

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
 Data File : BF144272.D
 Acq On : 17 Nov 2025 17:28
 Operator : RC/JU
 Sample : Q3649-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 17 17:50:03 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)

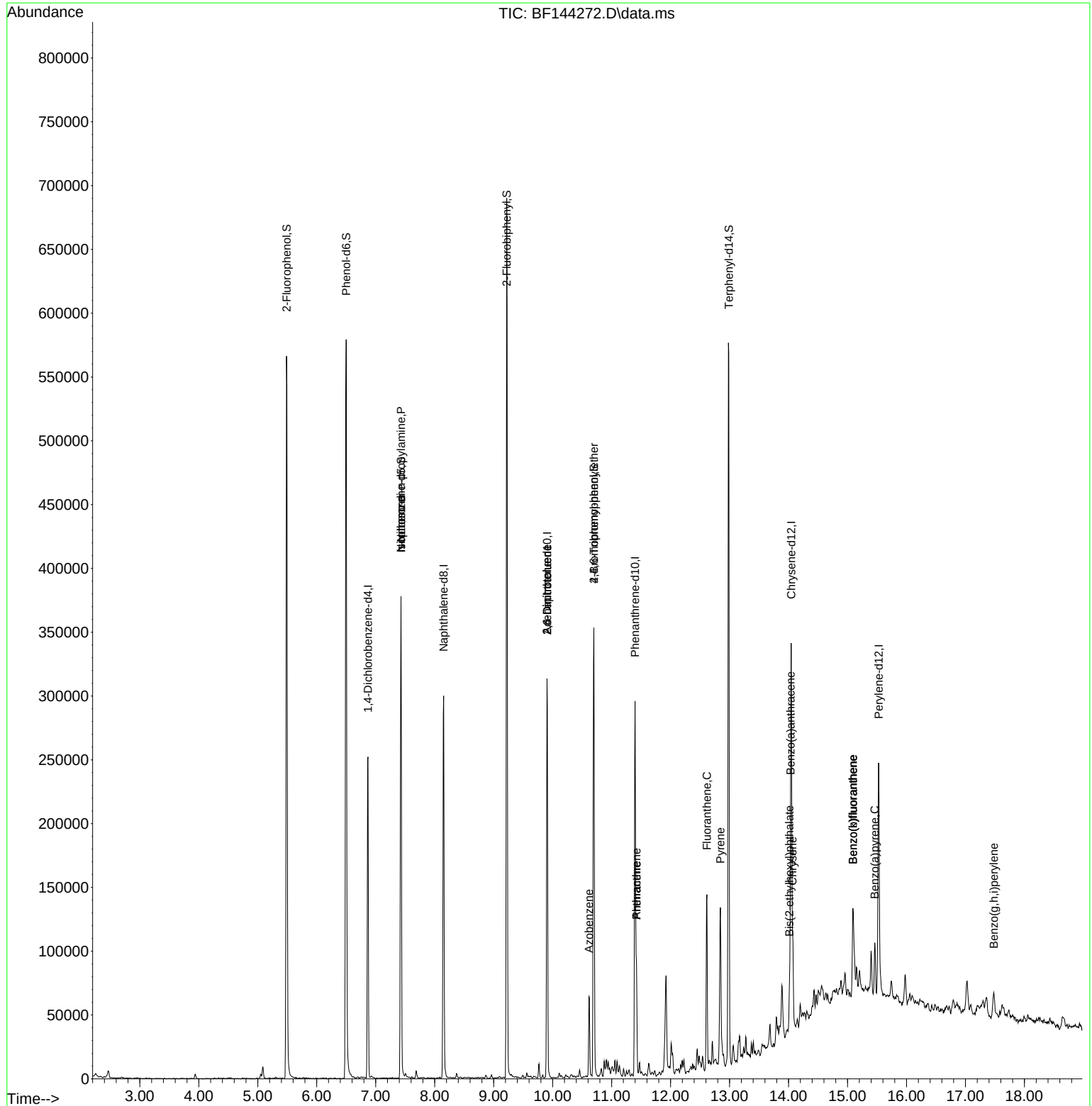
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	54942	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	197870	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	98301	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	159918	20.000	ng	0.00
76) Chrysene-d12	14.045	240	126617	20.000	ng	0.00
86) Perylene-d12	15.527	264	116785	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	229673	65.416	ng	0.00
7) Phenol-d6	6.498	99	252538	63.481	ng	0.00
23) Nitrobenzene-d5	7.428	82	154937	45.224	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	71557	58.008	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	321411	48.291	ng	0.00
79) Terphenyl-d14	12.986	244	306084	38.398	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	21319	8.141	ng	# 81
25) Isophorone	7.428	82	154936	23.908	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	12552	9.521	ng	# 27
57) 2,4-Dinitrotoluene	9.904	165	12552	7.112	ng	# 27
63) Azobenzene	10.616	77	17020	3.046	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	4141	2.029	ng	# 1
71) Phenanthrene	11.422	178	48193	6.053	ng	99
72) Anthracene	11.422	178	48193	5.953	ng	99
75) Fluoranthene	12.616	202	84892	10.321	ng	98
78) Pyrene	12.845	202	75242	7.370	ng	99
81) Benzo(a)anthracene	14.033	228	41490	4.728	ng	95
83) Chrysene	14.068	228	41260	5.093	ng	95
84) Bis(2-ethylhexyl)phtha...	14.015	149	13645	2.817	ng	100
88) Benzo(b)fluoranthene	15.092	252	60619	9.130	ng	# 94
89) Benzo(k)fluoranthene	15.092	252	60619	9.754	ng	# 96
90) Benzo(a)pyrene	15.462	252	26697	4.359	ng	# 91
92) Benzo(g,h,i)perylene	17.480	276	15681	2.359	ng	96

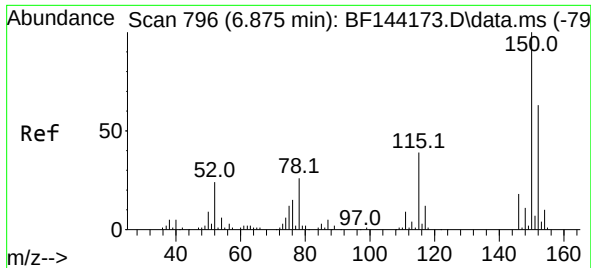
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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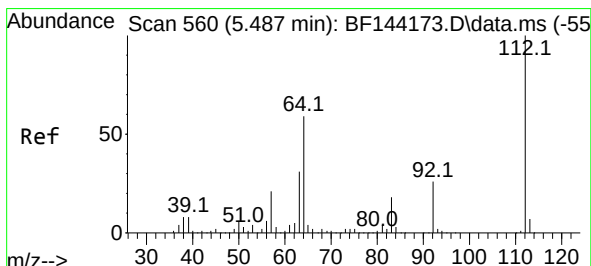
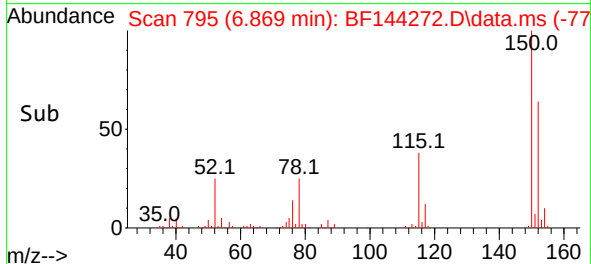
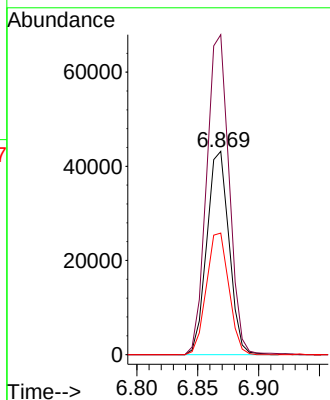
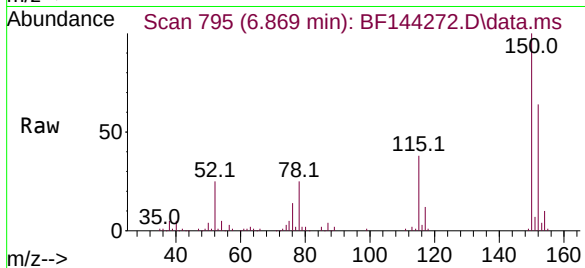




