

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134943.D
 Acq On : 25 Aug 2023 16:24
 Operator : CG\JU
 Sample : 04110-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-23(0-1)

Quant Time: Aug 25 19:57:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

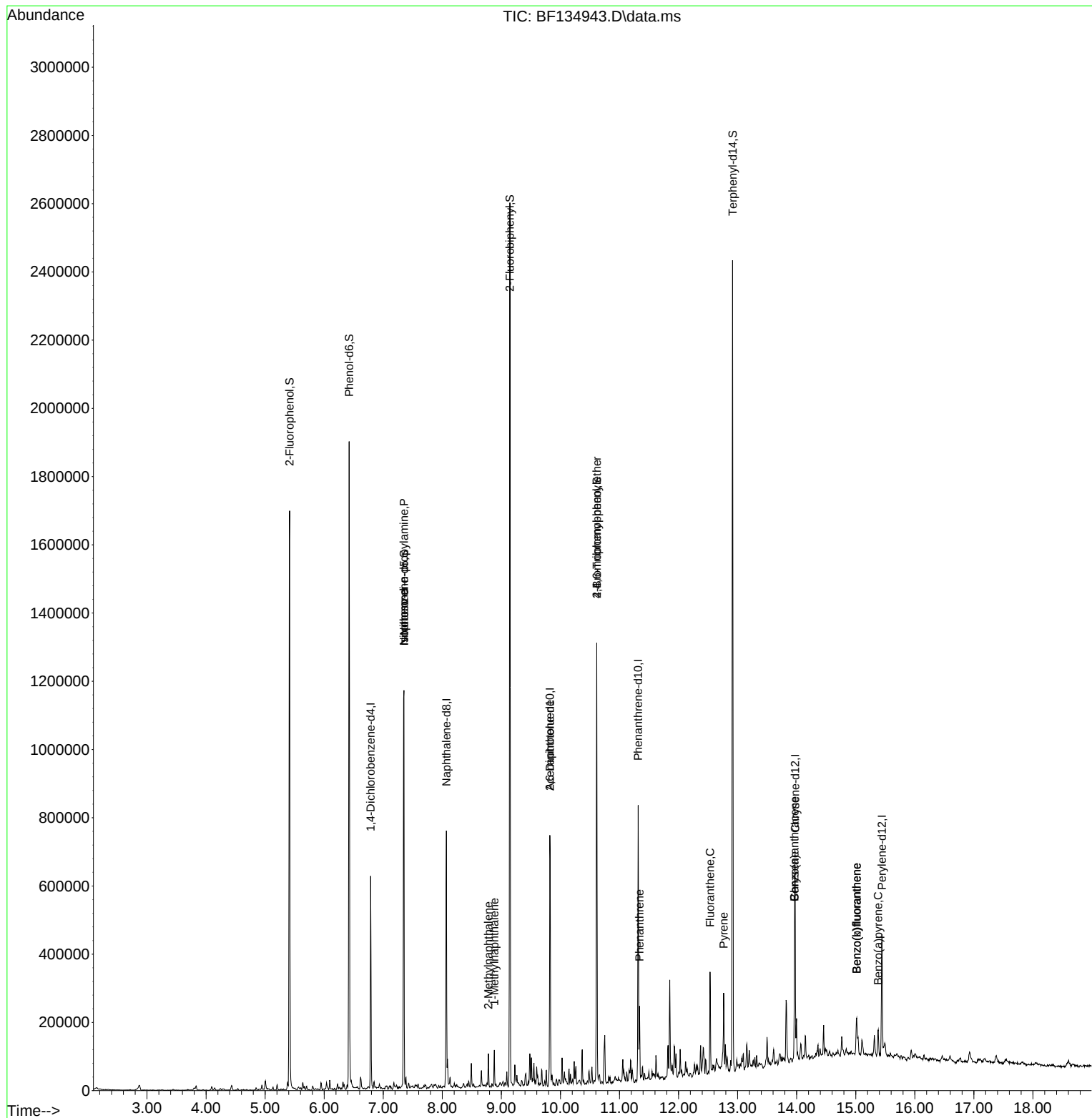
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	80889	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	308056	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	146660	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	267782	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	179648	20.000	ng	0.00
86) Perylene-d12	15.445	264	163033	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	478891	94.409	ng	0.00
7) Phenol-d6	6.422	99	601005	92.723	ng	-0.02
23) Nitrobenzene-d5	7.351	82	365638	65.404	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	138064	79.931	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	701176	73.909	ng	-0.01
79) Terphenyl-d14	12.915	244	795515	60.905	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	48593	12.836	ng	# 75
20) 3+4-Methylphenols	7.204	107	357	Below Cal		# 60
25) Isophorone	7.351	82	362688	34.743	ng	# 64
37) 2-Methylnaphthalene	8.780	142	23133	2.255	ng	99
38) 1-Methylnaphthalene	8.880	142	24264	2.530	ng	98
51) 2,6-Dinitrotoluene	9.822	165	19478	8.460	ng	# 30
67) 4-Bromophenyl-phenylether	10.616	248	8959	2.900	ng	# 1
71) Phenanthrene	11.339	178	74738	5.326	ng	99
75) Fluoranthene	12.533	202	106052	7.976	ng	97
78) Pyrene	12.763	202	91199	4.788	ng	99
81) Benzo(a)anthracene	13.962	228	49892	4.070	ng	# 90
83) Chrysene	13.962	228	49892	4.126	ng	94
88) Benzo(b)fluoranthene	15.015	252	76482	8.315	ng	98
89) Benzo(k)fluoranthene	15.015	252	76482	8.467	ng	# 96
90) Benzo(a)pyrene	15.380	252	36515	3.977	ng	99

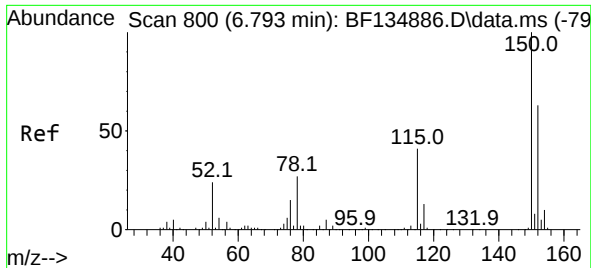
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134943.D
Acq On : 25 Aug 2023 16:24
Operator : CG\JU
Sample : 04110-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-TP-23(0-1)

Quant Time: Aug 25 19:57:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 22 19:33:25 2023
Response via : Initial Calibration

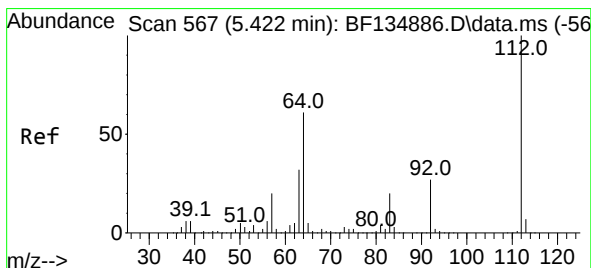
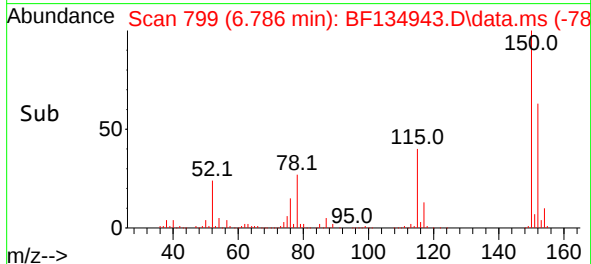
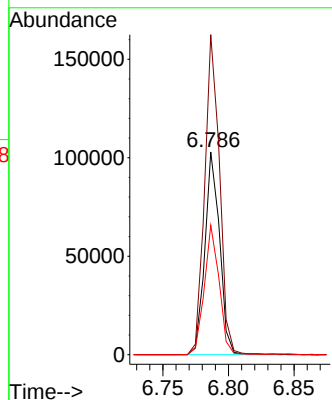
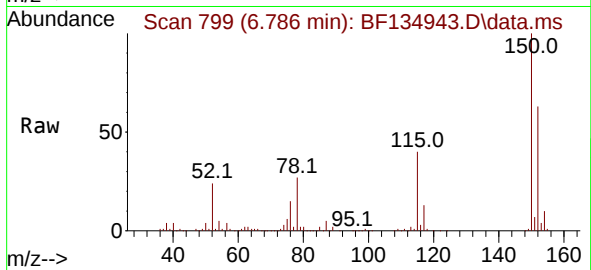




