

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
 Data File : BF144403.D
 Acq On : 02 Dec 2025 15:20
 Operator : RC/JU
 Sample : Q3742-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-18

Quant Time: Dec 02 15:40:49 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)

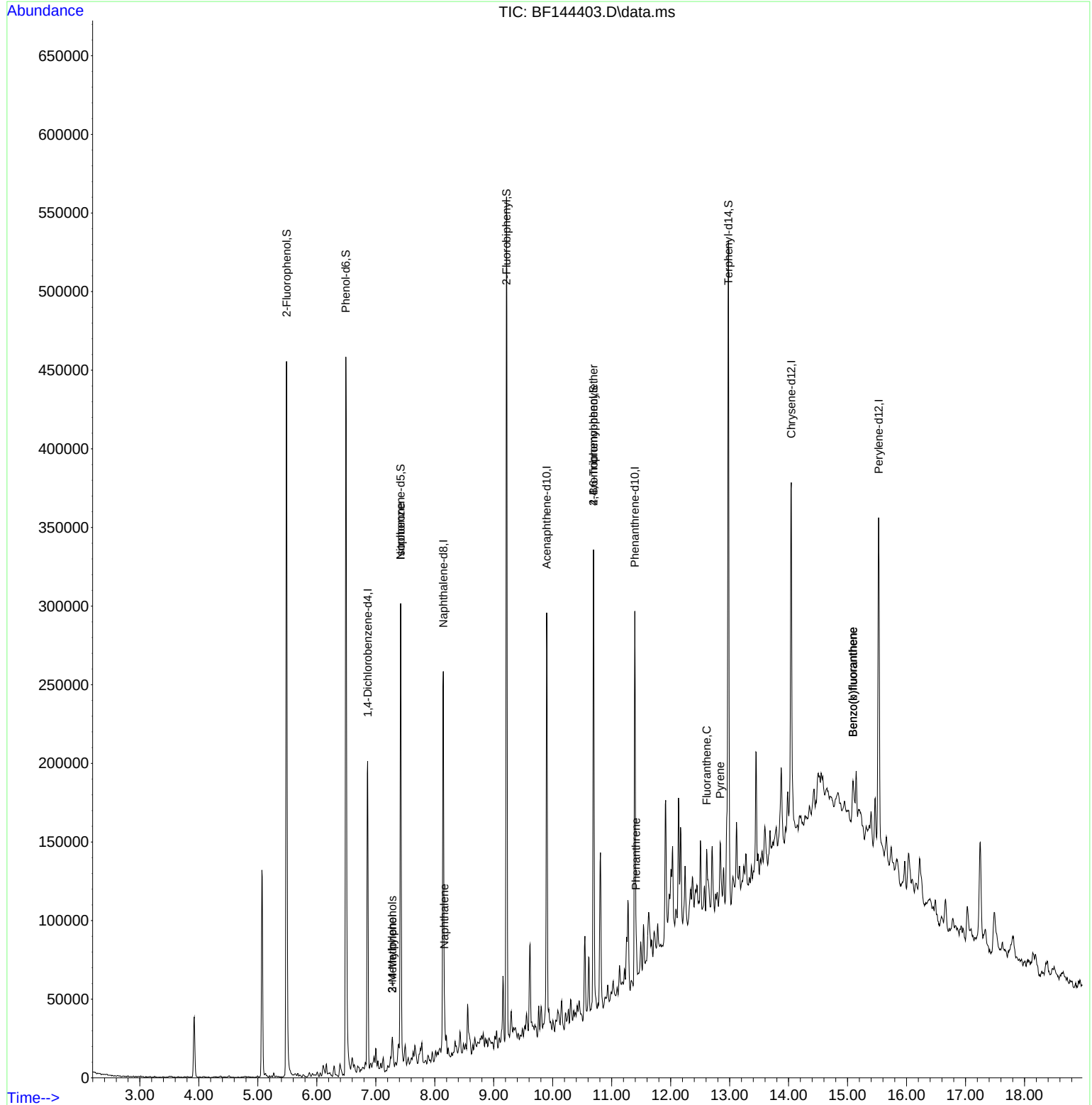
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	43495	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	159428	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	84264	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	125123	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	107178	20.000	ng	0.00
86) Perylene-d12	15.527	264	138111	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	192837	69.379	ng	0.00
7) Phenol-d6	6.493	99	214899	68.236	ng	0.00
23) Nitrobenzene-d5	7.422	82	121391	43.976	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	58148	54.991	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	250733	43.947	ng	-0.01
79) Terphenyl-d14	12.980	244	223099	33.064	ng	-0.01
Target Compounds						
					Qvalue	
17) 2-Methylphenol	7.281	107	7113	3.280	ng	# 80
20) 3+4-Methylphenols	7.281	107	7113	2.783	ng	# 46
25) Isophorone	7.422	82	118915	22.775	ng	# 67
31) Naphthalene	8.163	128	15206	2.005	ng	99
67) 4-Bromophenyl-phenylether	10.692	248	3397	2.127	ng	# 1
71) Phenanthrene	11.416	178	13183	2.116	ng	# 92
75) Fluoranthene	12.610	202	21197	3.294	ng	93
78) Pyrene	12.839	202	23361	2.703	ng	# 93
88) Benzo(b)fluoranthene	15.092	252	22625	2.881	ng	# 84
89) Benzo(k)fluoranthene	15.092	252	22637	3.080	ng	# 86

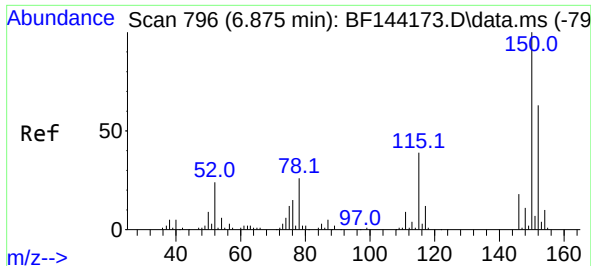
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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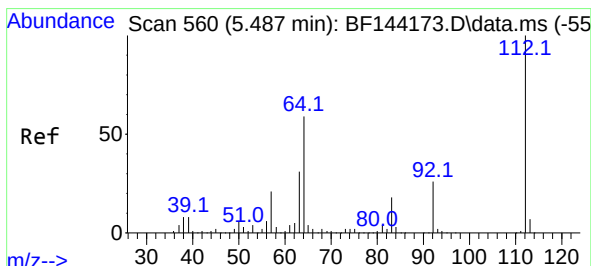
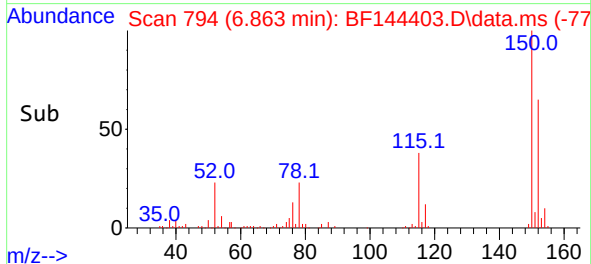
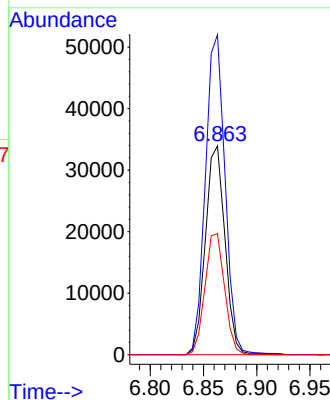
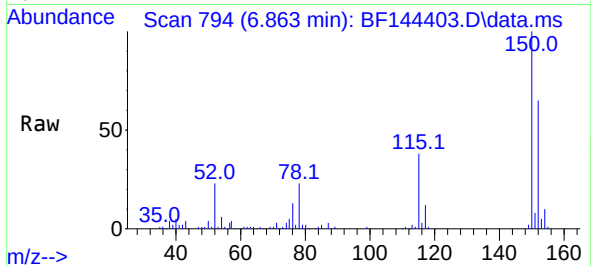




