

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144372.D
 Acq On : 26 Nov 2025 20:43
 Operator : RC/JU
 Sample : Q3719-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-15B

Quant Time: Nov 27 00:52:28 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)

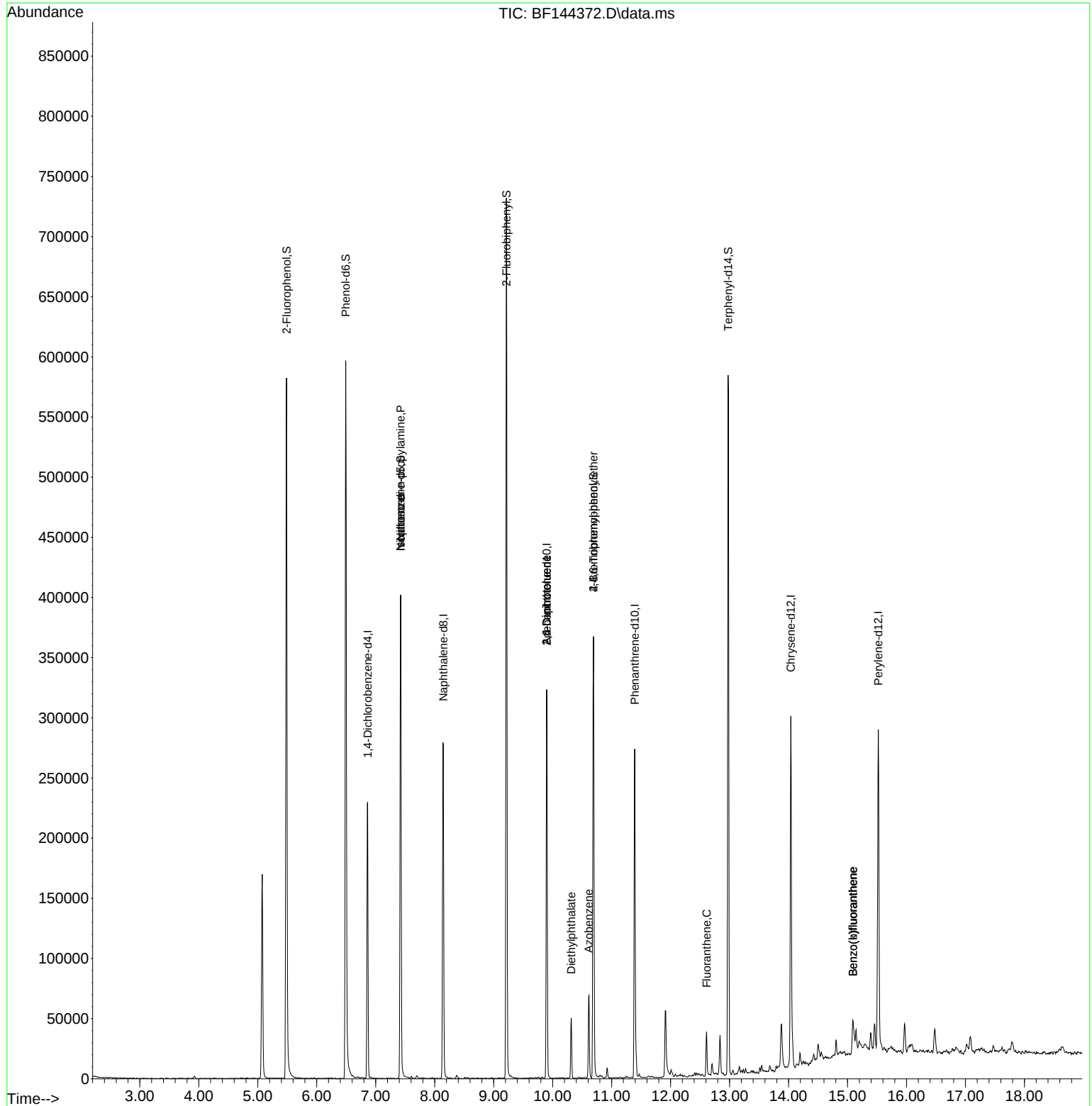
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	53626	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	192855	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	101536	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	151721	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	135074	20.000	ng	#-0.01
86) Perylene-d12	15.521	264	162516	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	249283	72.744	ng	0.00
7) Phenol-d6	6.492	99	277195	71.389	ng	0.00
23) Nitrobenzene-d5	7.422	82	169142	50.654	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	75847	59.527	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	349816	50.884	ng	-0.01
79) Terphenyl-d14	12.974	244	316379	37.205	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	24913	9.746	ng	# 76
25) Isophorone	7.422	82	169140	26.779	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	12837	9.427	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	12837	7.042	ng	# 27
60) Diethylphthalate	10.316	149	26343	4.248	ng	97
63) Azobenzene	10.610	77	18335	3.177	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	4694	2.424	ng	# 1
75) Fluoranthene	12.610	202	22420	2.873	ng	95
88) Benzo(b)fluoranthene	15.092	252	24170	2.616	ng	# 95
89) Benzo(k)fluoranthene	15.092	252	24170	2.795	ng	# 96

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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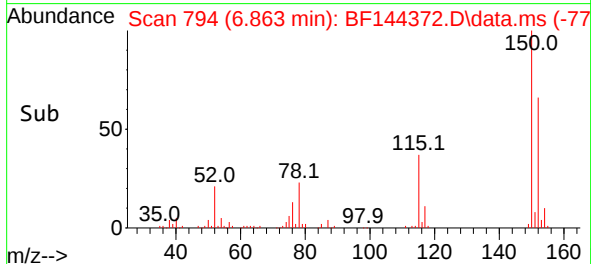
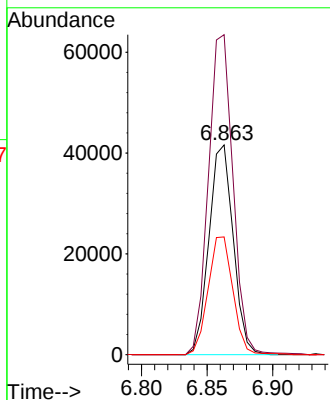
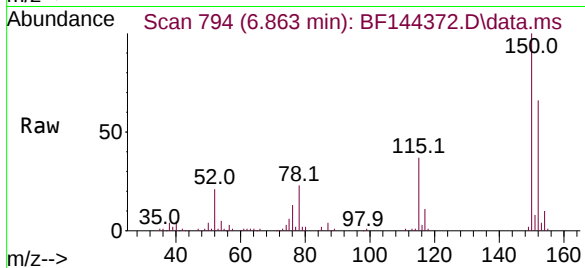




