

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081523\
 Data File : BF134786.D
 Acq On : 15 Aug 2023 16:05
 Operator : CG\JU
 Sample : 03981-01RE 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC081023RE

Quant Time: Aug 16 03:11:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

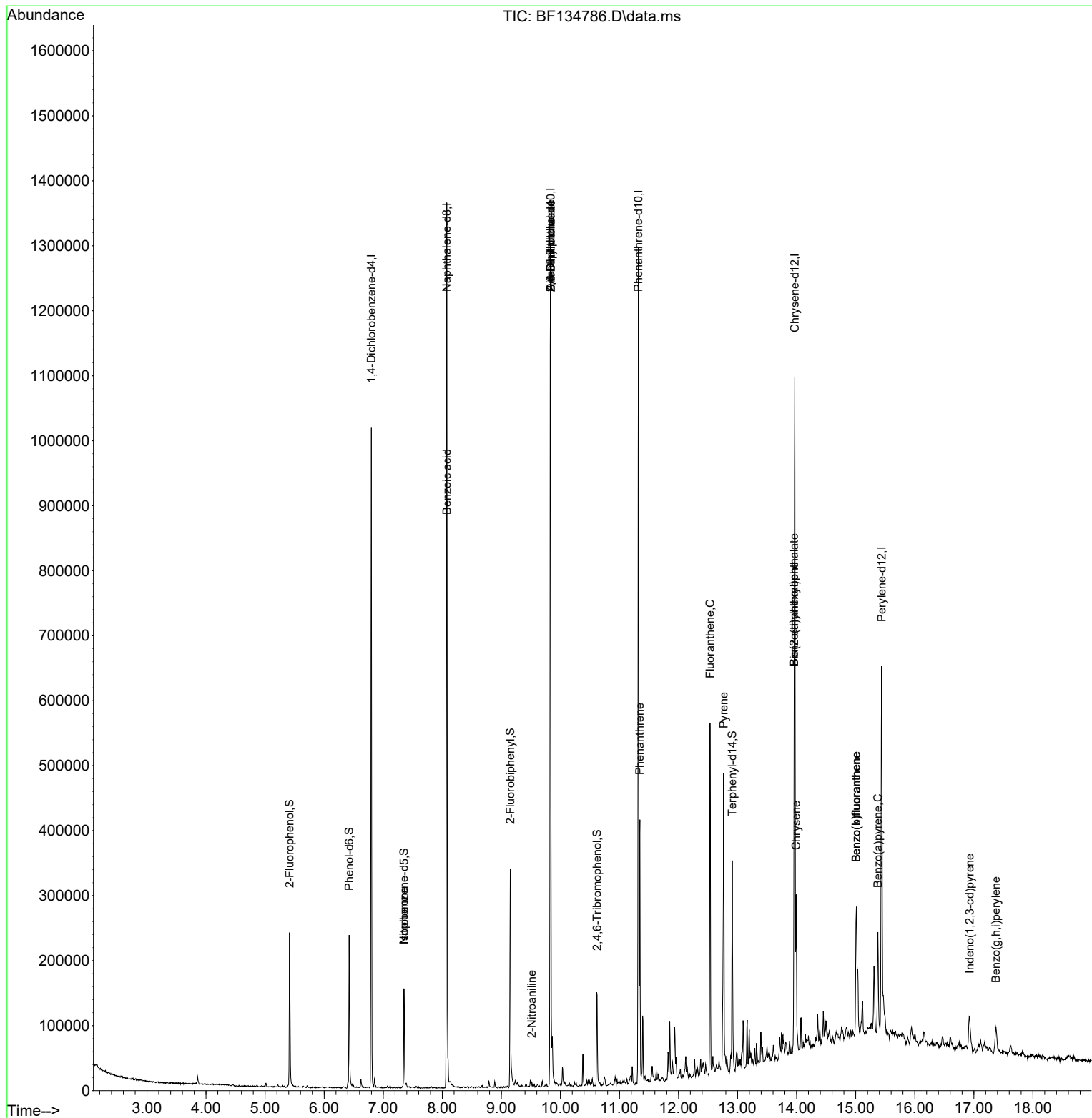
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	140390	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	552668	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	286341	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	449953	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	303984	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	272256	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	64334	6.966	ng	-0.01
7) Phenol-d6	6.422	99	76297	6.463	ng	-0.02
23) Nitrobenzene-d5	7.351	82	47985	5.426	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	18980	6.502	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	114594	6.654	ng	-0.01
79) Terphenyl-d14	12.910	244	101398	5.880	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.346	77	57	Below Cal		Qvalue # 3
25) Isophorone	7.351	82	46132	2.392	ng	# 65
32) Benzoic acid	8.081	122	60	7.876	ng	# 1
48) 2-Nitroaniline	9.516	65	68	3.178	ng	# 8
50) Dimethylphthalate	9.834	163	56818	2.911	ng	# 1
51) 2,6-Dinitrotoluene	9.834	165	36946	11.255	ng	# 17
57) 2,4-Dinitrotoluene	9.834	165	36946	10.046	ng	# 18
71) Phenanthrene	11.345	178	151368	6.333	ng	98
75) Fluoranthene	12.533	202	208699	8.267	ng	97
78) Pyrene	12.763	202	182142	6.924	ng	97
81) Benzo(a)anthracene	13.957	228	103545	4.764	ng	97
83) Chrysene	13.992	228	87518	4.133	ng	98
84) Bis(2-ethylhexyl)phtha...	13.957	149	24748	2.364	ng	100
87) Indeno(1,2,3-cd)pyrene	16.927	276	36771	2.296	ng	# 93
88) Benzo(b)fluoranthene	15.010	252	144980	8.731	ng	# 96
89) Benzo(k)fluoranthene	15.010	252	144980	8.765	ng	# 96
90) Benzo(a)pyrene	15.374	252	73646	4.757	ng	# 95
92) Benzo(g,h,i)perylene	17.374	276	38300	2.902	ng	# 88

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

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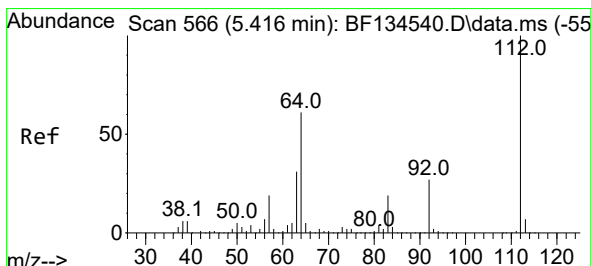
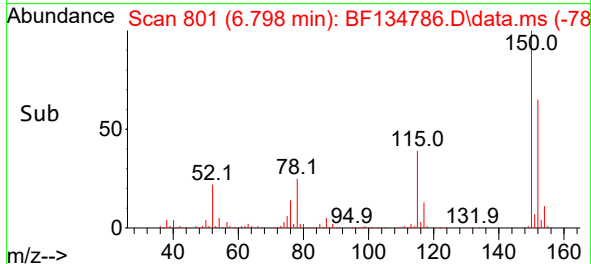
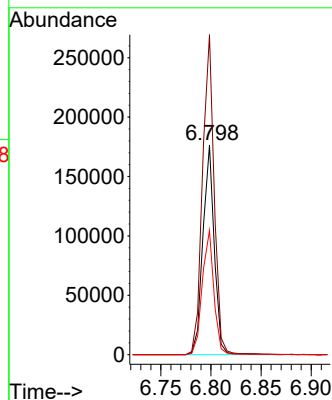
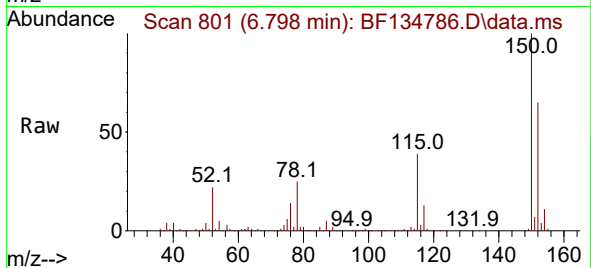




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

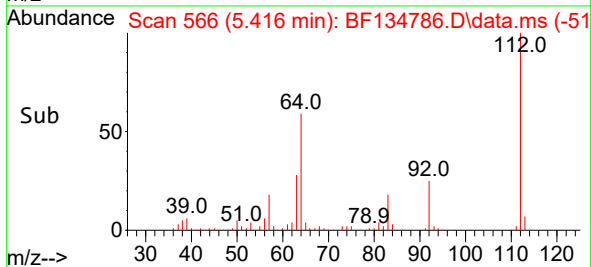
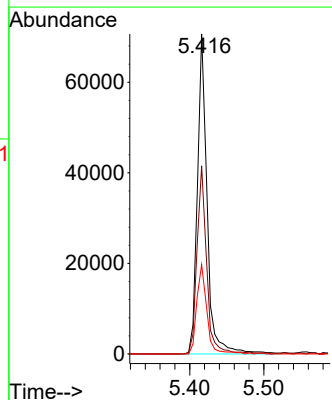
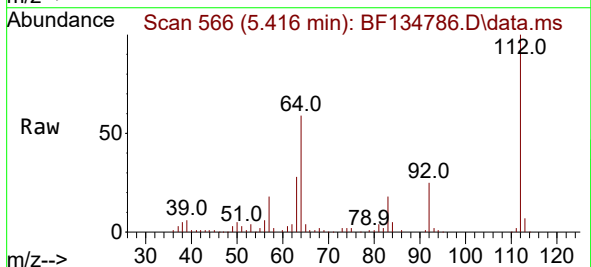
Instrument :
BNA_F
ClientSampleId :
WC081023RE

