

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144364.D
 Acq On : 26 Nov 2025 16:42
 Operator : RC/JU
 Sample : Q3719-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-10B

Quant Time: Nov 26 17:04:49 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)

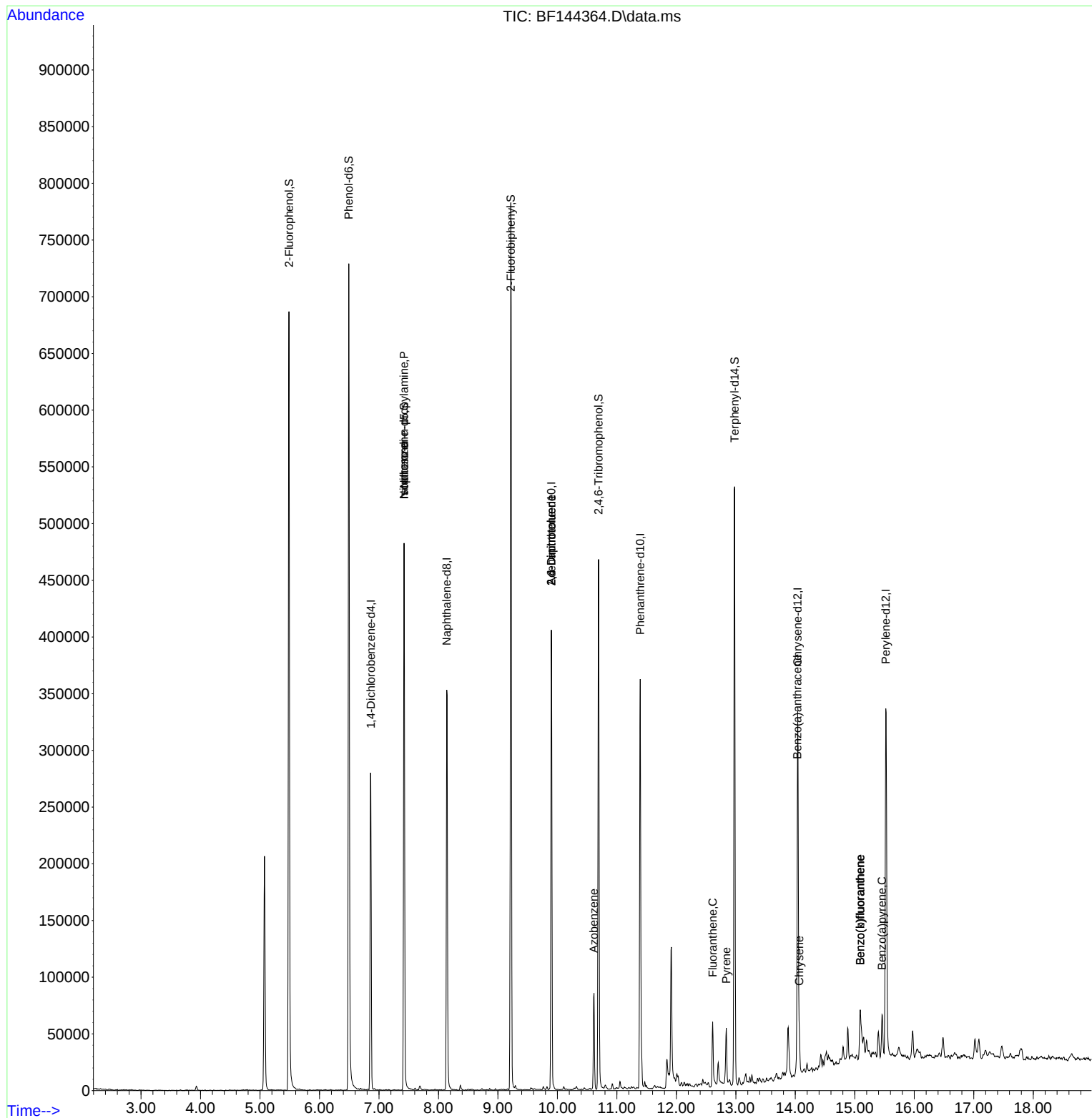
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	62995	20.000	ng	-0.01
21) Naphthalene-d8	8.140	136	238733	20.000	ng	#-0.02
39) Acenaphthene-d10	9.898	164	129698	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	196600	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	148954	20.000	ng	-0.01
86) Perylene-d12	15.521	264	194636	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	283654	70.463	ng	0.00
7) Phenol-d6	6.493	99	332328	72.858	ng	0.00
23) Nitrobenzene-d5	7.422	82	201440	48.733	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	93567	57.489	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	373494	42.532	ng	-0.01
79) Terphenyl-d14	12.980	244	287415	30.649	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	29362	9.778	ng	# 74
25) Isophorone	7.422	82	201440	25.764	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	16320	9.383	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	16320	7.009	ng	# 27
63) Azobenzene	10.610	77	21823	2.960	ng	# 1
75) Fluoranthene	12.610	202	30550	3.021	ng	95
78) Pyrene	12.839	202	30810	2.565	ng	98
81) Benzo(a)anthracene	14.033	228	24537	2.377	ng	94
83) Chrysene	14.069	228	19609	2.058	ng	92
88) Benzo(b)fluoranthene	15.092	252	39114	3.535	ng	# 94
89) Benzo(k)fluoranthene	15.092	252	39211	3.786	ng	# 96
90) Benzo(a)pyrene	15.457	252	22518	2.206	ng	# 96

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

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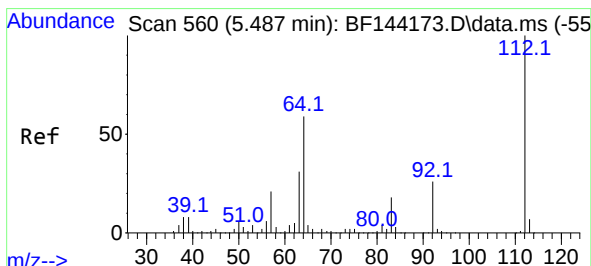
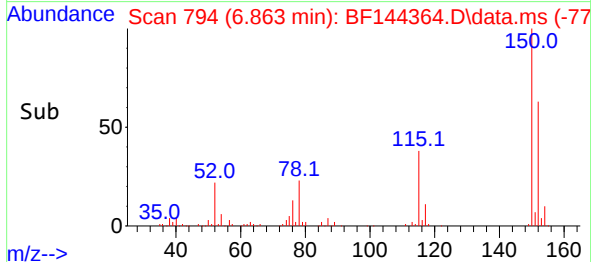
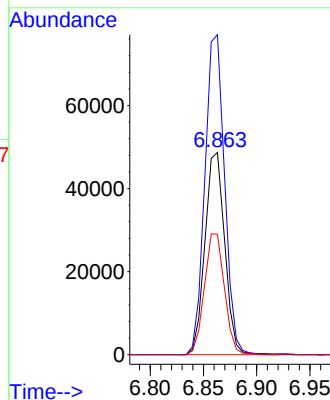
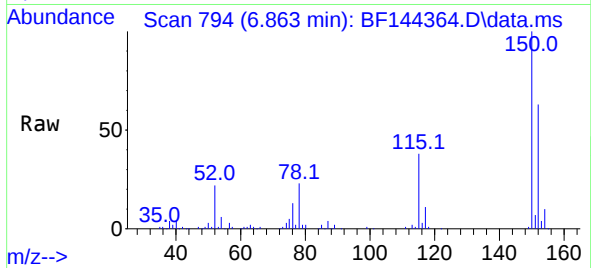