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.786 min Scan# 79
 Delta R.T. -0.007 min
 Lab File: BF134943.D
 Acq: 25 Aug 2023 16:24

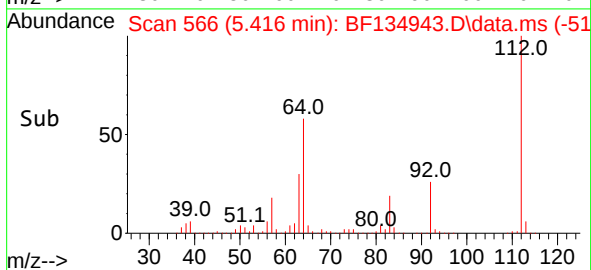
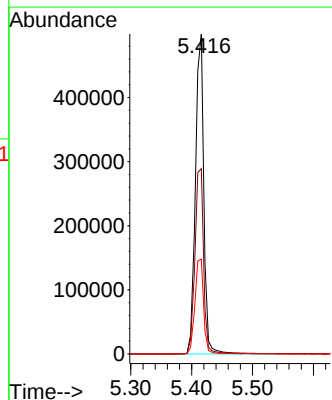
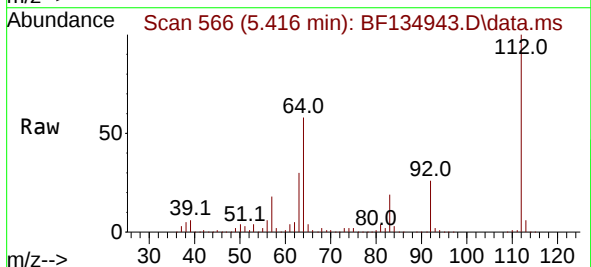
Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-23(0-1)

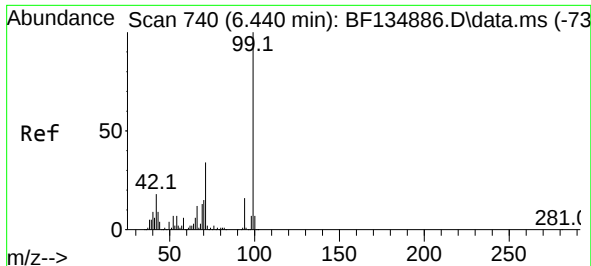
Tgt Ion:152 Resp: 80889
 Ion Ratio Lower Upper
 152 100
 150 157.9 126.1 189.1
 115 63.9 51.1 76.7



#5
 2-Fluorophenol
 Concen: 94.409 ng
 RT: 5.416 min Scan# 566
 Delta R.T. -0.006 min
 Lab File: BF134943.D
 Acq: 25 Aug 2023 16:24

Tgt Ion:112 Resp: 478891
 Ion Ratio Lower Upper
 112 100
 64 57.9 48.6 73.0
 63 29.6 25.7 38.5

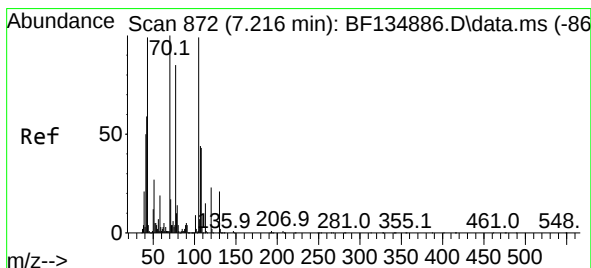
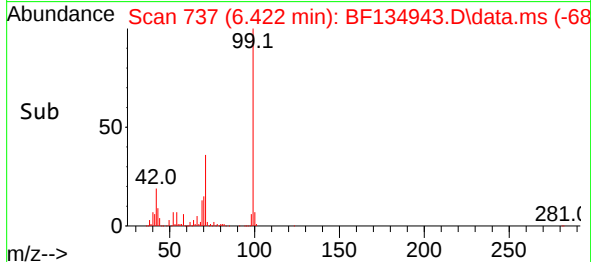
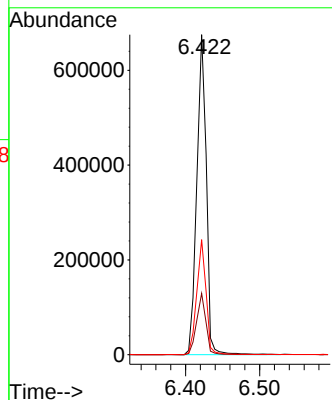
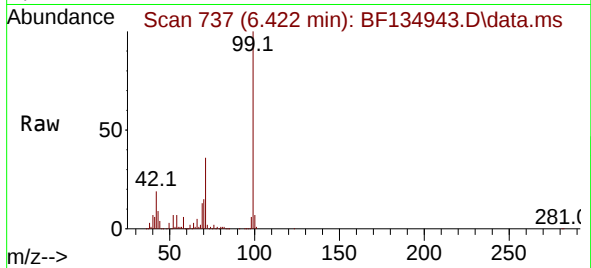




#7
Phenol-d6
Concen: 92.723 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

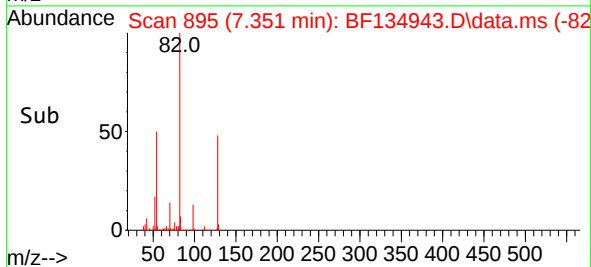
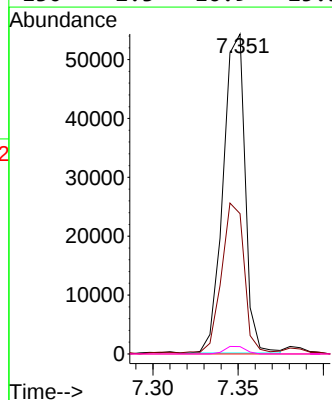
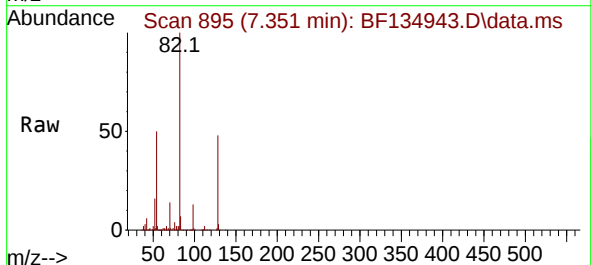
Instrument :
BNA_F
ClientSampleId :
SS-TP-23(0-1)

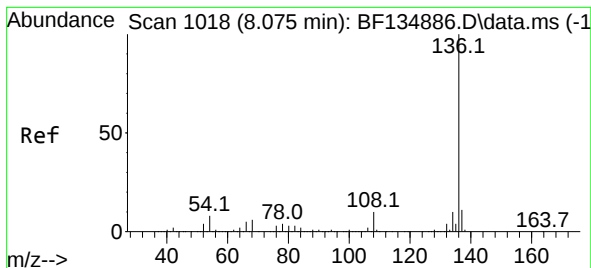
Tgt Ion: 99 Resp: 601005
Ion Ratio Lower Upper
99 100
42 19.1 14.6 22.0
71 36.0 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.836 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Tgt Ion: 70 Resp: 48593
Ion Ratio Lower Upper
70 100
42 43.8 46.9 70.3#
101 0.0 7.5 11.3#
130 2.3 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: BF134943.D

