

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134962.D
 Acq On : 28 Aug 2023 11:44
 Operator : CG\JU
 Sample : 04110-16
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Aug 29 03:47:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

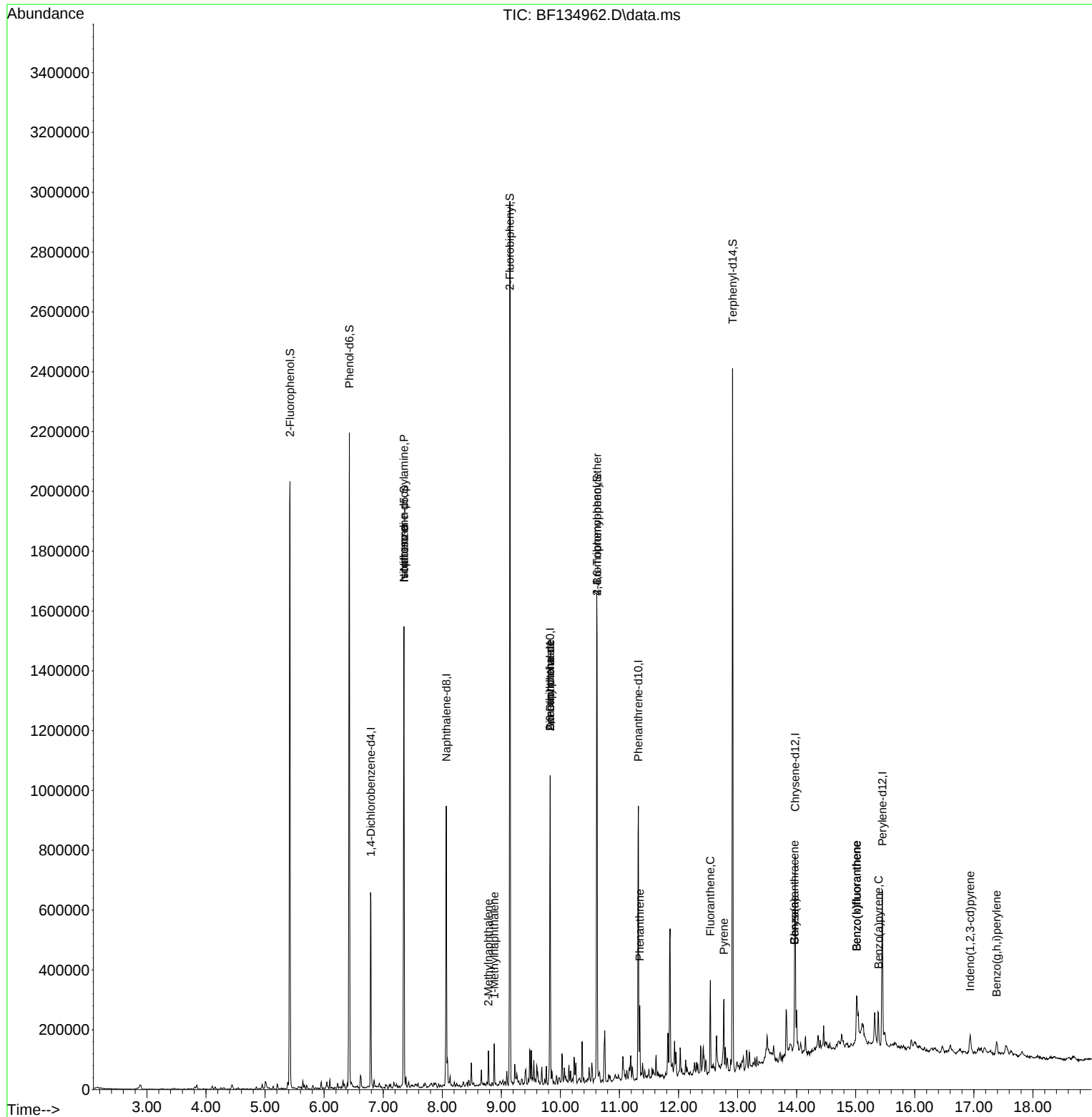
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	95374	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	381617	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	193220	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	334829	20.000	ng	0.00
76) Chrysene-d12	13.974	240	182774	20.000	ng	0.00
86) Perylene-d12	15.451	264	237049	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	563787	94.265	ng	0.00
7) Phenol-d6	6.428	99	703762	92.086	ng	-0.01
23) Nitrobenzene-d5	7.351	82	461638	66.658	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	194238	85.355	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	862603	69.014	ng	-0.01
79) Terphenyl-d14	12.915	244	770043	57.947	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.351	70	61000	13.666	ng	# 77
25) Isophorone	7.351	82	456388	35.292	ng	# 64
37) 2-Methylnaphthalene	8.780	142	28459	2.240	ng	96
38) 1-Methylnaphthalene	8.880	142	31628	2.662	ng	98
50) Dimethylphthalate	9.827	163	39413	2.866	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	25559	8.426	ng	# 29
67) 4-Bromophenyl-phenylether	10.622	248	12604	3.263	ng	# 1
71) Phenanthrene	11.345	178	93728	5.342	ng	98
75) Fluoranthene	12.539	202	110448	6.644	ng	99
78) Pyrene	12.768	202	93634	4.832	ng	98
81) Benzo(a)anthracene	13.962	228	55364	4.440	ng	92
83) Chrysene	13.962	228	55364	4.500	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	38391	2.266	ng	97
88) Benzo(b)fluoranthene	15.015	252	101135	7.562	ng	99
89) Benzo(k)fluoranthene	15.015	252	101135	7.701	ng	97
90) Benzo(a)pyrene	15.386	252	51517	3.859	ng	99
92) Benzo(g,h,i)perylene	17.386	276	36457	2.598	ng	96

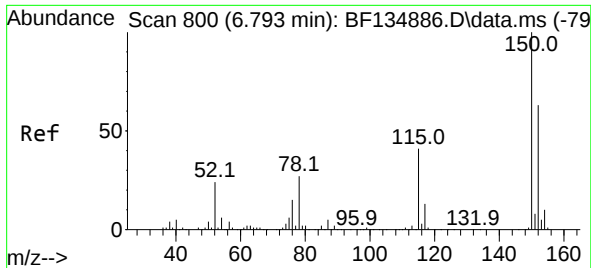
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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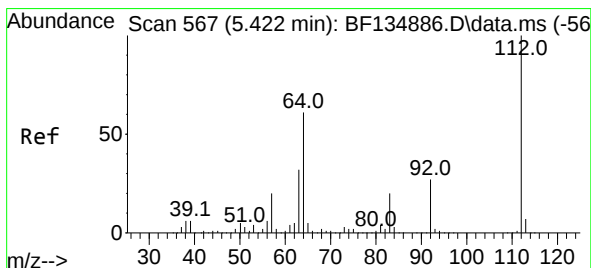
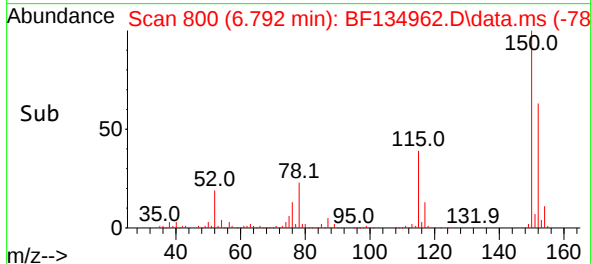
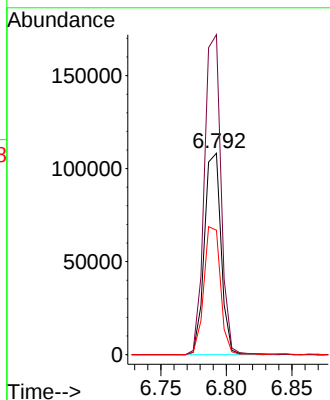
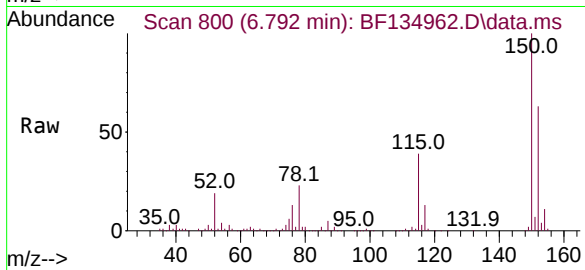




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 800
 Delta R.T. -0.001 min
 Lab File: BF134962.D
 Acq: 28 Aug 2023 11:44