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

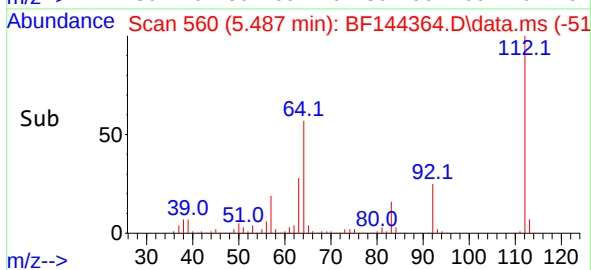
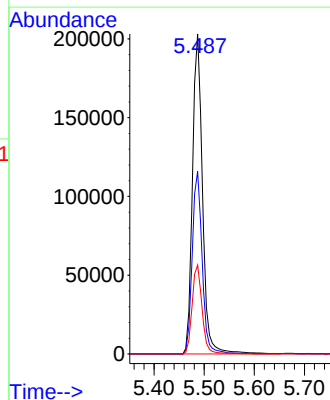
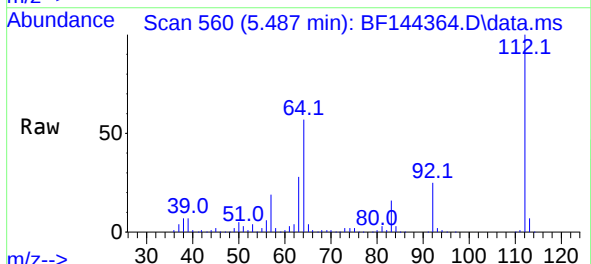
Instrument :
BNA_F
ClientSampleId :
SB-1125-10B

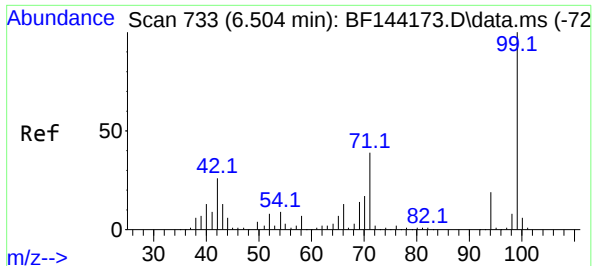
Tgt Ion:152 Resp: 62995
Ion Ratio Lower Upper
152 100
150 158.2 127.4 191.0
115 59.5 49.5 74.3



#5
2-Fluorophenol
Concen: 70.463 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

Tgt Ion:112 Resp: 283654
Ion Ratio Lower Upper
112 100
64 57.0 47.2 70.8
63 27.8 24.4 36.6

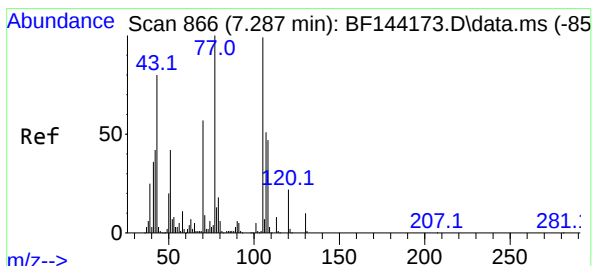
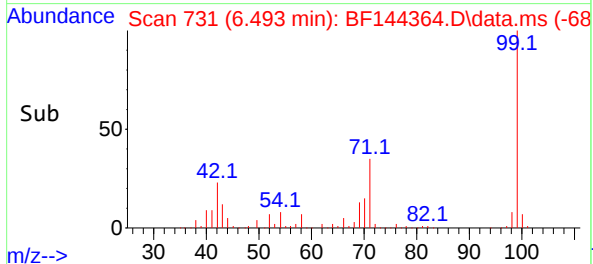
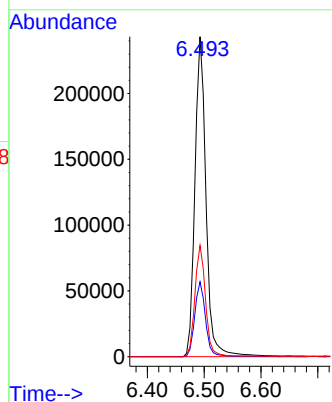
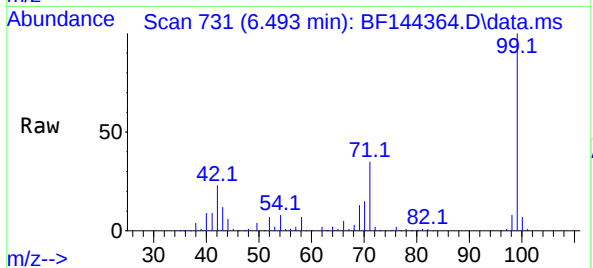




#7
Phenol-d6
Concen: 72.858 ng
RT: 6.493 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

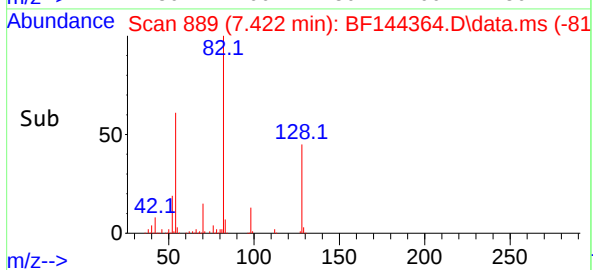
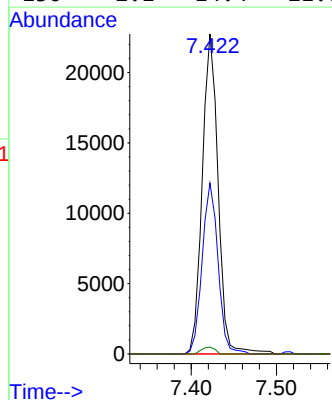
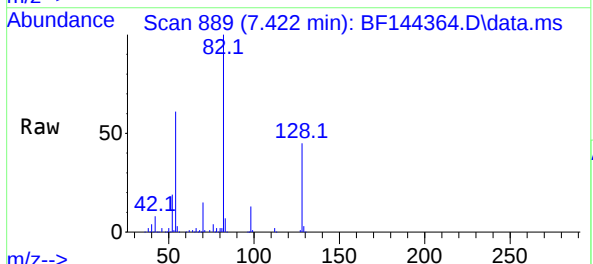
Instrument :
BNA_F
ClientSampleId :
SB-1125-10B

Tgt Ion: 99 Resp: 332328
Ion Ratio Lower Upper
99 100
42 23.4 20.9 31.3
71 34.8 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.778 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

Tgt Ion: 70 Resp: 29362
Ion Ratio Lower Upper
70 100
42 53.4 58.3 87.5#
101 0.0 7.0 10.6#
130 2.1 14.4 21.6#