Acq: 25 Aug 2023 16:24

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

Tgt Ion:136 Resp: 308056

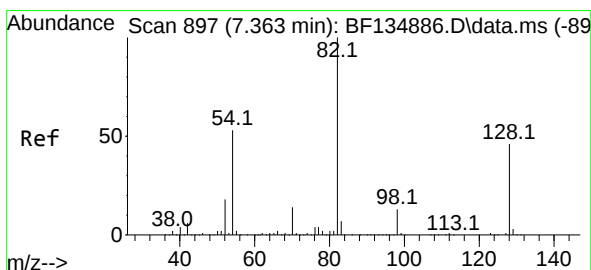
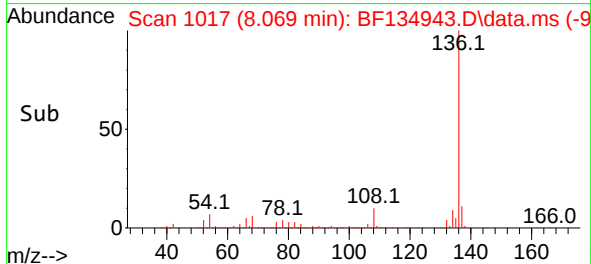
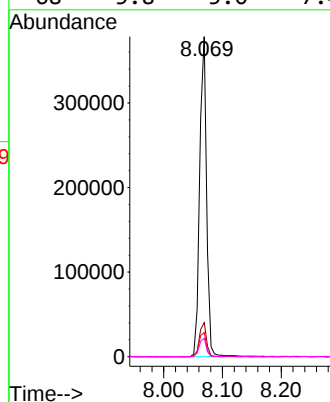
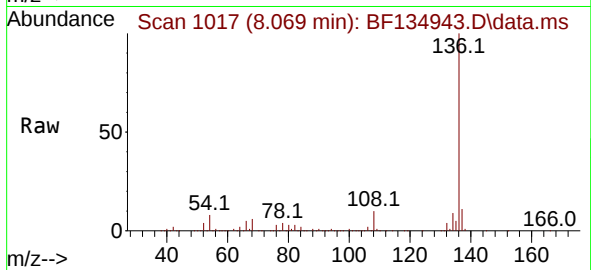
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.6 6.6 9.8

68 5.8 5.0 7.4



#23

Nitrobenzene-d5

Concen: 65.404 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF134943.D

Acq: 25 Aug 2023 16:24

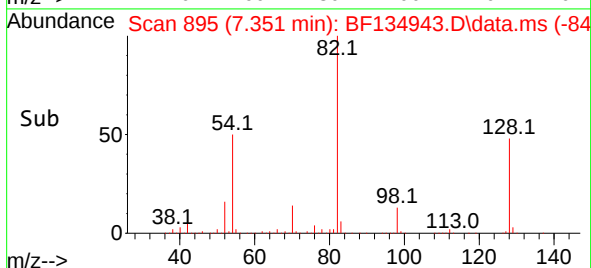
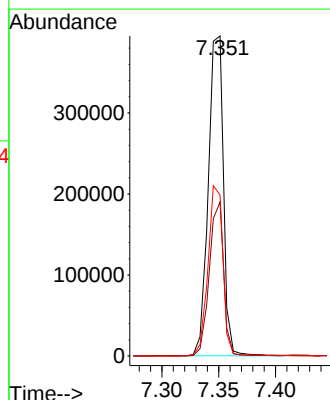
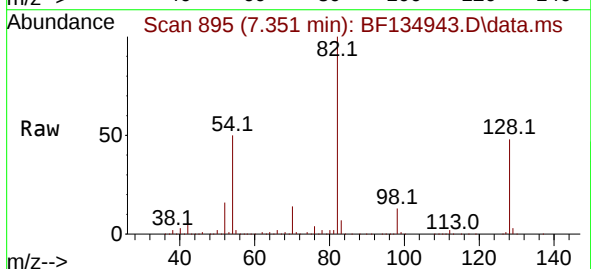
Tgt Ion: 82 Resp: 365638

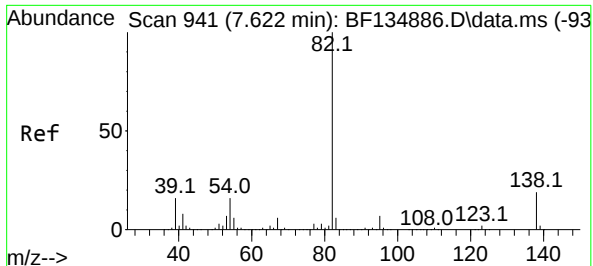
Ion Ratio Lower Upper

82 100

128 48.1 36.6 54.8

54 50.3 42.6 63.8

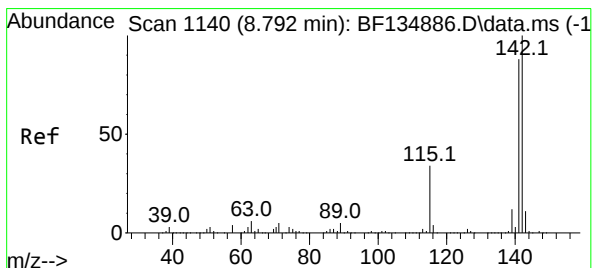
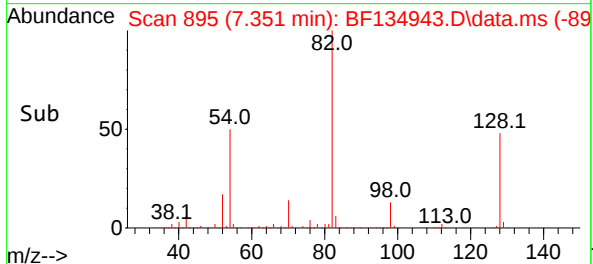
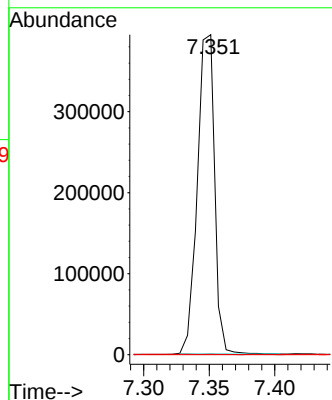
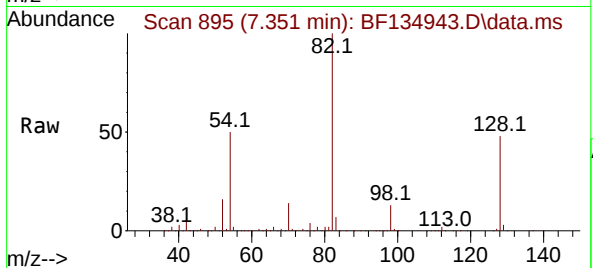




#25
Isophorone
Concen: 34.743 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

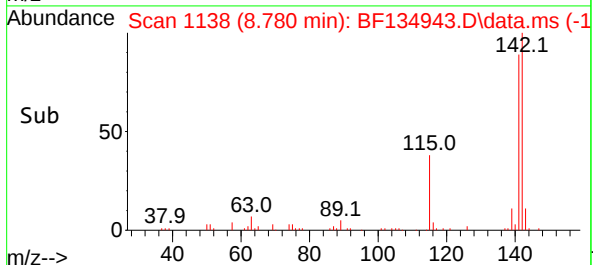
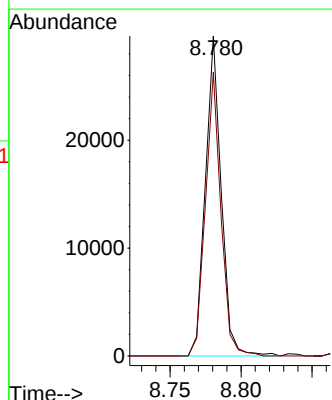
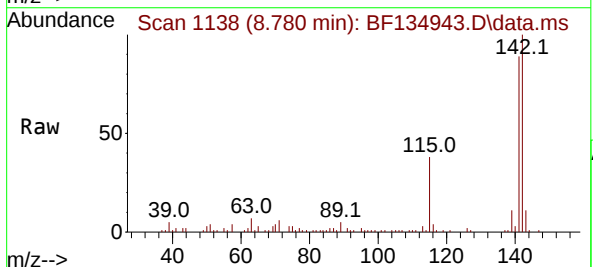
Instrument :
BNA_F
ClientSampleId :
SS-TP-23(0-1)