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144372.D
Acq: 26 Nov 2025 20:43

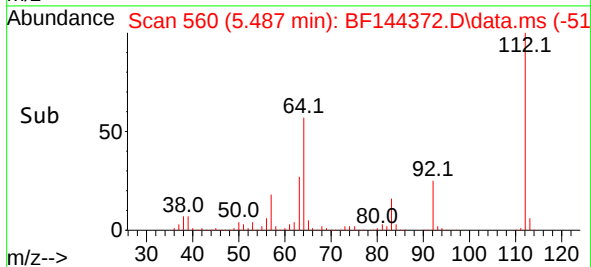
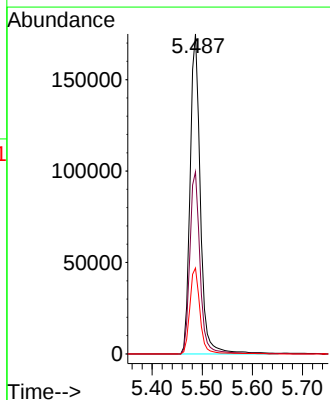
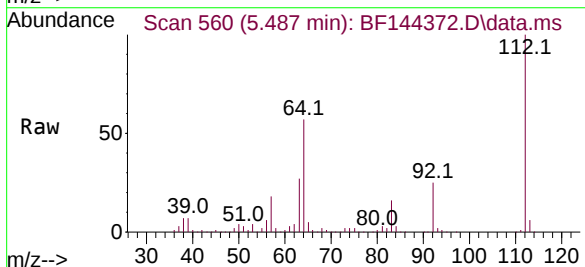
Instrument :
BNA_F
ClientSampleId :
SB-1125-15B

Tgt Ion:152 Resp: 53626
Ion Ratio Lower Upper
152 100
150 152.6 127.4 191.0
115 56.2 49.5 74.3



#5
2-Fluorophenol
Concen: 72.744 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144372.D
Acq: 26 Nov 2025 20:43

Tgt Ion:112 Resp: 249283
Ion Ratio Lower Upper
112 100
64 56.9 47.2 70.8
63 26.8 24.4 36.6

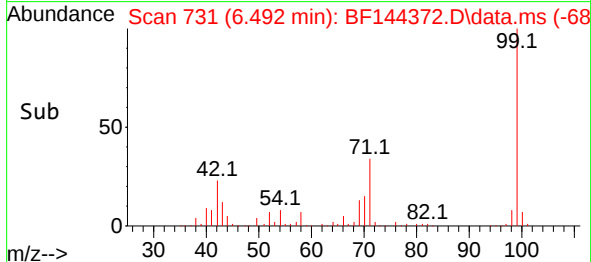
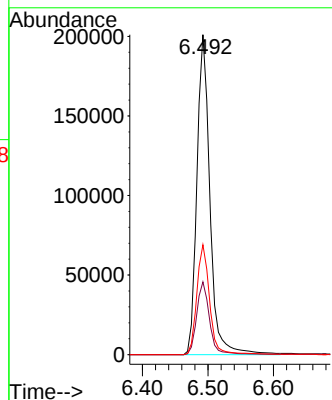
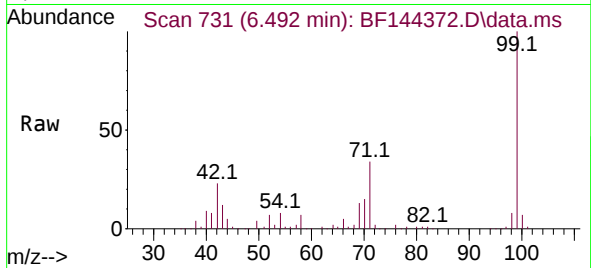




#7
Phenol-d6
Concen: 71.389 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144372.D
Acq: 26 Nov 2025 20:43

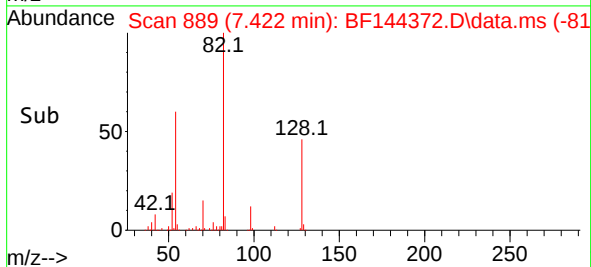
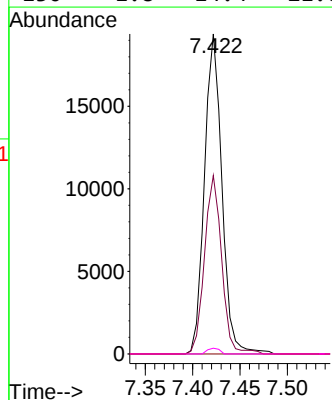
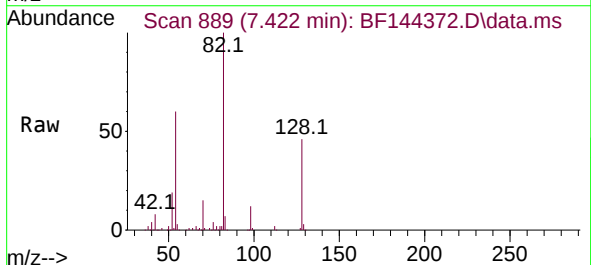
Instrument :
BNA_F
ClientSampleId :
SB-1125-15B

Tgt Ion: 99 Resp: 277195
Ion Ratio Lower Upper
99 100
42 22.7 20.9 31.3
71 34.3 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.746 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144372.D
Acq: 26 Nov 2025 20:43

Tgt Ion: 70 Resp: 24913
Ion Ratio Lower Upper
70 100
42 55.7 58.3 87.5#
101 0.0 7.0 10.6#
130 1.8 14.4 21.6#

