

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
 Data File : BF136616.D
 Acq On : 18 Dec 2023 16:03
 Operator : CG\JU
 Sample : 05798-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Dec 18 16:43:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

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

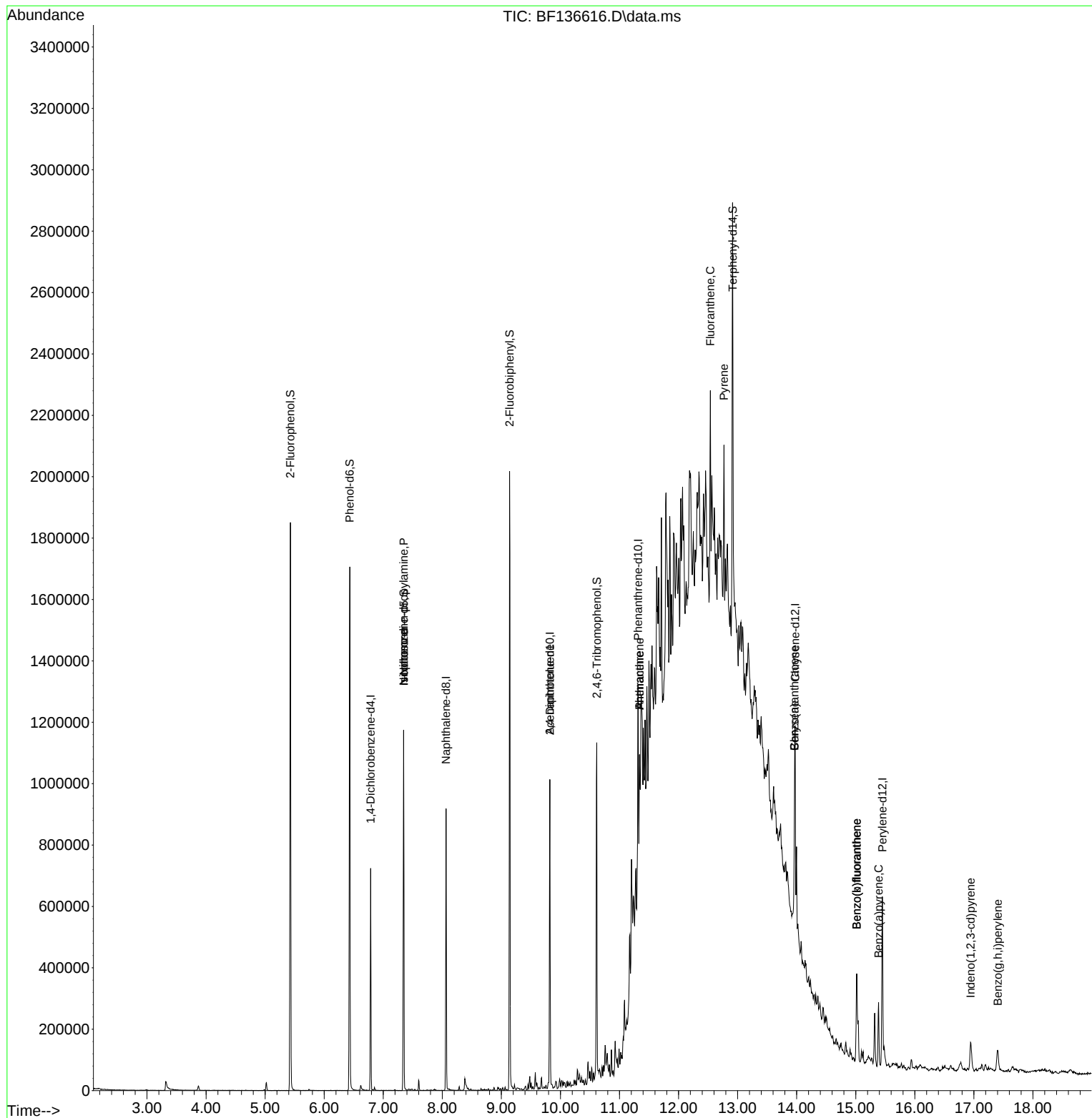
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	95211	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	367342	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	175583	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	267482	20.000	ng	0.00
76) Chrysene-d12	13.974	240	194715	20.000	ng	0.00
86) Perylene-d12	15.451	264	251249	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	479335	74.350	ng	0.00
7) Phenol-d6	6.434	99	586482	72.913	ng	0.00
23) Nitrobenzene-d5	7.345	82	353298	51.994	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	142999	66.052	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	646601	50.249	ng	0.00
79) Terphenyl-d14	12.916	244	484241	32.779	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.345	77	60	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.345	70	45485	9.803	ng	# 75
25) Isophorone	7.345	82	353291	28.939	ng	# 65
57) 2,4-Dinitrotoluene	9.822	165	22657	5.889	ng	# 29
71) Phenanthrene	11.339	178	92196	6.271	ng	98
72) Anthracene	11.339	178	92196	6.226	ng	97
75) Fluoranthene	12.539	202	187358	12.161	ng	93
77) Benzidine	12.669	184	489	Below Cal	#	1
78) Pyrene	12.769	202	162919	8.543	ng	96
81) Benzo(a)anthracene	13.963	228	95684	7.055	ng	99
83) Chrysene	13.963	228	95684	7.170	ng	96
87) Indeno(1,2,3-cd)pyrene	16.945	276	62122	3.559	ng	96
88) Benzo(b)fluoranthene	15.015	252	205393	11.956	ng	96
89) Benzo(k)fluoranthene	15.015	252	205393	12.687	ng	96
90) Benzo(a)pyrene	15.386	252	98194	6.921	ng	98
92) Benzo(g,h,i)perylene	17.404	276	57406	3.911	ng	98