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

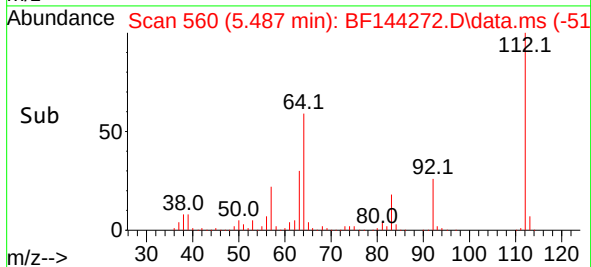
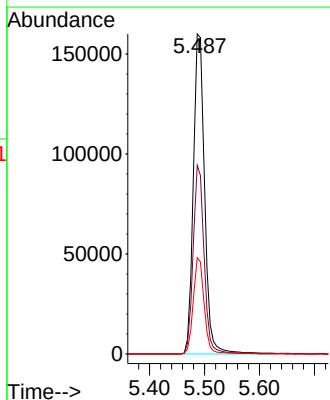
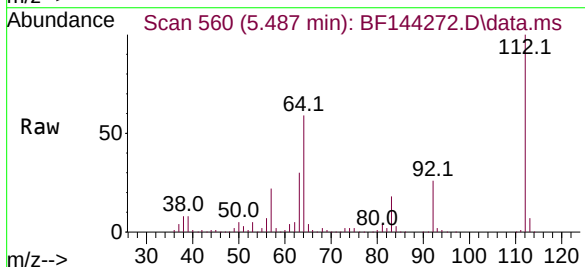
Instrument :
BNA_F
ClientSampleId :

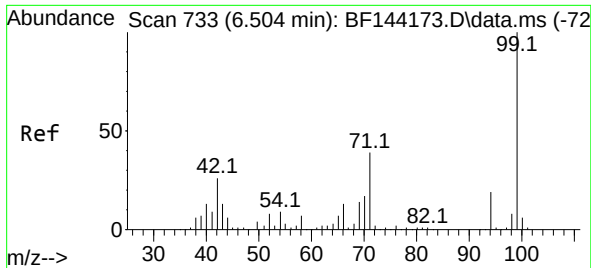
Tgt Ion:152 Resp: 54942
Ion Ratio Lower Upper
152 100
150 157.5 127.4 191.0
115 59.8 49.5 74.3



#5
2-Fluorophenol
Concen: 65.416 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:112 Resp: 229673
Ion Ratio Lower Upper
112 100
64 58.9 47.2 70.8
63 30.0 24.4 36.6

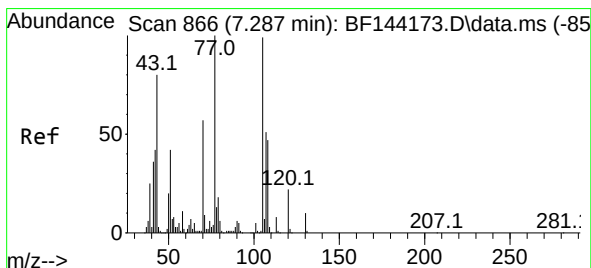
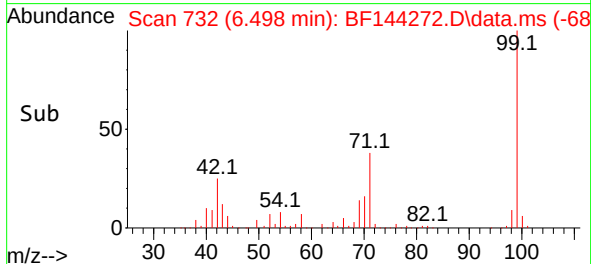
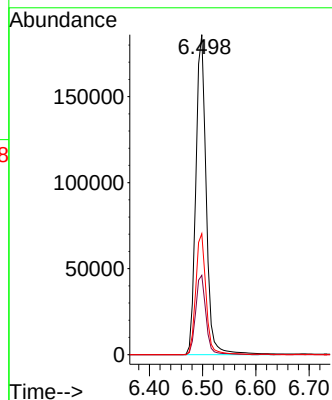
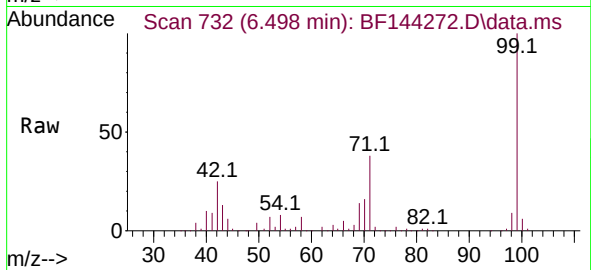




#7
Phenol-d6
Concen: 63.481 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

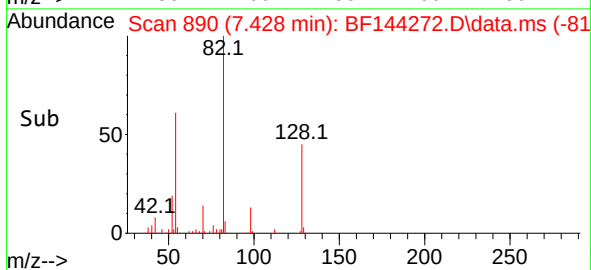
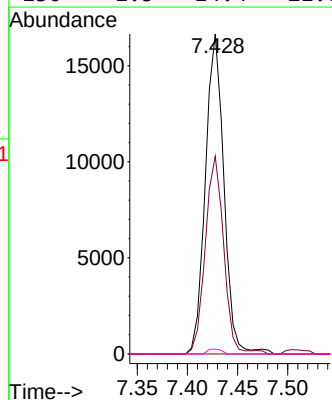
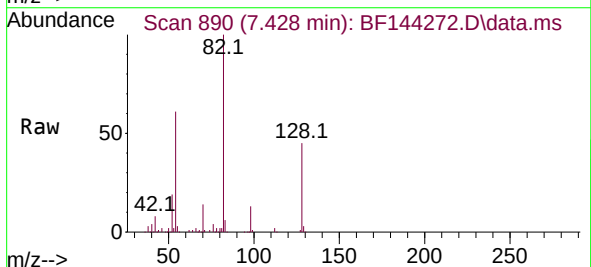
Instrument :
BNA_F
ClientSampleId :

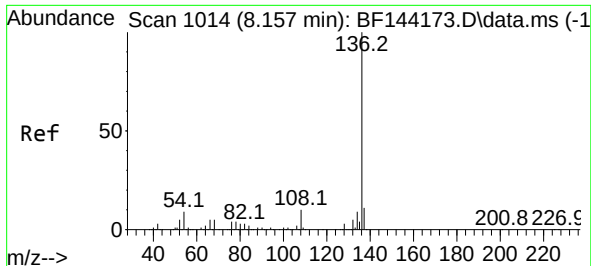
Tgt Ion: 99 Resp: 252538
Ion Ratio Lower Upper
99 100
42 24.8 20.9 31.3
71 37.8 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 8.141 ng
RT: 7.428 min Scan# 890
Delta R.T. 0.153 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion: 70 Resp: 21319
Ion Ratio Lower Upper
70 100
42 61.8 58.3 87.5
101 0.0 7.0 10.6#
130 1.5 14.4 21.6#



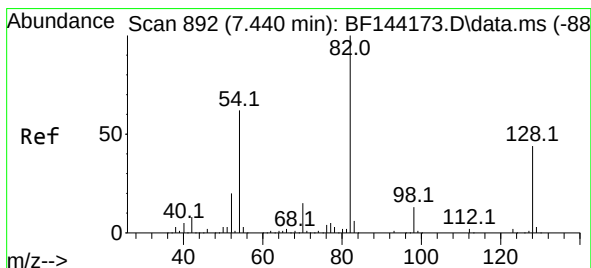
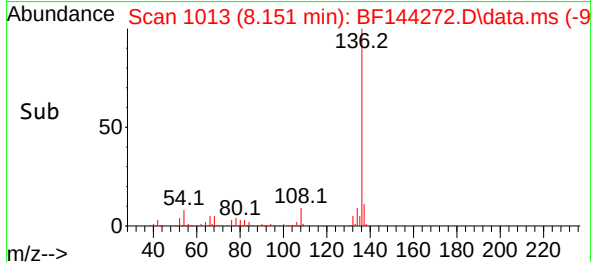
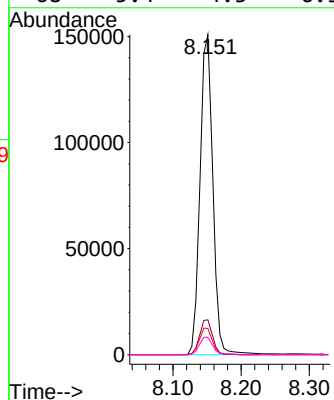
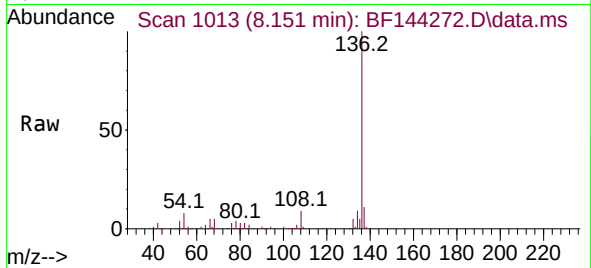