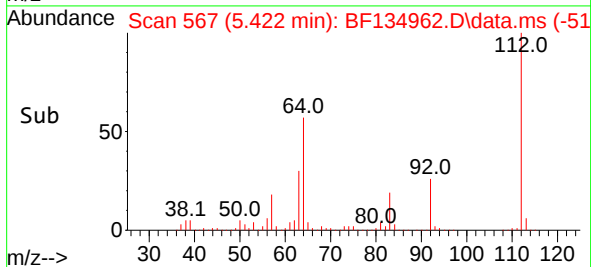
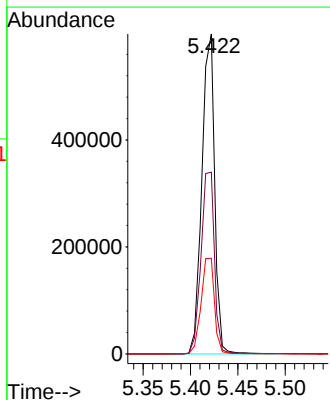
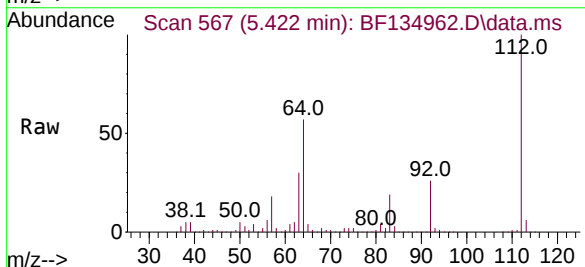
Instrument :
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 ClientSampleId :
 SS-TP-23(0-1)

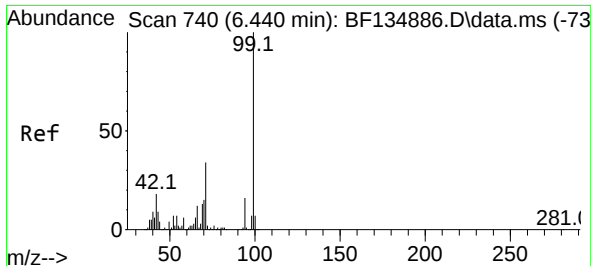
Tgt Ion:152 Resp: 95374
 Ion Ratio Lower Upper
 152 100
 150 158.9 126.1 189.1
 115 61.8 51.1 76.7



#5
 2-Fluorophenol
 Concen: 94.265 ng
 RT: 5.422 min Scan# 567
 Delta R.T. -0.000 min
 Lab File: BF134962.D
 Acq: 28 Aug 2023 11:44

Tgt Ion:112 Resp: 563787
 Ion Ratio Lower Upper
 112 100
 64 56.8 48.6 73.0
 63 29.9 25.7 38.5

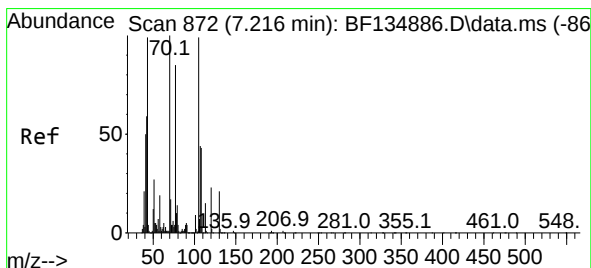
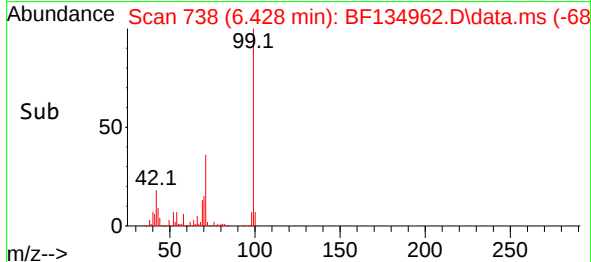
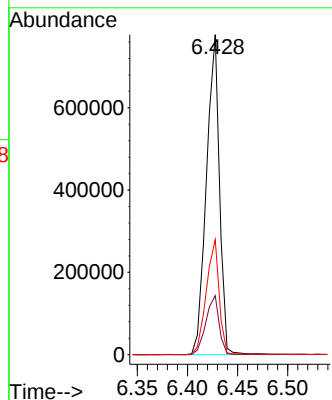
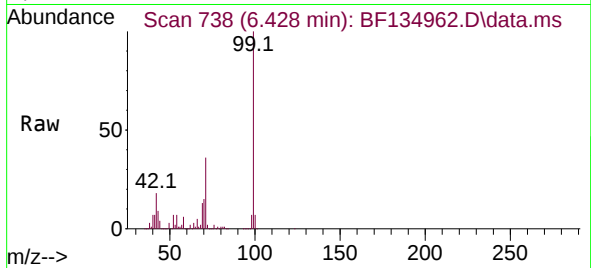




#7
Phenol-d6
Concen: 92.086 ng
RT: 6.428 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

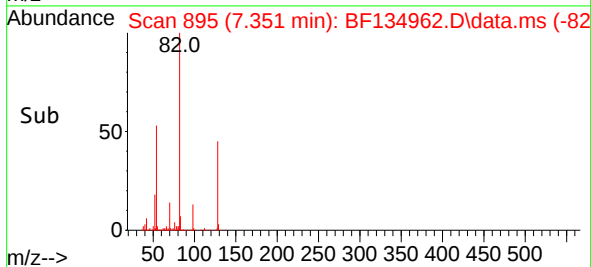
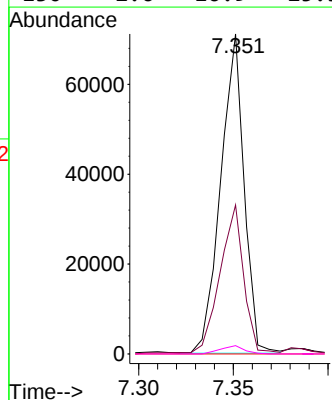
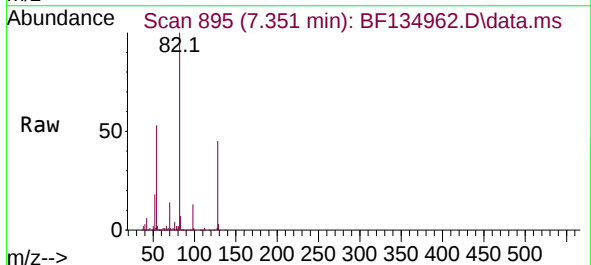
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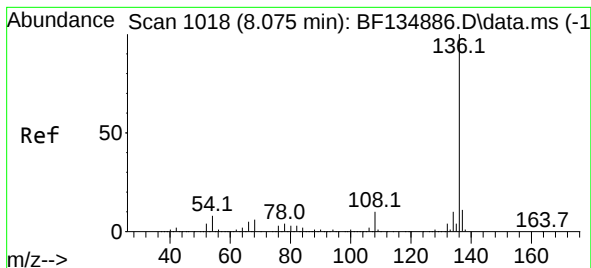
Tgt Ion: 99 Resp: 703762
Ion Ratio Lower Upper
99 100
42 18.4 14.6 22.0
71 35.9 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.666 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Tgt Ion: 70 Resp: 61000
Ion Ratio Lower Upper
70 100
42 46.5 46.9 70.3#
101 0.0 7.5 11.3#
130 2.6 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

Tgt Ion:136 Resp: 381617

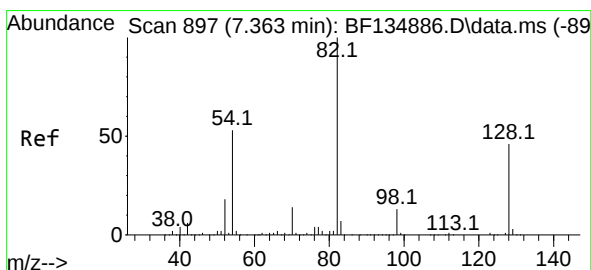
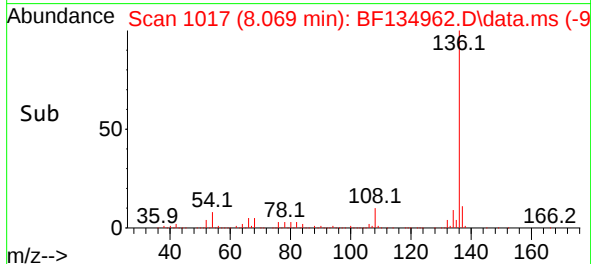
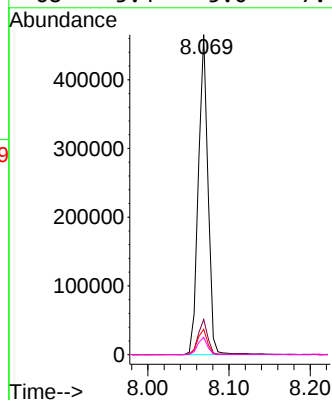
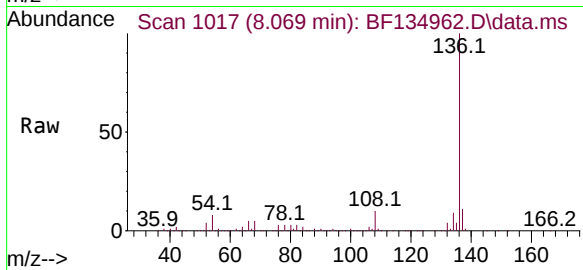
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.9 6.6 9.8

