

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
 Data File : BF141600.D
 Acq On : 12 Feb 2025 19:38
 Operator : RC/JU
 Sample : Q1343-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-7

Quant Time: Feb 12 22:00:37 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)

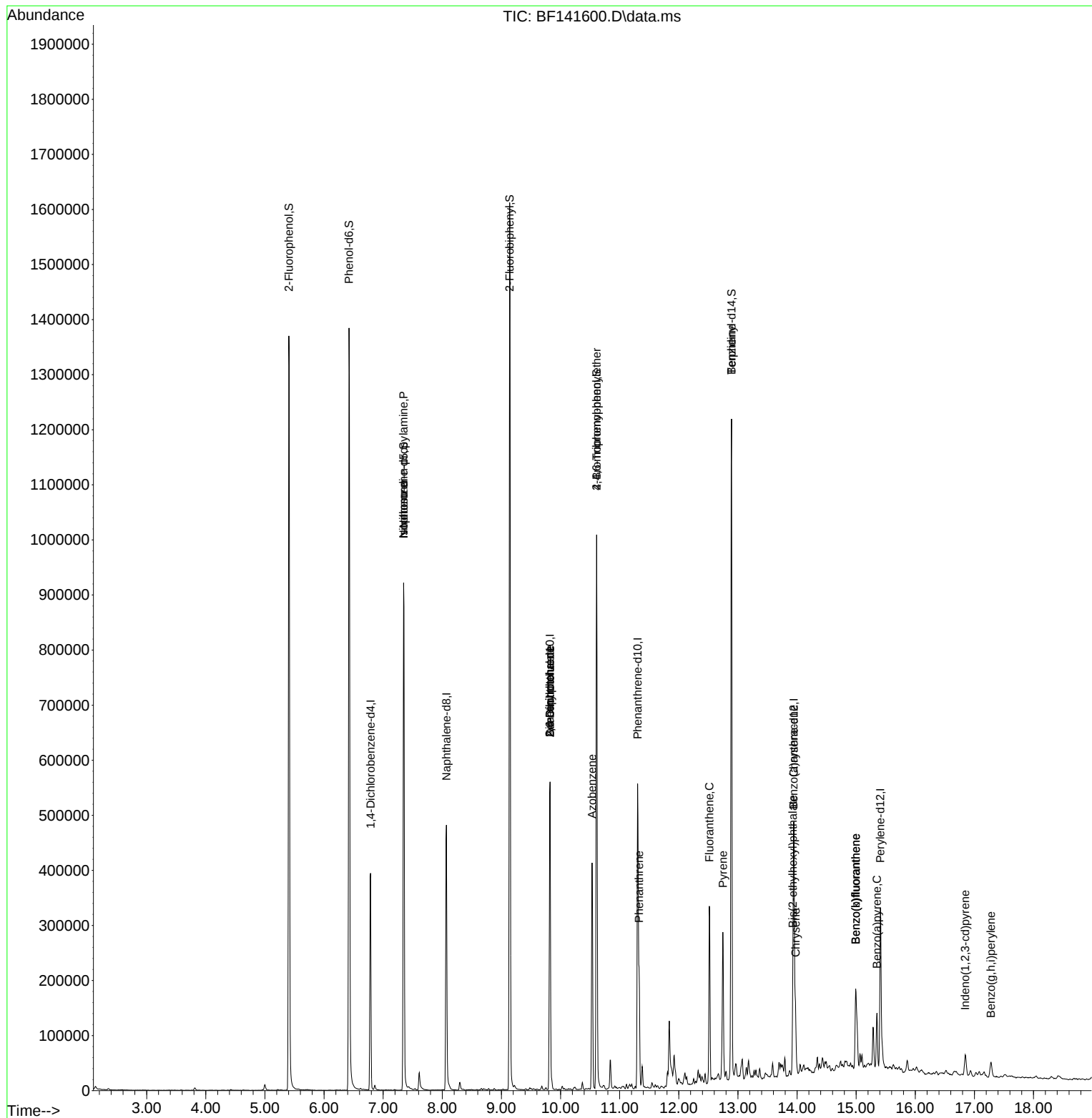
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	82994	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	330690	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	176741	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	285356	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	170029	20.000	ng	-0.02
86) Perylene-d12	15.410	264	166004	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	525430	99.253	ng	0.00
7) Phenol-d6	6.422	99	640627	95.745	ng	-0.02
23) Nitrobenzene-d5	7.345	82	421932	66.549	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	159364	89.760	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	712193	62.082	ng	-0.01
79) Terphenyl-d14	12.892	244	582578	57.843	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	56999	14.242	ng	# 74
25) Isophorone	7.345	82	408688	40.428	ng	# 66
50) Dimethylphthalate	9.822	163	26552	2.213	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	22348	8.520	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	22348	6.400	ng	# 18
63) Azobenzene	10.534	77	101295	8.631	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	11072	3.472	ng	# 1
71) Phenanthrene	11.328	178	108451	6.904	ng	99
75) Fluoranthene	12.516	202	185216	11.122	ng	99
77) Benzidine	12.892	184	7644	2.038	ng	# 89
78) Pyrene	12.745	202	153809	10.627	ng	99
81) Benzo(a)anthracene	13.939	228	82446	7.295	ng	99
83) Chrysene	13.974	228	66057	6.330	ng	98
84) Bis(2-ethylhexyl)phtha...	13.927	149	32381	5.727	ng	99
87) Indeno(1,2,3-cd)pyrene	16.845	276	28087	2.738	ng	97
88) Benzo(b)fluoranthene	14.992	252	121848	10.932	ng	98
89) Benzo(k)fluoranthene	14.992	252	121848	12.802	ng	99
90) Benzo(a)pyrene	15.351	252	57730	6.401	ng	95
92) Benzo(g,h,i)perylene	17.280	276	24929	2.866	ng	95

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

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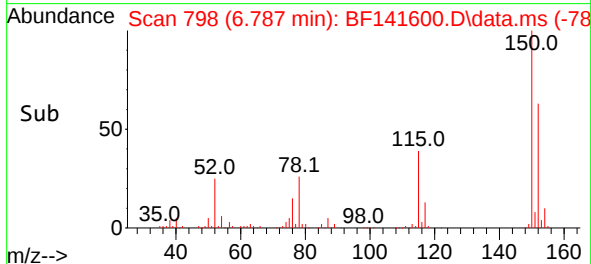
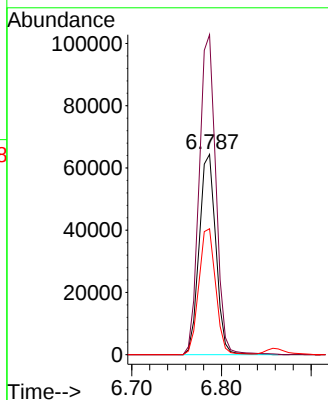
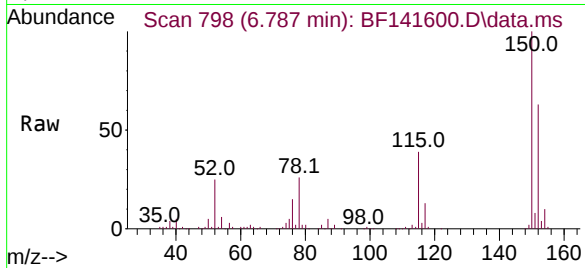




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

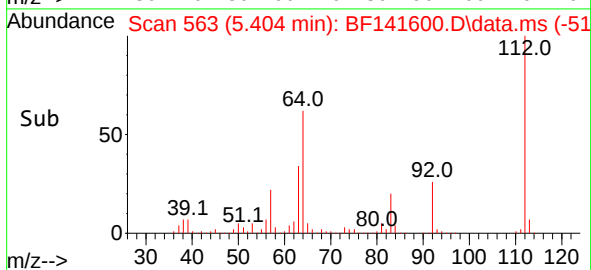
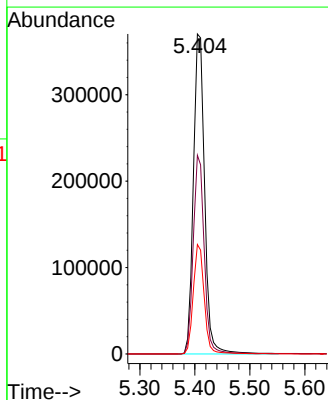
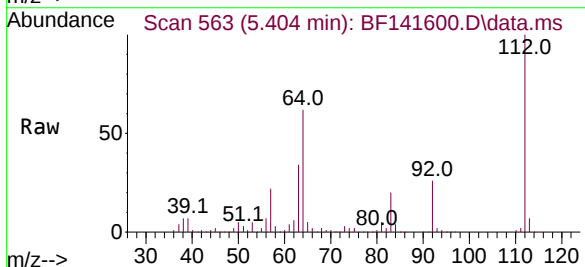
Instrument :
BNA_F
ClientSampleId :
WC-7

Tgt Ion:152 Resp: 82994
Ion Ratio Lower Upper
152 100
150 159.7 125.0 187.4
115 62.8 53.6 80.4



#5
2-Fluorophenol
Concen: 99.253 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

