

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141566.D
 Acq On : 11 Feb 2025 17:08
 Operator : RC/JU
 Sample : Q1343-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9

Quant Time: Feb 11 17:28:29 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)

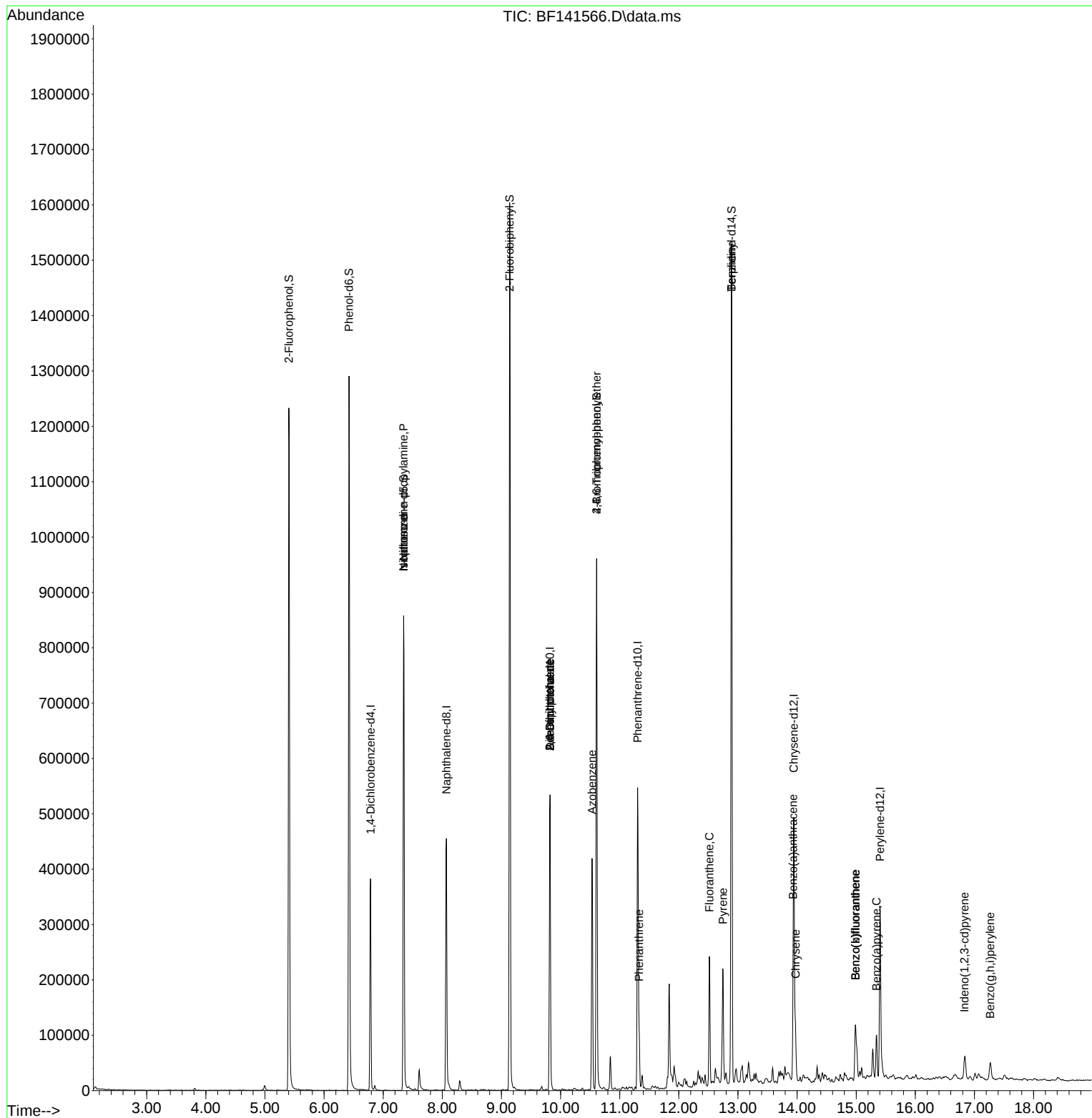
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	79064	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	307571	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	165558	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	282379	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	188770	20.000	ng	-0.02
86) Perylene-d12	15.404	264	181070	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	466243	92.450	ng	0.00
7) Phenol-d6	6.422	99	570401	89.487	ng	-0.02
23) Nitrobenzene-d5	7.345	82	382934	64.938	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	148882	89.520	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	711939	66.251	ng	-0.01
79) Terphenyl-d14	12.892	244	720164	64.404	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	51696	13.559	ng	# 76
25) Isophorone	7.345	82	370506	39.405	ng	# 66
50) Dimethylphthalate	9.822	163	24854	2.211	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	20959	8.530	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	20959	6.408	ng	# 18
63) Azobenzene	10.533	77	102346	9.310	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	10641	3.372	ng	# 1
71) Phenanthrene	11.327	178	51487	3.312	ng	99
75) Fluoranthene	12.516	202	133535	8.103	ng	99
77) Benzidine	12.892	184	9284	2.230	ng	# 89
78) Pyrene	12.745	202	116888	7.274	ng	99
81) Benzo(a)anthracene	13.933	228	70752	5.638	ng	95
83) Chrysene	13.974	228	52126	4.499	ng	96
87) Indeno(1,2,3-cd)pyrene	16.833	276	30537	2.729	ng	99
88) Benzo(b)fluoranthene	14.986	252	84787	6.974	ng	# 97
89) Benzo(k)fluoranthene	14.986	252	84787	8.167	ng	98
90) Benzo(a)pyrene	15.345	252	47243	4.802	ng	97
92) Benzo(g,h,i)perylene	17.268	276	27744	2.924	ng	99

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

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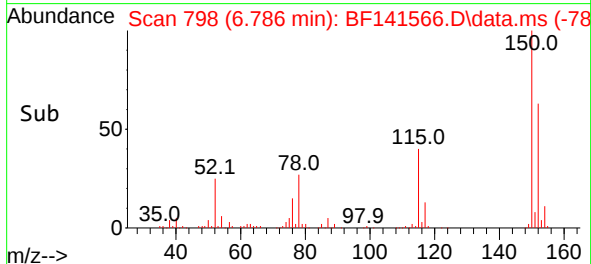
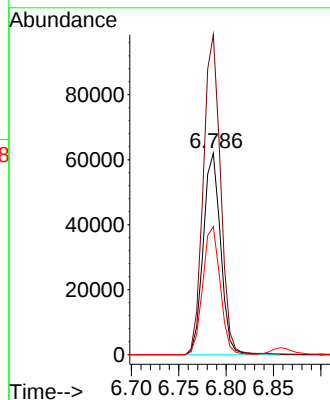
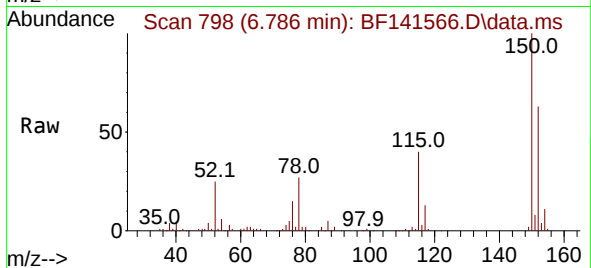




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

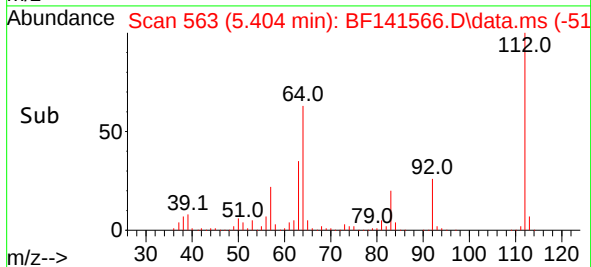
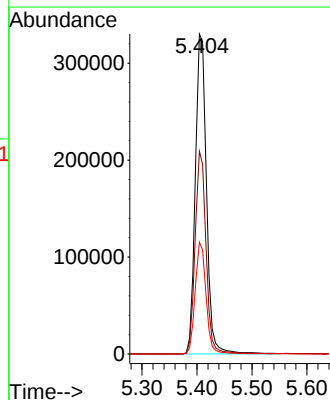
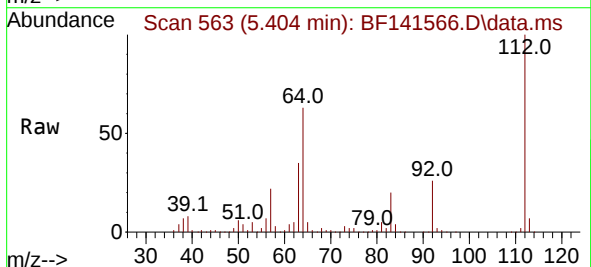
Instrument :
BNA_F
ClientSampleId :
WC-9

