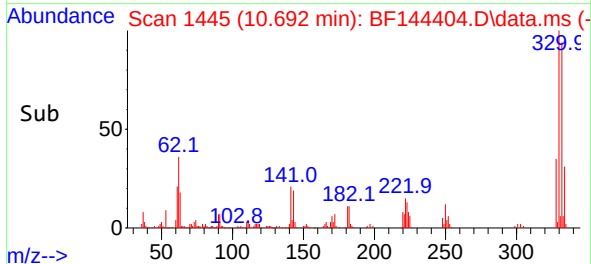


#42
2,4,6-Tribromophenol
Concen: 76.291 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

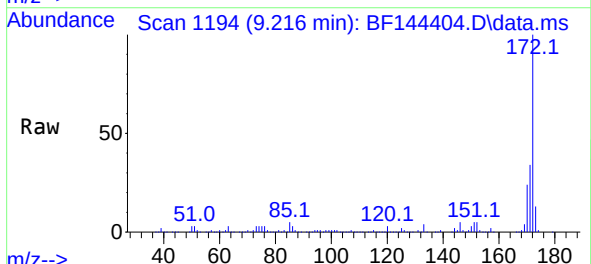
Instrument :
BNA_F
ClientSampleId :
SB-1125-20



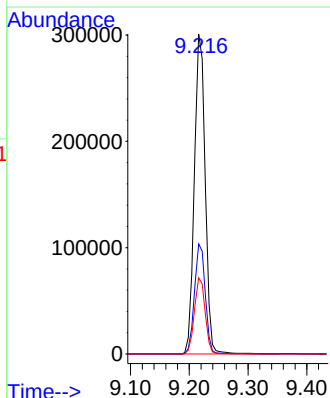
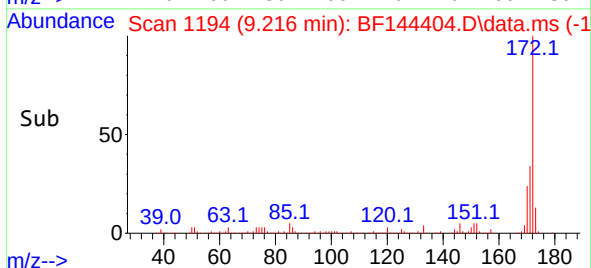
Tgt Ion:330 Resp: 93376
Ion Ratio Lower Upper
330 100
332 94.3 76.7 115.1
141 21.7 17.8 26.8

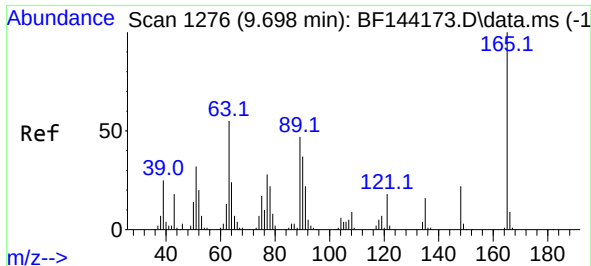


#45
2-Fluorobiphenyl
Concen: 58.400 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50



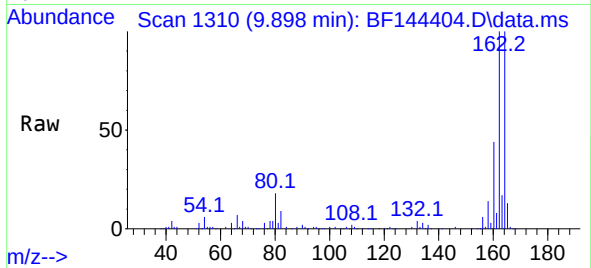
Tgt Ion:172 Resp: 385664
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.8 18.6 28.0



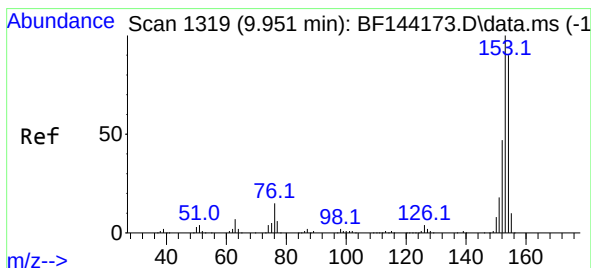
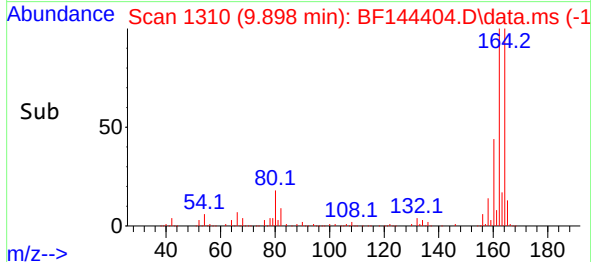
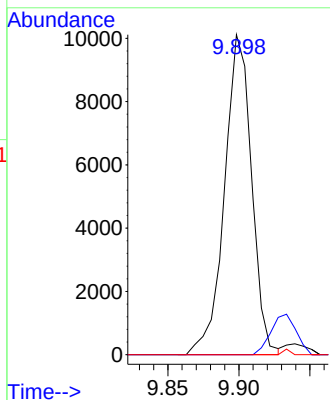


#51
2,6-Dinitrotoluene
Concen: 10.247 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SB-1125-20

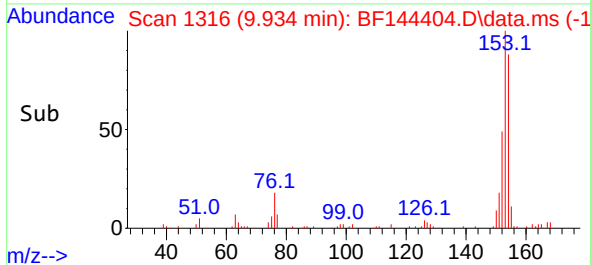
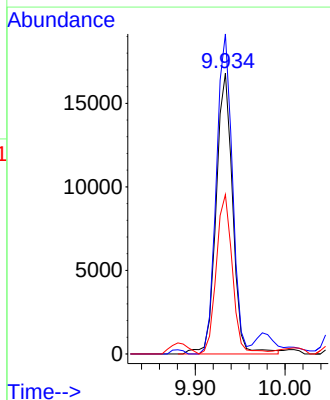
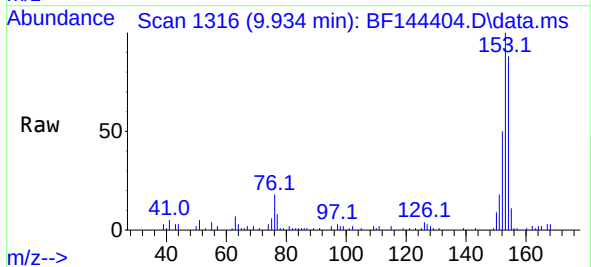