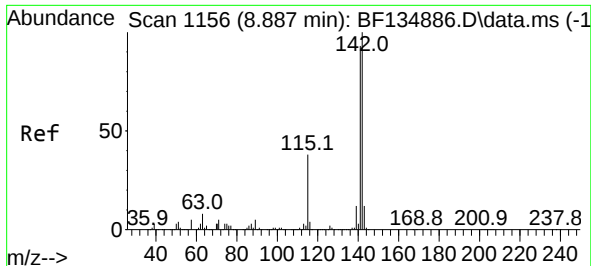
Tgt Ion: 82 Resp: 362688
Ion Ratio Lower Upper
82 100
95 0.2 5.9 8.9#
138 0.0 14.9 22.3#



#37
2-Methylnaphthalene
Concen: 2.255 ng
RT: 8.780 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Tgt Ion:142 Resp: 23133
Ion Ratio Lower Upper
142 100
141 88.6 70.2 105.2

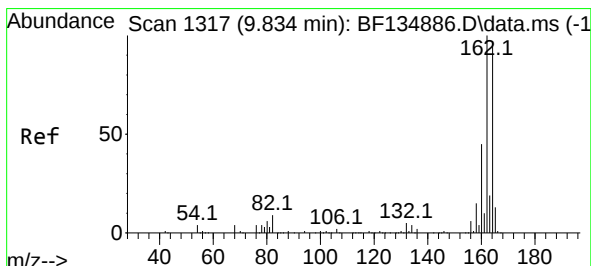
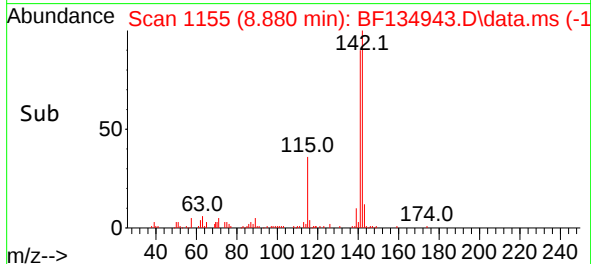
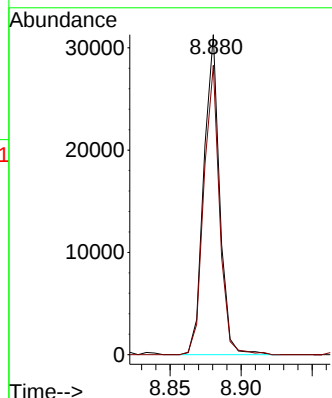
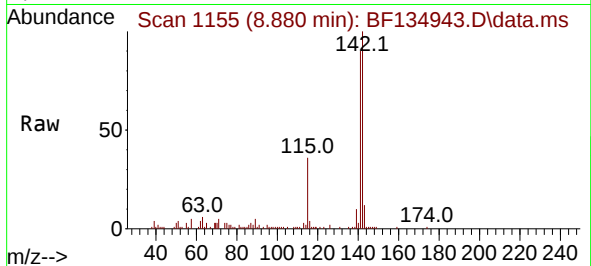




#38
1-Methylnaphthalene
Concen: 2.530 ng
RT: 8.880 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

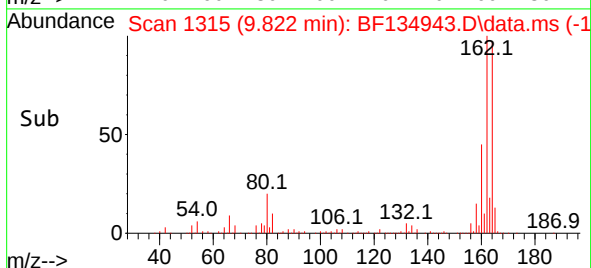
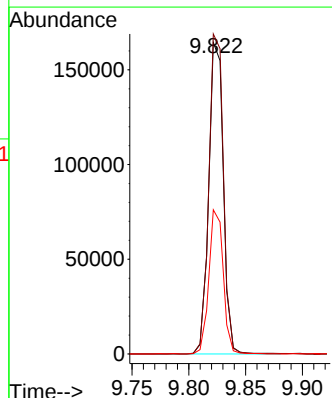
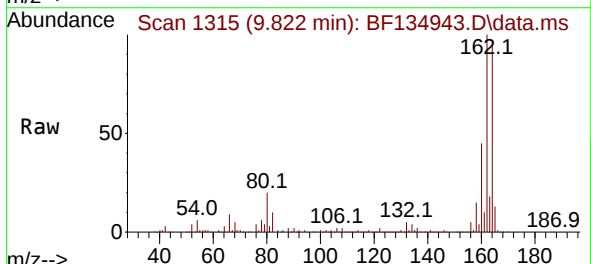
Instrument :
BNA_F
ClientSampleId :
SS-TP-23(0-1)

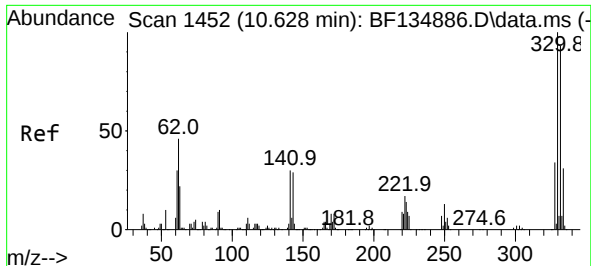
Tgt Ion:142 Resp: 24264
Ion Ratio Lower Upper
142 100
141 90.4 74.1 111.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Tgt Ion:164 Resp: 146660
Ion Ratio Lower Upper
164 100
162 102.7 82.6 123.8
160 46.3 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 79.931 ng

RT: 10.616 min Scan# 1452

Delta R.T. -0.012 min

Lab File: BF134943.D

Acq: 25 Aug 2023 16:24

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

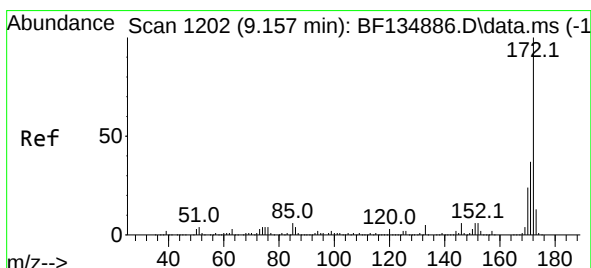
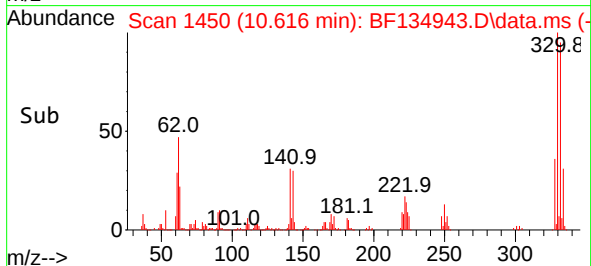
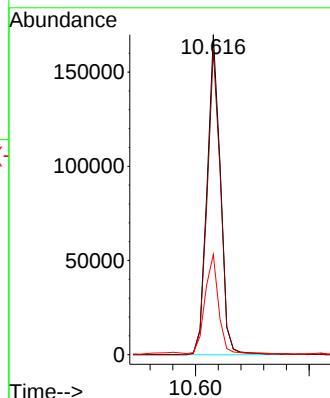
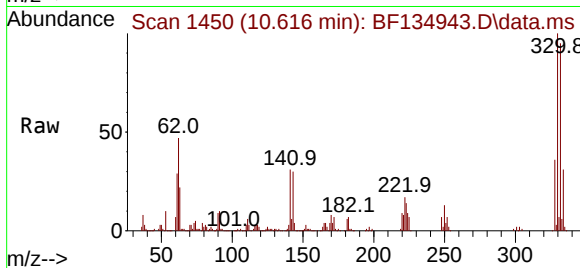
Tgt Ion:330 Resp: 138064

Ion Ratio Lower Upper

330 100

332 95.5 76.3 114.5

141 32.4 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 73.909 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF134943.D