68 5.4 5.0 7.4



#23

Nitrobenzene-d5

Concen: 66.658 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

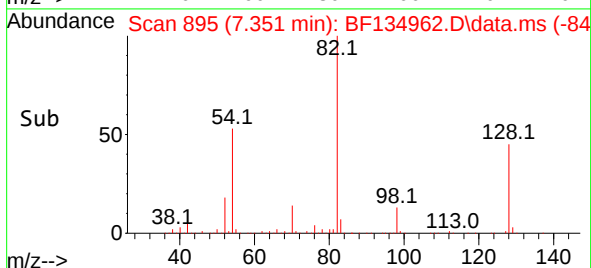
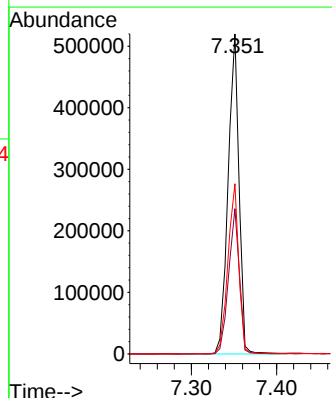
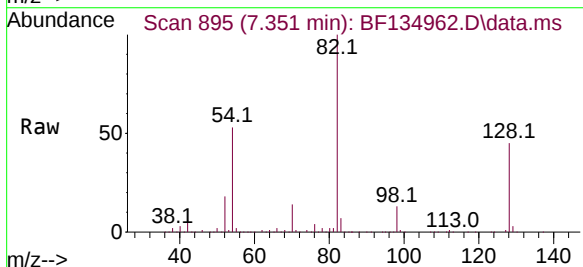
Tgt Ion: 82 Resp: 461638

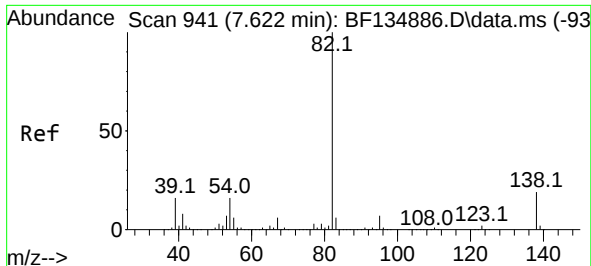
Ion Ratio Lower Upper

82 100

128 45.4 36.6 54.8

54 53.2 42.6 63.8

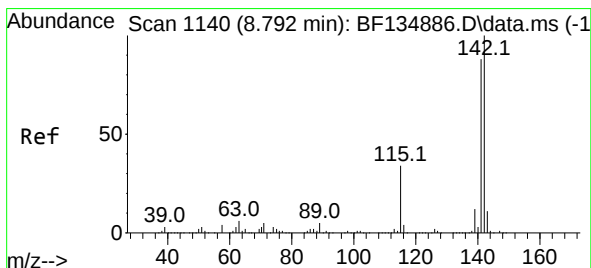
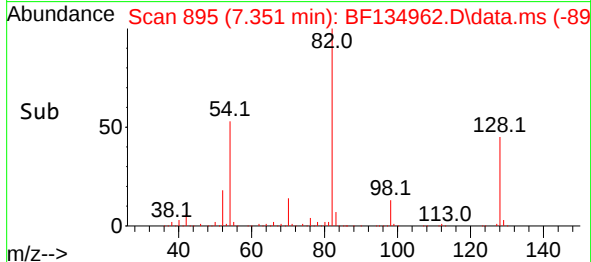
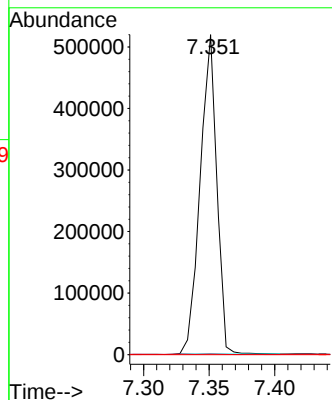
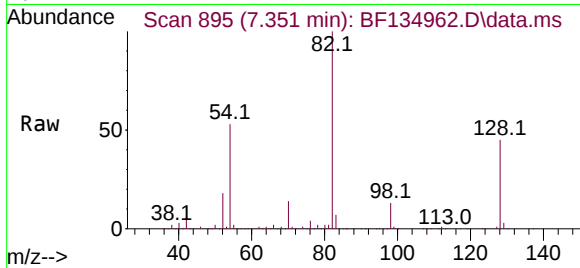




#25
Isophorone
Concen: 35.292 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

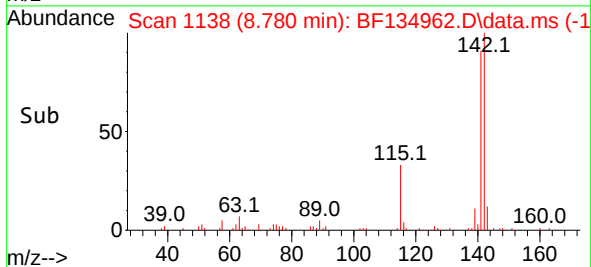
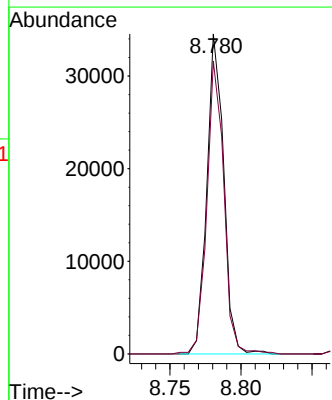
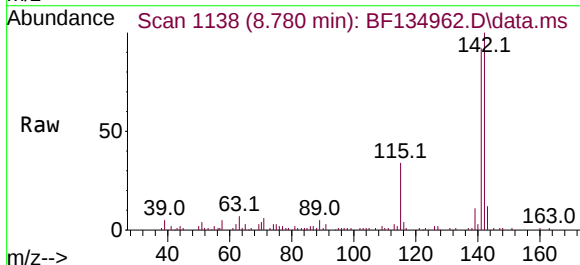
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SS-TP-23(0-1)

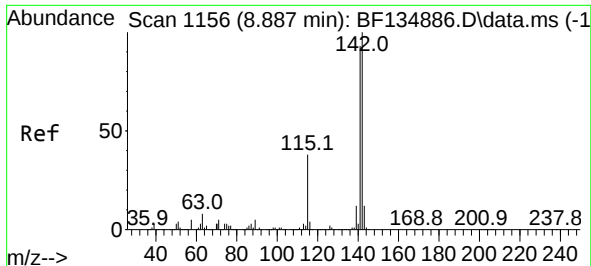
Tgt Ion: 82 Resp: 456388
Ion Ratio Lower Upper
82 100
95 0.2 5.9 8.9#
138 0.0 14.9 22.3#



#37
2-Methylnaphthalene
Concen: 2.240 ng
RT: 8.780 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Tgt Ion:142 Resp: 28459
Ion Ratio Lower Upper
142 100
141 91.5 70.2 105.2

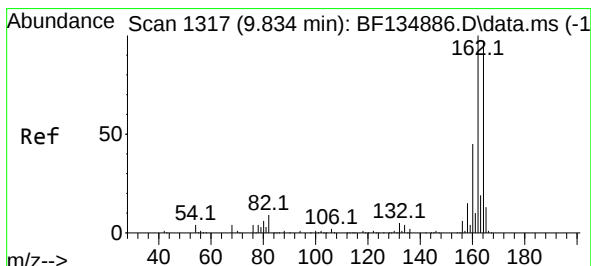
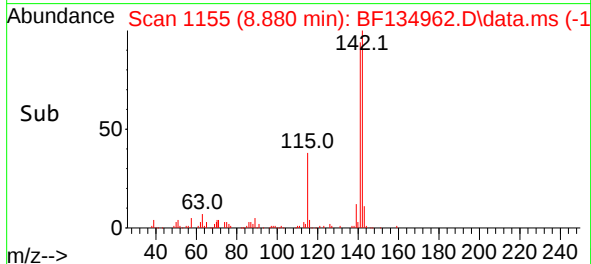
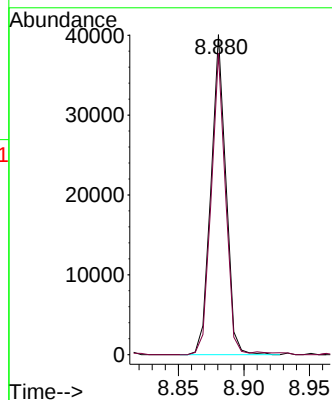
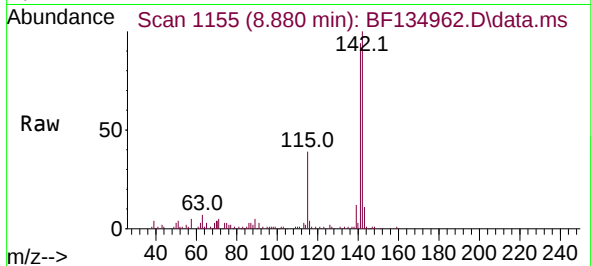