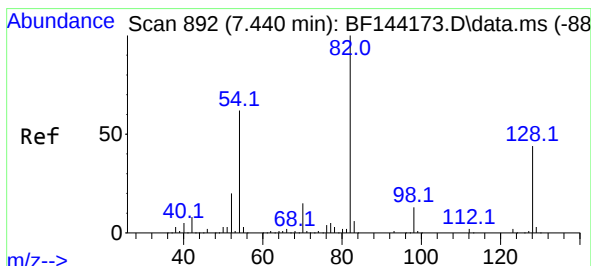
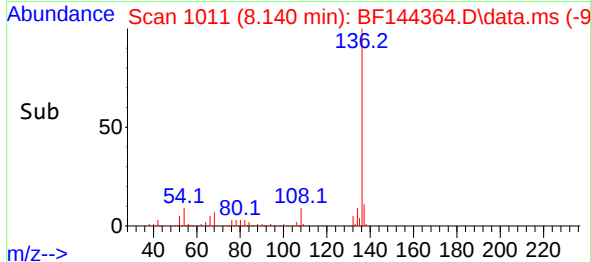
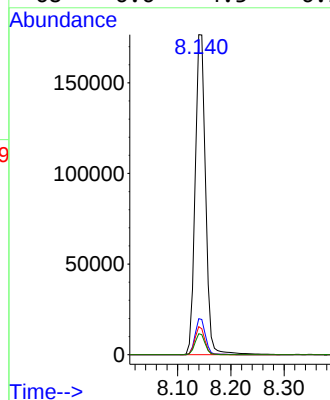
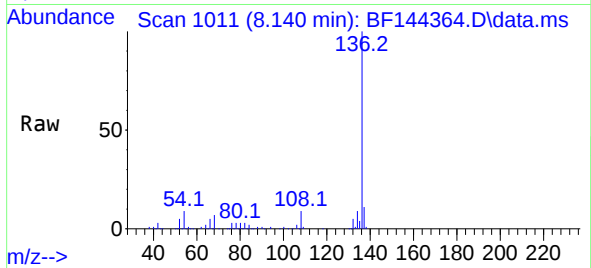




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1014
Delta R.T. -0.018 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

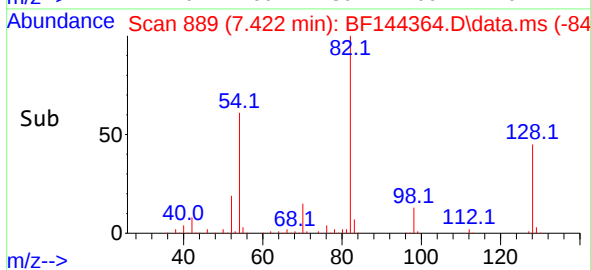
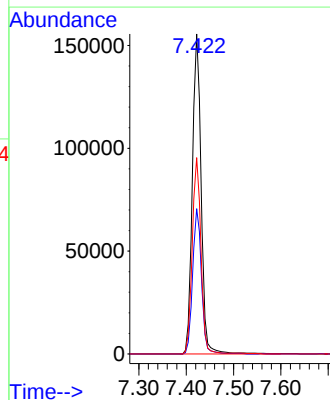
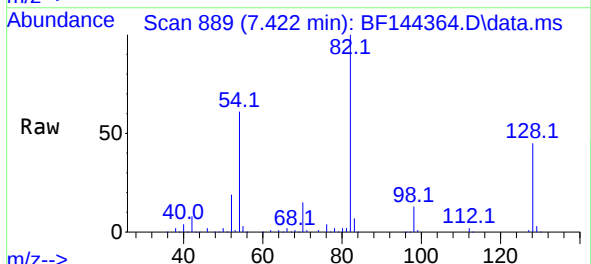
Instrument :
BNA_F
ClientSampleId :
SB-1125-10B

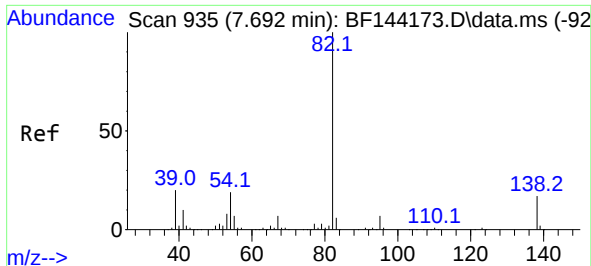
Tgt Ion:136 Resp: 238733
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.7 7.0 10.6
68 6.6 4.3 6.5#



#23
Nitrobenzene-d5
Concen: 48.733 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

Tgt Ion: 82 Resp: 201440
Ion Ratio Lower Upper
82 100
128 45.4 34.7 52.1
54 61.4 49.5 74.3

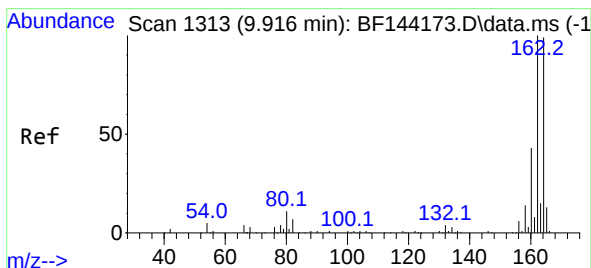
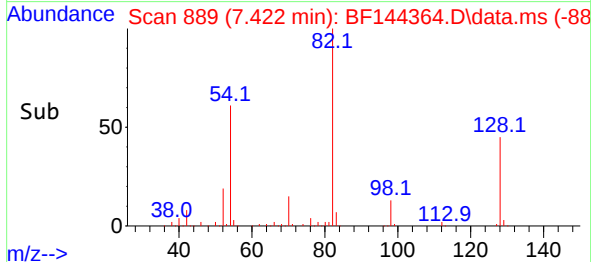
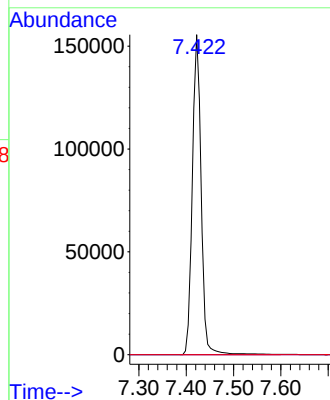
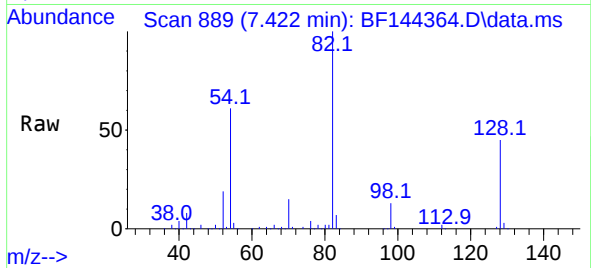




#25
Isophorone
Concen: 25.764 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