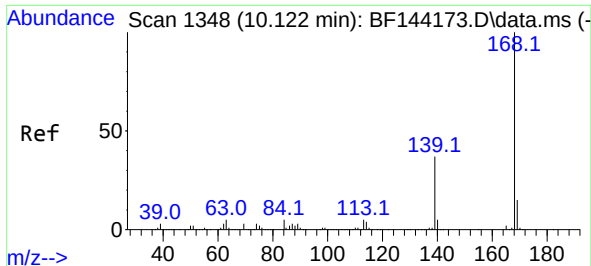
Tgt Ion:165 Resp: 13403
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#52
Acenaphthene
Concen: 4.069 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Tgt Ion:154 Resp: 21533
Ion Ratio Lower Upper
154 100
153 113.9 89.0 133.4
152 56.7 42.2 63.4

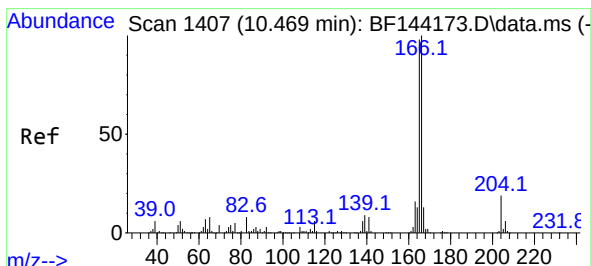
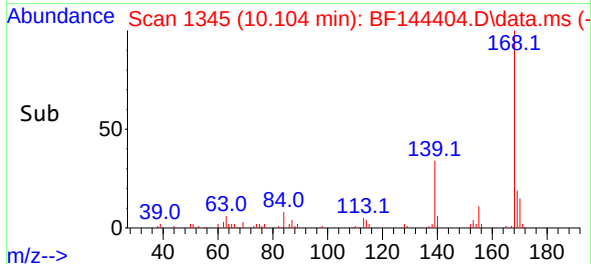
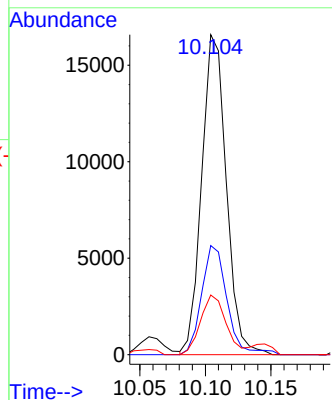
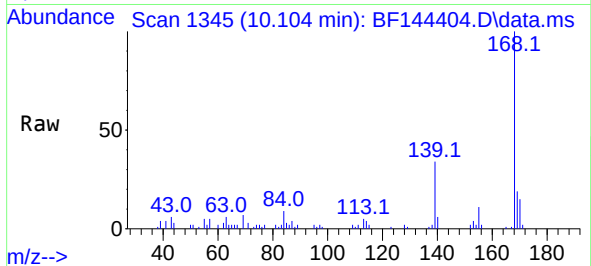




#55
Dibenzenofuran
Concen: 2.928 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

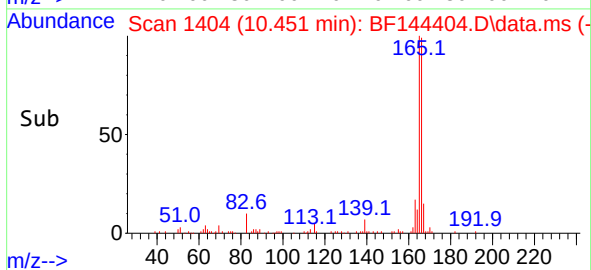
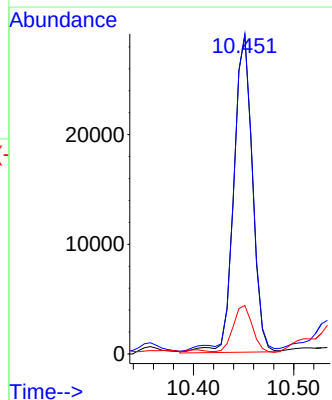
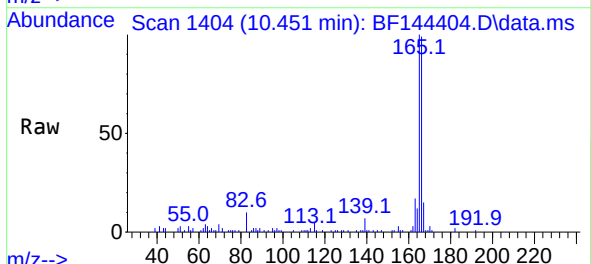
Instrument :
BNA_F
ClientSampleId :
SB-1125-20

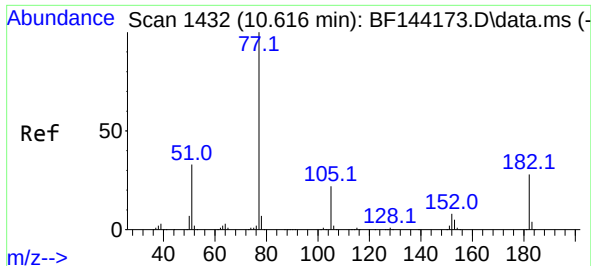
Tgt Ion:168 Resp: 21704
Ion Ratio Lower Upper
168 100
139 34.1 30.2 45.2
169 18.7 12.2 18.4#



#58
Fluorene
Concen: 6.606 ng
RT: 10.451 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Tgt Ion:166 Resp: 37230
Ion Ratio Lower Upper
166 100
165 100.6 78.6 118.0
167 15.2 10.4 15.6

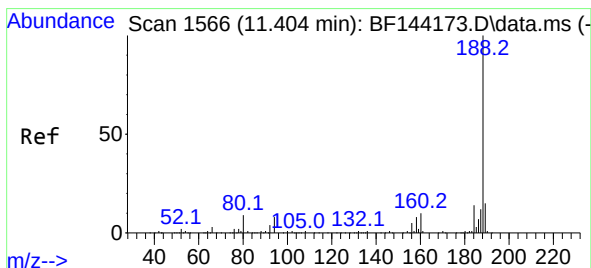
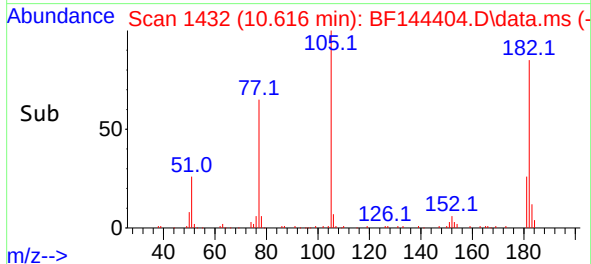
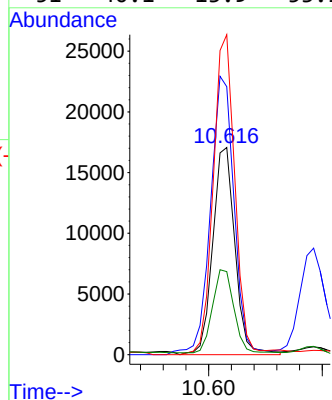
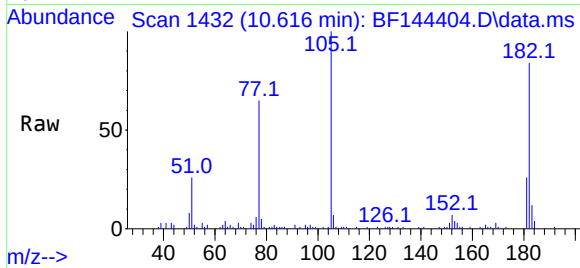