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

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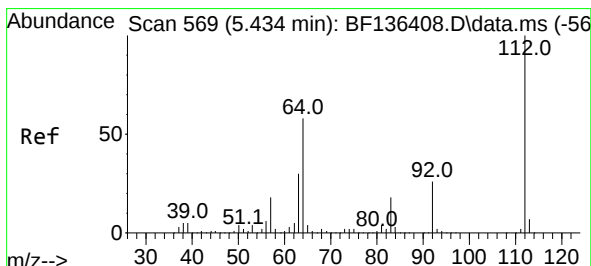
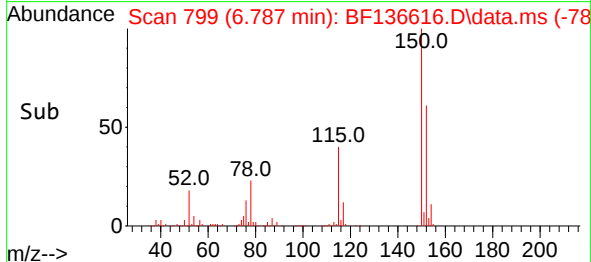
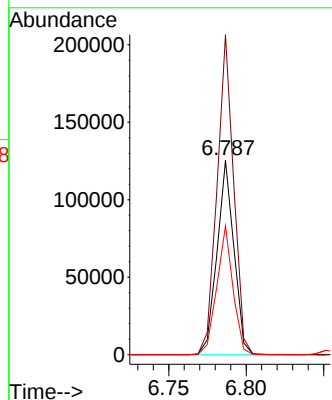
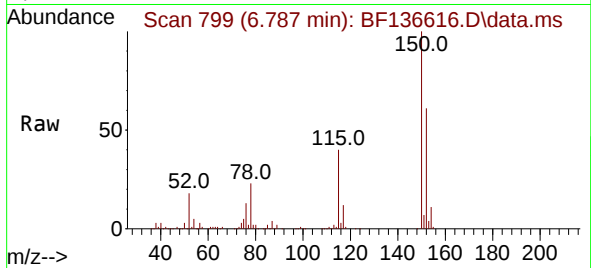




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

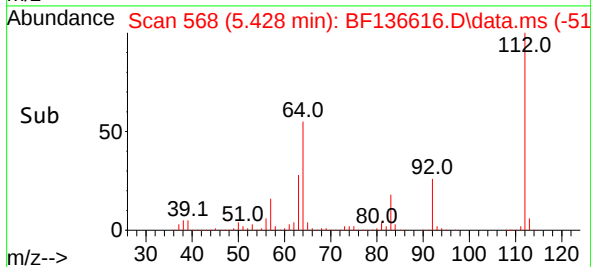
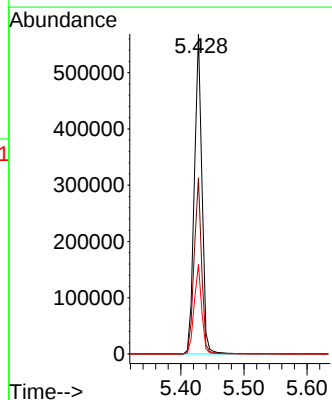
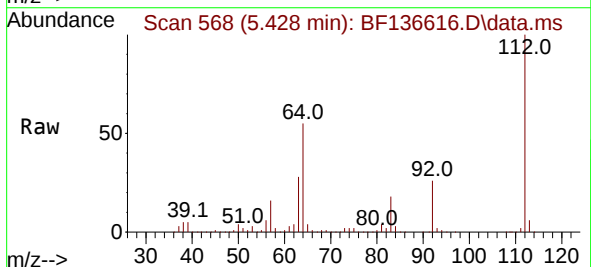
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:152 Resp: 95211
Ion Ratio Lower Upper
152 100
150 164.6 126.4 189.6
115 66.4 48.2 72.4



#5
2-Fluorophenol
Concen: 74.350 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

Tgt Ion:112 Resp: 479335
Ion Ratio Lower Upper
112 100
64 55.1 46.5 69.7
63 28.0 23.9 35.9





#7
Phenol-d6
Concen: 72.913 ng
RT: 6.434 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