Tgt Ion:112 Resp: 525430
Ion Ratio Lower Upper
112 100
64 62.1 51.1 76.7
63 34.2 28.4 42.6

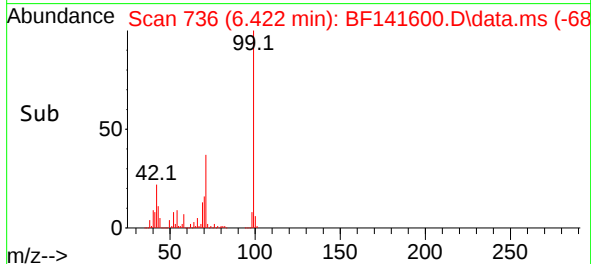
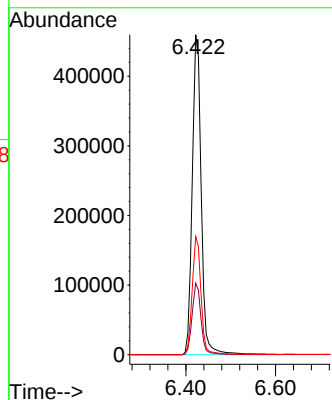
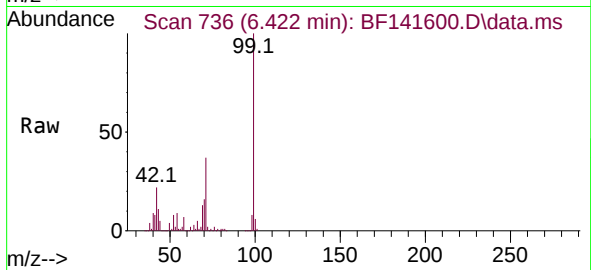




#7
Phenol-d6
Concen: 95.745 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

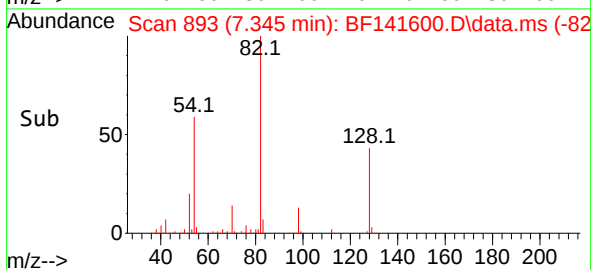
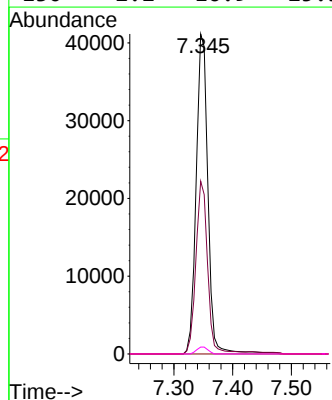
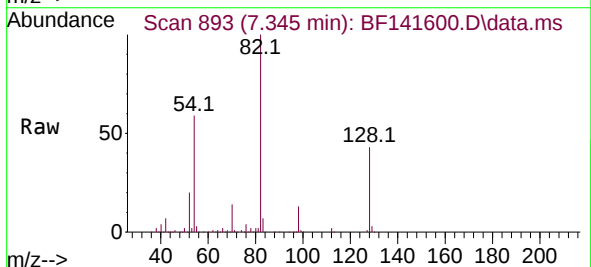
Instrument :
BNA_F
ClientSampleId :
WC-7

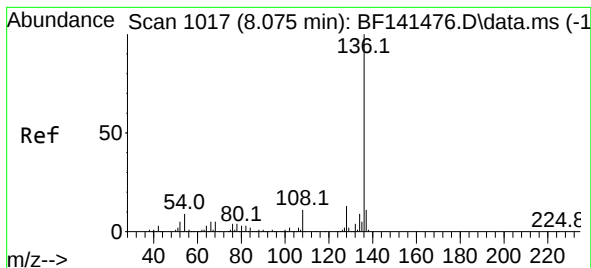
Tgt Ion: 99 Resp: 640627
Ion Ratio Lower Upper
99 100
42 22.4 19.1 28.7
71 36.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.242 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

Tgt Ion: 70 Resp: 56999
Ion Ratio Lower Upper
70 100
42 54.0 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# 1

Delta R.T. -0.006 min

Lab File: BF141600.D

Acq: 12 Feb 2025 19:38

Instrument :

BNA_F

ClientSampleId :

WC-7

Tgt Ion:136 Resp: 330690

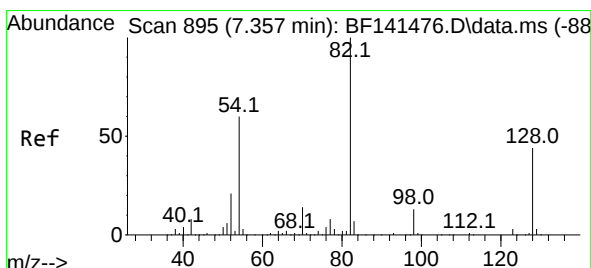
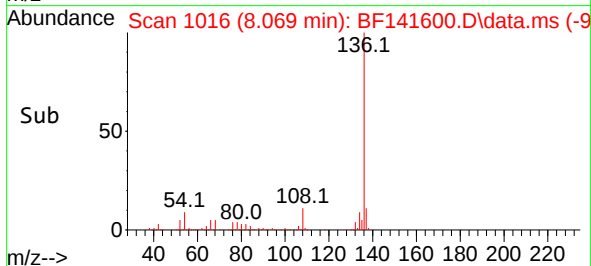
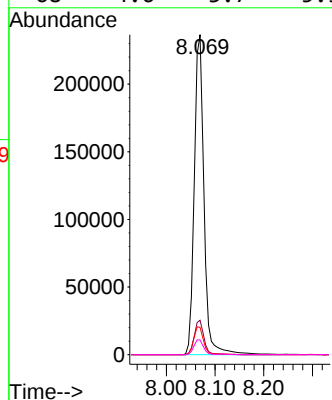
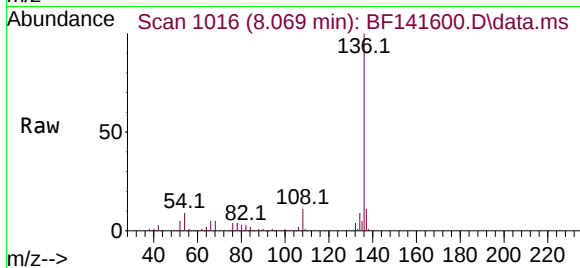
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.6 7.2 10.8

68 4.6 3.7 5.5



#23

Nitrobenzene-d5

Concen: 66.549 ng

RT: 7.345 min Scan# 893

Delta R.T. -0.017 min

Lab File: BF141600.D

Acq: 12 Feb 2025 19:38

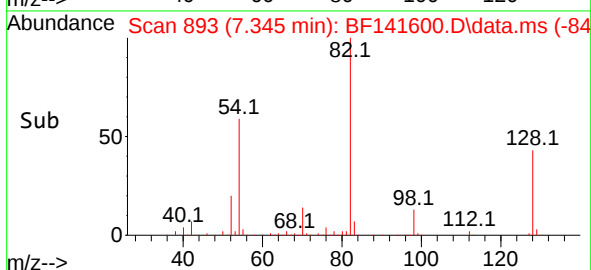
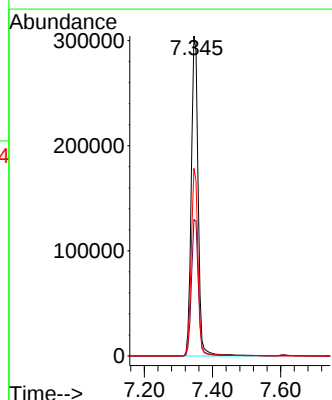
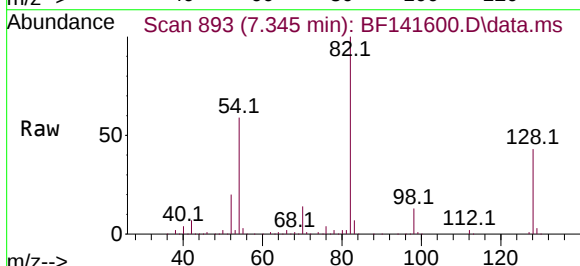
Tgt Ion: 82 Resp: 421932