#63
Azobenzene
Concen: 4.171 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

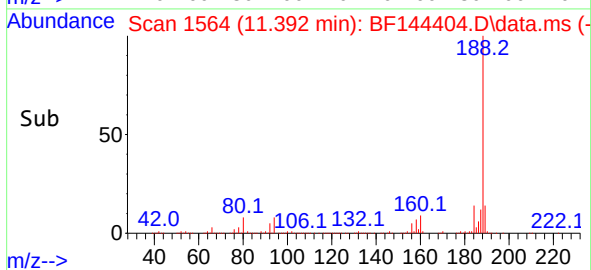
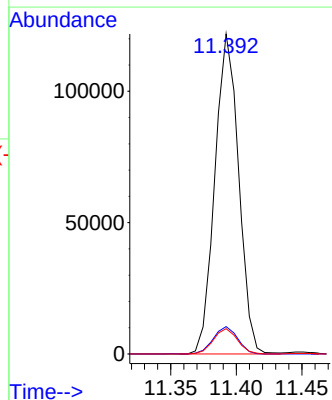
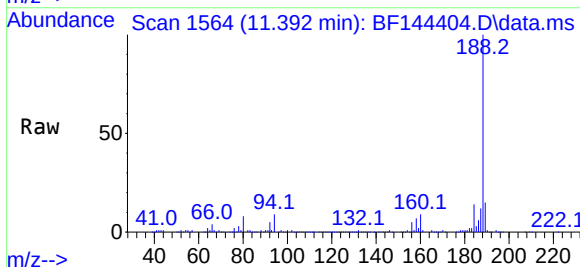
Instrument :
BNA_F
ClientSampleId :
SB-1125-20

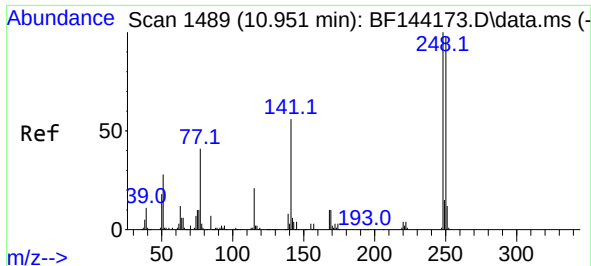
Tgt Ion: 77	Resp: 23124
Ion Ratio	Lower Upper
77 100	
182 129.3	8.1 48.1#
105 154.5	2.0 42.0#
51 40.1	13.9 53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Tgt Ion:188	Resp: 153495
Ion Ratio	Lower Upper
188 100	
94 8.6	6.2 9.2
80 7.9	6.9 10.3

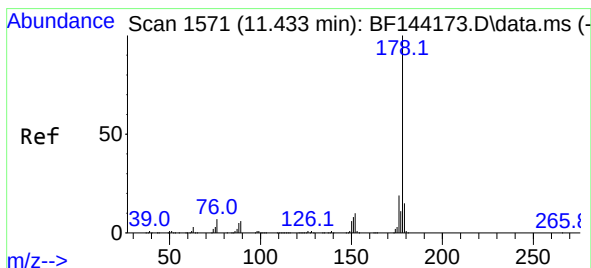
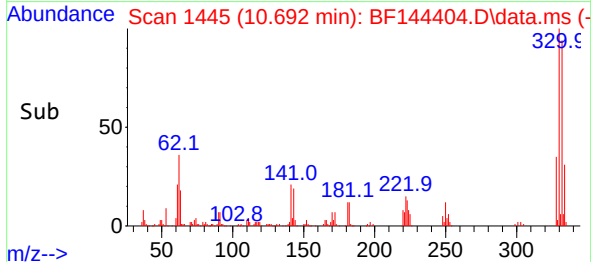
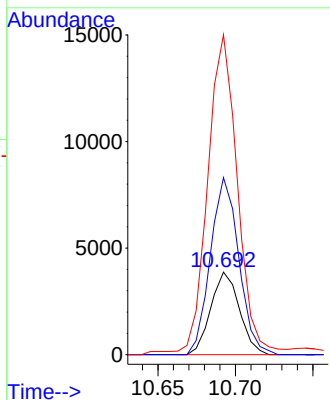
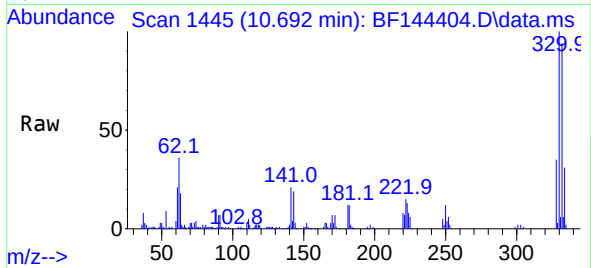




#67
4-Bromophenyl-phenylether
Concen: 2.540 ng
RT: 10.692 min Scan# 1489
Delta R.T. -0.253 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

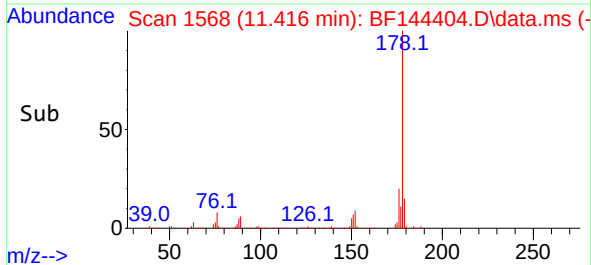
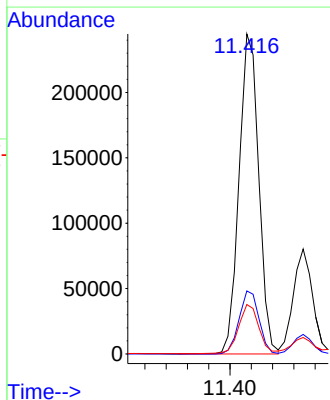
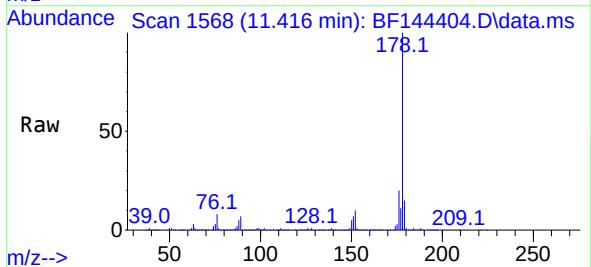
Instrument :
BNA_F
ClientSampleId :
SB-1125-20