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

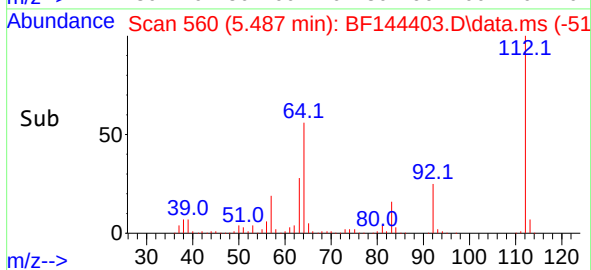
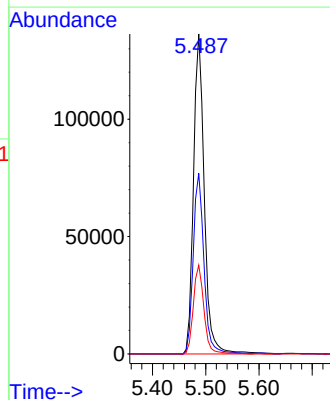
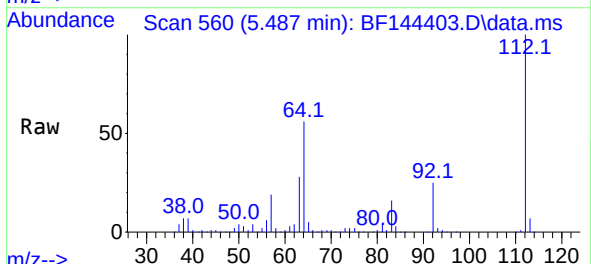
Instrument :
BNA_F
ClientSampleId :
SB-1125-18

Tgt Ion:152 Resp: 43495
Ion Ratio Lower Upper
152 100
150 153.2 127.4 191.0
115 58.1 49.5 74.3

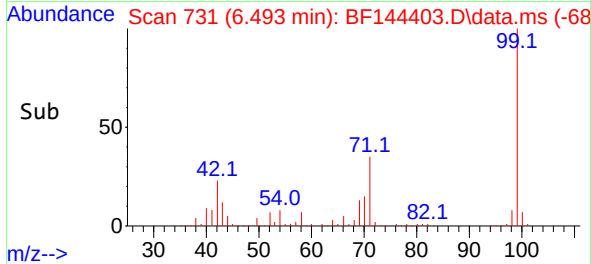
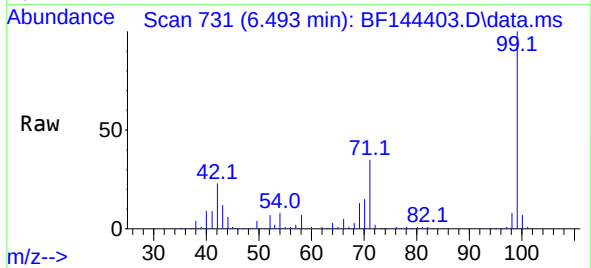
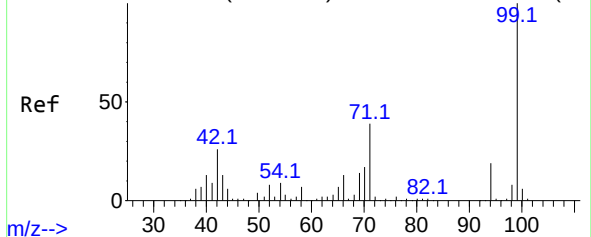


#5
2-Fluorophenol
Concen: 69.379 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

Tgt Ion:112 Resp: 192837
Ion Ratio Lower Upper
112 100
64 56.5 47.2 70.8
63 27.7 24.4 36.6



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



#7

Phenol-d6

Concen: 68.236 ng

RT: 6.493 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144403.D

Acq: 02 Dec 2025 15:20

Instrument :

BNA_F

ClientSampleId :

SB-1125-18

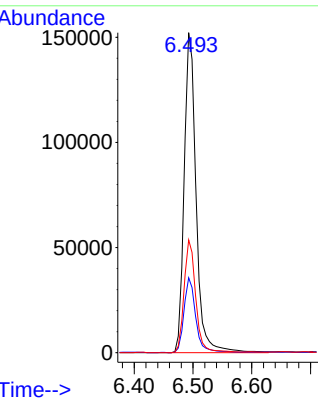
Tgt Ion: 99 Resp: 214899

Ion Ratio Lower Upper

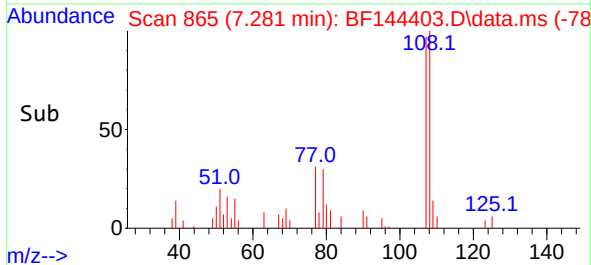
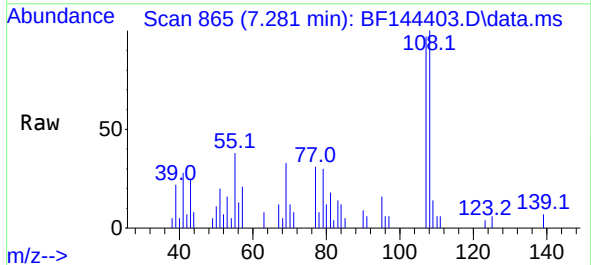
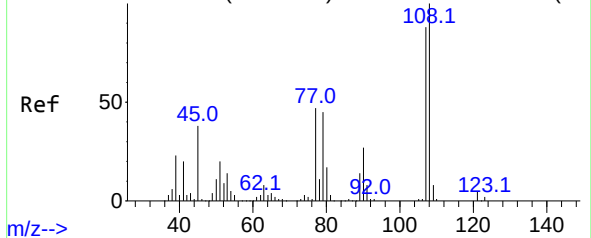
99 100