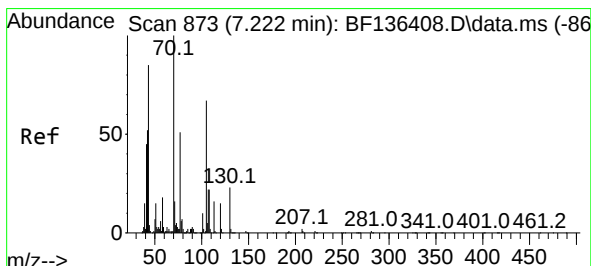
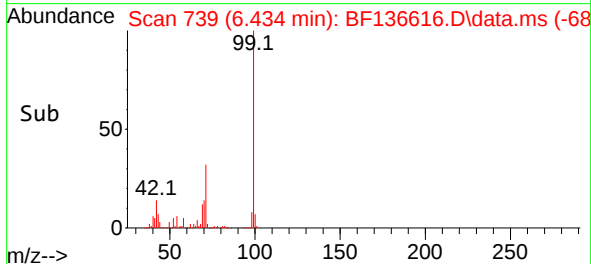
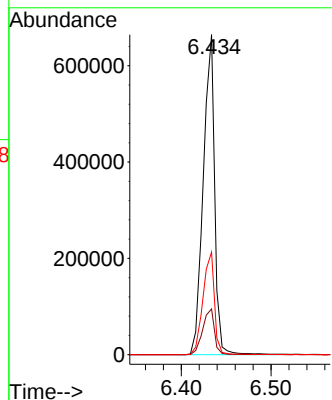
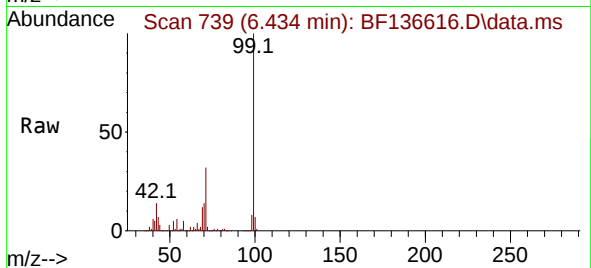
Instrument :

BNA_F

ClientSampleId :

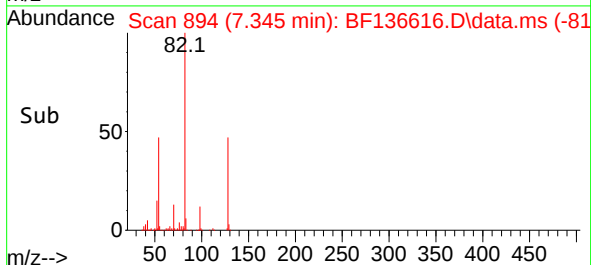
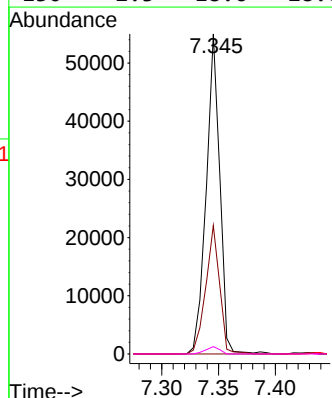
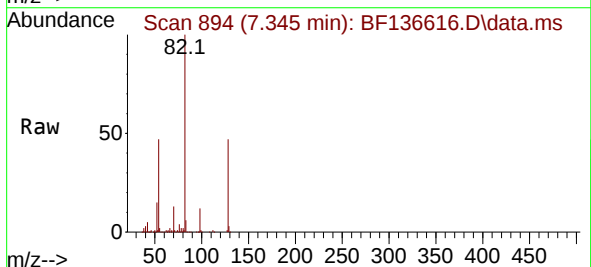
WC-1

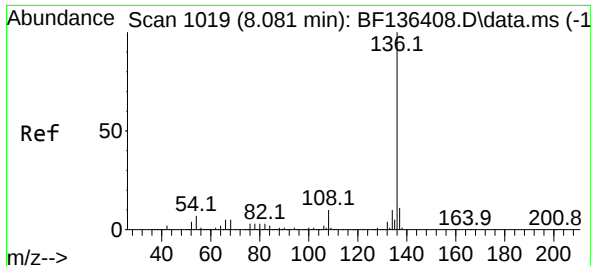
Tgt Ion: 99 Resp: 586482
Ion Ratio Lower Upper
99 100
42 14.3 12.8 19.2
71 32.0 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.803 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

Tgt Ion: 70 Resp: 45485
Ion Ratio Lower Upper
70 100
42 40.2 41.4 62.0#
101 0.0 8.2 12.4#
130 2.3 18.6 28.0#



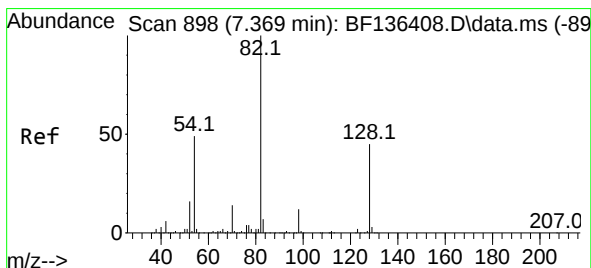
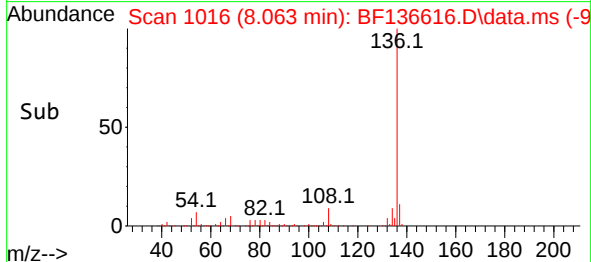
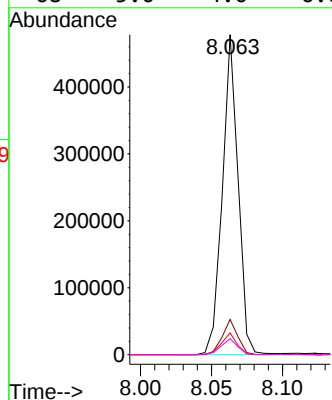
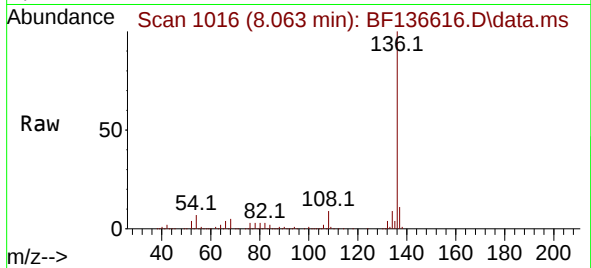


