

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111425\
 Data File : BF144258.D
 Acq On : 14 Nov 2025 12:46
 Operator : RC/JU
 Sample : Q3601-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Nov 14 13:10:08 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)

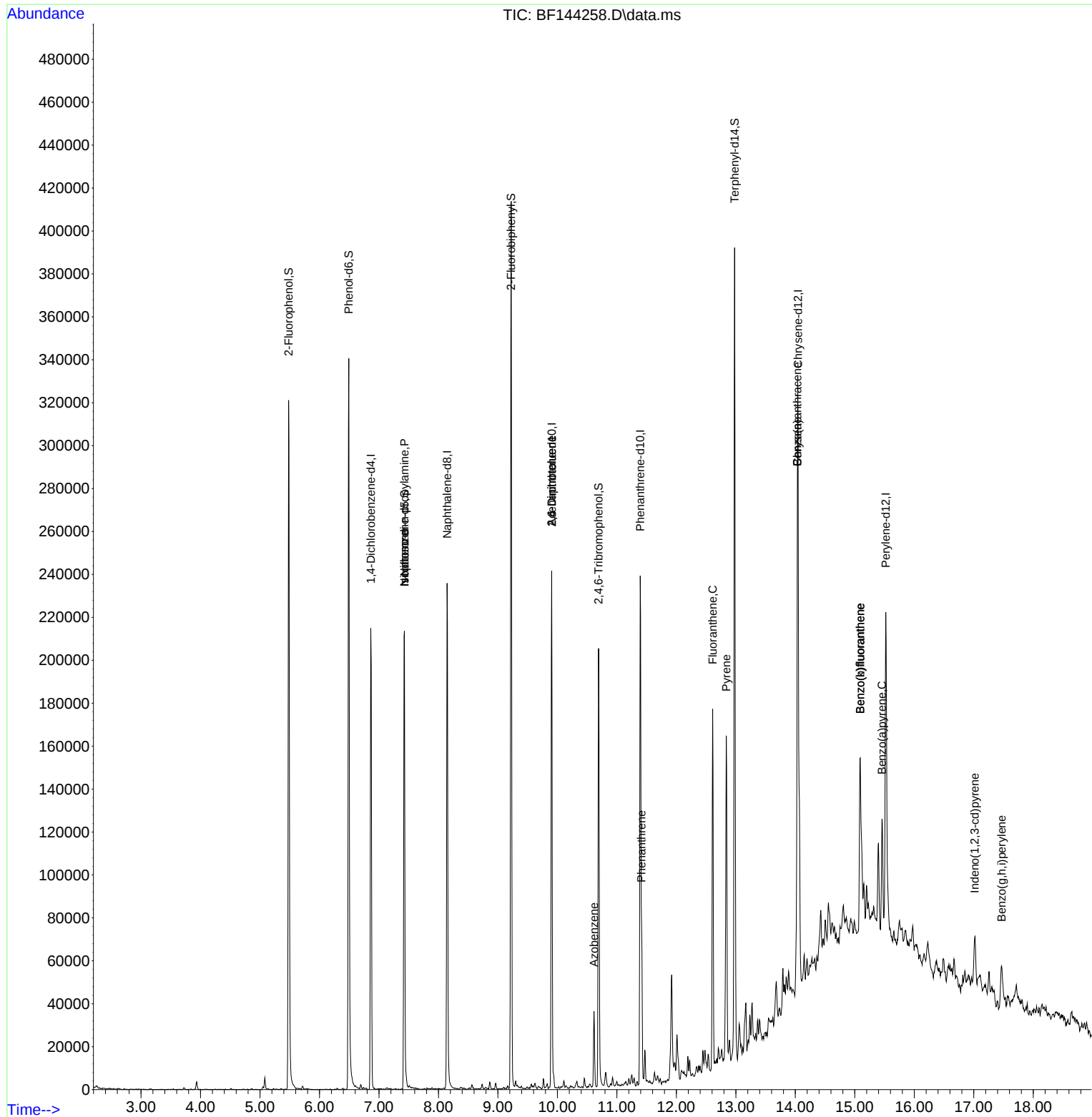
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	46135	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	153333	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	73436	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	129718	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	113165	20.000	ng	0.00
86) Perylene-d12	15.521	264	92089	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	133959	45.438	ng	-0.01
7) Phenol-d6	6.492	99	153601	45.981	ng	0.00
23) Nitrobenzene-d5	7.428	82	93669	35.282	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	42069	45.651	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	192169	38.649	ng	0.00
79) Terphenyl-d14	12.980	244	190710	26.768	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	14333	6.518	ng	# 74
25) Isophorone	7.428	82	93669	18.653	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	10167	10.324	ng	# 27
57) 2,4-Dinitrotoluene	9.904	165	10167	7.712	ng	# 27
63) Azobenzene	10.616	77	8652	2.073	ng	# 1
71) Phenanthrene	11.416	178	36362	5.630	ng	98
75) Fluoranthene	12.610	202	98484	14.762	ng	99
78) Pyrene	12.839	202	91011	9.974	ng	98
81) Benzo(a)anthracene	14.033	228	58470	7.455	ng	97
83) Chrysene	14.033	228	58470	8.076	ng	96
87) Indeno(1,2,3-cd)pyrene	17.015	276	18965	2.869	ng	# 96
88) Benzo(b)fluoranthene	15.092	252	72188	13.788	ng	# 95
89) Benzo(k)fluoranthene	15.092	252	72188	14.731	ng	# 96
90) Benzo(a)pyrene	15.457	252	33516	6.939	ng	# 95
92) Benzo(g,h,i)perylene	17.468	276	21283	4.060	ng	# 91

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

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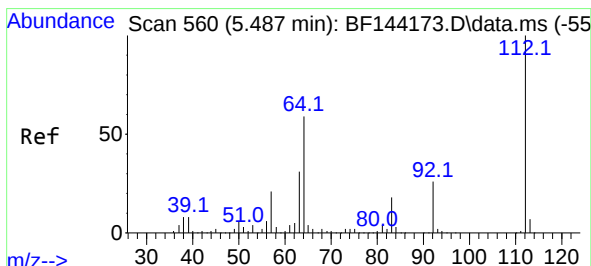
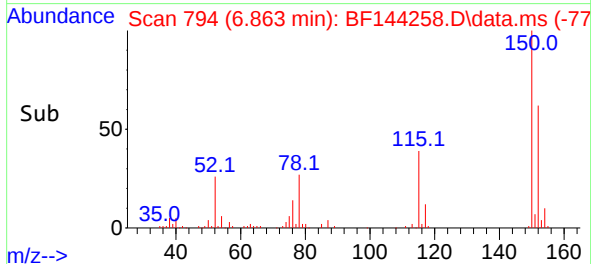
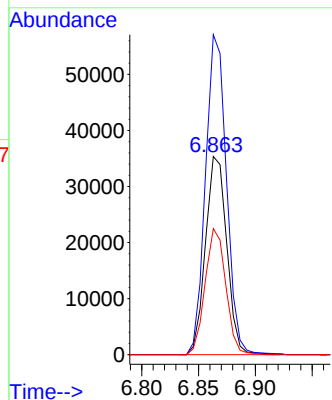
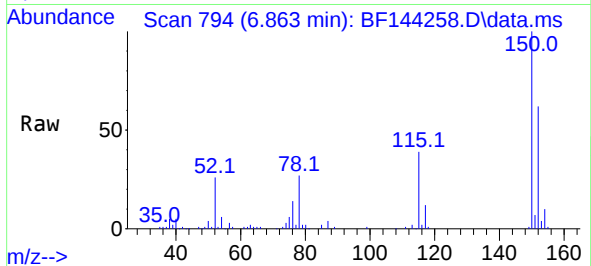