42 23.4 20.9 31.3

71 35.3 31.4 47.2



Abundance Scan 839 (7.128 min): BF144173.D\data.ms (-83



#17

2-Methylphenol

Concen: 3.280 ng

RT: 7.281 min Scan# 865

Delta R.T. 0.159 min

Lab File: BF144403.D

Acq: 02 Dec 2025 15:20

Tgt Ion: 107 Resp: 7113

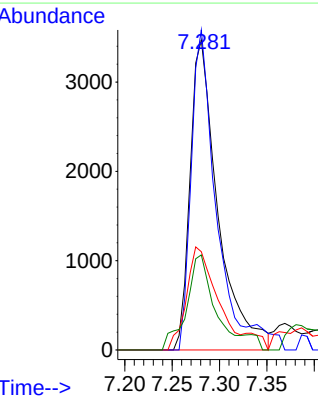
Ion Ratio Lower Upper

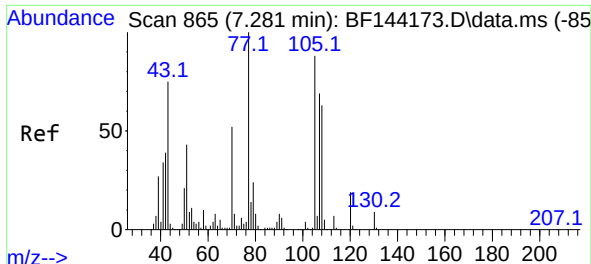
107 100

108 103.3 91.0 136.4

77 31.7 42.7 64.1#

79 30.7 41.4 62.2#



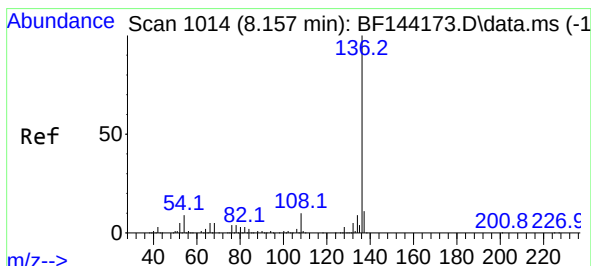
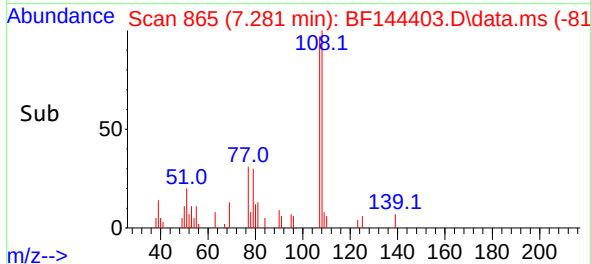
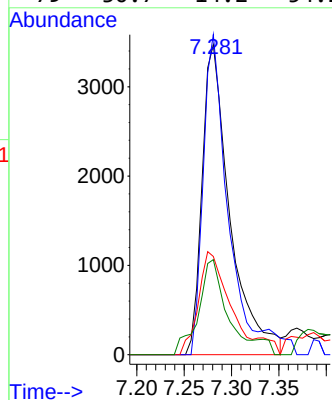
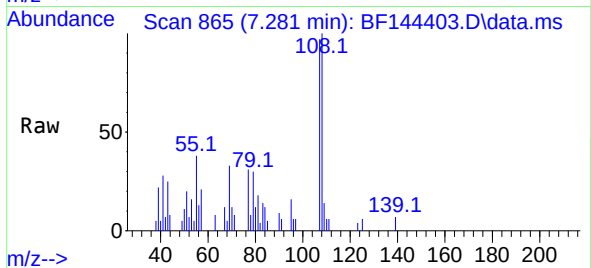


#20
3+4-Methylphenols
Concen: 2.783 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SB-1125-18

Tgt Ion:107 Resp: 7113

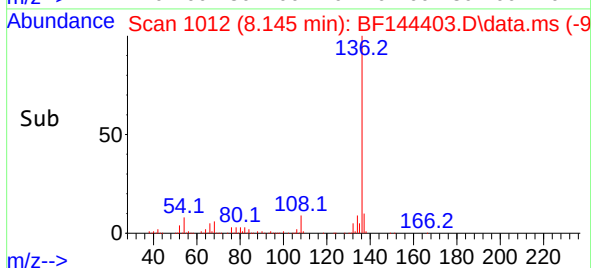
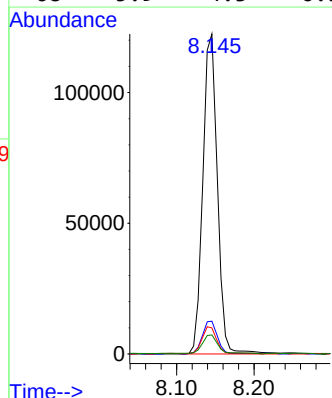
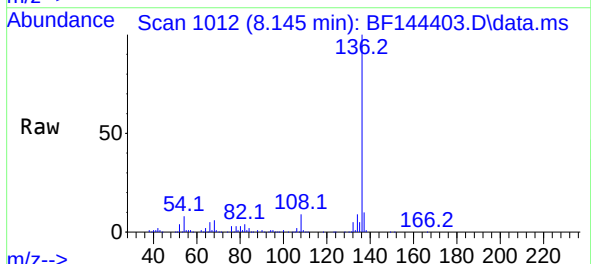
Ion	Ratio	Lower	Upper
107	100		
108	103.3	70.2	110.2
77	31.7	123.9	163.9#
79	30.7	14.2	54.2

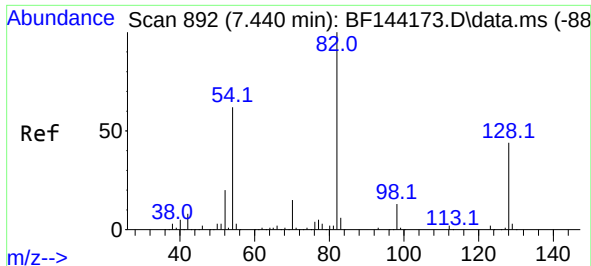


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

Tgt Ion:136 Resp: 159428

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	13.0
54	8.2	7.0	10.6
68	5.9	4.3	6.5