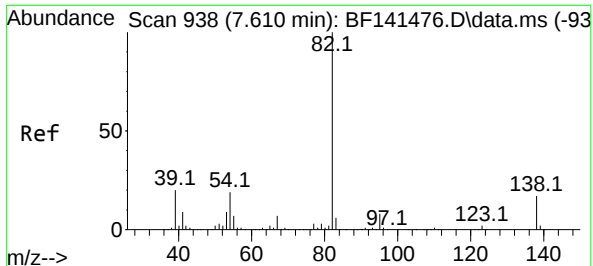
Ion Ratio Lower Upper

82 100

128 42.6 34.8 52.2

54 58.6 48.2 72.4

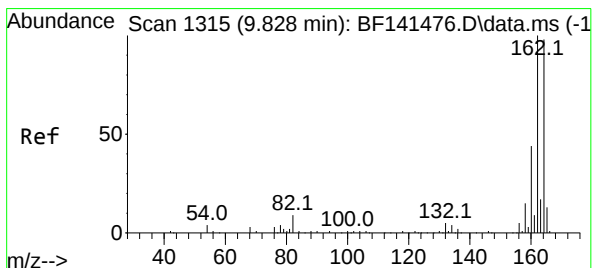
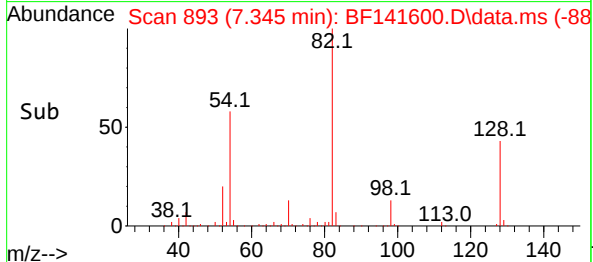
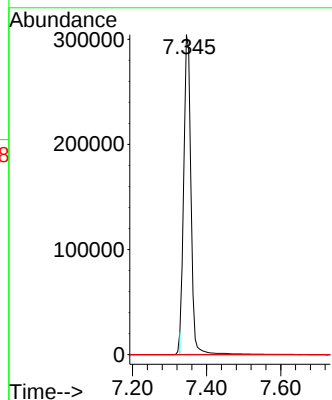
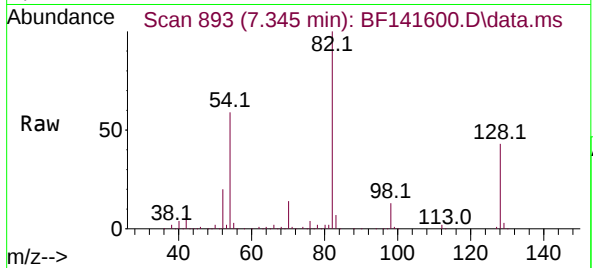




#25
Isophorone
Concen: 40.428 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

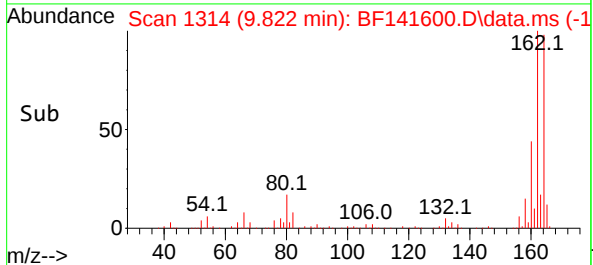
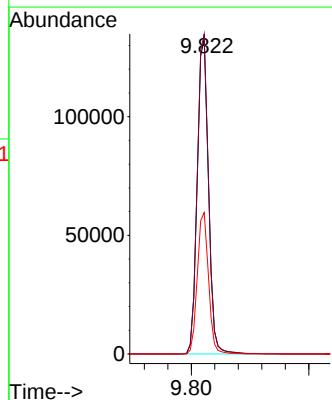
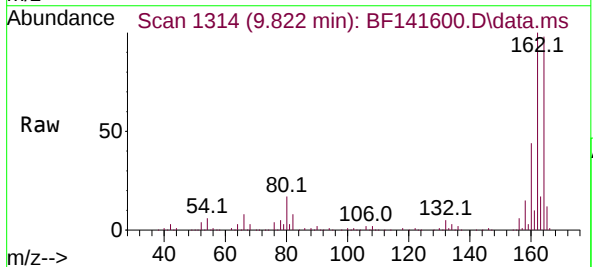
Instrument :
BNA_F
ClientSampleId :
WC-7

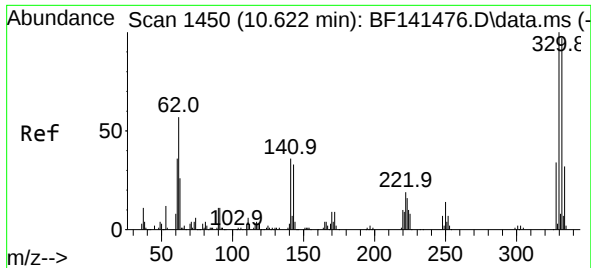
Tgt Ion: 82 Resp: 408688
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

Tgt Ion: 164 Resp: 176741
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 45.0 35.9 53.9

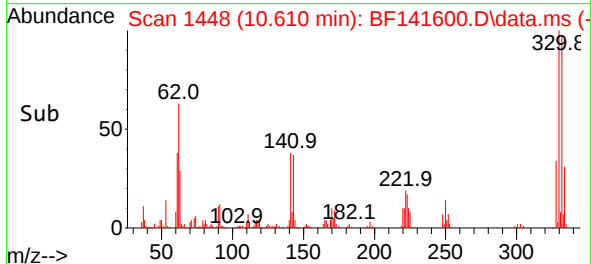
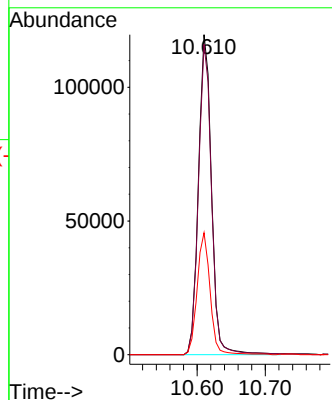
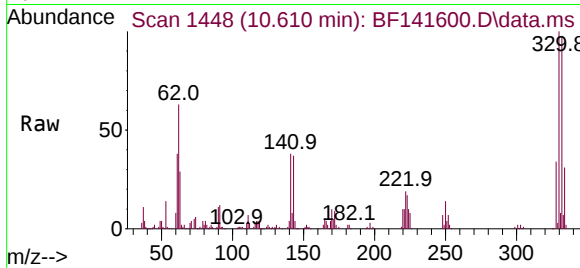




#42
2,4,6-Tribromophenol
Concen: 89.760 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

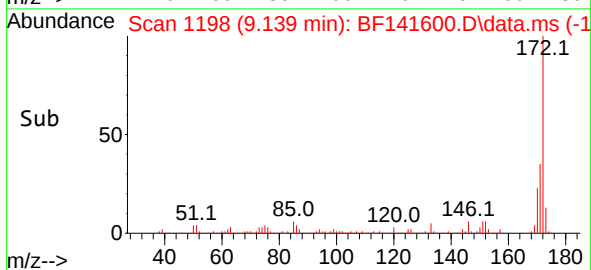
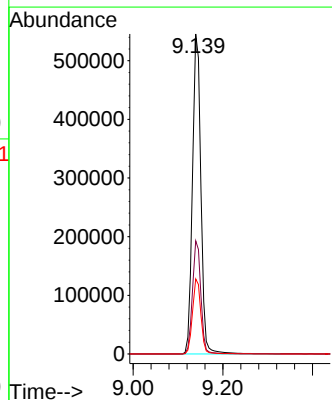
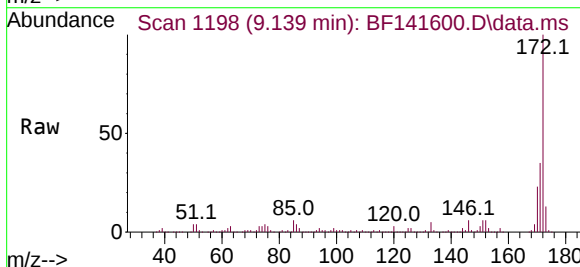
Instrument :
BNA_F
ClientSampleId :
WC-7

Tgt Ion:330 Resp: 159364
Ion Ratio Lower Upper
330 100
332 97.4 78.5 117.7
141 37.8 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 62.082 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

Tgt Ion:172 Resp: 712193
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.4 18.9 28.3

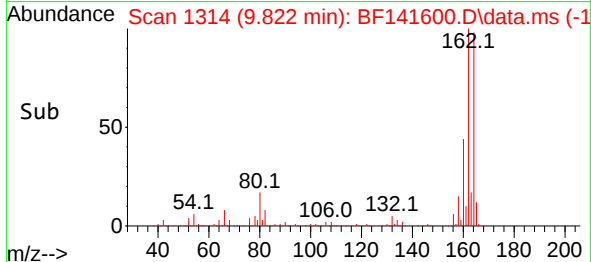
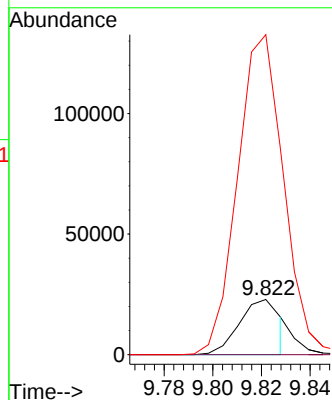
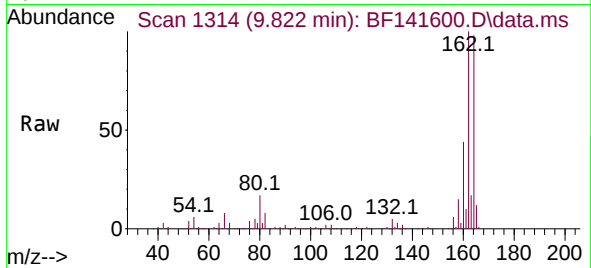