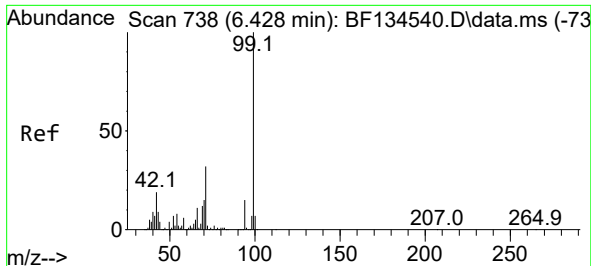
Tgt Ion:152 Resp: 140390
Ion Ratio Lower Upper
152 100
150 152.8 128.3 192.5
115 59.3 52.4 78.6



#5
2-Fluorophenol
Concen: 6.966 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Tgt Ion:112 Resp: 64334
Ion Ratio Lower Upper
112 100
64 58.8 44.9 67.3
63 27.9 25.4 38.0

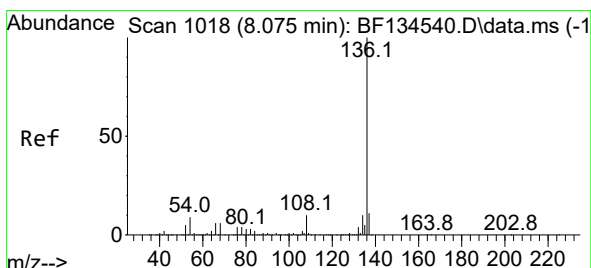
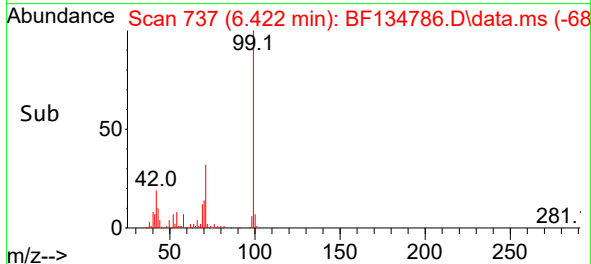
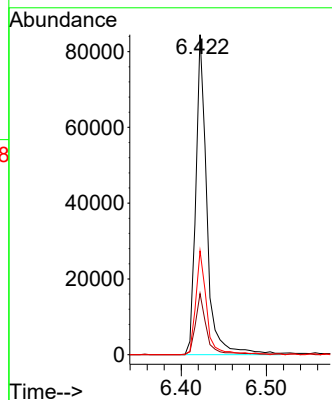
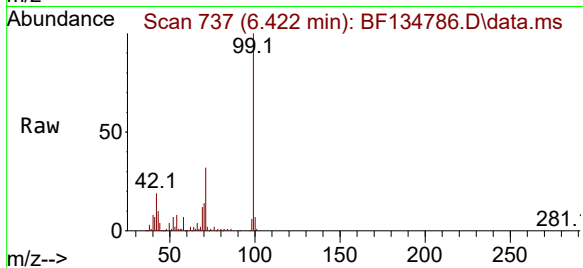




#7
Phenol-d6
Concen: 6.463 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

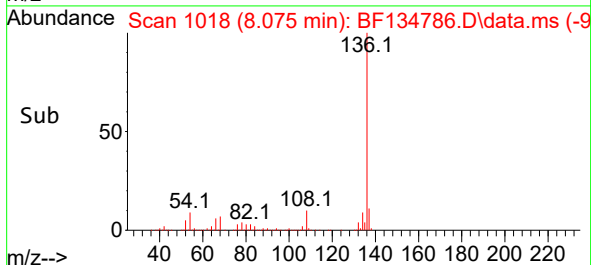
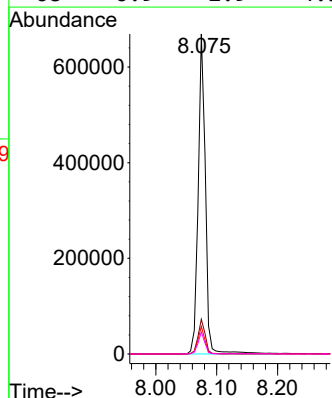
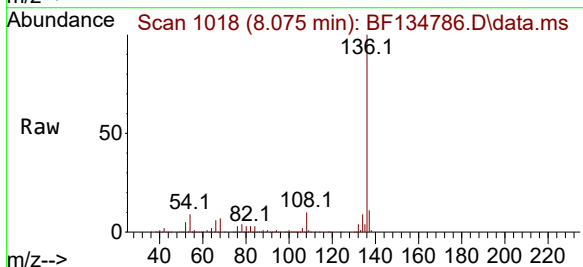
Instrument :
BNA_F
ClientSampleId :
WC081023RE

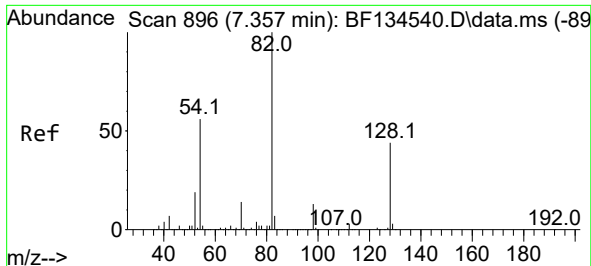
Tgt Ion: 99 Resp: 76297
Ion Ratio Lower Upper
99 100
42 19.1 18.7 28.1
71 32.5 36.4 54.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Tgt Ion: 136 Resp: 552668
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.6 5.2 7.8#
68 6.9 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 5.426 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF134786.D

Acq: 15 Aug 2023 16:05

Instrument :

BNA_F

ClientSampleId :

WC081023RE

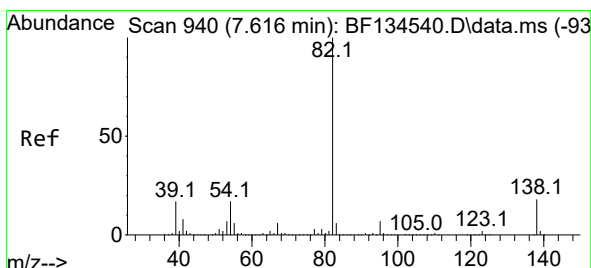
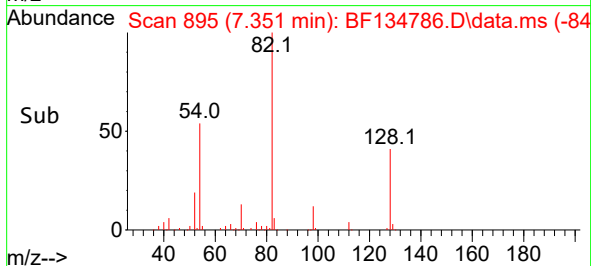
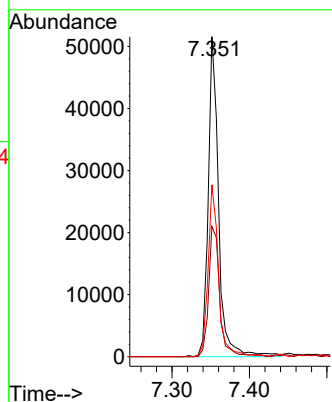
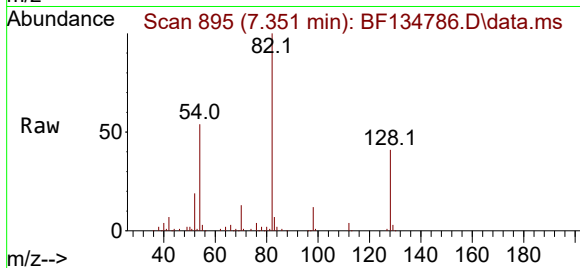
Tgt Ion: 82 Resp: 47985