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

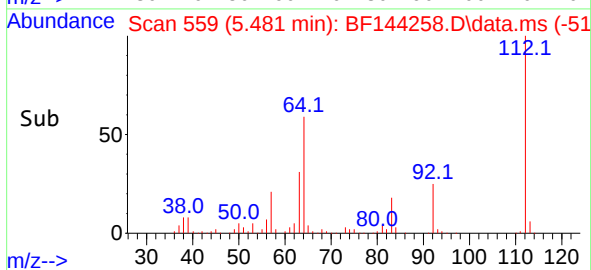
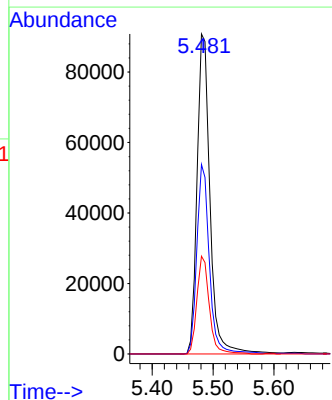
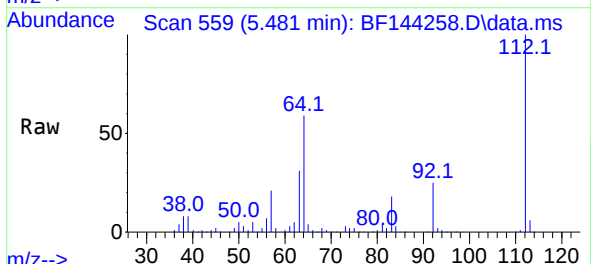
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 46135
Ion Ratio Lower Upper
152 100
150 161.4 127.4 191.0
115 63.6 49.5 74.3



#5
2-Fluorophenol
Concen: 45.438 ng
RT: 5.481 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Tgt Ion:112 Resp: 133959
Ion Ratio Lower Upper
112 100
64 59.2 47.2 70.8
63 30.6 24.4 36.6

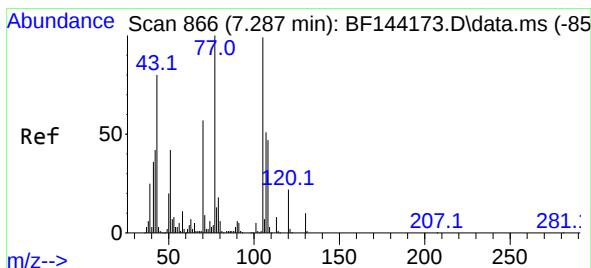
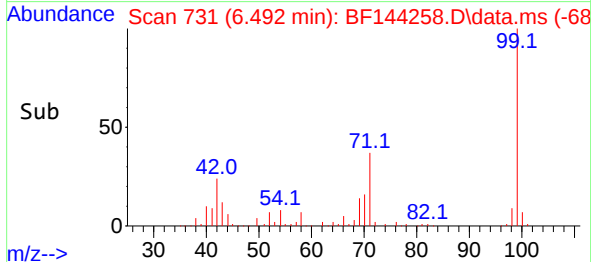
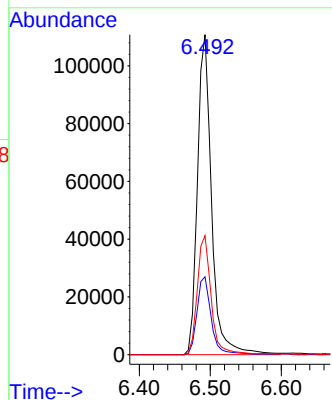
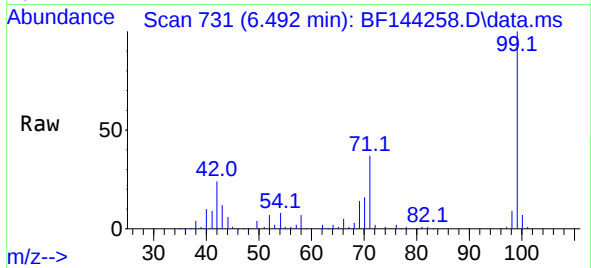




#7
Phenol-d6
Concen: 45.981 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

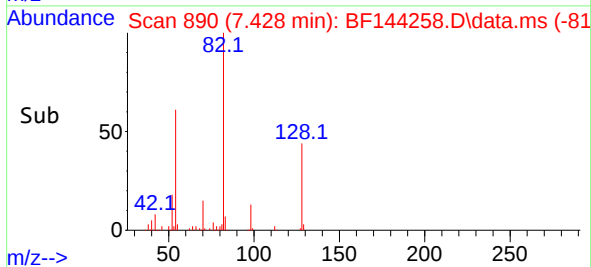
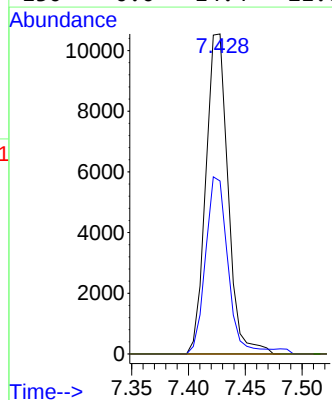
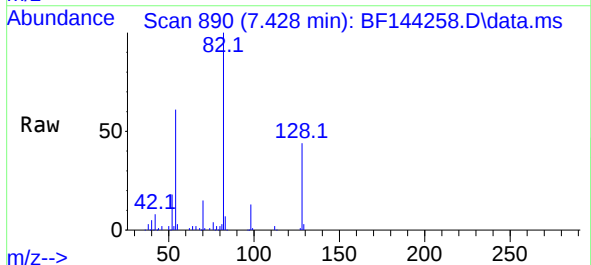
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 99 Resp: 153601
Ion Ratio Lower Upper
99 100
42 24.4 20.9 31.3
71 37.2 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 6.518 ng
RT: 7.428 min Scan# 890
Delta R.T. 0.153 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Tgt Ion: 70 Resp: 14333
Ion Ratio Lower Upper
70 100
42 54.0 58.3 87.5#
101 0.0 7.0 10.6#
130 0.0 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF144258.D

Acq: 14 Nov 2025 12:46

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:136 Resp: 153333

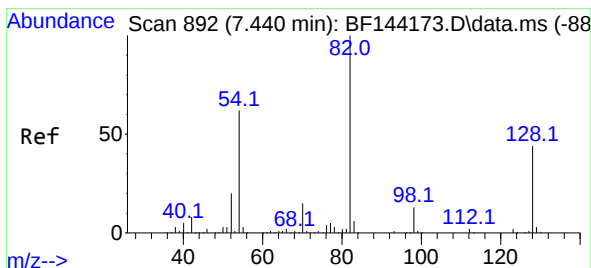
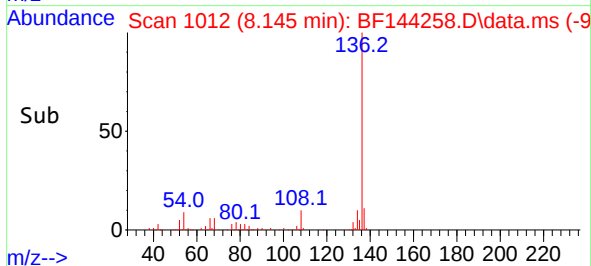
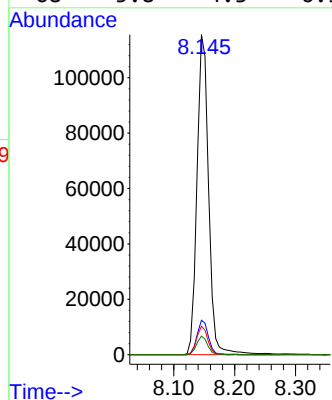
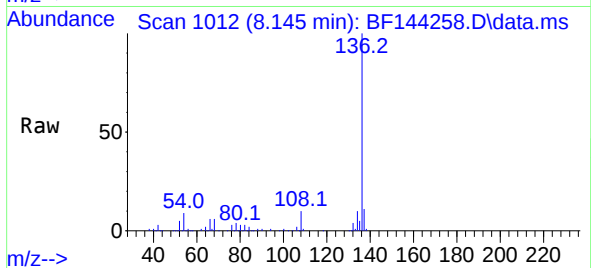
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.9 7.0 10.6