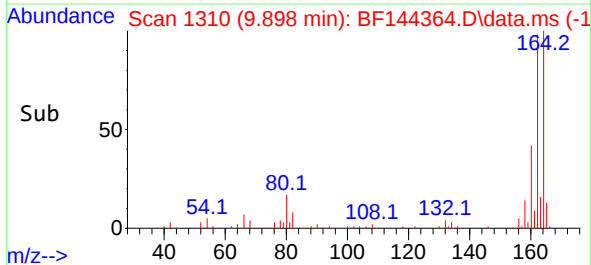
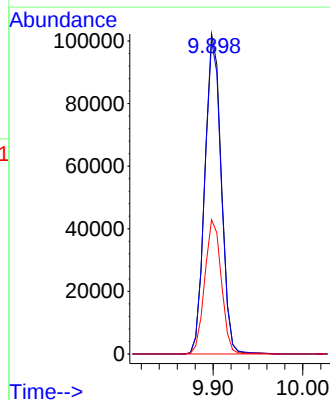
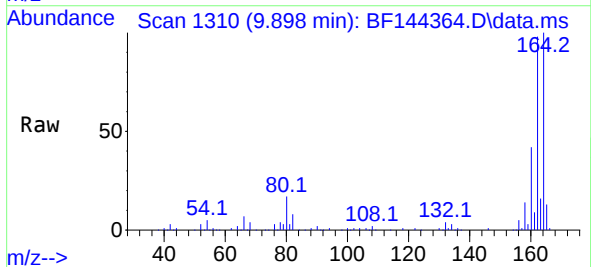
Instrument :
BNA_F
ClientSampleId :
SB-1125-10B

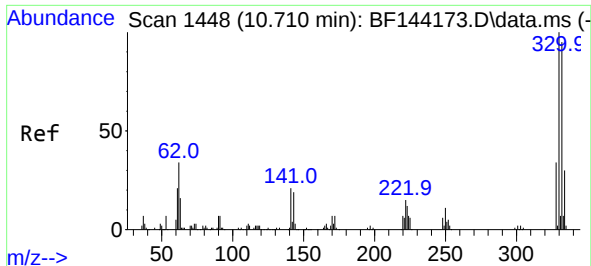
Tgt Ion: 82 Resp: 201440
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

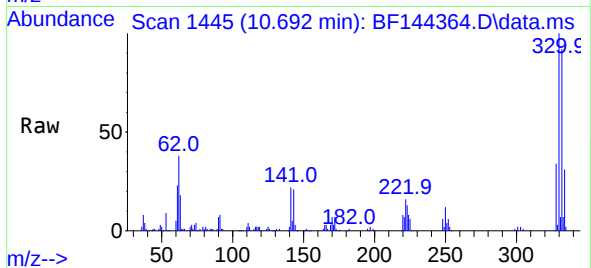
Tgt Ion:164 Resp: 129698
Ion Ratio Lower Upper
164 100
162 97.9 81.1 121.7
160 41.9 34.5 51.7



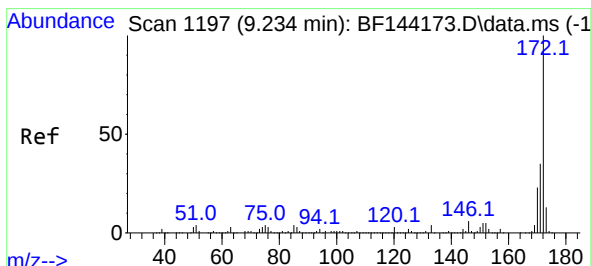
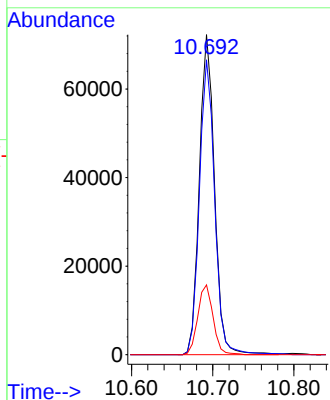
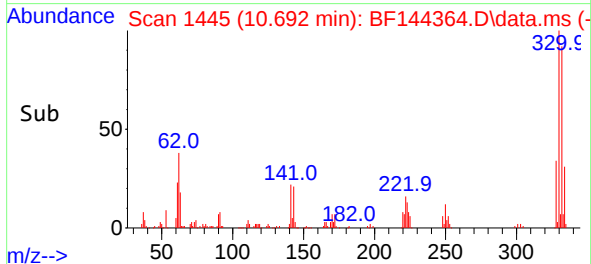


#42
2,4,6-Tribromophenol
Concen: 57.489 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

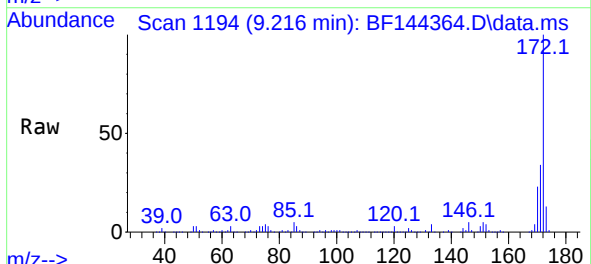
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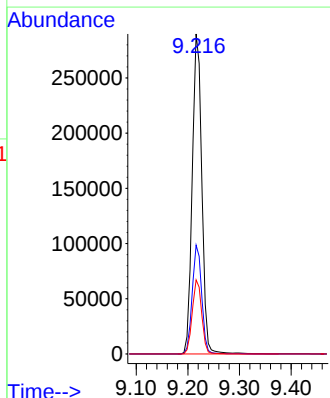
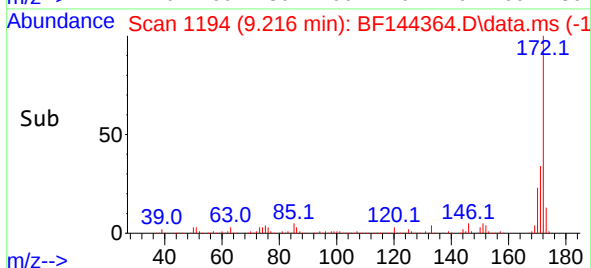
Tgt Ion:330 Resp: 93567
Ion Ratio Lower Upper
330 100
332 93.1 76.7 115.1
141 22.0 17.8 26.8

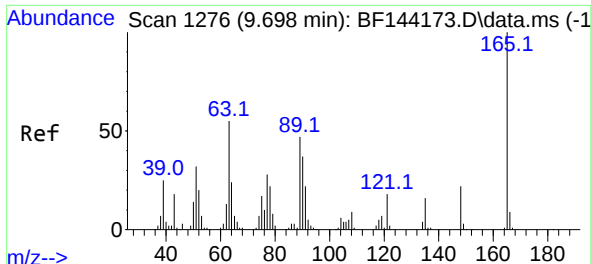


#45
2-Fluorobiphenyl
Concen: 42.532 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42



Tgt Ion:172 Resp: 373494
Ion Ratio Lower Upper
172 100
171 34.0 28.1 42.1
170 23.2 18.6 28.0