Acq: 25 Aug 2023 16:24

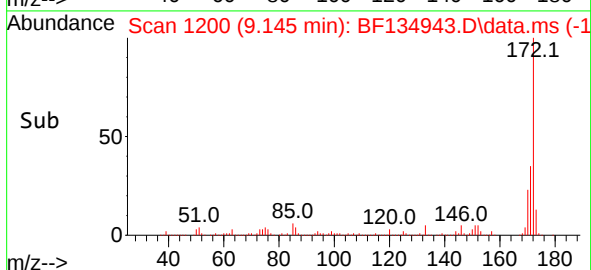
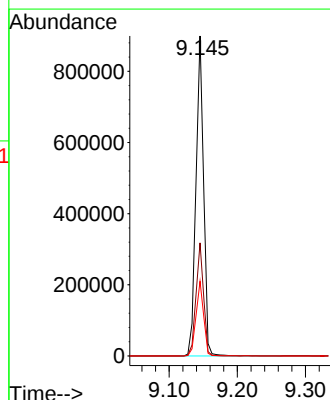
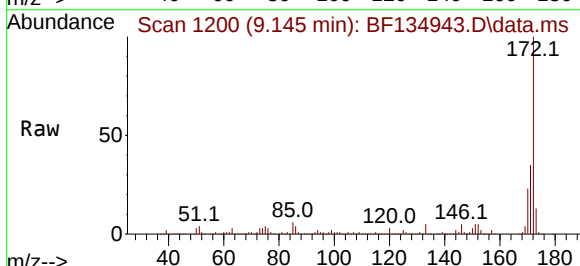
Tgt Ion:172 Resp: 701176

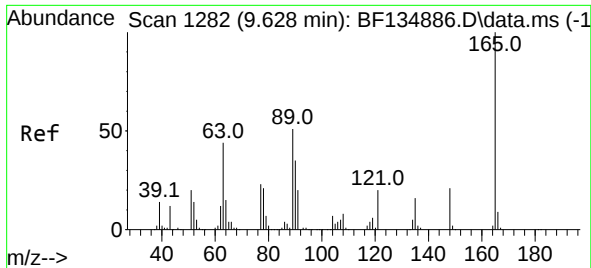
Ion Ratio Lower Upper

172 100

171 35.3 29.4 44.0

170 23.3 19.6 29.4

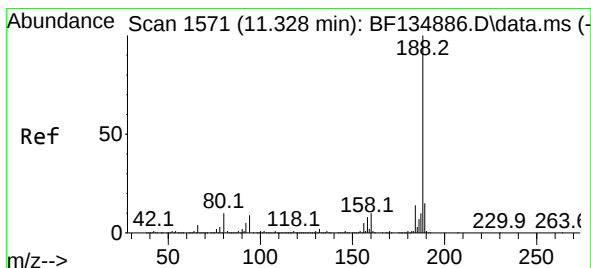
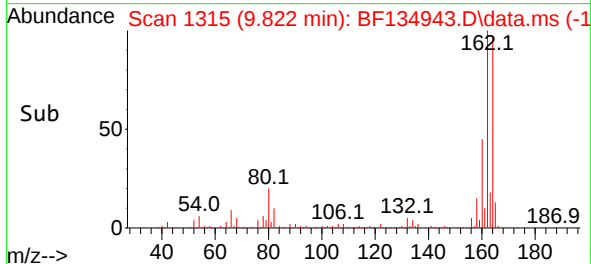
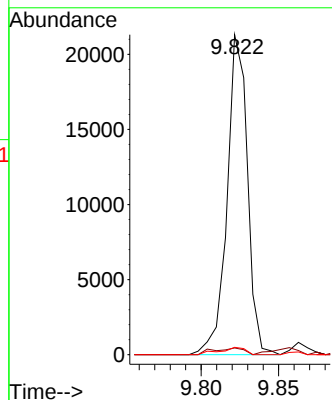
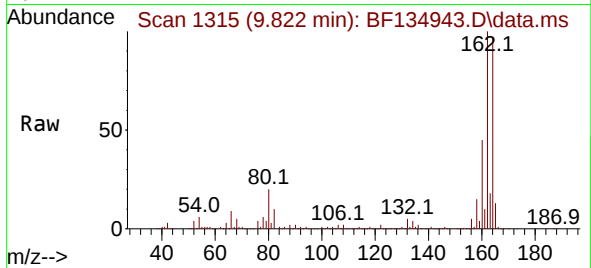




#51
2,6-Dinitrotoluene
Concen: 8.460 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

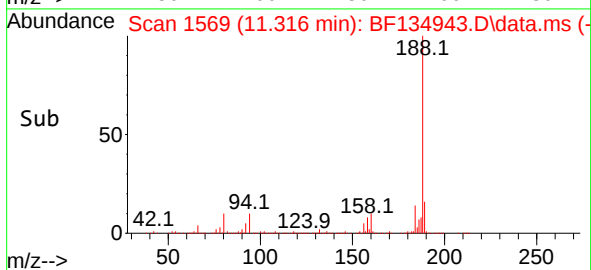
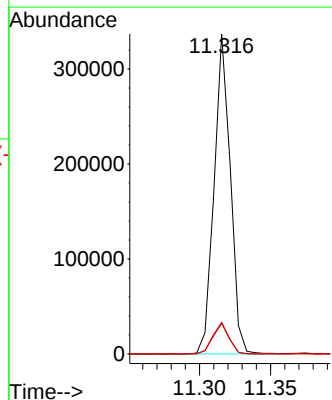
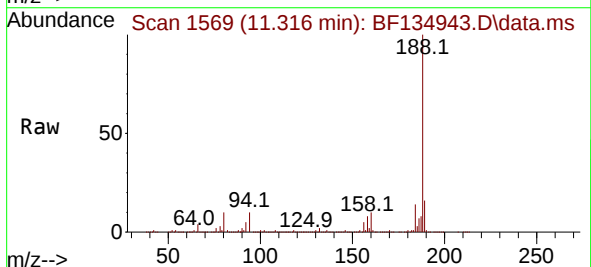
Instrument :
BNA_F
ClientSampleId :
SS-TP-23(0-1)

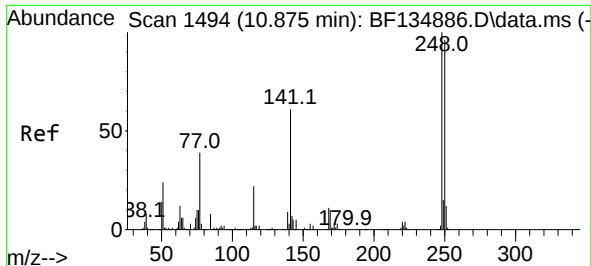
Tgt Ion:165 Resp: 19478
Ion Ratio Lower Upper
165 100
63 2.1 41.4 62.2#
89 2.3 40.9 61.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Tgt Ion:188 Resp: 267782
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 9.9 7.8 11.6





#67

4-Bromophenyl-phenylether

Concen: 2.900 ng

RT: 10.616 min Scan# 1494

Delta R.T. -0.259 min

Lab File: BF134943.D

Acq: 25 Aug 2023 16:24

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

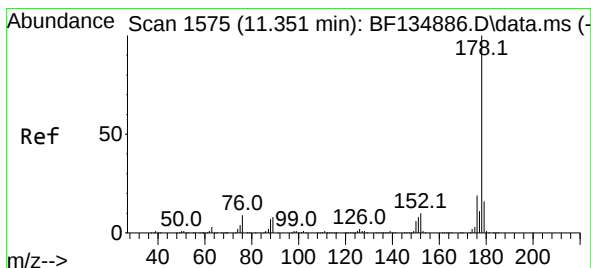
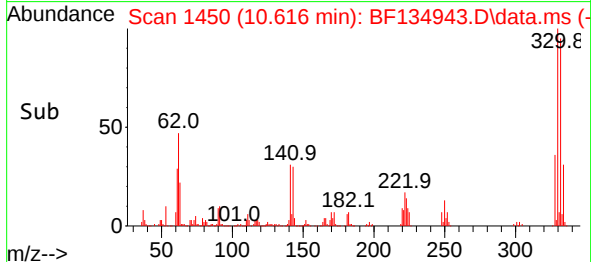
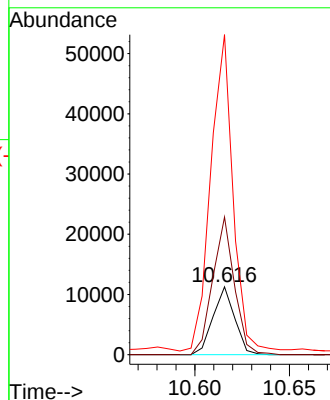
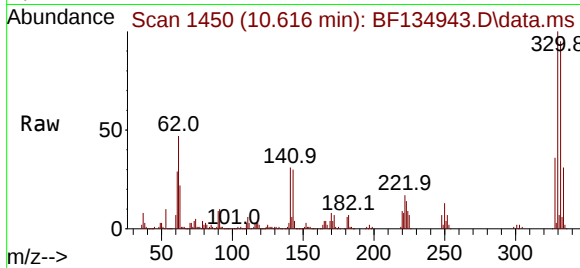
Tgt Ion:248 Resp: 8959