#38
1-Methylnaphthalene
Concen: 2.662 ng
RT: 8.880 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

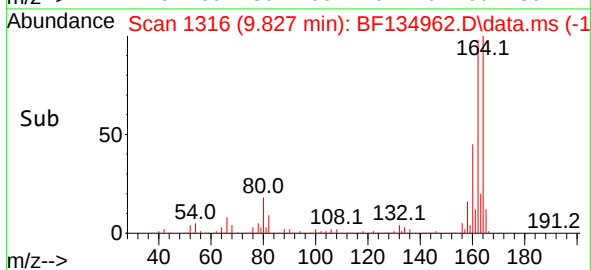
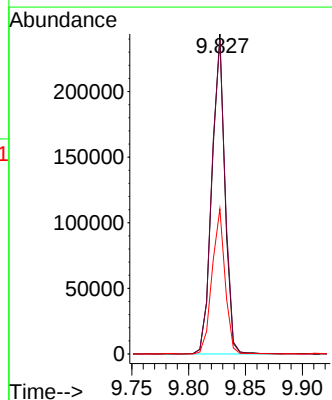
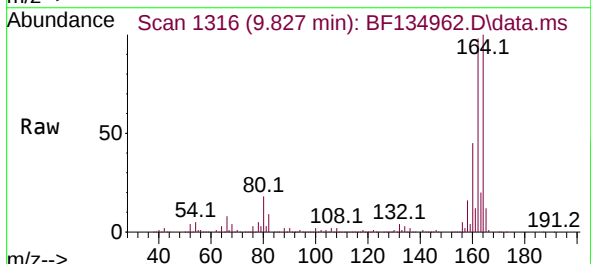
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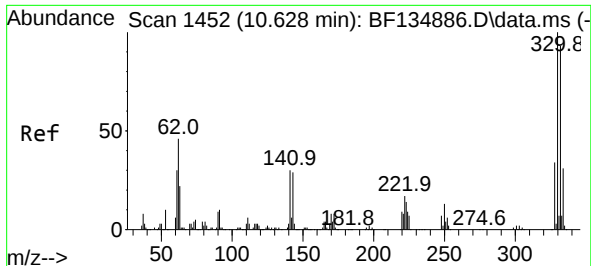
Tgt Ion:142 Resp: 31628
Ion Ratio Lower Upper
142 100
141 94.1 74.1 111.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Tgt Ion:164 Resp: 193220
Ion Ratio Lower Upper
164 100
162 98.1 82.6 123.8
160 45.3 37.0 55.4

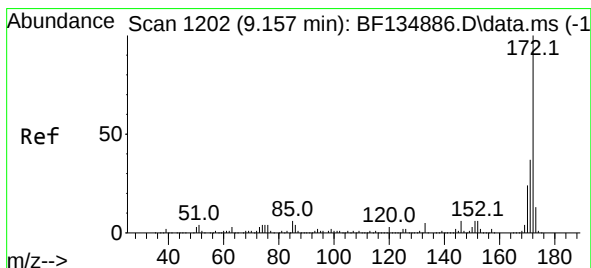
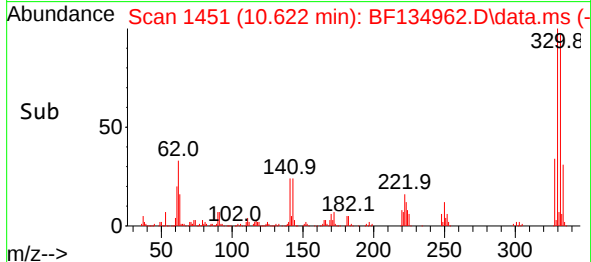
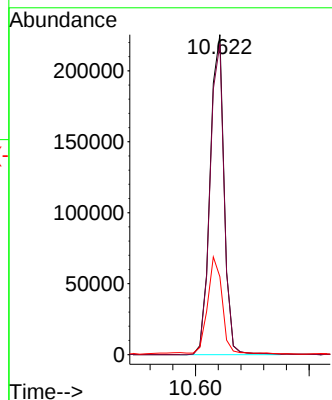
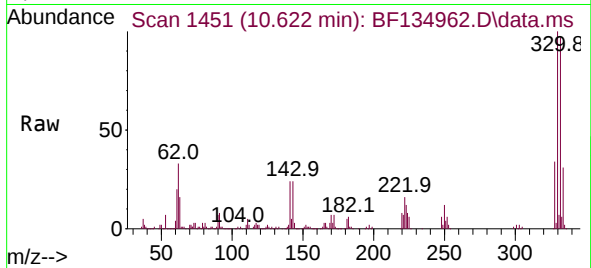




#42
2,4,6-Tribromophenol
Concen: 85.355 ng
RT: 10.622 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

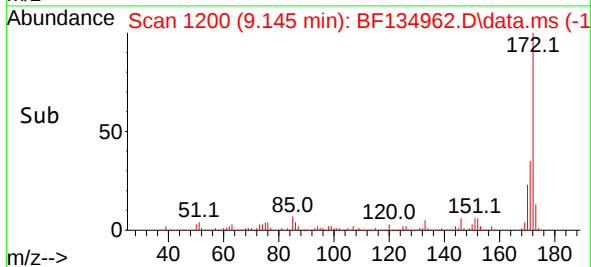
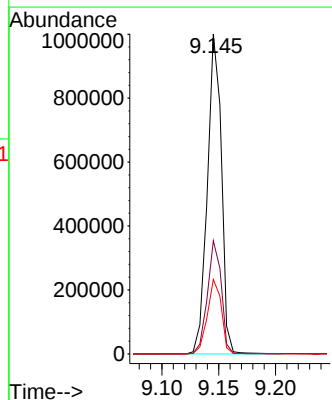
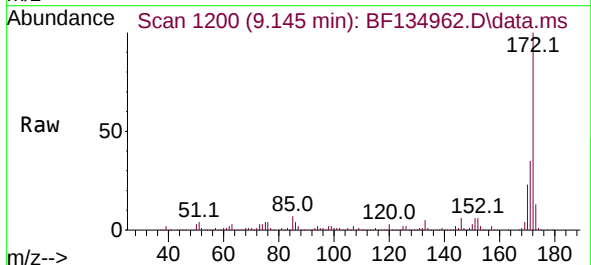
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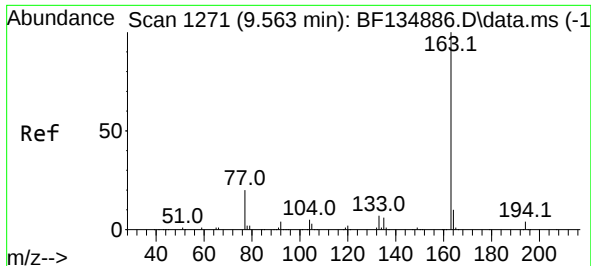
Tgt Ion:330 Resp: 194238
Ion Ratio Lower Upper
330 100
332 97.9 76.3 114.5
141 32.1 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 69.014 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Tgt Ion:172 Resp: 862603
Ion Ratio Lower Upper
172 100
171 35.4 29.4 44.0
170 23.3 19.6 29.4

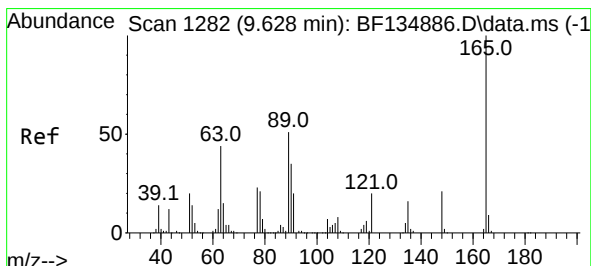
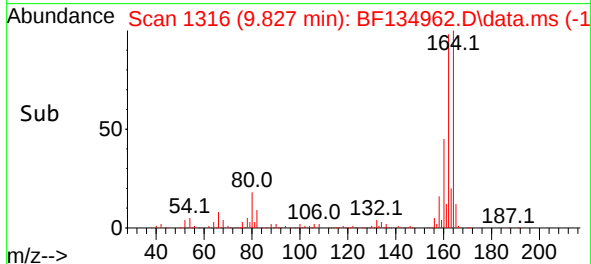
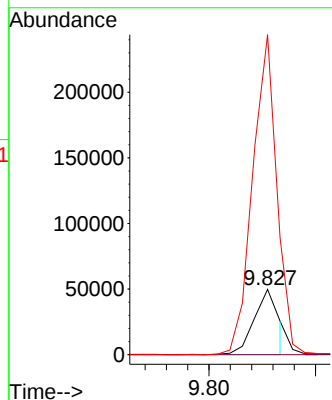
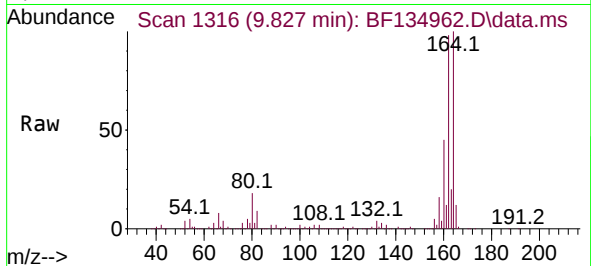