Tgt Ion:152 Resp: 79064
Ion Ratio Lower Upper
152 100
150 158.8 125.0 187.4
115 63.7 53.6 80.4



#5
2-Fluorophenol
Concen: 92.450 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

Tgt Ion:112 Resp: 466243
Ion Ratio Lower Upper
112 100
64 63.3 51.1 76.7
63 34.9 28.4 42.6

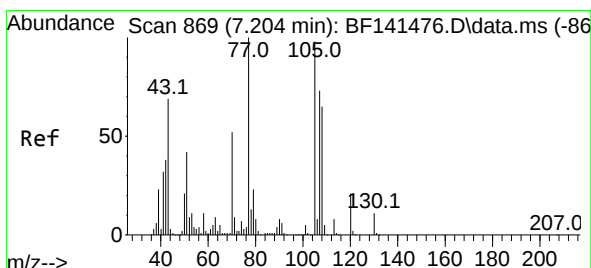
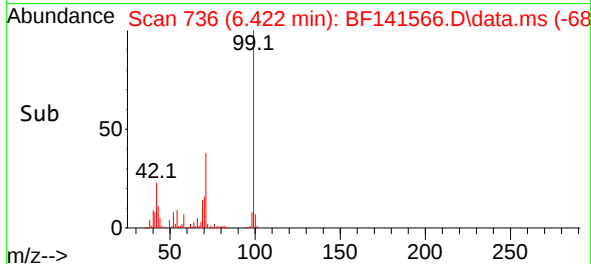
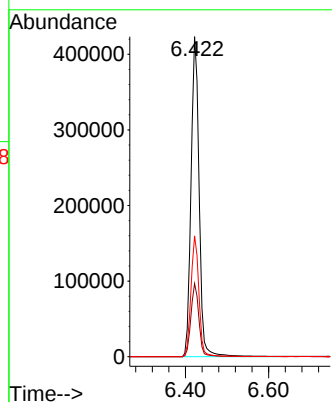
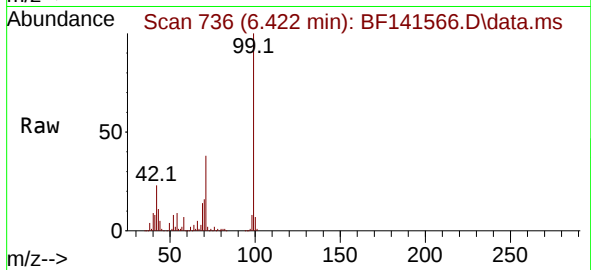




#7
Phenol-d6
Concen: 89.487 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

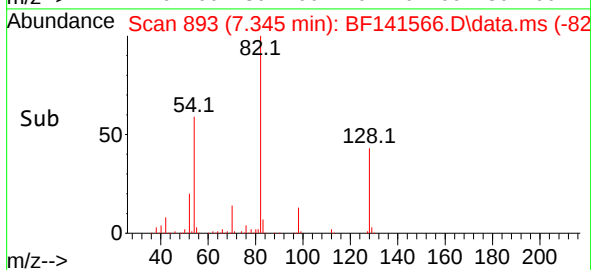
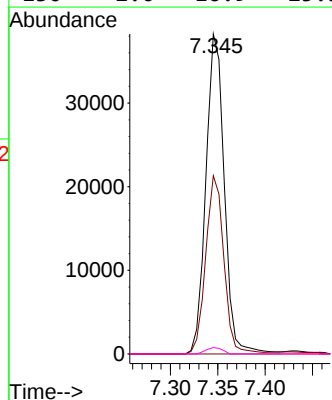
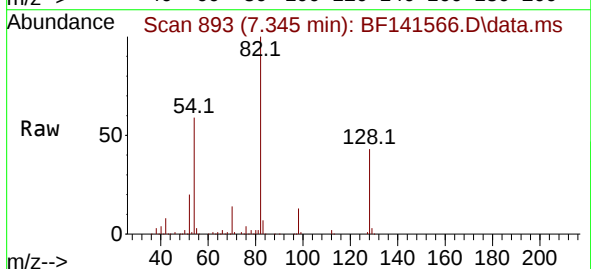
Instrument :
BNA_F
ClientSampleId :
WC-9

Tgt Ion: 99 Resp: 570401
Ion Ratio Lower Upper
99 100
42 22.8 19.1 28.7
71 37.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.559 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

Tgt Ion: 70 Resp: 51696
Ion Ratio Lower Upper
70 100
42 55.7 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#

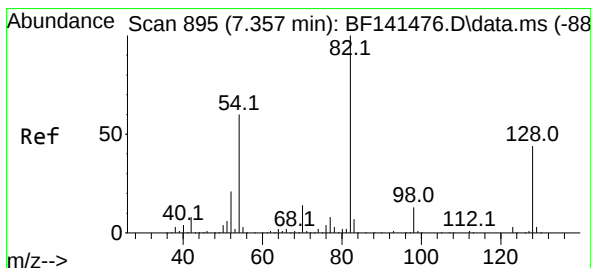
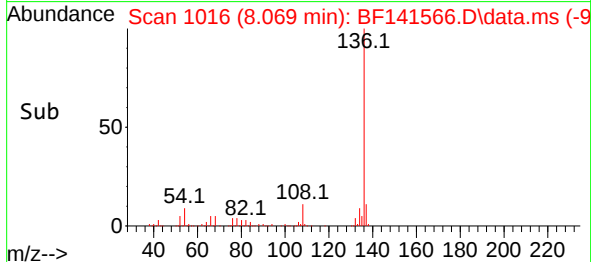
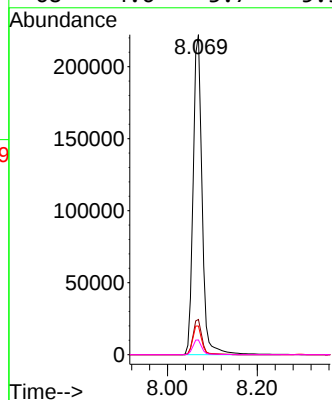
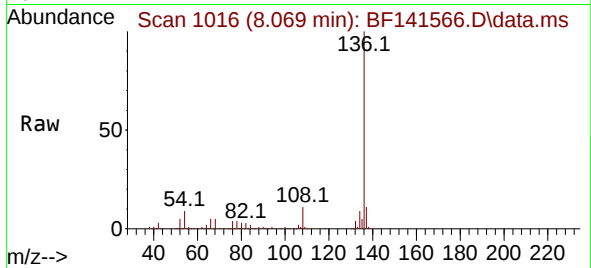




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

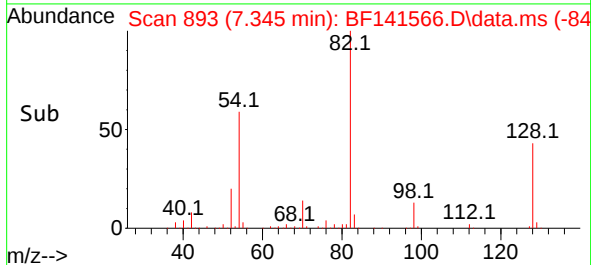
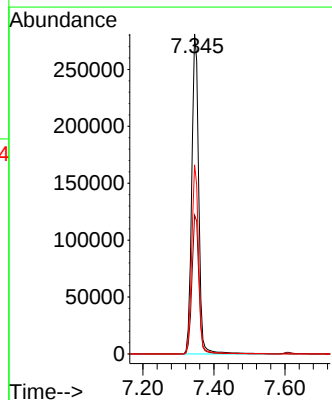
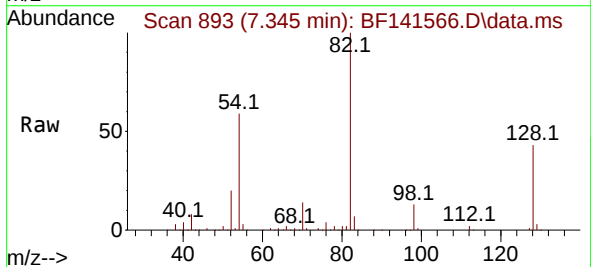
Instrument :
BNA_F
ClientSampleId :
WC-9

Tgt Ion:136 Resp: 307571
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.0 7.2 10.8
68 4.6 3.7 5.5



#23
Nitrobenzene-d5
Concen: 64.938 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

Tgt Ion: 82 Resp: 382934
Ion Ratio Lower Upper
82 100
128 43.4 34.8 52.2
54 59.1 48.2 72.4