#50
Dimethylphthalate
Concen: 2.213 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

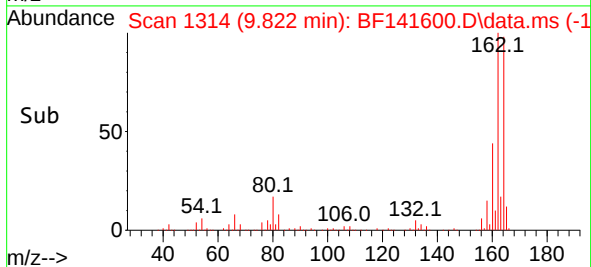
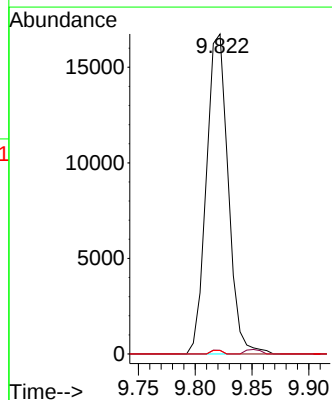
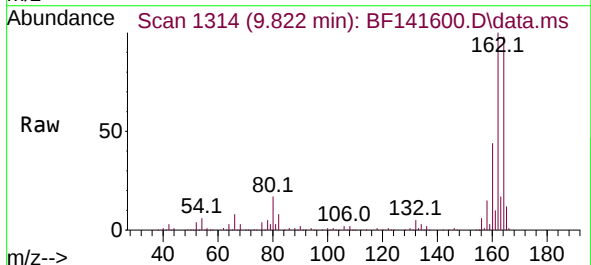
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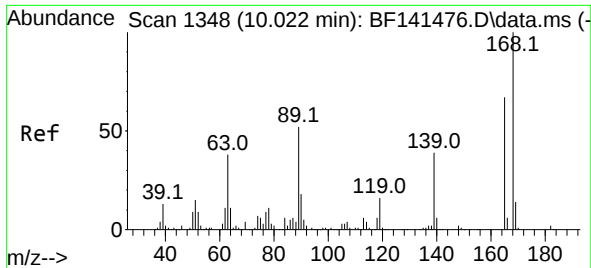
Tgt Ion:163 Resp: 26552
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 579.9 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.520 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

Tgt Ion:165 Resp: 22348
Ion Ratio Lower Upper
165 100
63 1.2 49.4 74.0#
89 1.1 46.5 69.7#

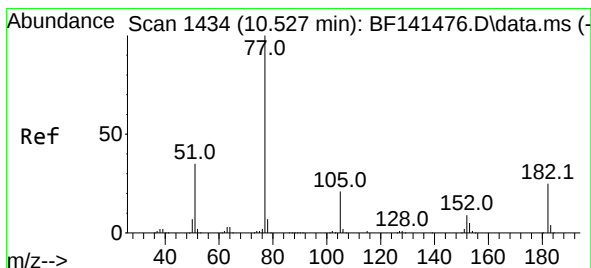
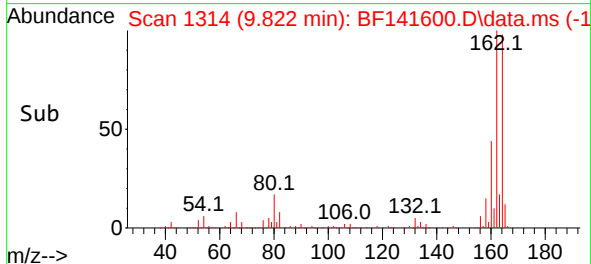
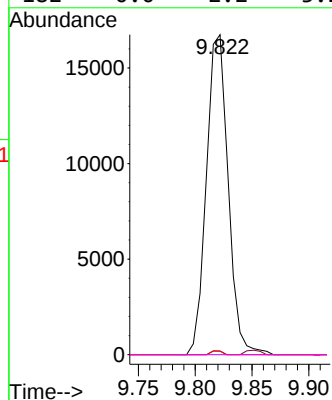
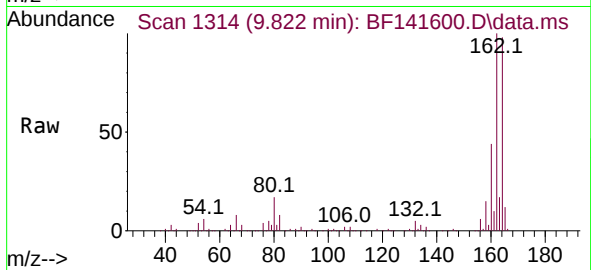




#57
2,4-Dinitrotoluene
Concen: 6.400 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

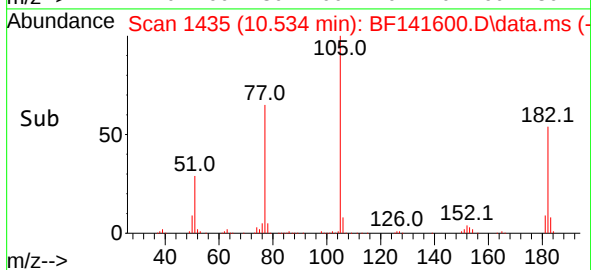
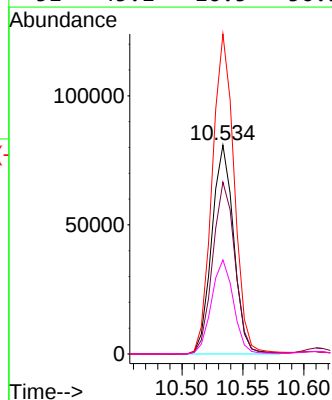
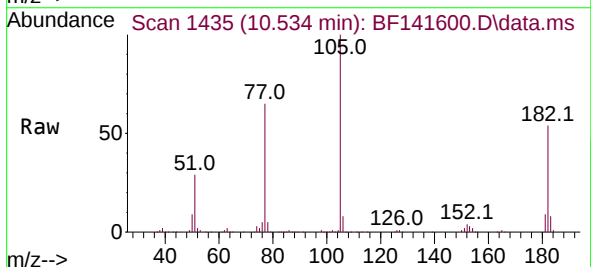
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WC-7

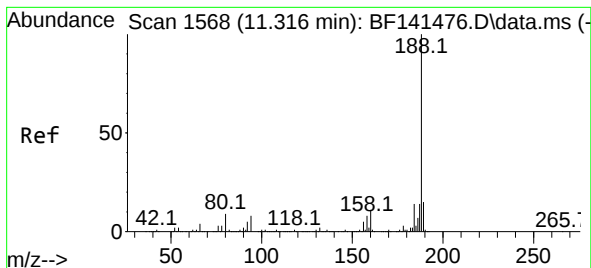
Tgt Ion:165 Resp: 22348
Ion Ratio Lower Upper
165 100
63 1.2 46.4 69.6#
89 1.1 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 8.631 ng
RT: 10.534 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

Tgt Ion: 77 Resp: 101295
Ion Ratio Lower Upper
77 100
182 82.3 4.7 44.7#
105 153.2 0.4 40.4#
51 45.1 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: BF141600.D

Acq: 12 Feb 2025 19:38

Instrument :

BNA_F

ClientSampleId :

WC-7

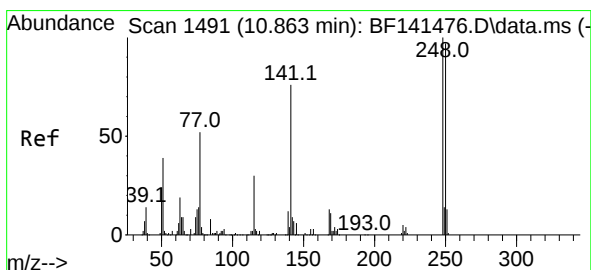
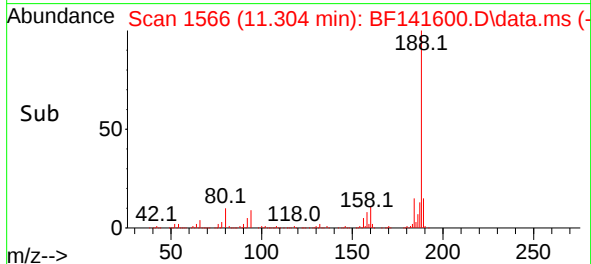
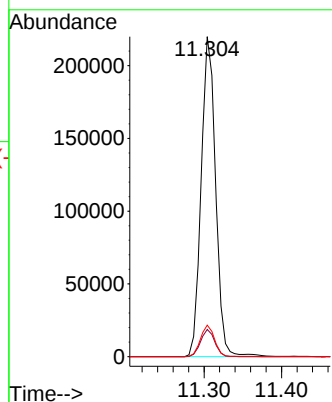
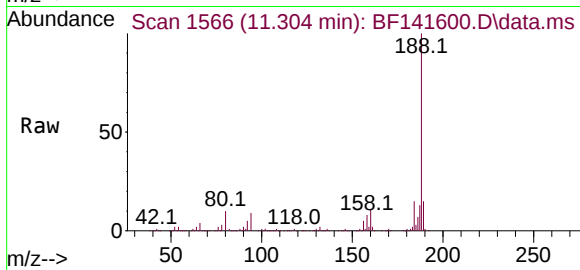
Tgt Ion:188 Resp: 285356

