

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102025\
 Data File : BF144002.D
 Acq On : 20 Oct 2025 16:56
 Operator : RC/JU
 Sample : Q3374-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-WC

Quant Time: Oct 20 18:36:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

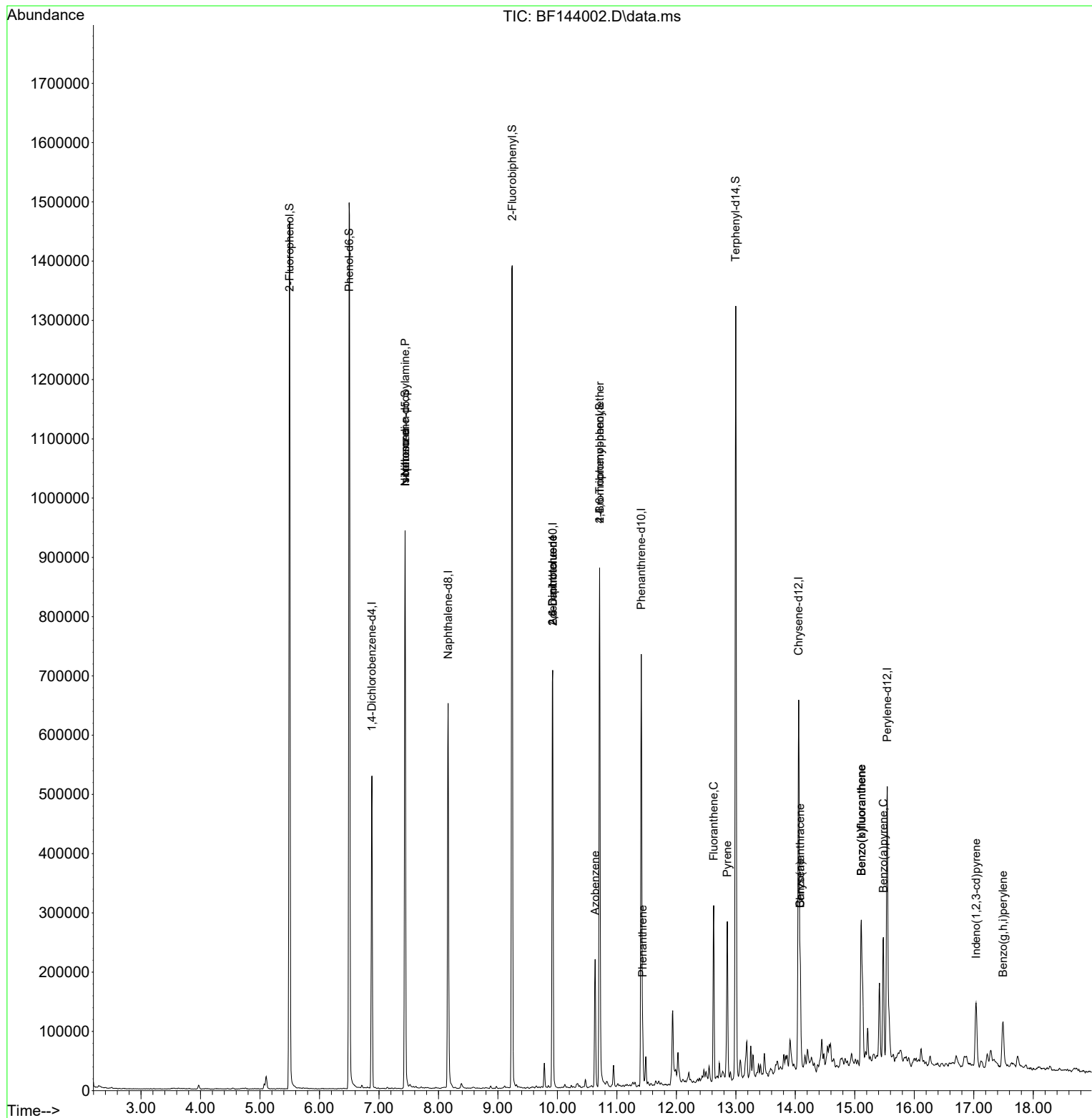
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	110827	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	418899	20.00	ng	0.00
39) Acenaphthene-d10	9.922	164	225245	20.00	ng	0.00
64) Phenanthrene-d10	11.410	188	377686	20.00	ng	0.00
76) Chrysene-d12	14.057	240	241791	20.00	ng	-0.01
86) Perylene-d12	15.545	264	297533	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	572196	81.99	ng	0.00
7) Phenol-d6	6.498	99	698476	83.96	ng	-0.02
23) Nitrobenzene-d5	7.440	82	403753	58.56	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	169242	75.44	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	681468	48.01	ng	-0.01
79) Terphenyl-d14	12.998	244	667090	47.15	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	56004	9.84	ng	# 77
25) Isophorone	7.440	82	337218	23.20	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	27559	10.39	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	27559	7.64	ng	# 27
63) Azobenzene	10.633	77	55052	3.96	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	10269	2.46	ng	# 1
71) Phenanthrene	11.433	178	50261	2.74	ng	97
75) Fluoranthene	12.627	202	169805	8.98	ng	98
78) Pyrene	12.857	202	152488	7.56	ng	98
81) Benzo(a)anthracene	14.080	228	100466	6.35	ng	94
83) Chrysene	14.080	228	100466	6.86	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	81805	4.49	ng	98
88) Benzo(b)fluoranthene	15.110	252	223249	13.06	ng	97
89) Benzo(k)fluoranthene	15.110	252	223249	14.12	ng	# 98
90) Benzo(a)pyrene	15.480	252	128045	8.64	ng	# 98
92) Benzo(g,h,i)perylene	17.492	276	74104	5.05	ng	97

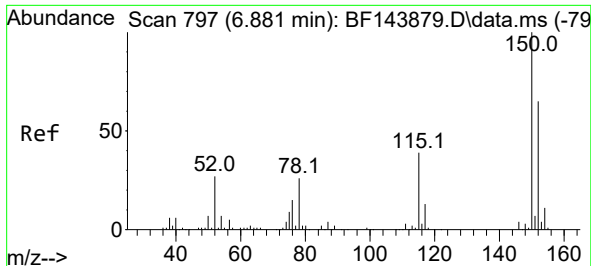
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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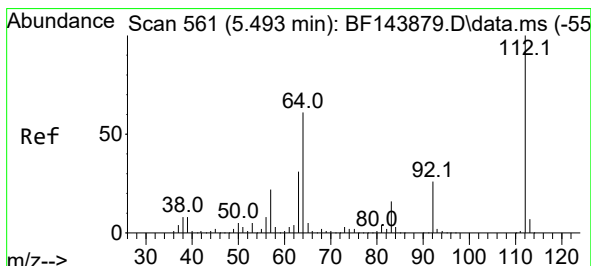
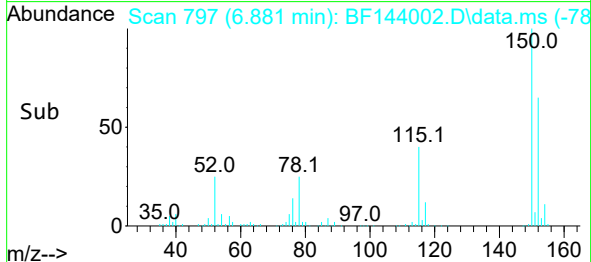
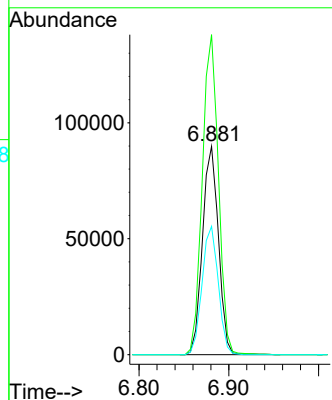
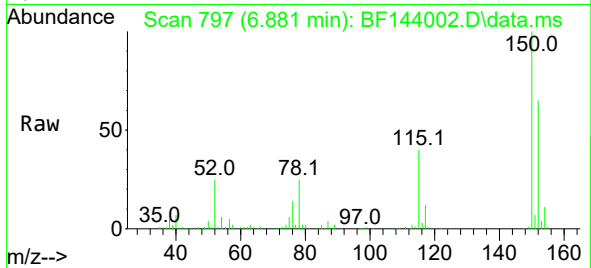




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.005 min
 Lab File: BF144002.D
 Acq: 20 Oct 2025 16:56