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 367342

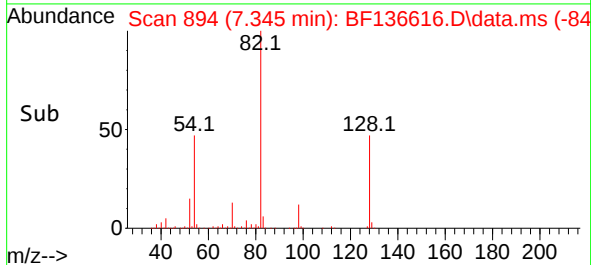
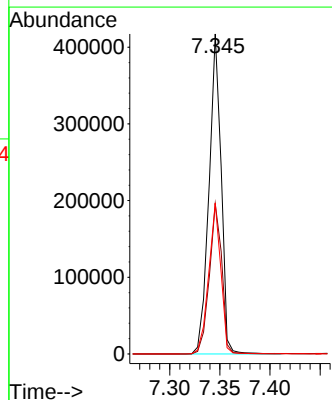
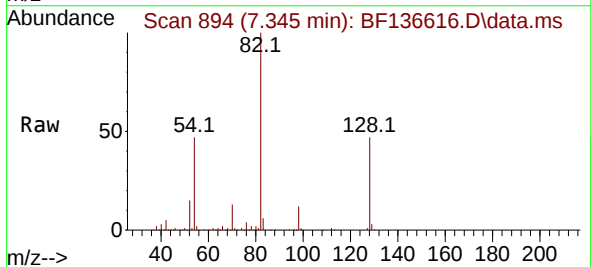
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	6.8	5.7	8.5
68	5.0	4.0	6.0

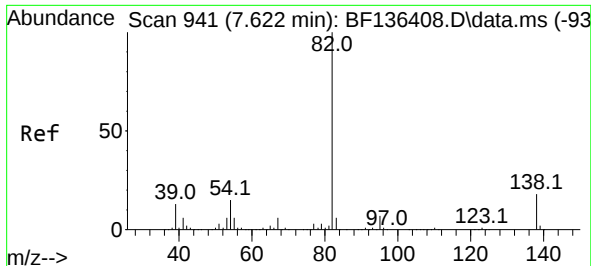


#23
Nitrobenzene-d5
Concen: 51.994 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

Tgt Ion: 82 Resp: 353298

Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.3	54.5
54	47.2	39.0	58.6

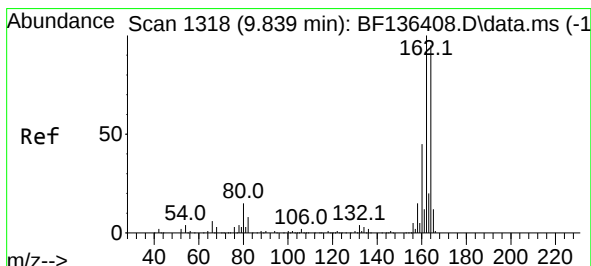
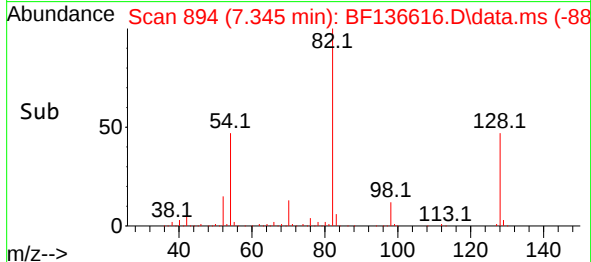
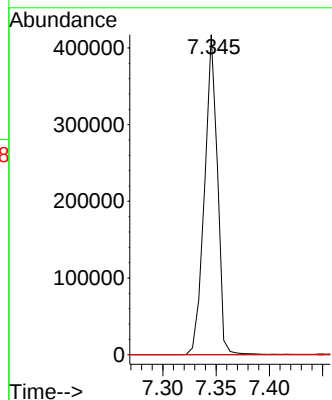
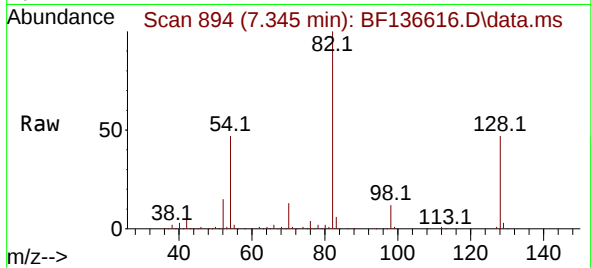




#25
Isophorone
Concen: 28.939 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

