

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
 Data File : BF141599.D
 Acq On : 12 Feb 2025 19:12
 Operator : RC/JU
 Sample : Q1343-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-10

Quant Time: Feb 12 22:00:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

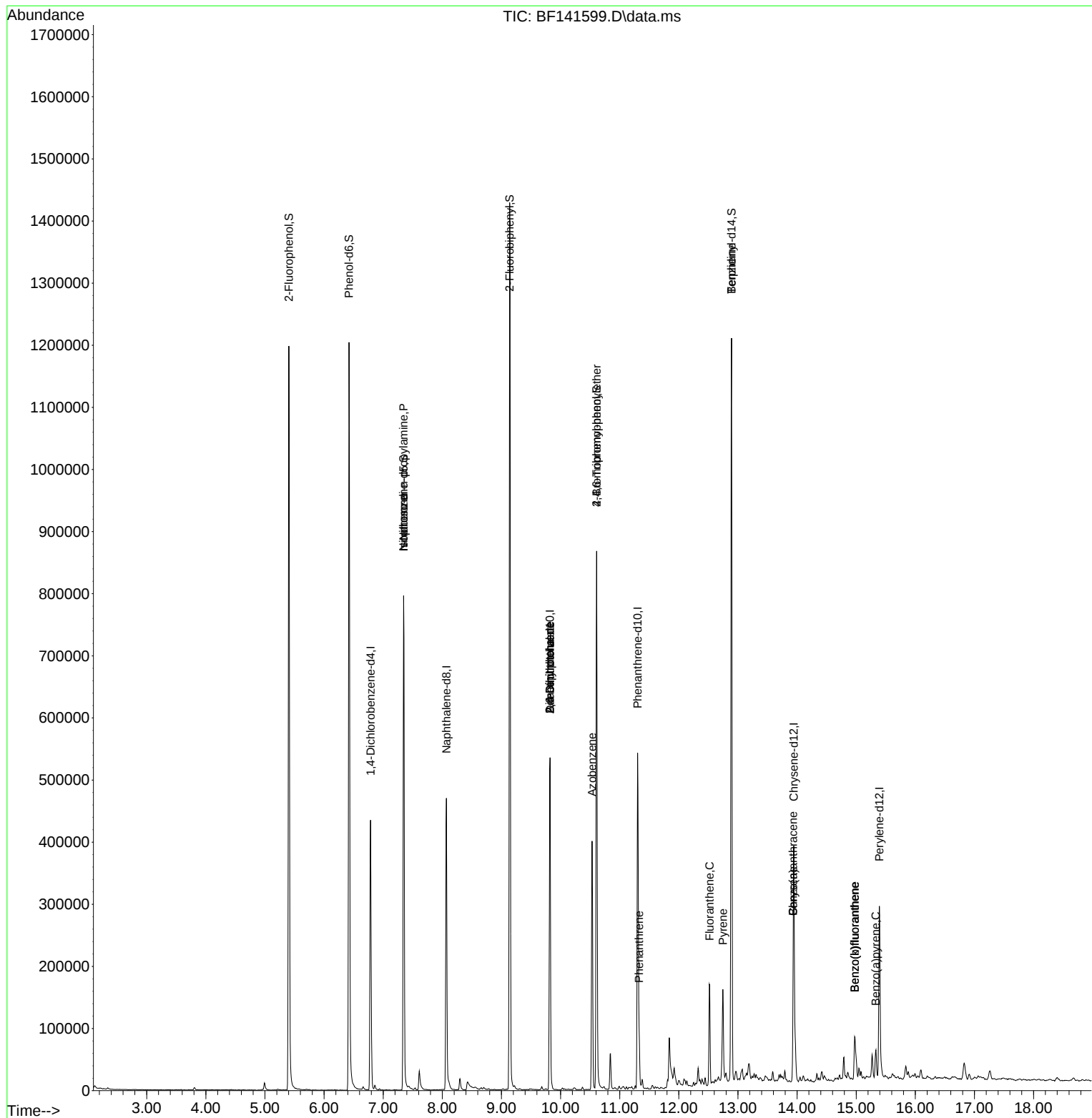
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	79661	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	315895	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	169017	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	288243	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	162728	20.000	ng	-0.02
86) Perylene-d12	15.392	264	163715	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	446486	87.869	ng	0.00
7) Phenol-d6	6.422	99	549566	85.572	ng	-0.02
23) Nitrobenzene-d5	7.345	82	357127	58.966	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	139591	82.216	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	645924	58.878	ng	-0.01
79) Terphenyl-d14	12.892	244	581395	60.315	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.345	70	47223	12.293	ng	# 76
25) Isophorone	7.345	82	342370	35.454	ng	# 66
50) Dimethylphthalate	9.822	163	25810	2.249	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	21228	8.463	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	21228	6.357	ng	# 18
63) Azobenzene	10.533	77	98905	8.813	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	9336	2.898	ng	# 1
71) Phenanthrene	11.327	178	41063	2.588	ng	99
75) Fluoranthene	12.521	202	97463	5.794	ng	99
77) Benzidine	12.892	184	7653	2.132	ng	# 93
78) Pyrene	12.745	202	86975	6.279	ng	98
81) Benzo(a)anthracene	13.933	228	37195	3.439	ng	96
83) Chrysene	13.933	228	37195	3.724	ng	99
88) Benzo(b)fluoranthene	14.974	252	58778	5.347	ng	# 97
89) Benzo(k)fluoranthene	14.974	252	58778	6.262	ng	# 98
90) Benzo(a)pyrene	15.333	252	28980	3.258	ng	98

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

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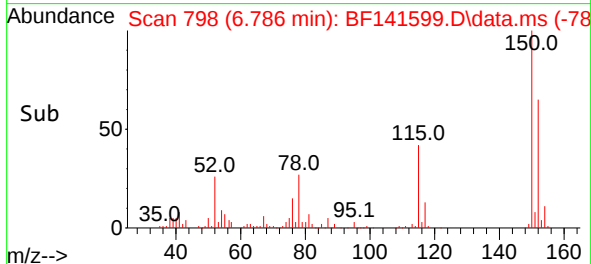
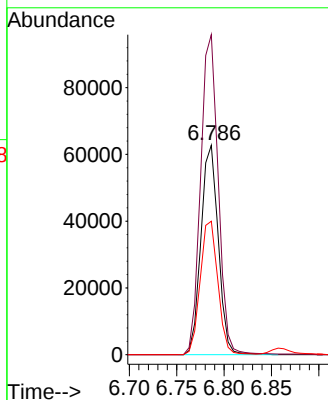
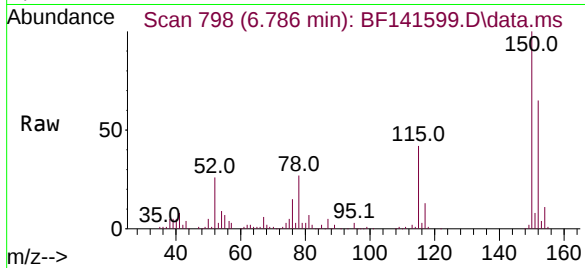




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.786 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: BF141599.D
 Acq: 12 Feb 2025 19:12

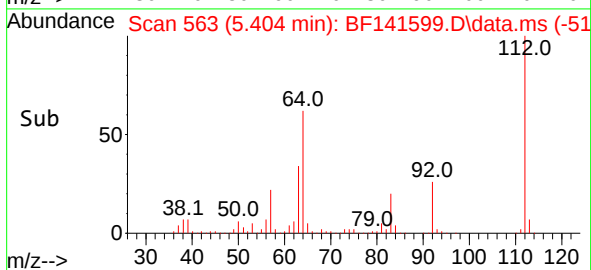
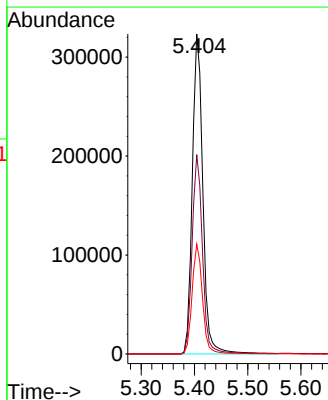
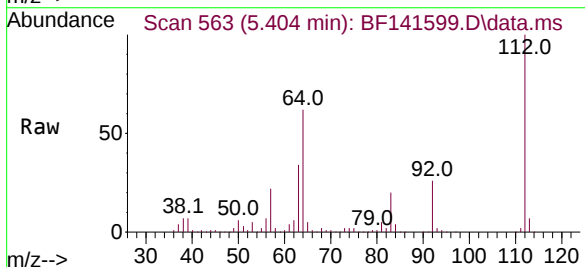
Instrument :
 BNA_F
 ClientSampleId :
 WC-10