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 197870

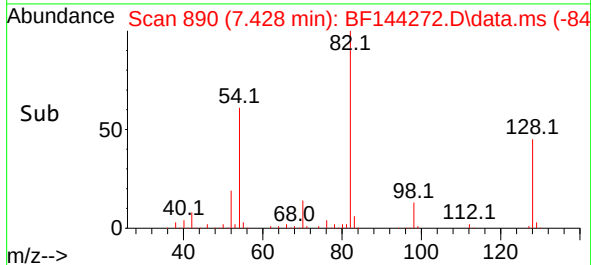
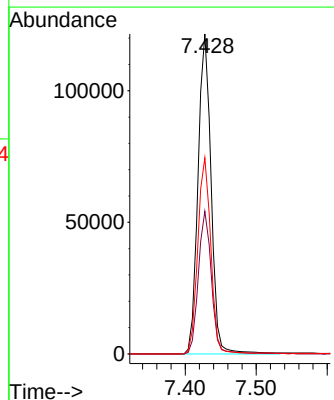
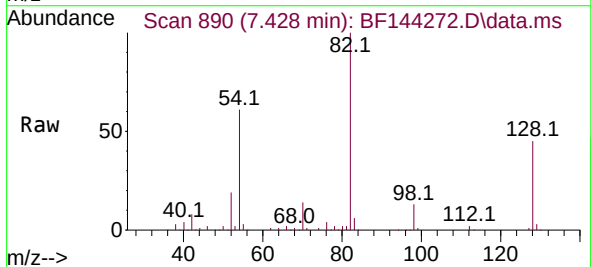
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.2	7.0	10.6
68	5.4	4.3	6.5

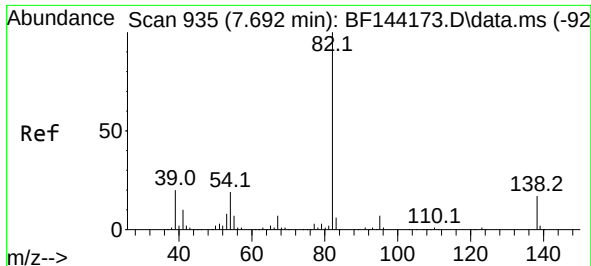


#23
Nitrobenzene-d5
Concen: 45.224 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion: 82 Resp: 154937

Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.7	52.1
54	61.3	49.5	74.3

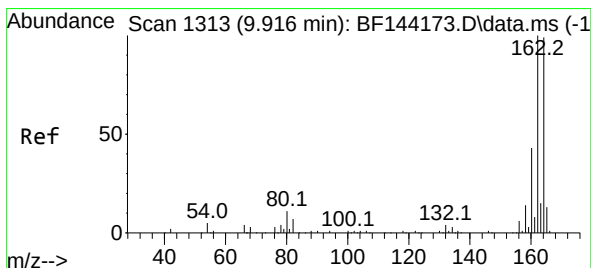
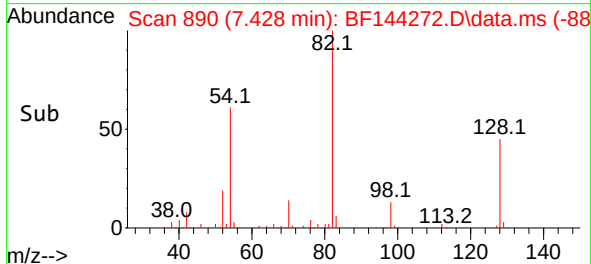
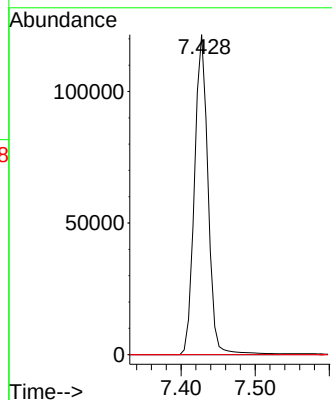
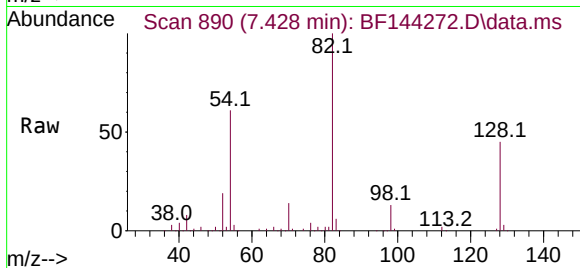




#25
Isophorone
Concen: 23.908 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

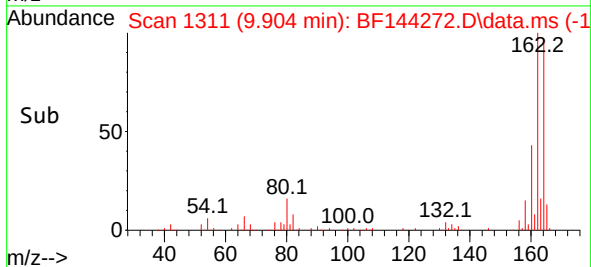
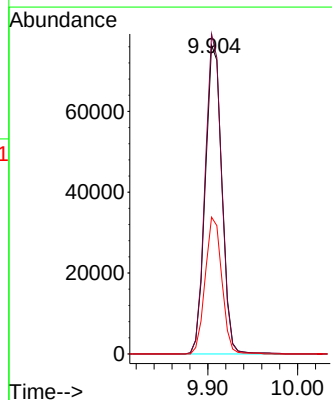
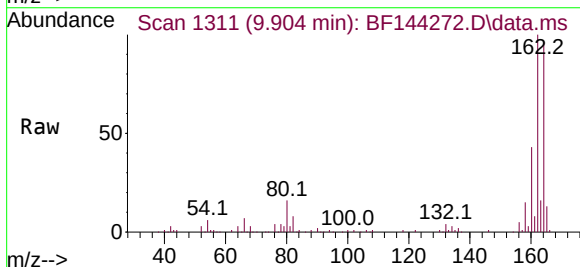
Instrument :
BNA_F
ClientSampleId :

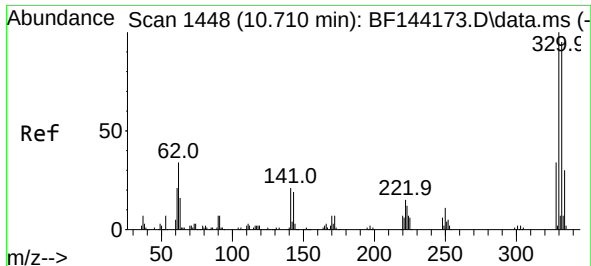
Tgt Ion: 82 Resp: 154936
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion: 164 Resp: 98301
Ion Ratio Lower Upper
164 100
162 103.7 81.1 121.7
160 44.3 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 58.008 ng

RT: 10.698 min Scan# 1446

Delta R.T. -0.006 min

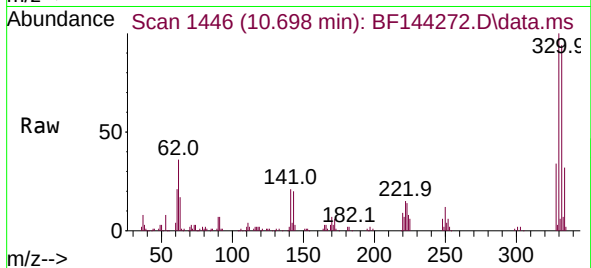
Lab File: BF144272.D

Acq: 17 Nov 2025 17:28

Instrument :

BNA_F

ClientSampleId :



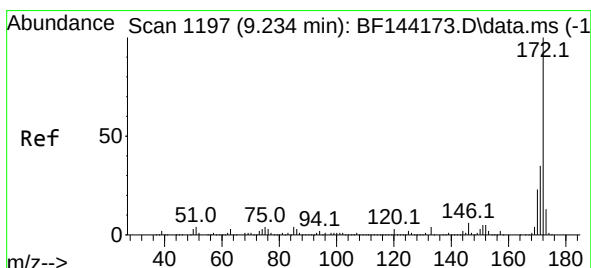
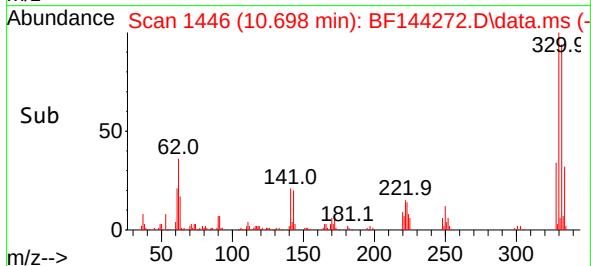
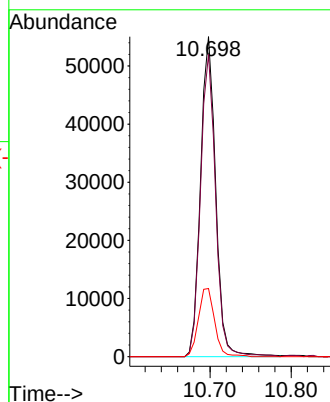
Tgt Ion:330 Resp: 71557