#50
Dimethylphthalate
Concen: 2.866 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.264 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

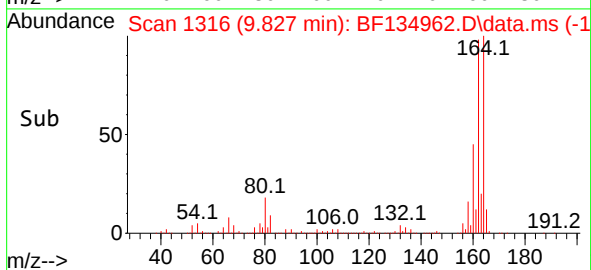
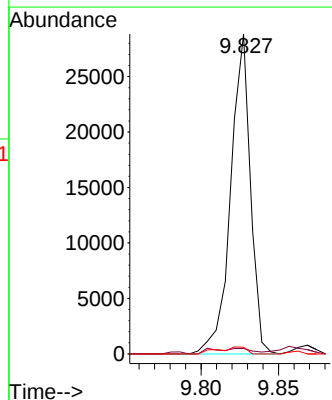
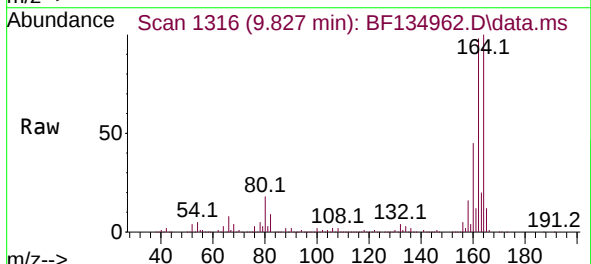
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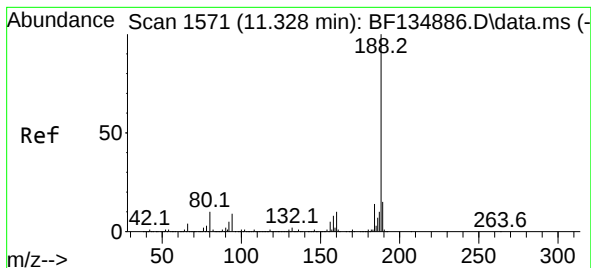
Tgt Ion:163 Resp: 39413
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 490.2 8.2 12.4#



#51
2,6-Dinitrotoluene
Concen: 8.426 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.199 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Tgt Ion:165 Resp: 25559
Ion Ratio Lower Upper
165 100
63 1.7 41.4 62.2#
89 2.1 40.9 61.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.321 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

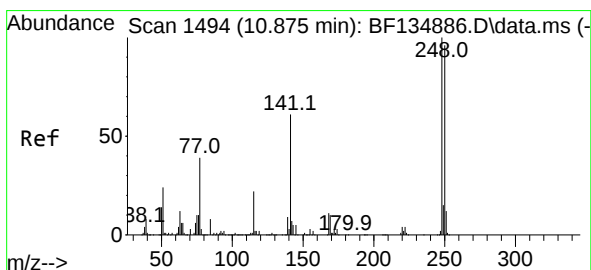
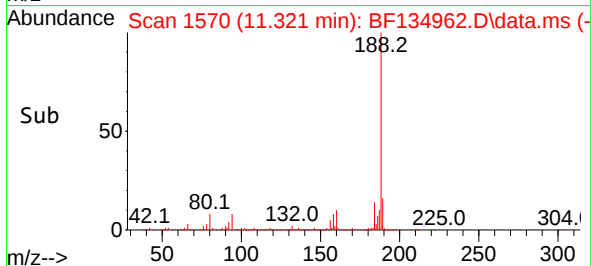
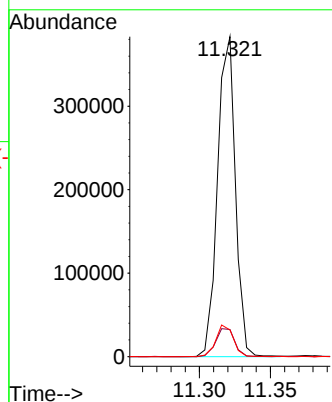
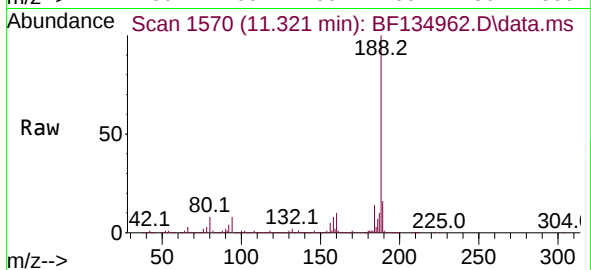
Tgt Ion:188 Resp: 334829

Ion Ratio Lower Upper

188 100

94 8.5 7.5 11.3

80 8.3 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 3.263 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.253 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

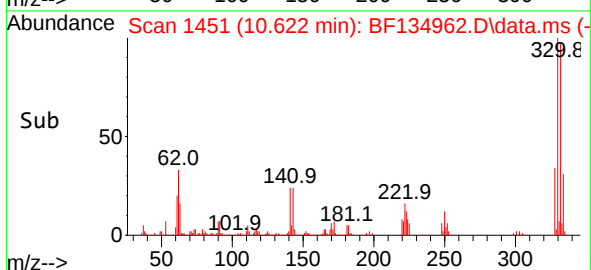
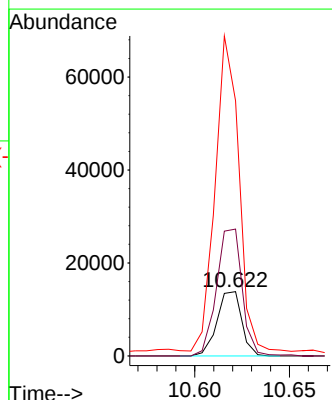
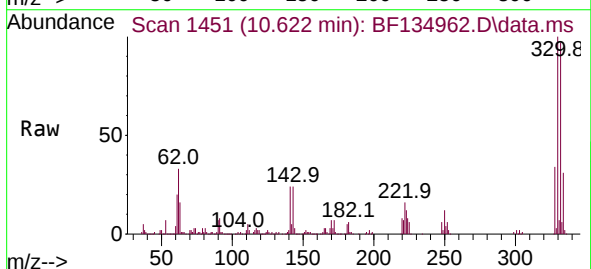
Tgt Ion:248 Resp: 12604

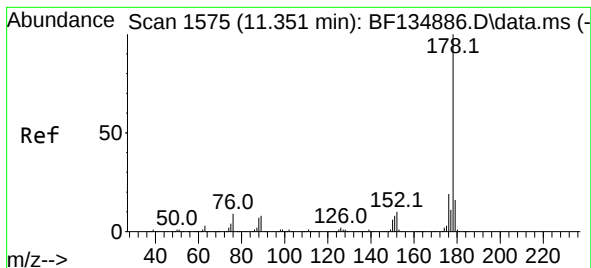
Ion Ratio Lower Upper

248 100

250 197.2 77.1 115.7#

141 396.7 49.0 73.4#





#71

Phenanthrene

Concen: 5.342 ng

RT: 11.345 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

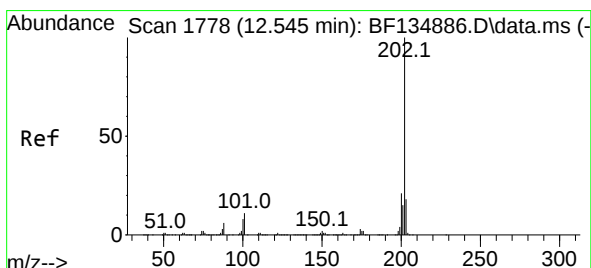
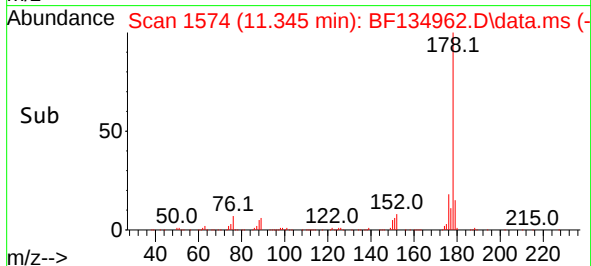
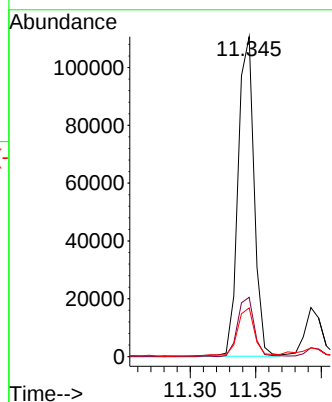
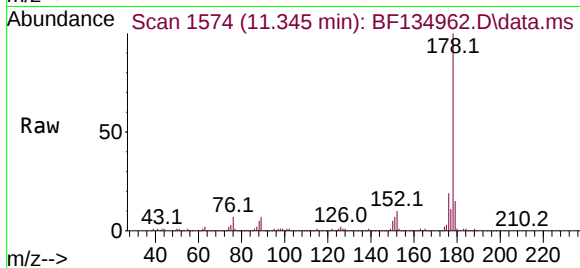
Tgt Ion:178 Resp: 93728