Tgt Ion:152 Resp: 79661
 Ion Ratio Lower Upper
 152 100
 150 152.8 125.0 187.4
 115 63.7 53.6 80.4



#5
 2-Fluorophenol
 Concen: 87.869 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141599.D
 Acq: 12 Feb 2025 19:12

Tgt Ion:112 Resp: 446486
 Ion Ratio Lower Upper
 112 100
 64 62.3 51.1 76.7
 63 34.3 28.4 42.6

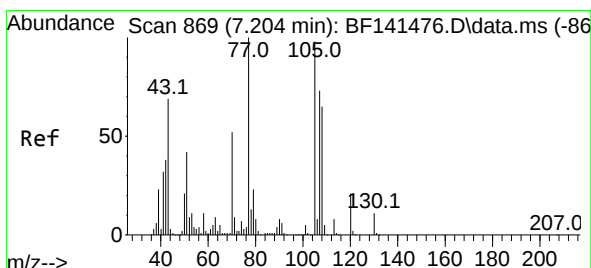
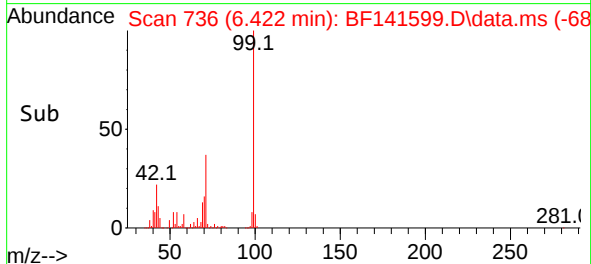
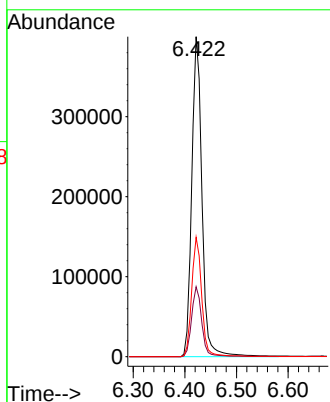
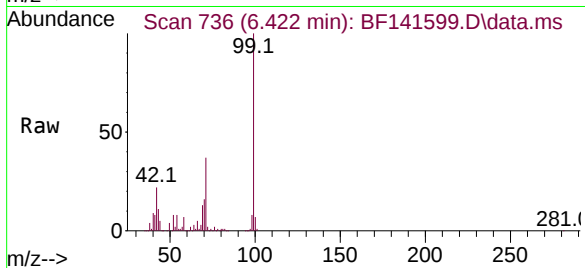




#7
Phenol-d6
Concen: 85.572 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

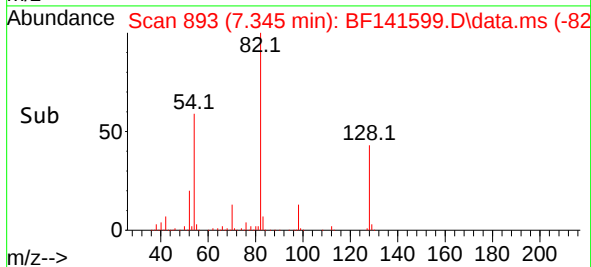
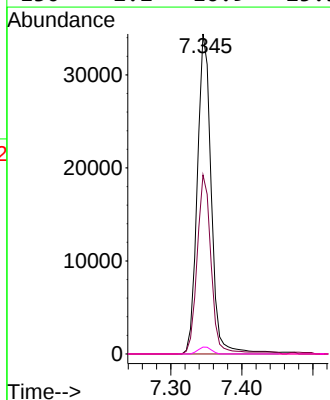
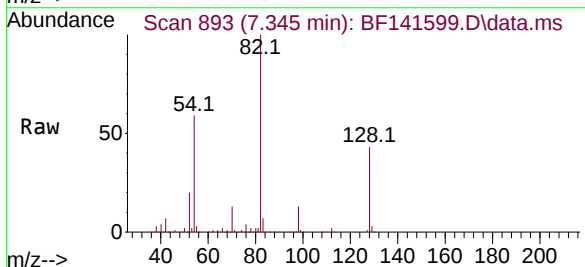
Instrument :
BNA_F
ClientSampleId :
WC-10

Tgt Ion: 99 Resp: 549566
Ion Ratio Lower Upper
99 100
42 21.8 19.1 28.7
71 37.3 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.293 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

Tgt Ion: 70 Resp: 47223
Ion Ratio Lower Upper
70 100
42 56.0 57.4 86.2#
101 0.0 8.0 12.0#
130 2.2 16.9 25.3#

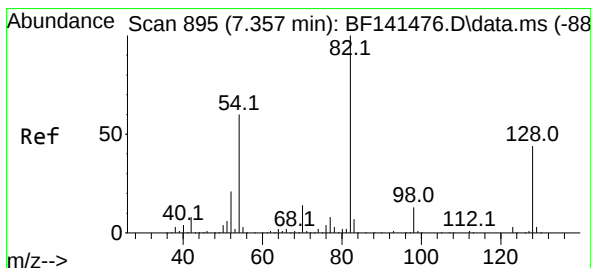
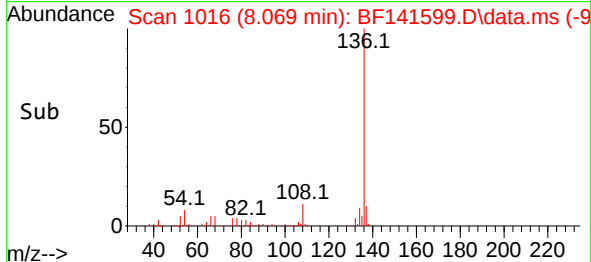
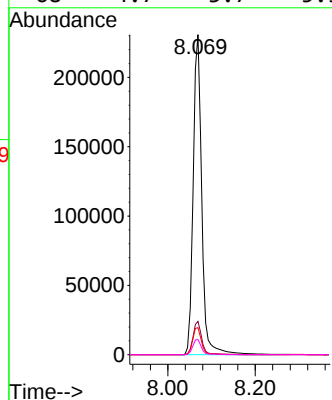
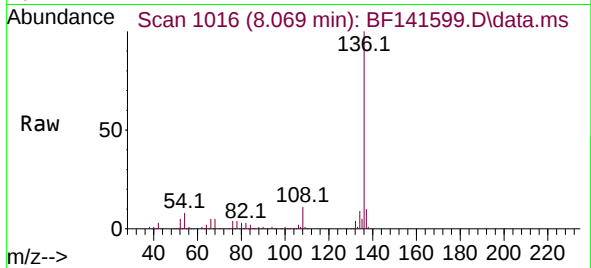