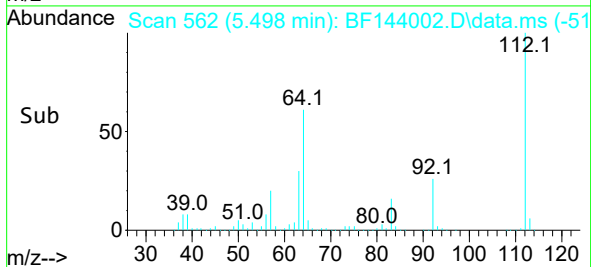
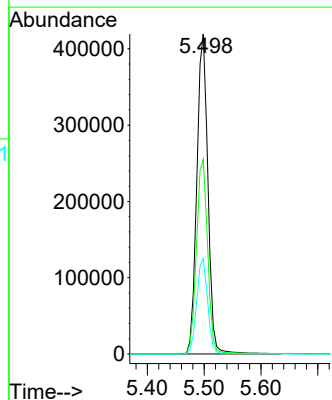
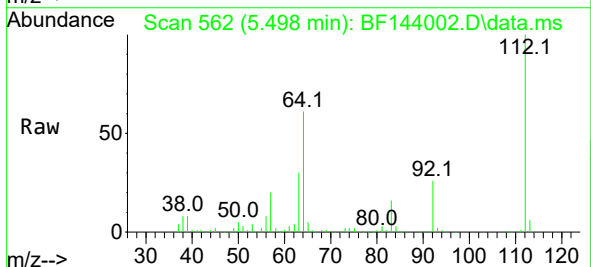
Instrument :
 BNA_F
 ClientSampleId :
 TP-4-WC

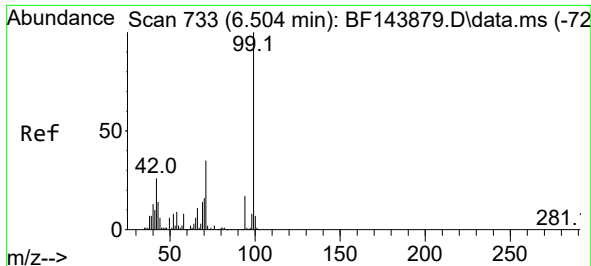
Tgt Ion:152 Resp: 110827
 Ion Ratio Lower Upper
 152 100
 150 153.6 124.4 186.6
 115 61.6 48.1 72.1



#5
 2-Fluorophenol
 Concen: 81.99 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.000 min
 Lab File: BF144002.D
 Acq: 20 Oct 2025 16:56

Tgt Ion:112 Resp: 572196
 Ion Ratio Lower Upper
 112 100
 64 60.8 49.1 73.7
 63 29.7 24.5 36.7

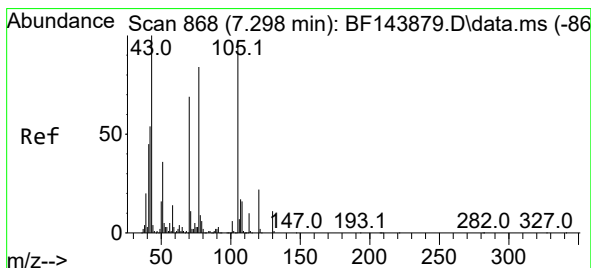
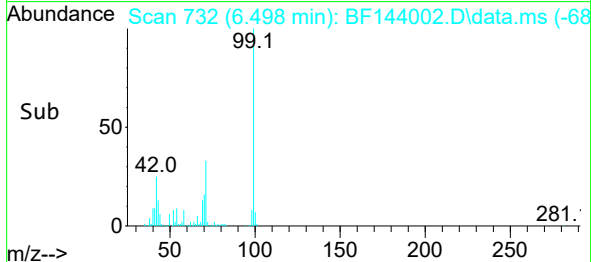
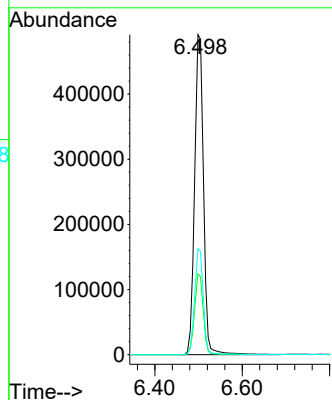
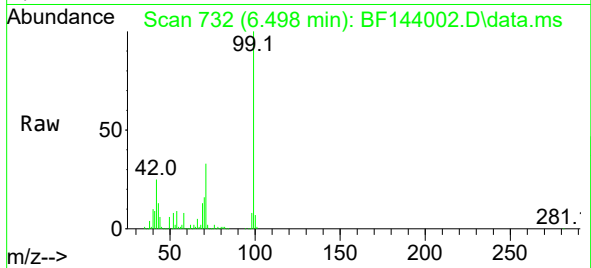




#7
Phenol-d6
Concen: 83.96 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF144002.D
Acq: 20 Oct 2025 16:56

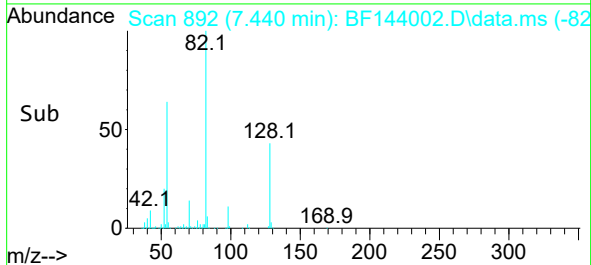
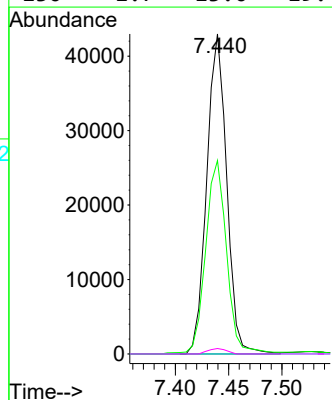
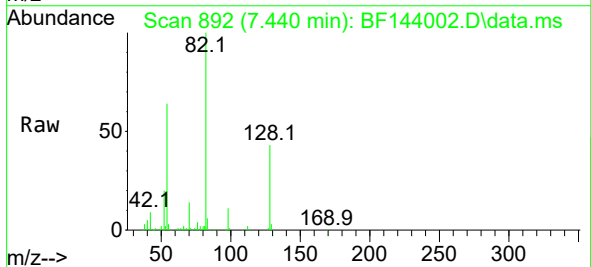
Instrument :
BNA_F
ClientSampleId :
TP-4-WC

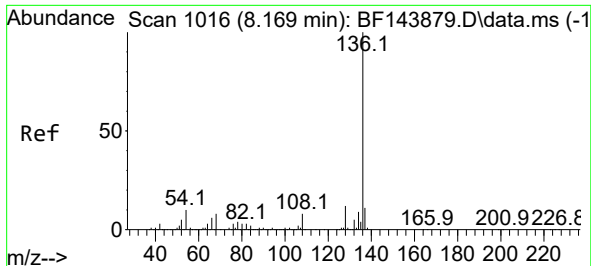
Tgt Ion: 99 Resp: 698476
Ion Ratio Lower Upper
99 100
42 25.3 21.0 31.4
71 33.1 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.84 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF144002.D
Acq: 20 Oct 2025 16:56

Tgt Ion: 70 Resp: 56004
Ion Ratio Lower Upper
70 100
42 60.5 62.8 94.2#
101 0.0 6.7 10.1#
130 1.7 13.0 19.4#



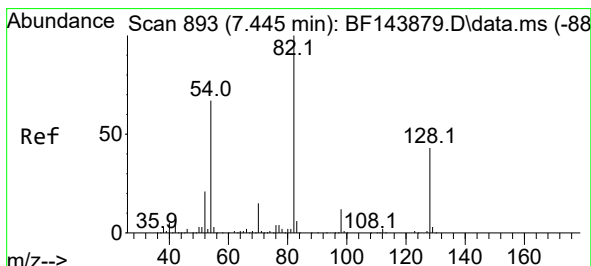
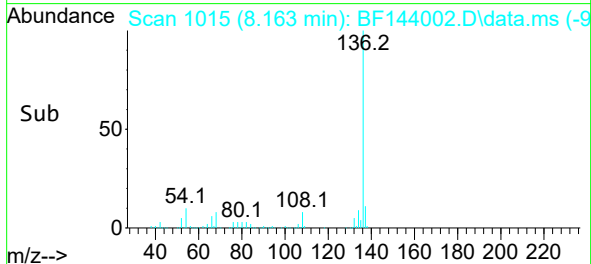
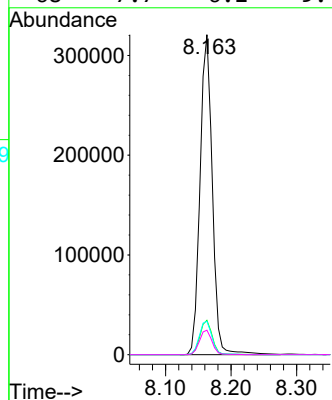
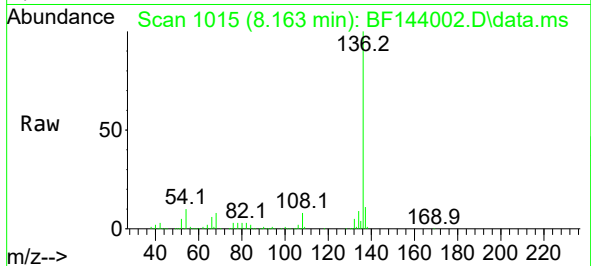