68 5.8 4.3 6.5



#23

Nitrobenzene-d5

Concen: 35.282 ng

RT: 7.428 min Scan# 890

Delta R.T. -0.006 min

Lab File: BF144258.D

Acq: 14 Nov 2025 12:46

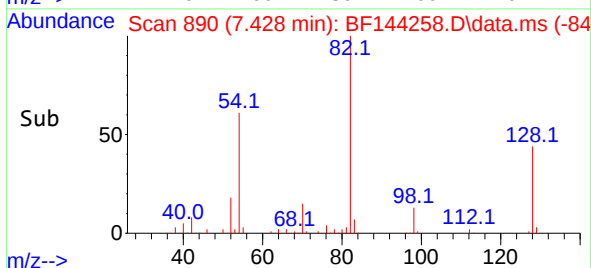
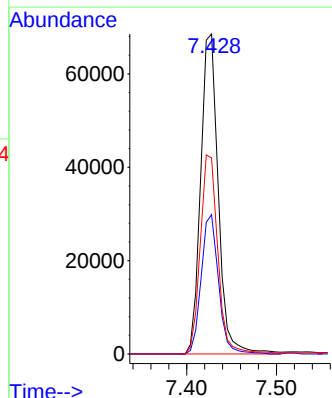
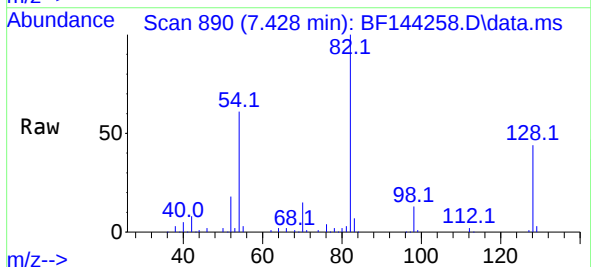
Tgt Ion: 82 Resp: 93669

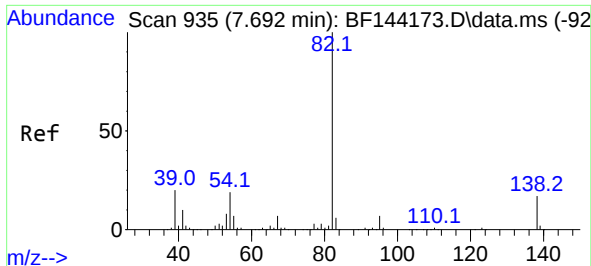
Ion Ratio Lower Upper

82 100

128 43.5 34.7 52.1

54 61.3 49.5 74.3

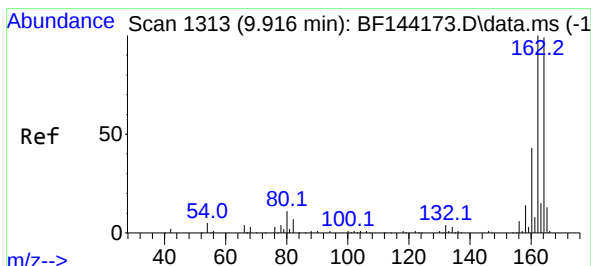
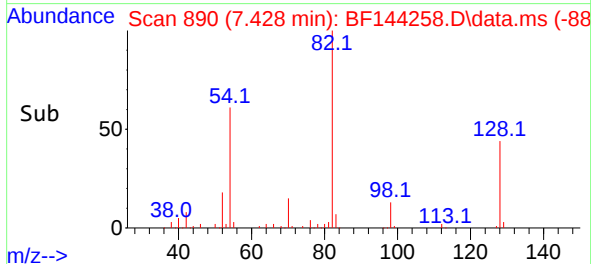
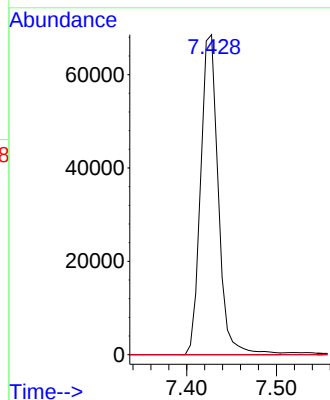
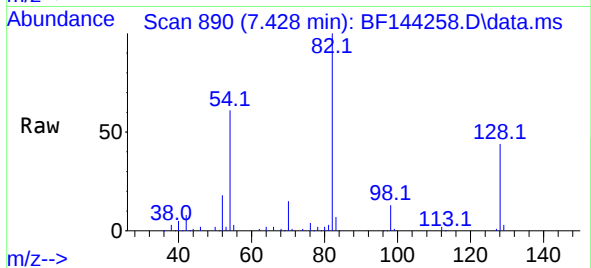




#25
Isophorone
Concen: 18.653 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

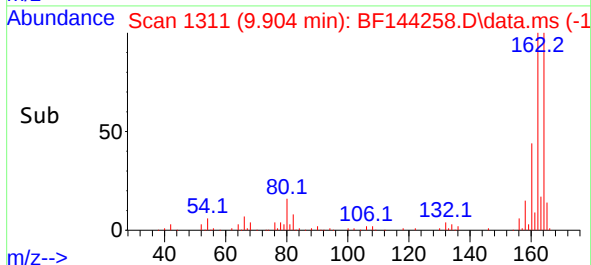
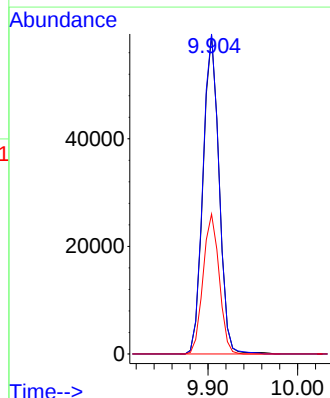
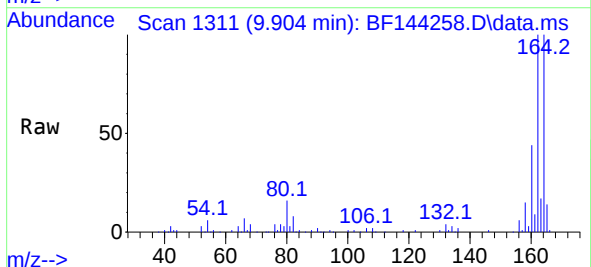
Instrument :
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TP-1

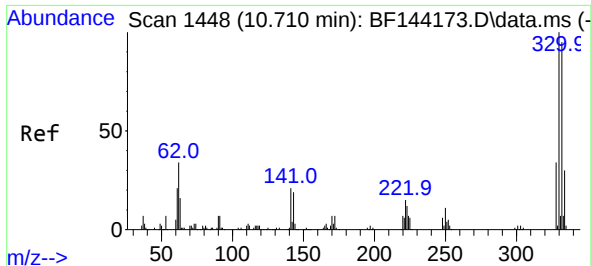
Tgt Ion: 82 Resp: 93669
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

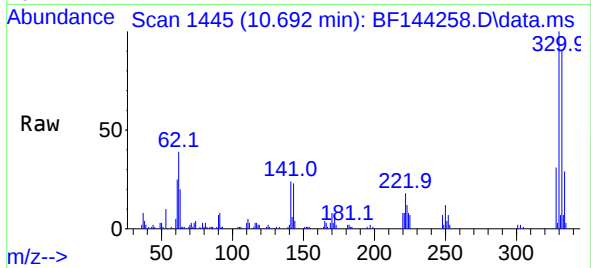
Tgt Ion:164 Resp: 73436
Ion Ratio Lower Upper
164 100
162 100.4 81.1 121.7
160 43.9 34.5 51.7



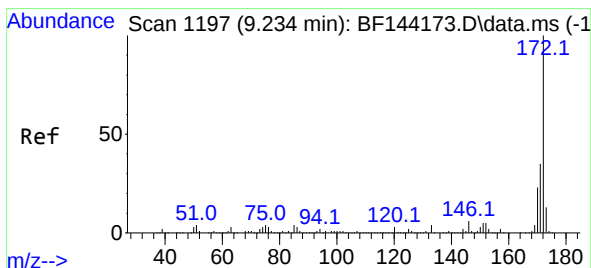
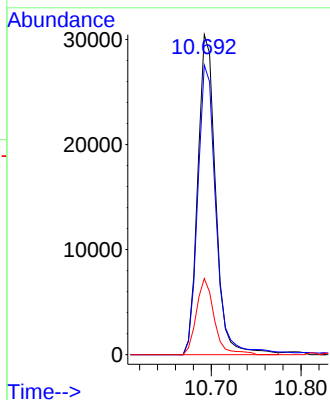
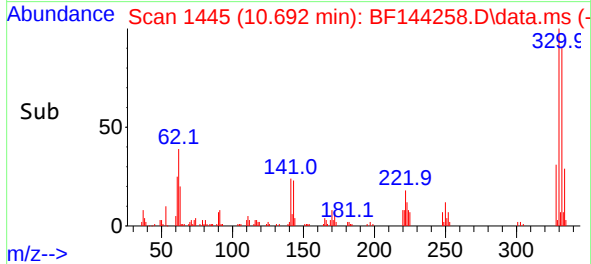