Ion Ratio Lower Upper

248 100

250 203.1 77.1 115.7#

141 472.1 49.0 73.4#



#71

Phenanthrene

Concen: 5.326 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.012 min

Lab File: BF134943.D

Acq: 25 Aug 2023 16:24

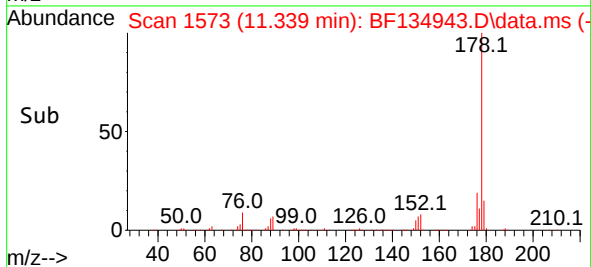
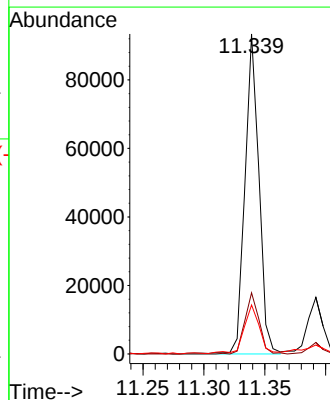
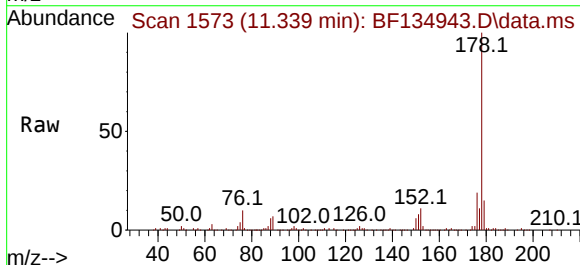
Tgt Ion:178 Resp: 74738

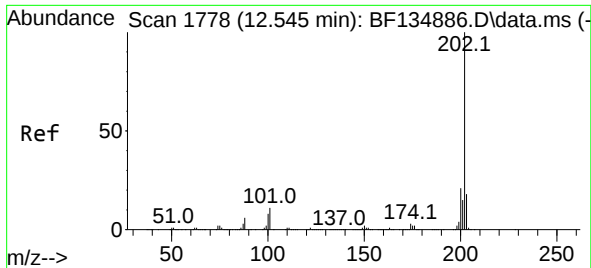
Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.3 12.6 19.0

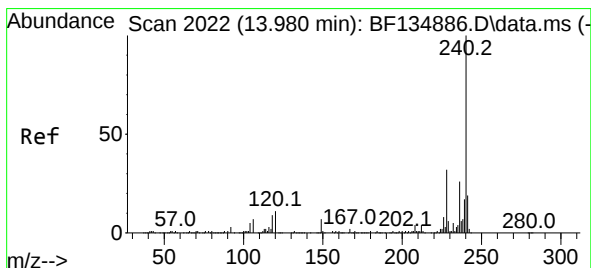
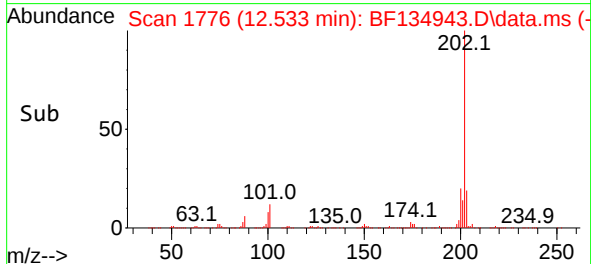
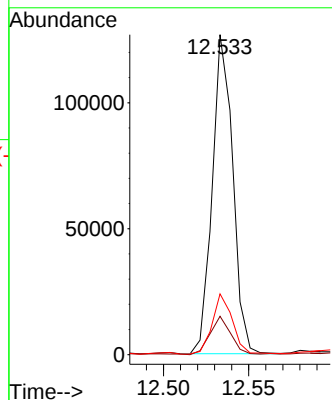
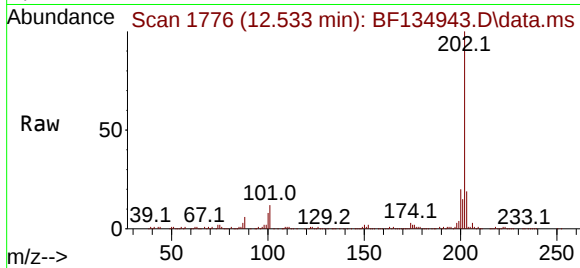




#75
Fluoranthene
Concen: 7.976 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

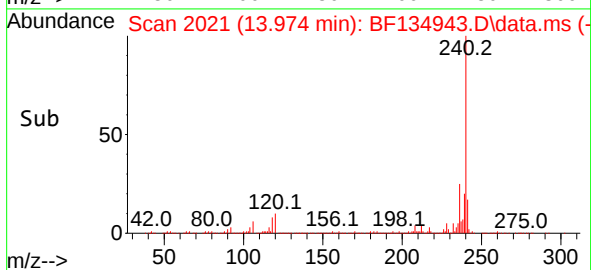
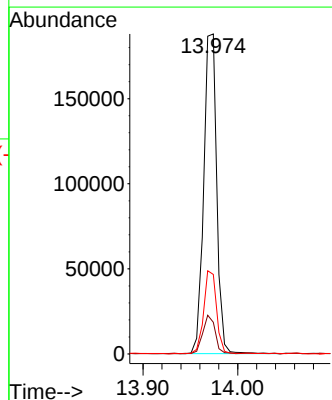
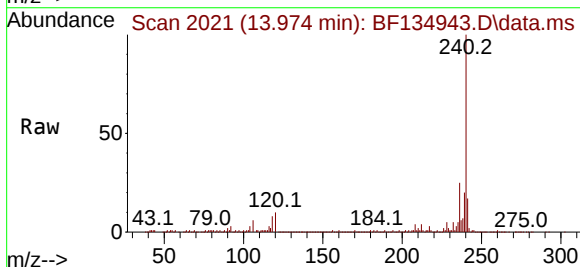
Instrument :
BNA_F
ClientSampleId :
SS-TP-23(0-1)

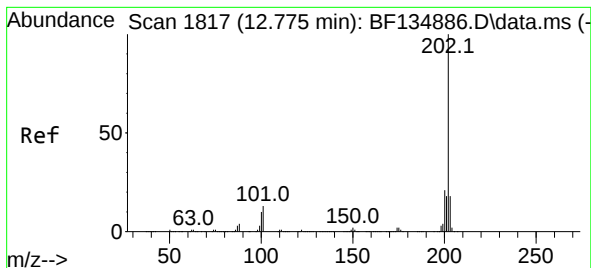
Tgt Ion:202 Resp: 106052
Ion Ratio Lower Upper
202 100
101 12.0 0.0 30.5
203 19.0 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Tgt Ion:240 Resp: 179648
Ion Ratio Lower Upper
240 100
120 9.9 8.6 12.8
236 24.9 20.6 31.0