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144002.D
Acq: 20 Oct 2025 16:56

Instrument :
BNA_F
ClientSampleId :
TP-4-WC

Tgt Ion:136 Resp: 418899

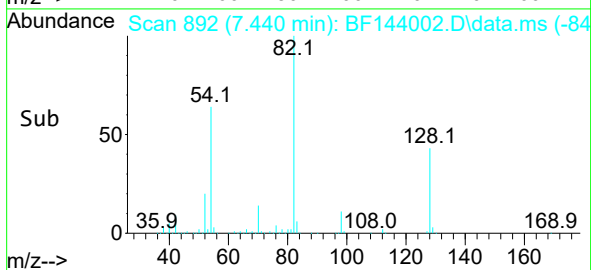
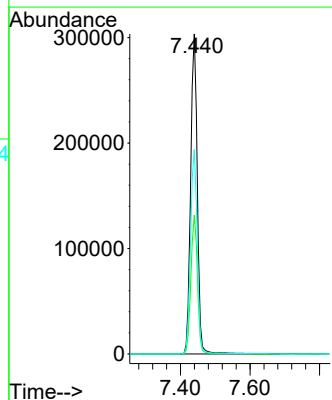
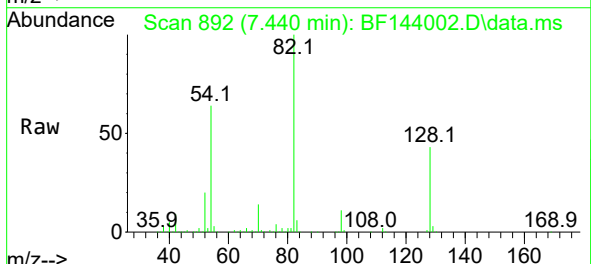
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	10.5	8.2	12.4
68	7.7	6.2	9.4

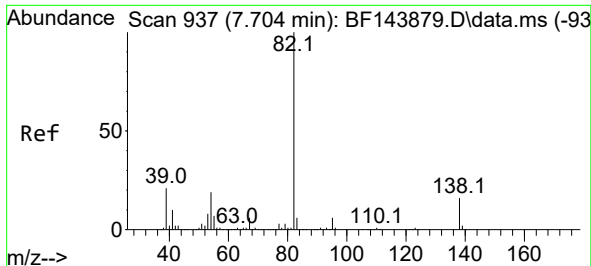


#23
Nitrobenzene-d5
Concen: 58.56 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF144002.D
Acq: 20 Oct 2025 16:56

Tgt Ion: 82 Resp: 403753

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.0	51.0
54	63.9	53.2	79.8

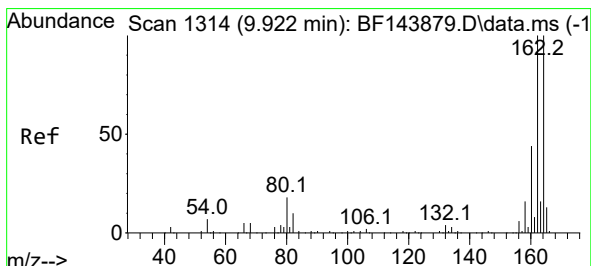
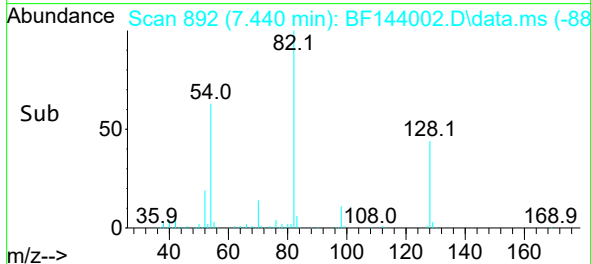
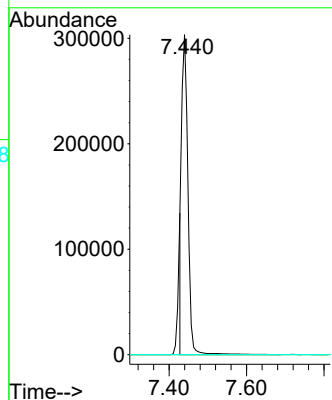
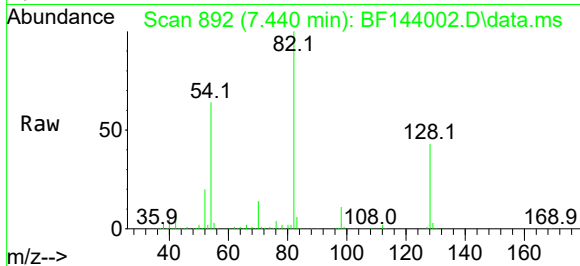




#25
Isophorone
Concen: 23.20 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF144002.D
Acq: 20 Oct 2025 16:56

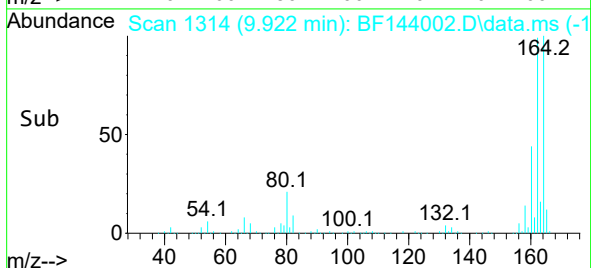
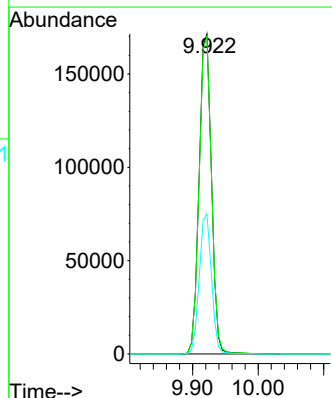
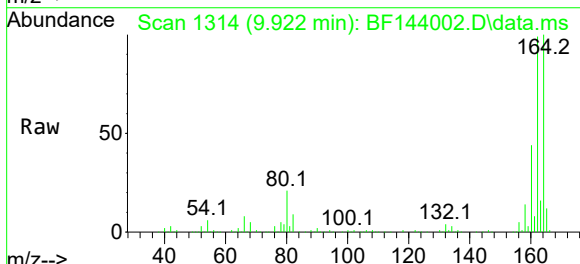
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BNA_F
ClientSampleId :
TP-4-WC

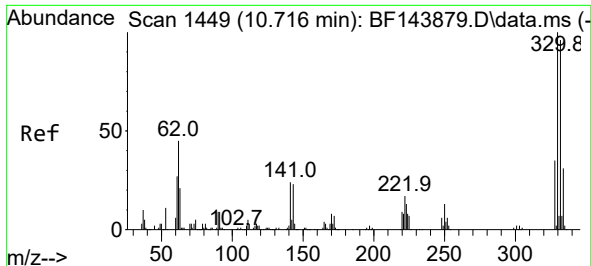
Tgt Ion: 82 Resp: 337218
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144002.D
Acq: 20 Oct 2025 16:56

Tgt Ion: 164 Resp: 225245
Ion Ratio Lower Upper
164 100
162 99.2 80.2 120.2
160 43.7 35.4 53.0

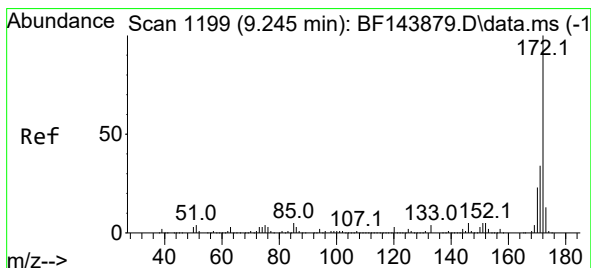
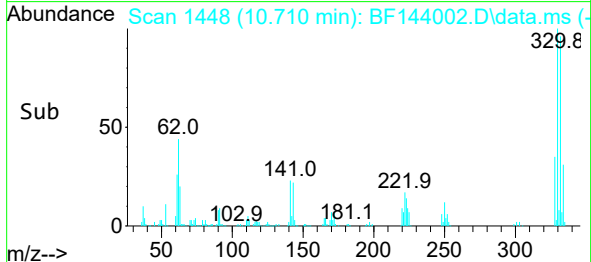
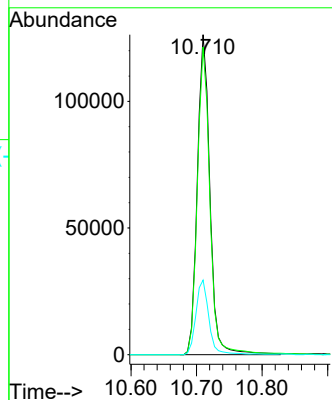
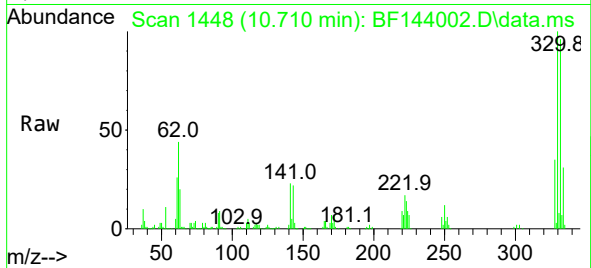