Ion Ratio Lower Upper

82 100

128 40.7 34.3 51.5

54 53.7 43.8 65.6



#25

Isophorone

Concen: 2.392 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.276 min

Lab File: BF134786.D

Acq: 15 Aug 2023 16:05

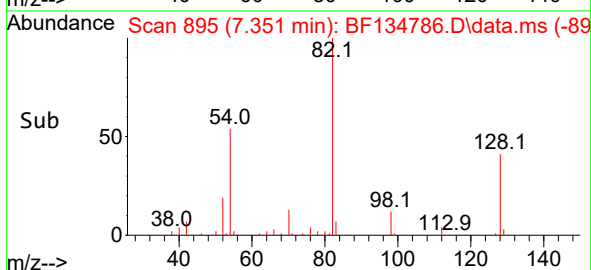
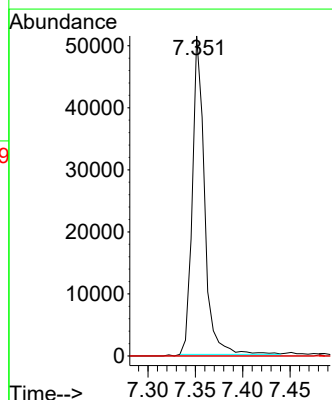
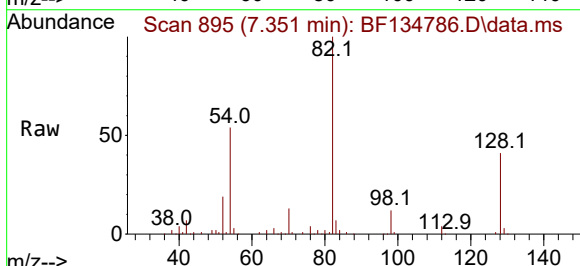
Tgt Ion: 82 Resp: 46132

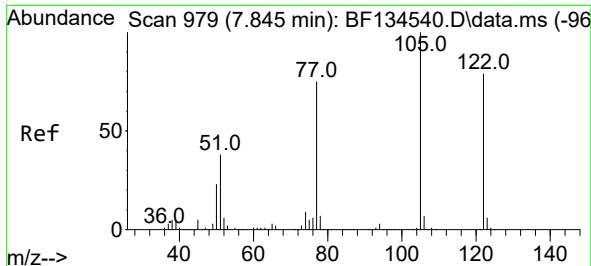
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.6 22.0#

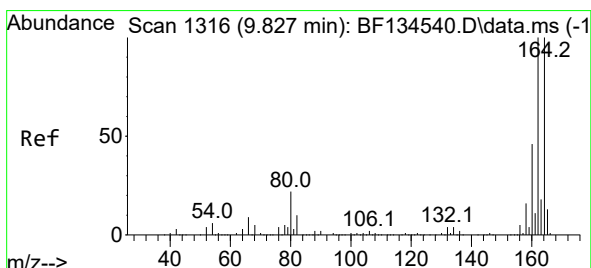
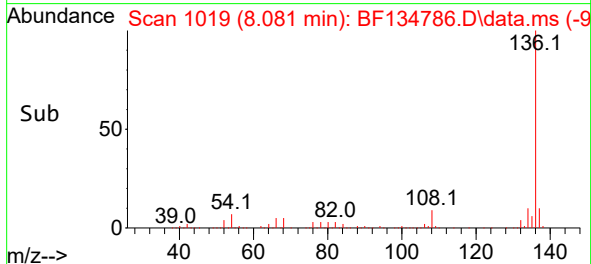
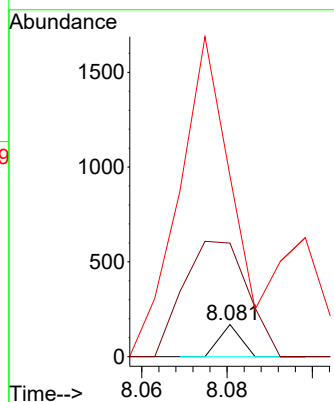
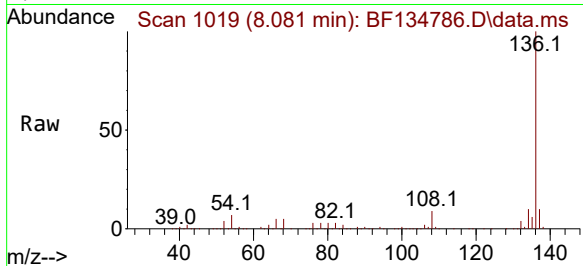




#32
Benzoic acid
Concen: 7.876 ng
RT: 8.081 min Scan# 10
Delta R.T. 0.218 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

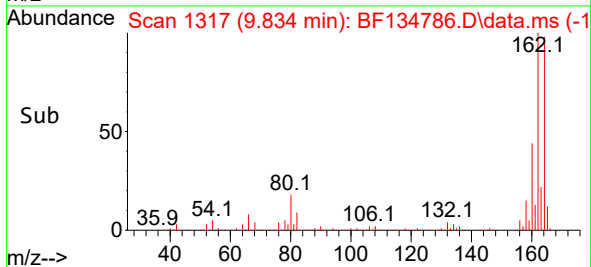
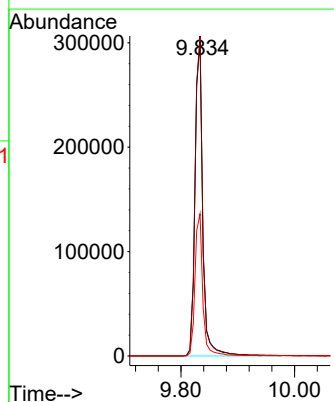
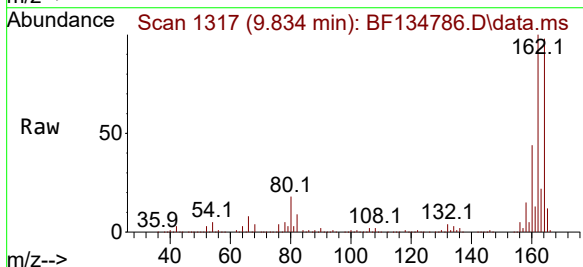
Instrument :
BNA_F
ClientSampleId :
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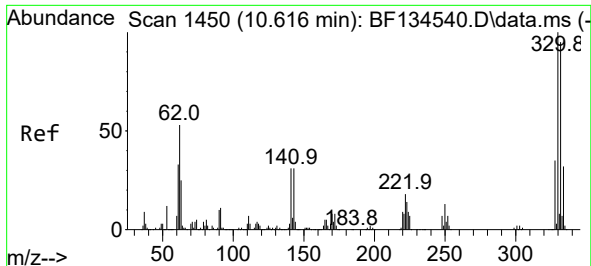
Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 354.4 87.5 127.5#
77 564.5 71.4 111.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Tgt Ion:164 Resp: 286341
Ion Ratio Lower Upper
164 100
162 101.7 82.6 123.8
160 45.2 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 6.502 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134786.D

Acq: 15 Aug 2023 16:05

Instrument :

BNA_F

ClientSampleId :

WC081023RE

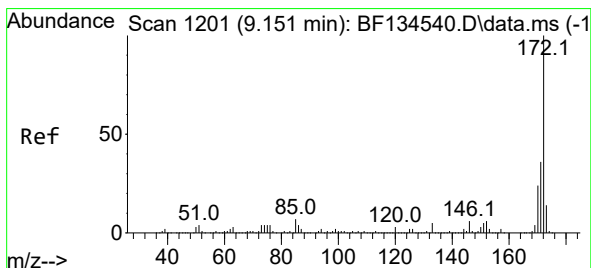
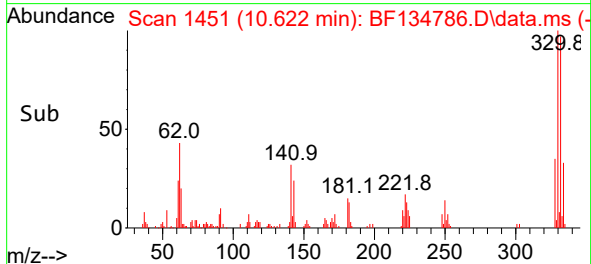
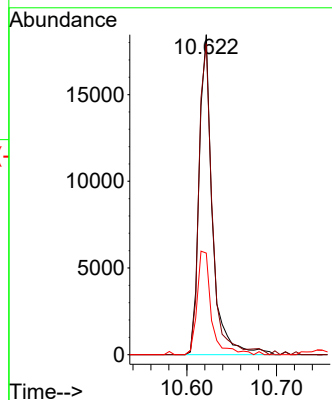
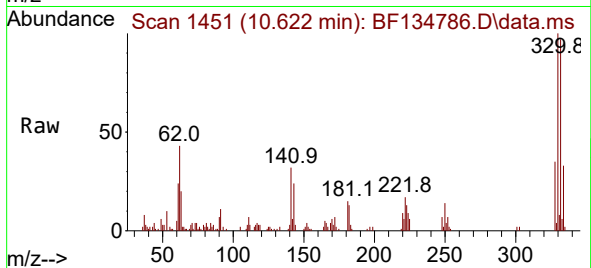
Tgt Ion:330 Resp: 18980

Ion Ratio Lower Upper

330 100

332 98.1 78.8 118.2

141 34.9 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 6.654 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134786.D