Ion Ratio Lower Upper

330 100

332 93.9 76.7 115.1

141 22.7 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 48.291 ng

RT: 9.222 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF144272.D

Acq: 17 Nov 2025 17:28

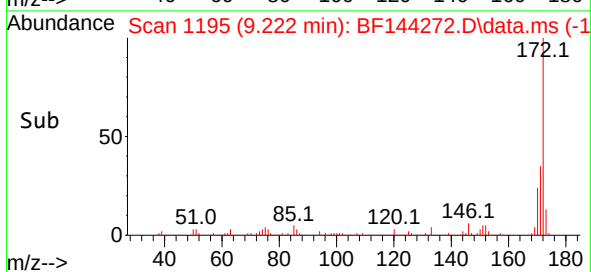
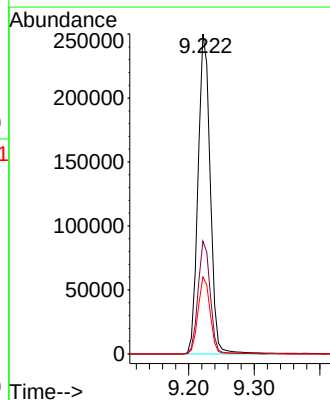
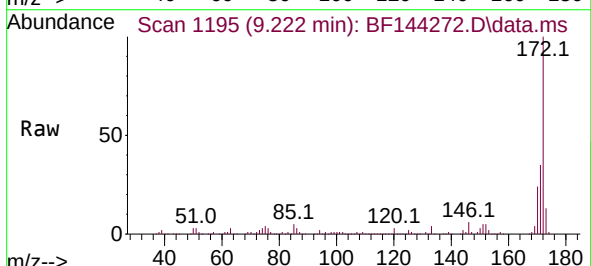
Tgt Ion:172 Resp: 321411

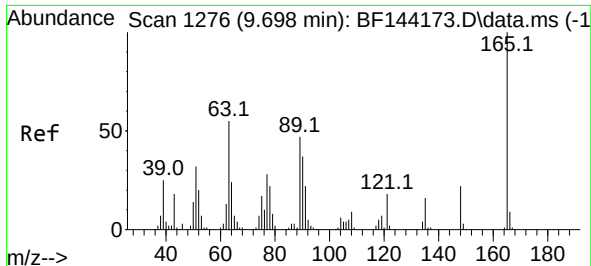
Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

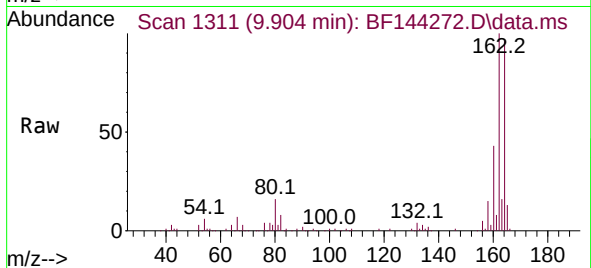
170 24.1 18.6 28.0



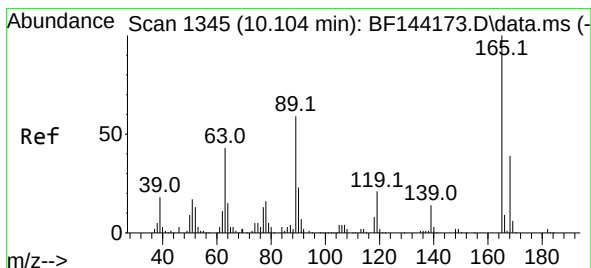
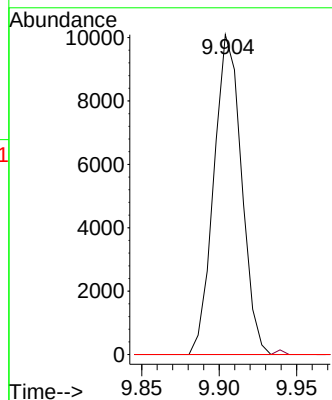
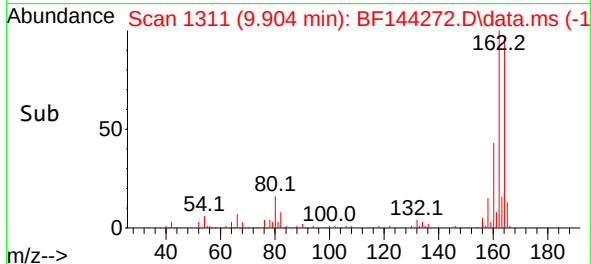


#51
2,6-Dinitrotoluene
Concen: 9.521 ng
RT: 9.904 min Scan# 1311
Delta R.T. 0.212 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

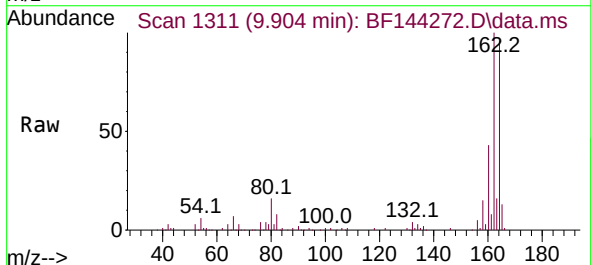
Instrument :
BNA_F
ClientSampleId :



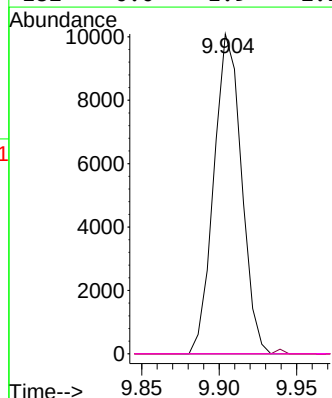
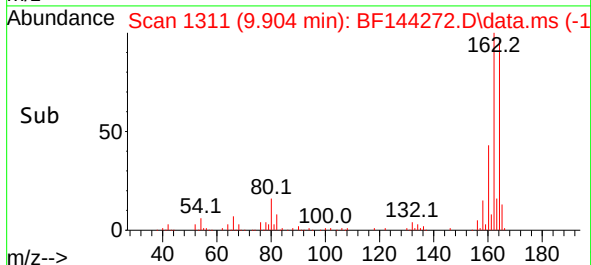
Tgt Ion:165 Resp: 12552
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#

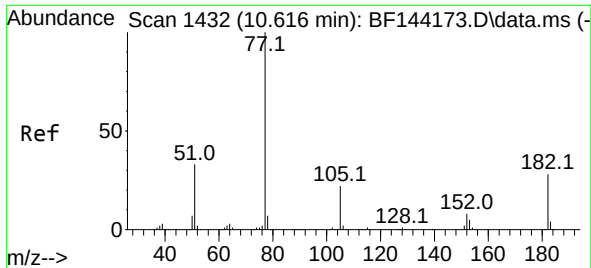


#57
2,4-Dinitrotoluene
Concen: 7.112 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.194 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28



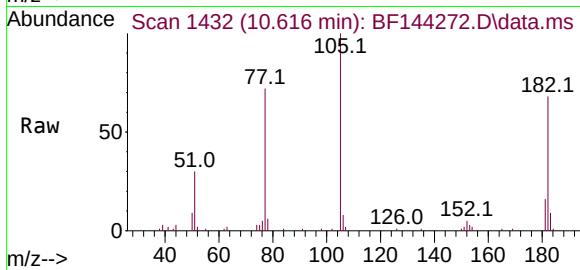
Tgt Ion:165 Resp: 12552
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#



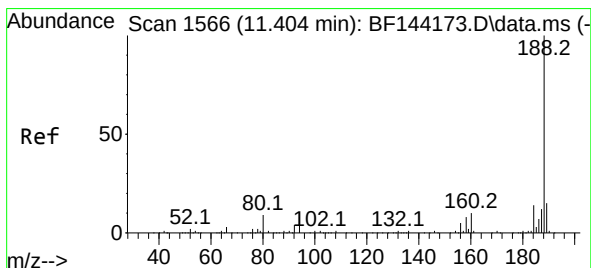
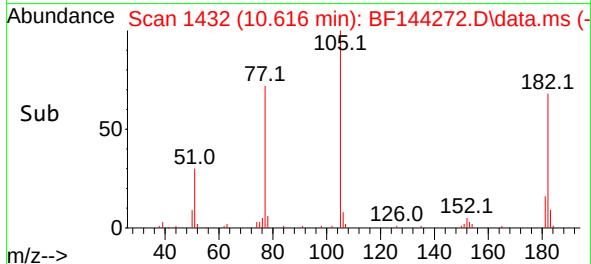
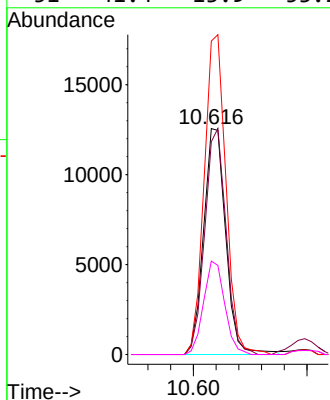


#63
 Azobenzene
 Concen: 3.046 ng
 RT: 10.616 min Scan# 1432
 Delta R.T. -0.000 min
 Lab File: BF144272.D
 Acq: 17 Nov 2025 17:28

Instrument :
 BNA_F
 ClientSampleId :