#42
2,4,6-Tribromophenol
Concen: 75.44 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF144002.D
Acq: 20 Oct 2025 16:56

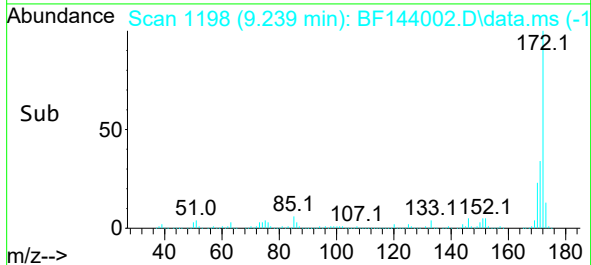
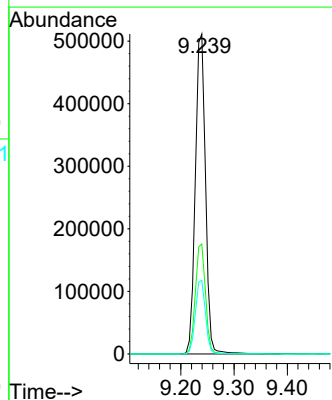
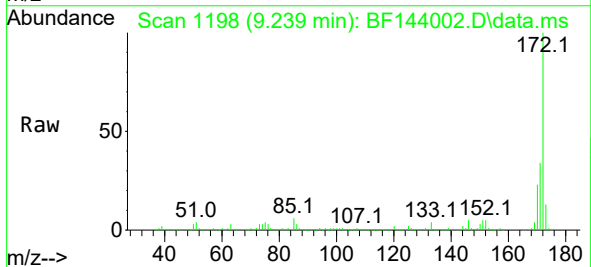
Instrument :
BNA_F
ClientSampleId :
TP-4-WC

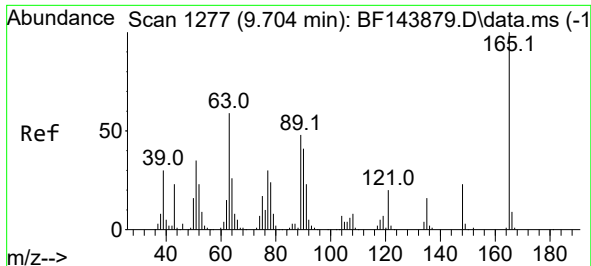
Tgt Ion:330 Resp: 169242
Ion Ratio Lower Upper
330 100
332 96.6 76.9 115.3
141 24.2 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 48.01 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF144002.D
Acq: 20 Oct 2025 16:56

Tgt Ion:172 Resp: 681468
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.0
170 23.0 18.6 28.0

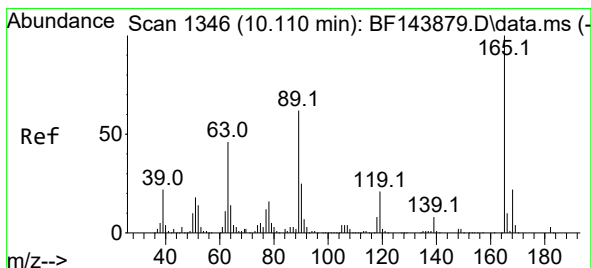
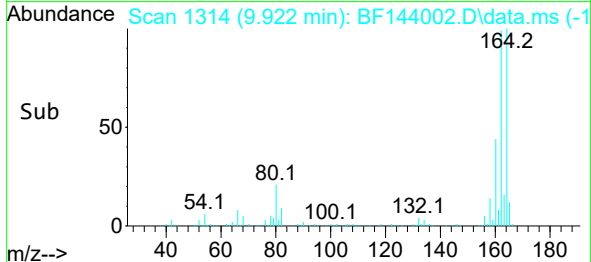
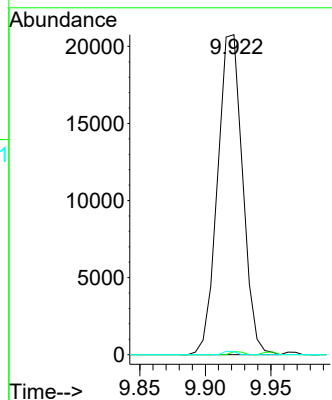
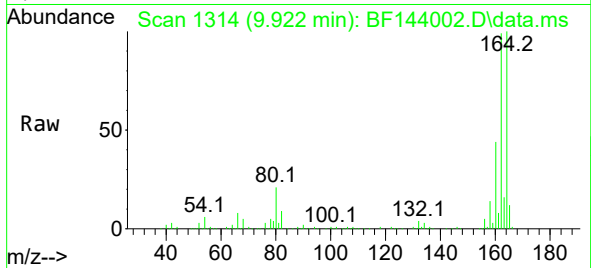




#51
2,6-Dinitrotoluene
Concen: 10.39 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF144002.D
Acq: 20 Oct 2025 16:56

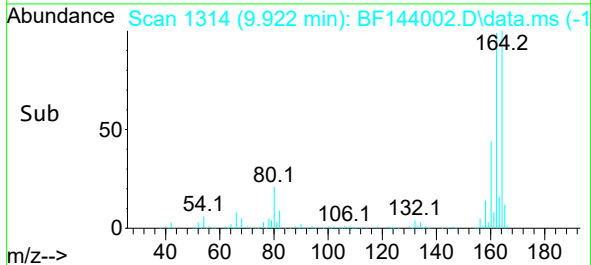
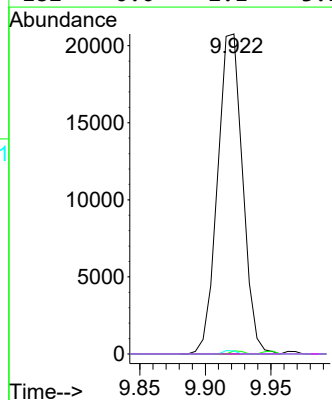
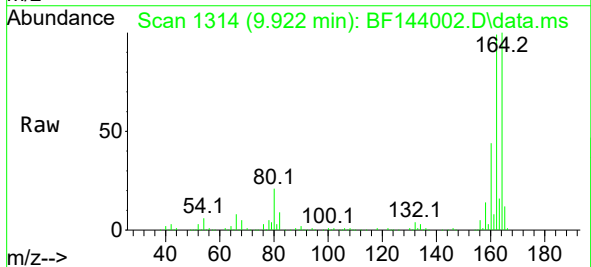
Instrument :
BNA_F
ClientSampleId :
TP-4-WC

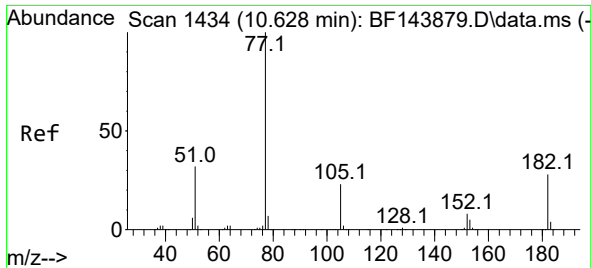
Tgt Ion:165 Resp: 27559
Ion Ratio Lower Upper
165 100
63 0.9 47.3 70.9#
89 1.0 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 7.64 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF144002.D
Acq: 20 Oct 2025 16:56

Tgt Ion:165 Resp: 27559
Ion Ratio Lower Upper
165 100
63 0.9 37.2 55.8#
89 1.0 49.4 74.2#
182 0.0 2.1 3.1#