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.8 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.472 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141600.D

Acq: 12 Feb 2025 19:38

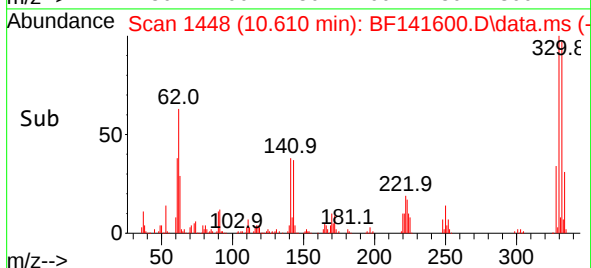
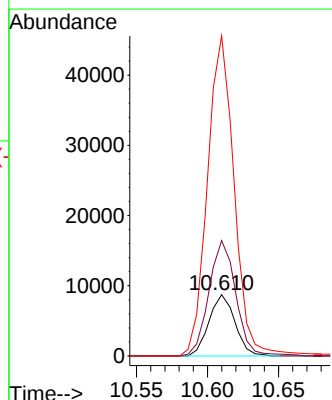
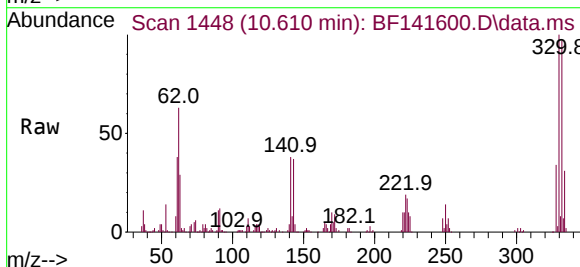
Tgt Ion:248 Resp: 11072

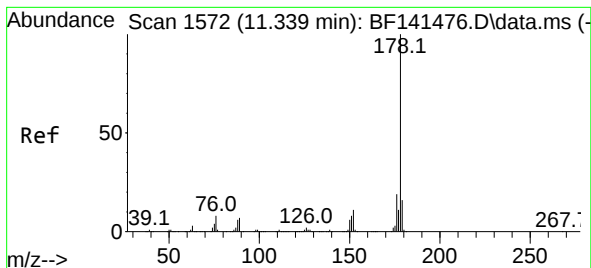
Ion Ratio Lower Upper

248 100

250 188.5 77.8 116.6#

141 522.7 60.6 90.8#





#71

Phenanthrene

Concen: 6.904 ng

RT: 11.328 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141600.D

Acq: 12 Feb 2025 19:38

Instrument :

BNA_F

ClientSampleId :

WC-7

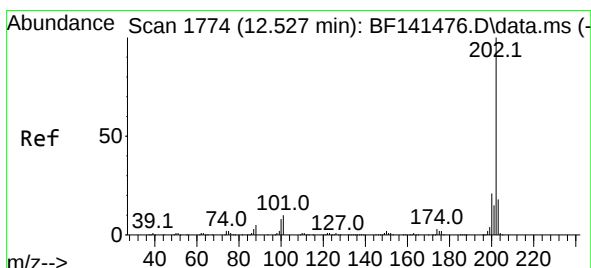
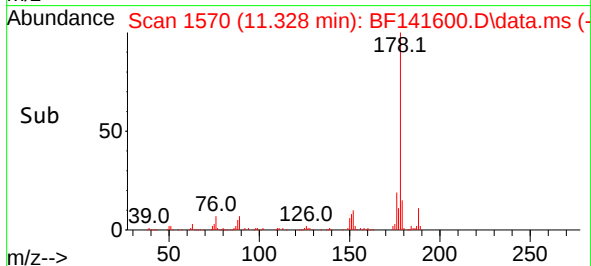
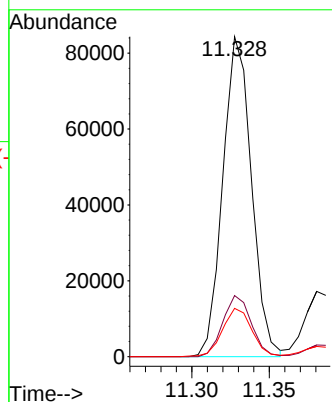
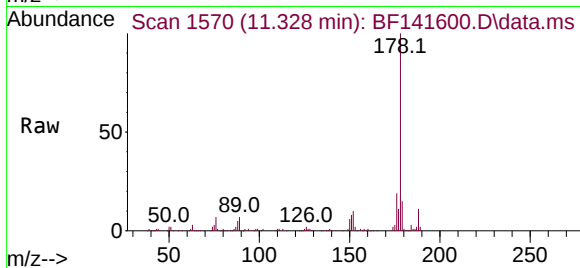
Tgt Ion:178 Resp: 108451

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 15.1 12.4 18.6



#75

Fluoranthene

Concen: 11.122 ng

RT: 12.516 min Scan# 1772

Delta R.T. -0.017 min

Lab File: BF141600.D

Acq: 12 Feb 2025 19:38

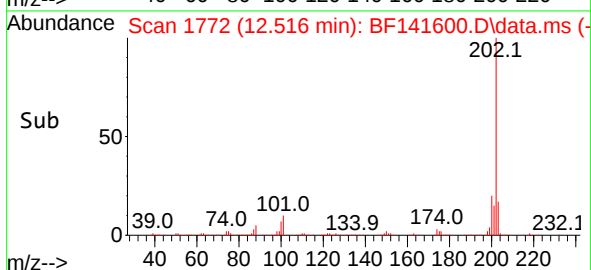
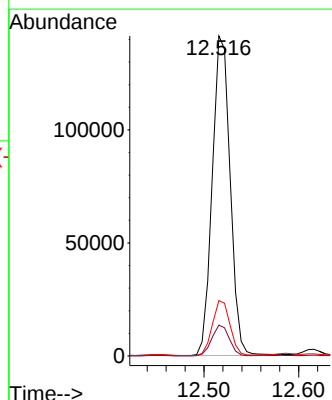
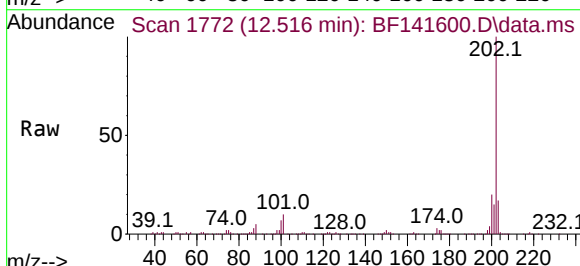
Tgt Ion:202 Resp: 185216

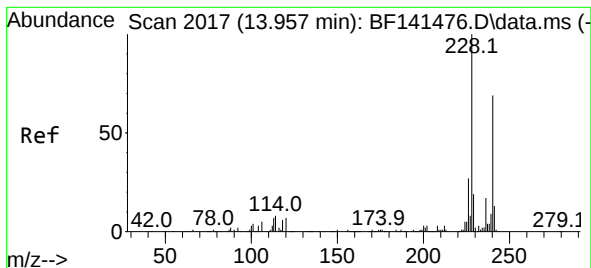
Ion Ratio Lower Upper

202 100

101 9.7 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. -0.017 min

Lab File: BF141600.D

Acq: 12 Feb 2025 19:38

Instrument :

BNA_F

ClientSampleId :

WC-7

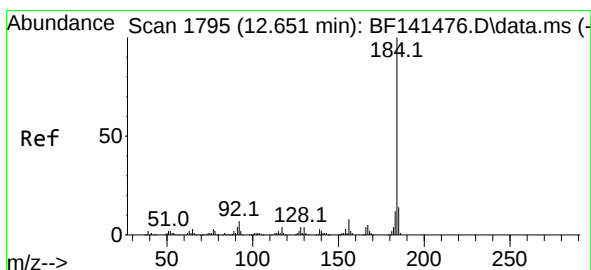
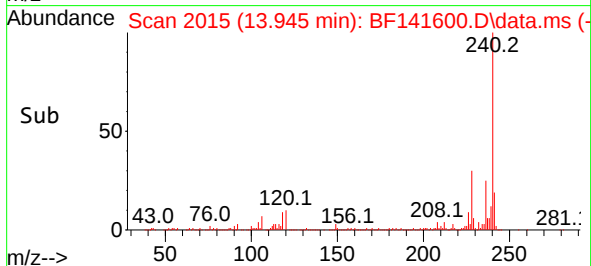
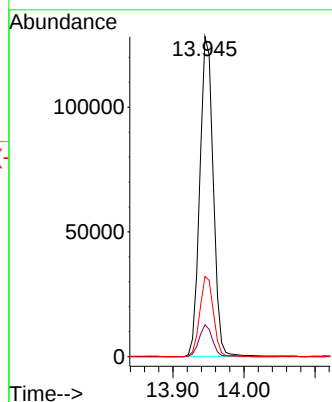
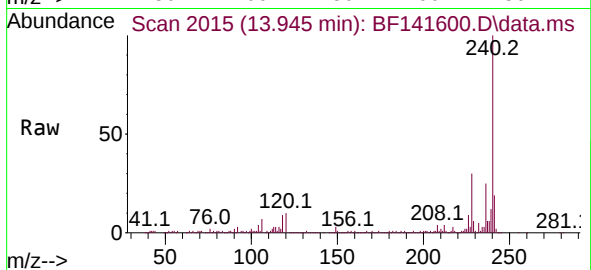
Tgt Ion:240 Resp: 170029