Acq: 15 Aug 2023 16:05

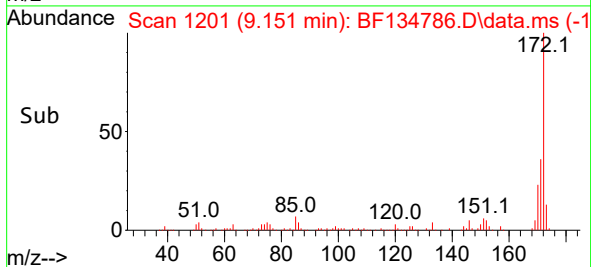
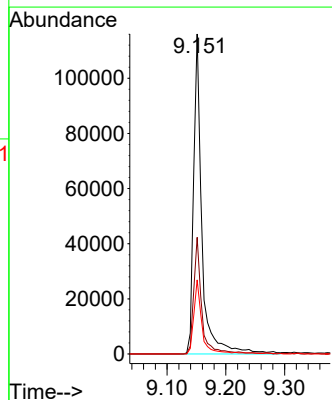
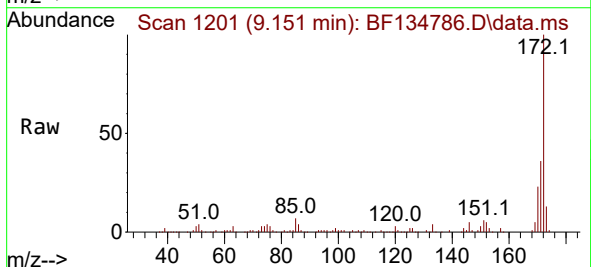
Tgt Ion:172 Resp: 114594

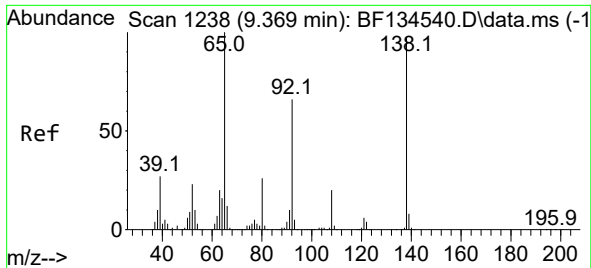
Ion Ratio Lower Upper

172 100

171 36.5 28.8 43.2

170 23.2 18.7 28.1

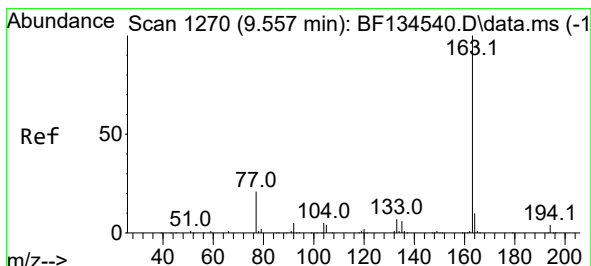
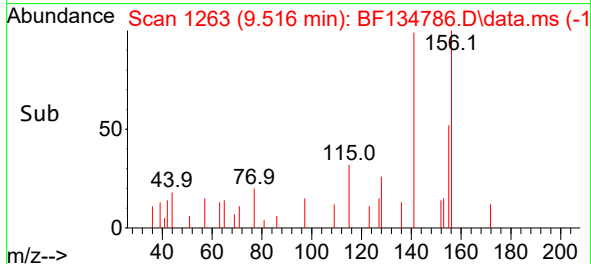
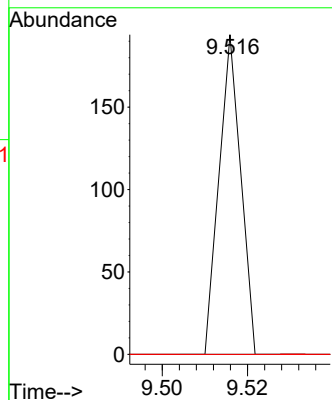
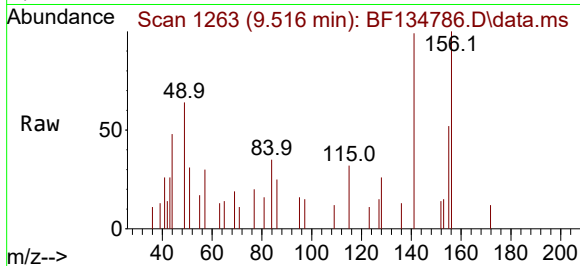




#48
2-Nitroaniline
Concen: 3.178 ng
RT: 9.516 min Scan# 11
Delta R.T. 0.135 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

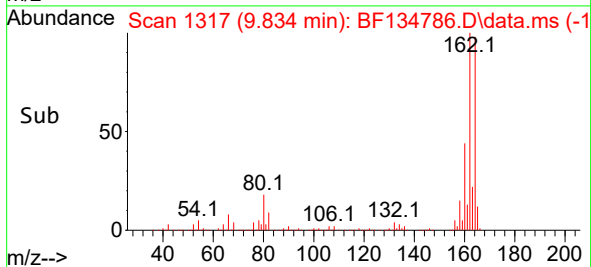
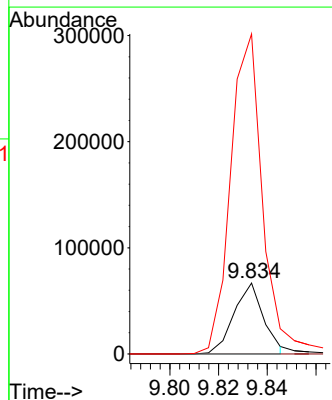
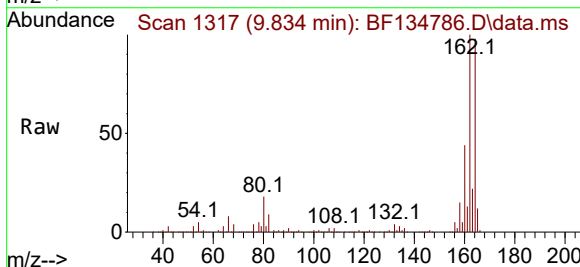
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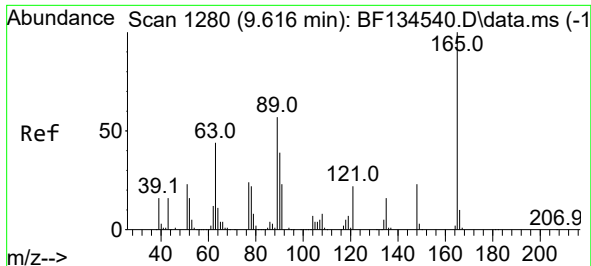
Tgt Ion: 65 Resp: 68
Ion Ratio Lower Upper
65 100
92 0.0 50.7 76.1#
138 0.0 78.2 117.4#



#50
Dimethylphthalate
Concen: 2.911 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Tgt Ion: 163 Resp: 56818
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 451.7 7.5 11.3#

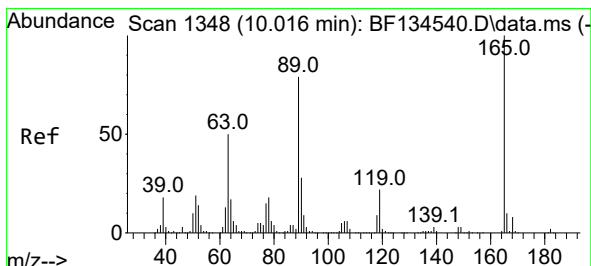
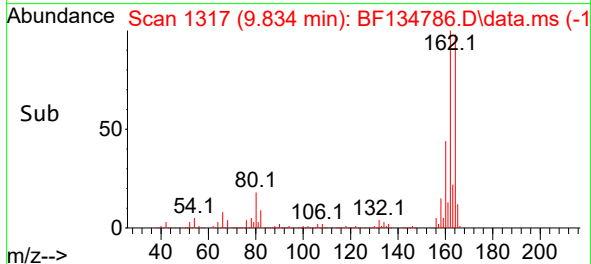
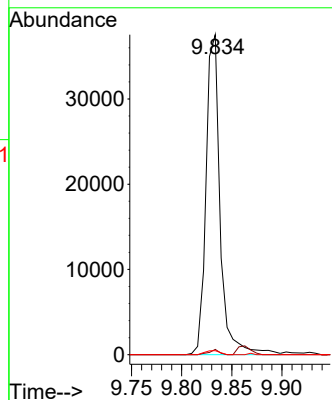
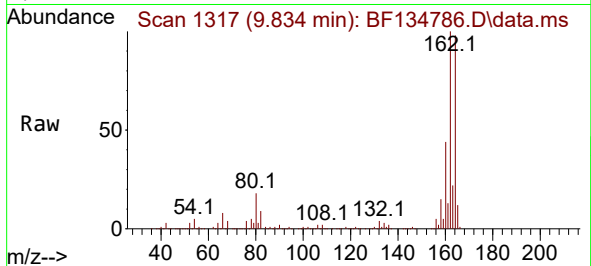




#51
2,6-Dinitrotoluene
Concen: 11.255 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