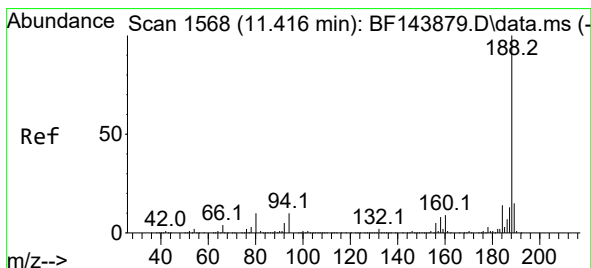
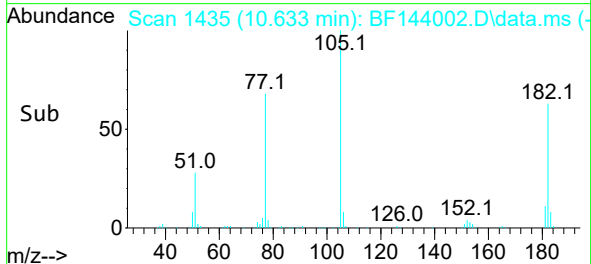
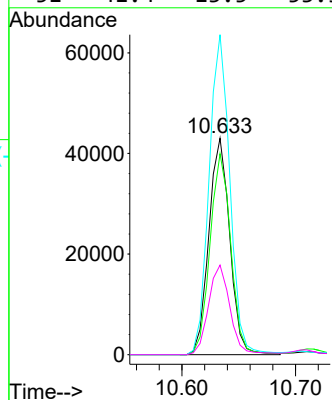
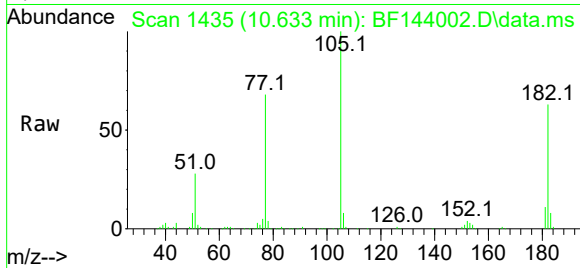




#63
 Azobenzene
 Concen: 3.96 ng
 RT: 10.633 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: BF144002.D
 Acq: 20 Oct 2025 16:56

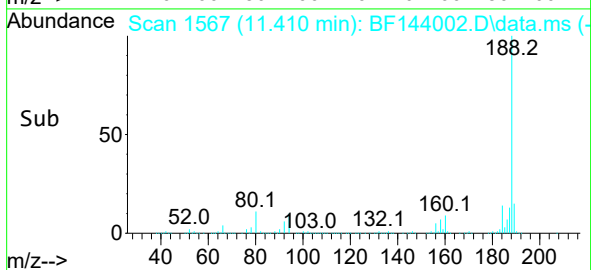
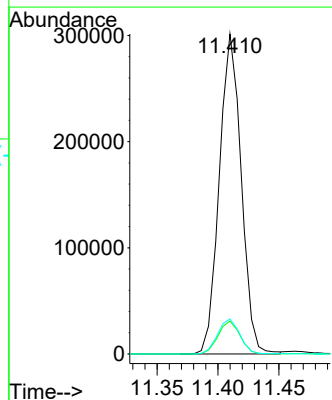
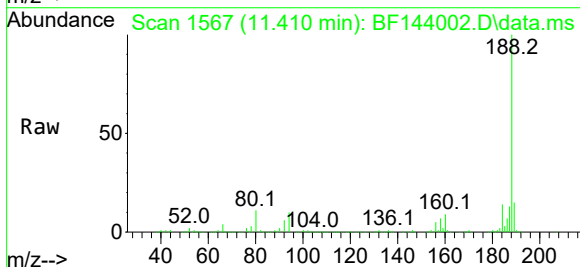
Instrument :
 BNA_F
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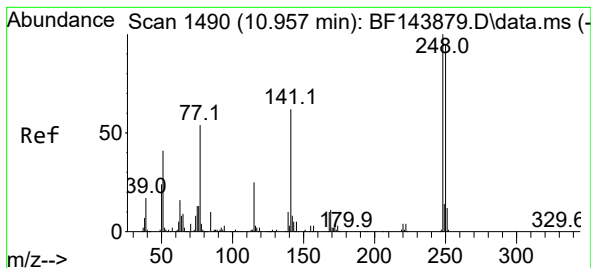
Tgt Ion: 77 Resp: 55052
 Ion Ratio Lower Upper
 77 100
 182 92.8 7.3 47.3#
 105 147.8 3.0 43.0#
 51 41.4 13.5 53.5



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.410 min Scan# 1567
 Delta R.T. -0.006 min
 Lab File: BF144002.D
 Acq: 20 Oct 2025 16:56

Tgt Ion: 188 Resp: 377686
 Ion Ratio Lower Upper
 188 100
 94 10.3 7.8 11.6
 80 10.9 7.9 11.9

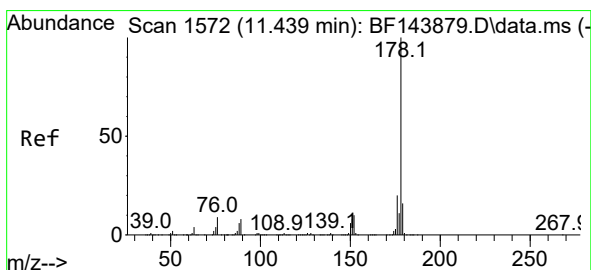
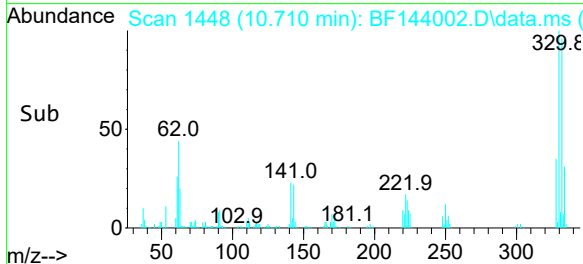
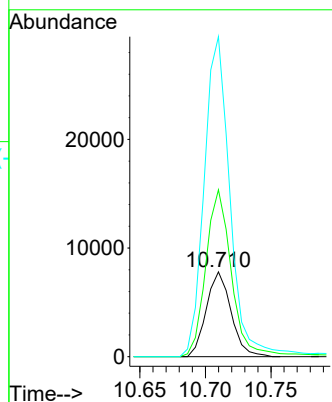
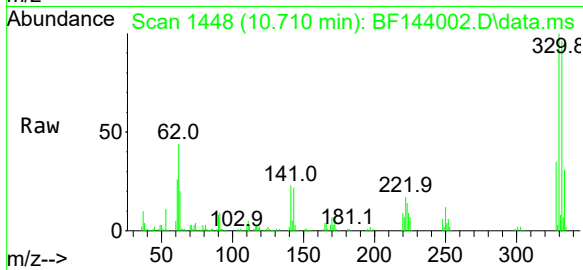




#67
4-Bromophenyl-phenylether
Concen: 2.46 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF144002.D
Acq: 20 Oct 2025 16:56

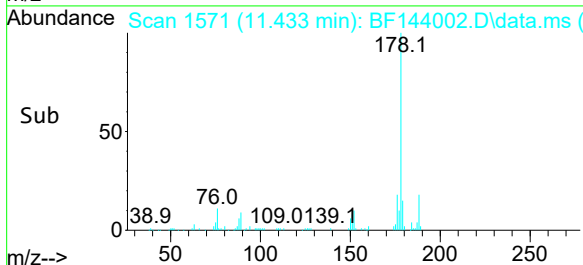
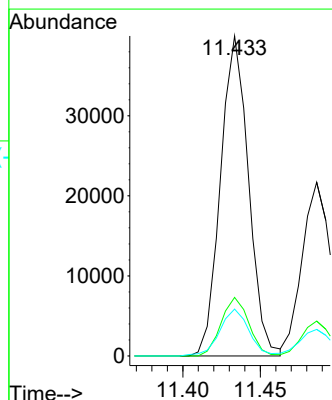
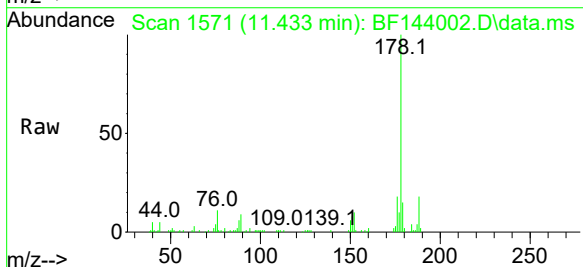
Instrument :
BNA_F
ClientSampleId :
TP-4-WC

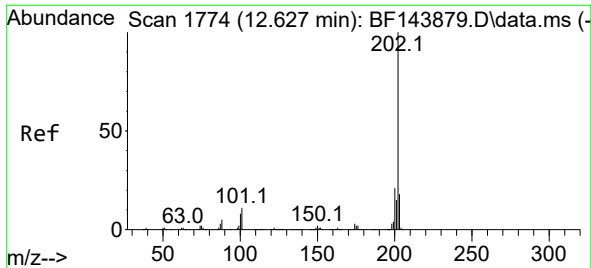
Tgt Ion:248 Resp: 10269
Ion Ratio Lower Upper
248 100
250 196.9 76.3 114.5#
141 377.6 49.7 74.5#



#71
Phenanthrene
Concen: 2.74 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF144002.D
Acq: 20 Oct 2025 16:56

Tgt Ion:178 Resp: 50261
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 14.6 12.4 18.6