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

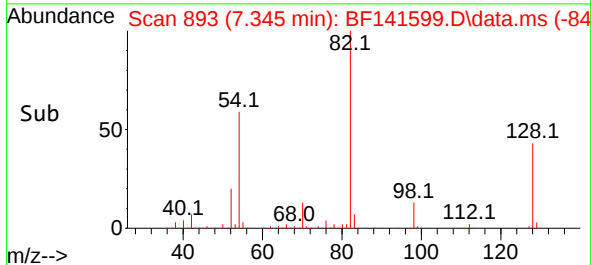
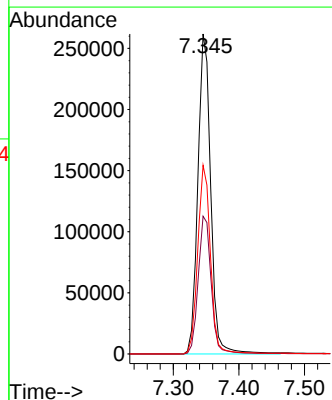
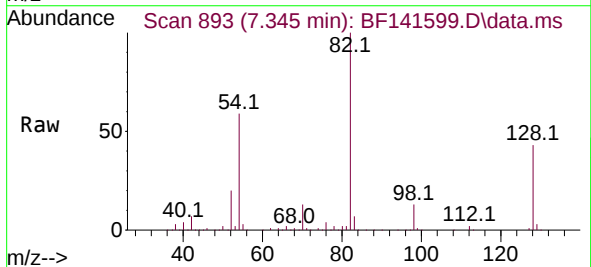
Instrument :
BNA_F
ClientSampleId :
WC-10

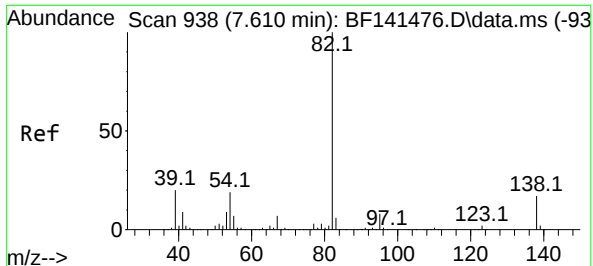
Tgt Ion:136	Resp: 315895
Ion Ratio	Lower Upper
136	100
137	10.4 8.6 13.0
54	8.5 7.2 10.8
68	4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 58.966 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

Tgt Ion: 82	Resp: 357127
Ion Ratio	Lower Upper
82	100
128	43.0 34.8 52.2
54	59.0 48.2 72.4

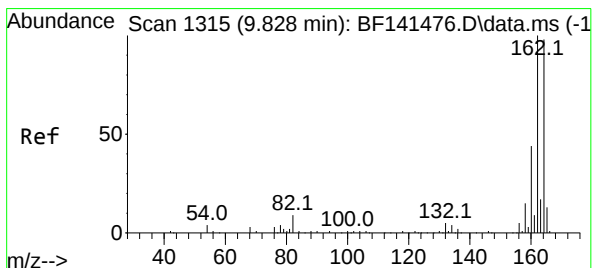
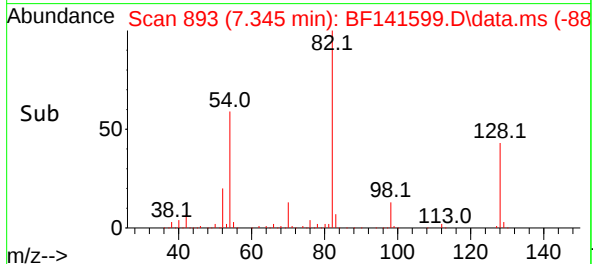
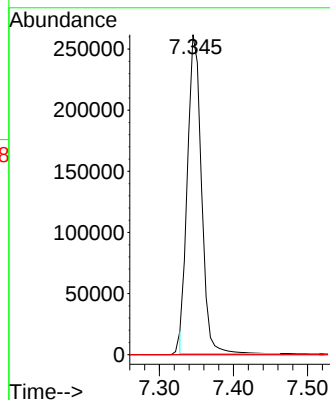
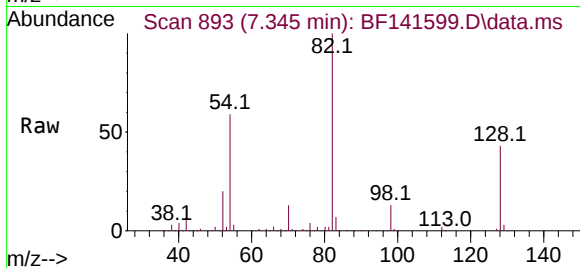




#25
Isophorone
Concen: 35.454 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

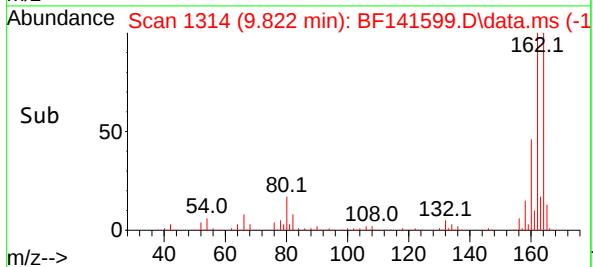
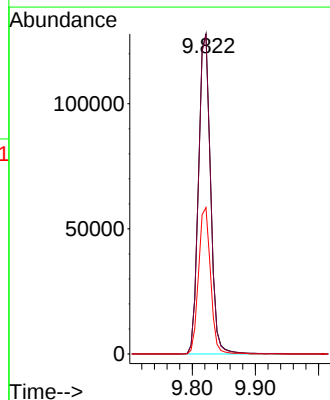
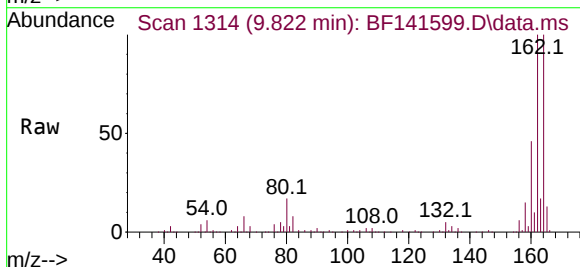
Instrument :
BNA_F
ClientSampleId :
WC-10

Tgt Ion: 82 Resp: 342370
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

Tgt Ion:164 Resp: 169017
Ion Ratio Lower Upper
164 100
162 99.5 81.3 121.9
160 45.8 35.9 53.9

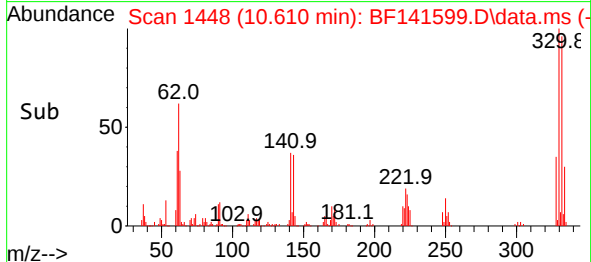
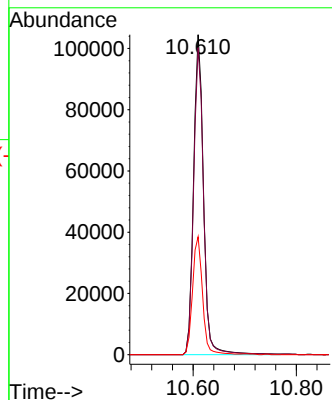
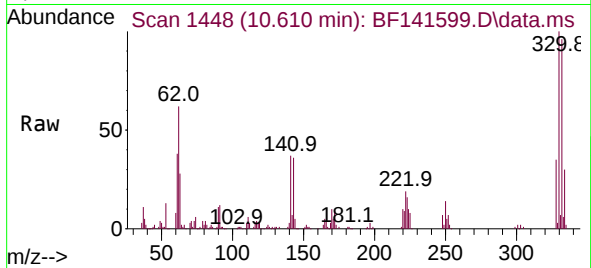




#42
2,4,6-Tribromophenol
Concen: 82.216 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