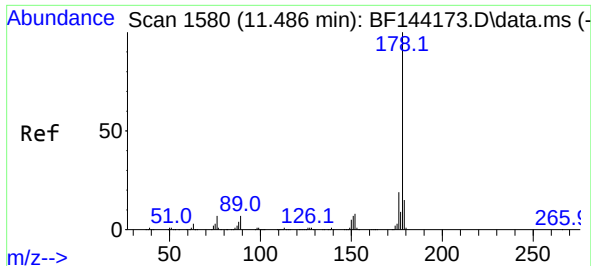
Tgt Ion:248 Resp: 4977
Ion Ratio Lower Upper
248 100
250 214.5 78.4 117.6#
141 387.7 45.1 67.7#



#71
Phenanthrene
Concen: 41.231 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Tgt Ion:178 Resp: 315099
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.4 12.2 18.4

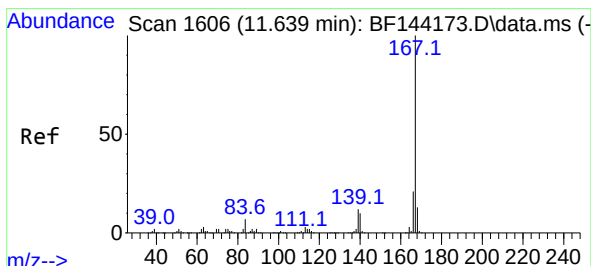
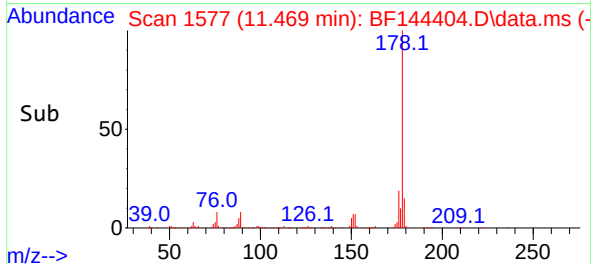
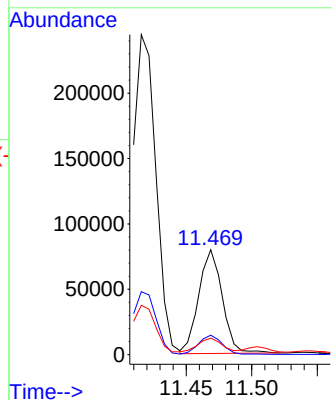
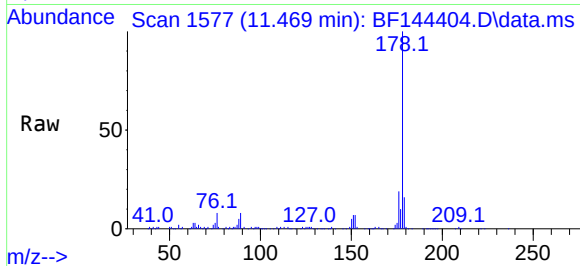




#72
 Anthracene
 Concen: 12.874 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF144404.D
 Acq: 02 Dec 2025 15:50

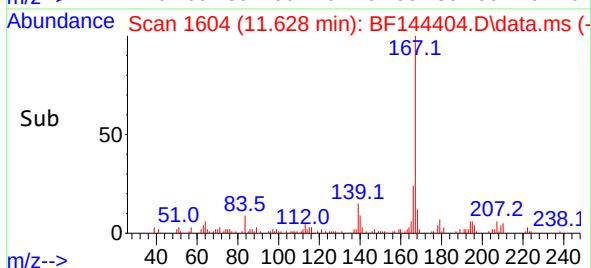
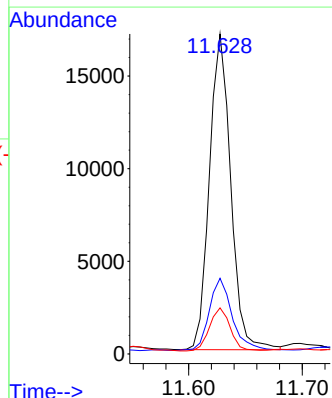
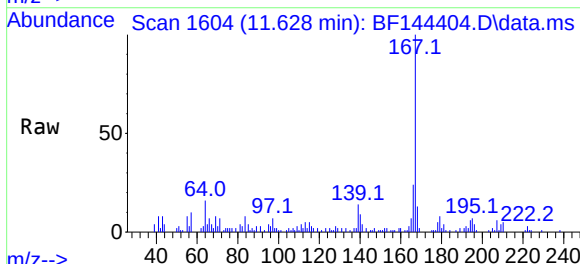
Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-20

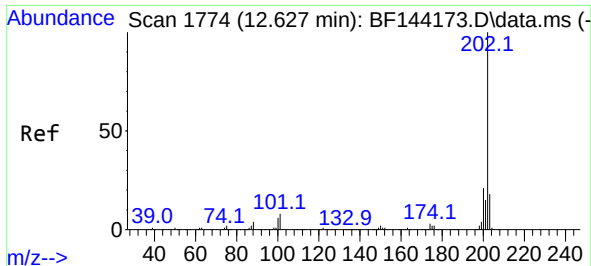
Tgt Ion:178 Resp: 100044
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.3 22.9
 179 15.8 12.0 18.0



#73
 Carbazole
 Concen: 3.366 ng
 RT: 11.628 min Scan# 1604
 Delta R.T. -0.012 min
 Lab File: BF144404.D
 Acq: 02 Dec 2025 15:50

Tgt Ion:167 Resp: 22244
 Ion Ratio Lower Upper
 167 100
 166 23.7 17.2 25.8
 139 14.4 9.9 14.9

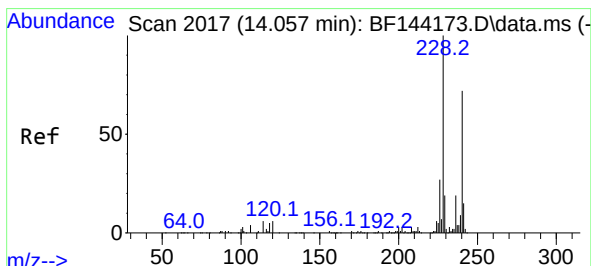
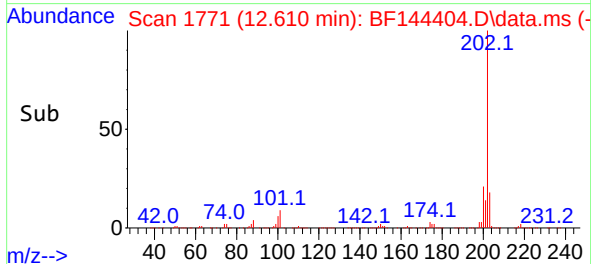
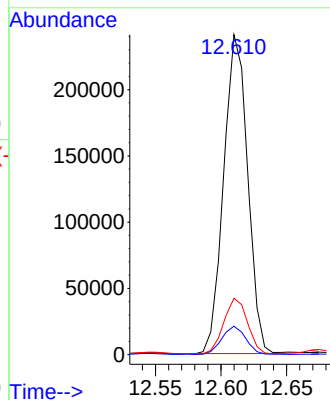
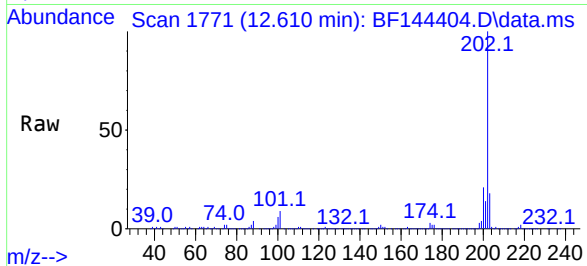