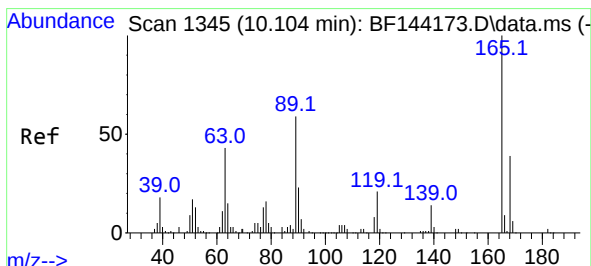
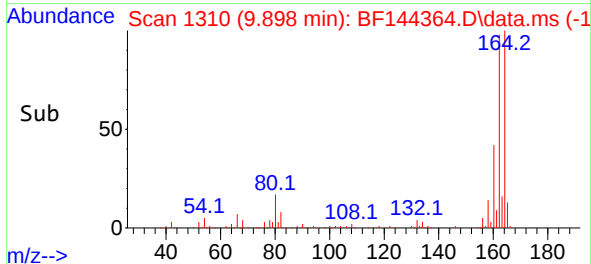
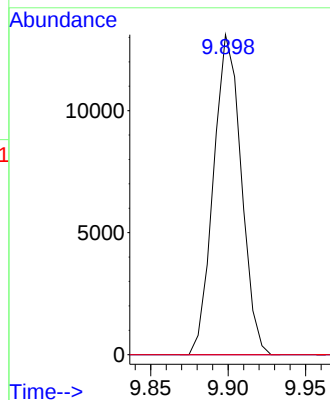
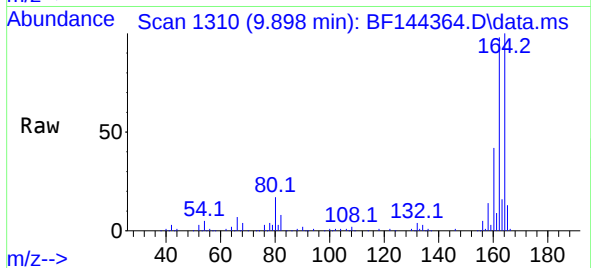




#51
2,6-Dinitrotoluene
Concen: 9.383 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

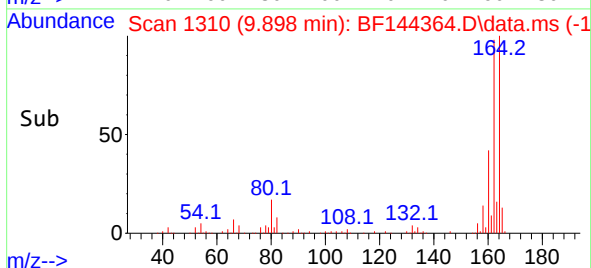
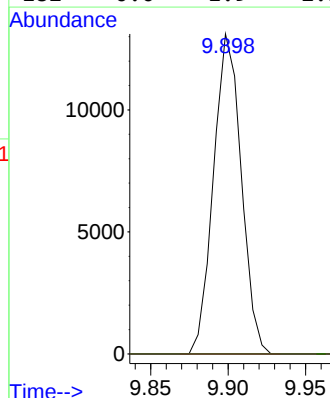
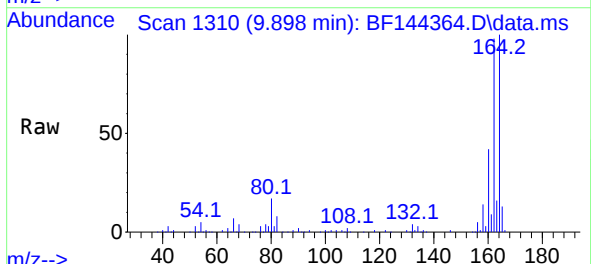
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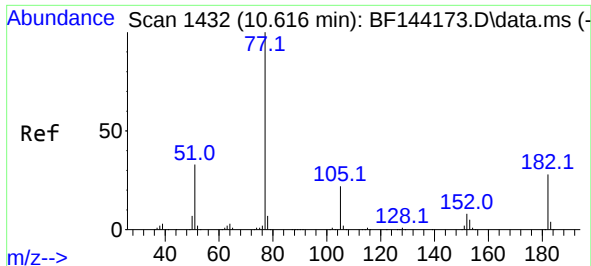
Tgt Ion:165 Resp: 16320
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 7.009 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

Tgt Ion:165 Resp: 16320
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#

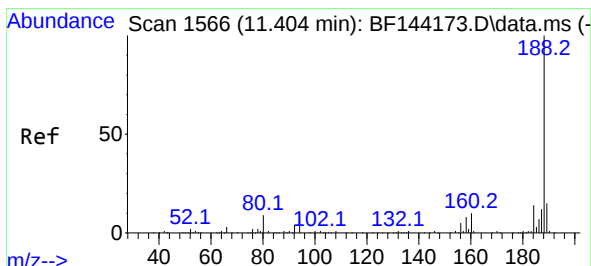
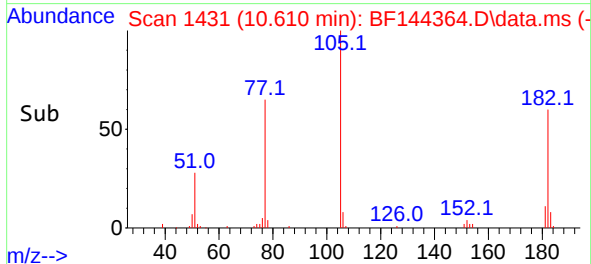
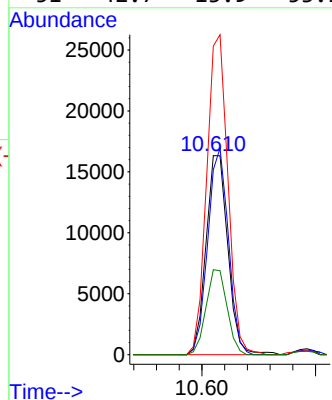
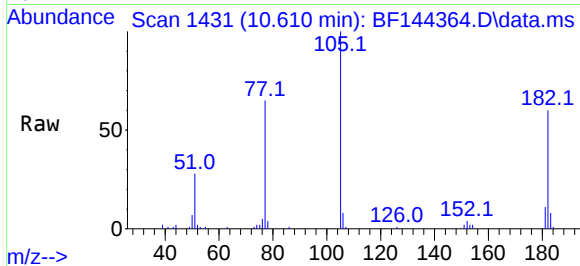




#63
Azobenzene
Concen: 2.960 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

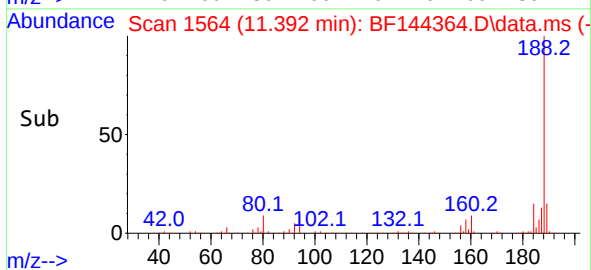
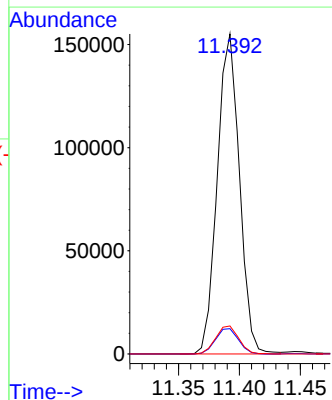
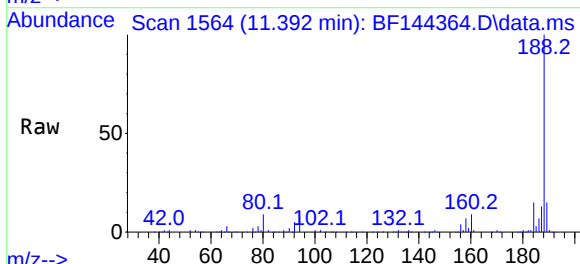
Instrument :
BNA_F
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SB-1125-10B