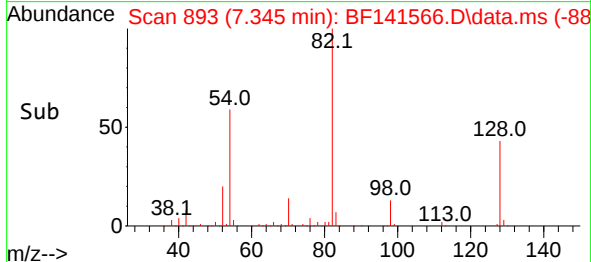
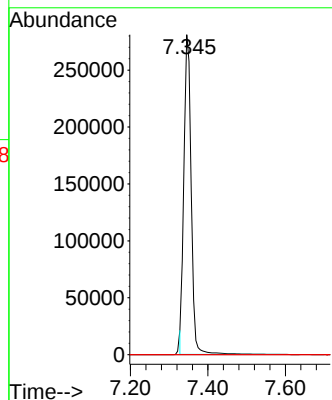
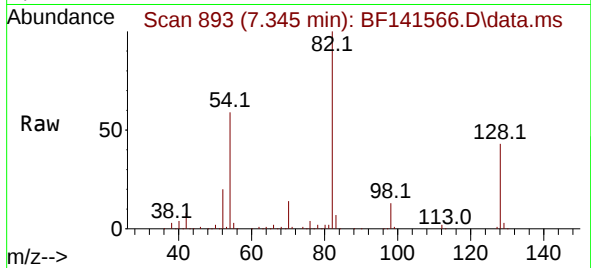




#25
Isophorone
Concen: 39.405 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

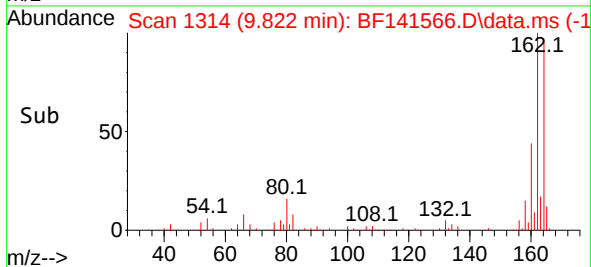
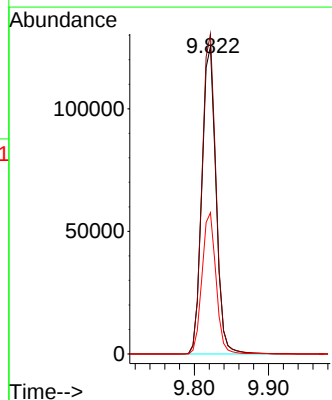
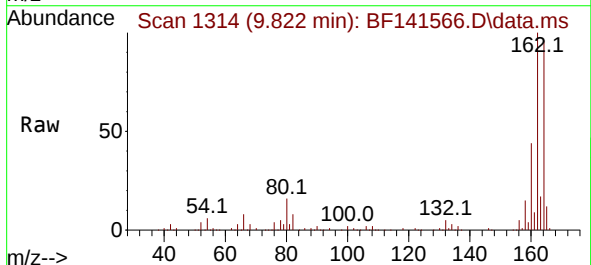
Instrument :
BNA_F
ClientSampleId :
WC-9

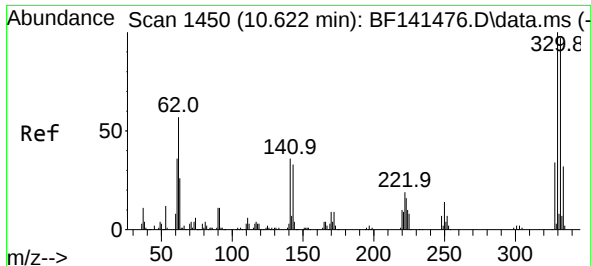
Tgt Ion: 82 Resp: 370506
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

Tgt Ion: 164 Resp: 165558
Ion Ratio Lower Upper
164 100
162 104.1 81.3 121.9
160 46.0 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 89.520 ng

RT: 10.610 min Scan# 1450

Delta R.T. -0.018 min

Lab File: BF141566.D

Acq: 11 Feb 2025 17:08

Instrument :

BNA_F

ClientSampleId :

WC-9

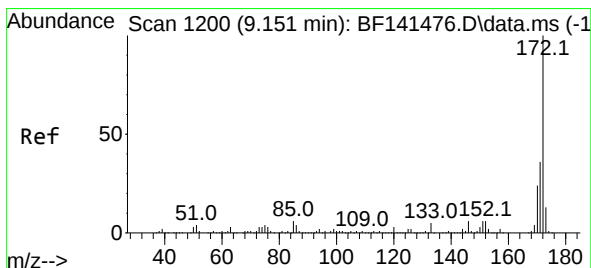
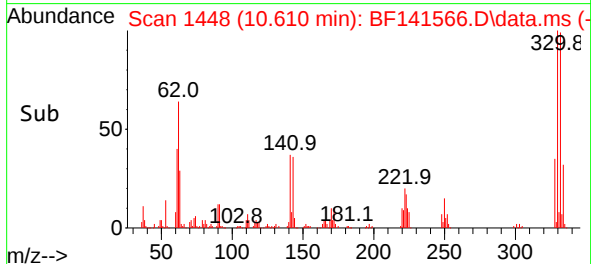
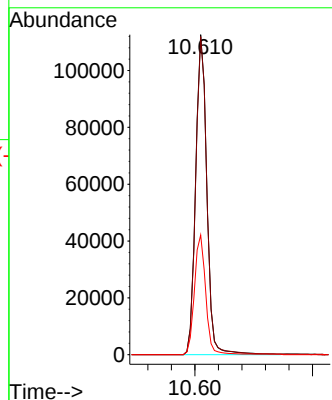
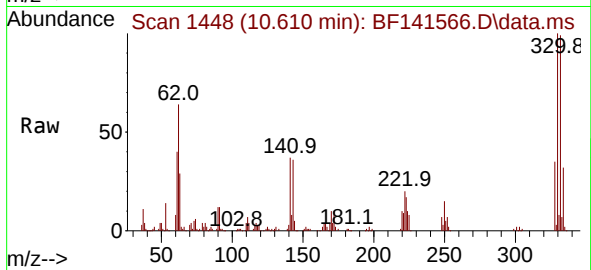
Tgt Ion:330 Resp: 148882

Ion Ratio Lower Upper

330 100

332 99.1 78.5 117.7

141 37.6 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 66.251 ng

RT: 9.139 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF141566.D

Acq: 11 Feb 2025 17:08

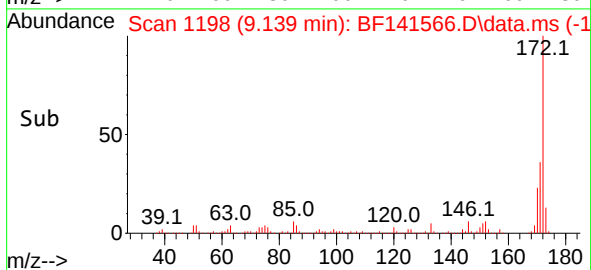
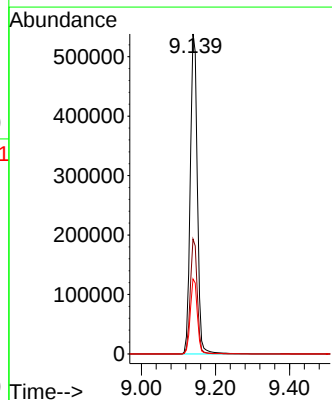
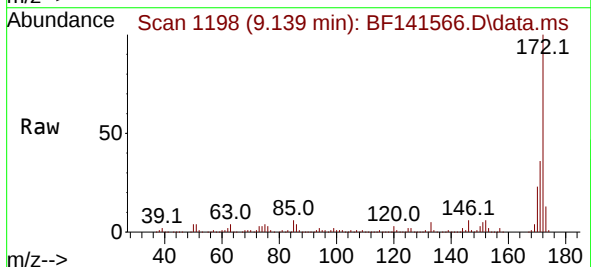
Tgt Ion:172 Resp: 711939