#75
Fluoranthene
Concen: 38.803 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

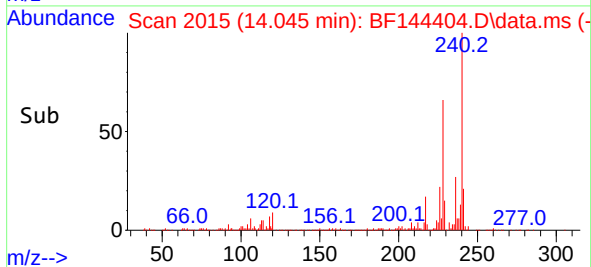
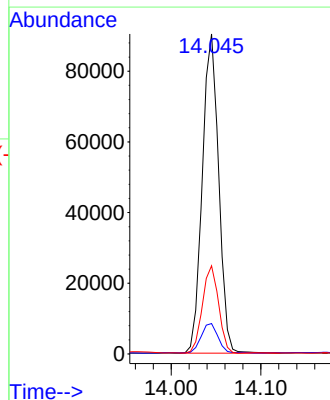
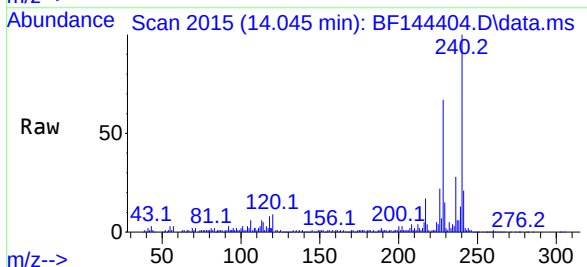
Instrument :
BNA_F
ClientSampleId :
SB-1125-20

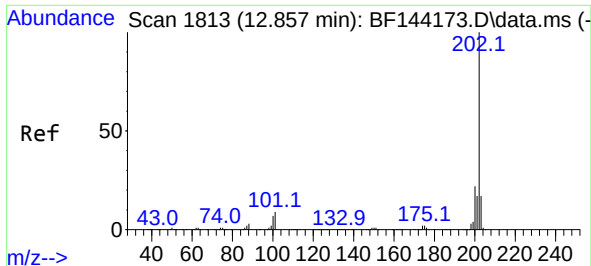
Tgt Ion:202 Resp: 306330
Ion Ratio Lower Upper
202 100
101 8.9 0.0 27.9
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Tgt Ion:240 Resp: 114317
Ion Ratio Lower Upper
240 100
120 9.5 6.6 10.0
236 27.6 21.4 32.2

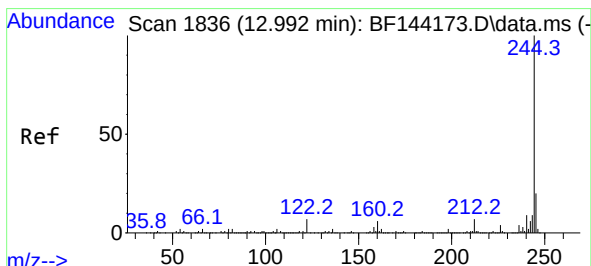
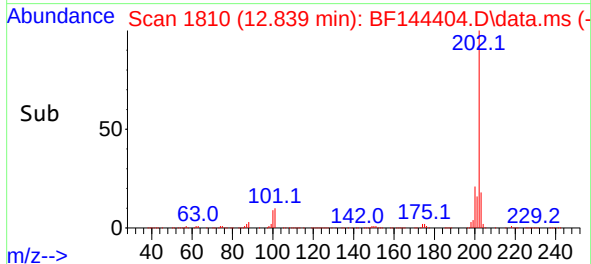
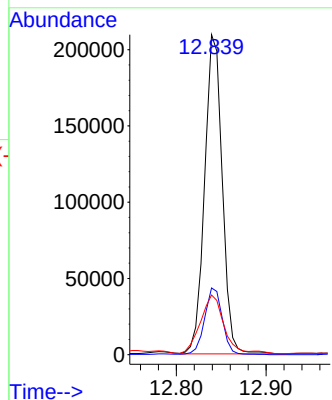
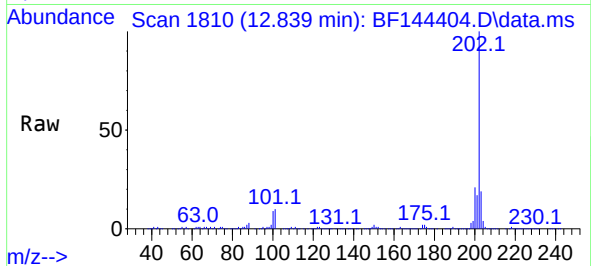




#78
Pyrene
Concen: 31.018 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

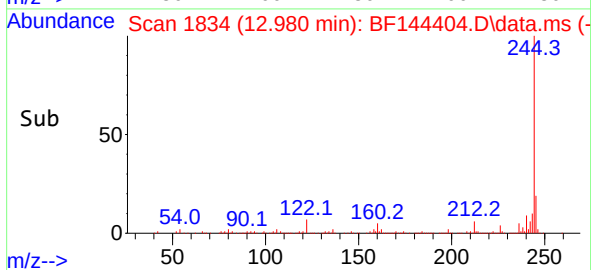
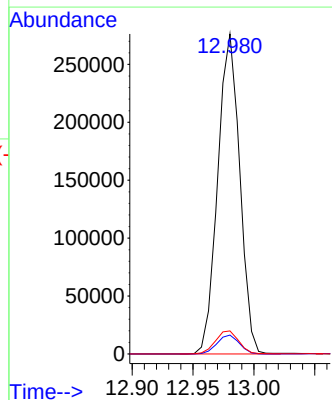
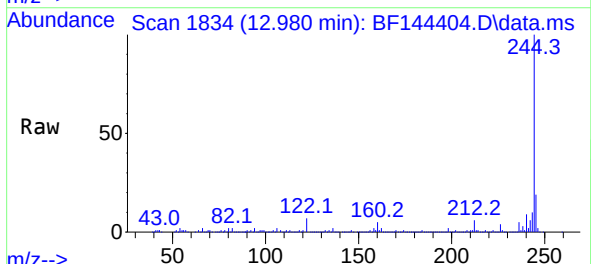
Instrument :
BNA_F
ClientSampleId :
SB-1125-20