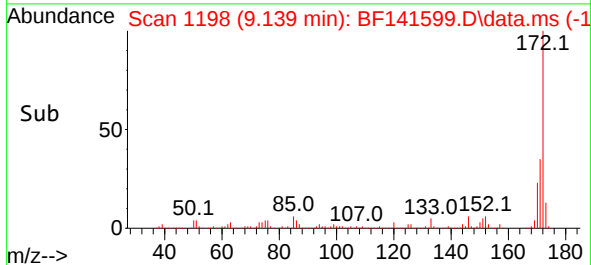
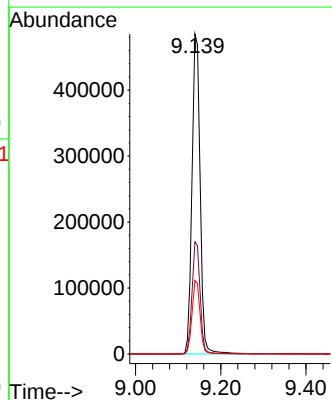
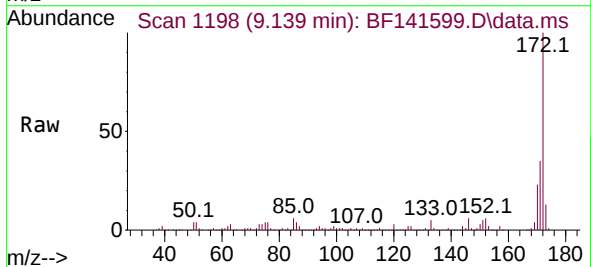
Instrument :
BNA_F
ClientSampleId :
WC-10

Tgt Ion:330 Resp: 139591
Ion Ratio Lower Upper
330 100
332 96.1 78.5 117.7
141 37.0 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 58.878 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

Tgt Ion:172 Resp: 645924
Ion Ratio Lower Upper
172 100
171 35.0 28.7 43.1
170 22.9 18.9 28.3

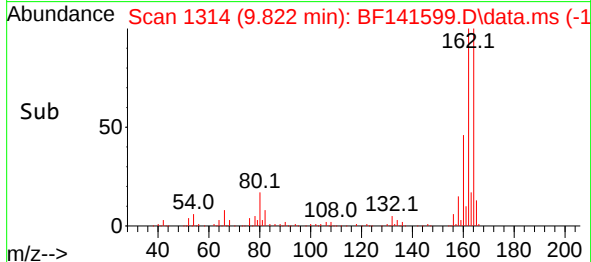
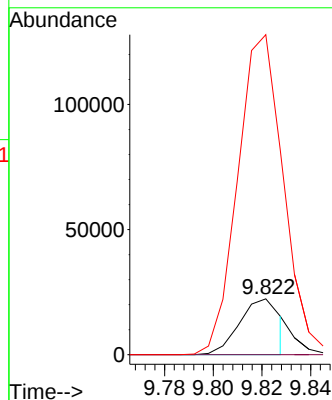
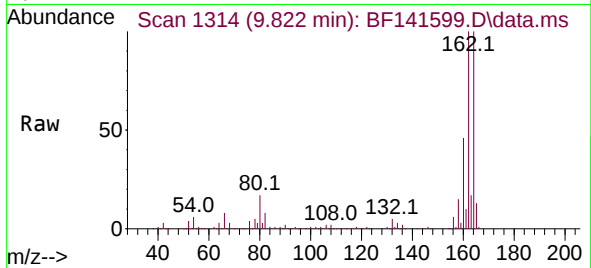




#50
Dimethylphthalate
Concen: 2.249 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

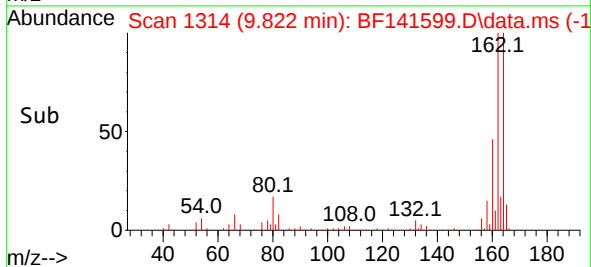
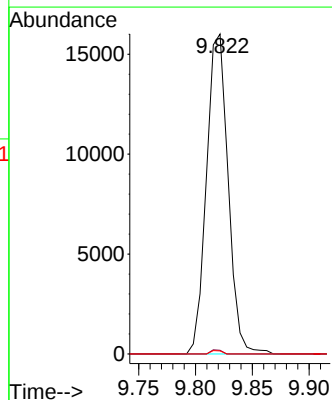
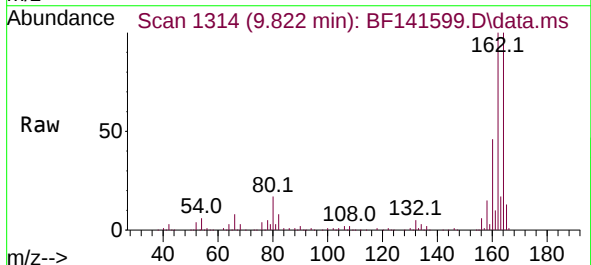
Instrument :
BNA_F
ClientSampleId :
WC-10

Tgt Ion:163 Resp: 25810
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 573.7 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.463 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

Tgt Ion:165 Resp: 21228
Ion Ratio Lower Upper
165 100
63 1.1 49.4 74.0#
89 0.9 46.5 69.7#

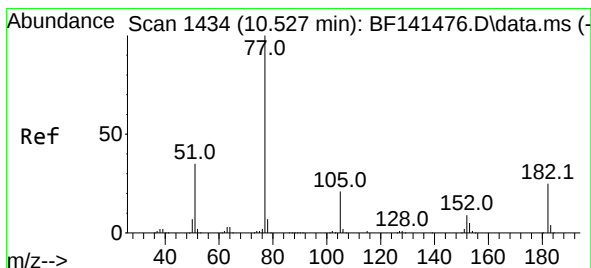
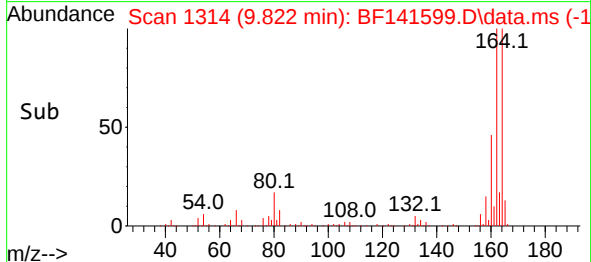
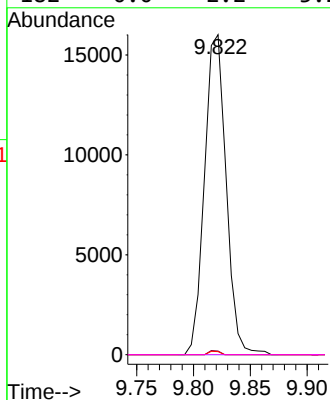
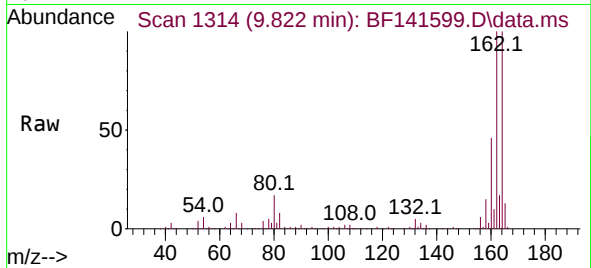




#57
2,4-Dinitrotoluene
Concen: 6.357 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