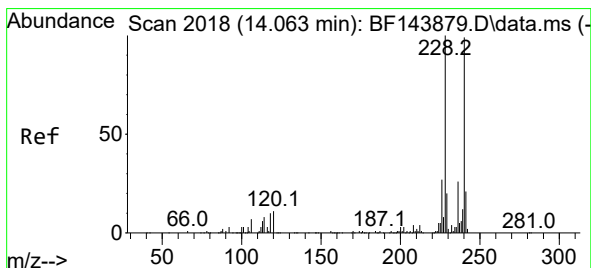
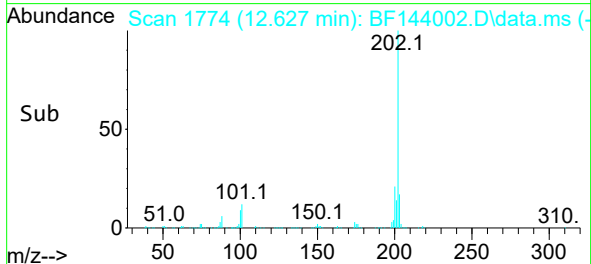
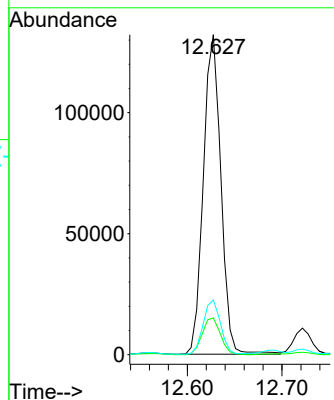
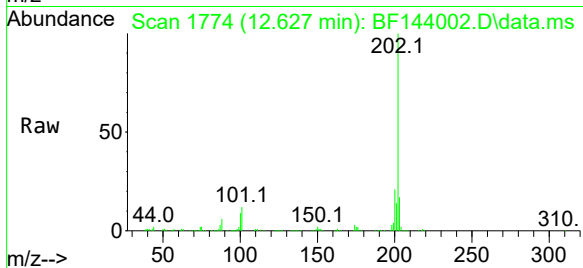




#75
Fluoranthene
Concen: 8.98 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144002.D
Acq: 20 Oct 2025 16:56

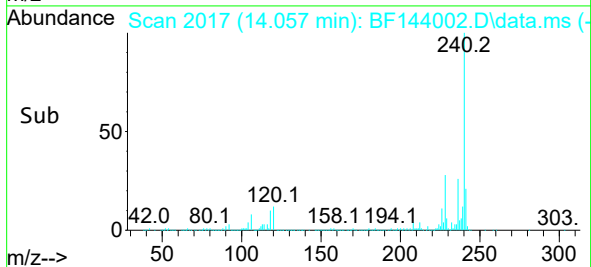
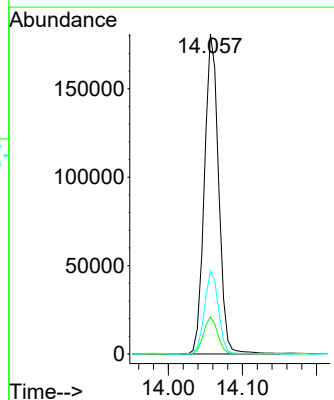
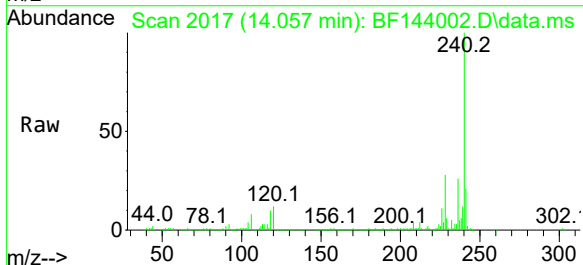
Instrument :
BNA_F
ClientSampleId :
TP-4-WC

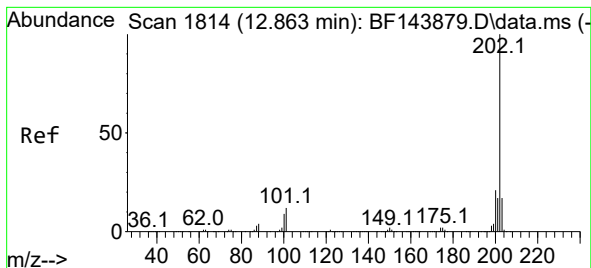
Tgt Ion:202 Resp: 169805
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.7
203 17.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144002.D
Acq: 20 Oct 2025 16:56

Tgt Ion:240 Resp: 241791
Ion Ratio Lower Upper
240 100
120 11.6 8.6 13.0
236 25.9 21.1 31.7





#78

Pyrene

Concen: 7.56 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF144002.D

Acq: 20 Oct 2025 16:56

Instrument :

BNA_F

ClientSampleId :

TP-4-WC

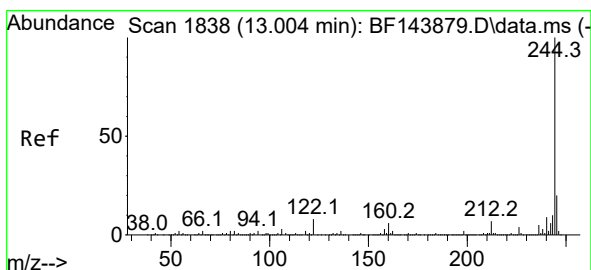
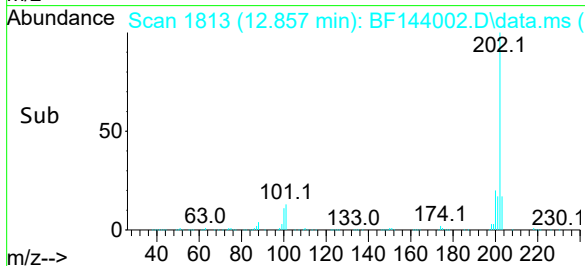
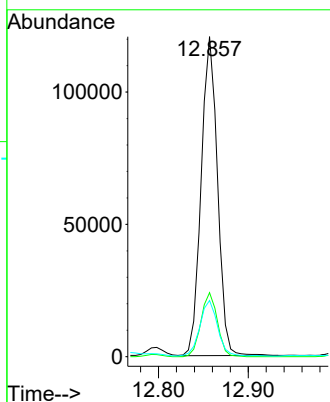
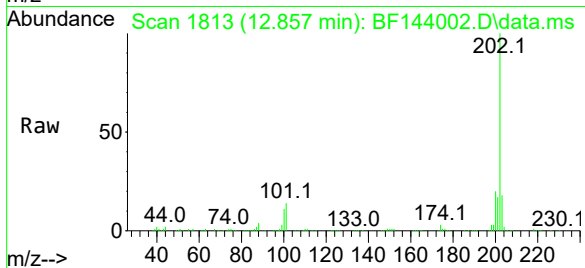
Tgt Ion:202 Resp: 152488

Ion Ratio Lower Upper

202 100

200 20.0 17.0 25.6

203 17.5 13.8 20.6



#79

Terphenyl-d14

Concen: 47.15 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF144002.D

Acq: 20 Oct 2025 16:56

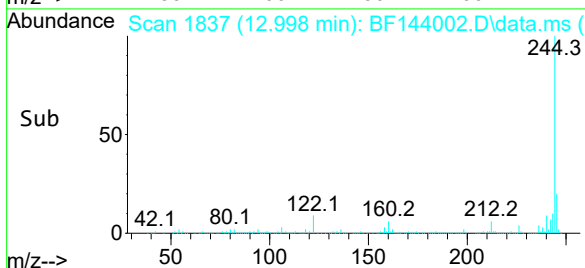
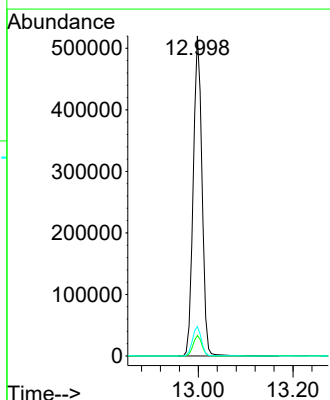
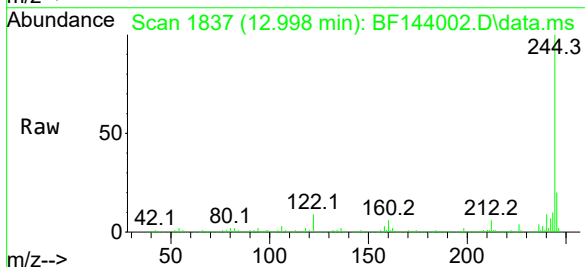
Tgt Ion:244 Resp: 667090