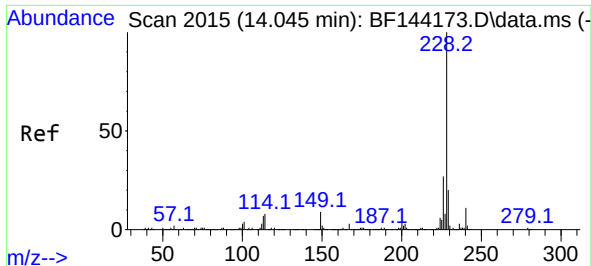
Tgt Ion:202 Resp: 285901
Ion Ratio Lower Upper
202 100
200 20.9 17.2 25.8
203 18.6 13.7 20.5



#79
Terphenyl-d14
Concen: 48.384 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Tgt Ion:244 Resp: 348216
Ion Ratio Lower Upper
244 100
212 5.9 5.3 7.9
122 7.2 5.6 8.4

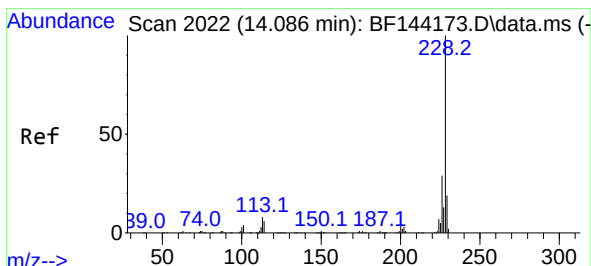
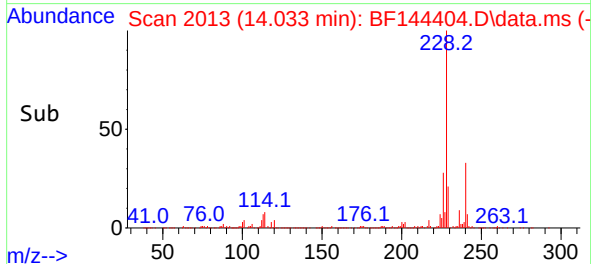
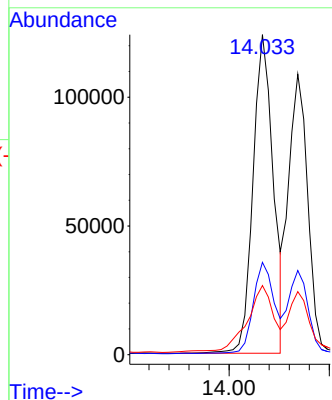
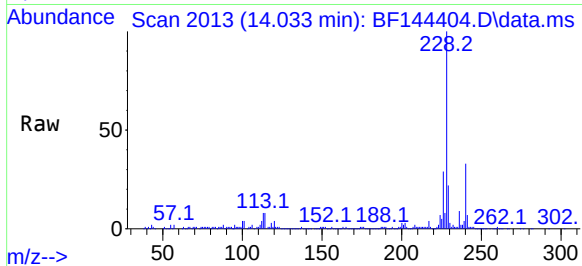




#81
Benzo(a)anthracene
Concen: 21.921 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

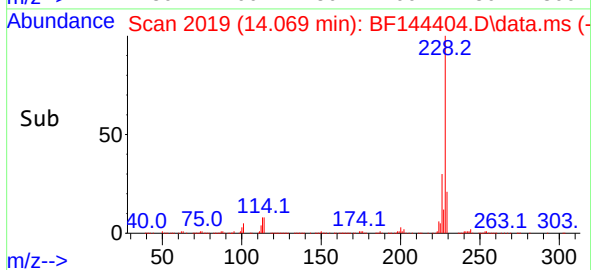
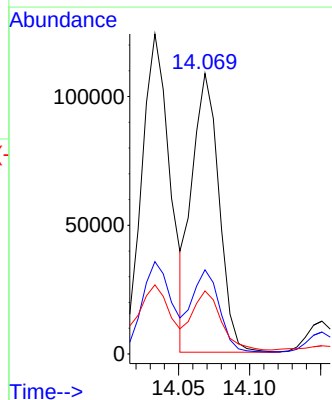
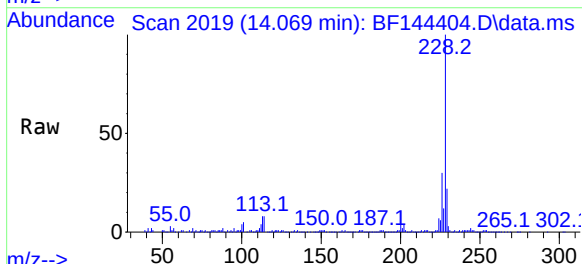
Instrument :
BNA_F
ClientSampleId :
SB-1125-20

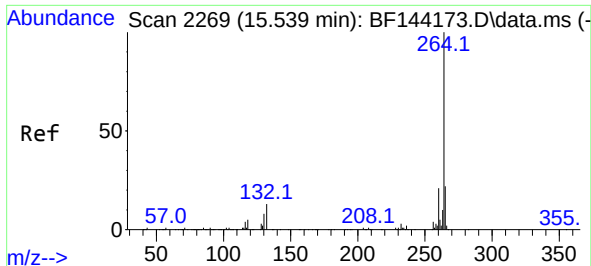
Tgt Ion:228 Resp: 173681
Ion Ratio Lower Upper
228 100
226 28.8 21.8 32.8
229 21.6 15.8 23.6



#83
Chrysene
Concen: 19.592 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Tgt Ion:228 Resp: 143298
Ion Ratio Lower Upper
228 100
226 30.0 22.9 34.3
229 22.5 15.0 22.6