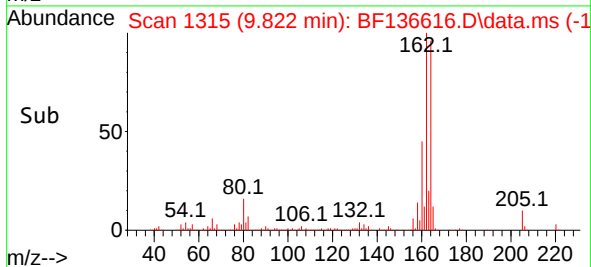
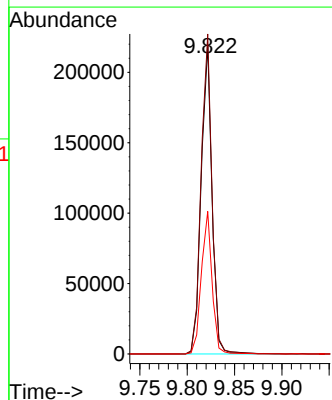
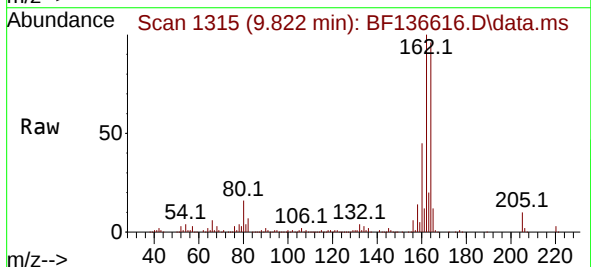
Instrument :
BNA_F
Client SampleId :
WC-1

Tgt Ion: 82 Resp: 353291
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

Tgt Ion:164 Resp: 175583
Ion Ratio Lower Upper
164 100
162 103.8 84.4 126.6
160 46.2 37.6 56.4

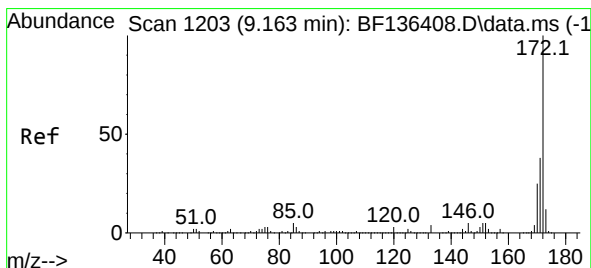
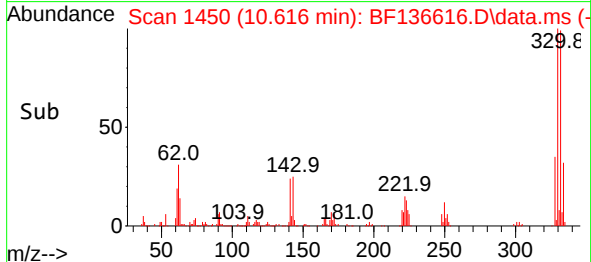
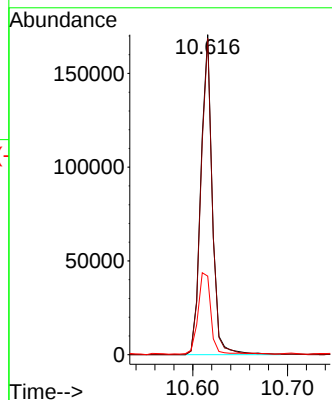
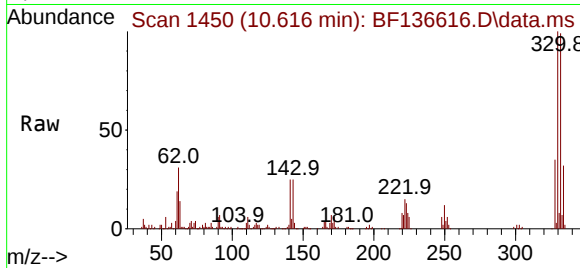




#42
 2,4,6-Tribromophenol
 Concen: 66.052 ng
 RT: 10.616 min Scan# 1453
 Delta R.T. -0.006 min
 Lab File: BF136616.D
 Acq: 18 Dec 2023 16:03

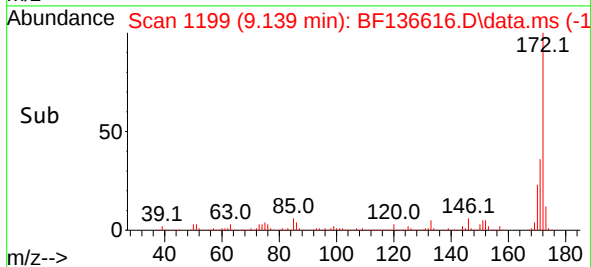
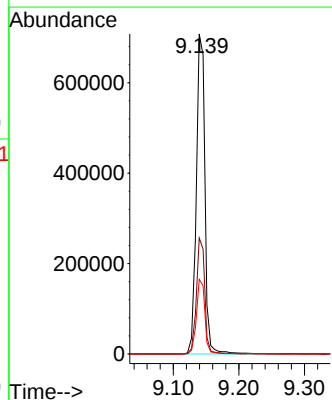
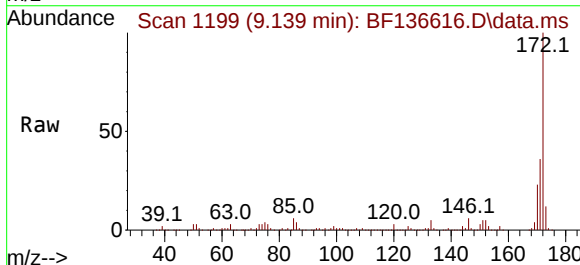
Instrument :
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 ClientSampleId :
 WC-1