Ion Ratio Lower Upper

178 100

176 18.5 15.5 23.3

179 15.2 12.6 19.0



#75

Fluoranthene

Concen: 6.644 ng

RT: 12.539 min Scan# 1777

Delta R.T. -0.006 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

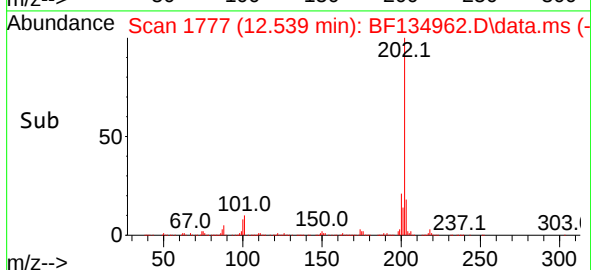
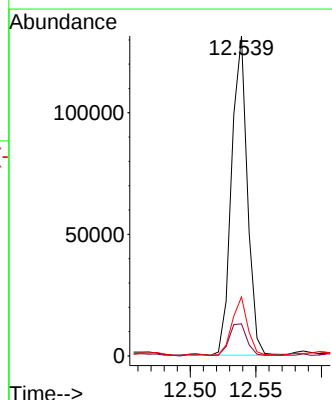
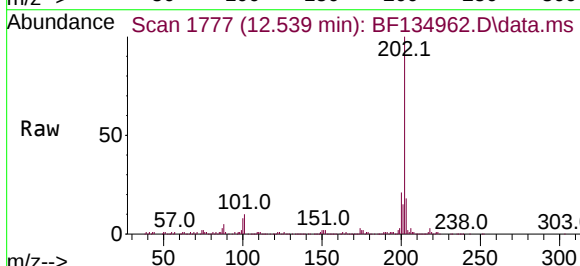
Tgt Ion:202 Resp: 110448

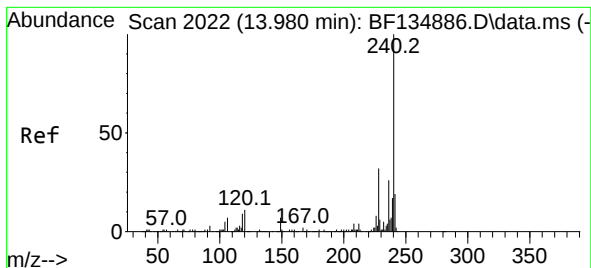
Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.5

203 18.4 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

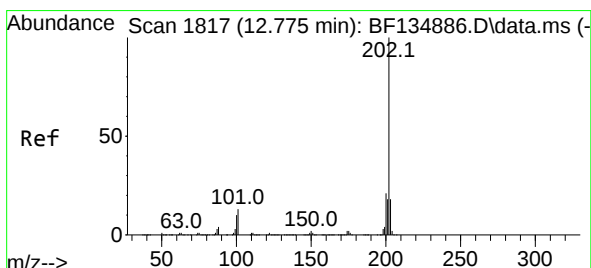
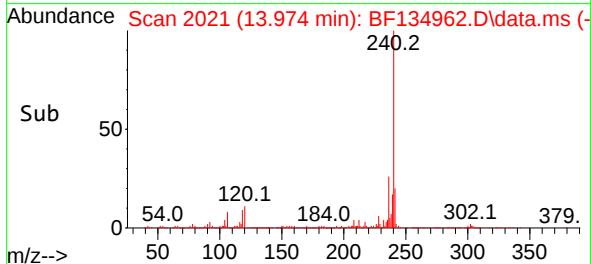
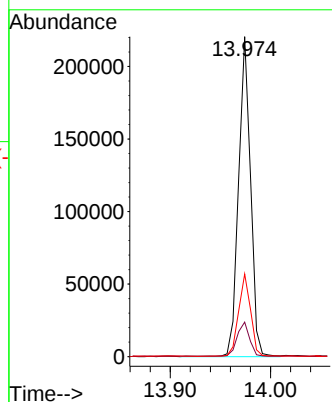
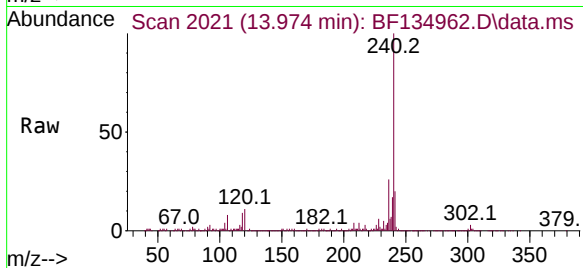
Tgt Ion:240 Resp: 182774

Ion Ratio Lower Upper

240 100

120 10.8 8.6 12.8

236 25.8 20.6 31.0



#78

Pyrene

Concen: 4.832 ng

RT: 12.768 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

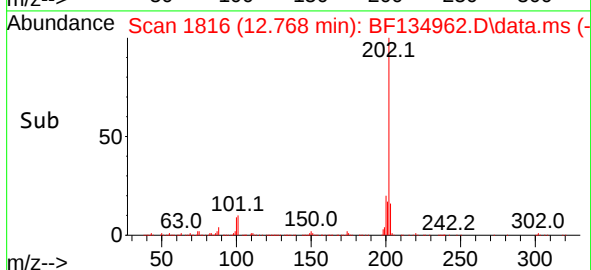
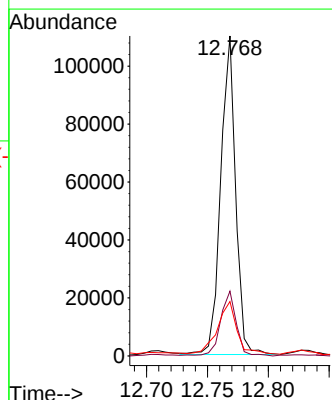
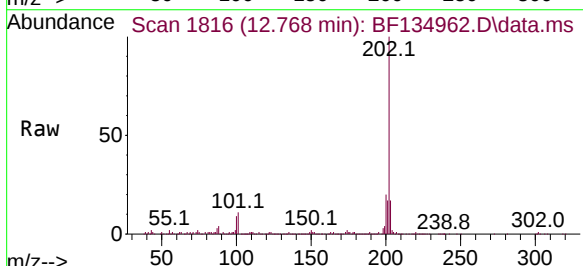
Tgt Ion:202 Resp: 93634

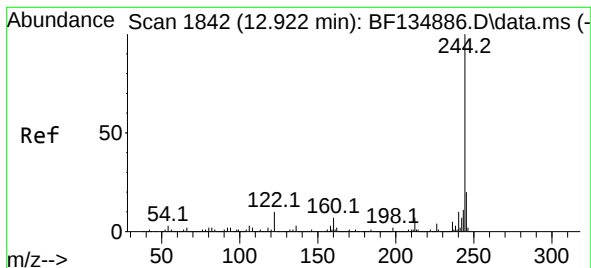
Ion Ratio Lower Upper

202 100

200 20.2 17.1 25.7

203 17.0 14.2 21.2





#79

Terphenyl-d14

Concen: 57.947 ng

RT: 12.915 min Scan# 1841

Delta R.T. -0.007 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

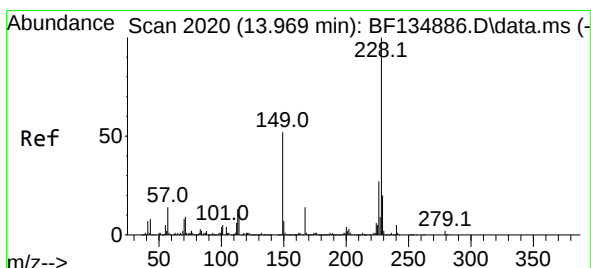
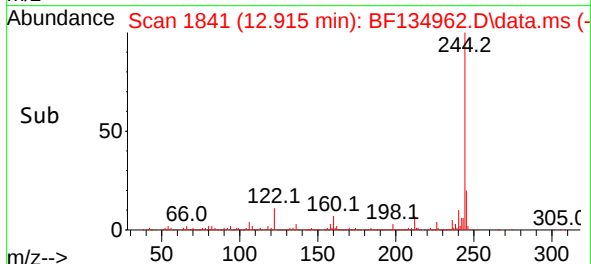
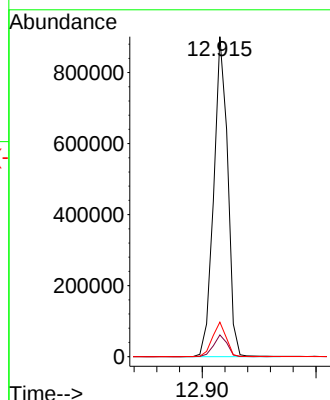
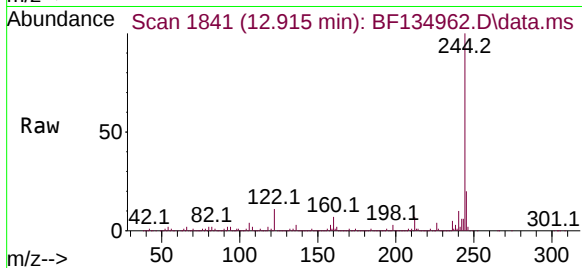
Tgt Ion:244 Resp: 770043