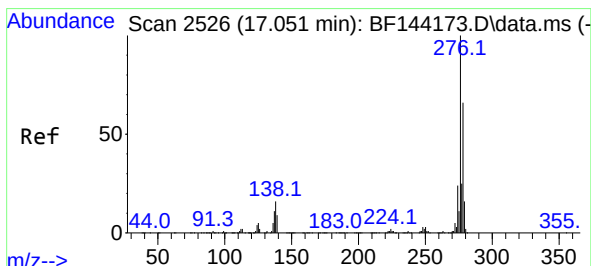
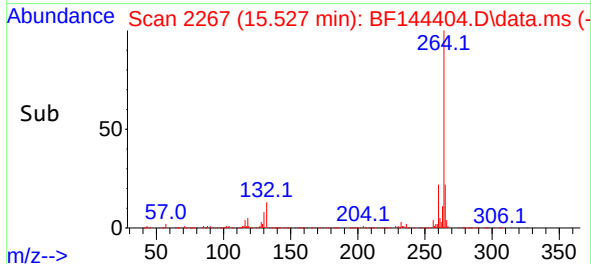
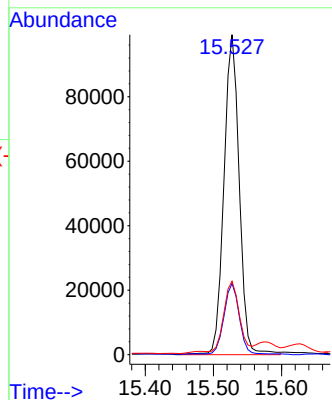
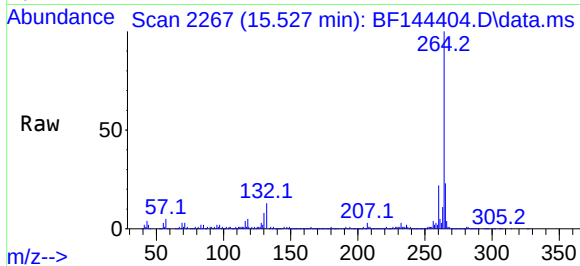




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

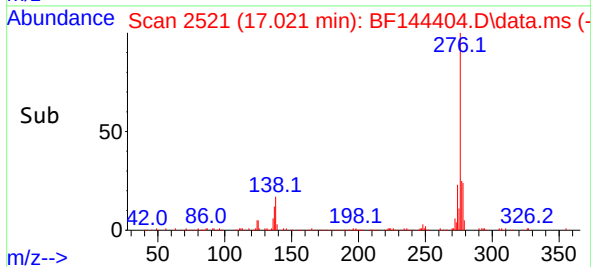
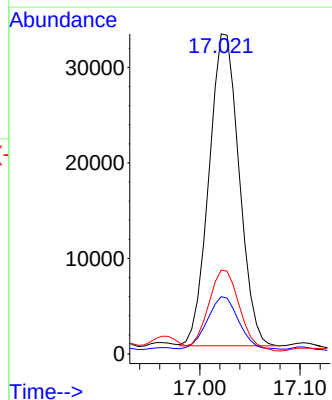
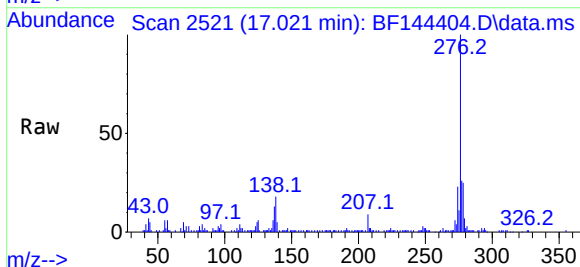
Instrument :
BNA_F
ClientSampleId :
SB-1125-20

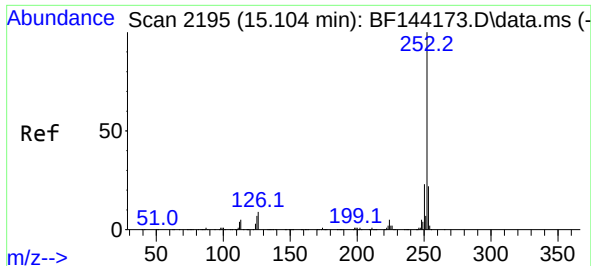
Tgt Ion:264 Resp: 155142
Ion Ratio Lower Upper
264 100
260 22.3 17.1 25.7
265 23.0 17.4 26.0



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.133 ng
RT: 17.021 min Scan# 2521
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Tgt Ion:276 Resp: 68307
Ion Ratio Lower Upper
276 100
138 18.3 13.9 20.9
277 27.1 19.8 29.6

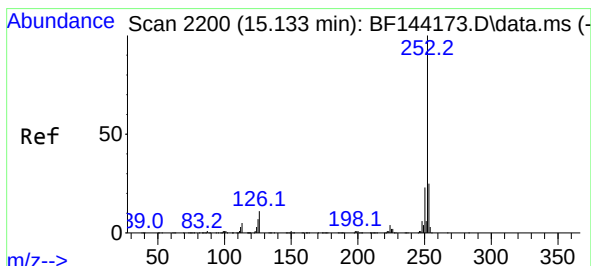
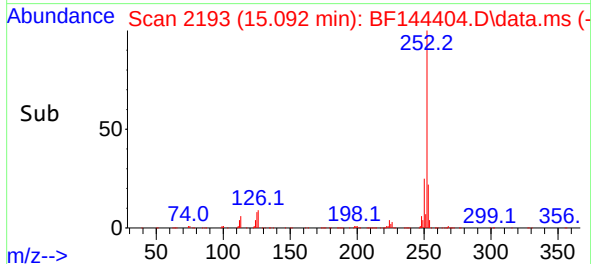
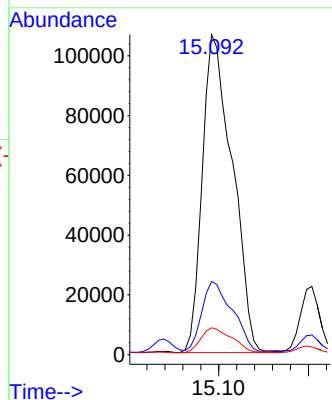
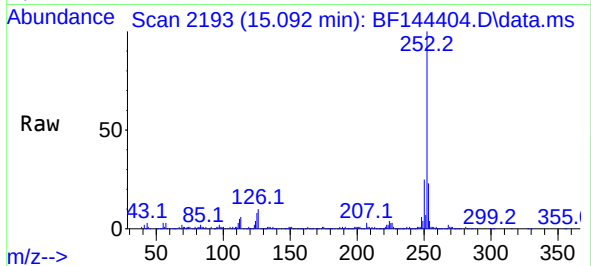




#88
Benzo(b)fluoranthene
Concen: 28.020 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

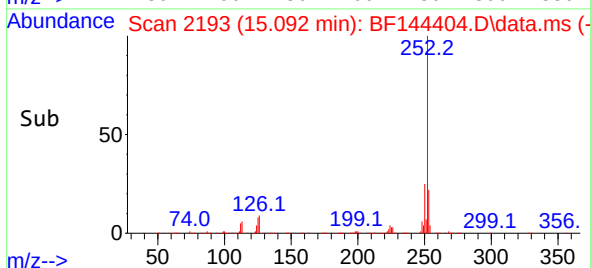
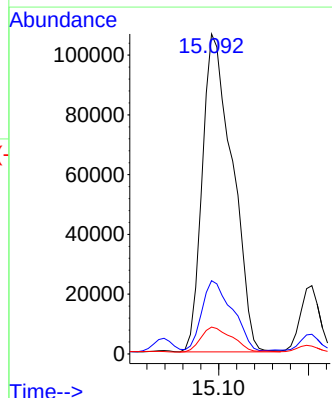
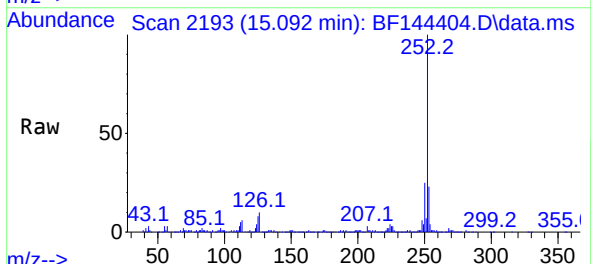
Instrument :
BNA_F
ClientSampleId :
SB-1125-20