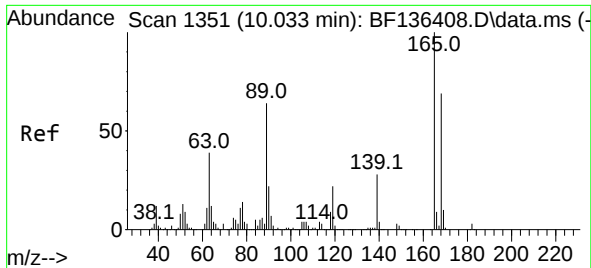
Tgt Ion:330 Resp: 142999
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.4 114.6
 141 29.1 23.4 35.2



#45
 2-Fluorobiphenyl
 Concen: 50.249 ng
 RT: 9.139 min Scan# 1199
 Delta R.T. -0.006 min
 Lab File: BF136616.D
 Acq: 18 Dec 2023 16:03

Tgt Ion:172 Resp: 646601
 Ion Ratio Lower Upper
 172 100
 171 36.2 30.5 45.7
 170 23.3 19.9 29.9

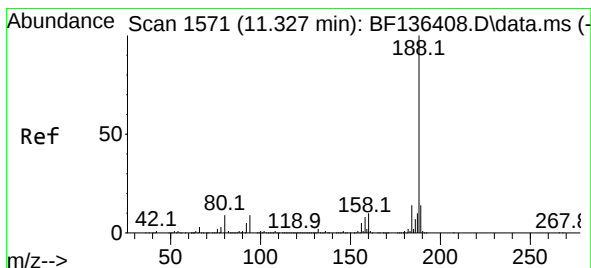
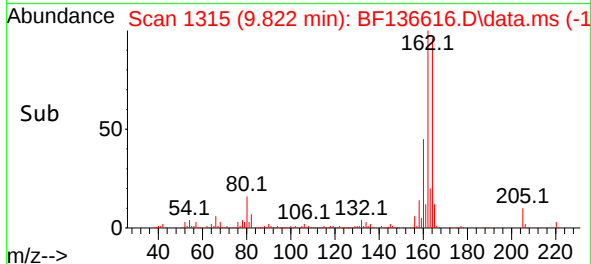
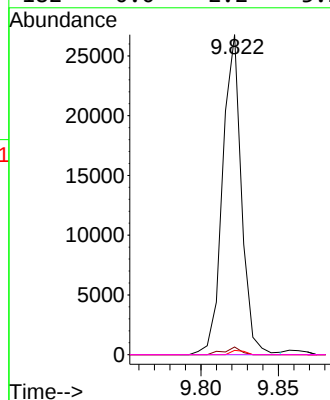
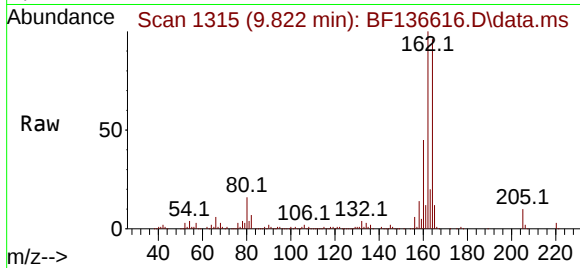




#57
2,4-Dinitrotoluene
Concen: 5.889 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

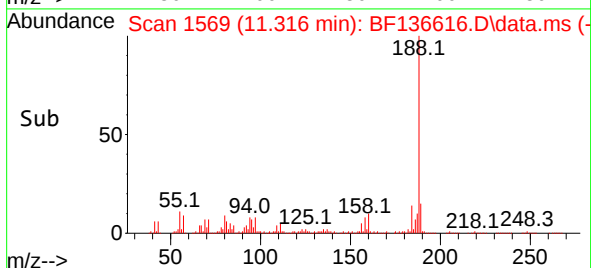
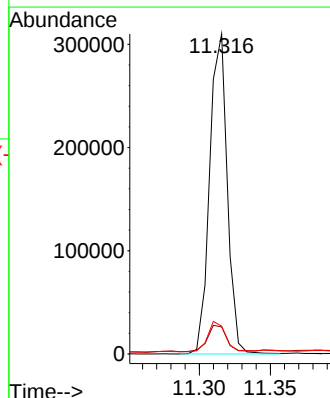
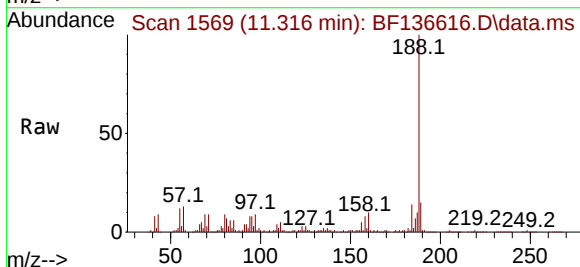
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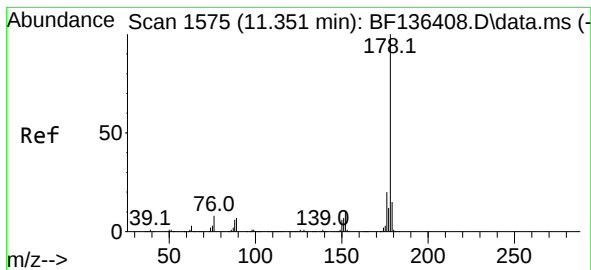
Tgt Ion:165 Resp: 22657
Ion Ratio Lower Upper
165 100
63 2.4 31.4 47.2#
89 1.4 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