#42
2,4,6-Tribromophenol
Concen: 45.651 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

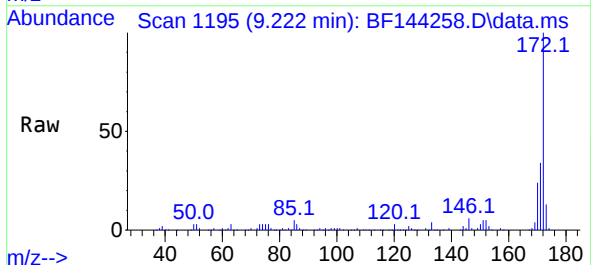
Instrument :
BNA_F
ClientSampleId :
TP-1



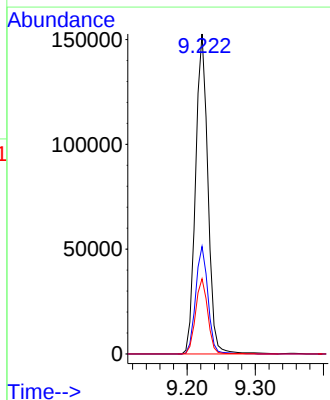
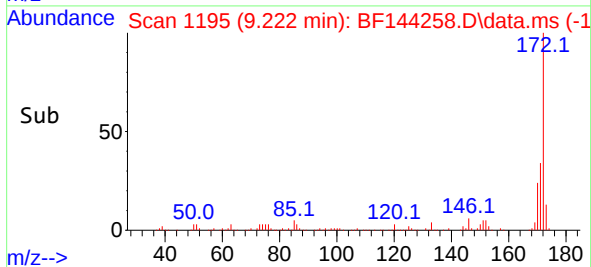
Tgt Ion: 330 Resp: 42069
Ion Ratio Lower Upper
330 100
332 93.2 76.7 115.1
141 23.7 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 38.649 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46



Tgt Ion: 172 Resp: 192169
Ion Ratio Lower Upper
172 100
171 33.6 28.1 42.1
170 23.5 18.6 28.0

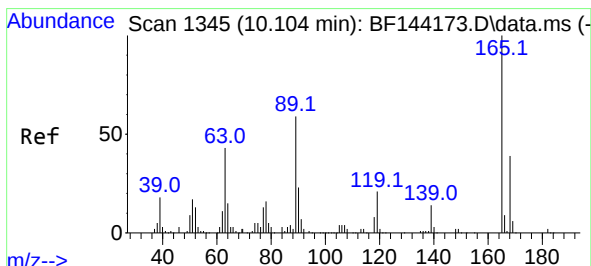
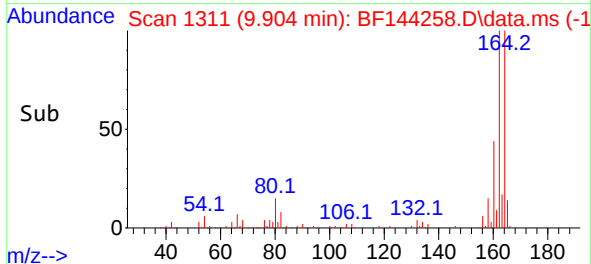
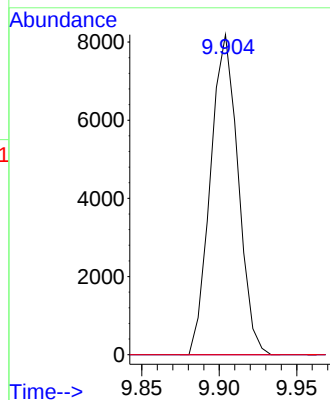
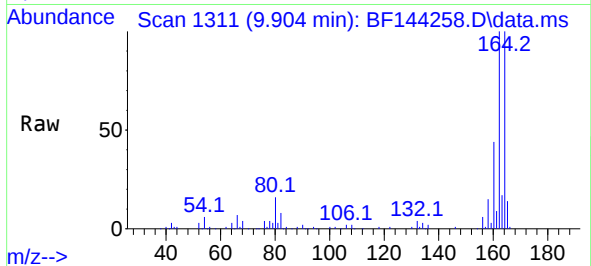




#51
2,6-Dinitrotoluene
Concen: 10.324 ng
RT: 9.904 min Scan# 1311
Delta R.T. 0.212 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

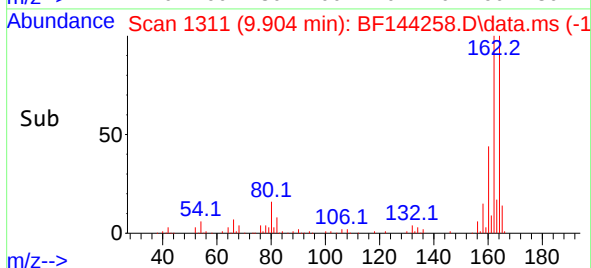
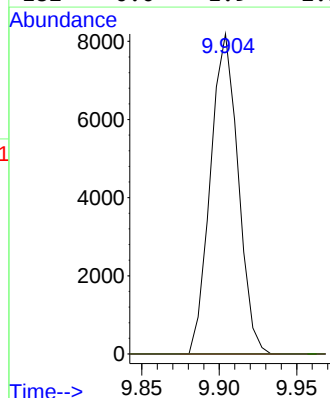
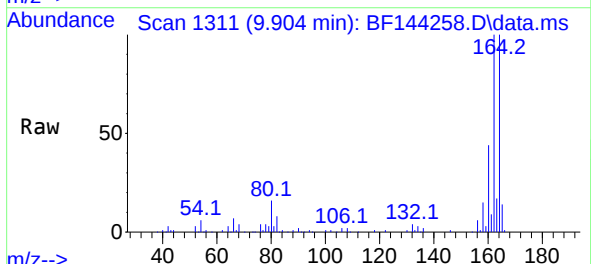
Instrument :
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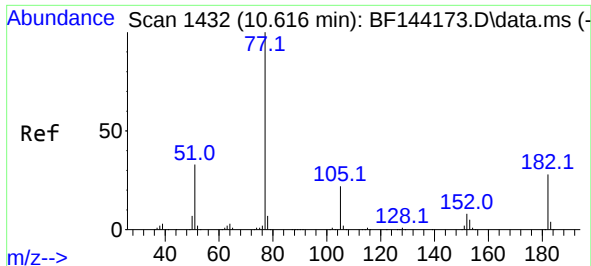
Tgt Ion:165 Resp: 10167
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 7.712 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.194 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Tgt Ion:165 Resp: 10167
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#