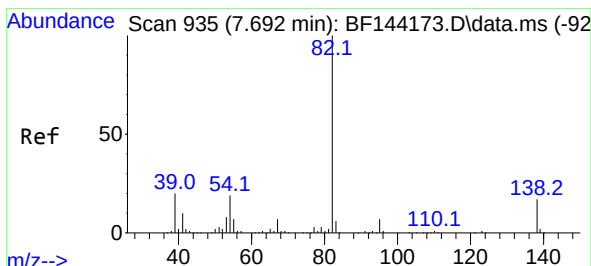
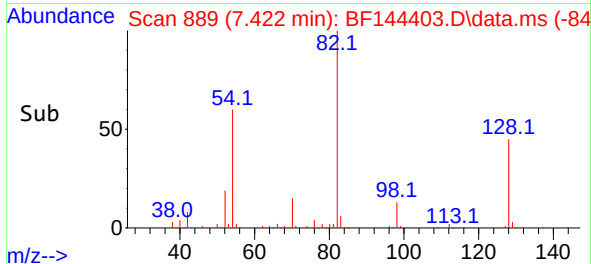
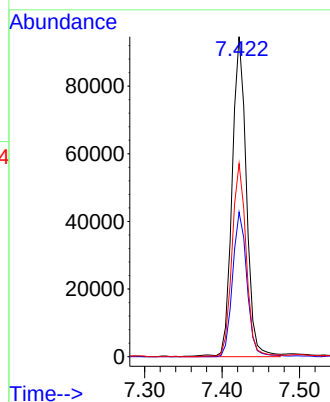
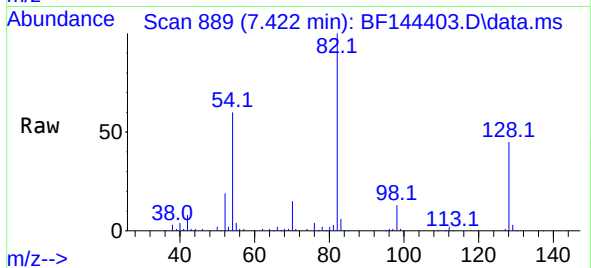




#23
Nitrobenzene-d5
Concen: 43.976 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

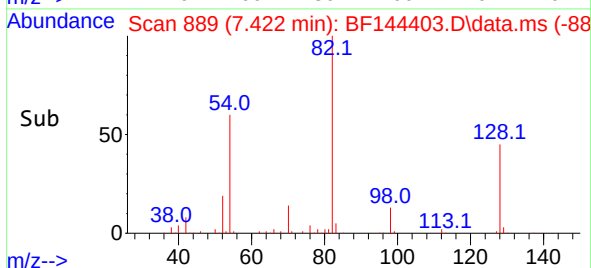
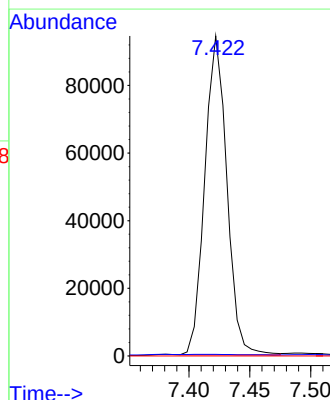
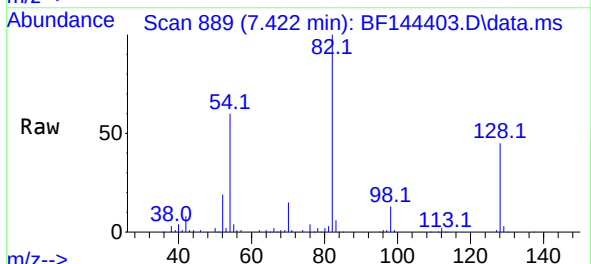
Instrument :
BNA_F
ClientSampleId :
SB-1125-18

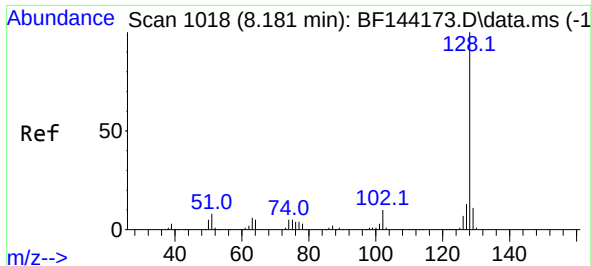
Tgt Ion: 82 Resp: 121391
Ion Ratio Lower Upper
82 100
128 45.2 34.7 52.1
54 60.3 49.5 74.3



#25
Isophorone
Concen: 22.775 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.265 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

Tgt Ion: 82 Resp: 118915
Ion Ratio Lower Upper
82 100
95 0.5 5.5 8.3#
138 0.0 13.7 20.5#

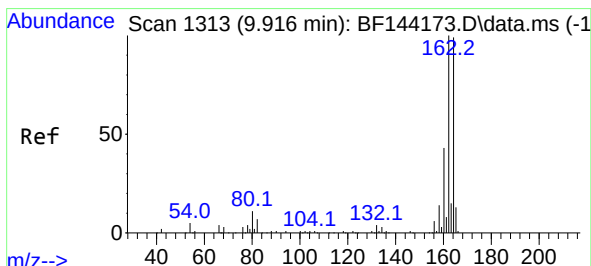
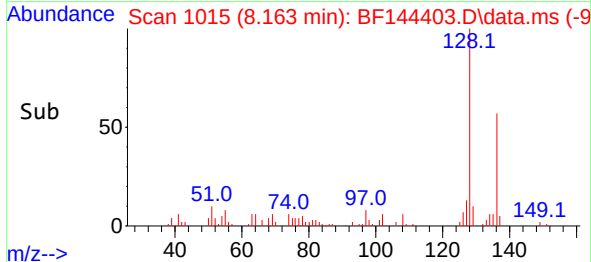
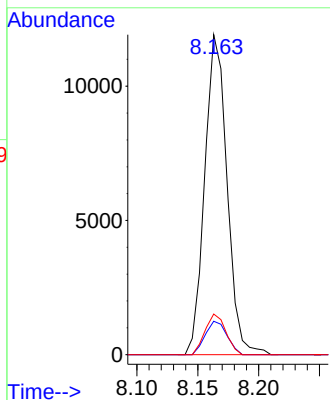
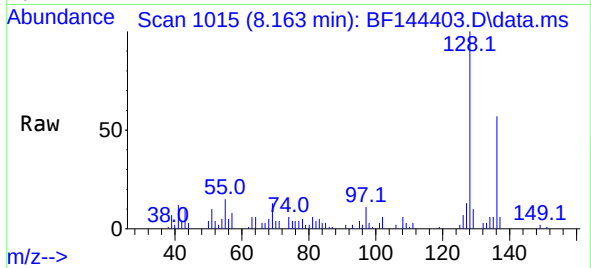




#31
Naphthalene
Concen: 2.005 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