Tgt Ion:188 Resp: 267482
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 8.7 7.2 10.8





#71

Phenanthrene

Concen: 6.271 ng

RT: 11.339 min Scan# 1573

Delta R.T. 0.000 min

Lab File: BF136616.D

Acq: 18 Dec 2023 16:03

Instrument :

BNA_F

ClientSampleId :

WC-1

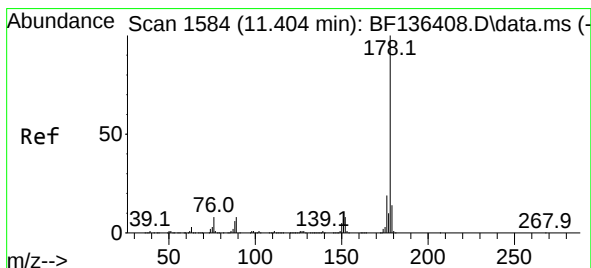
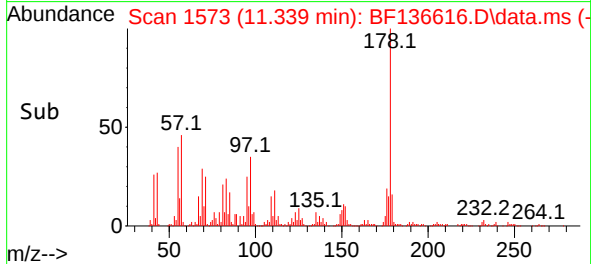
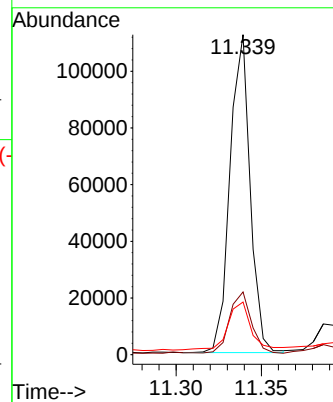
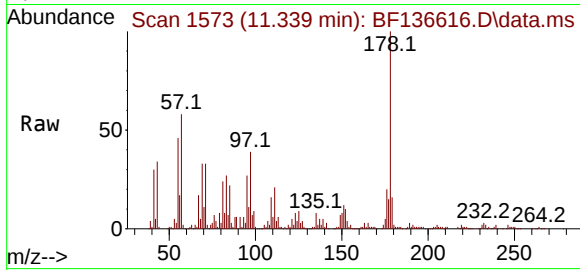
Tgt Ion:178 Resp: 92196

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

179 16.5 11.8 17.6



#72

Anthracene

Concen: 6.226 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.053 min

Lab File: BF136616.D

Acq: 18 Dec 2023 16:03

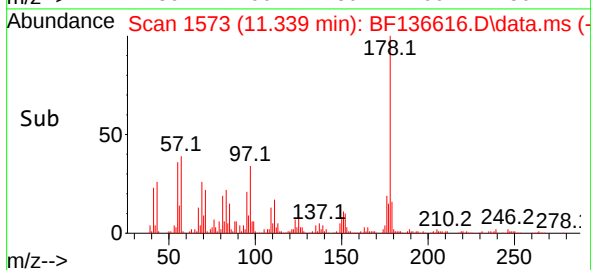
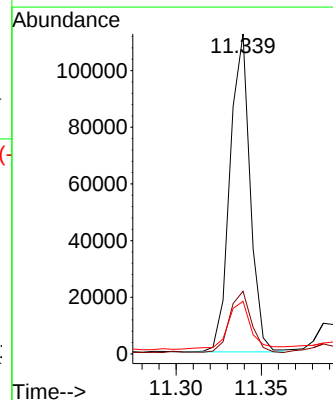
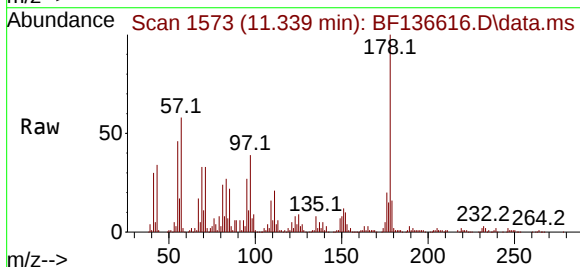
Tgt Ion:178 Resp: 92196

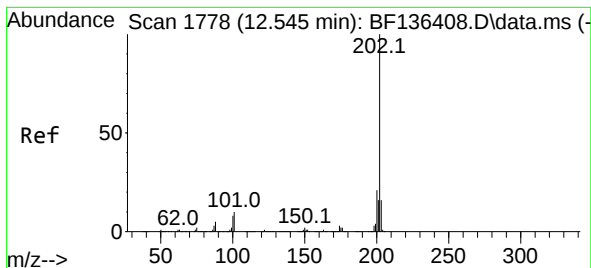
Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

179 16.5 11.4 17.0





#75

Fluoranthene

Concen: 12.161 ng

RT: 12.539 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF136616.D

Acq: 18 Dec 2023 16:03

Instrument :