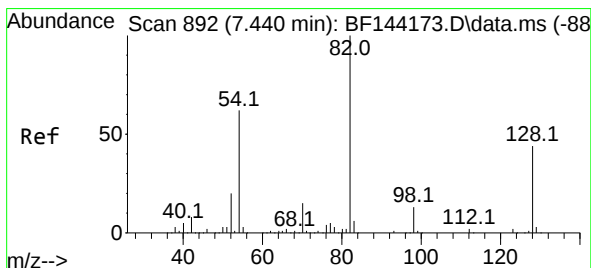
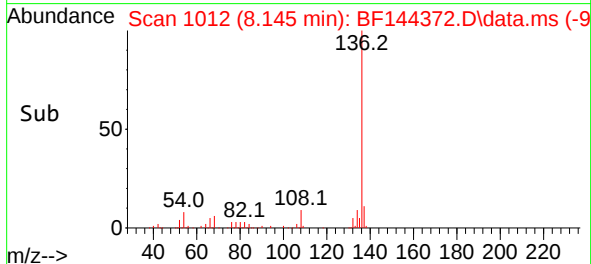
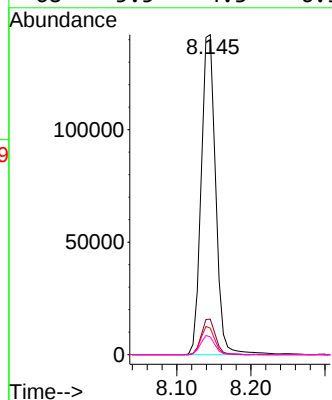
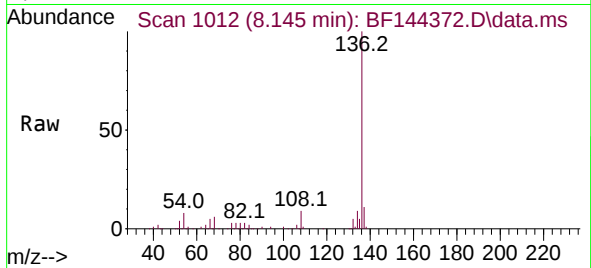




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144372.D
Acq: 26 Nov 2025 20:43

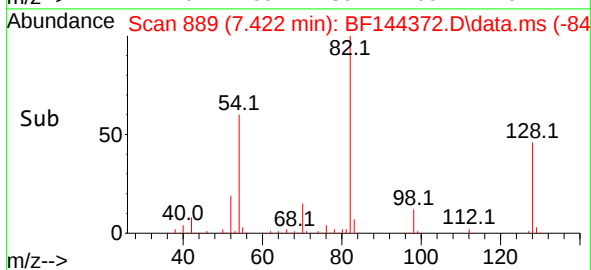
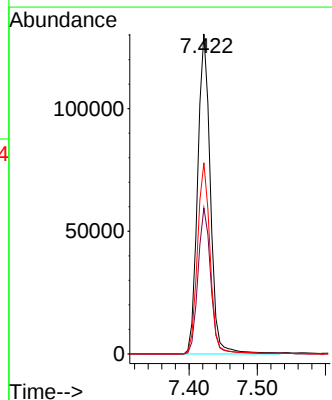
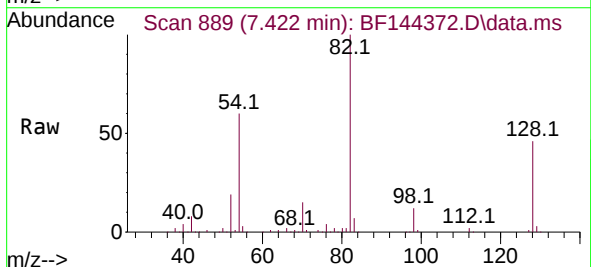
Instrument :
BNA_F
ClientSampleId :
SB-1125-15B

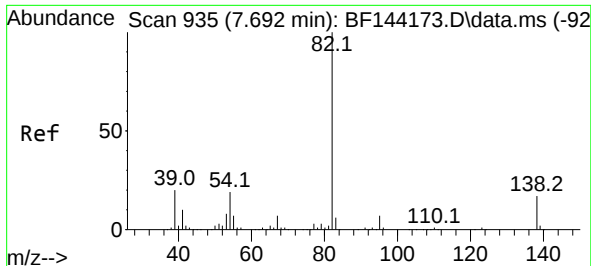
Tgt Ion:136	Resp: 192855
Ion Ratio	Lower Upper
136 100	
137 11.1	8.6 13.0
54 8.3	7.0 10.6
68 5.5	4.3 6.5



#23
Nitrobenzene-d5
Concen: 50.654 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144372.D
Acq: 26 Nov 2025 20:43

Tgt Ion: 82	Resp: 169142
Ion Ratio	Lower Upper
82 100	
128 45.6	34.7 52.1
54 59.7	49.5 74.3

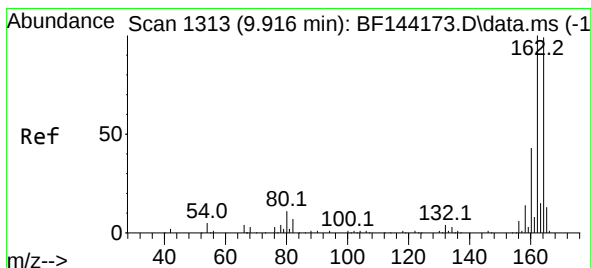
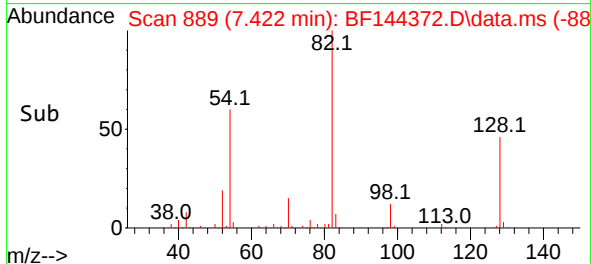
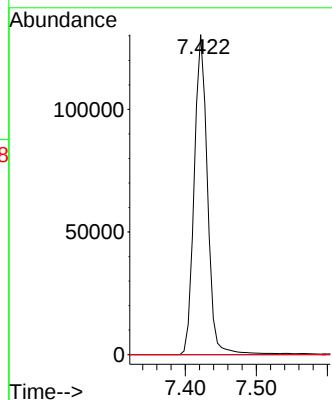
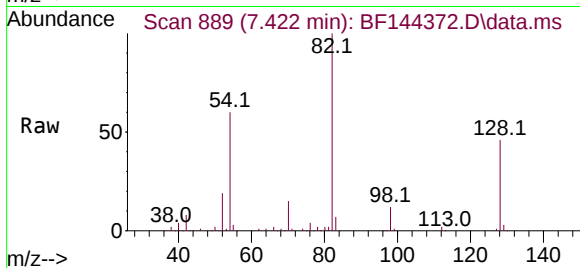




#25
Isophorone
Concen: 26.779 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.265 min
Lab File: BF144372.D
Acq: 26 Nov 2025 20:43