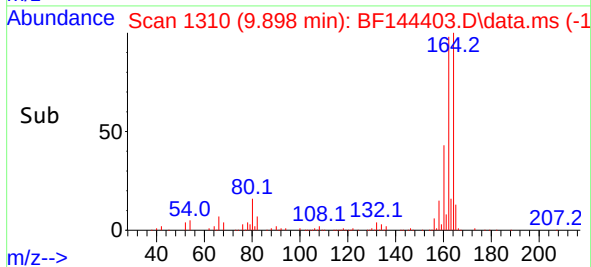
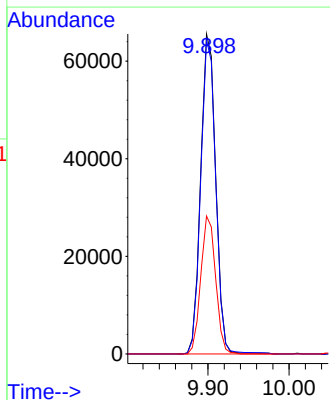
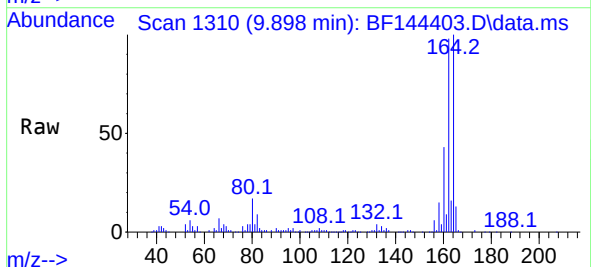
Instrument :
BNA_F
ClientSampleId :
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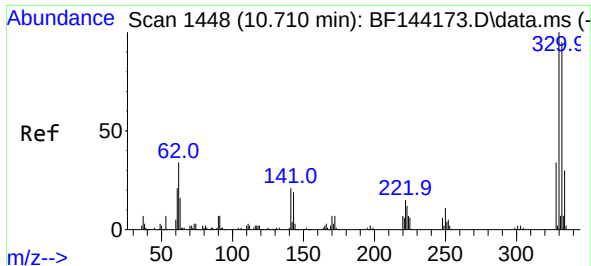
Tgt Ion:128 Resp: 15206
Ion Ratio Lower Upper
128 100
129 10.5 8.9 13.3
127 12.7 10.3 15.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

Tgt Ion:164 Resp: 84264
Ion Ratio Lower Upper
164 100
162 98.1 81.1 121.7
160 43.1 34.5 51.7

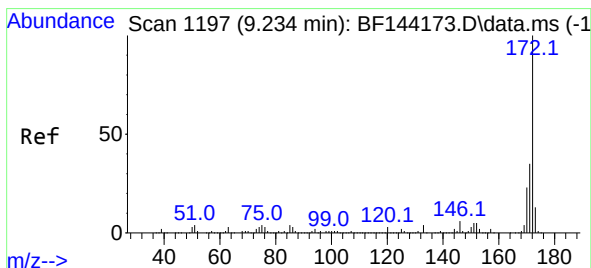
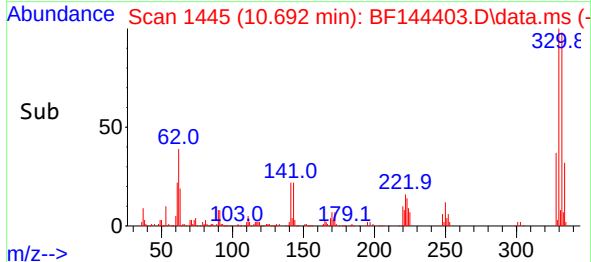
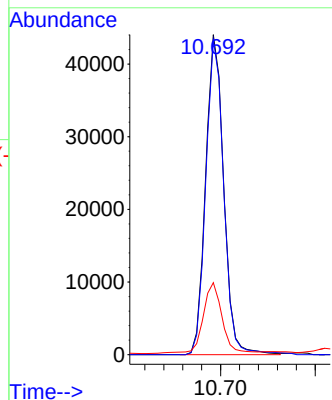
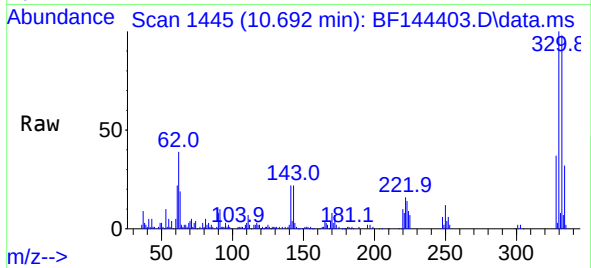




#42
2,4,6-Tribromophenol
Concen: 54.991 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

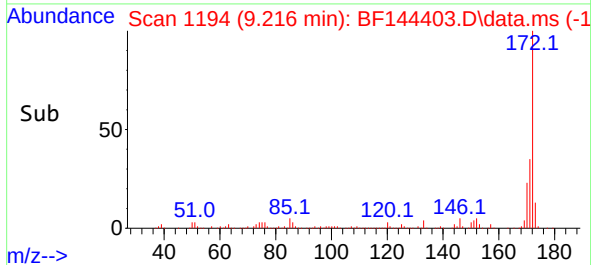
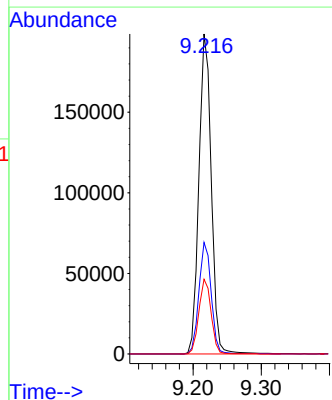
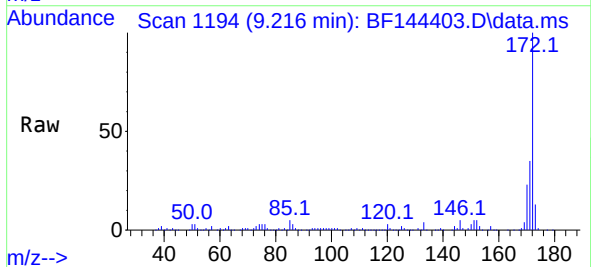
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SB-1125-18

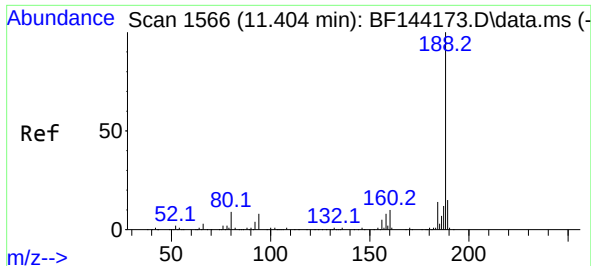
Tgt Ion:330 Resp: 58148
Ion Ratio Lower Upper
330 100
332 97.9 76.7 115.1
141 23.3 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 43.947 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

Tgt Ion:172 Resp: 250733
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.3 18.6 28.0