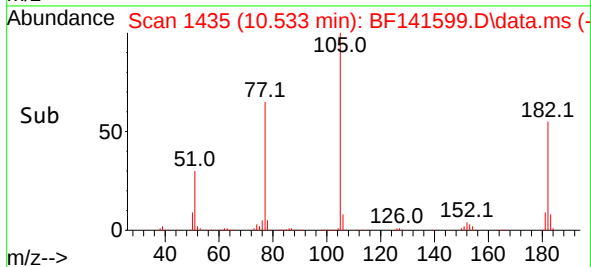
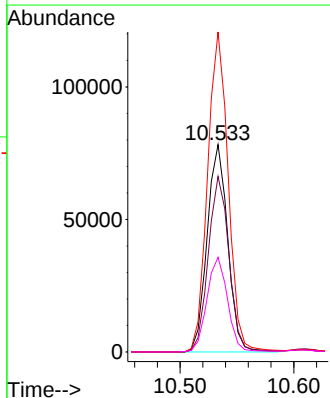
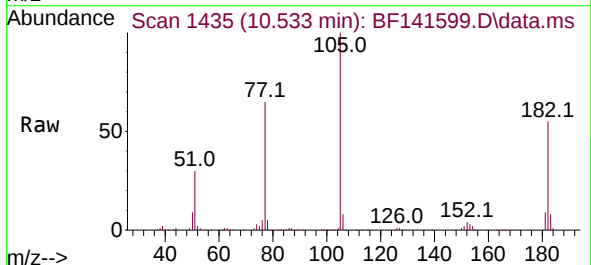
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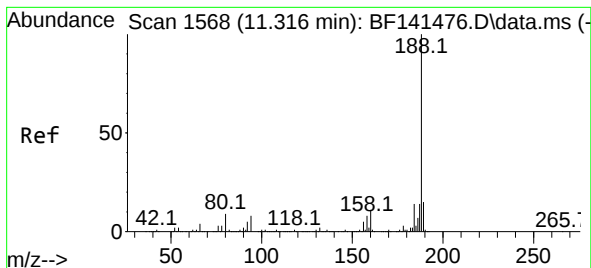
Tgt Ion:165	Resp:	21228
Ion Ratio	Lower	Upper
165	100	
63	1.1	46.4 69.6#
89	0.9	61.8 92.6#
182	0.0	2.2 3.2#



#63
Azobenzene
Concen: 8.813 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

Tgt Ion: 77	Resp:	98905
Ion Ratio	Lower	Upper
77	100	
182	84.7	4.7 44.7#
105	154.4	0.4 40.4#
51	45.7	16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141599.D

Acq: 12 Feb 2025 19:12

Instrument :

BNA_F

ClientSampleId :

WC-10

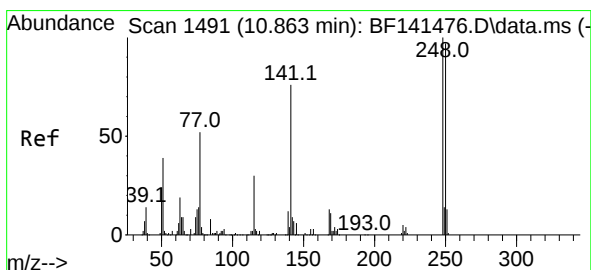
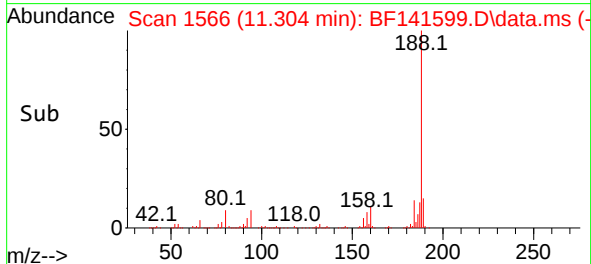
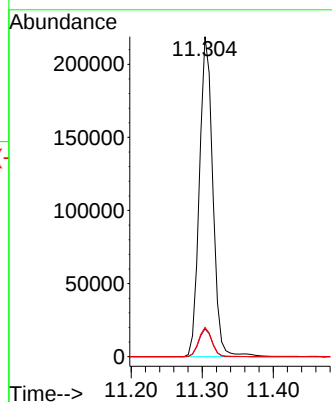
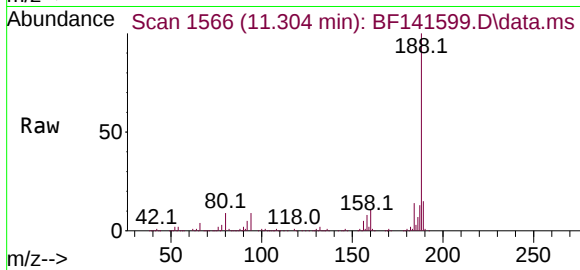
Tgt Ion:188 Resp: 288243

Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.2 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 2.898 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141599.D

Acq: 12 Feb 2025 19:12

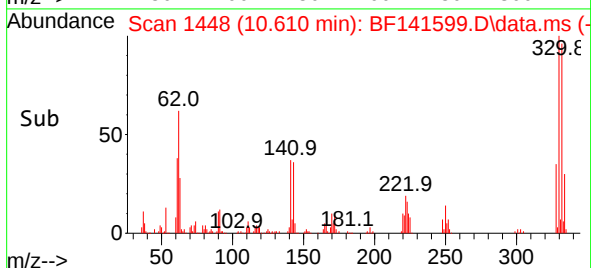
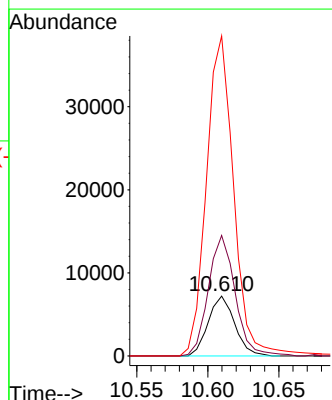
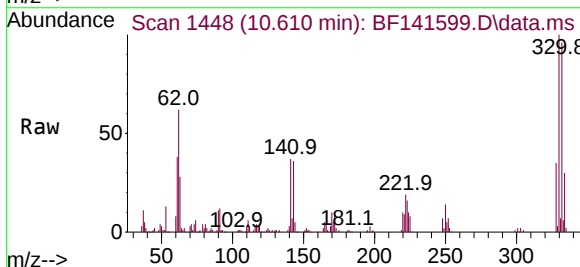
Tgt Ion:248 Resp: 9336

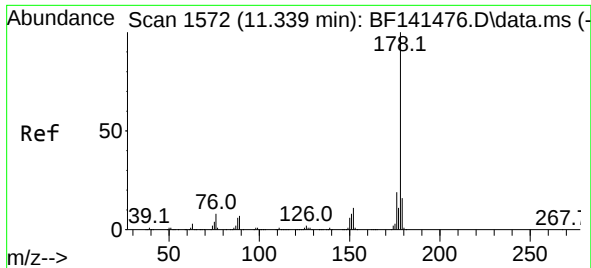
Ion Ratio Lower Upper

248 100

250 201.3 77.8 116.6#

141 534.4 60.6 90.8#

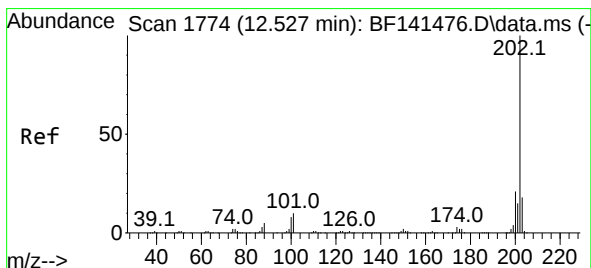
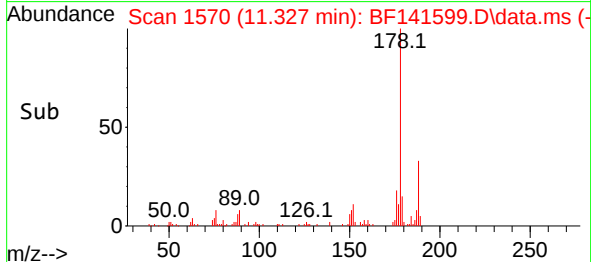
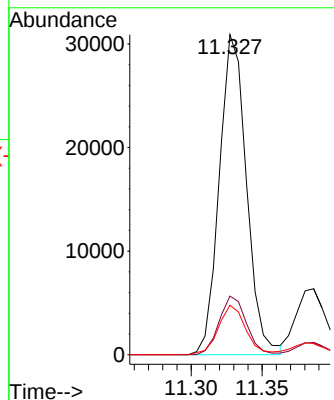
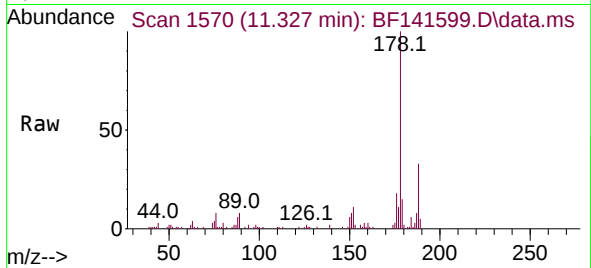