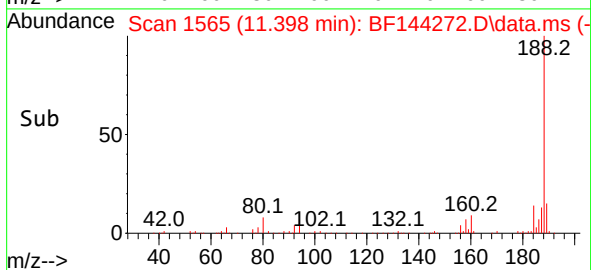
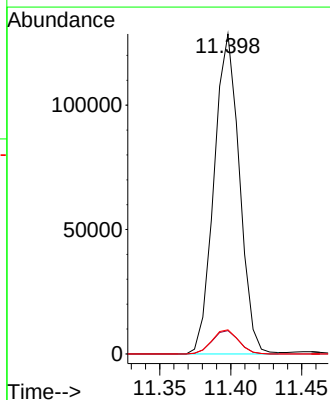
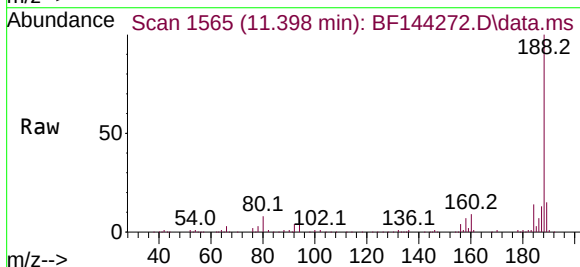


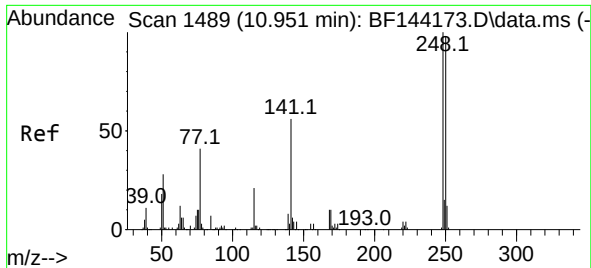
Tgt Ion	Ratio	Lower	Upper
77	100		
182	94.2	8.1	48.1#
105	138.8	2.0	42.0#
51	41.4	13.9	53.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.398 min Scan# 1565
 Delta R.T. -0.006 min
 Lab File: BF144272.D
 Acq: 17 Nov 2025 17:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.2	9.2
80	7.5	6.9	10.3

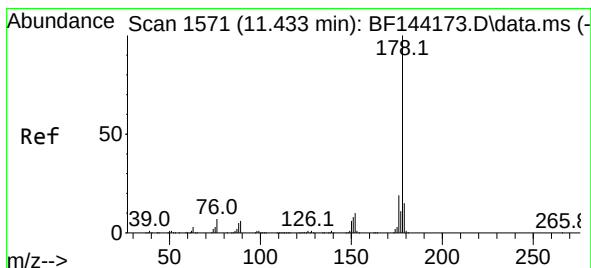
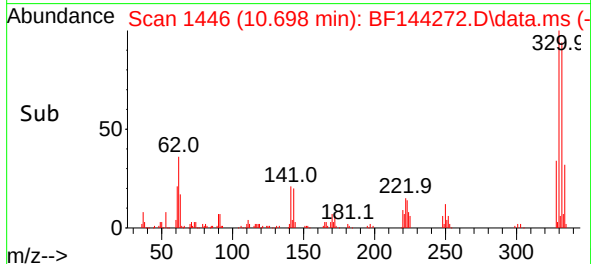
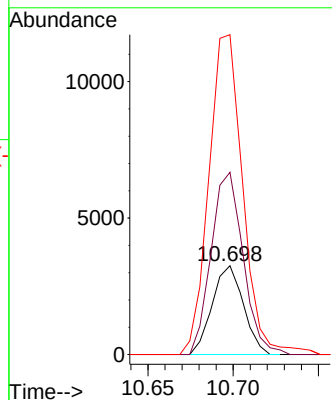
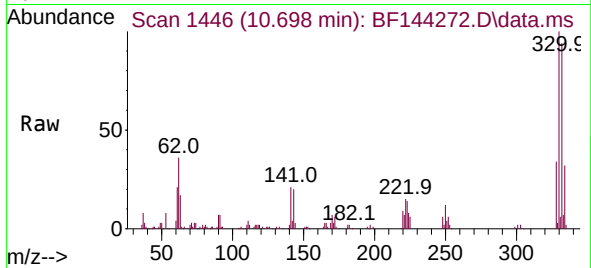




#67
4-Bromophenyl-phenylether
Concen: 2.029 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.247 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

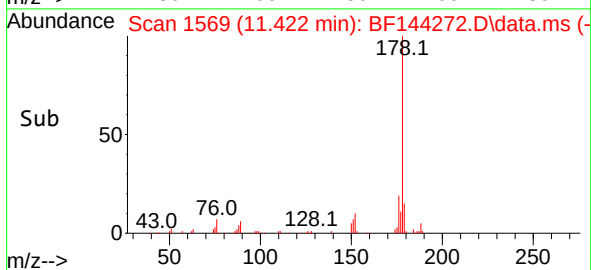
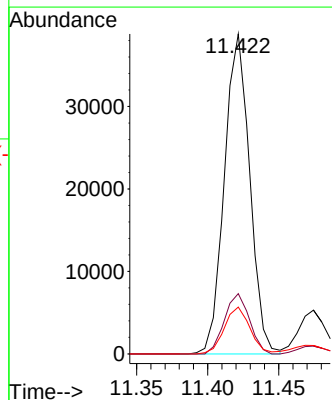
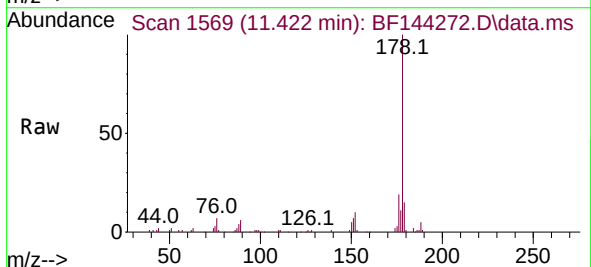
Instrument :
BNA_F
ClientSampleId :

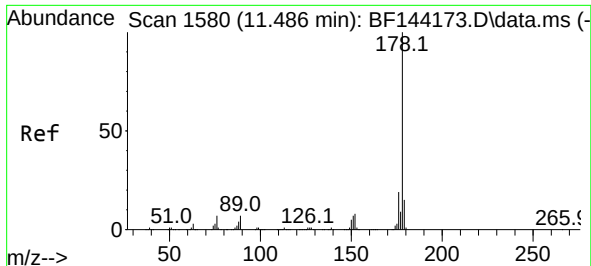
Tgt Ion:248 Resp: 4141
Ion Ratio Lower Upper
248 100
250 205.0 78.4 117.6#
141 359.8 45.1 67.7#



#71
Phenanthrene
Concen: 6.053 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:178 Resp: 48193
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 14.6 12.2 18.4

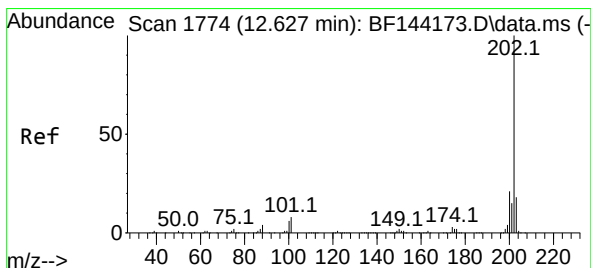
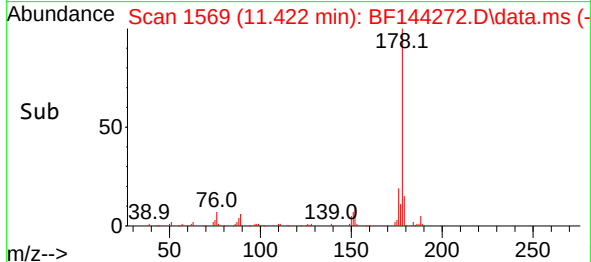
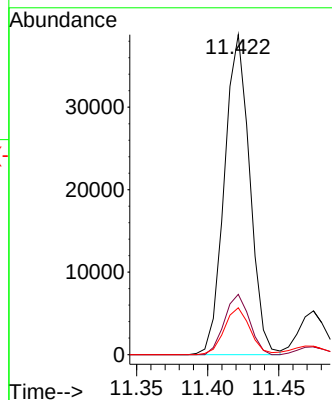
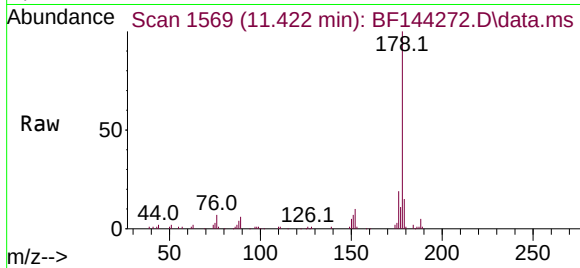