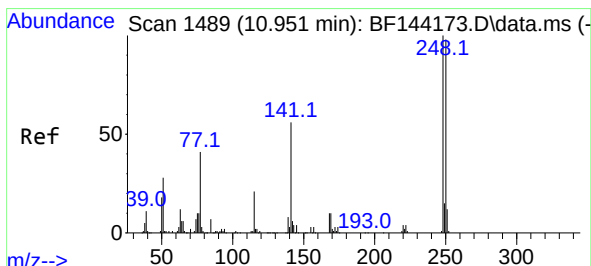
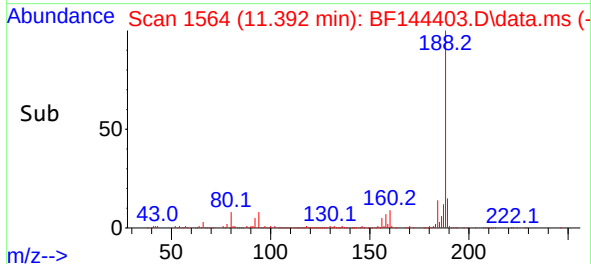
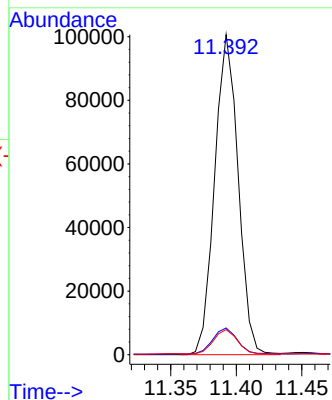
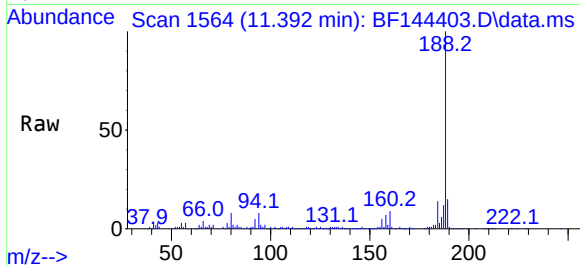




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

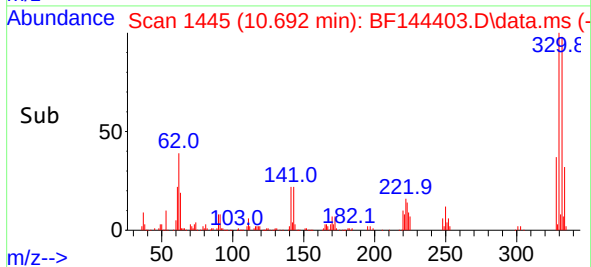
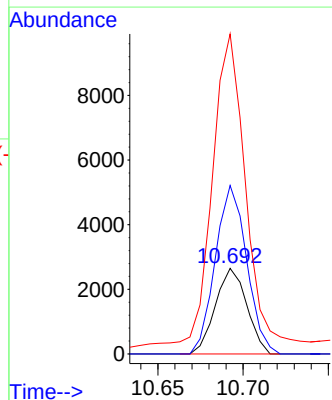
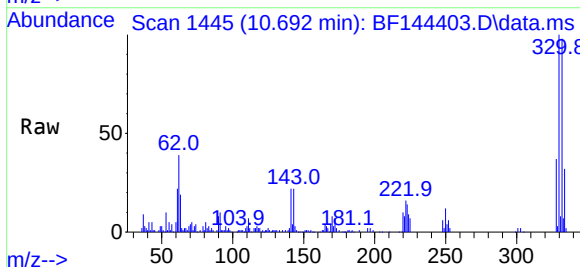
Instrument :
BNA_F
ClientSampleId :
SB-1125-18

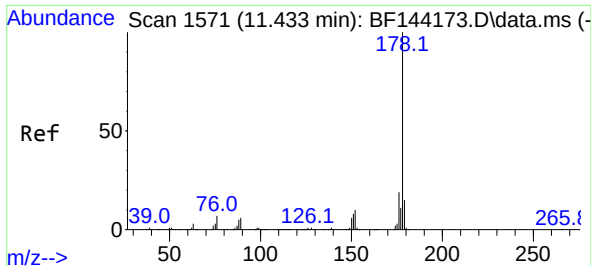
Tgt Ion:188 Resp: 125123
Ion Ratio Lower Upper
188 100
94 8.4 6.2 9.2
80 7.8 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 2.127 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.253 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

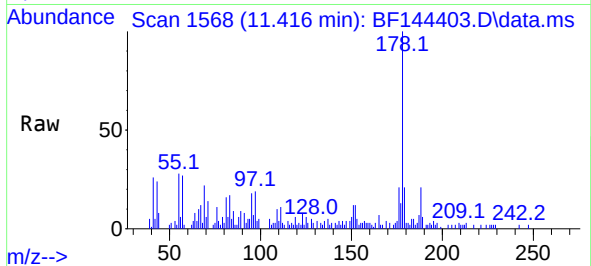
Tgt Ion:248 Resp: 3397
Ion Ratio Lower Upper
248 100
250 196.6 78.4 117.6#
141 373.6 45.1 67.7#



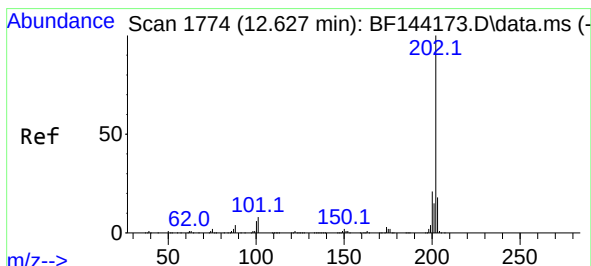
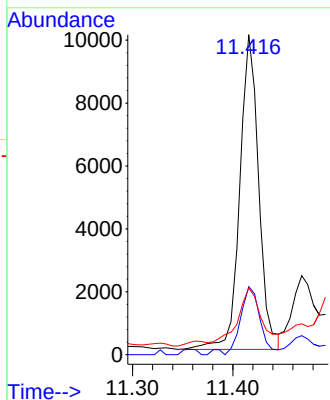
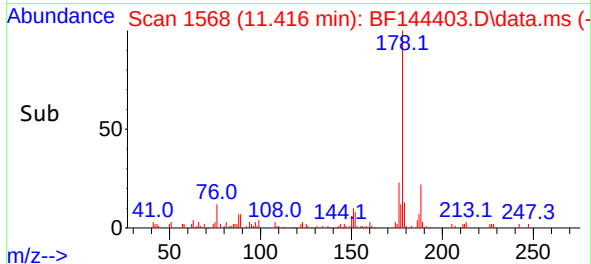


#71
Phenanthrene
Concen: 2.116 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SB-1125-18