#71
Phenanthrene
Concen: 2.588 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

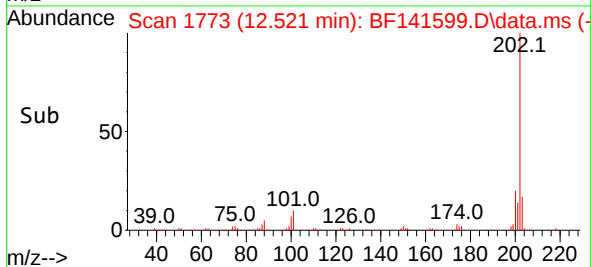
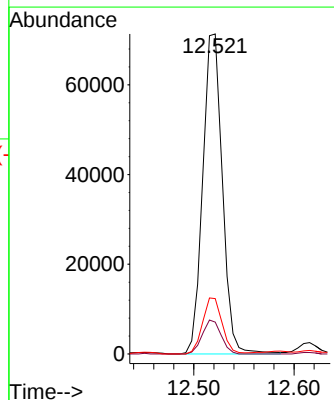
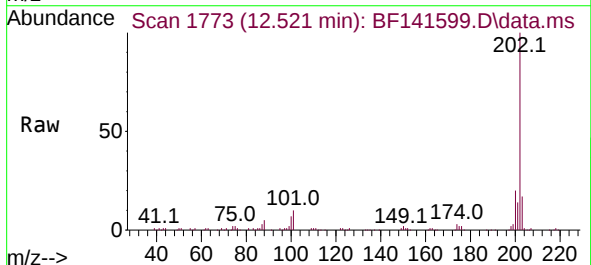
Instrument :
BNA_F
ClientSampleId :
WC-10

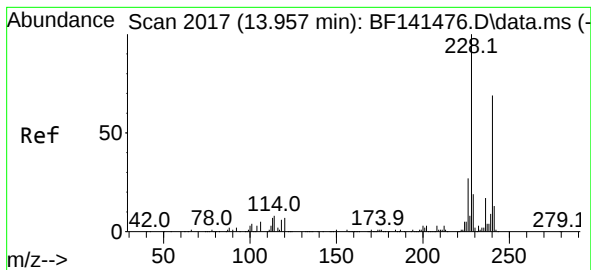
Tgt Ion:178 Resp: 41063
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.5 12.4 18.6



#75
Fluoranthene
Concen: 5.794 ng
RT: 12.521 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

Tgt Ion:202 Resp: 97463
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.2
203 17.3 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141599.D

Acq: 12 Feb 2025 19:12

Instrument :

BNA_F

ClientSampleId :

WC-10

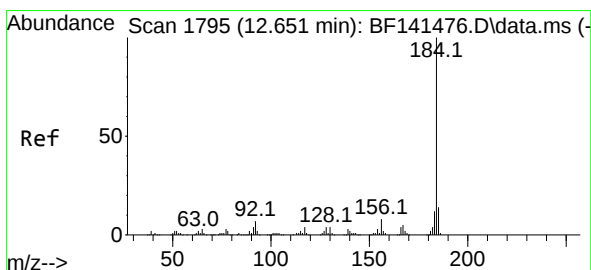
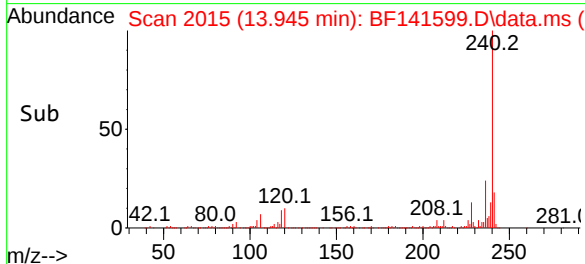
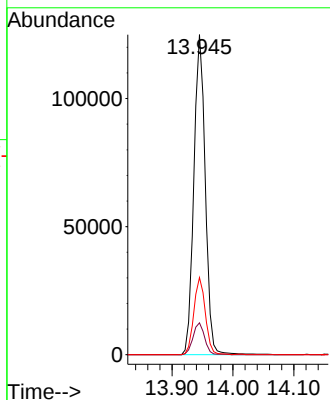
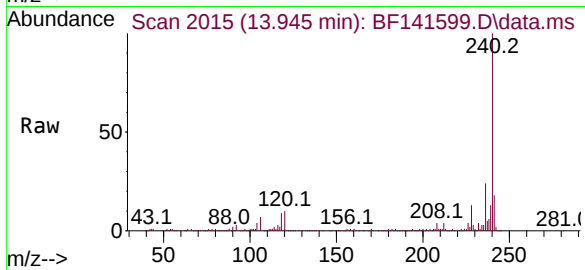
Tgt Ion:240 Resp: 162728

Ion Ratio Lower Upper

240 100

120 10.0 8.0 12.0

236 24.1 19.8 29.8



#77

Benzidine

Concen: 2.132 ng

RT: 12.892 min Scan# 1836

Delta R.T. 0.235 min

Lab File: BF141599.D

Acq: 12 Feb 2025 19:12

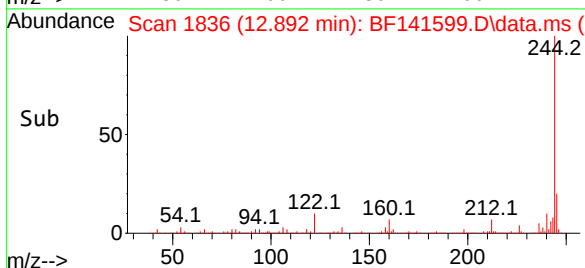
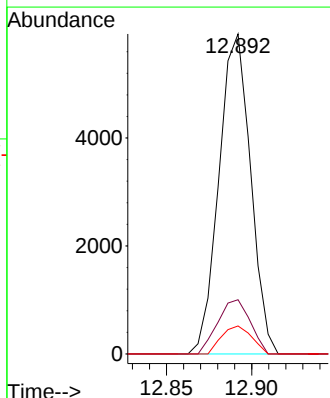
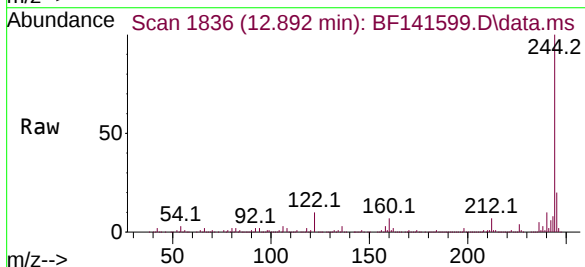
Tgt Ion:184 Resp: 7653