Ion Ratio Lower Upper

172 100

171 35.9 28.7 43.1

170 23.4 18.9 28.3

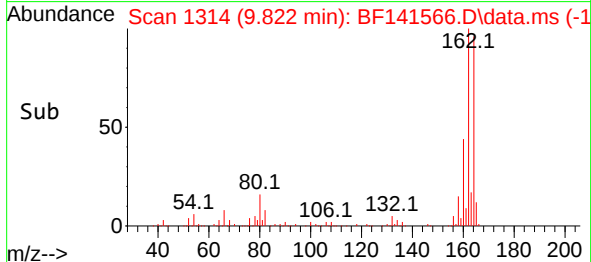
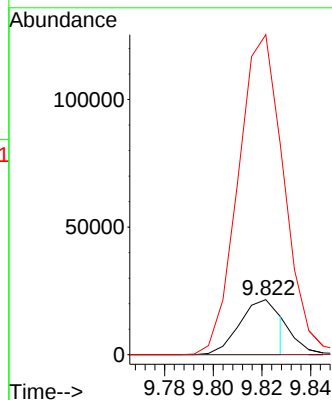
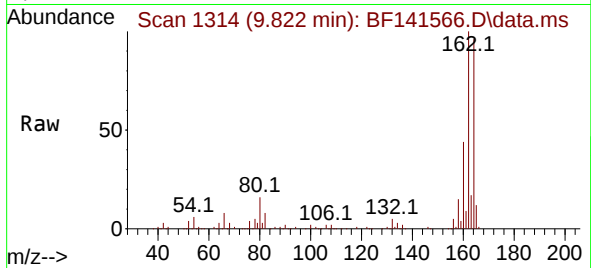




#50
Dimethylphthalate
Concen: 2.211 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

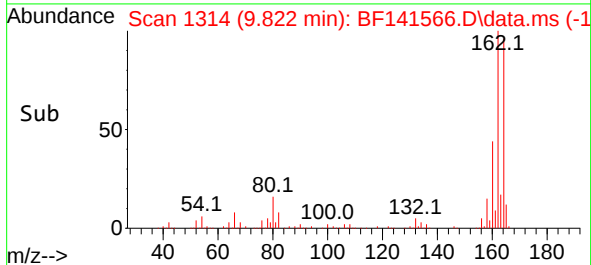
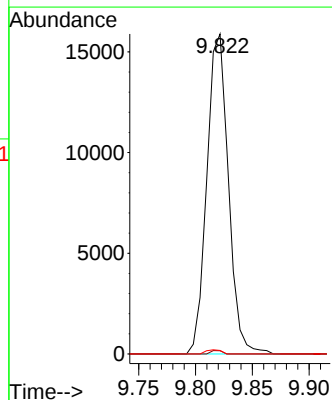
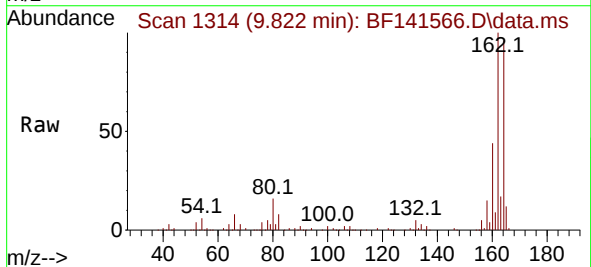
Instrument :
BNA_F
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WC-9

Tgt Ion:163 Resp: 24854
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 580.6 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.530 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

Tgt Ion:165 Resp: 20959
Ion Ratio Lower Upper
165 100
63 1.0 49.4 74.0#
89 1.1 46.5 69.7#

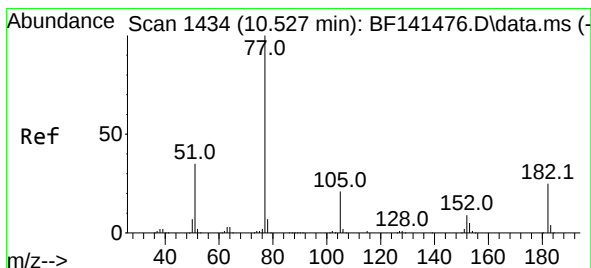
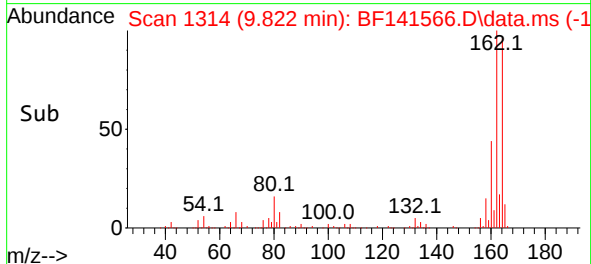
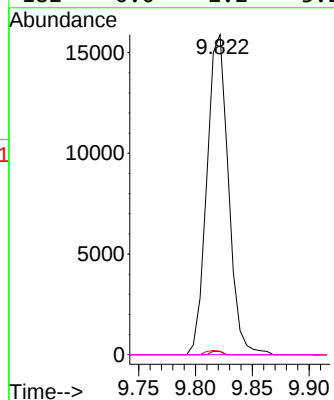
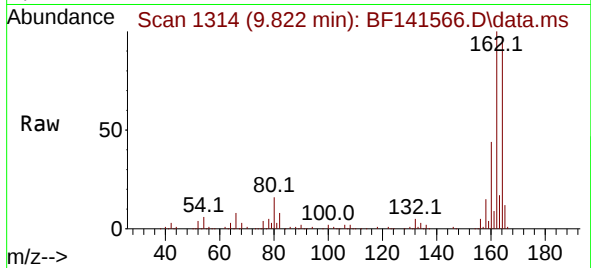




#57
2,4-Dinitrotoluene
Concen: 6.408 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

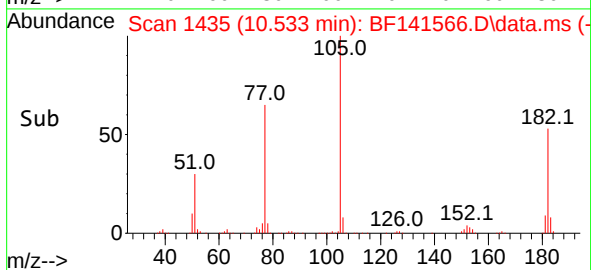
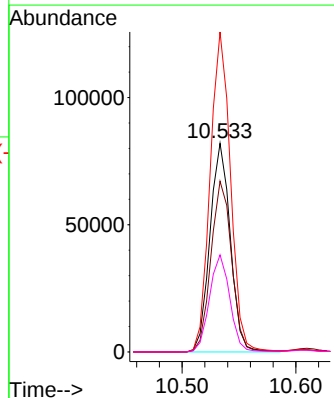
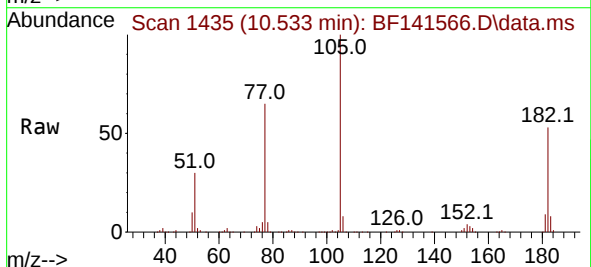
Instrument :
BNA_F
ClientSampleId :
WC-9

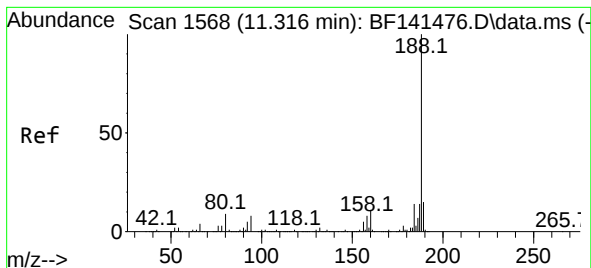
Tgt Ion:	165	Resp:	20959
Ion	Ratio	Lower	Upper
165	100		
63	1.0	46.4	69.6#
89	1.1	61.8	92.6#
182	0.0	2.2	3.2#



#63
Azobenzene
Concen: 9.310 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

Tgt Ion:	77	Resp:	102346
Ion	Ratio	Lower	Upper
77	100		
182	81.8	4.7	44.7#
105	153.3	0.4	40.4#
51	46.5	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: BF141566.D

Acq: 11 Feb 2025 17:08

Instrument :

BNA_F

ClientSampleId :