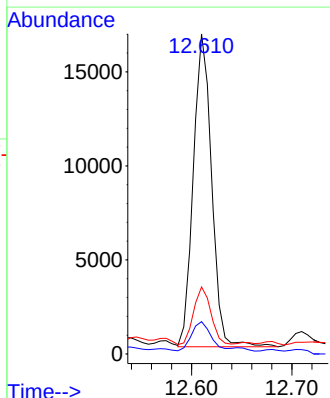
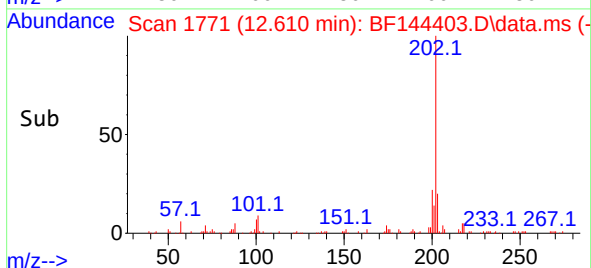
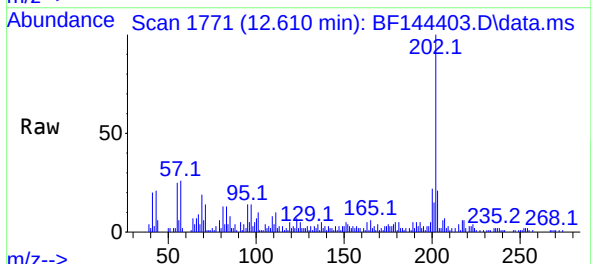


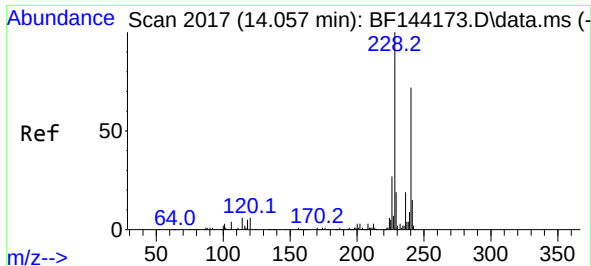
Tgt Ion:178 Resp: 13183
Ion Ratio Lower Upper
178 100
176 21.2 15.5 23.3
179 20.8 12.2 18.4#



#75
Fluoranthene
Concen: 3.294 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

Tgt Ion:202 Resp: 21197
Ion Ratio Lower Upper
202 100
101 10.1 0.0 27.9
203 20.9 0.0 37.5

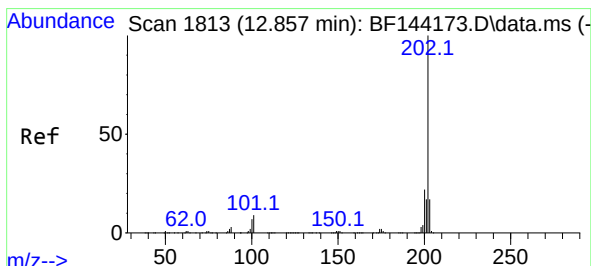
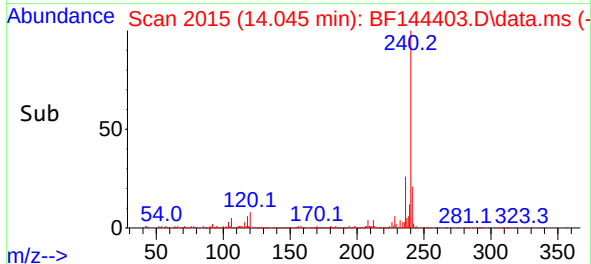
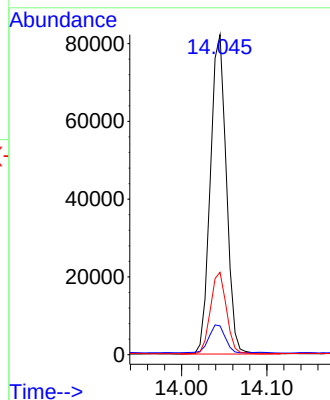
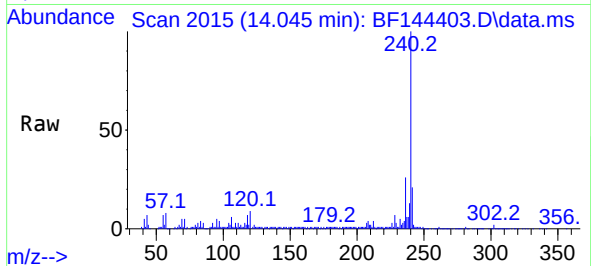




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

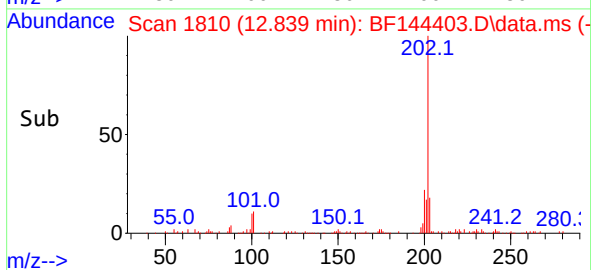
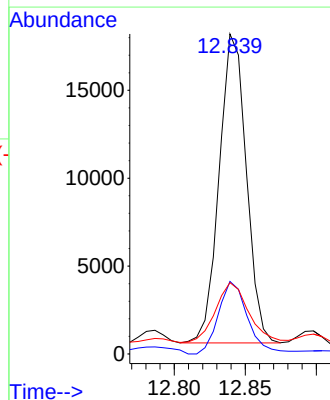
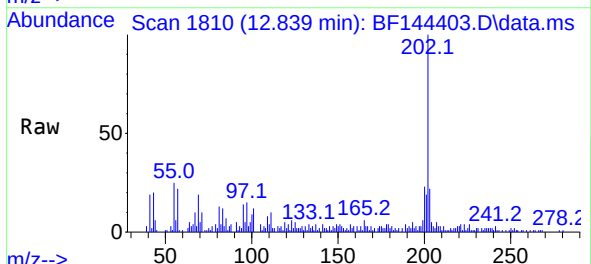
Instrument :
BNA_F
ClientSampleId :
SB-1125-18

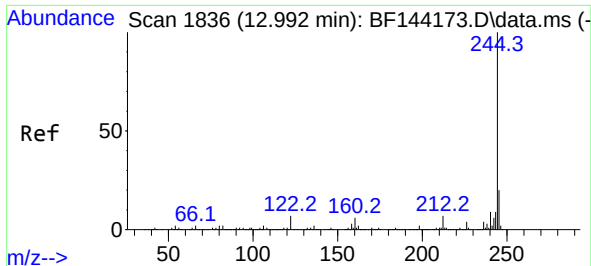
Tgt Ion:240 Resp: 107178
Ion Ratio Lower Upper
240 100
120 9.0 6.6 10.0
236 25.7 21.4 32.2



#78
Pyrene
Concen: 2.703 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

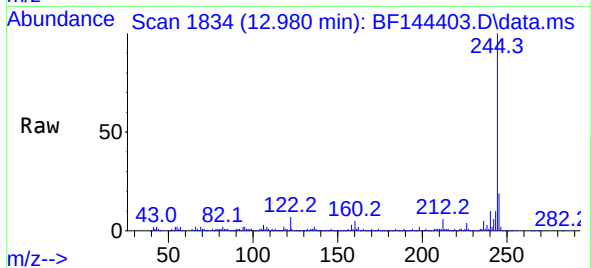
Tgt Ion:202 Resp: 23361
Ion Ratio Lower Upper
202 100
200 22.7 17.2 25.8
203 22.3 13.7 20.5#