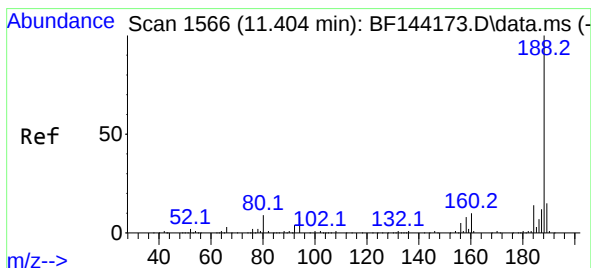
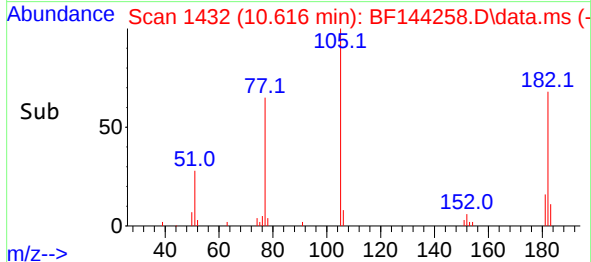
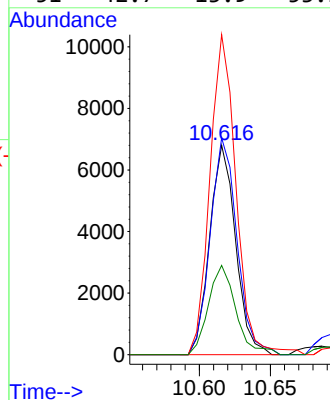
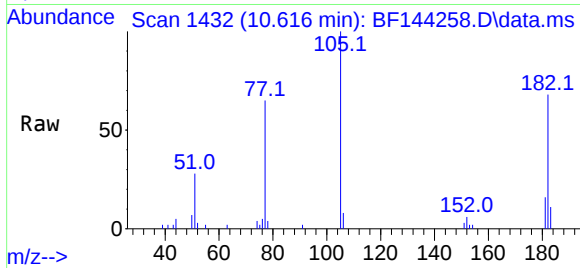




#63
Azobenzene
Concen: 2.073 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

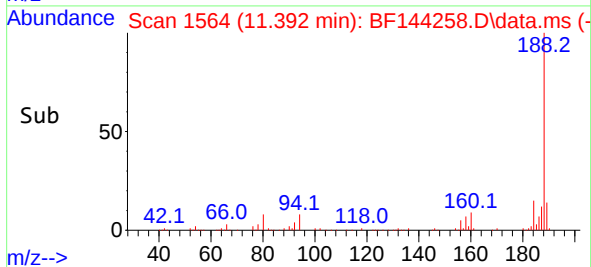
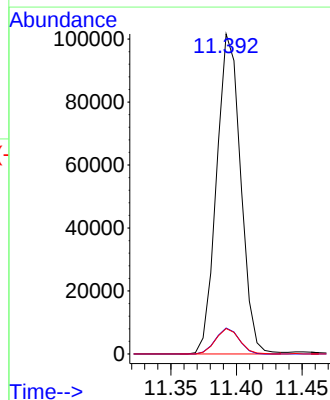
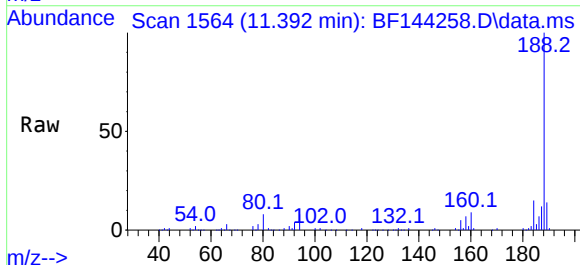
Instrument :
BNA_F
ClientSampleId :
TP-1

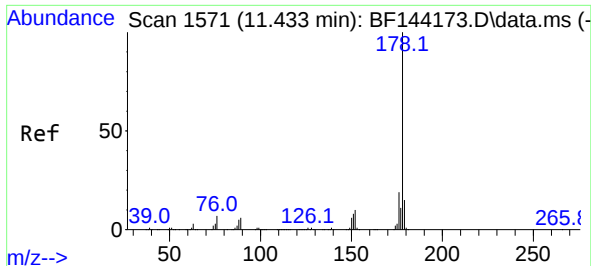
Tgt Ion: 77	Resp: 8652
Ion Ratio	Lower Upper
77 100	
182 103.6	8.1 48.1#
105 152.8	2.0 42.0#
51 42.7	13.9 53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Tgt Ion:188	Resp: 129718
Ion Ratio	Lower Upper
188 100	
94 8.1	6.2 9.2
80 8.0	6.9 10.3

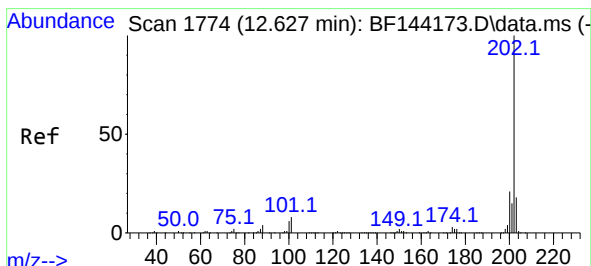
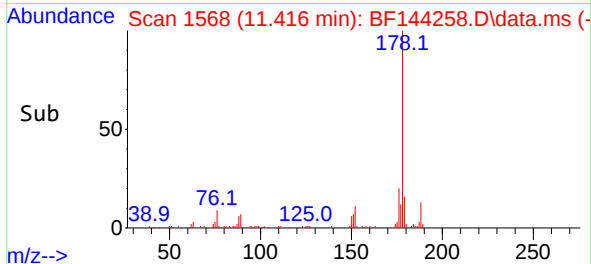
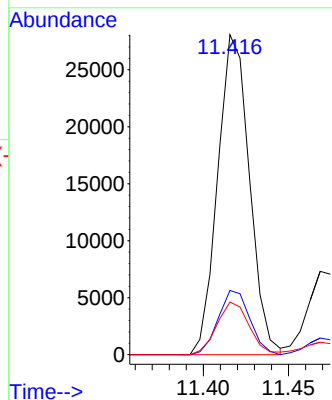
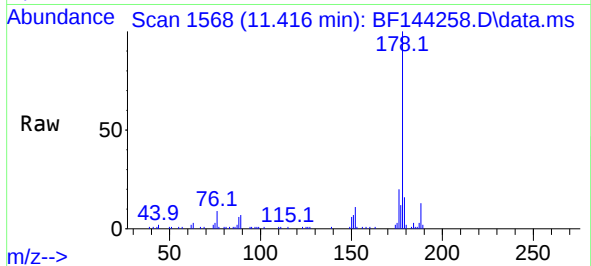




#71
Phenanthrene
Concen: 5.630 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

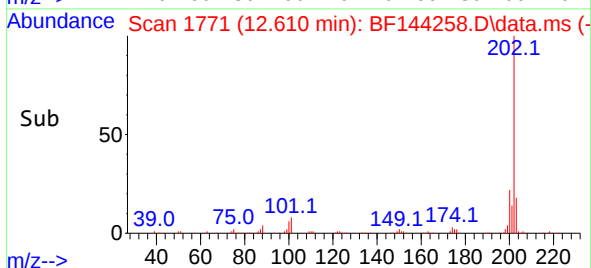
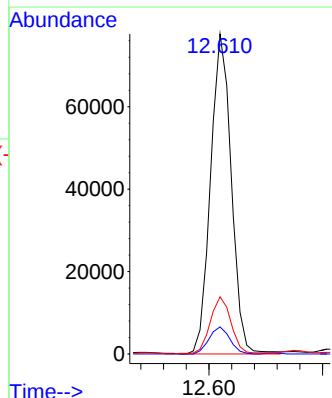
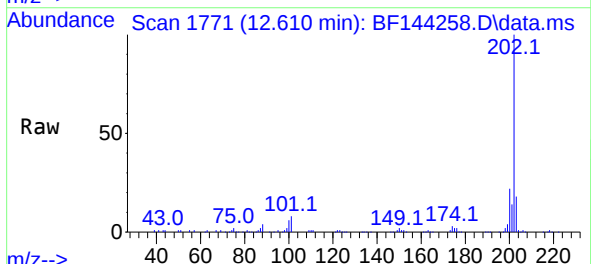
Instrument :
BNA_F
ClientSampleId :
TP-1

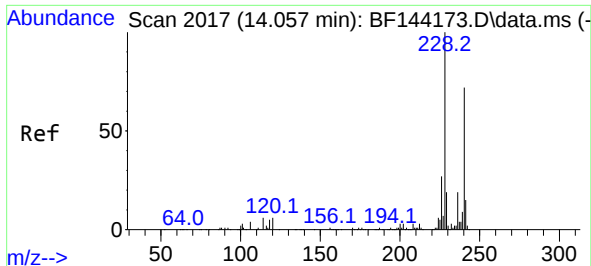
Tgt Ion:178 Resp: 36362
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 16.5 12.2 18.4