WC-9

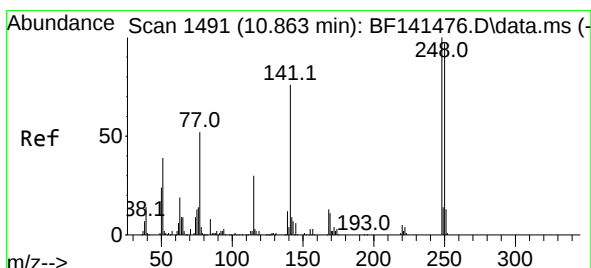
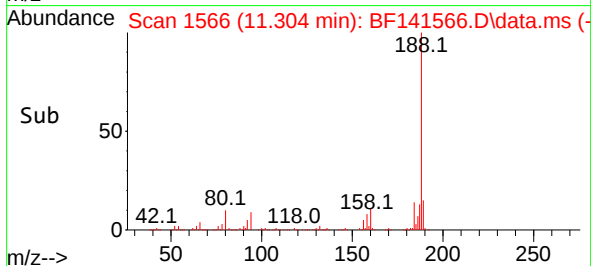
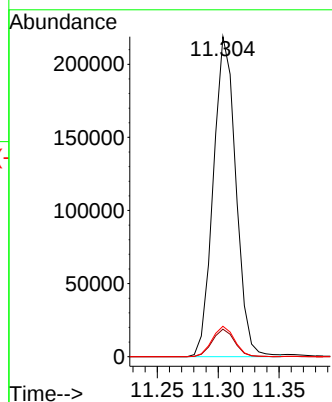
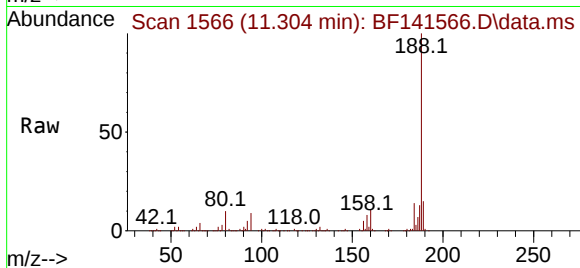
Tgt Ion:188 Resp: 282379

Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 9.5 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.372 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141566.D

Acq: 11 Feb 2025 17:08

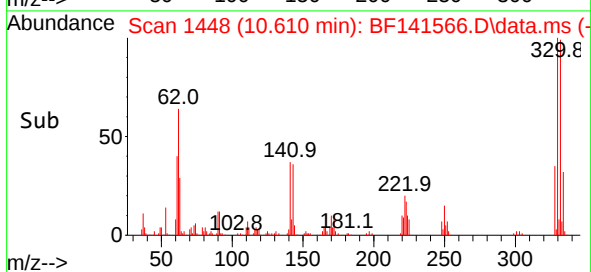
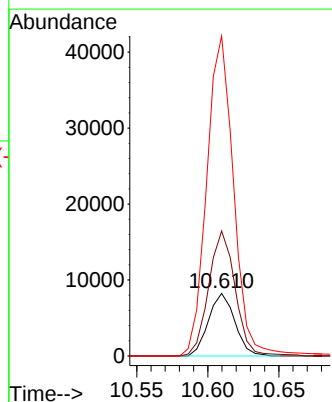
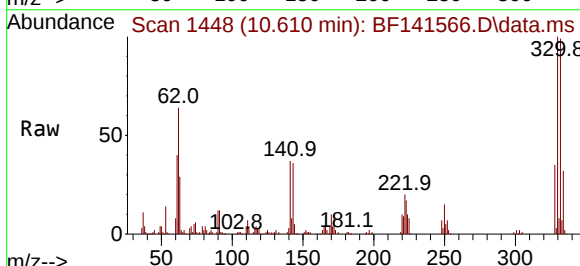
Tgt Ion:248 Resp: 10641

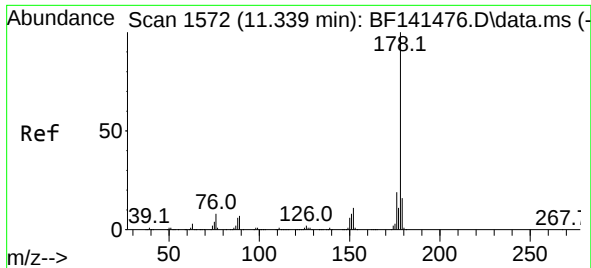
Ion Ratio Lower Upper

248 100

250 199.8 77.8 116.6#

141 511.4 60.6 90.8#

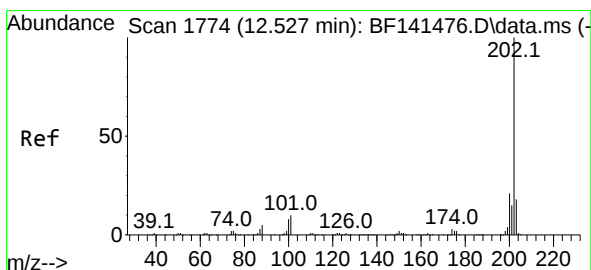
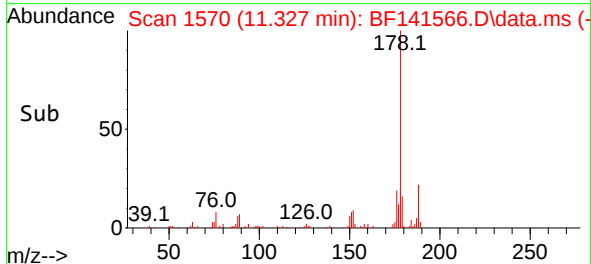
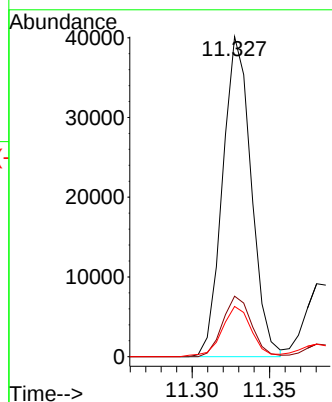
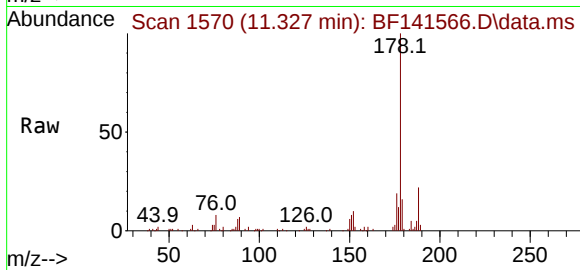




#71
Phenanthrene
Concen: 3.312 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

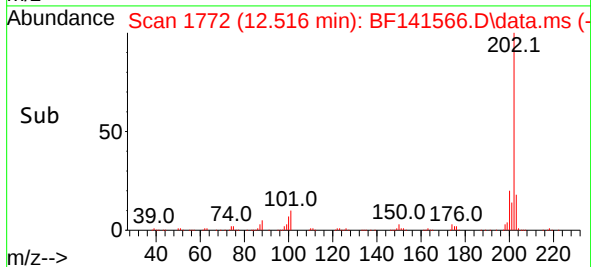
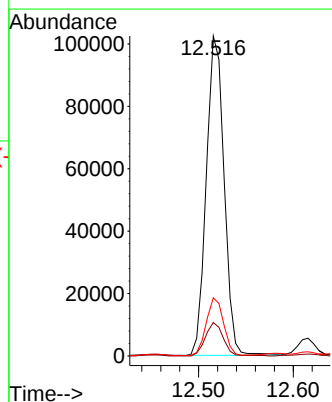
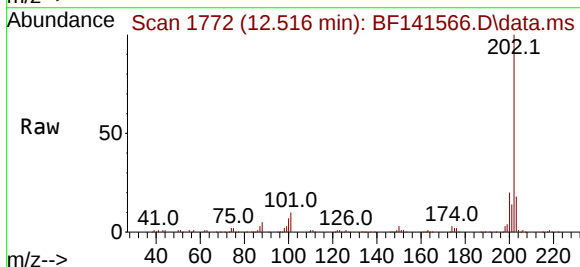
Instrument :
BNA_F
ClientSampleId :
WC-9

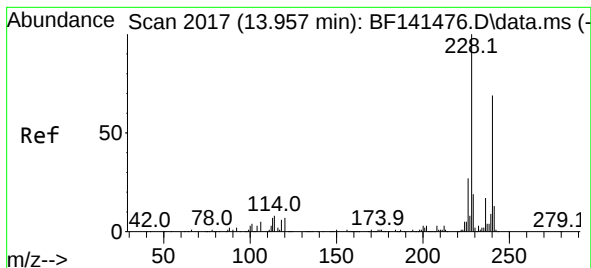
Tgt Ion:178 Resp: 51487
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.7 12.4 18.6



#75
Fluoranthene
Concen: 8.103 ng
RT: 12.516 min Scan# 1772
Delta R.T. -0.018 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

Tgt Ion:202 Resp: 133535
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.2
203 18.2 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: BF141566.D

Acq: 11 Feb 2025 17:08

Instrument :

BNA_F

ClientSampleId :