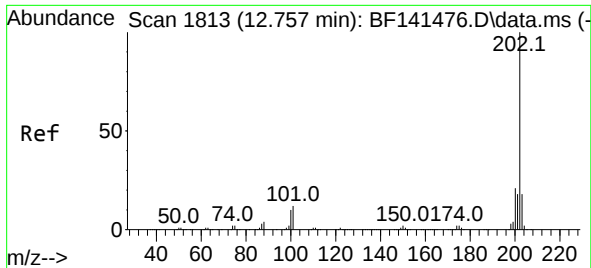
Ion Ratio Lower Upper

184 100

185 16.9 11.3 16.9#

183 8.8 9.3 13.9#

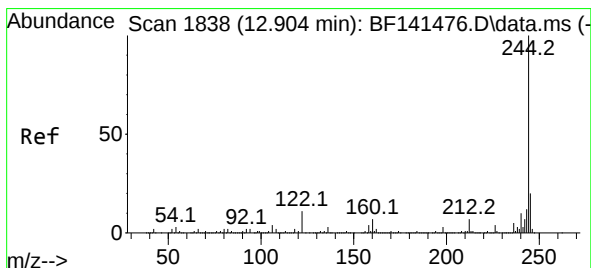
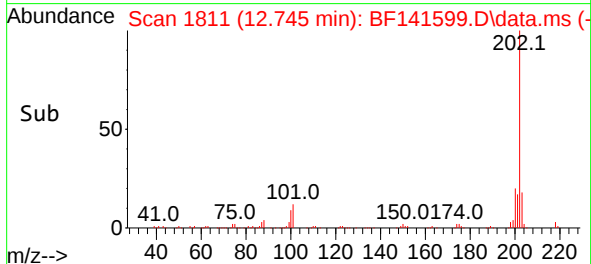
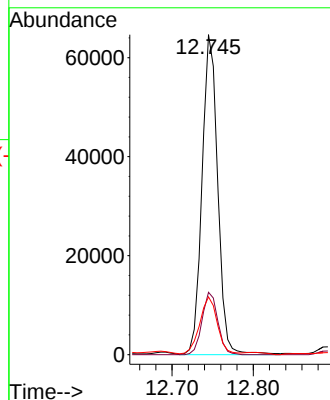
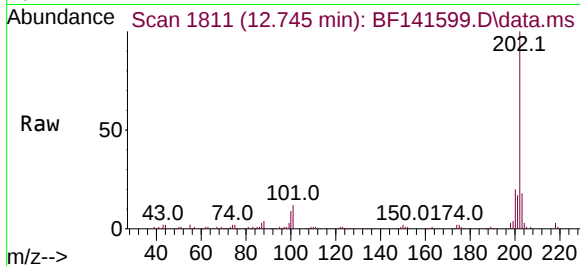




#78
Pyrene
Concen: 6.279 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.018 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

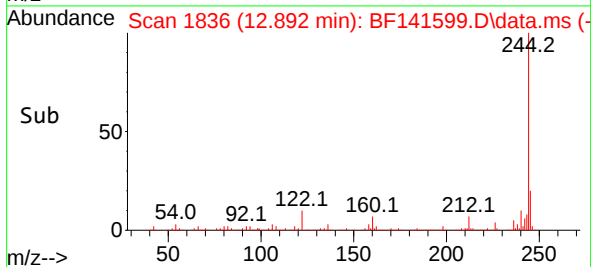
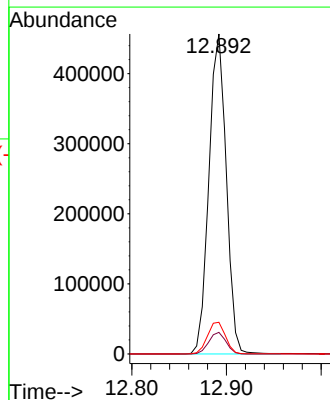
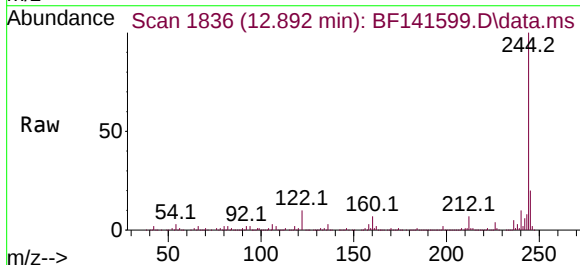
Instrument :
BNA_F
ClientSampleId :
WC-10

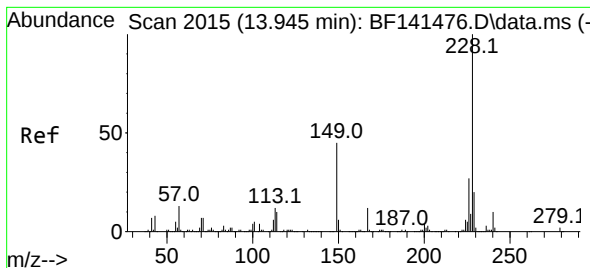
Tgt Ion:202 Resp: 86975
Ion Ratio Lower Upper
202 100
200 19.5 17.0 25.4
203 18.0 14.3 21.5



#79
Terphenyl-d14
Concen: 60.315 ng
RT: 12.892 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

Tgt Ion:244 Resp: 581395
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 9.9 8.4 12.6





#81

Benzo(a)anthracene

Concen: 3.439 ng

RT: 13.933 min Scan# 2013

Delta R.T. -0.018 min

Lab File: BF141599.D

Acq: 12 Feb 2025 19:12

Instrument :

BNA_F

ClientSampleId :

WC-10

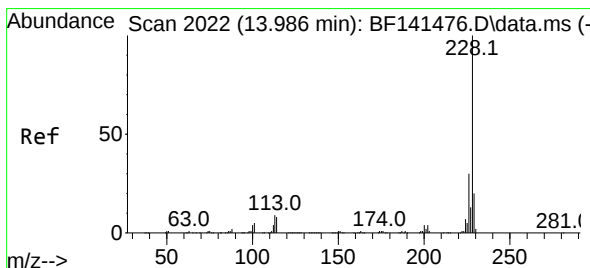
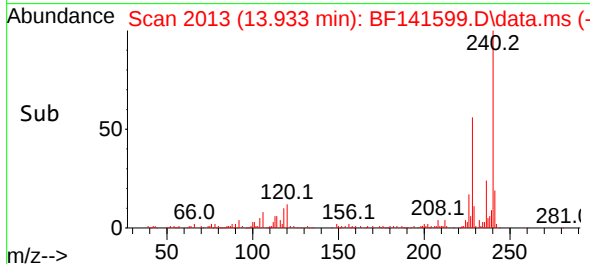
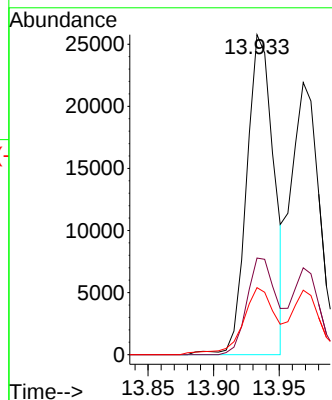
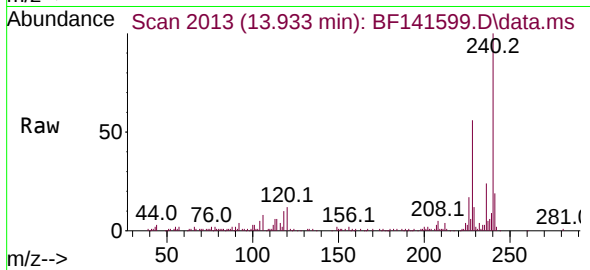
Tgt Ion:228 Resp: 37195

Ion Ratio Lower Upper

228 100

226 30.2 21.8 32.8

229 20.9 15.8 23.6



#83

Chrysene

Concen: 3.724 ng

RT: 13.933 min Scan# 2013

Delta R.T. -0.059 min

Lab File: BF141599.D

Acq: 12 Feb 2025 19:12

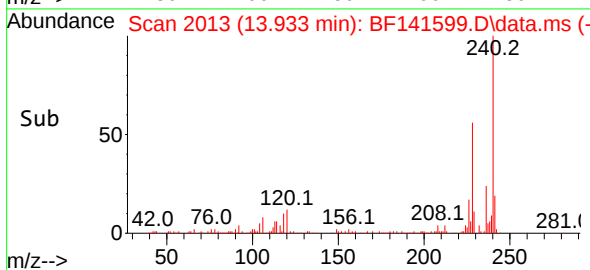
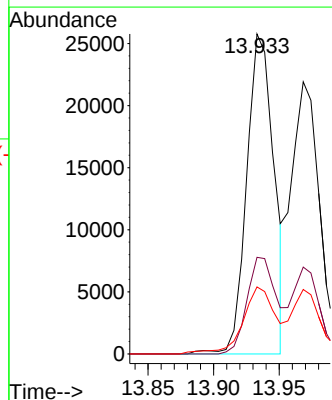
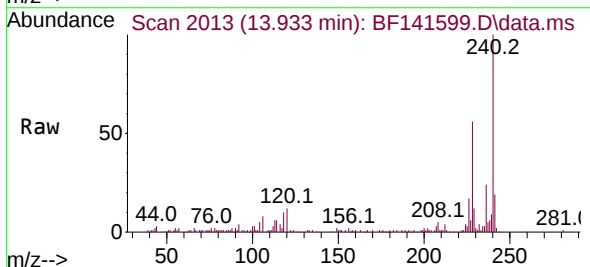
Tgt Ion:228 Resp: 37195