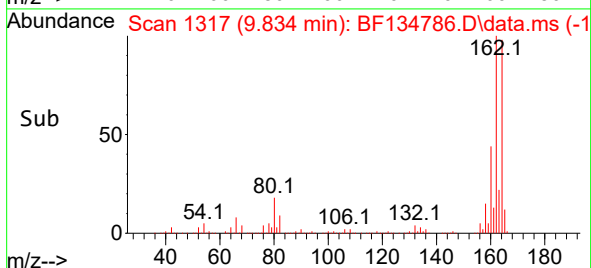
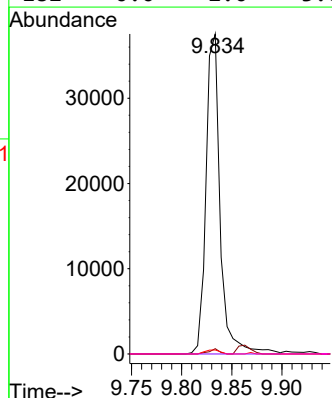
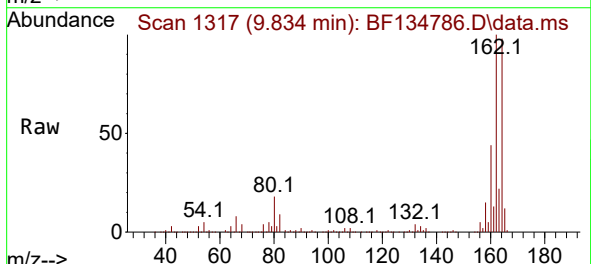
Instrument :
BNA_F
ClientSampleId :
WC081023RE

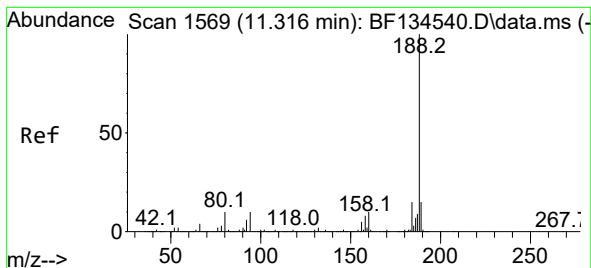
Tgt Ion:165 Resp: 36946
Ion Ratio Lower Upper
165 100
63 1.6 57.8 86.6#
89 1.2 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 10.046 ng
RT: 9.834 min Scan# 1317
Delta R.T. -0.194 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Tgt Ion:165 Resp: 36946
Ion Ratio Lower Upper
165 100
63 1.6 48.9 73.3#
89 1.2 61.7 92.5#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134786.D

Acq: 15 Aug 2023 16:05

Instrument :

BNA_F

ClientSampleId :

WC081023RE

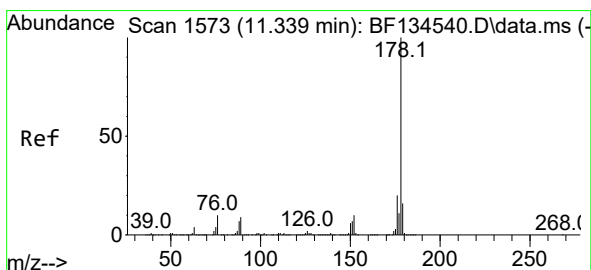
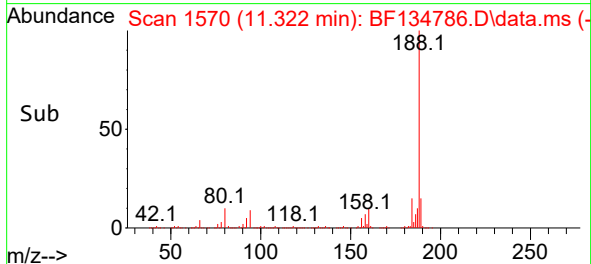
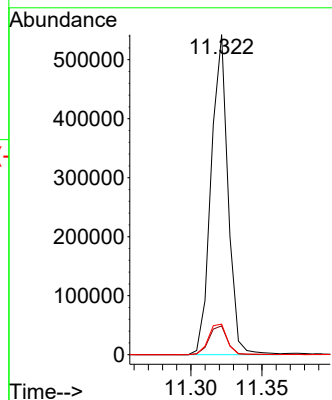
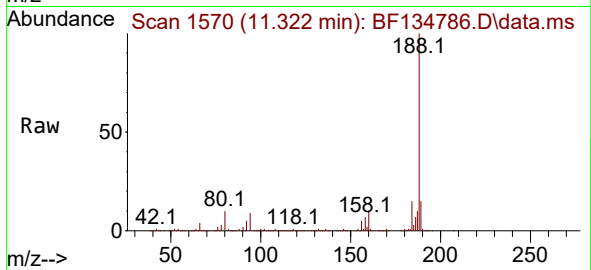
Tgt Ion:188 Resp: 449953

Ion Ratio Lower Upper

188 100

94 9.0 5.1 7.7#

80 9.6 6.6 9.8



#71

Phenanthrene

Concen: 6.333 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF134786.D

Acq: 15 Aug 2023 16:05

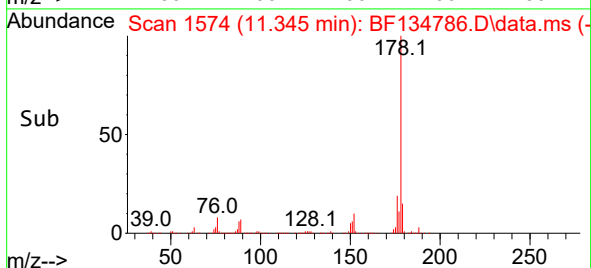
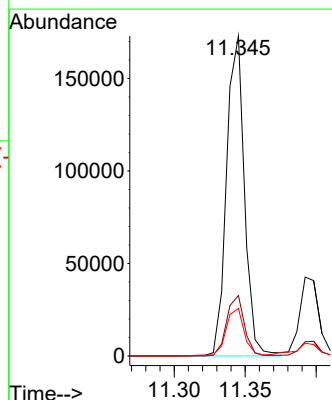
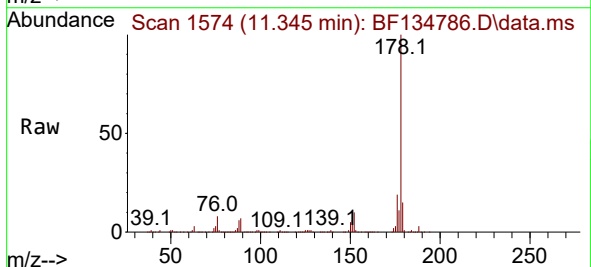
Tgt Ion:178 Resp: 151368

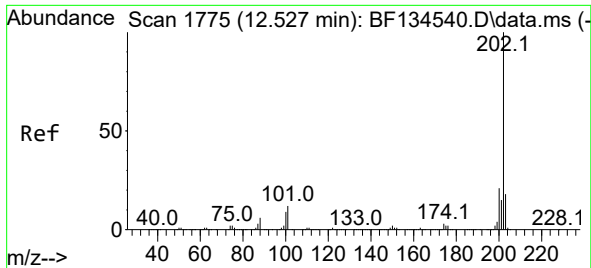
Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.6

179 14.9 12.7 19.1

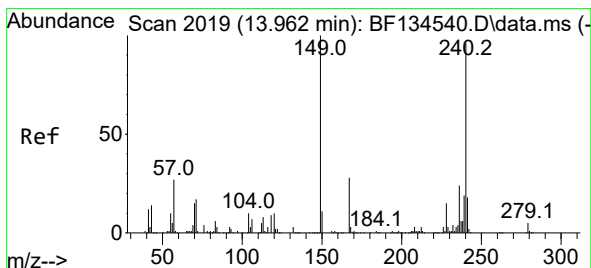
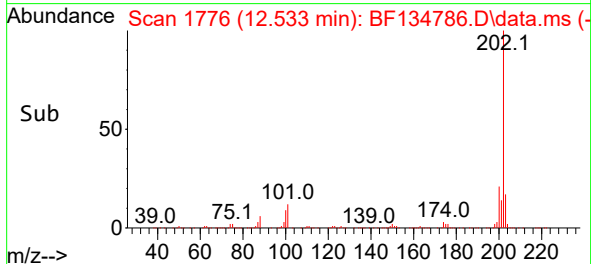
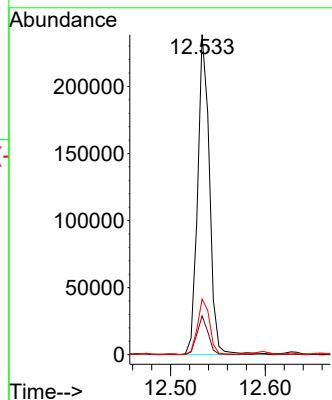
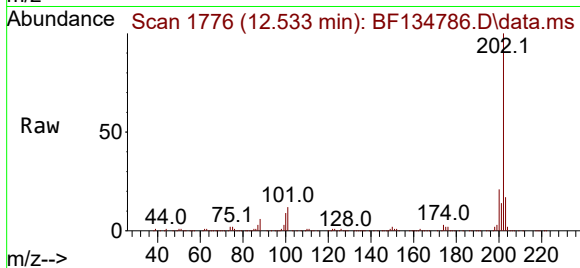