WC-9

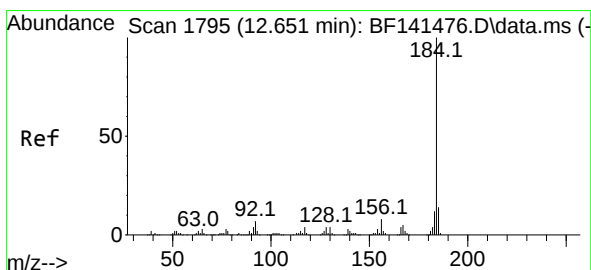
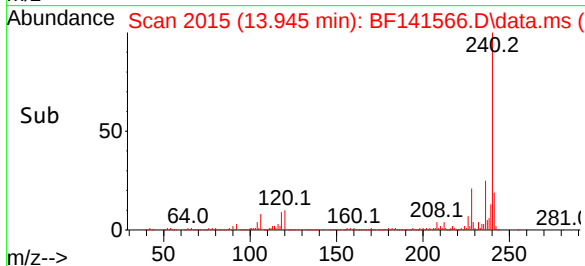
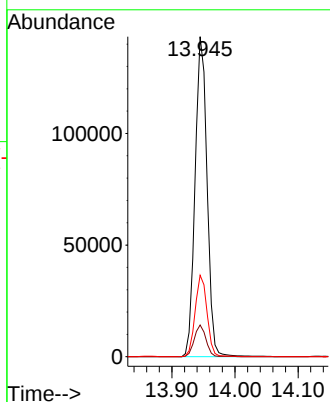
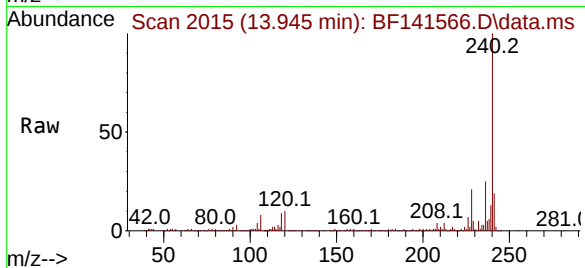
Tgt Ion:240 Resp: 188770

Ion Ratio Lower Upper

240 100

120 9.9 8.0 12.0

236 25.4 19.8 29.8



#77

Benzdine

Concen: 2.230 ng

RT: 12.892 min Scan# 1836

Delta R.T. 0.235 min

Lab File: BF141566.D

Acq: 11 Feb 2025 17:08

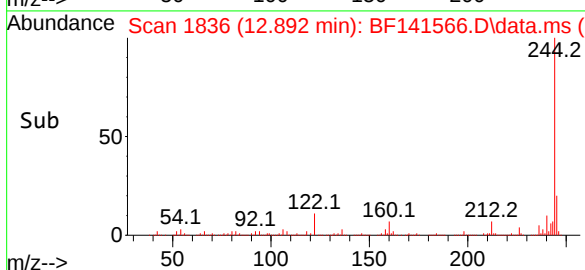
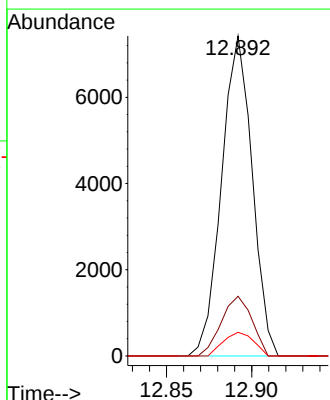
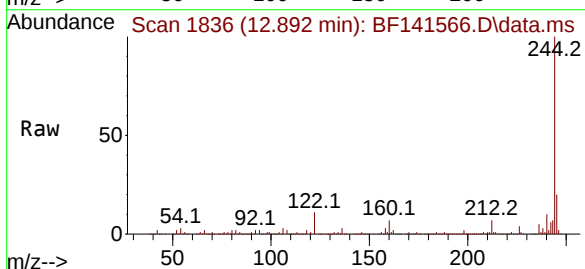
Tgt Ion:184 Resp: 9284

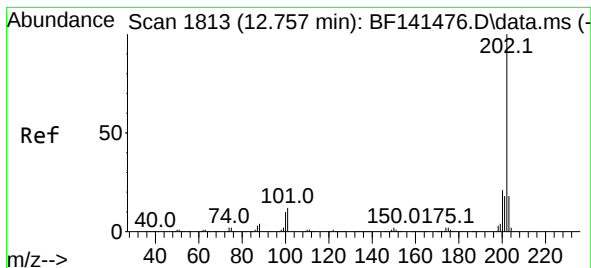
Ion Ratio Lower Upper

184 100

185 18.7 11.3 16.9#

183 7.4 9.3 13.9#





#78

Pyrene

Concen: 7.274 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.018 min

Lab File: BF141566.D

Acq: 11 Feb 2025 17:08

Instrument :

BNA_F

ClientSampleId :

WC-9

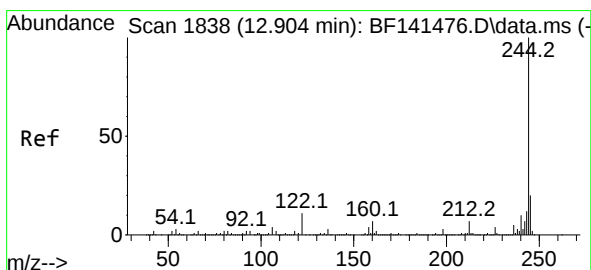
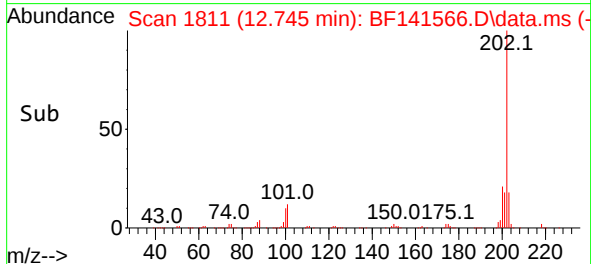
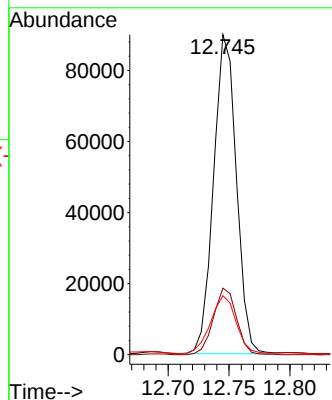
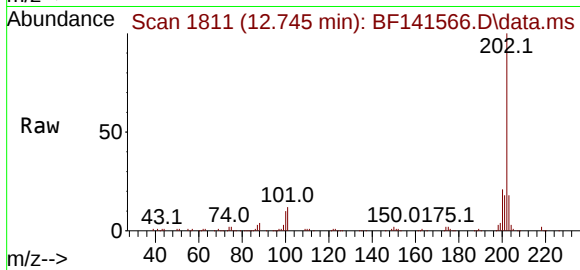
Tgt Ion:202 Resp: 116888

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 18.5 14.3 21.5



#79

Terphenyl-d14

Concen: 64.404 ng

RT: 12.892 min Scan# 1836

Delta R.T. -0.012 min

Lab File: BF141566.D

Acq: 11 Feb 2025 17:08

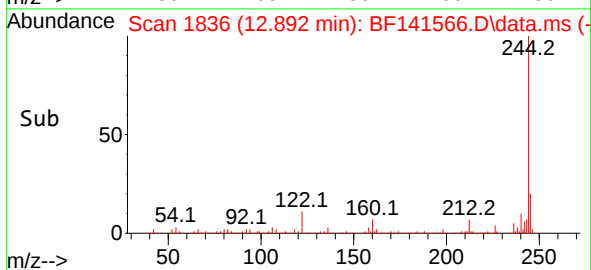
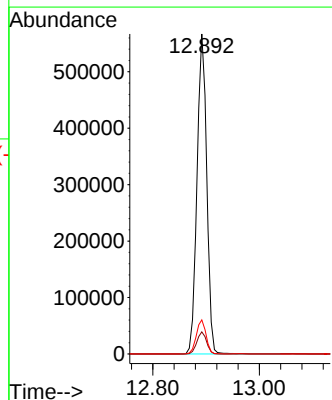
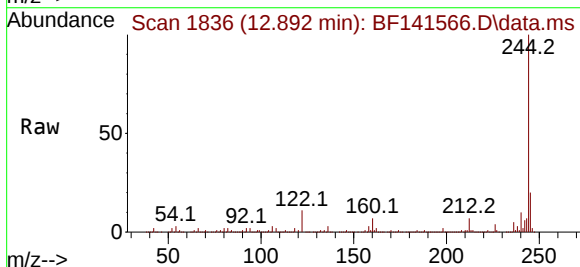
Tgt Ion:244 Resp: 720164