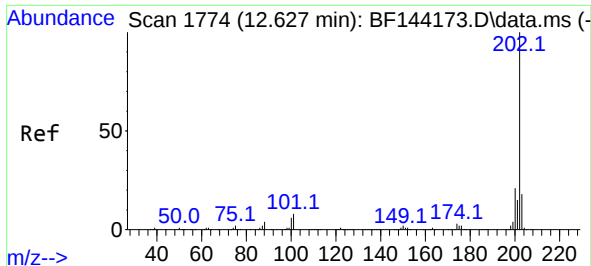
Tgt Ion: 77 Resp: 21823
Ion Ratio Lower Upper
77 100
182 92.9 8.1 48.1#
105 155.0 2.0 42.0#
51 42.7 13.9 53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

Tgt Ion:188 Resp: 196600
Ion Ratio Lower Upper
188 100
94 7.9 6.2 9.2
80 8.7 6.9 10.3

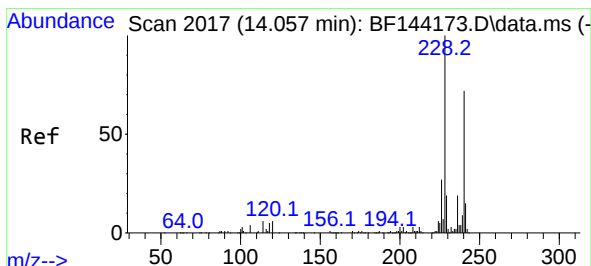
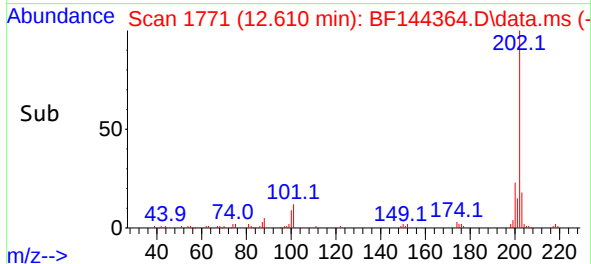
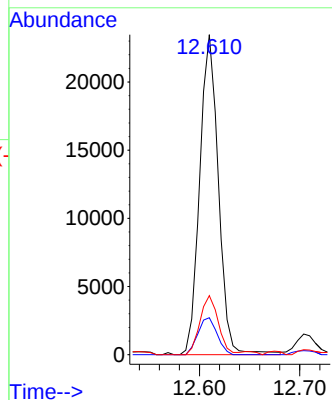
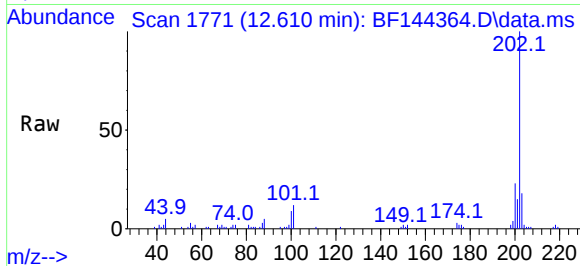




#75
Fluoranthene
Concen: 3.021 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

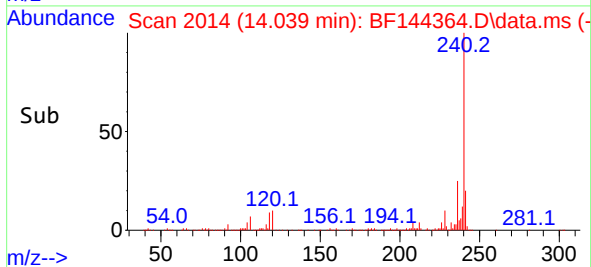
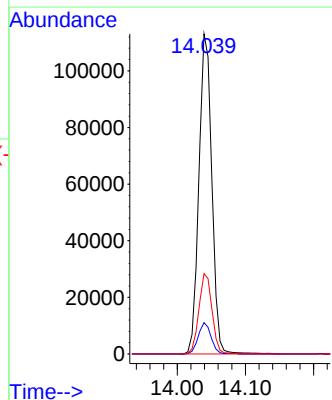
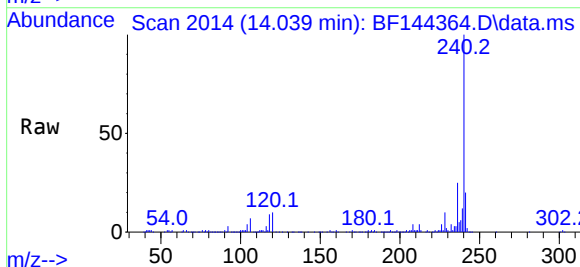
Instrument :
BNA_F
ClientSampleId :
SB-1125-10B

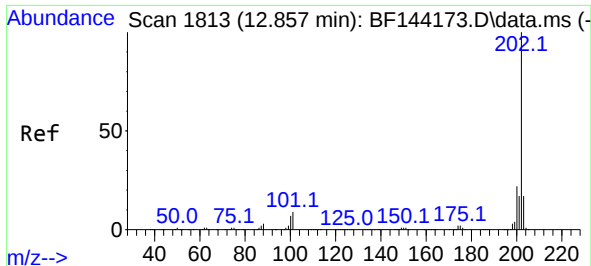
Tgt Ion:202 Resp: 30550
Ion Ratio Lower Upper
202 100
101 11.6 0.0 27.9
203 18.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

Tgt Ion:240 Resp: 148954
Ion Ratio Lower Upper
240 100
120 9.8 6.6 10.0
236 25.1 21.4 32.2

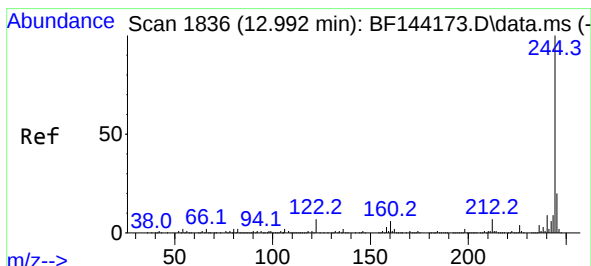
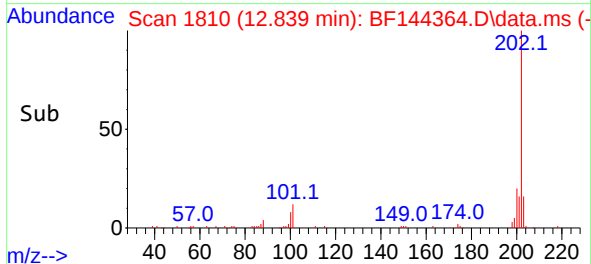
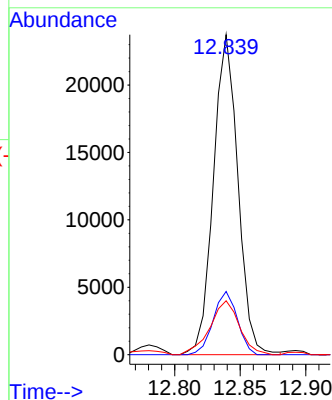
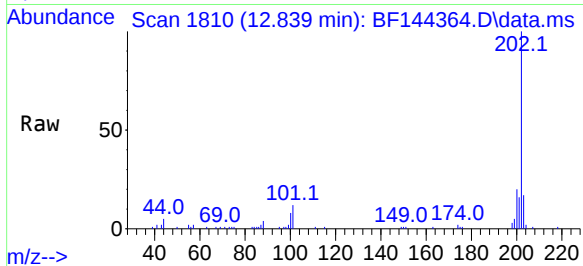