#72
 Anthracene
 Concen: 5.953 ng
 RT: 11.422 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF144272.D
 Acq: 17 Nov 2025 17:28

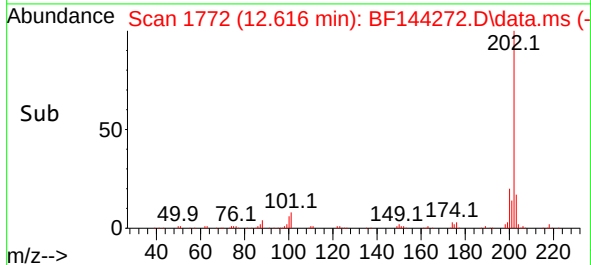
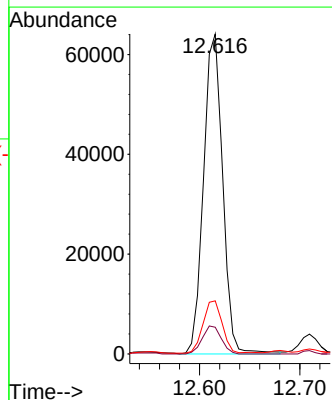
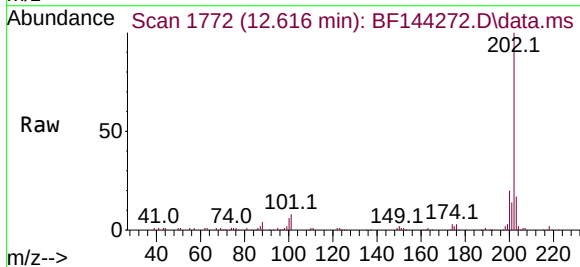
Instrument :
 BNA_F
 ClientSampleId :

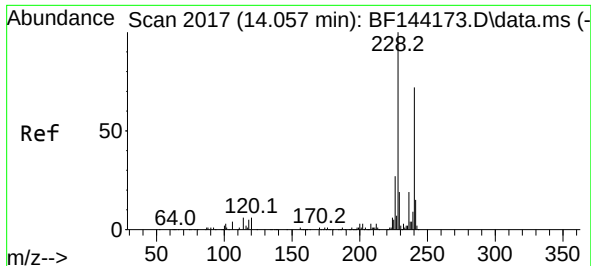
Tgt Ion:178 Resp: 48193
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.3 22.9
 179 14.6 12.0 18.0



#75
 Fluoranthene
 Concen: 10.321 ng
 RT: 12.616 min Scan# 1772
 Delta R.T. -0.006 min
 Lab File: BF144272.D
 Acq: 17 Nov 2025 17:28

Tgt Ion:202 Resp: 84892
 Ion Ratio Lower Upper
 202 100
 101 8.3 0.0 27.9
 203 16.6 0.0 37.5

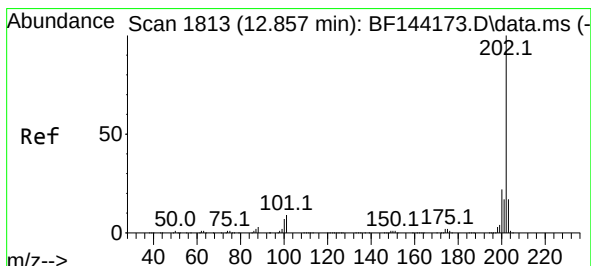
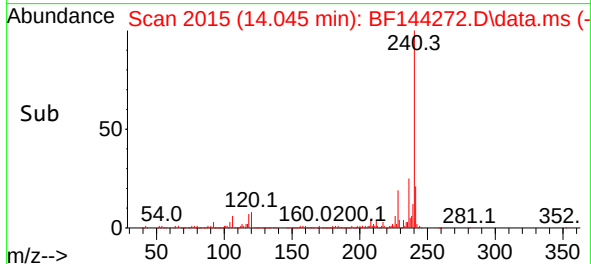
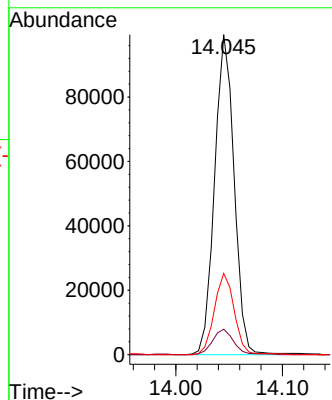
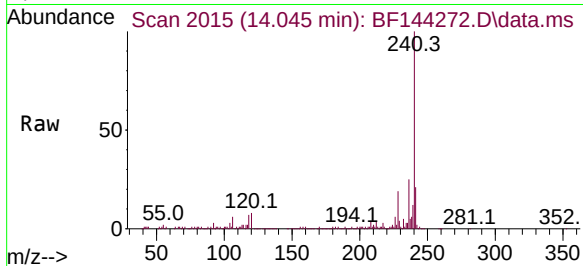




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

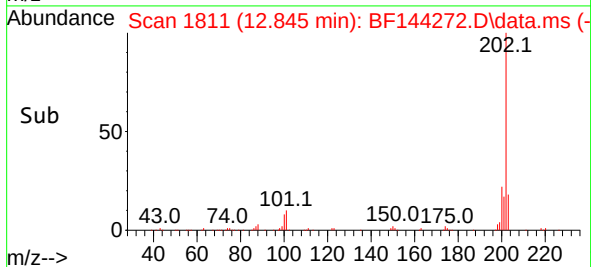
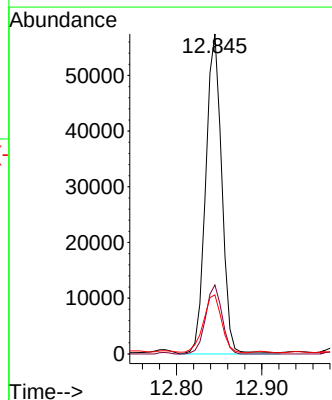
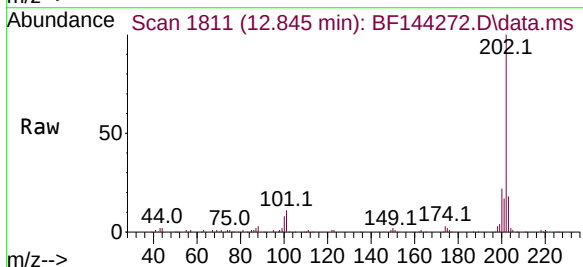
Instrument :
BNA_F
ClientSampleId :

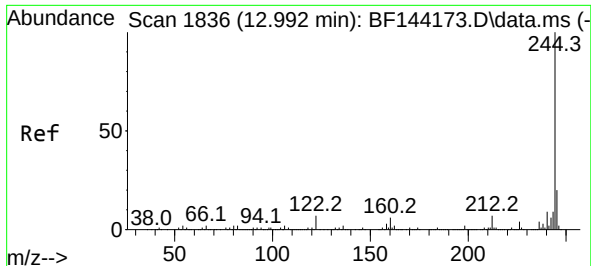
Tgt Ion:240 Resp: 126617
Ion Ratio Lower Upper
240 100
120 7.9 6.6 10.0
236 25.4 21.4 32.2



#78
Pyrene
Concen: 7.370 ng
RT: 12.845 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

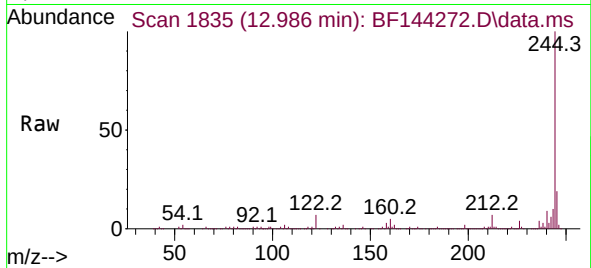
Tgt Ion:202 Resp: 75242
Ion Ratio Lower Upper
202 100
200 21.5 17.2 25.8
203 18.4 13.7 20.5



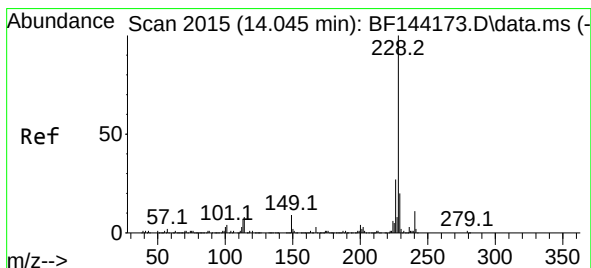
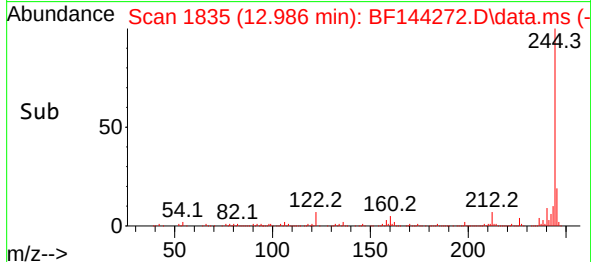
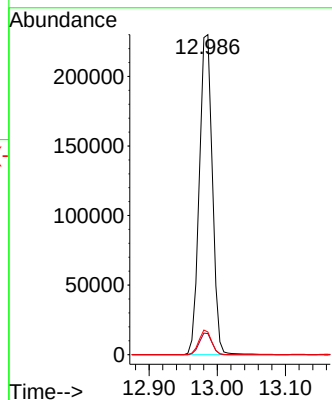