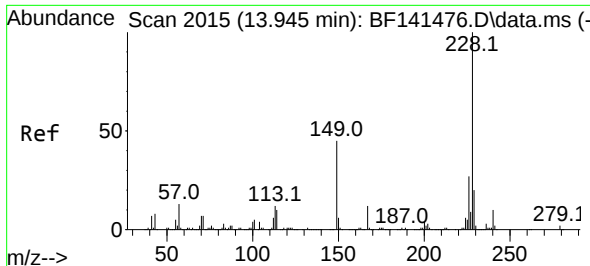
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 10.6 8.4 12.6

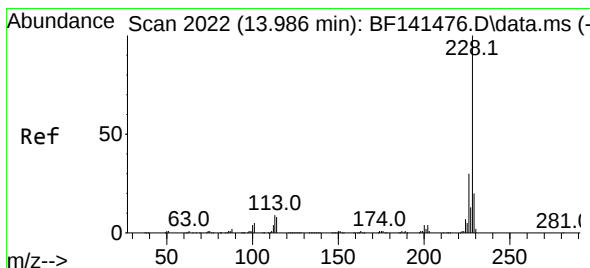
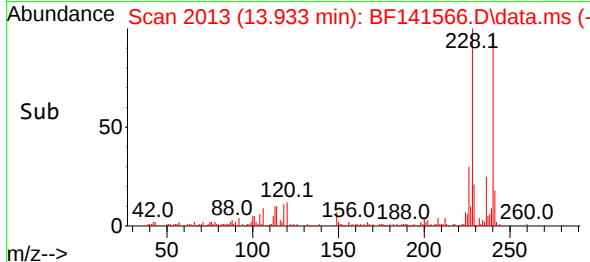
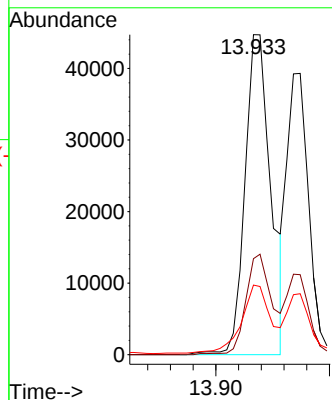
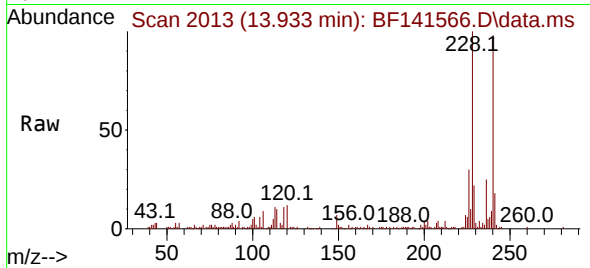




#81
Benzo(a)anthracene
Concen: 5.638 ng
RT: 13.933 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

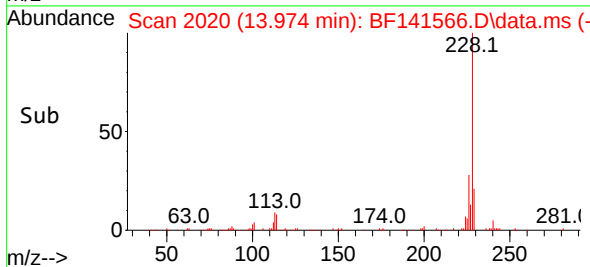
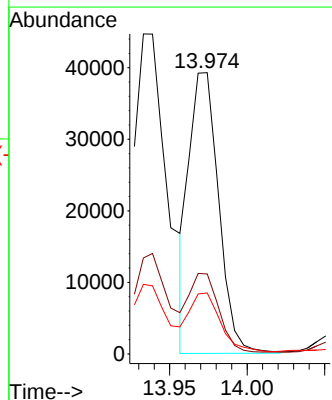
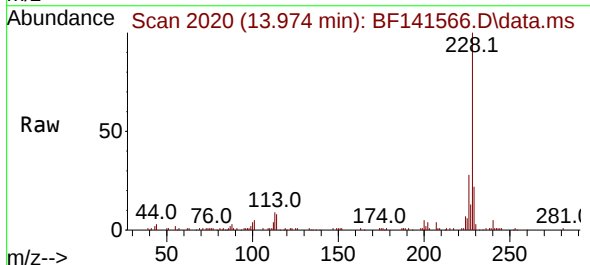
Instrument :
BNA_F
ClientSampleId :
WC-9

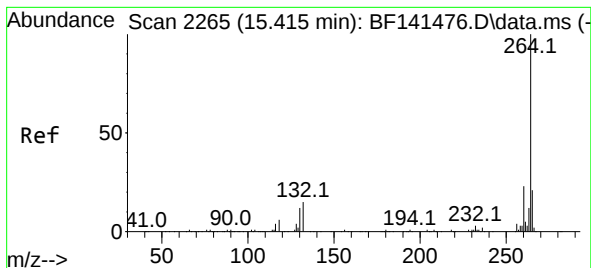
Tgt Ion:228 Resp: 70752
Ion Ratio Lower Upper
228 100
226 30.0 21.8 32.8
229 21.7 15.8 23.6



#83
Chrysene
Concen: 4.499 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.018 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

Tgt Ion:228 Resp: 52126
Ion Ratio Lower Upper
228 100
226 28.4 24.0 36.0
229 21.7 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141566.D

Acq: 11 Feb 2025 17:08

Instrument :

BNA_F

ClientSampleId :

WC-9

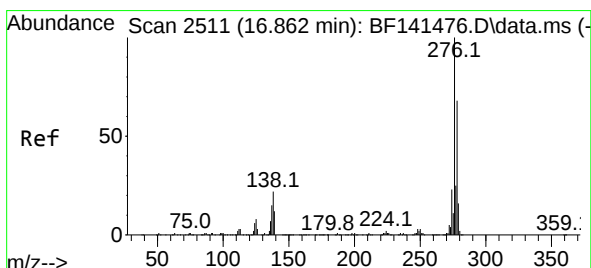
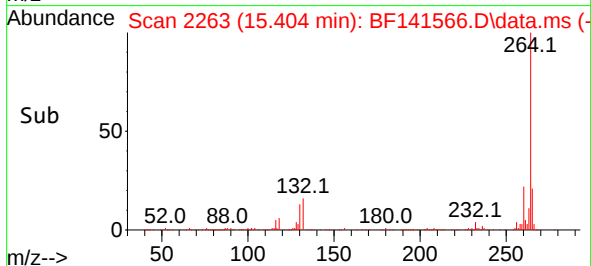
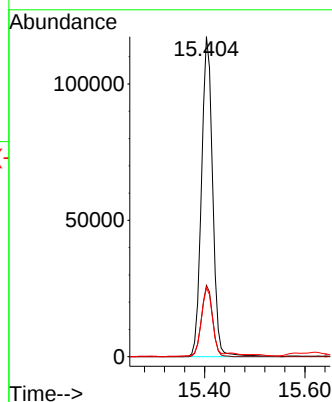
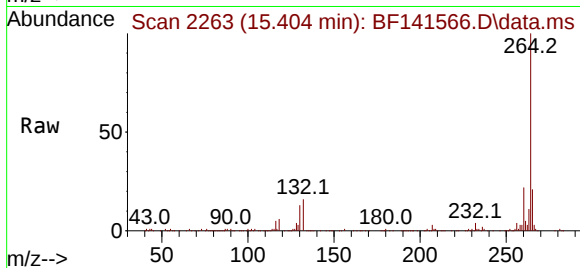
Tgt Ion:264 Resp: 181070

Ion Ratio Lower Upper

264 100

260 22.3 18.6 28.0

265 21.5 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.729 ng

RT: 16.833 min Scan# 2506

Delta R.T. -0.041 min

Lab File: BF141566.D

Acq: 11 Feb 2025 17:08

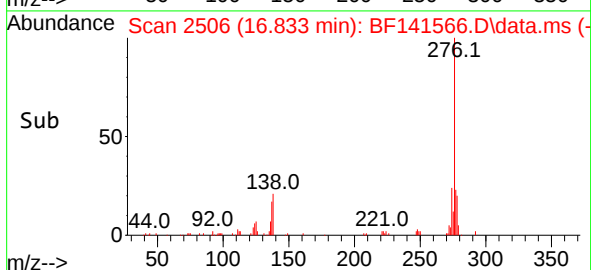
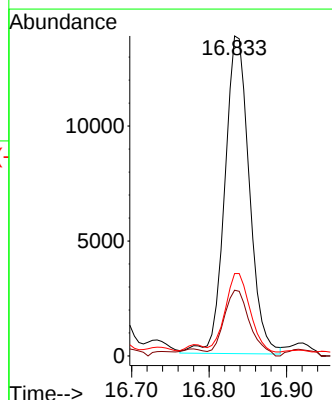
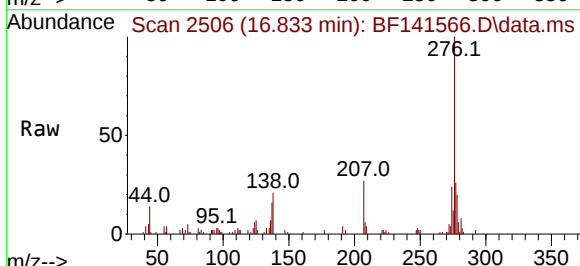
Tgt Ion:276 Resp: 30537