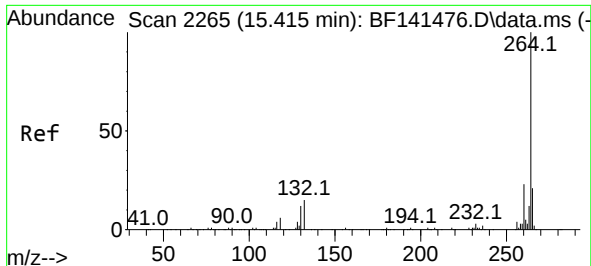
Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 20.9 15.7 23.5

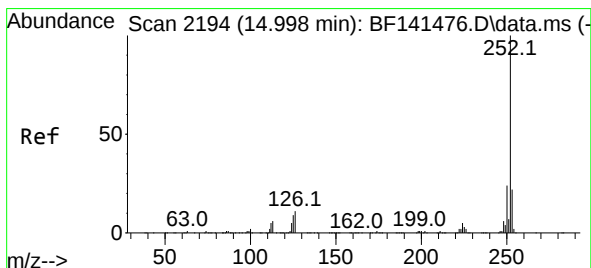
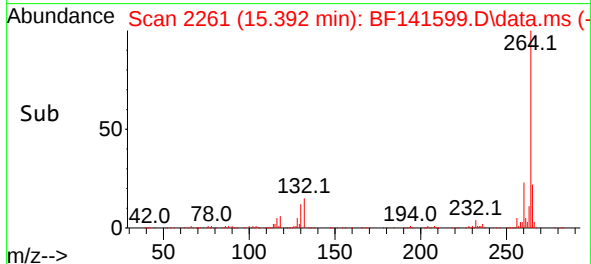
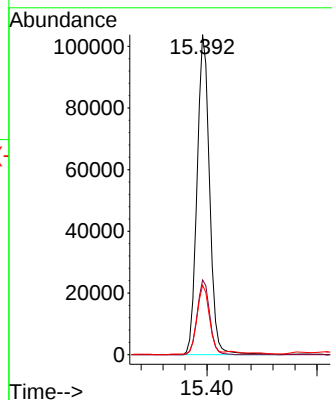
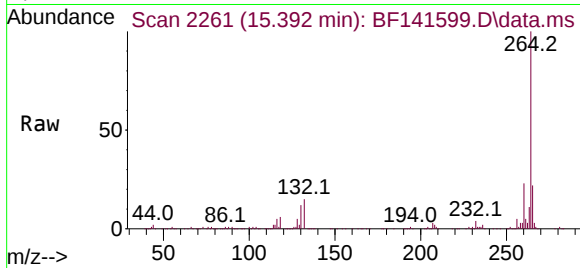




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.392 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BF141599.D
 Acq: 12 Feb 2025 19:12

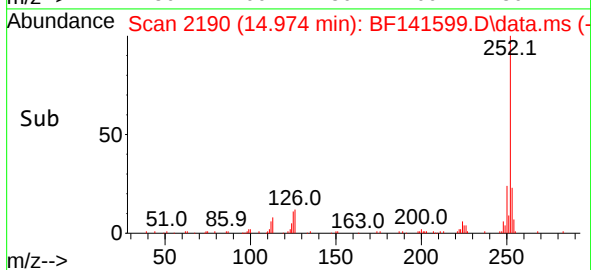
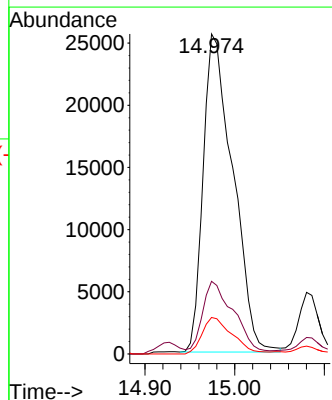
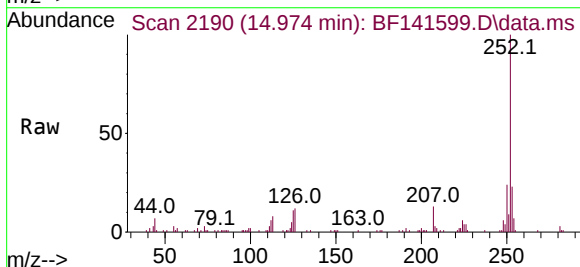
Instrument :
 BNA_F
 ClientSampleId :
 WC-10

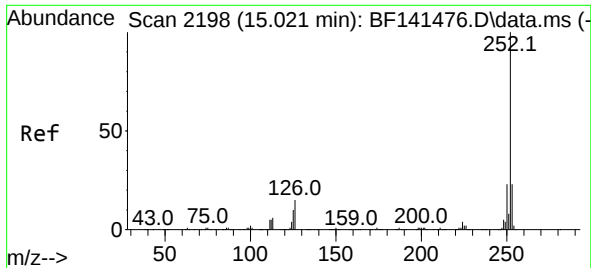
Tgt Ion:264 Resp: 163715
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 28.0
 265 21.7 17.0 25.4



#88
 Benzo(b)fluoranthene
 Concen: 5.347 ng
 RT: 14.974 min Scan# 2190
 Delta R.T. -0.029 min
 Lab File: BF141599.D
 Acq: 12 Feb 2025 19:12

Tgt Ion:252 Resp: 58778
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.5 26.3
 125 11.4 7.0 10.6#

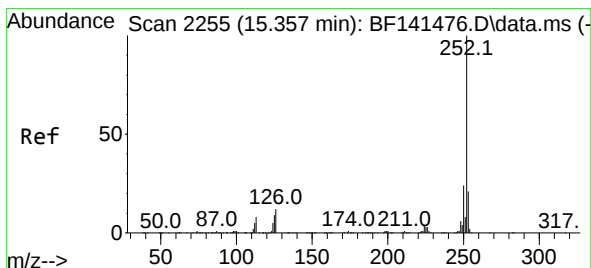
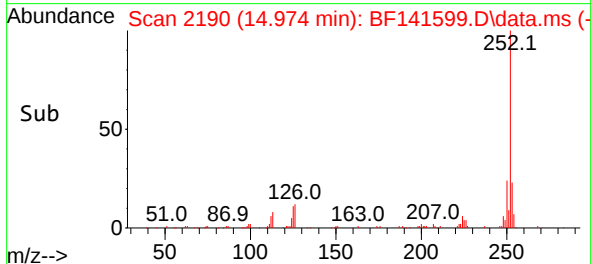
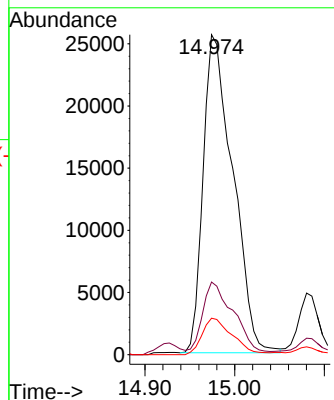
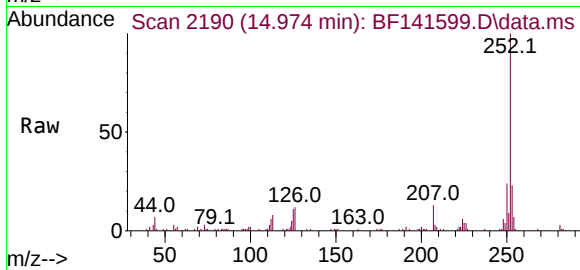




#89
Benzo(k)fluoranthene
Concen: 6.262 ng
RT: 14.974 min Scan# 2198
Delta R.T. -0.059 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

Instrument :
BNA_F
ClientSampleId :
WC-10

Tgt Ion:252 Resp: 58778
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 11.4 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 3.258 ng
RT: 15.333 min Scan# 2251
Delta R.T. -0.029 min
Lab File: BF141599.D
Acq: 12 Feb 2025 19:12

Tgt Ion:252 Resp: 28980
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 9.6 7.4 11.2