#79
 Terphenyl-d14
 Concen: 38.398 ng
 RT: 12.986 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF144272.D
 Acq: 17 Nov 2025 17:28

Instrument :
 BNA_F
 ClientSampleId :

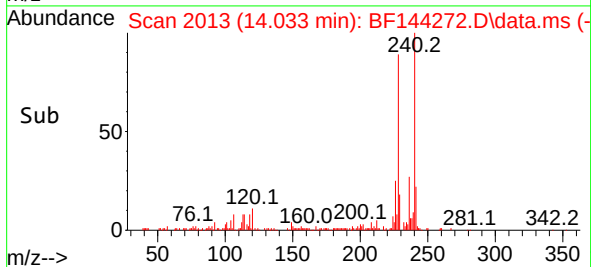
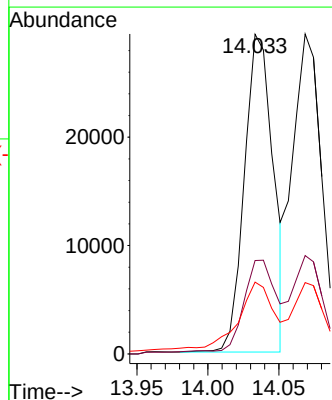
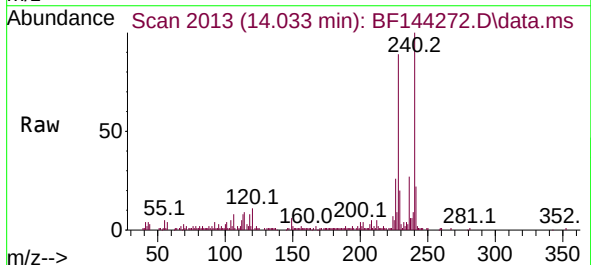


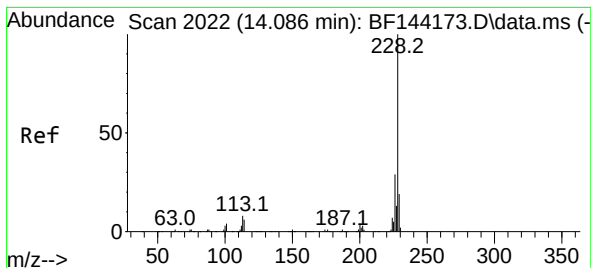
Tgt Ion:244 Resp: 306084
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 7.1 5.6 8.4



#81
 Benzo(a)anthracene
 Concen: 4.728 ng
 RT: 14.033 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF144272.D
 Acq: 17 Nov 2025 17:28

Tgt Ion:228 Resp: 41490
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.8 32.8
 229 22.5 15.8 23.6





#83

Chrysene

Concen: 5.093 ng

RT: 14.068 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF144272.D

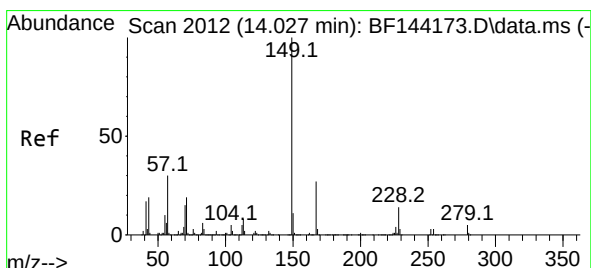
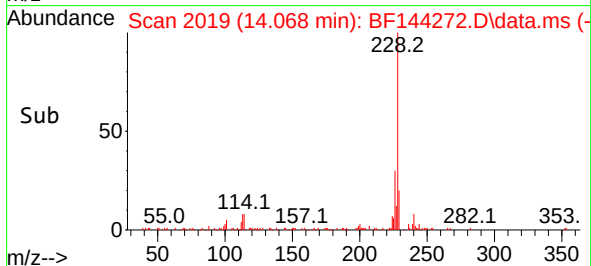
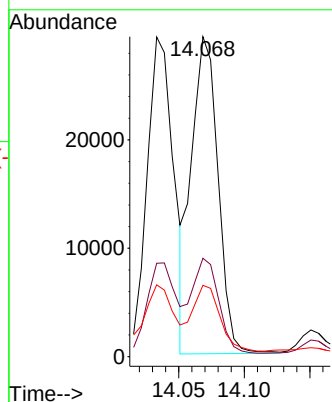
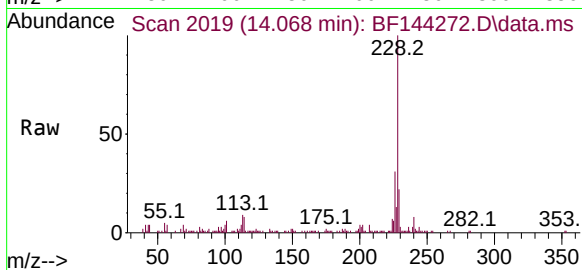
Acq: 17 Nov 2025 17:28

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:228	Resp:	41260
Ion Ratio	Lower	Upper
228	100	
226	30.7	22.9 34.3
229	22.3	15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.817 ng

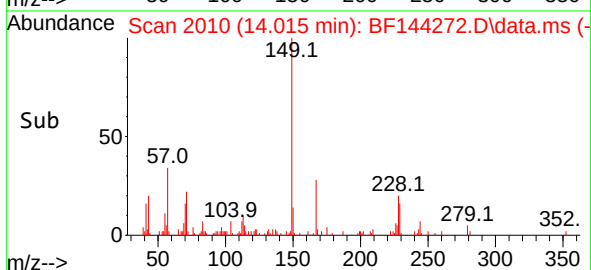
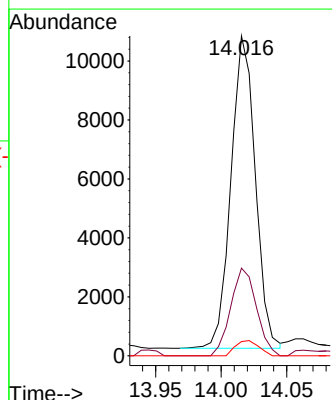
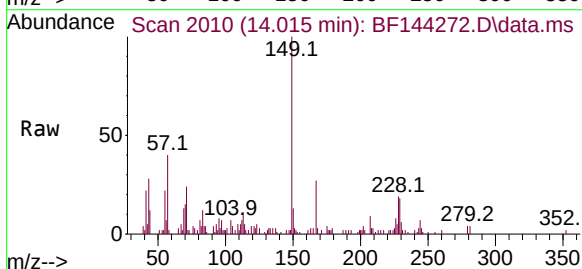
RT: 14.015 min Scan# 2010

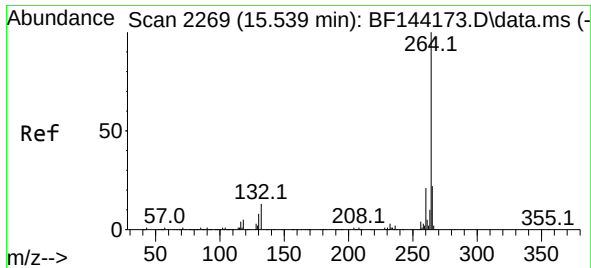
Delta R.T. -0.012 min

Lab File: BF144272.D

Acq: 17 Nov 2025 17:28

Tgt Ion:149	Resp:	13645
Ion Ratio	Lower	Upper
149	100	
167	27.4	21.8 32.8
279	4.5	3.7 5.5