#75
Fluoranthene
Concen: 8.267 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

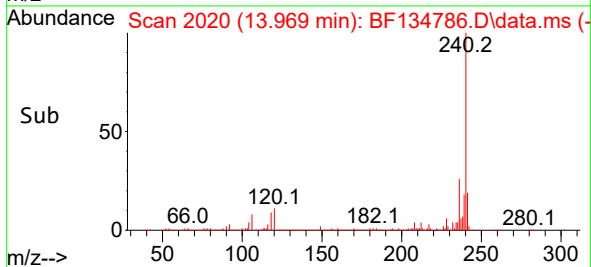
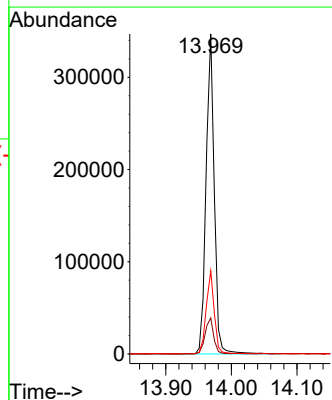
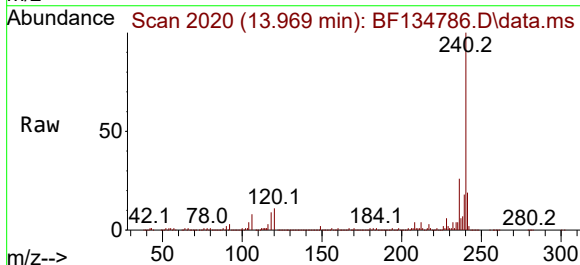
Instrument :
BNA_F
ClientSampleId :
WC081023RE

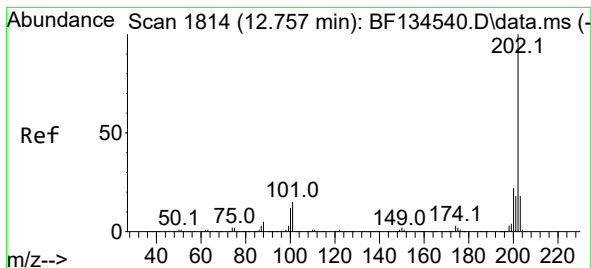
Tgt Ion:202 Resp: 208699
Ion Ratio Lower Upper
202 100
101 12.2 0.0 28.5
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Tgt Ion:240 Resp: 303984
Ion Ratio Lower Upper
240 100
120 11.2 6.6 10.0#
236 26.0 20.2 30.2





#78

Pyrene

Concen: 6.924 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134786.D

Acq: 15 Aug 2023 16:05

Instrument :

BNA_F

ClientSampleId :

WC081023RE

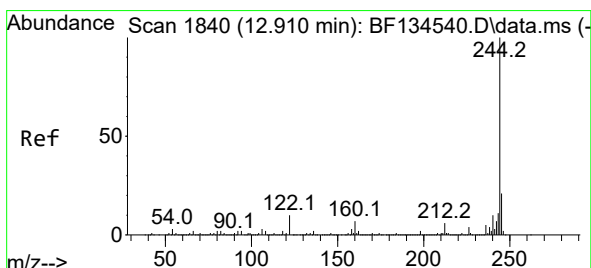
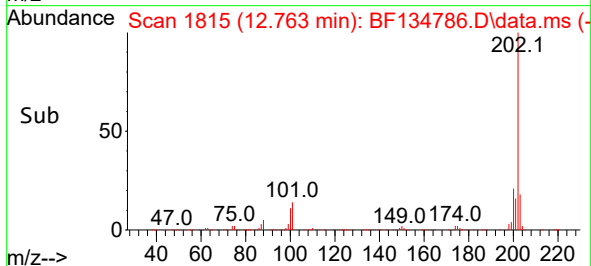
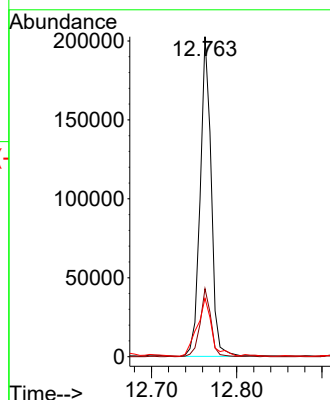
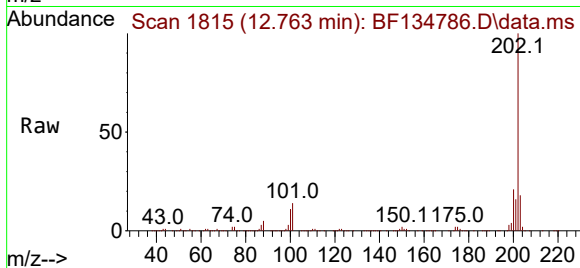
Tgt Ion:202 Resp: 182142

Ion Ratio Lower Upper

202 100

200 21.2 15.8 23.8

203 18.3 13.5 20.3



#79

Terphenyl-d14

Concen: 5.880 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF134786.D

Acq: 15 Aug 2023 16:05

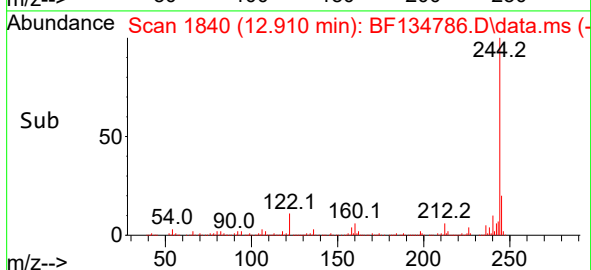
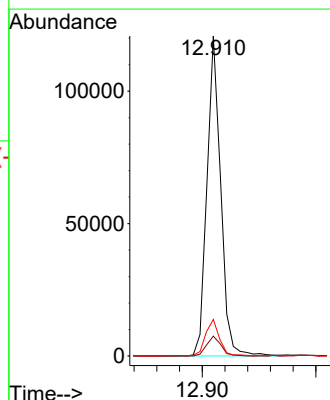
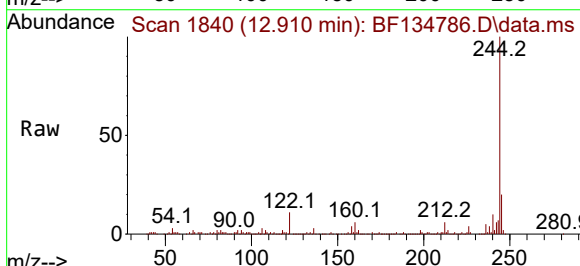
Tgt Ion:244 Resp: 101398

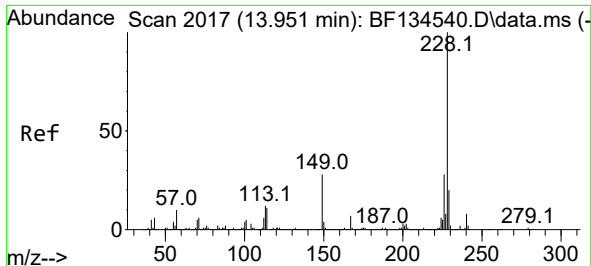
Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

122 11.4 8.0 12.0

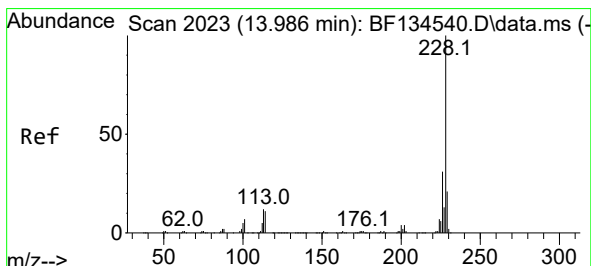
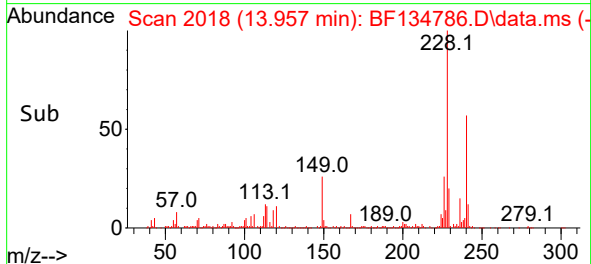
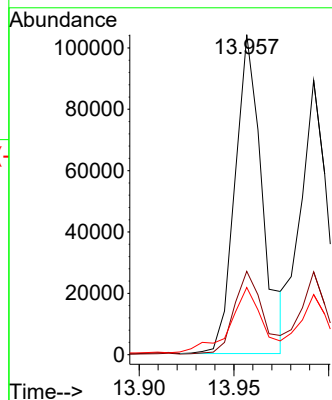
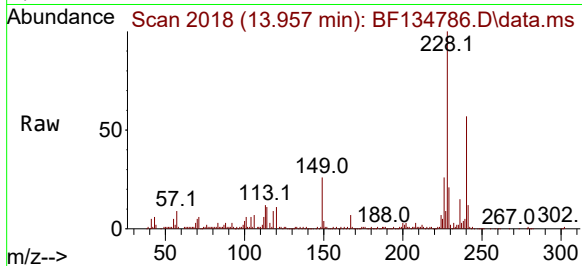