#78

Pyrene

Concen: 4.788 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.012 min

Lab File: BF134943.D

Acq: 25 Aug 2023 16:24

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

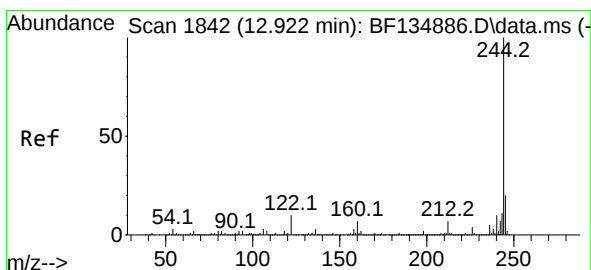
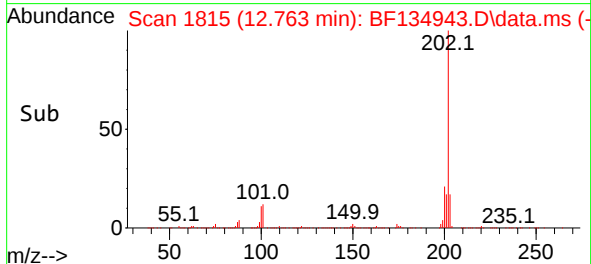
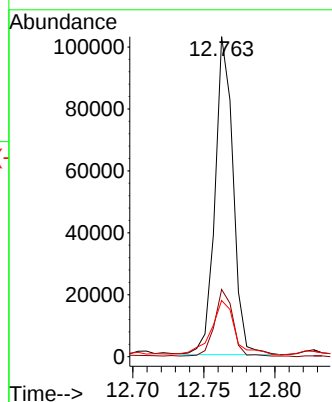
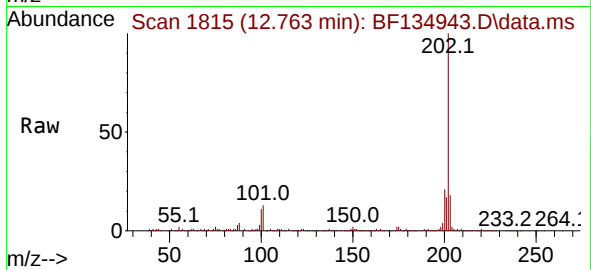
Tgt Ion:202 Resp: 91199

Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 17.6 14.2 21.2



#79

Terphenyl-d14

Concen: 60.905 ng

RT: 12.915 min Scan# 1841

Delta R.T. -0.007 min

Lab File: BF134943.D

Acq: 25 Aug 2023 16:24

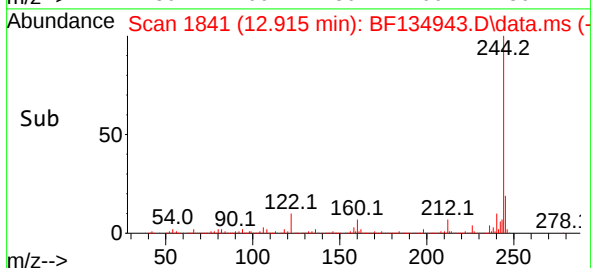
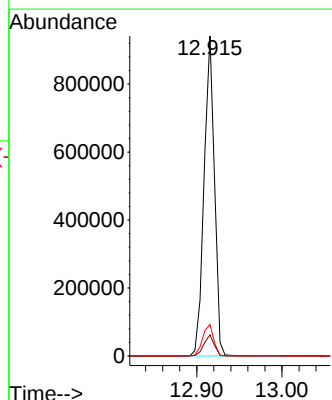
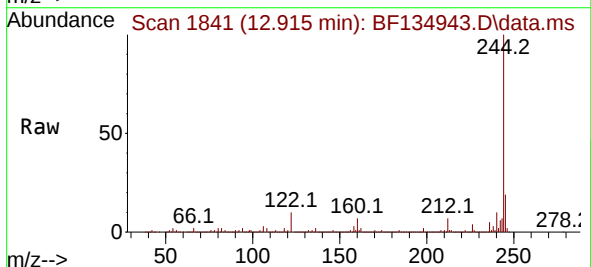
Tgt Ion:244 Resp: 795515

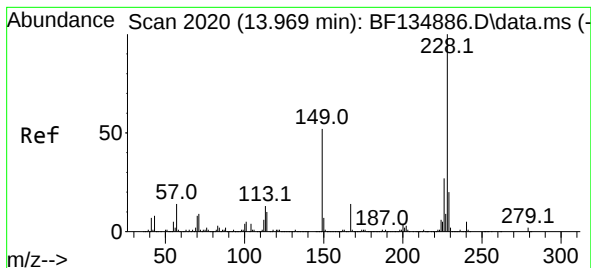
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 9.9 8.2 12.4





#81

Benzo(a)anthracene

Concen: 4.070 ng

RT: 13.962 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF134943.D

Acq: 25 Aug 2023 16:24

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

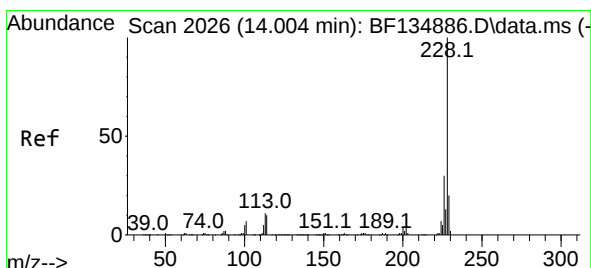
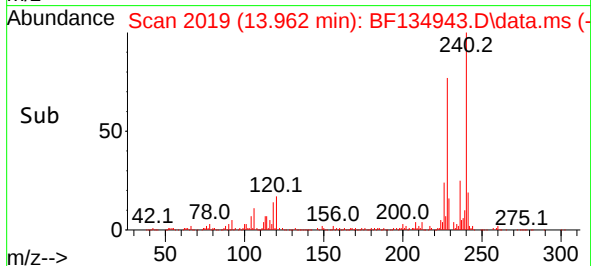
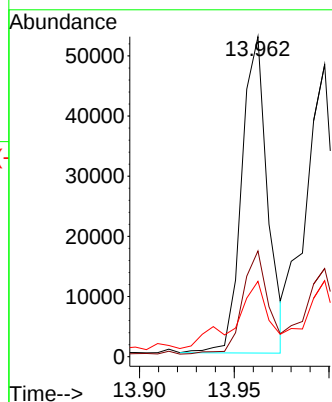
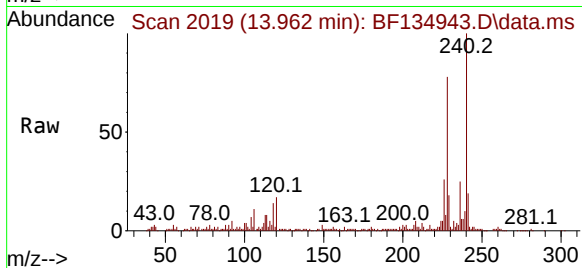
Tgt Ion:228 Resp: 49892

Ion Ratio Lower Upper

228 100

226 33.1 21.8 32.6#

229 23.5 15.6 23.4#



#83

Chrysene

Concen: 4.126 ng

RT: 13.962 min Scan# 2019

Delta R.T. -0.042 min

Lab File: BF134943.D

Acq: 25 Aug 2023 16:24

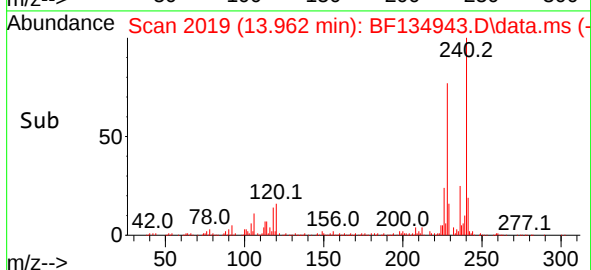
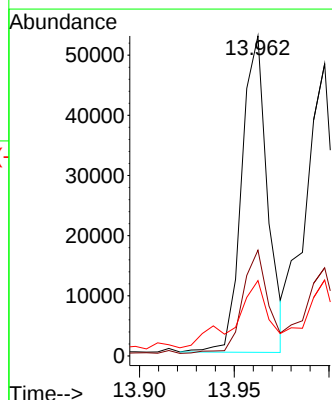
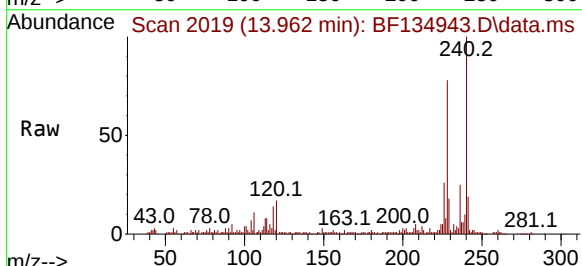
Tgt Ion:228 Resp: 49892