#75
Fluoranthene
Concen: 14.762 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Tgt Ion:202 Resp: 98484
Ion Ratio Lower Upper
202 100
101 8.5 0.0 27.9
203 17.8 0.0 37.5

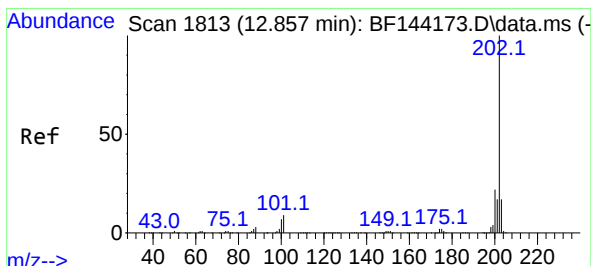
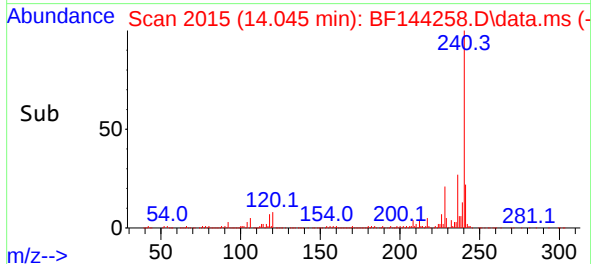
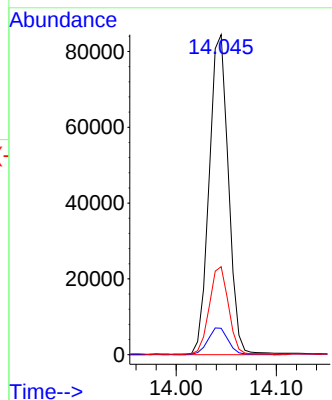
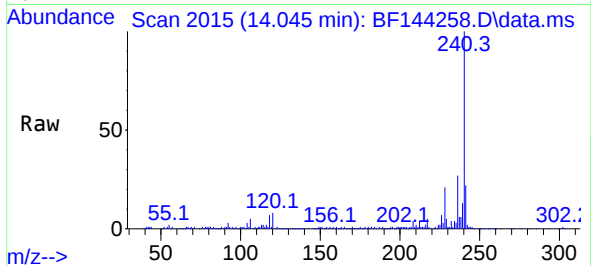




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

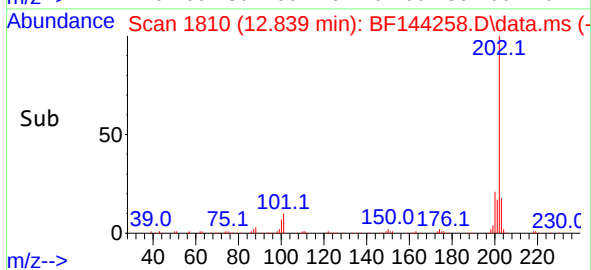
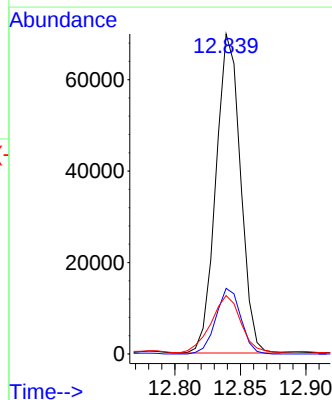
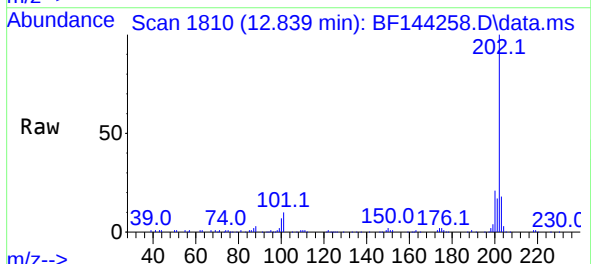
Instrument :
BNA_F
ClientSampleId :
TP-1

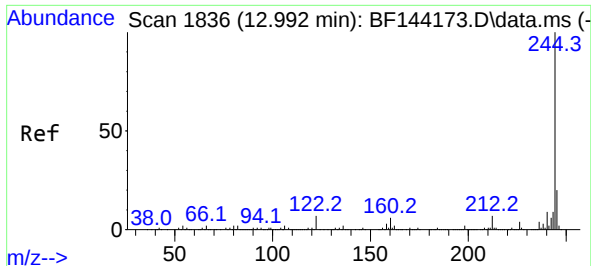
Tgt Ion:240 Resp: 113165
Ion Ratio Lower Upper
240 100
120 8.2 6.6 10.0
236 27.5 21.4 32.2



#78
Pyrene
Concen: 9.974 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

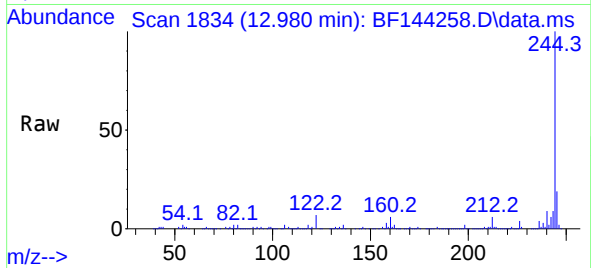
Tgt Ion:202 Resp: 91011
Ion Ratio Lower Upper
202 100
200 20.5 17.2 25.8
203 18.3 13.7 20.5



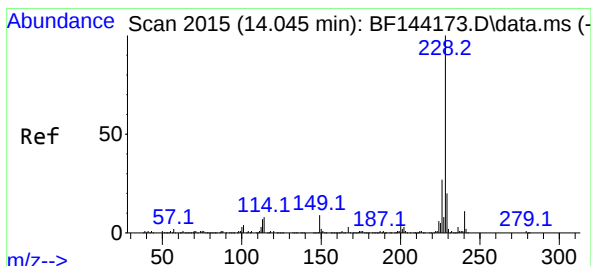
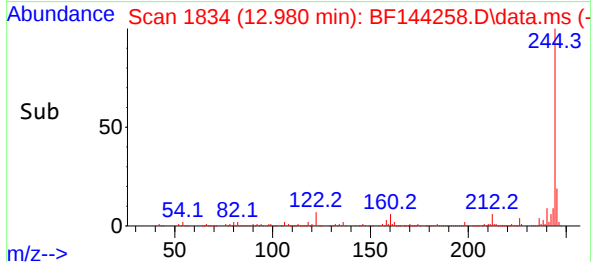
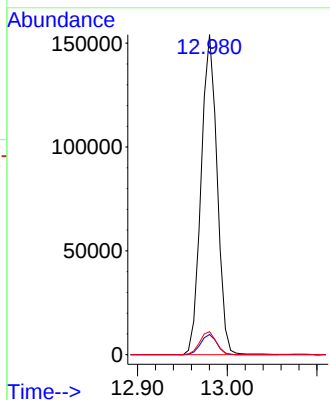


#79
Terphenyl-d14
Concen: 26.768 ng
RT: 12.980 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Instrument :
BNA_F
ClientSampleId :
TP-1

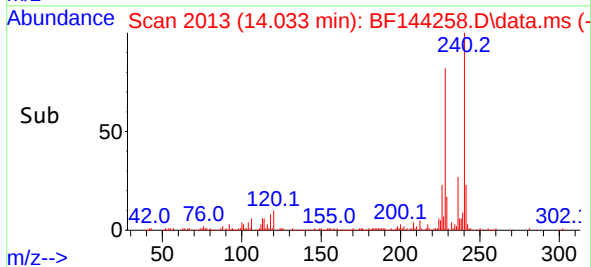
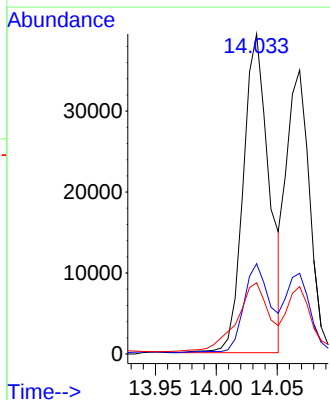
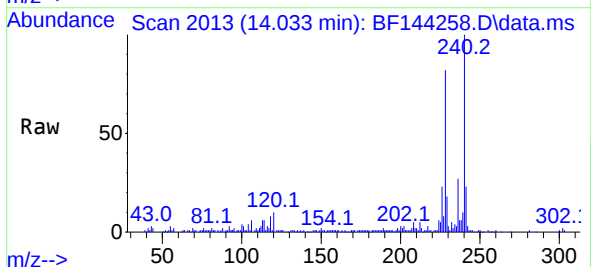