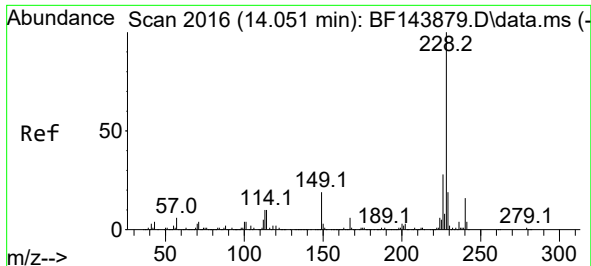
Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 9.2 6.4 9.6

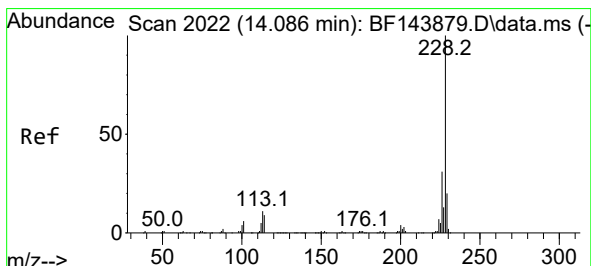
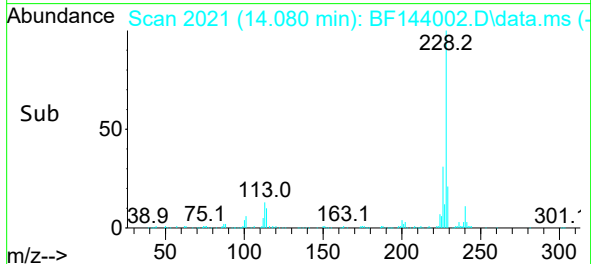
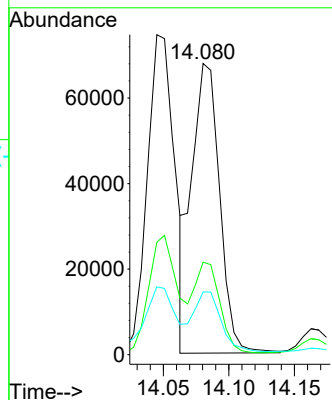
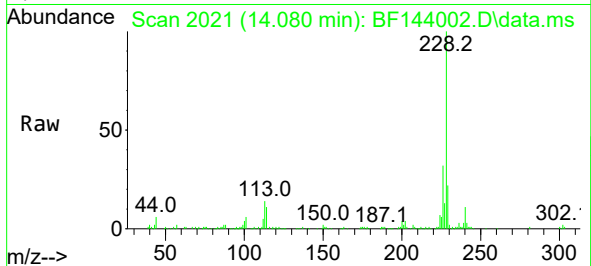




#81
Benzo(a)anthracene
Concen: 6.35 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.024 min
Lab File: BF144002.D
Acq: 20 Oct 2025 16:56

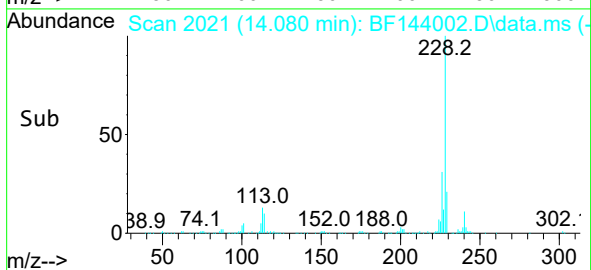
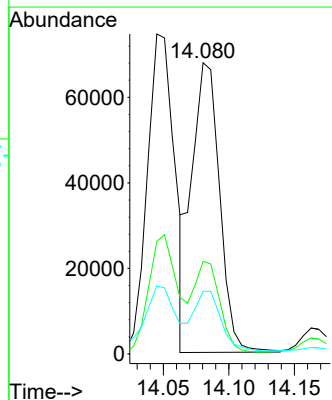
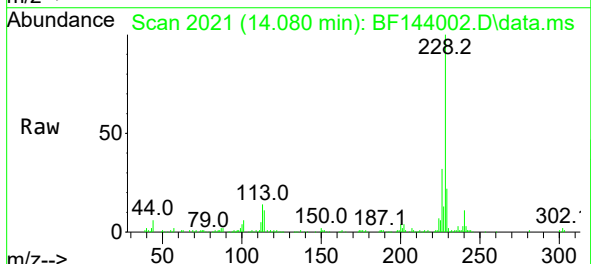
Instrument :
BNA_F
ClientSampleId :
TP-4-WC

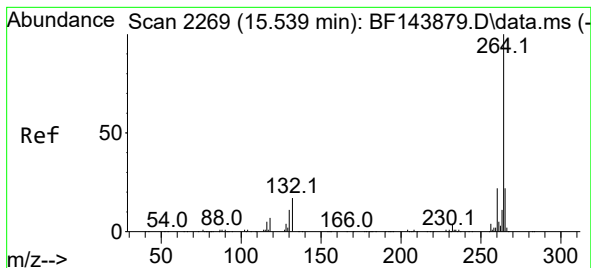
Tgt Ion:228 Resp: 100466
Ion Ratio Lower Upper
228 100
226 31.8 22.2 33.2
229 21.6 15.6 23.4



#83
Chrysene
Concen: 6.86 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF144002.D
Acq: 20 Oct 2025 16:56

Tgt Ion:228 Resp: 100466
Ion Ratio Lower Upper
228 100
226 31.8 24.4 36.6
229 21.6 15.9 23.9





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144002.D

Acq: 20 Oct 2025 16:56

Instrument :

BNA_F

ClientSampleId :

TP-4-WC

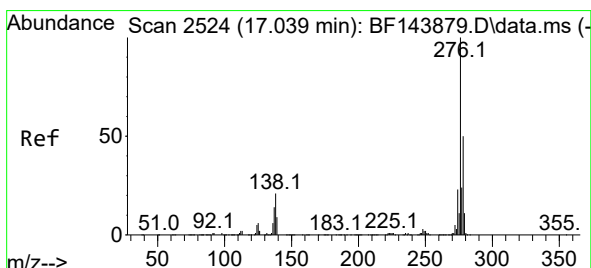
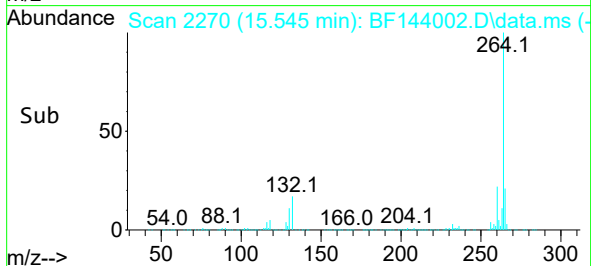
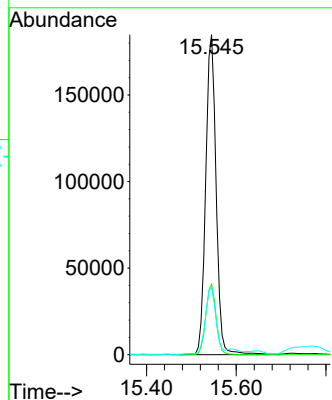
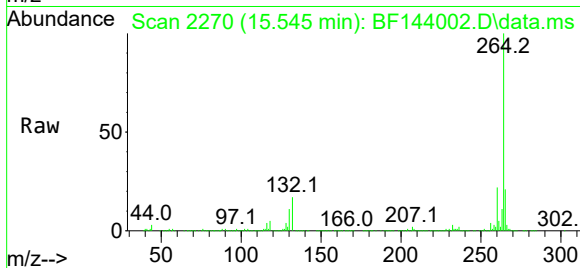
Tgt Ion:264 Resp: 297533

Ion Ratio Lower Upper

264 100

260 22.0 17.8 26.8

265 21.0 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.49 ng

RT: 17.039 min Scan# 2524

Delta R.T. -0.017 min

Lab File: BF144002.D

Acq: 20 Oct 2025 16:56

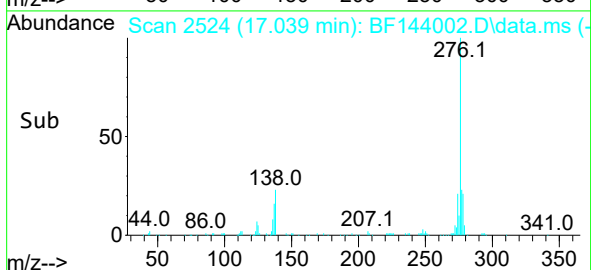
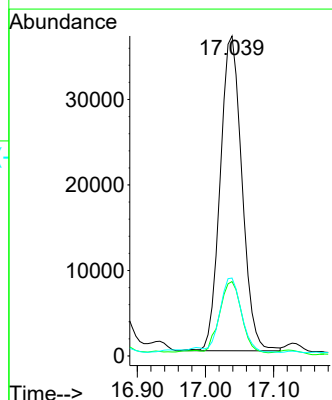
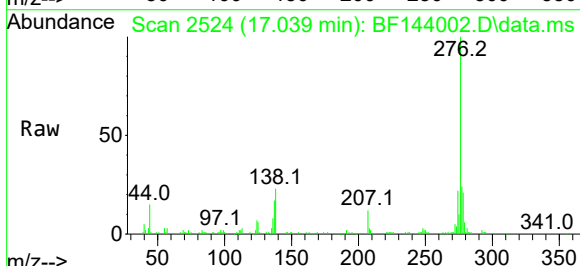
Tgt Ion:276 Resp: 81805