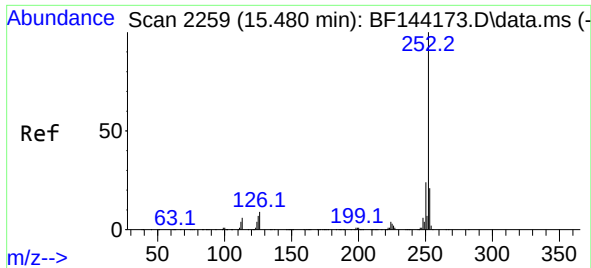
Tgt Ion:252 Resp: 247136
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 8.4 5.3 7.9#



#89
Benzo(k)fluoranthene
Concen: 29.935 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.035 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Tgt Ion:252 Resp: 247136
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 8.4 5.4 8.2#

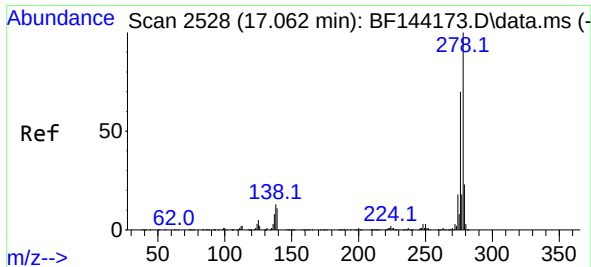
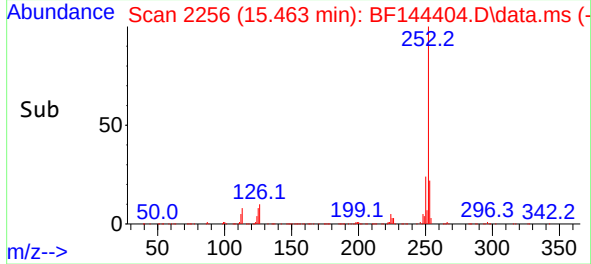
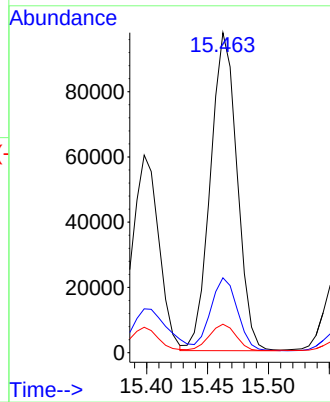
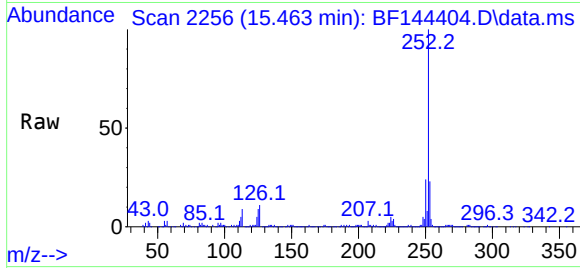




#90
Benzo(a)pyrene
Concen: 18.279 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

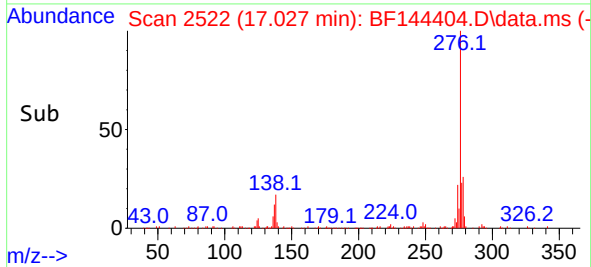
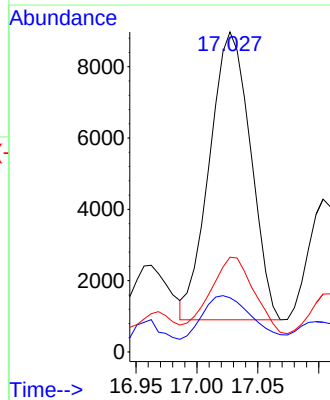
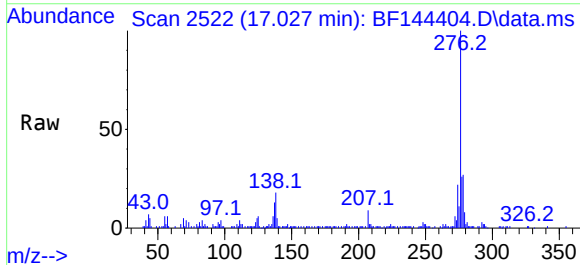
Instrument :
BNA_F
ClientSampleId :
SB-1125-20

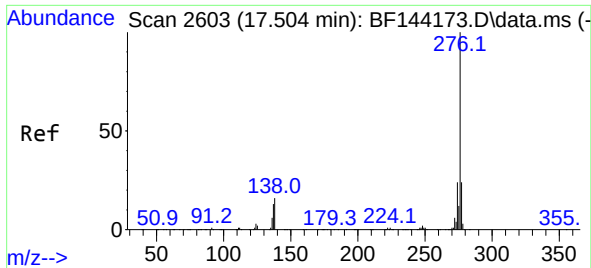
Tgt Ion:252 Resp: 148738
Ion Ratio Lower Upper
252 100
253 23.4 16.7 25.1
125 8.9 5.7 8.5#



#91
Dibenzo(a,h)anthracene
Concen: 2.116 ng
RT: 17.027 min Scan# 2522
Delta R.T. -0.024 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

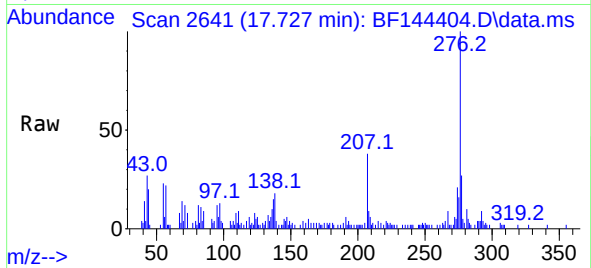
Tgt Ion:278 Resp: 18927
Ion Ratio Lower Upper
278 100
139 16.9 9.1 13.7#
279 29.6 18.2 27.4#





#92
Benzo(g,h,i)perylene
Concen: 2.135 ng
RT: 17.727 min Scan# 20
Delta R.T. 0.235 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SB-1125-20



Tgt Ion:276 Resp: 18859
Ion Ratio Lower Upper
276 100
277 27.5 19.0 28.4
138 18.1 12.9 19.3