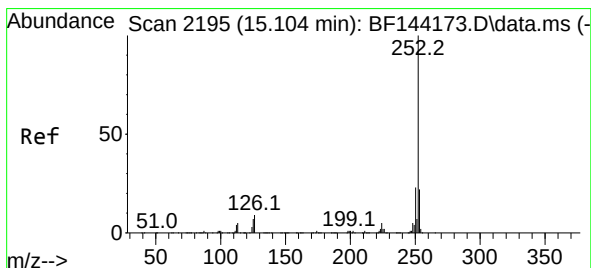
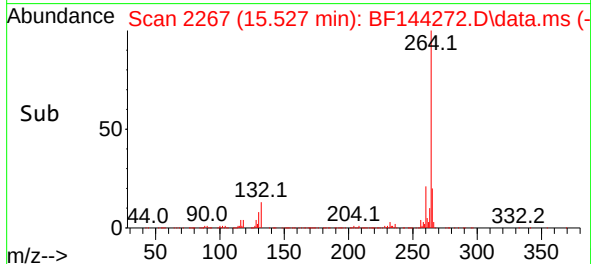
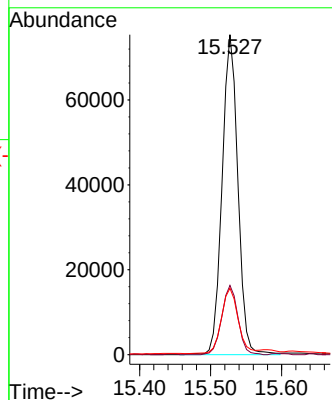
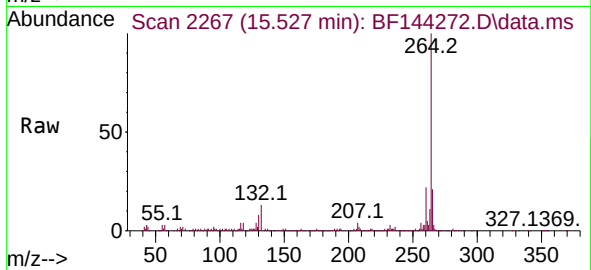




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

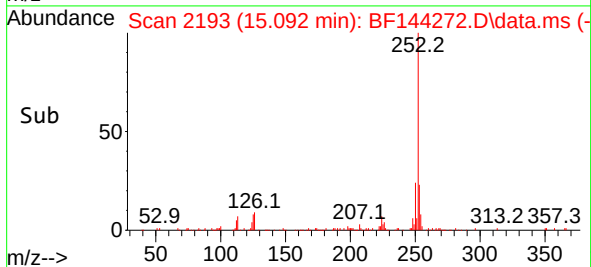
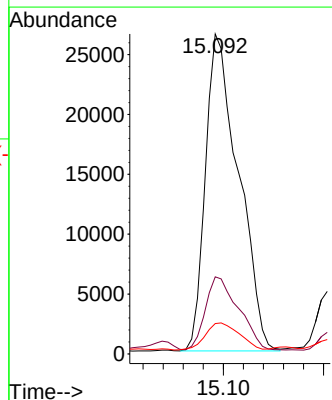
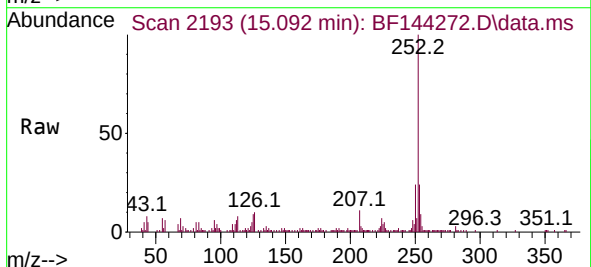
Instrument :
BNA_F
ClientSampleId :

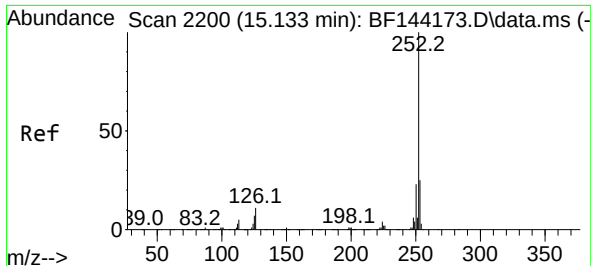
Tgt Ion:264 Resp: 116785
Ion Ratio Lower Upper
264 100
260 21.6 17.1 25.7
265 20.7 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 9.130 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:252 Resp: 60619
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 9.5 5.3 7.9#

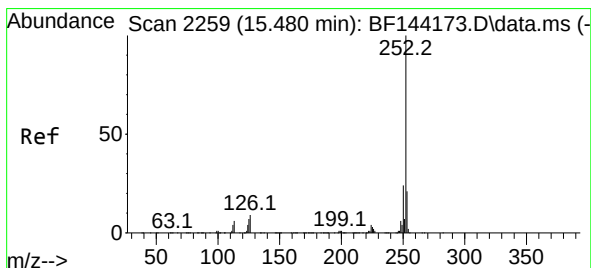
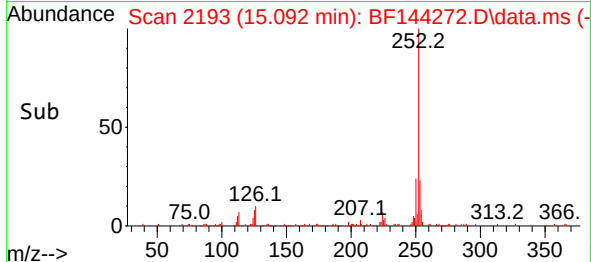
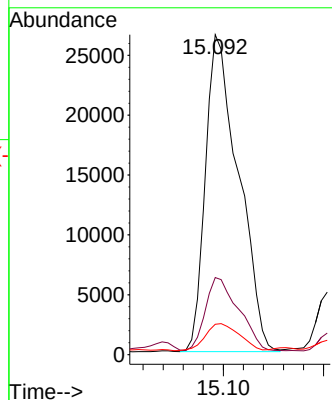
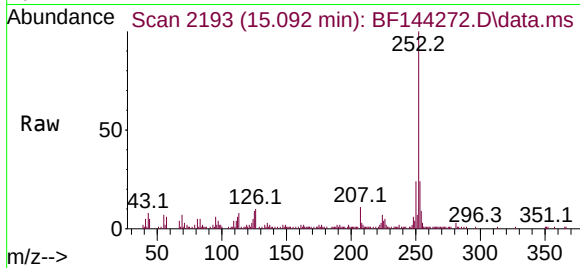




#89
Benzo(k)fluoranthene
Concen: 9.754 ng
RT: 15.092 min Scan# 2119
Delta R.T. -0.035 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

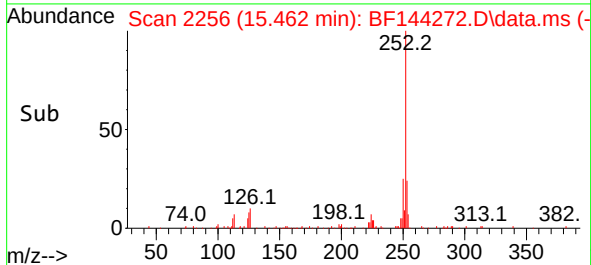
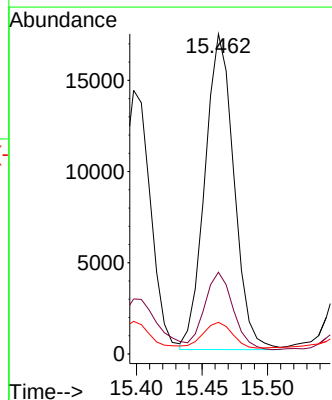
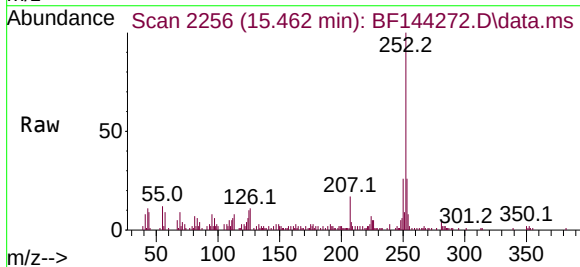
Instrument :
BNA_F
ClientSampleId :

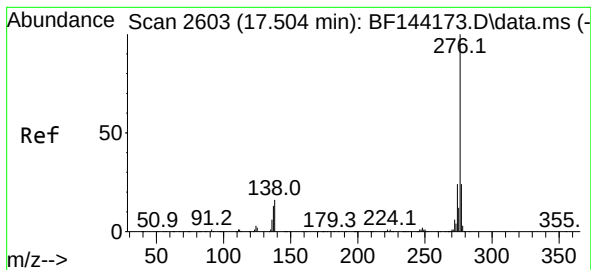
Tgt Ion:252 Resp: 60619
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 9.5 5.4 8.2#



#90
Benzo(a)pyrene
Concen: 4.359 ng
RT: 15.462 min Scan# 2256
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:252 Resp: 26697
Ion Ratio Lower Upper
252 100
253 25.5 16.7 25.1#
125 9.9 5.7 8.5#





#92

Benzo(g,h,i)perylene

Concen: 2.359 ng

RT: 17.480 min Scan# 21

Delta R.T. -0.012 min

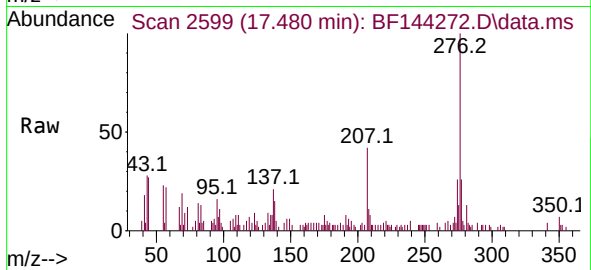
Lab File: BF144272.D

Acq: 17 Nov 2025 17:28

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 15681

Ion Ratio Lower Upper

276 100

277 25.7 19.0 28.4

138 14.7 12.9 19.3