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 10.8 8.2 12.4



#81

Benzo(a)anthracene

Concen: 4.440 ng

RT: 13.962 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

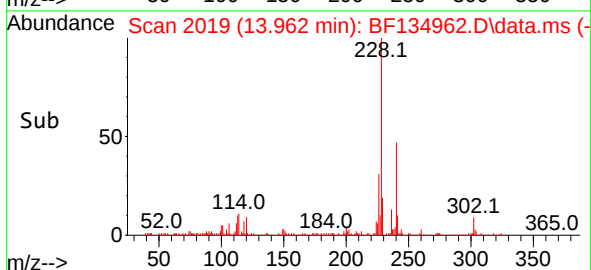
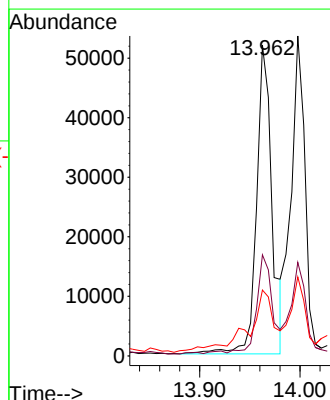
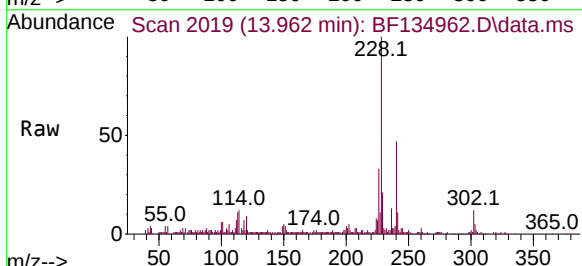
Tgt Ion:228 Resp: 55364

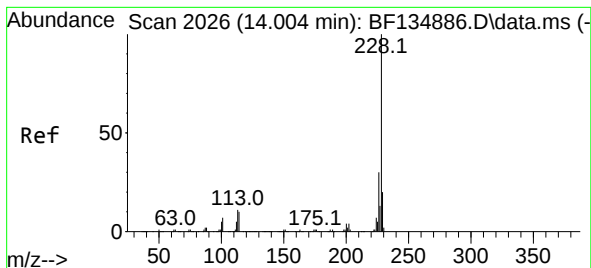
Ion Ratio Lower Upper

228 100

226 32.5 21.8 32.6

229 21.2 15.6 23.4





#83

Chrysene

Concen: 4.500 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.042 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

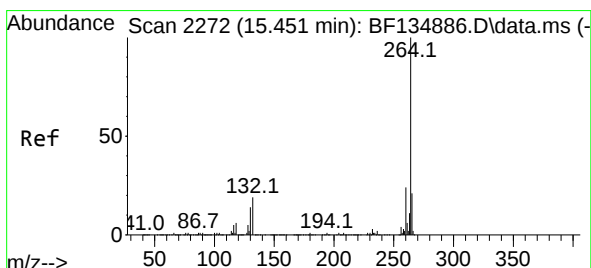
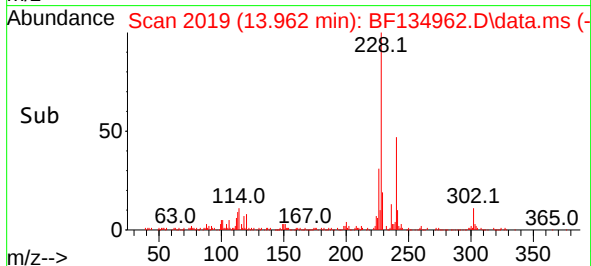
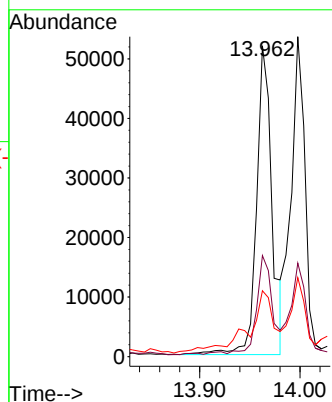
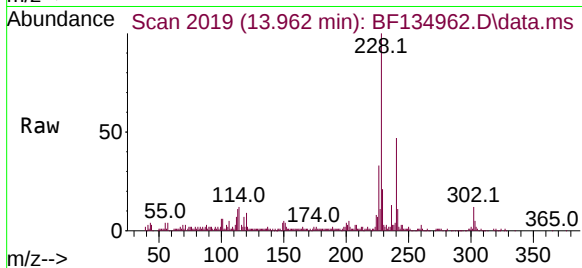
Tgt Ion:228 Resp: 55364

Ion Ratio Lower Upper

228 100

226 32.5 24.2 36.2

229 21.2 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.000 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

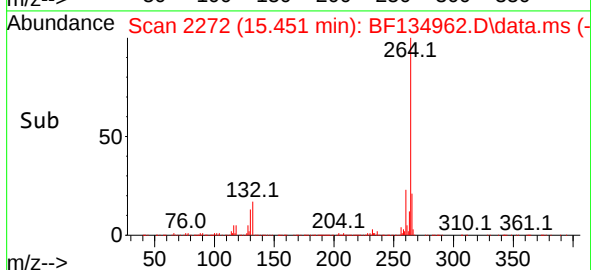
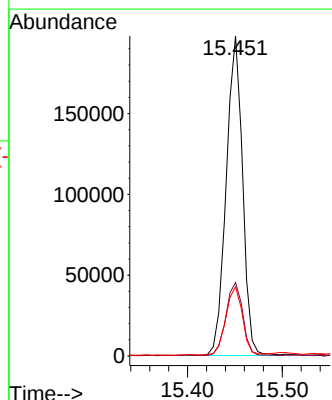
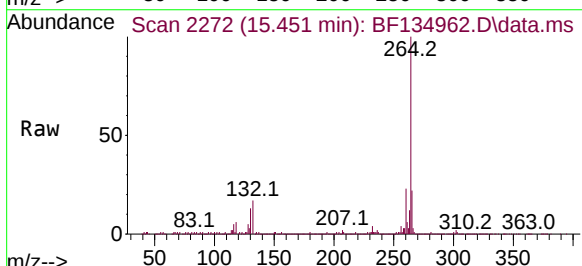
Tgt Ion:264 Resp: 237049

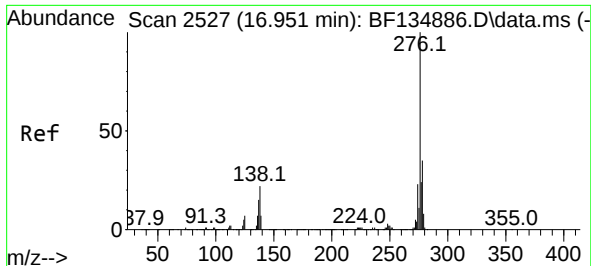
Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.6

265 21.6 17.1 25.7

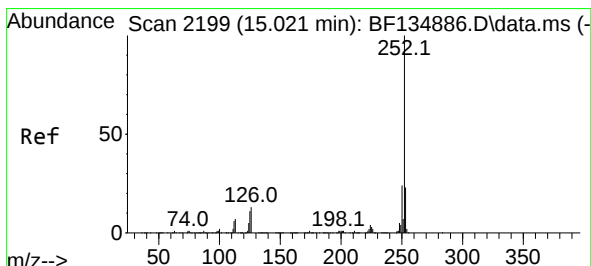
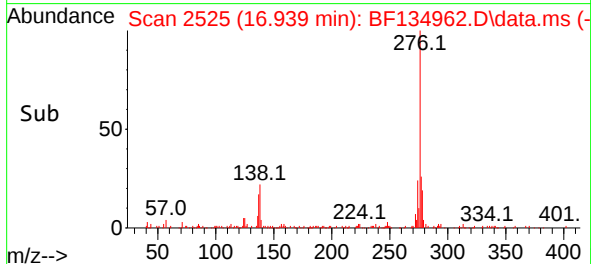
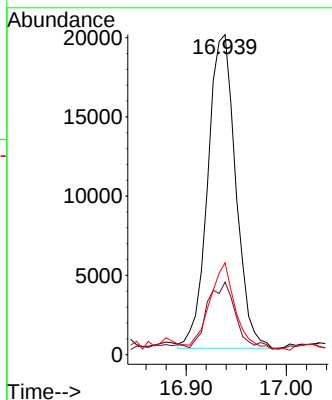
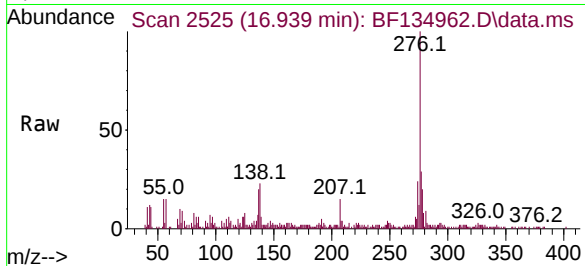