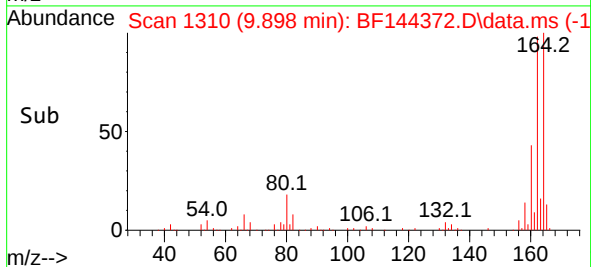
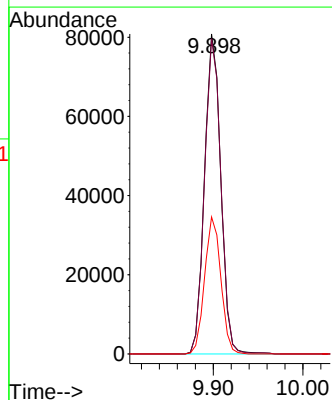
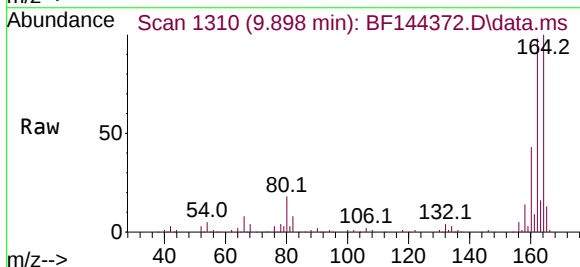
Instrument :
BNA_F
ClientSampleId :
SB-1125-15B

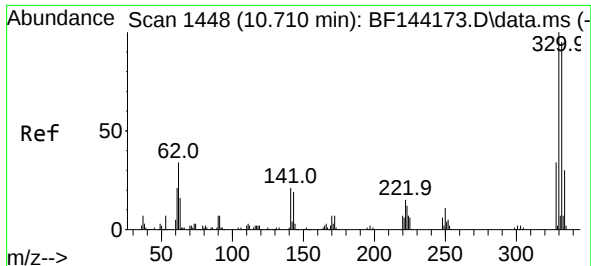
Tgt Ion: 82 Resp: 169140
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144372.D
Acq: 26 Nov 2025 20:43

Tgt Ion: 164 Resp: 101536
Ion Ratio Lower Upper
164 100
162 98.5 81.1 121.7
160 42.8 34.5 51.7

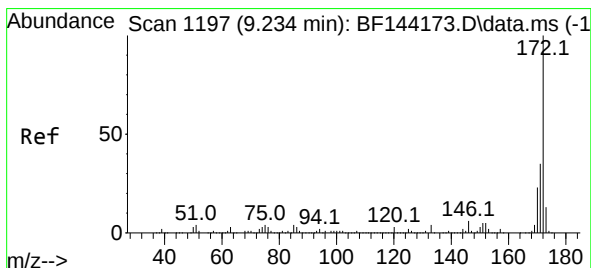
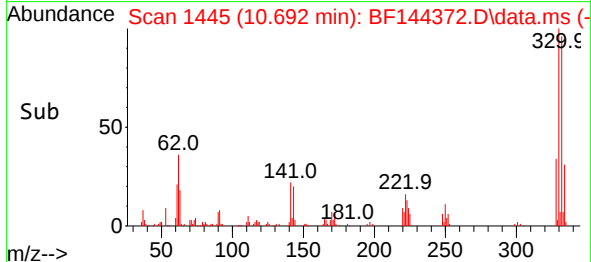
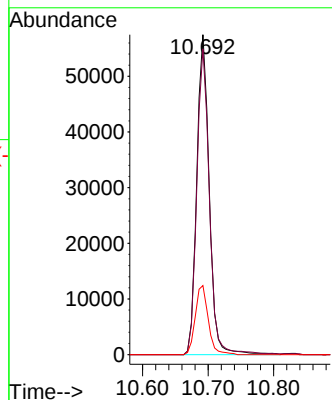
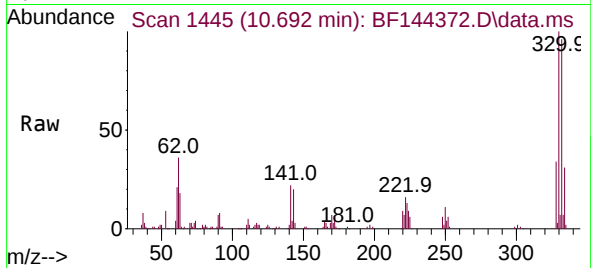




#42
2,4,6-Tribromophenol
Concen: 59.527 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144372.D
Acq: 26 Nov 2025 20:43

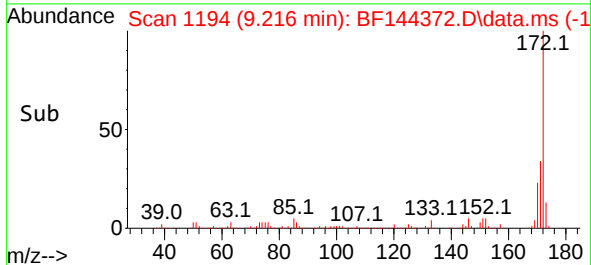
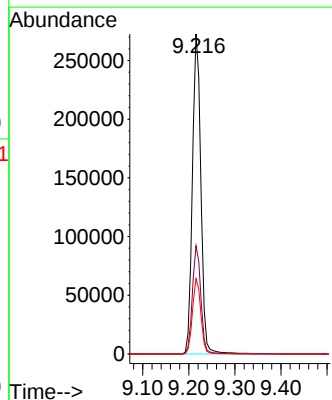
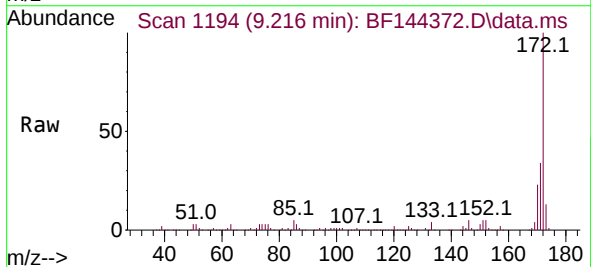
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SB-1125-15B

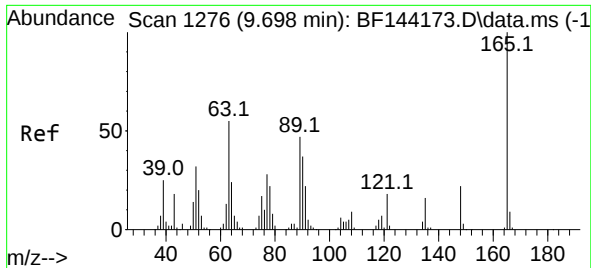
Tgt Ion:330 Resp: 75847
Ion Ratio Lower Upper
330 100
332 97.0 76.7 115.1
141 22.5 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 50.884 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144372.D
Acq: 26 Nov 2025 20:43