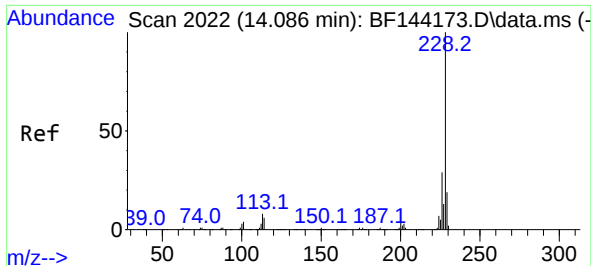
Tgt Ion:244 Resp: 190710
Ion Ratio Lower Upper
244 100
212 6.3 5.3 7.9
122 7.2 5.6 8.4



#81
Benzo(a)anthracene
Concen: 7.455 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Tgt Ion:228 Resp: 58470
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.8
229 22.2 15.8 23.6

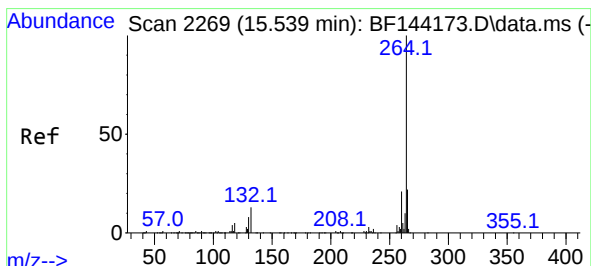
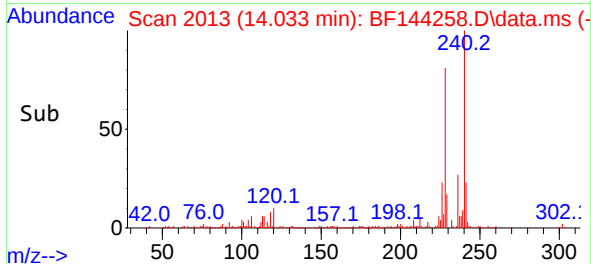
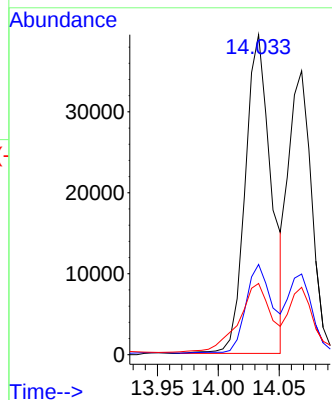
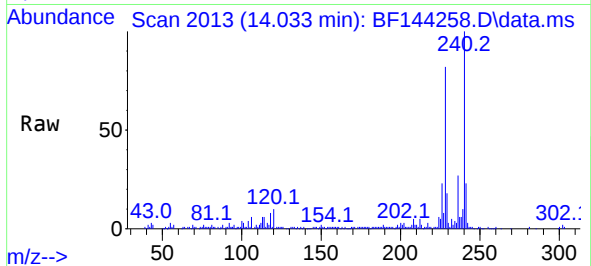




#83
Chrysene
Concen: 8.076 ng
RT: 14.033 min Scan# 20
Delta R.T. -0.047 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

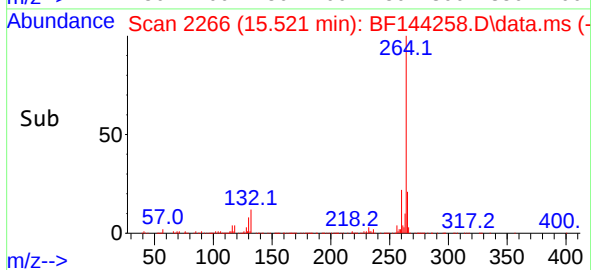
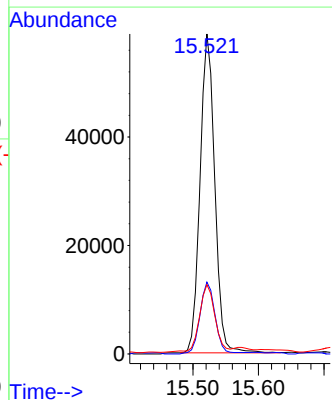
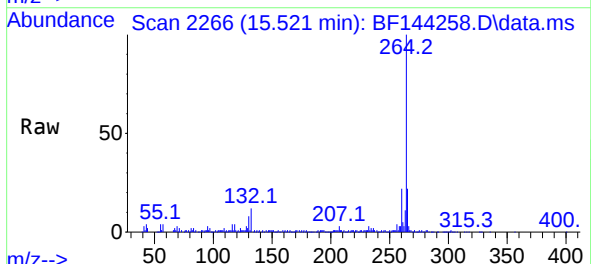
Instrument :
BNA_F
ClientSampleId :
TP-1

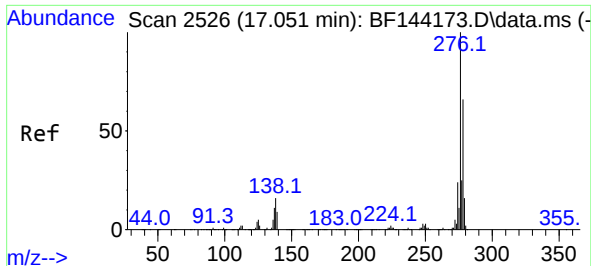
Tgt Ion:228 Resp: 58470
Ion Ratio Lower Upper
228 100
226 28.2 22.9 34.3
229 22.2 15.0 22.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Tgt Ion:264 Resp: 92089
Ion Ratio Lower Upper
264 100
260 22.4 17.1 25.7
265 21.6 17.4 26.0

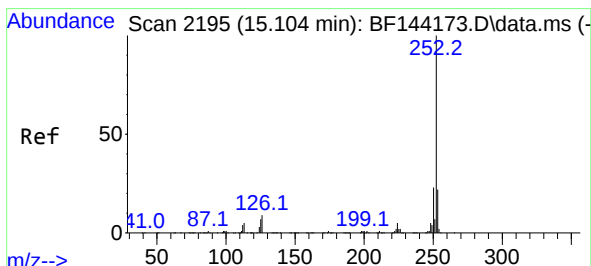
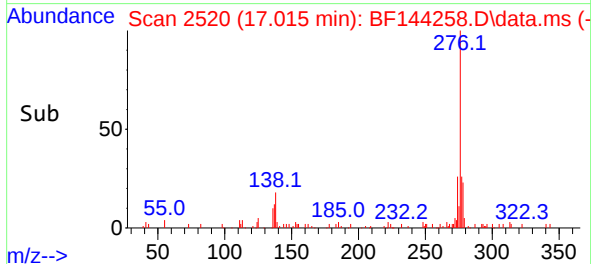
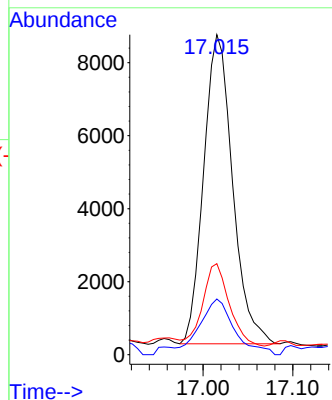
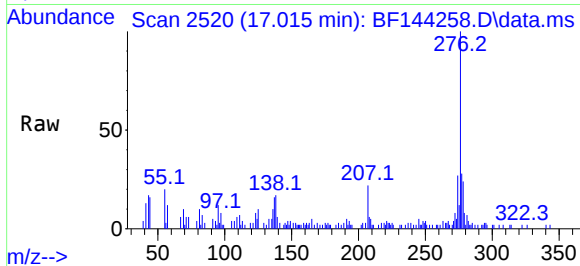