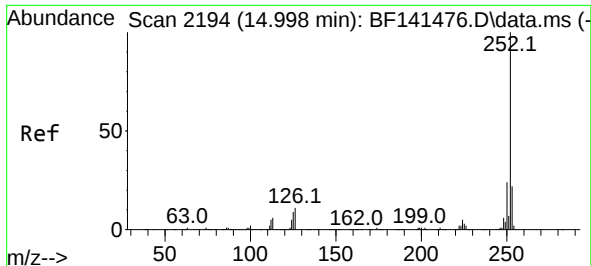
Ion Ratio Lower Upper

276 100

138 21.6 18.0 27.0

277 25.5 20.4 30.6

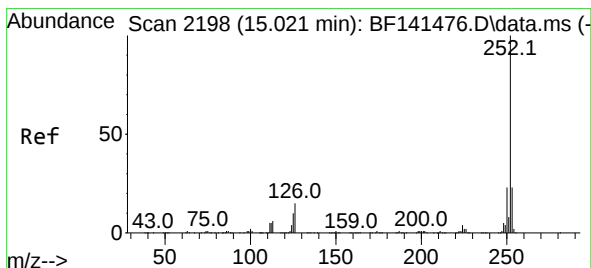
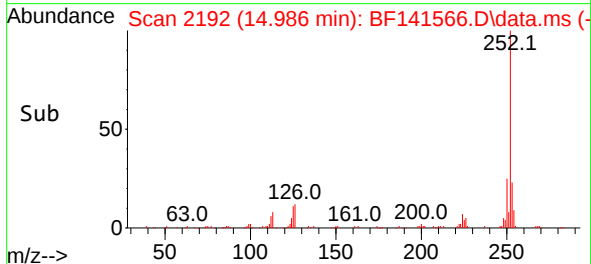
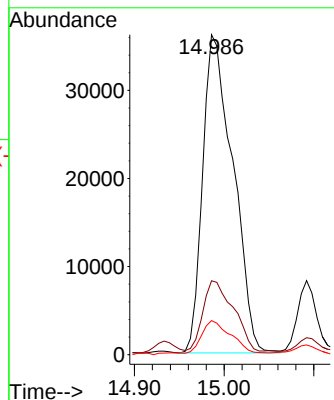
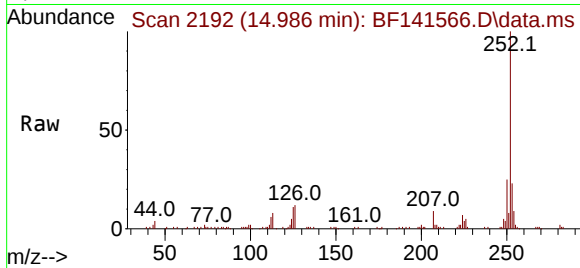




#88
Benzo(b)fluoranthene
Concen: 6.974 ng
RT: 14.986 min Scan# 2192
Delta R.T. -0.018 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

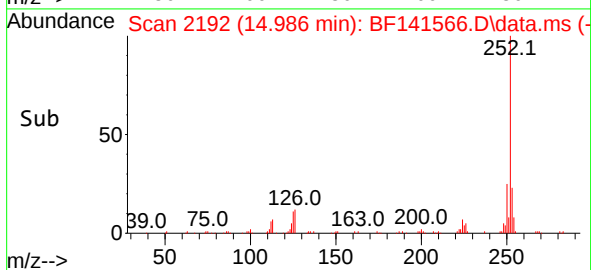
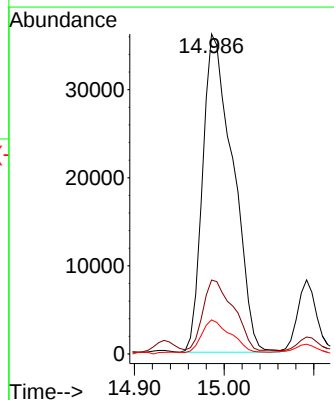
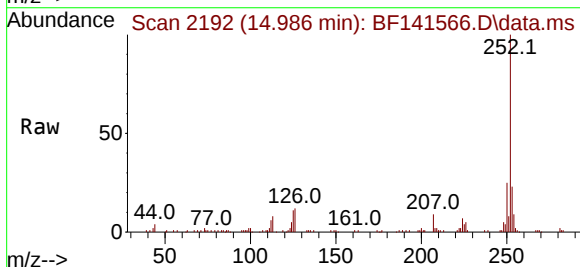
Instrument :
BNA_F
ClientSampleId :
WC-9

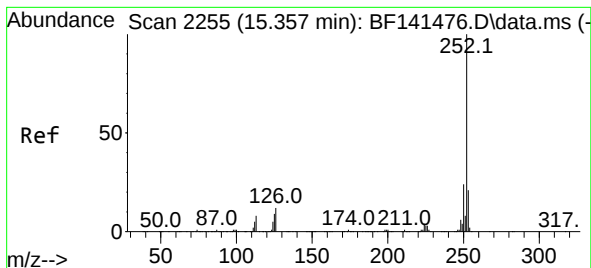
Tgt Ion:252 Resp: 84787
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 10.6 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 8.167 ng
RT: 14.986 min Scan# 2192
Delta R.T. -0.047 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

Tgt Ion:252 Resp: 84787
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 10.6 7.4 11.0





#90

Benzo(a)pyrene

Concen: 4.802 ng

RT: 15.345 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141566.D

Acq: 11 Feb 2025 17:08

Instrument :

BNA_F

ClientSampleId :

WC-9

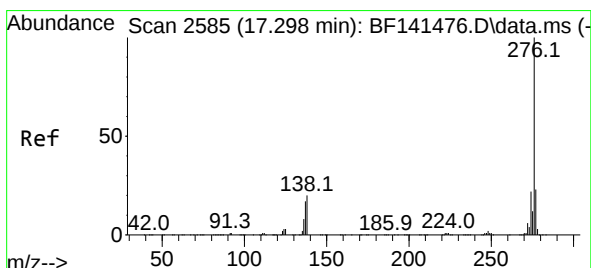
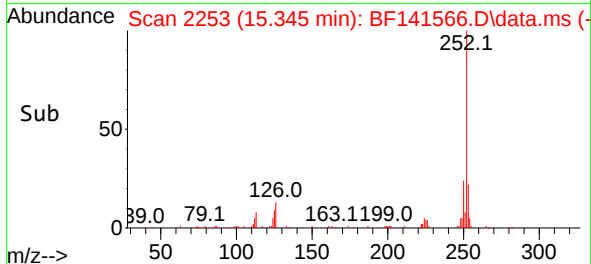
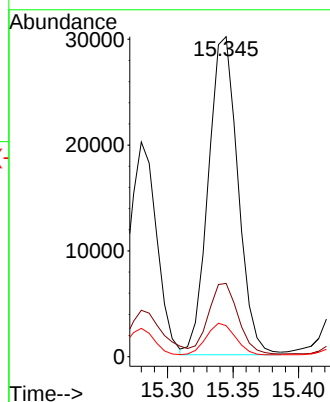
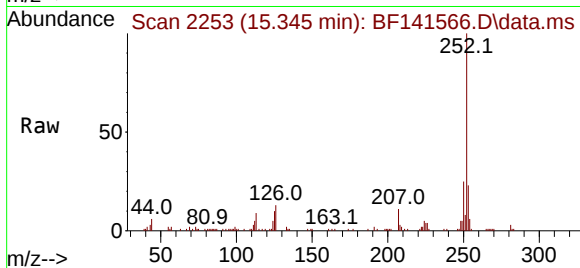
Tgt Ion:252 Resp: 47243

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 9.7 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 2.924 ng

RT: 17.268 min Scan# 2580

Delta R.T. -0.047 min

Lab File: BF141566.D

Acq: 11 Feb 2025 17:08

Tgt Ion:276 Resp: 27744

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 20.3 15.9 23.9