Tgt Ion:172 Resp: 349816
Ion Ratio Lower Upper
172 100
171 33.8 28.1 42.1
170 23.5 18.6 28.0

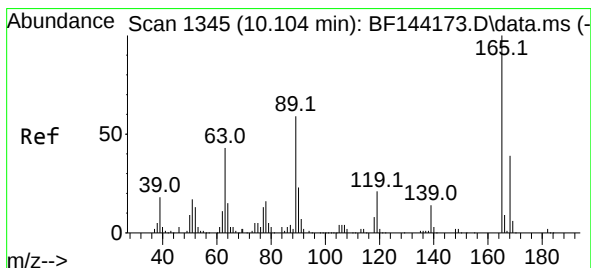
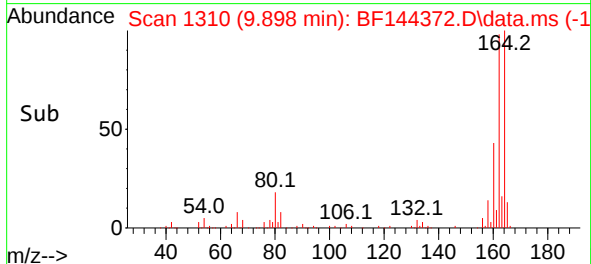
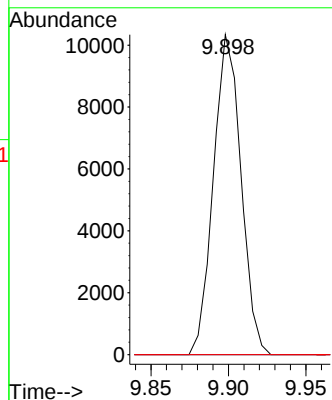
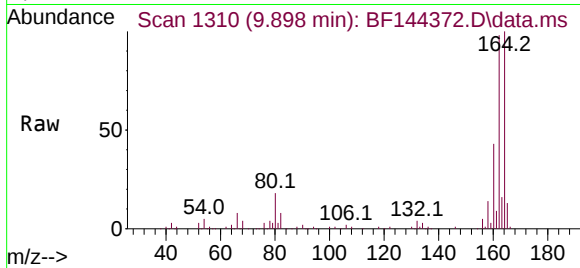




#51
2,6-Dinitrotoluene
Concen: 9.427 ng
RT: 9.898 min Scan# 1310
Delta R.T. 0.206 min
Lab File: BF144372.D
Acq: 26 Nov 2025 20:43

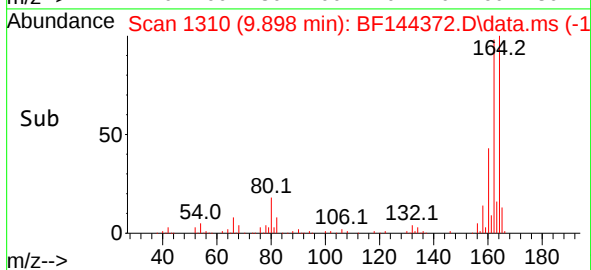
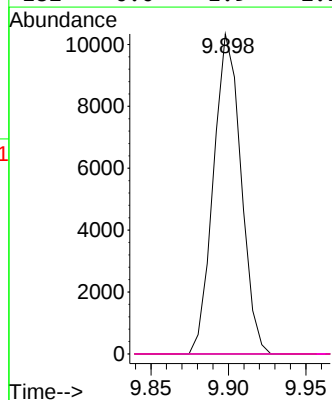
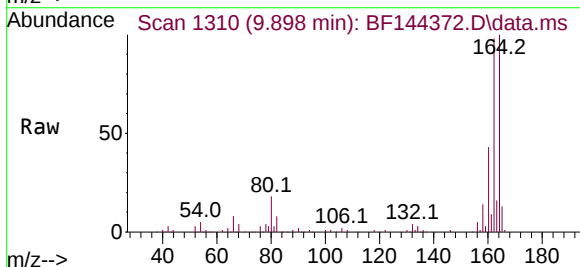
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BNA_F
ClientSampleId :
SB-1125-15B

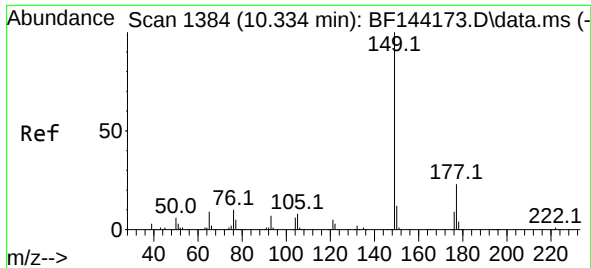
Tgt Ion:165 Resp: 12837
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 7.042 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF144372.D
Acq: 26 Nov 2025 20:43

Tgt Ion:165 Resp: 12837
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#

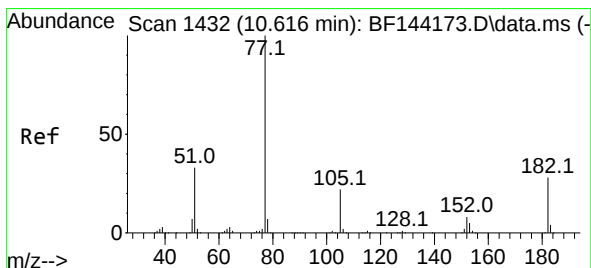
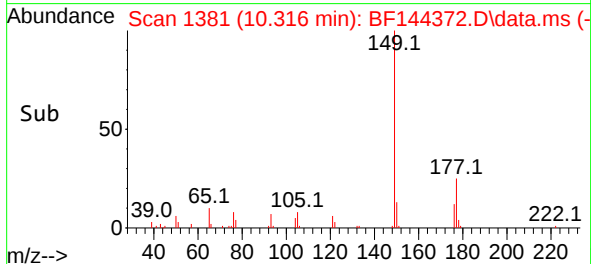
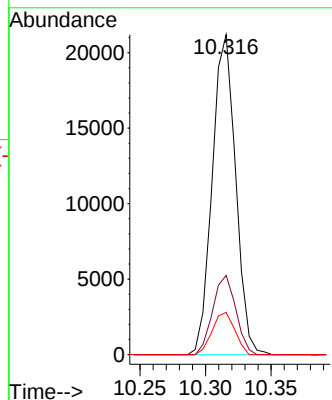
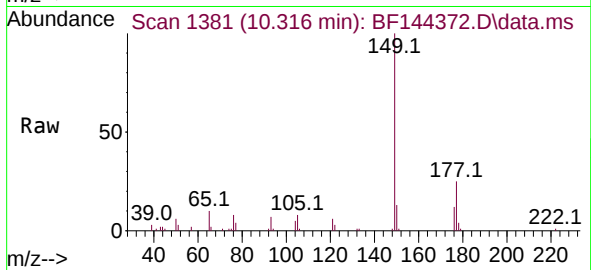