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.869 ng
RT: 17.015 min Scan# 2193
Delta R.T. -0.018 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

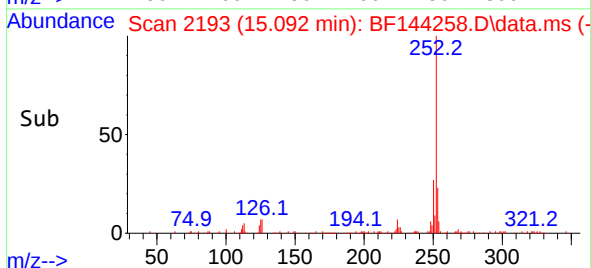
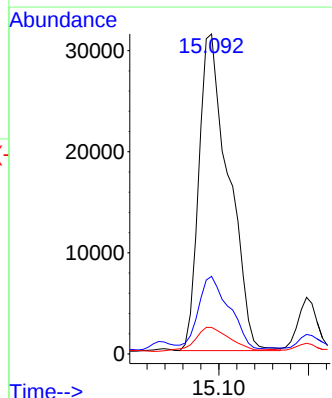
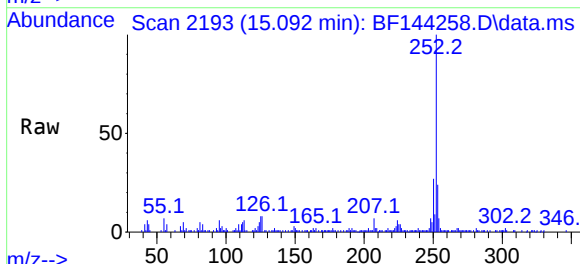
Instrument :
BNA_F
ClientSampleId :
TP-1

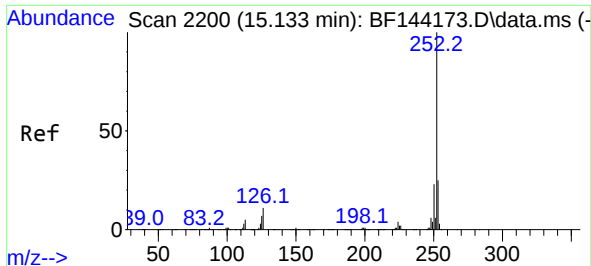
Tgt Ion:276 Resp: 18965
Ion Ratio Lower Upper
276 100
138 21.5 13.9 20.9#
277 24.5 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 13.788 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Tgt Ion:252 Resp: 72188
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 8.3 5.3 7.9#





#89

Benzo(k)fluoranthene

Concen: 14.731 ng

RT: 15.092 min Scan# 2193

Delta R.T. -0.035 min

Lab File: BF144258.D

Acq: 14 Nov 2025 12:46

Instrument :

BNA_F

ClientSampleId :

TP-1

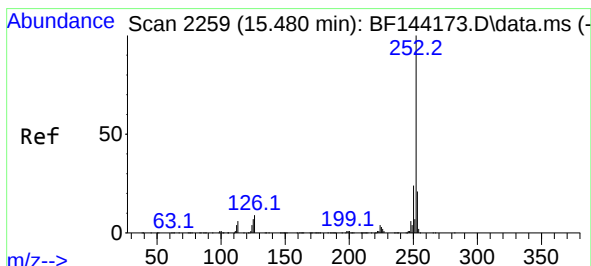
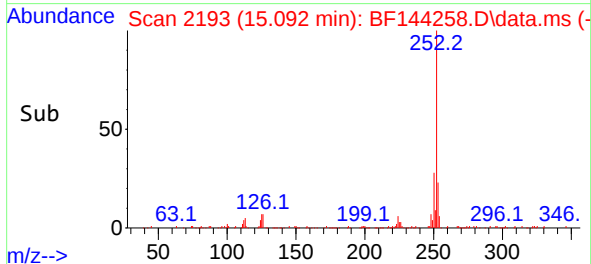
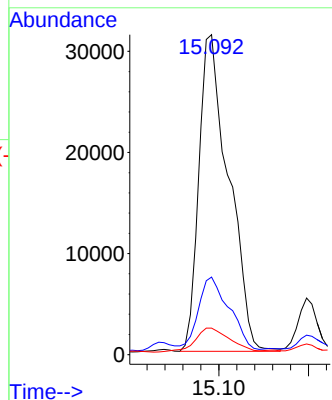
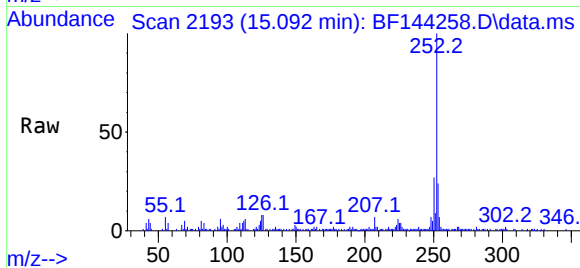
Tgt Ion:252 Resp: 72188

Ion Ratio Lower Upper

252 100

253 24.2 18.0 27.0

125 8.3 5.4 8.2#



#90

Benzo(a)pyrene

Concen: 6.939 ng

RT: 15.457 min Scan# 2255

Delta R.T. -0.018 min

Lab File: BF144258.D

Acq: 14 Nov 2025 12:46

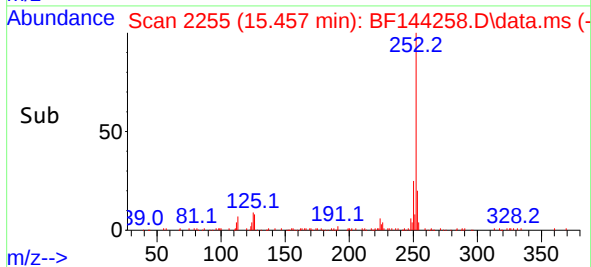
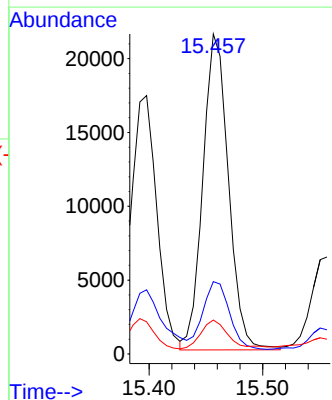
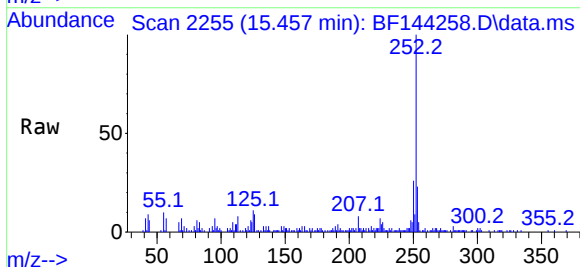
Tgt Ion:252 Resp: 33516

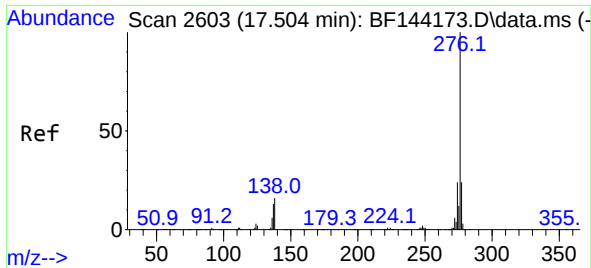
Ion Ratio Lower Upper

252 100

253 22.6 16.7 25.1

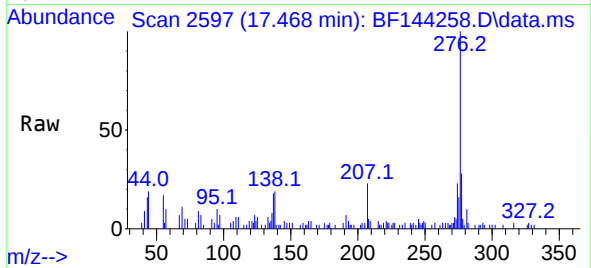
125 10.6 5.7 8.5#





#92
Benzo(g,h,i)perylene
Concen: 4.060 ng
RT: 17.468 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.5	19.0	28.4#
138	19.2	12.9	19.3