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.266 ng
 RT: 16.939 min Scan# 2198
 Delta R.T. -0.012 min
 Lab File: BF134962.D
 Acq: 28 Aug 2023 11:44

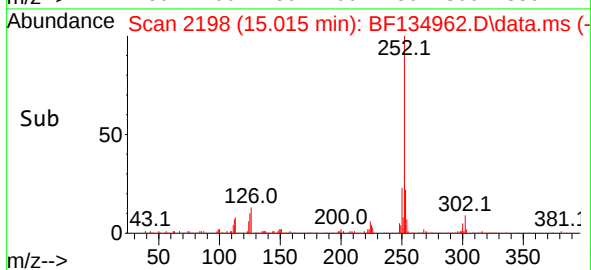
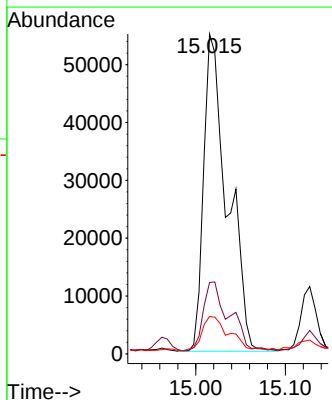
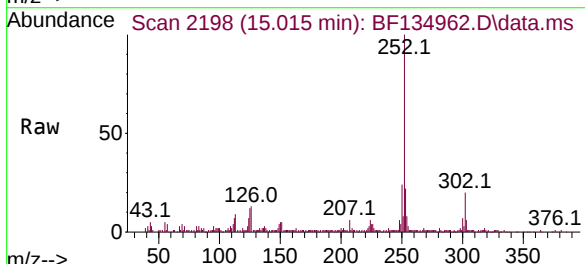
Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-23(0-1)

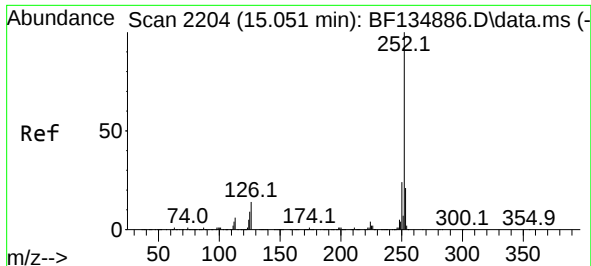
Tgt Ion:276 Resp: 38391
 Ion Ratio Lower Upper
 276 100
 138 22.0 19.7 29.5
 277 24.7 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 7.562 ng
 RT: 15.015 min Scan# 2198
 Delta R.T. -0.006 min
 Lab File: BF134962.D
 Acq: 28 Aug 2023 11:44

Tgt Ion:252 Resp: 101135
 Ion Ratio Lower Upper
 252 100
 253 22.3 18.1 27.1
 125 11.7 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 7.701 ng

RT: 15.015 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

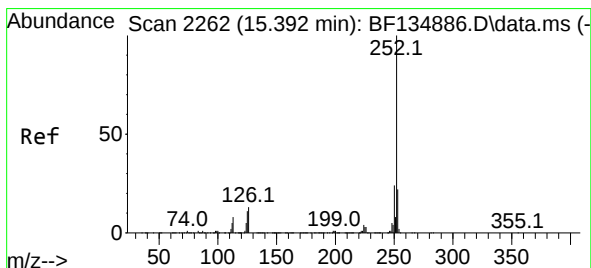
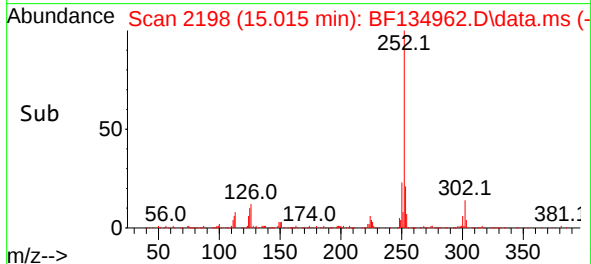
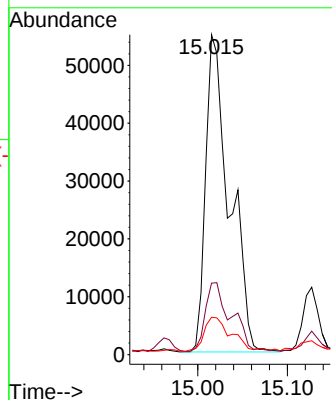
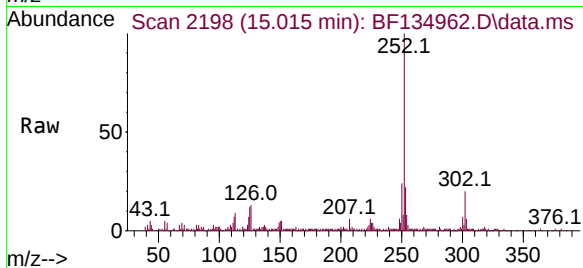
Tgt Ion:252 Resp: 101135

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

125 11.7 8.0 12.0



#90

Benzo(a)pyrene

Concen: 3.859 ng

RT: 15.386 min Scan# 2261

Delta R.T. -0.006 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

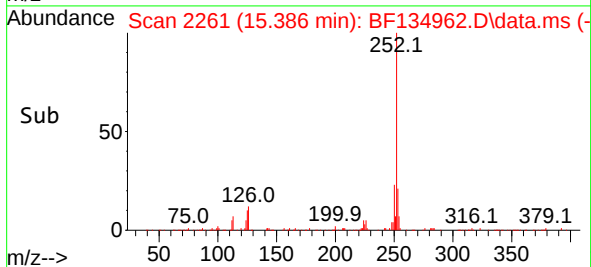
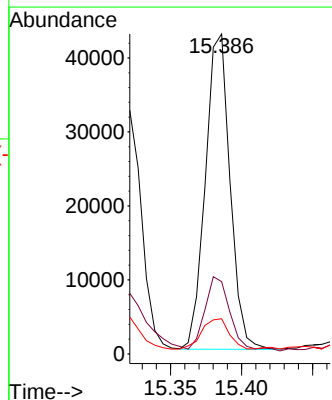
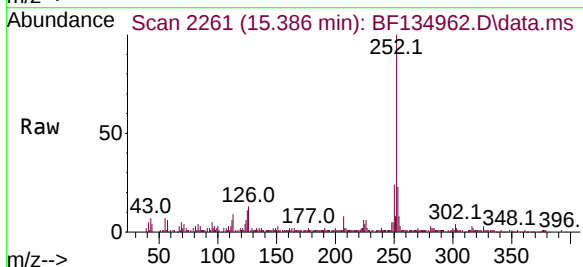
Tgt Ion:252 Resp: 51517

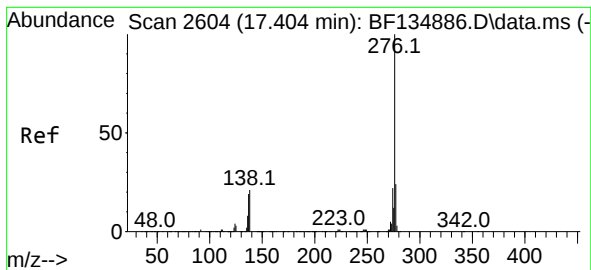
Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

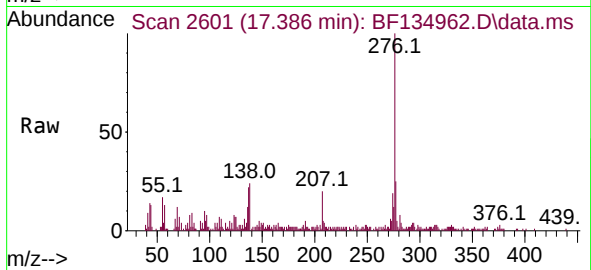
125 11.0 8.4 12.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.598 ng
 RT: 17.386 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF134962.D
 Acq: 28 Aug 2023 11:44

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



Tgt Ion:	276	Resp:	36457
Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.2	28.8
138	24.1	17.0	25.6