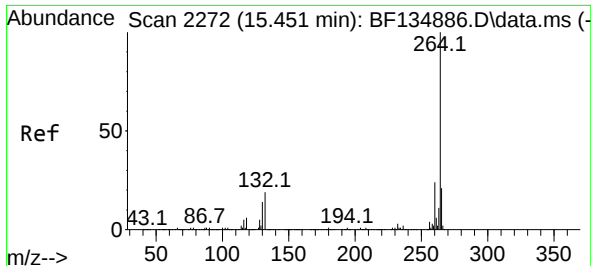
Ion Ratio Lower Upper

228 100

226 33.1 24.2 36.2

229 23.5 16.0 24.0

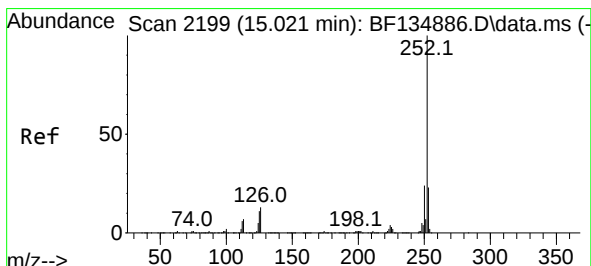
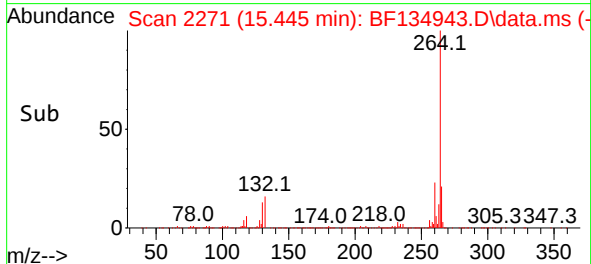
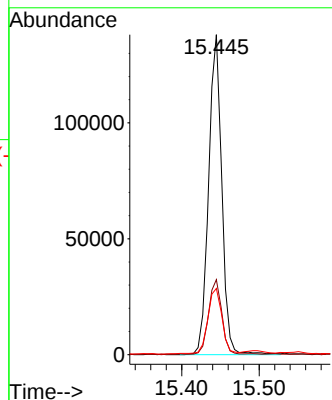
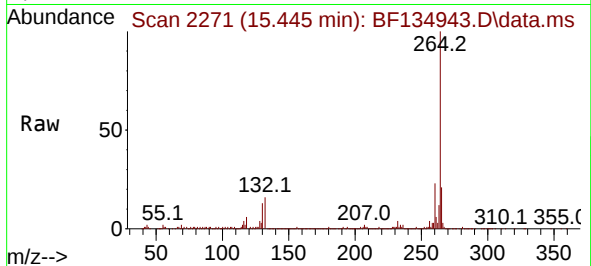




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

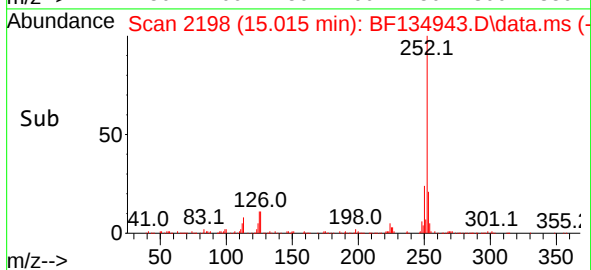
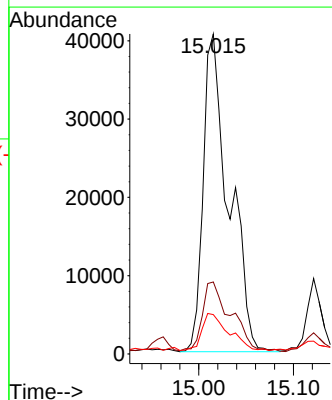
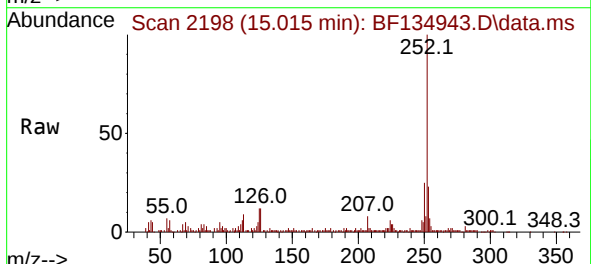
Instrument :
BNA_F
ClientSampleId :
SS-TP-23(0-1)

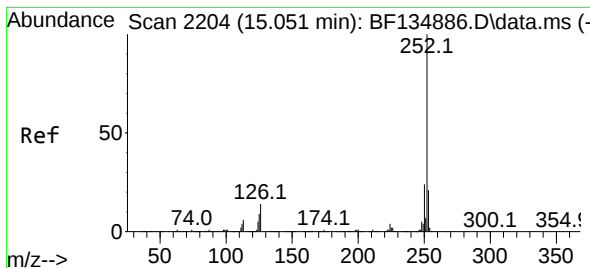
Tgt Ion:264 Resp: 163033
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 20.7 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 8.315 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Tgt Ion:252 Resp: 76482
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 12.3 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 8.467 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.036 min

Lab File: BF134943.D

Acq: 25 Aug 2023 16:24

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

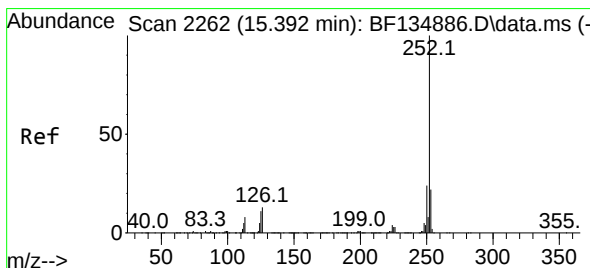
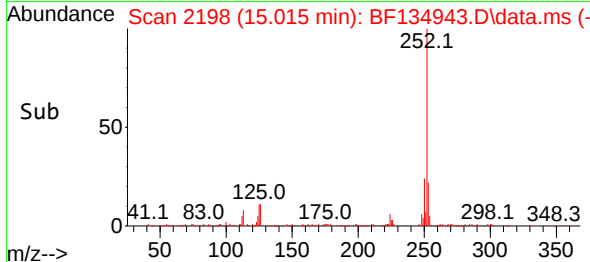
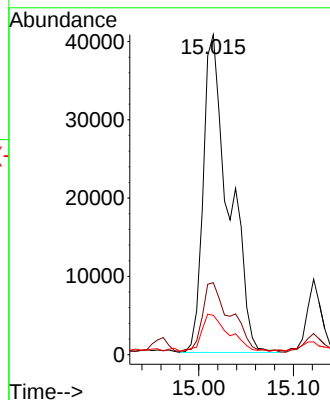
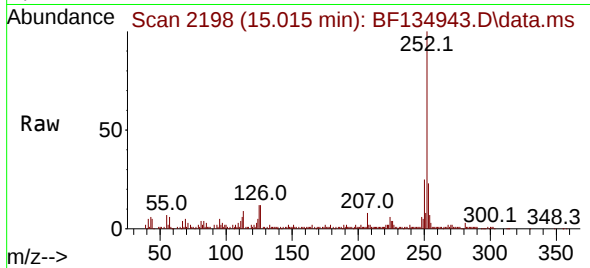
Tgt Ion:252 Resp: 76482

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

125 12.3 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 3.977 ng

RT: 15.380 min Scan# 2260

Delta R.T. -0.012 min

Lab File: BF134943.D

Acq: 25 Aug 2023 16:24

Tgt Ion:252 Resp: 36515

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 11.8 8.4 12.6