#60
Diethylphthalate
Concen: 4.248 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.012 min
Lab File: BF144372.D
Acq: 26 Nov 2025 20:43

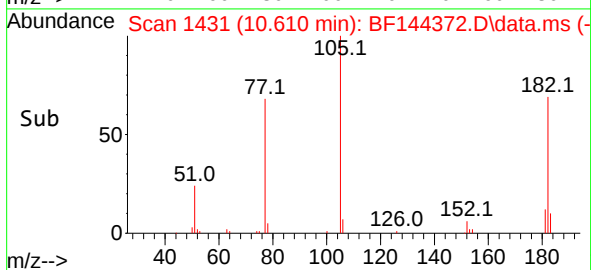
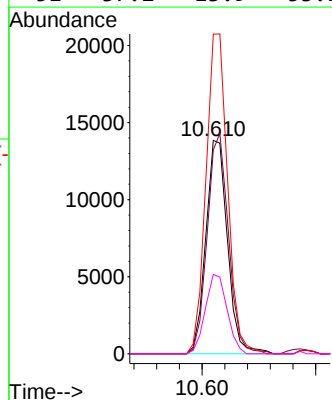
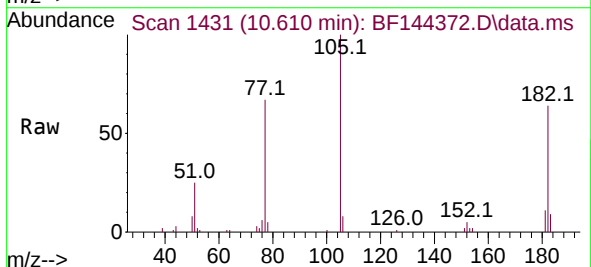
Instrument :
BNA_F
ClientSampleId :
SB-1125-15B

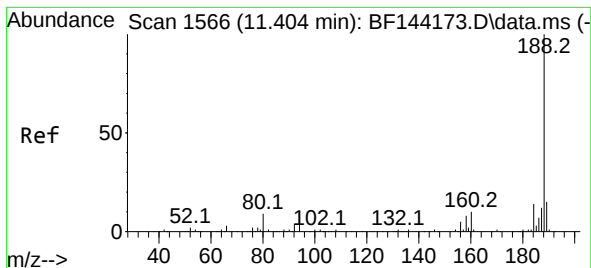
Tgt Ion:149 Resp: 26343
Ion Ratio Lower Upper
149 100
177 24.7 18.3 27.5
150 13.2 9.8 14.6



#63
Azobenzene
Concen: 3.177 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144372.D
Acq: 26 Nov 2025 20:43

Tgt Ion: 77 Resp: 18335
Ion Ratio Lower Upper
77 100
182 95.6 8.1 48.1#
105 149.7 2.0 42.0#
51 37.2 13.9 53.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144372.D

Acq: 26 Nov 2025 20:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-15B

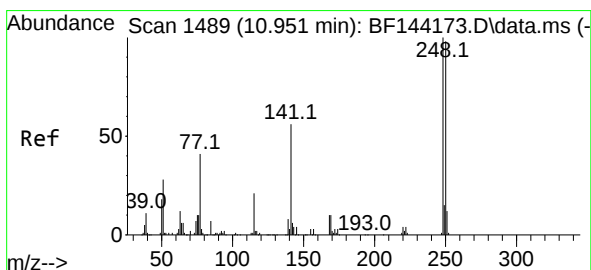
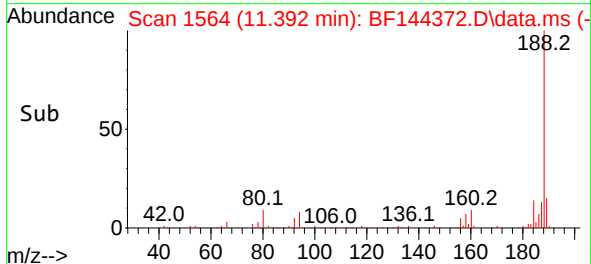
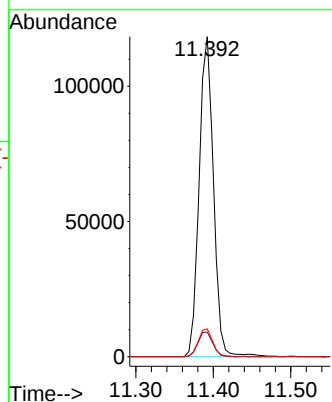
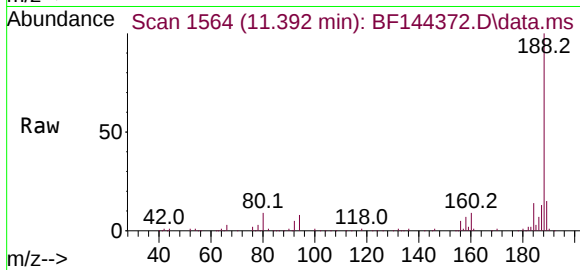
Tgt Ion:188 Resp: 151721

Ion Ratio Lower Upper

188 100

94 7.7 6.2 9.2

80 8.7 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 2.424 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.253 min

Lab File: BF144372.D

Acq: 26 Nov 2025 20:43

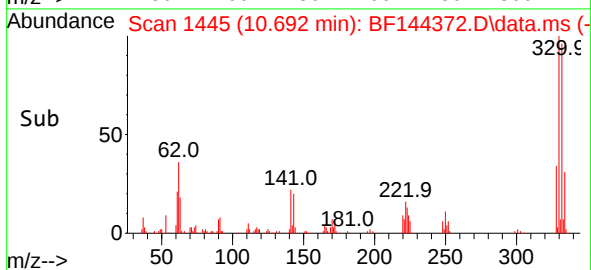
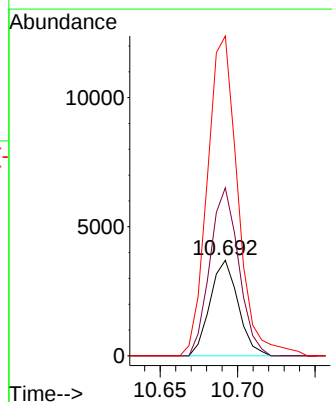
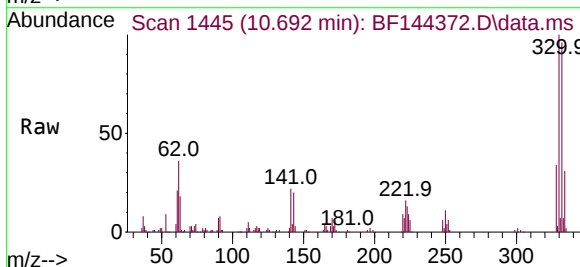
Tgt Ion:248 Resp: 4694