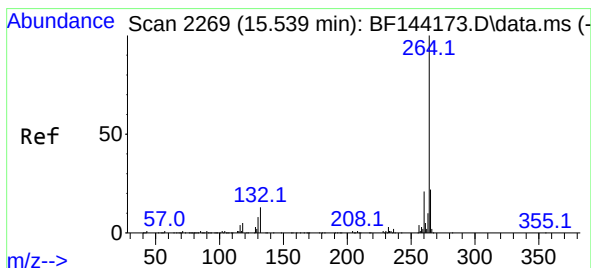
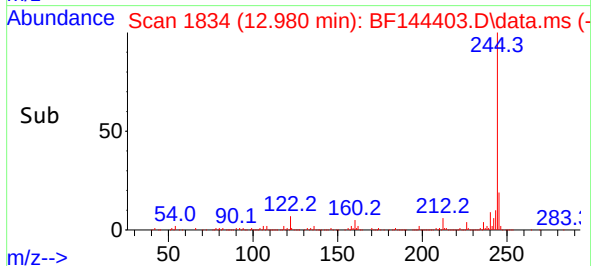
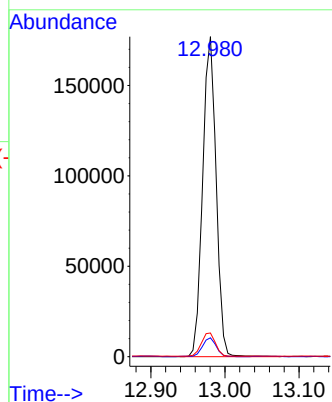


#79
Terphenyl-d14
Concen: 33.064 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SB-1125-18

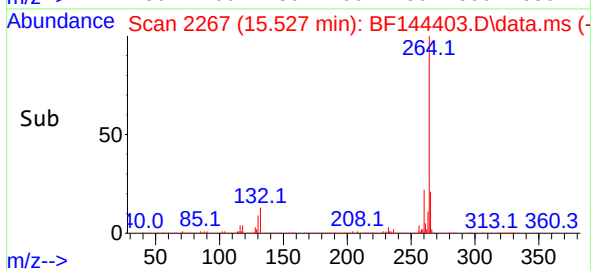
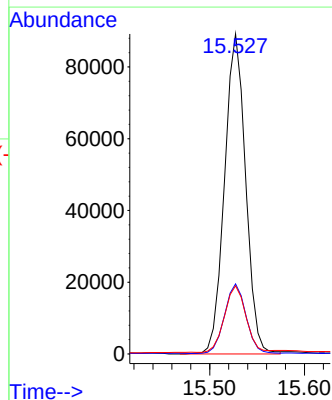
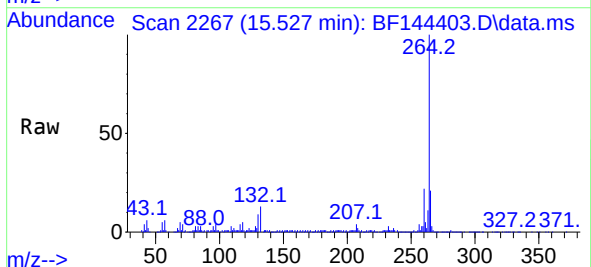


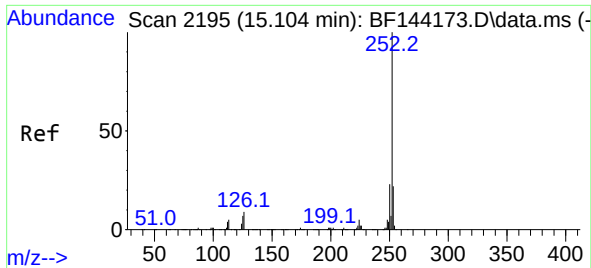
Tgt Ion:244 Resp: 223099
Ion Ratio Lower Upper
244 100
212 5.9 5.3 7.9
122 7.4 5.6 8.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

Tgt Ion:264 Resp: 138111
Ion Ratio Lower Upper
264 100
260 21.9 17.1 25.7
265 21.3 17.4 26.0

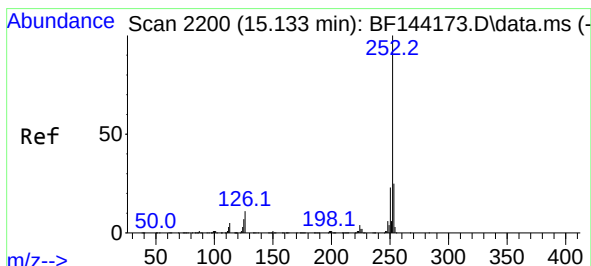
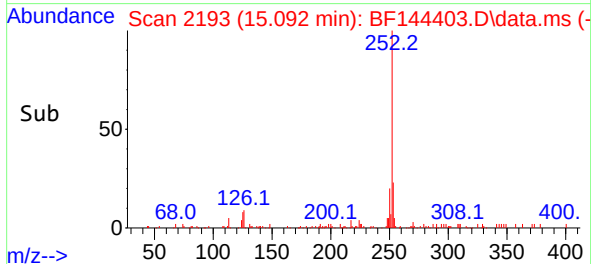
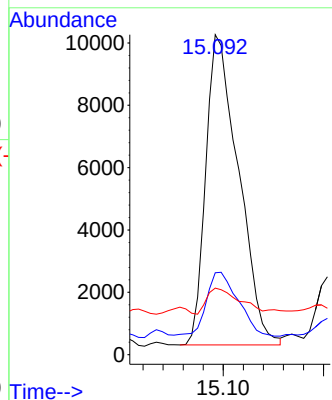
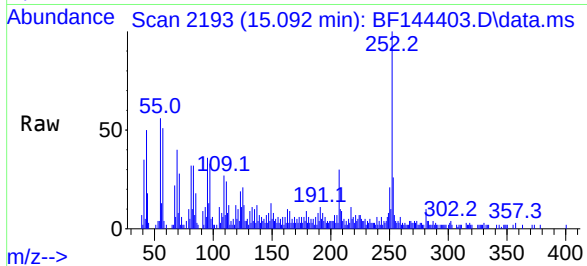




#88
Benzo(b)fluoranthene
Concen: 2.881 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SB-1125-18

Tgt Ion:252 Resp: 22625
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.2
125 20.8 5.3 7.9#



#89
Benzo(k)fluoranthene
Concen: 3.080 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.035 min
Lab File: BF144403.D
Acq: 02 Dec 2025 15:20

Tgt Ion:252 Resp: 22637
Ion Ratio Lower Upper
252 100
253 25.6 18.0 27.0
125 20.8 5.4 8.2#