#81
Benzo(a)anthracene
Concen: 4.764 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

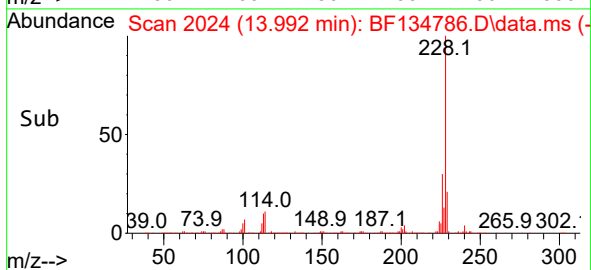
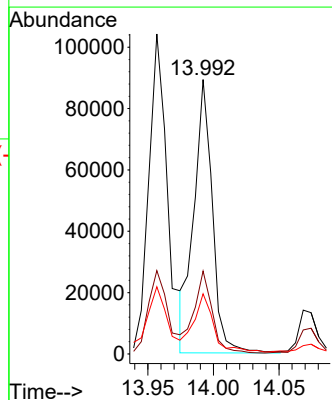
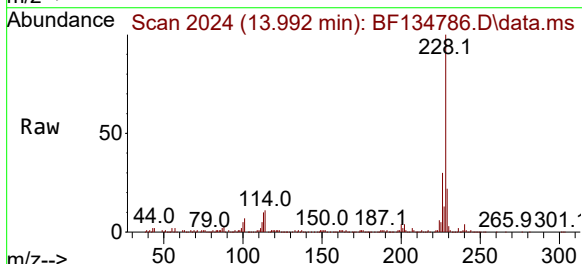
Instrument :
BNA_F
ClientSampleId :
WC081023RE

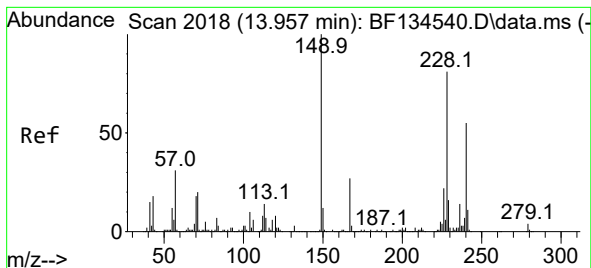
Tgt Ion:228 Resp: 103545
Ion Ratio Lower Upper
228 100
226 26.0 22.3 33.5
229 21.0 15.8 23.6



#83
Chrysene
Concen: 4.133 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Tgt Ion:228 Resp: 87518
Ion Ratio Lower Upper
228 100
226 30.2 24.5 36.7
229 21.9 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.364 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF134786.D

Acq: 15 Aug 2023 16:05

Instrument :

BNA_F

ClientSampleId :

WC081023RE

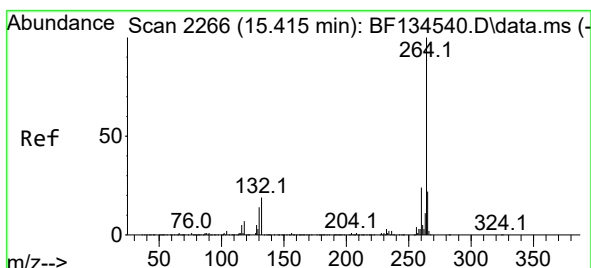
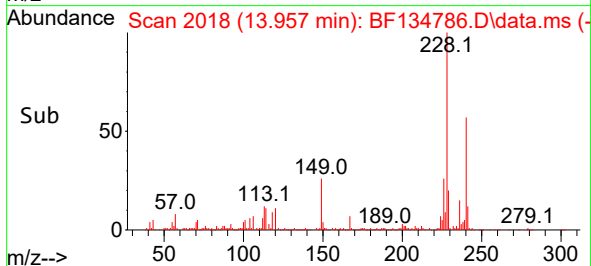
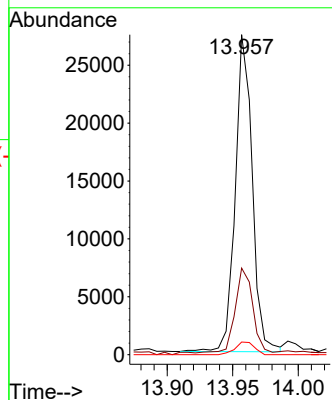
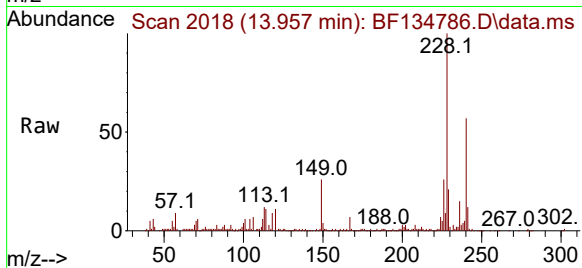
Tgt Ion:149 Resp: 24748

Ion Ratio Lower Upper

149 100

167 27.1 21.6 32.4

279 3.9 3.5 5.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF134786.D

Acq: 15 Aug 2023 16:05

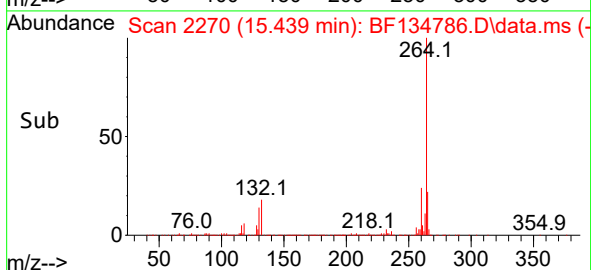
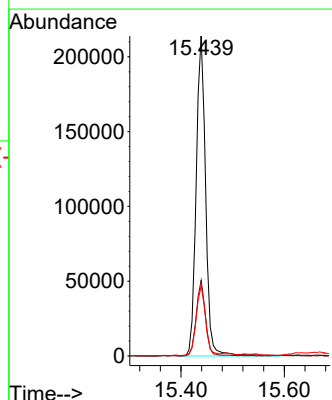
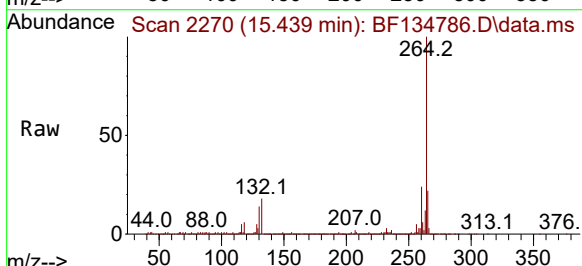
Tgt Ion:264 Resp: 272256

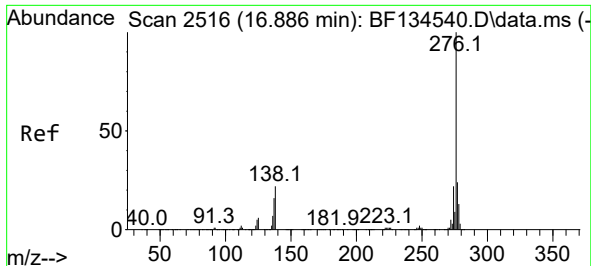
Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 21.9 15.8 23.8

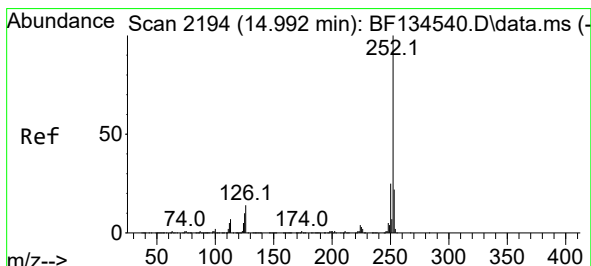
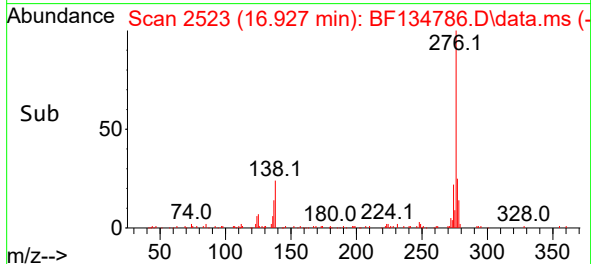
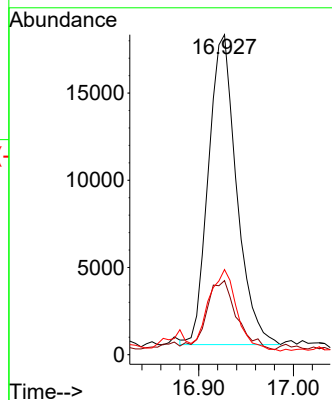
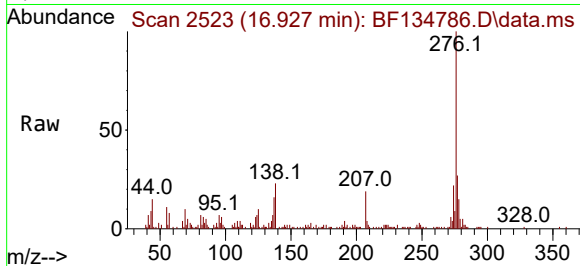