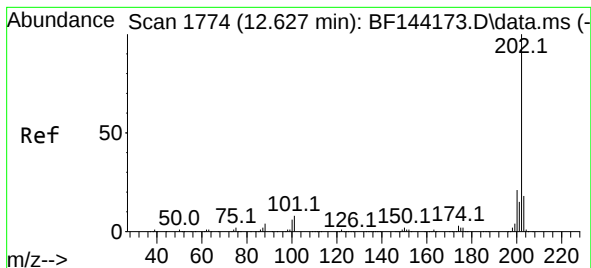
Ion Ratio Lower Upper

248 100

250 175.8 78.4 117.6#

141 334.7 45.1 67.7#





#75

Fluoranthene

Concen: 2.873 ng

RT: 12.610 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144372.D

Acq: 26 Nov 2025 20:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-15B

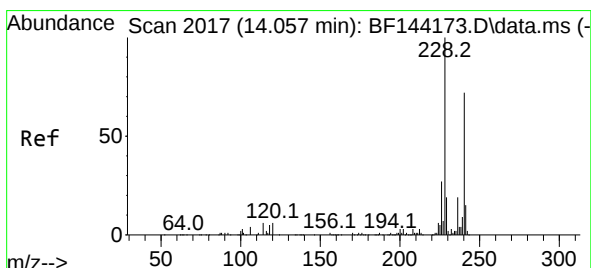
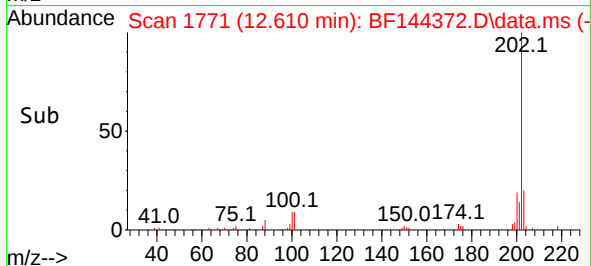
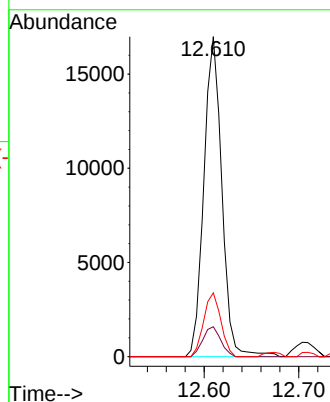
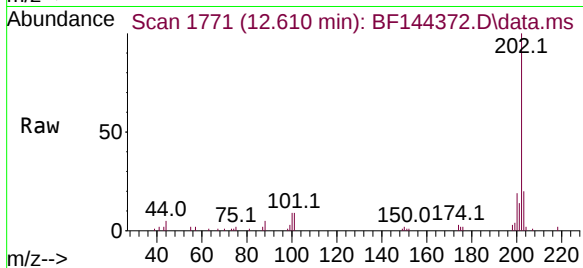
Tgt Ion:202 Resp: 22420

Ion Ratio Lower Upper

202 100

101 9.3 0.0 27.9

203 19.9 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: BF144372.D

Acq: 26 Nov 2025 20:43

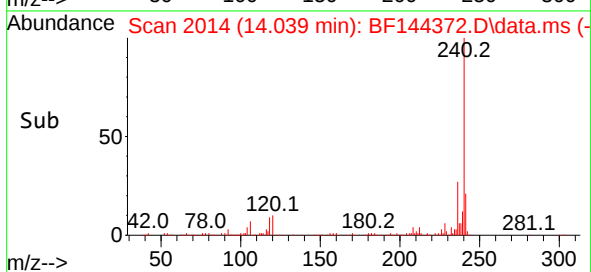
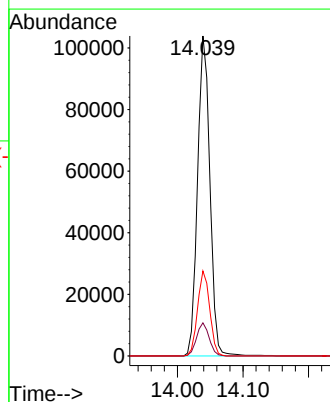
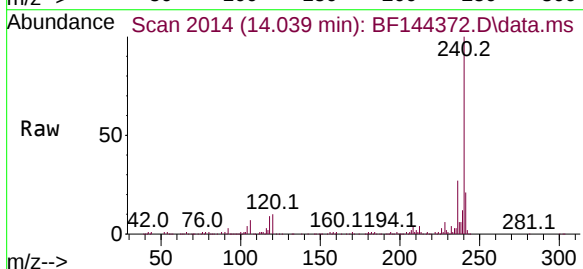
Tgt Ion:240 Resp: 135074