#78
Pyrene
Concen: 2.565 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

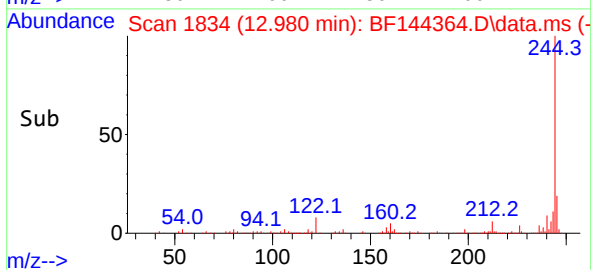
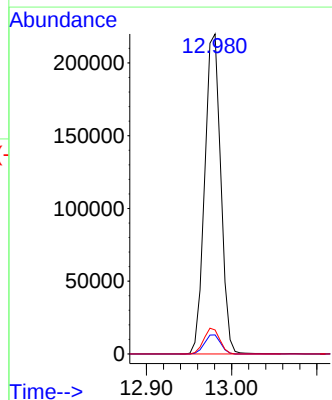
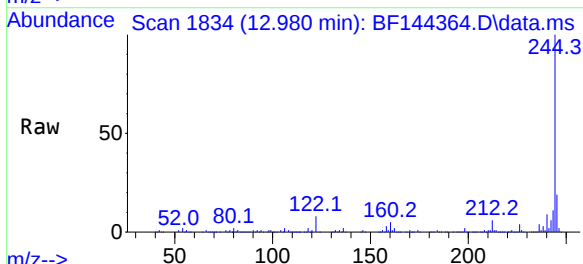
Instrument :
BNA_F
ClientSampleId :
SB-1125-10B

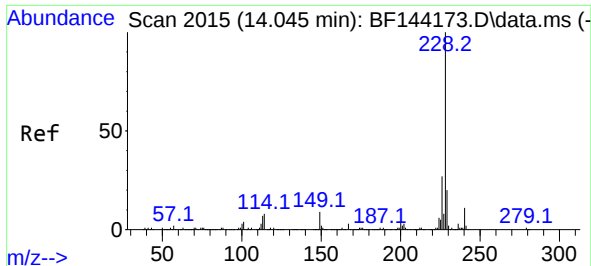
Tgt Ion:202 Resp: 30810
Ion Ratio Lower Upper
202 100
200 19.7 17.2 25.8
203 16.9 13.7 20.5



#79
Terphenyl-d14
Concen: 30.649 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

Tgt Ion:244 Resp: 287415
Ion Ratio Lower Upper
244 100
212 6.0 5.3 7.9
122 7.5 5.6 8.4

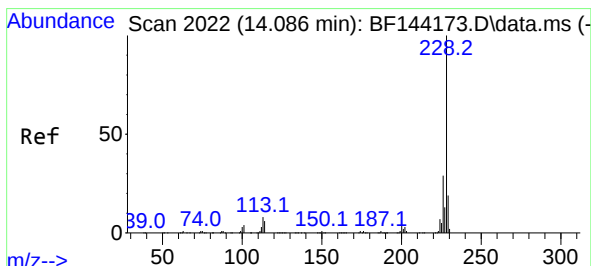
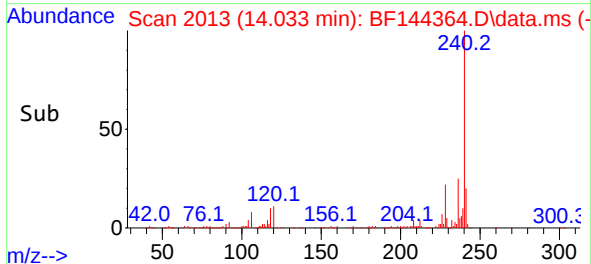
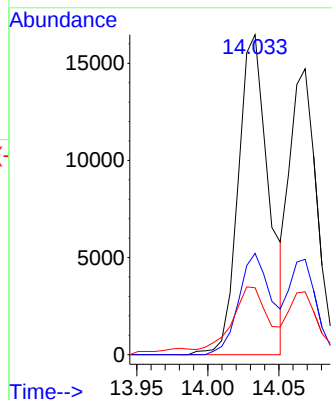
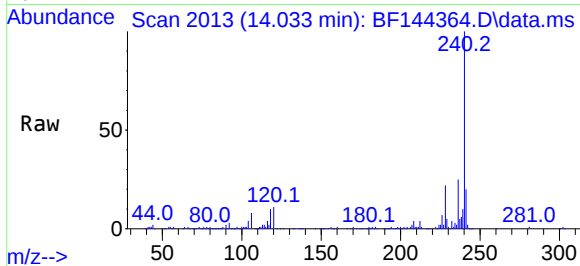




#81
Benzo(a)anthracene
Concen: 2.377 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

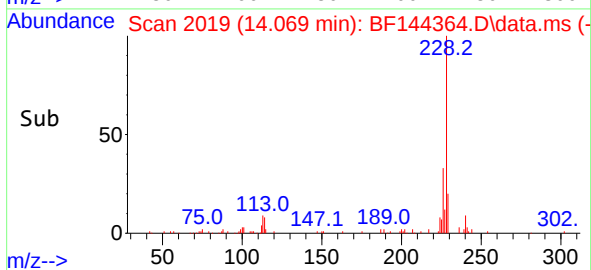
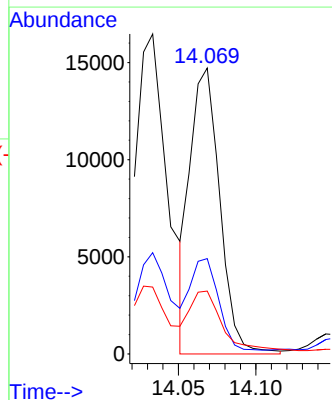
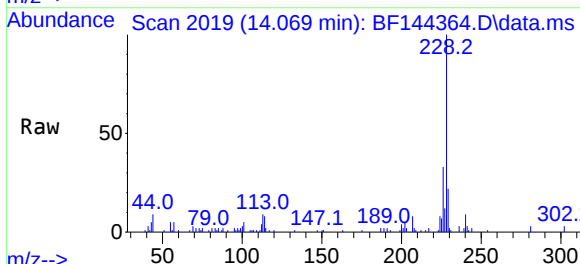
Instrument :
BNA_F
ClientSampleId :
SB-1125-10B

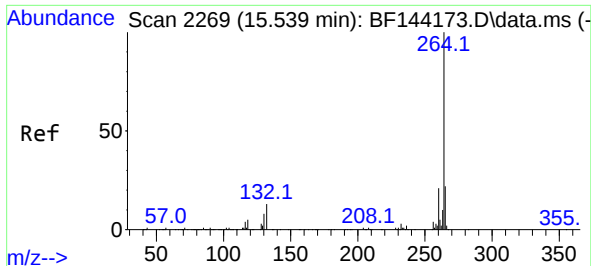
Tgt Ion:228 Resp: 24537
Ion Ratio Lower Upper
228 100
226 31.7 21.8 32.8
229 20.9 15.8 23.6



#83
Chrysene
Concen: 2.058 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

Tgt Ion:228 Resp: 19609
Ion Ratio Lower Upper
228 100
226 33.4 22.9 34.3
229 22.0 15.0 22.6