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.296 ng
 RT: 16.927 min Scan# 2197
 Delta R.T. 0.000 min
 Lab File: BF134786.D
 Acq: 15 Aug 2023 16:05

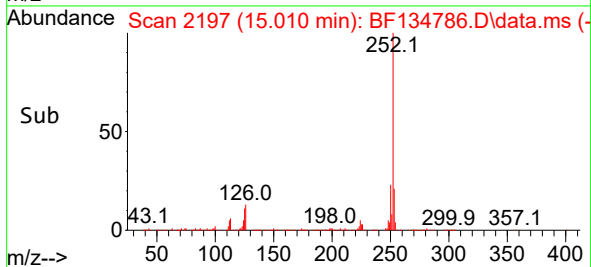
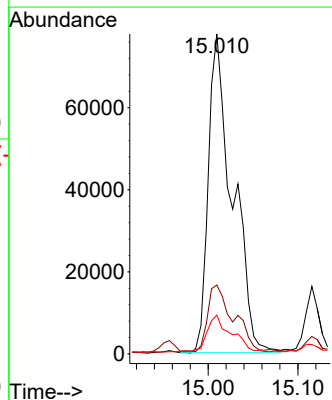
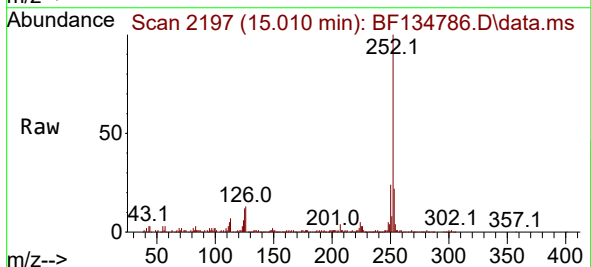
Instrument :
 BNA_F
 ClientSampleId :
 WC081023RE

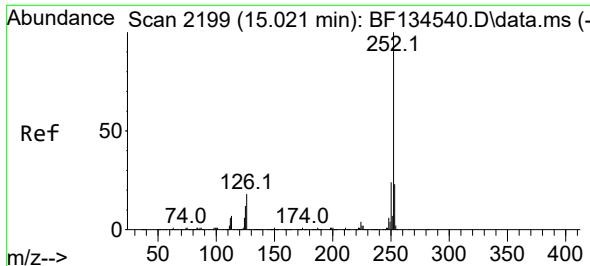
Tgt Ion:276 Resp: 36771
 Ion Ratio Lower Upper
 276 100
 138 23.4 14.2 21.4#
 277 26.6 19.9 29.9



#88
 Benzo(b)fluoranthene
 Concen: 8.731 ng
 RT: 15.010 min Scan# 2197
 Delta R.T. 0.000 min
 Lab File: BF134786.D
 Acq: 15 Aug 2023 16:05

Tgt Ion:252 Resp: 144980
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.3 25.9
 125 12.1 6.0 9.0#

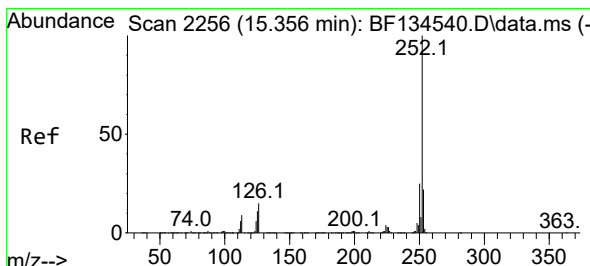
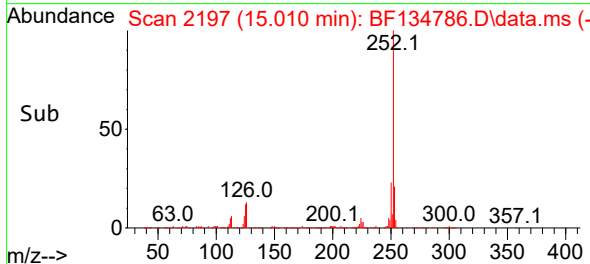
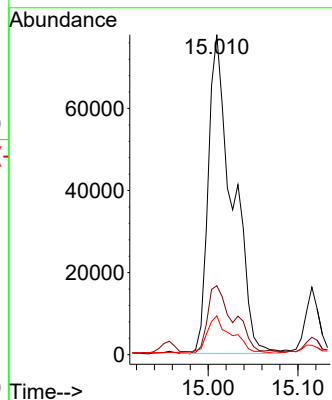
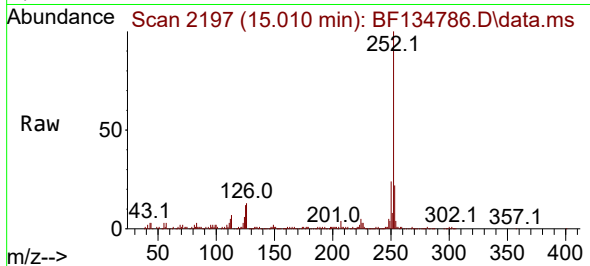




#89
Benzo(k)fluoranthene
Concen: 8.765 ng
RT: 15.010 min Scan# 2199
Delta R.T. -0.029 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

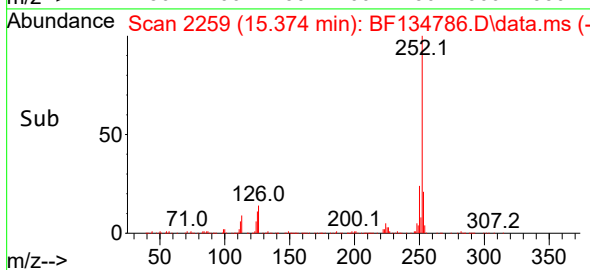
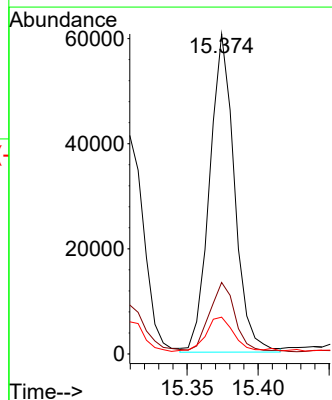
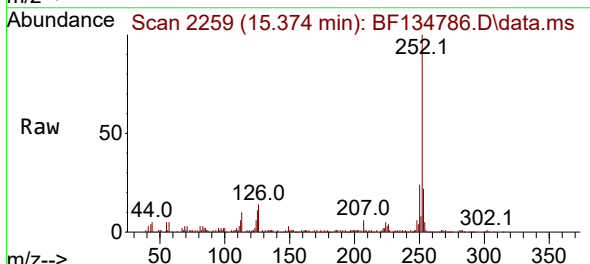
Instrument :
BNA_F
ClientSampleId :
WC081023RE

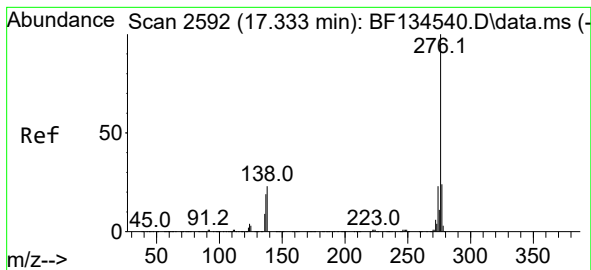
Tgt Ion:252 Resp: 144980
Ion Ratio Lower Upper
252 100
253 21.6 17.9 26.9
125 12.1 6.3 9.5#



#90
Benzo(a)pyrene
Concen: 4.757 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Tgt Ion:252 Resp: 73646
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.4
125 11.5 6.2 9.4#





#92

Benzo(g,h,i)perylene

Concen: 2.902 ng

RT: 17.374 min Scan# 2

Delta R.T. 0.000 min

Lab File: BF134786.D

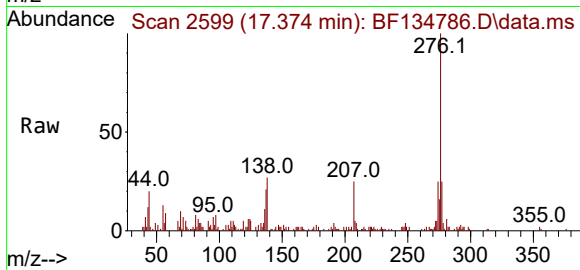
Acq: 15 Aug 2023 16:05

Instrument :

BNA_F

ClientSampleId :

WC081023RE



Tgt Ion:276 Resp: 38300

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.6

138 27.4 12.2 18.2#