Ion Ratio Lower Upper

240 100

120 10.0 8.0 12.0

236 25.1 19.8 29.8



#77

Benzidine

Concen: 2.038 ng

RT: 12.892 min Scan# 1836

Delta R.T. 0.236 min

Lab File: BF141600.D

Acq: 12 Feb 2025 19:38

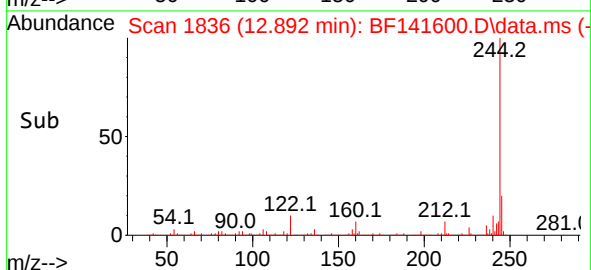
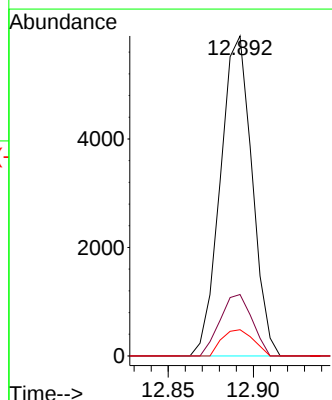
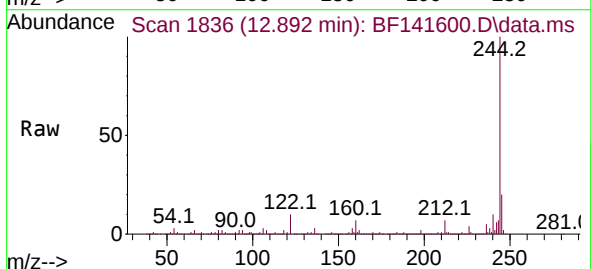
Tgt Ion:184 Resp: 7644

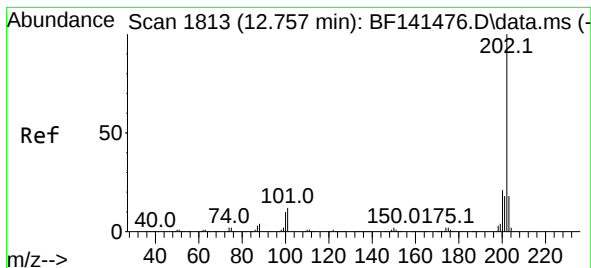
Ion Ratio Lower Upper

184 100

185 19.2 11.3 16.9#

183 8.2 9.3 13.9#





#78

Pyrene

Concen: 10.627 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.017 min

Lab File: BF141600.D

Acq: 12 Feb 2025 19:38

Instrument :

BNA_F

ClientSampleId :

WC-7

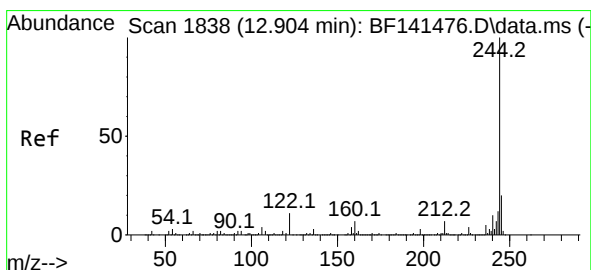
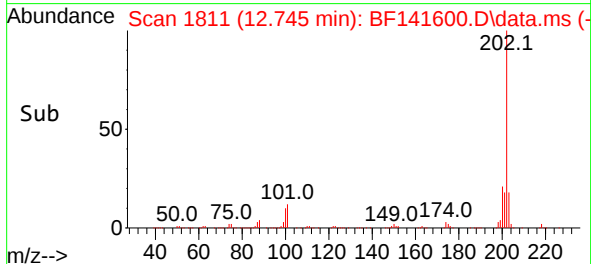
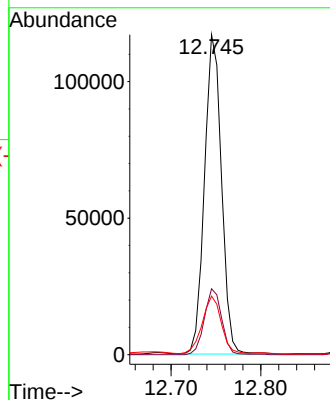
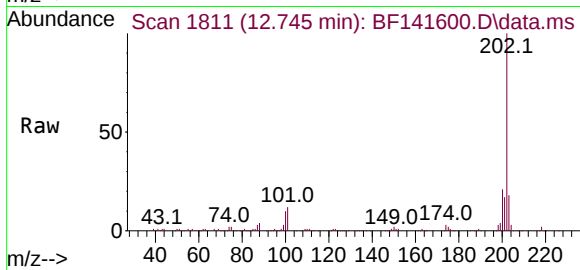
Tgt Ion:202 Resp: 153809

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

203 18.3 14.3 21.5



#79

Terphenyl-d14

Concen: 57.843 ng

RT: 12.892 min Scan# 1836

Delta R.T. -0.012 min

Lab File: BF141600.D

Acq: 12 Feb 2025 19:38

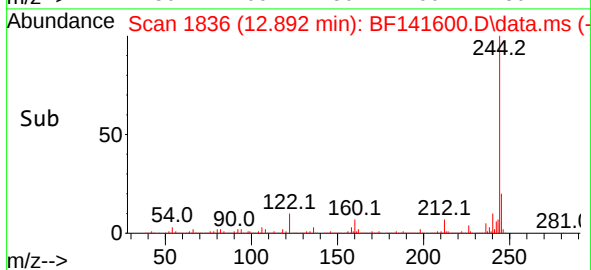
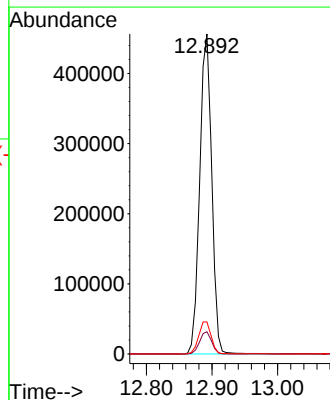
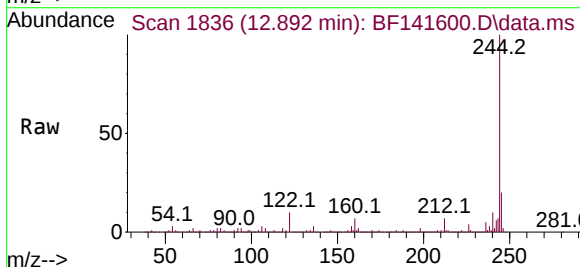
Tgt Ion:244 Resp: 582578

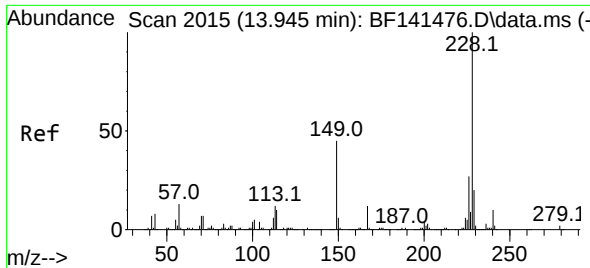
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.0 8.4 12.6

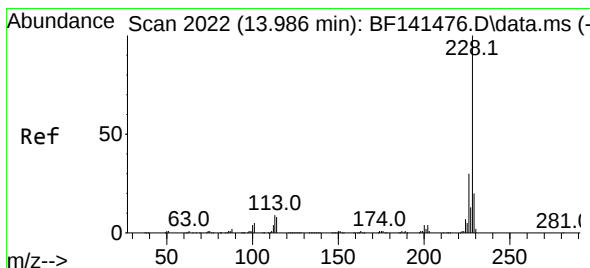
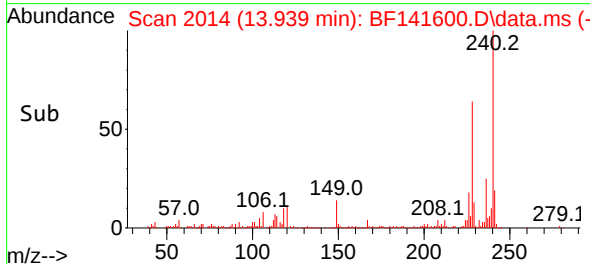
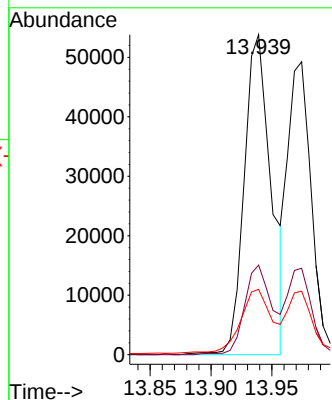
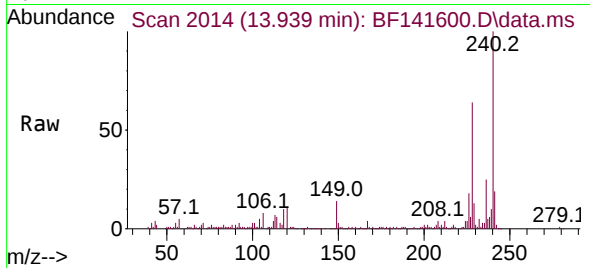