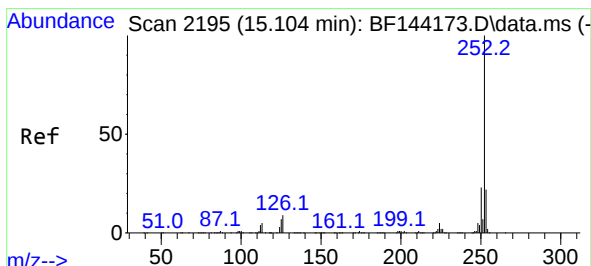
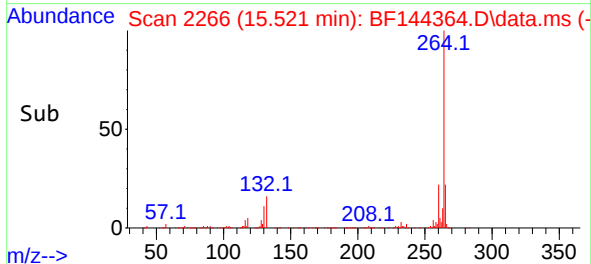
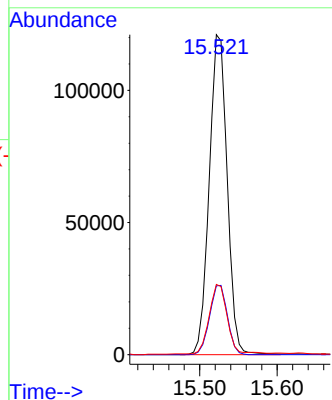
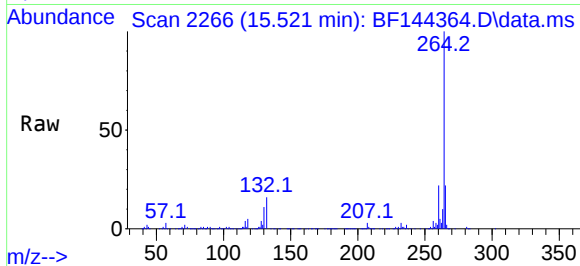




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2193
Delta R.T. -0.018 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

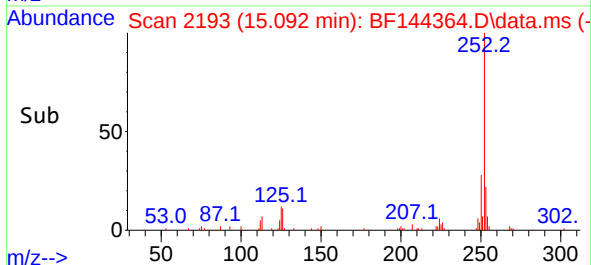
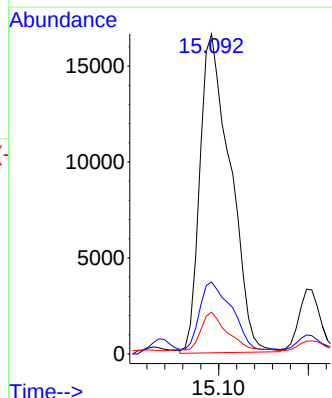
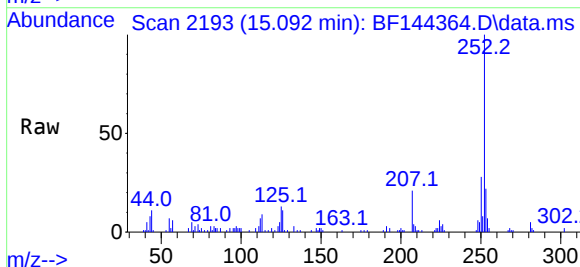
Instrument :
BNA_F
ClientSampleId :
SB-1125-10B

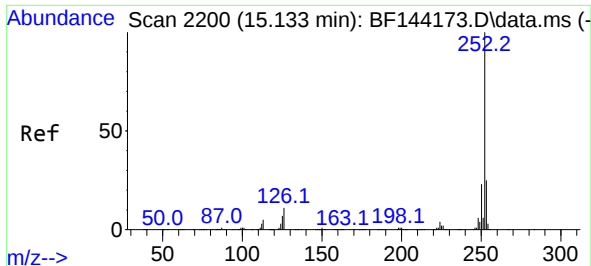
Tgt Ion:264 Resp: 194636
Ion Ratio Lower Upper
264 100
260 21.5 17.1 25.7
265 22.0 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 3.535 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

Tgt Ion:252 Resp: 39114
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 13.1 5.3 7.9#

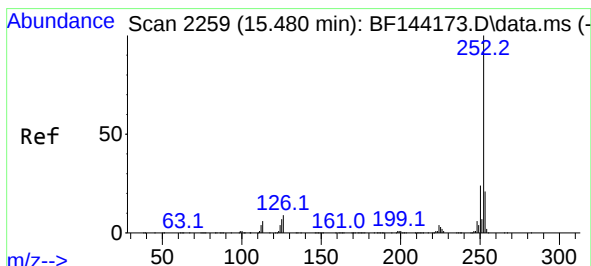
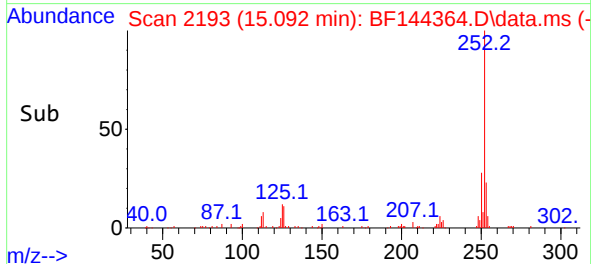
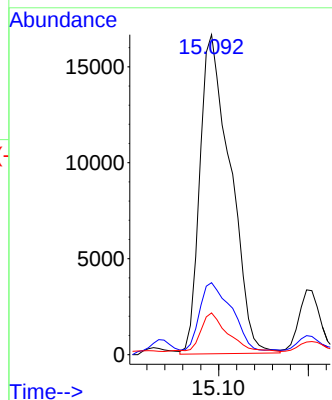
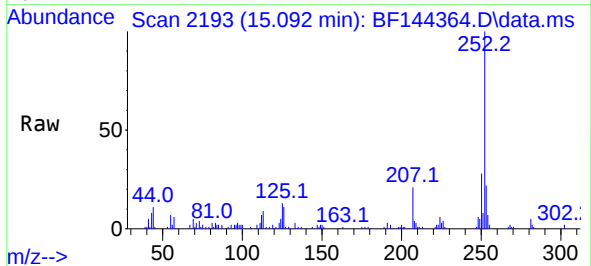




#89
Benzo(k)fluoranthene
Concen: 3.786 ng
RT: 15.092 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

Instrument :
BNA_F
ClientSampleId :
SB-1125-10B

Tgt Ion:252 Resp: 39211
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 13.1 5.4 8.2#



#90
Benzo(a)pyrene
Concen: 2.206 ng
RT: 15.457 min Scan# 2255
Delta R.T. -0.018 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

Tgt Ion:252 Resp: 22518
Ion Ratio Lower Upper
252 100
253 22.0 16.7 25.1
125 10.4 5.7 8.5#