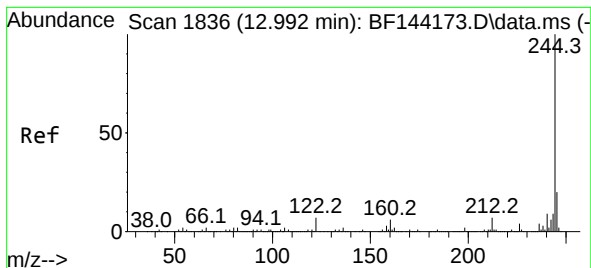
Ion Ratio Lower Upper

240 100

120 10.3 6.6 10.0#

236 26.5 21.4 32.2





#79

Terphenyl-d14

Concen: 37.205 ng

RT: 12.974 min Scan# 1833

Delta R.T. -0.018 min

Lab File: BF144372.D

Acq: 26 Nov 2025 20:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-15B

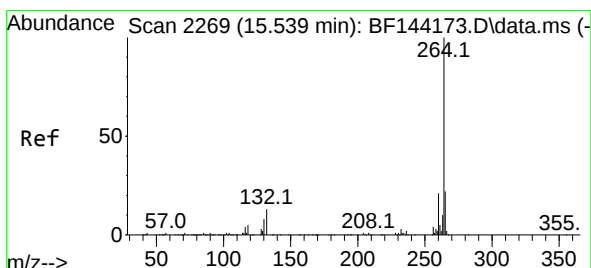
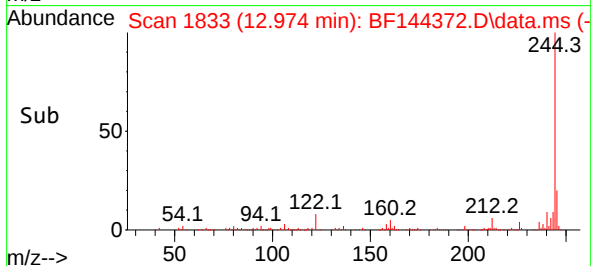
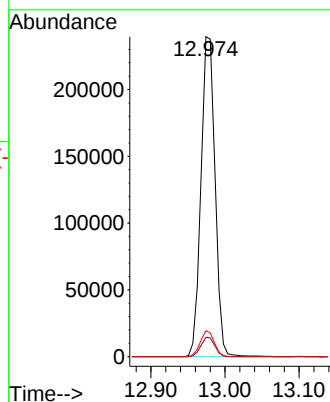
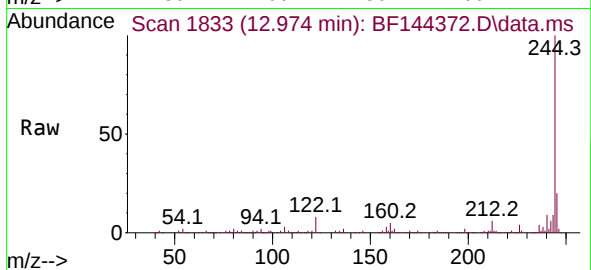
Tgt Ion:244 Resp: 316379

Ion Ratio Lower Upper

244 100

212 6.0 5.3 7.9

122 8.1 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF144372.D

Acq: 26 Nov 2025 20:43

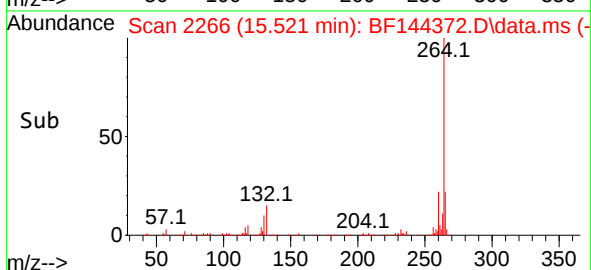
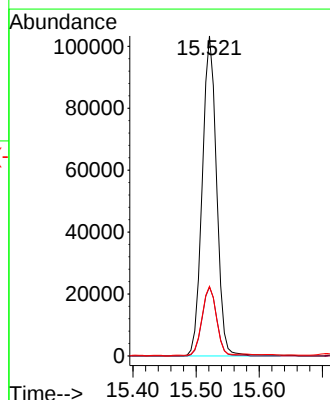
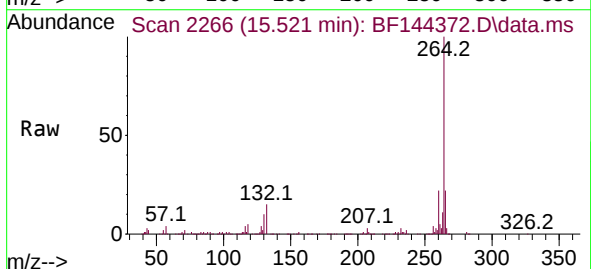
Tgt Ion:264 Resp: 162516

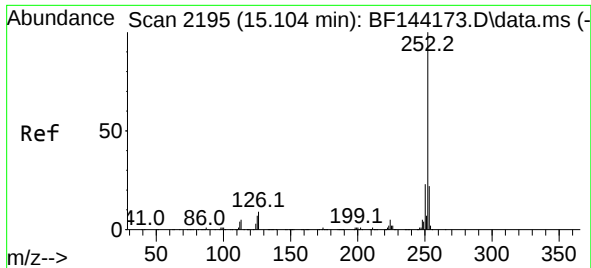
Ion Ratio Lower Upper

264 100

260 21.5 17.1 25.7

265 21.7 17.4 26.0

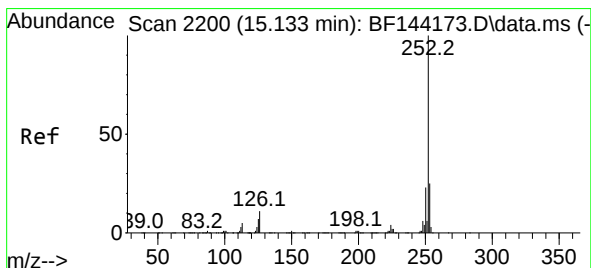
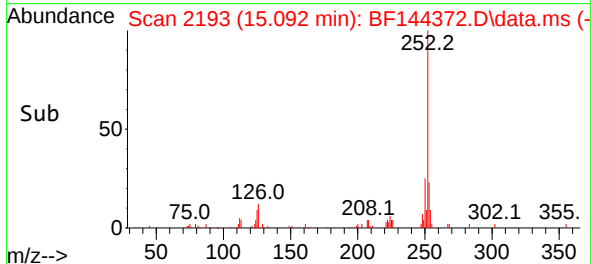
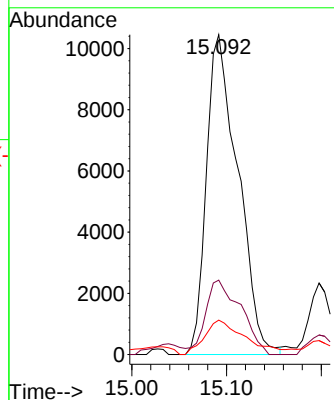
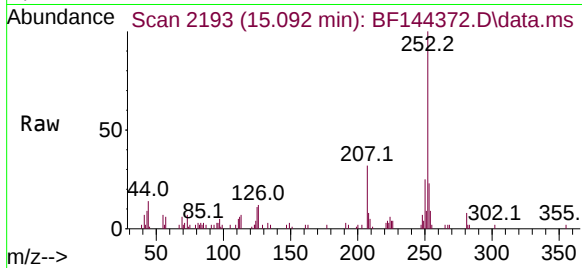




#88
Benzo(b)fluoranthene
Concen: 2.616 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144372.D
Acq: 26 Nov 2025 20:43

Instrument :
BNA_F
ClientSampleId :
SB-1125-15B

Tgt Ion:252 Resp: 24170
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 10.8 5.3 7.9#



#89
Benzo(k)fluoranthene
Concen: 2.795 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.036 min
Lab File: BF144372.D
Acq: 26 Nov 2025 20:43

Tgt Ion:252 Resp: 24170
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 10.8 5.4 8.2#