#81
Benzo(a)anthracene
Concen: 7.295 ng
RT: 13.939 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

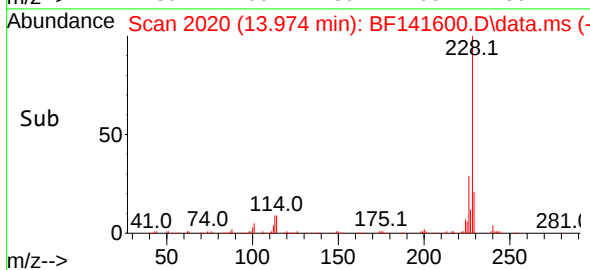
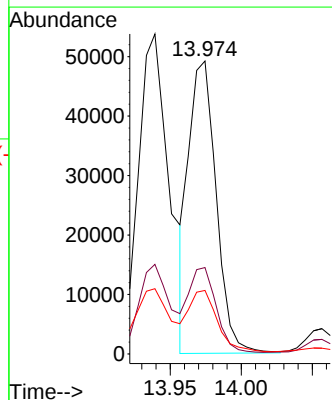
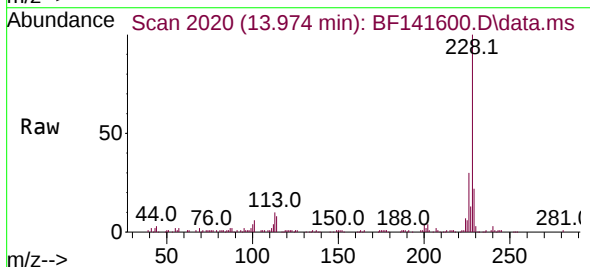
Instrument :
BNA_F
ClientSampleId :
WC-7

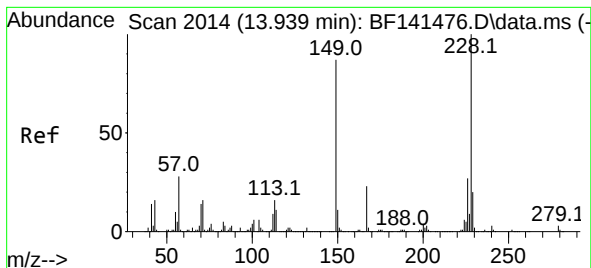
Tgt Ion:228 Resp: 82446
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.8
229 20.4 15.8 23.6



#83
Chrysene
Concen: 6.330 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.017 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

Tgt Ion:228 Resp: 66057
Ion Ratio Lower Upper
228 100
226 29.5 24.0 36.0
229 21.7 15.7 23.5

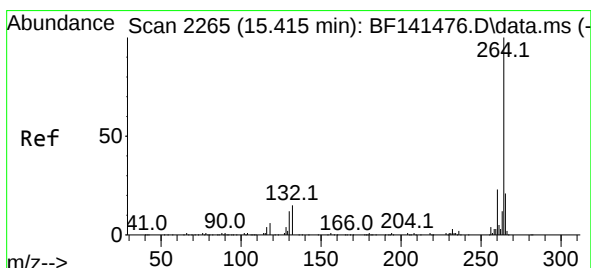
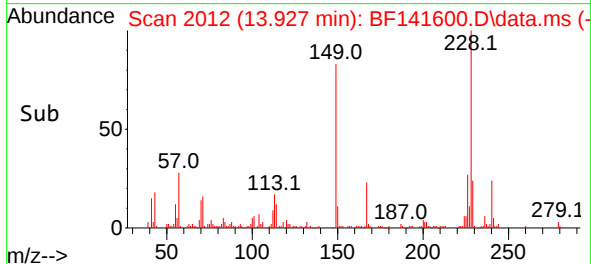
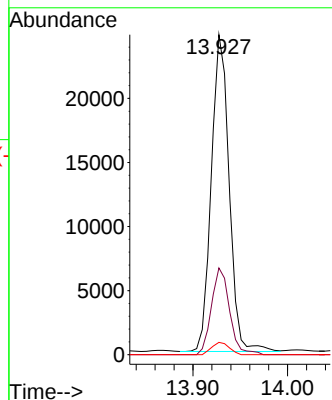
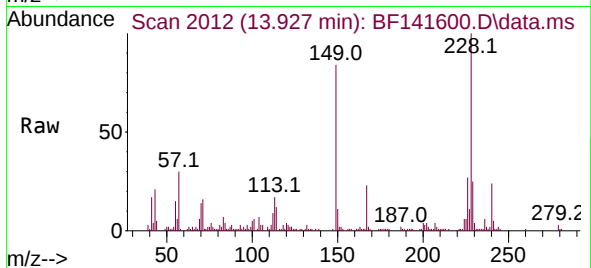




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.727 ng
 RT: 13.927 min Scan# 2014
 Delta R.T. -0.012 min
 Lab File: BF141600.D
 Acq: 12 Feb 2025 19:38

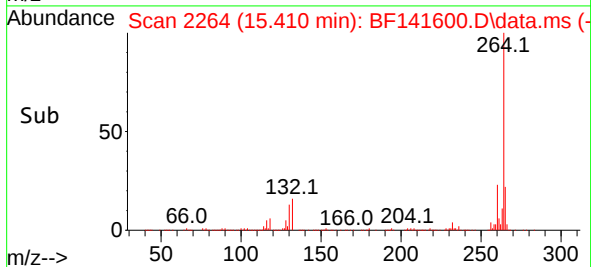
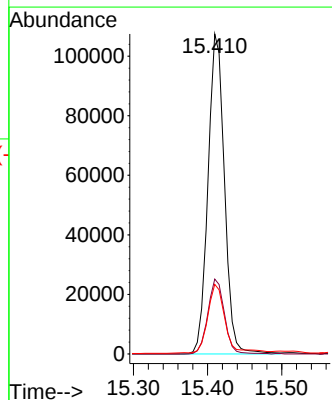
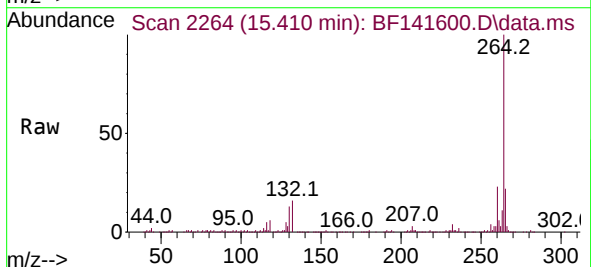
Instrument :
 BNA_F
 ClientSampleId :
 WC-7

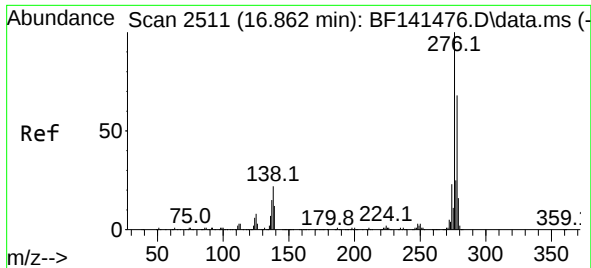
Tgt Ion:149 Resp: 32381
 Ion Ratio Lower Upper
 149 100
 167 27.1 21.4 32.0
 279 3.8 3.1 4.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2264
 Delta R.T. -0.006 min
 Lab File: BF141600.D
 Acq: 12 Feb 2025 19:38

Tgt Ion:264 Resp: 166004
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.8 17.0 25.4

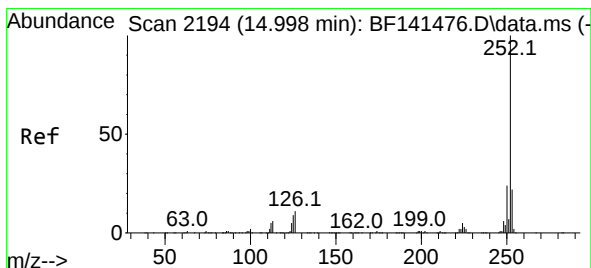
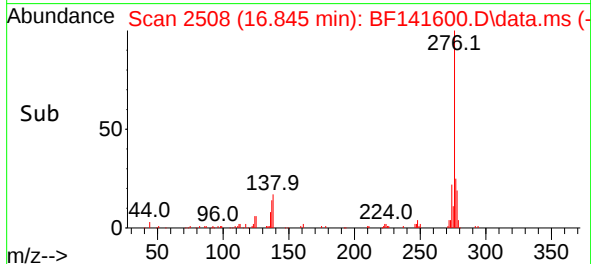
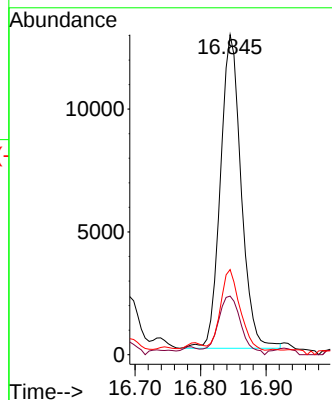
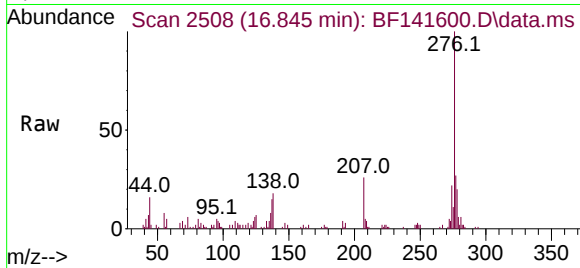