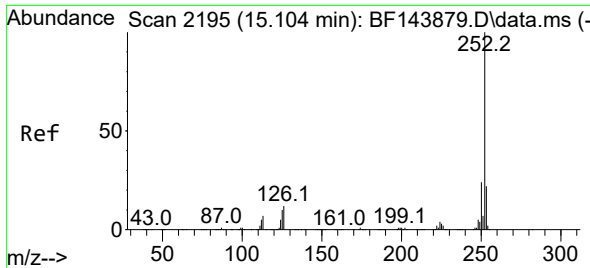
Ion Ratio Lower Upper

276 100

138 23.1 18.2 27.2

277 23.6 19.8 29.6

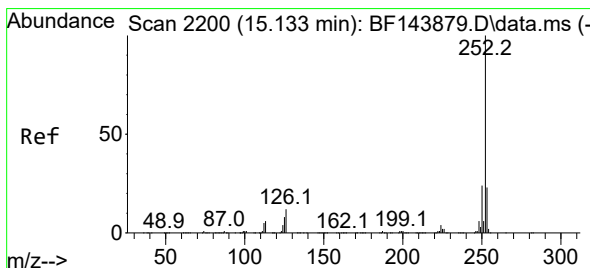
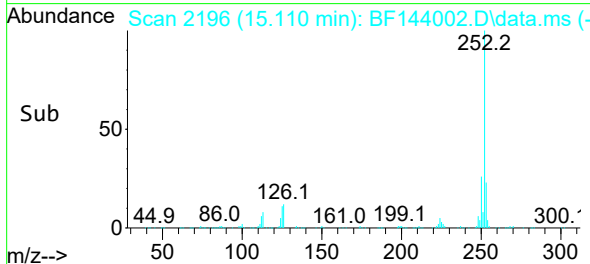
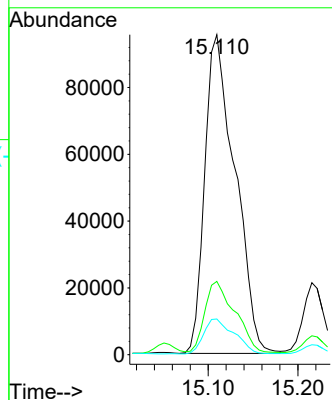
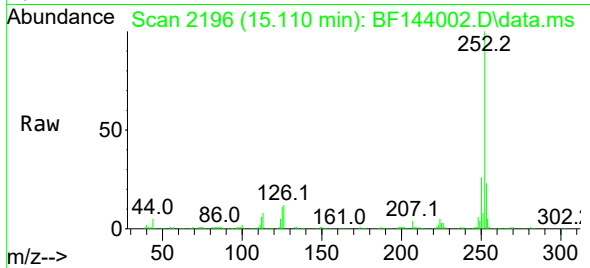




#88
 Benzo(b)fluoranthene
 Concen: 13.06 ng
 RT: 15.110 min Scan# 2196
 Delta R.T. -0.006 min
 Lab File: BF144002.D
 Acq: 20 Oct 2025 16:56

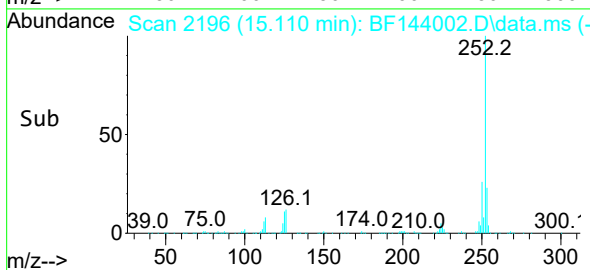
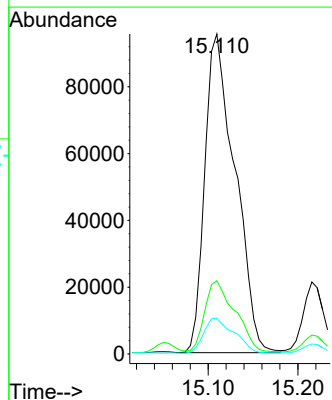
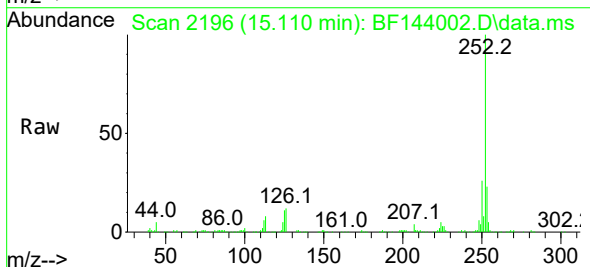
Instrument :
 BNA_F
 ClientSampleId :
 TP-4-WC

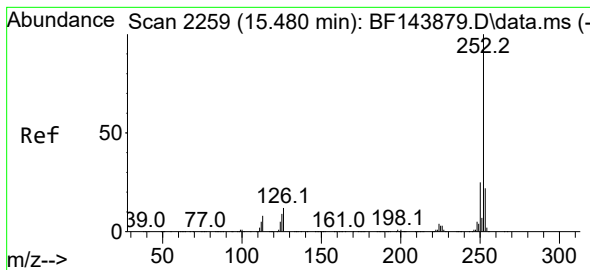
Tgt Ion:	252	Resp:	223249
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.2
125	11.2	7.8	11.6



#89
 Benzo(k)fluoranthene
 Concen: 14.12 ng
 RT: 15.110 min Scan# 2196
 Delta R.T. -0.035 min
 Lab File: BF144002.D
 Acq: 20 Oct 2025 16:56

Tgt Ion:	252	Resp:	223249
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.8	26.8
125	11.2	7.4	11.2#





#90

Benzo(a)pyrene

Concen: 8.64 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144002.D

Acq: 20 Oct 2025 16:56

Instrument :

BNA_F

ClientSampleId :

TP-4-WC

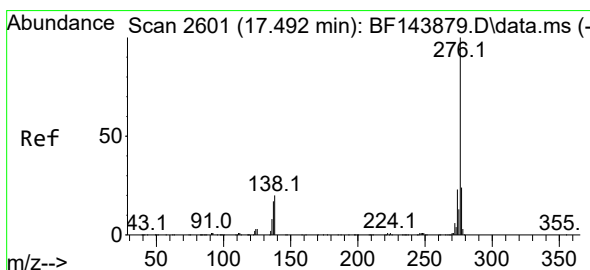
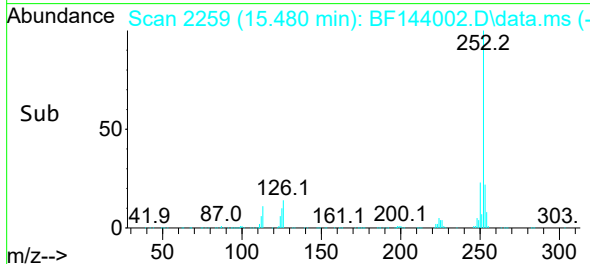
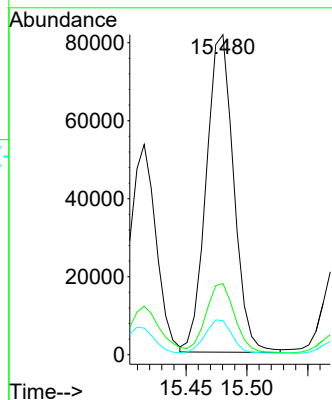
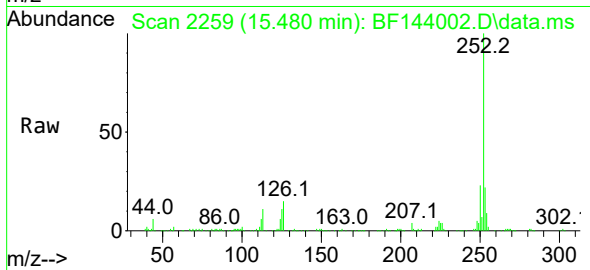
Tgt Ion:252 Resp: 128045

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 10.7 7.0 10.4#



#92

Benzo(g,h,i)perylene

Concen: 5.05 ng

RT: 17.492 min Scan# 2601

Delta R.T. -0.023 min

Lab File: BF144002.D

Acq: 20 Oct 2025 16:56

Tgt Ion:276 Resp: 74104

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.6

138 22.2 16.1 24.1