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.738 ng
 RT: 16.845 min Scan# 2193
 Delta R.T. -0.029 min
 Lab File: BF141600.D
 Acq: 12 Feb 2025 19:38

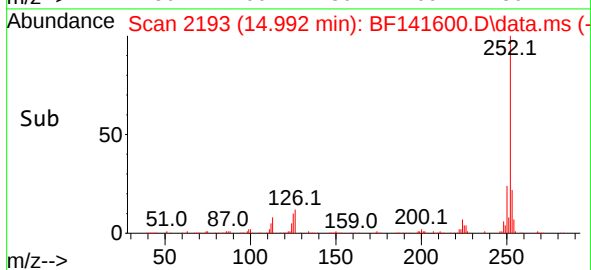
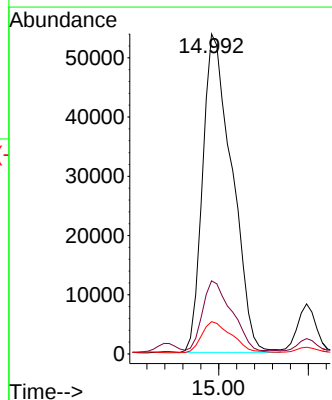
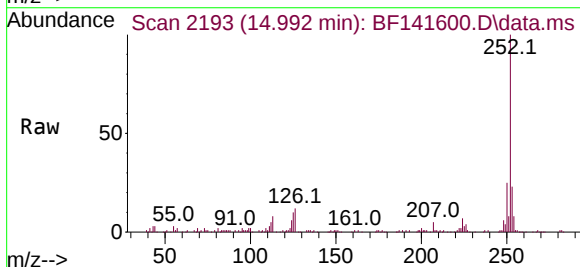
Instrument :
 BNA_F
 ClientSampleId :
 WC-7

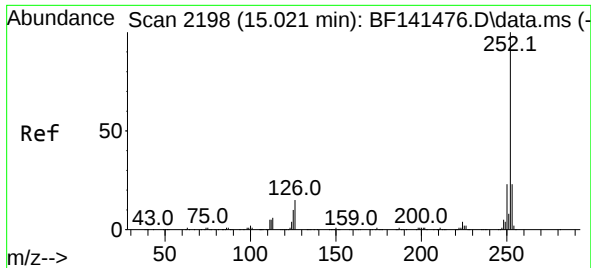
Tgt Ion:	276	Resp:	28087
Ion Ratio	Lower	Upper	
276	100		
138	20.8	18.0	27.0
277	24.4	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 10.932 ng
 RT: 14.992 min Scan# 2193
 Delta R.T. -0.012 min
 Lab File: BF141600.D
 Acq: 12 Feb 2025 19:38

Tgt Ion:	252	Resp:	121848
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.5	26.3
125	10.1	7.0	10.6

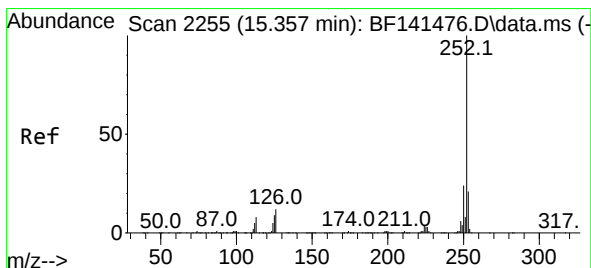
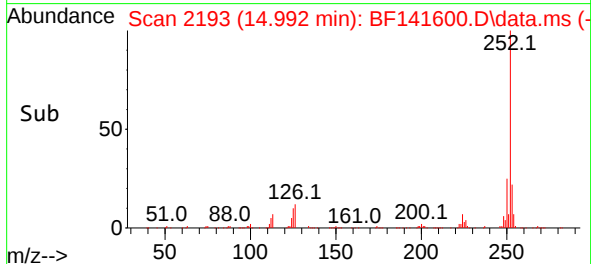
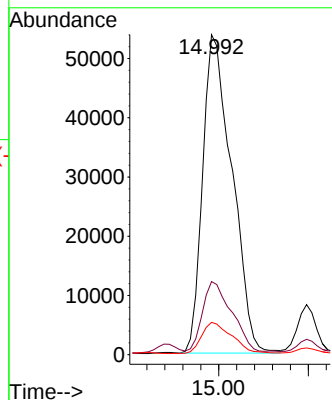
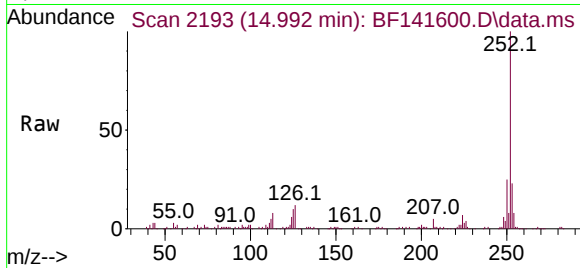




#89
Benzo(k)fluoranthene
Concen: 12.802 ng
RT: 14.992 min Scan# 2198
Delta R.T. -0.041 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

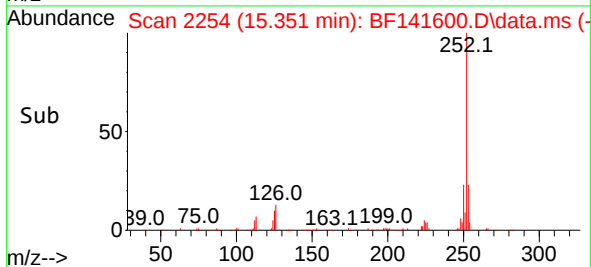
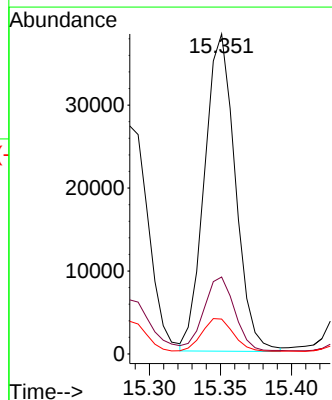
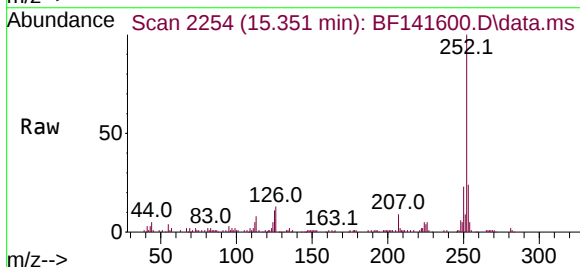
Instrument :
BNA_F
ClientSampleId :
WC-7

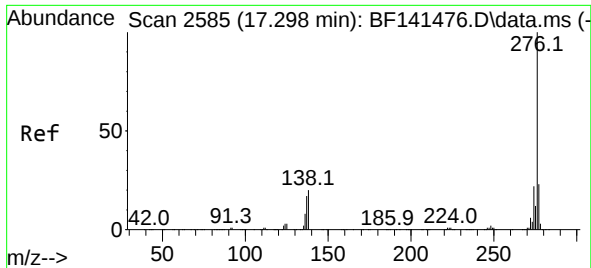
Tgt Ion:252 Resp: 121848
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 10.1 7.4 11.0



#90
Benzo(a)pyrene
Concen: 6.401 ng
RT: 15.351 min Scan# 2254
Delta R.T. -0.012 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

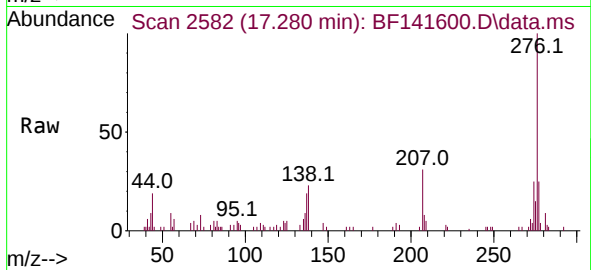
Tgt Ion:252 Resp: 57730
Ion Ratio Lower Upper
252 100
253 24.1 17.1 25.7
125 10.9 7.4 11.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.866 ng
 RT: 17.280 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF141600.D
 Acq: 12 Feb 2025 19:38

Instrument :
 BNA_F
 ClientSampleId :
 WC-7



Tgt Ion:	276	Resp:	24929
Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	28.0
138	22.9	15.9	23.9