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WC-1

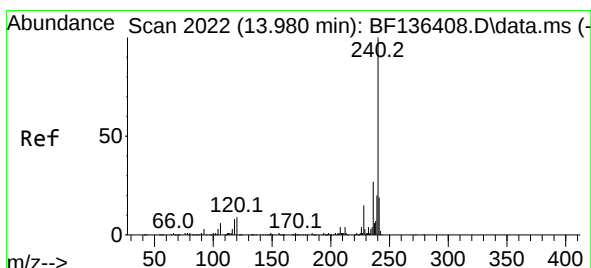
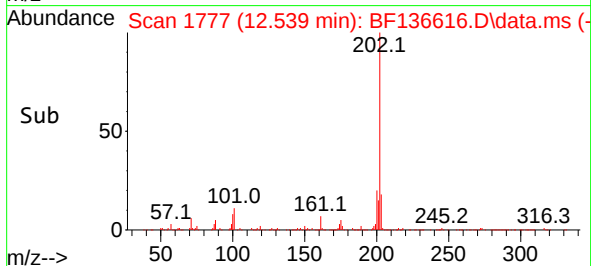
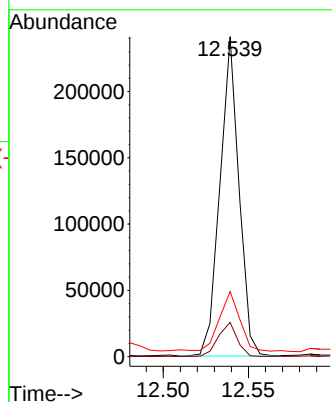
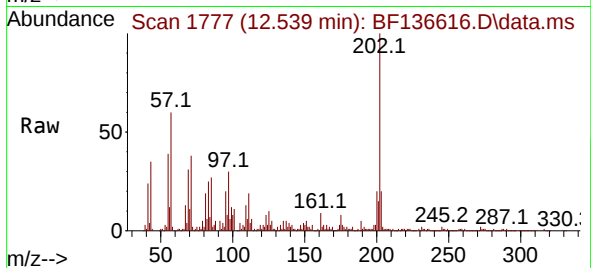
Tgt Ion:202 Resp: 187358

Ion Ratio Lower Upper

202 100

101 10.7 0.0 29.9

203 20.4 0.0 36.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.006 min

Lab File: BF136616.D

Acq: 18 Dec 2023 16:03

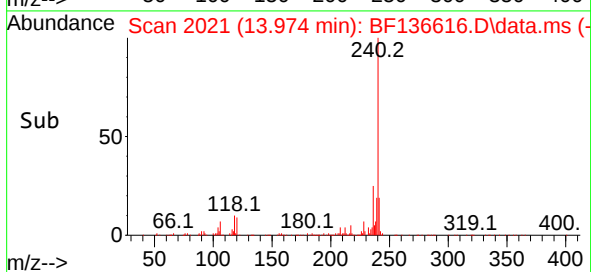
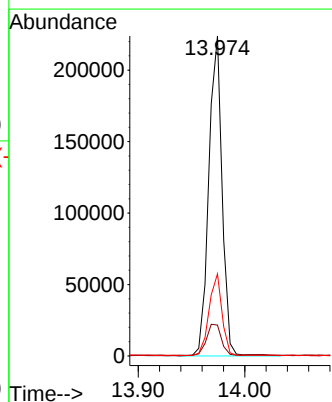
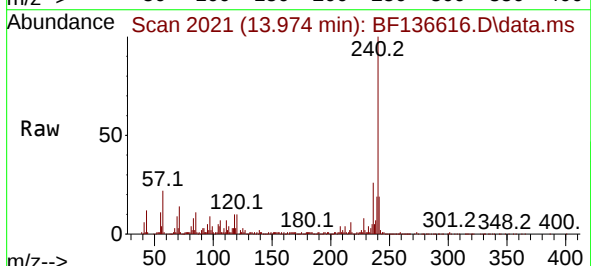
Tgt Ion:240 Resp: 194715

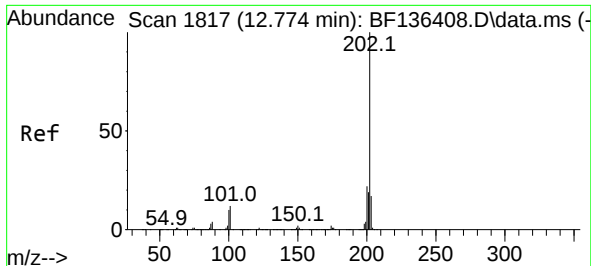
Ion Ratio Lower Upper

240 100

120 9.6 7.3 10.9

236 25.6 21.3 31.9

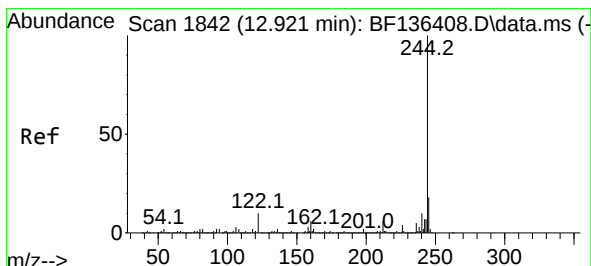
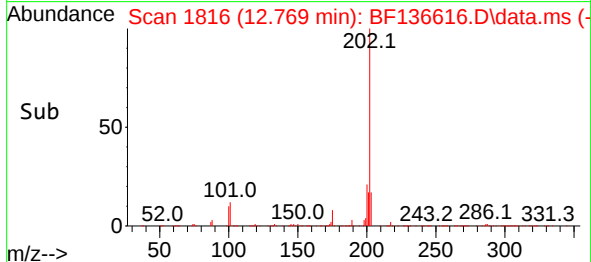
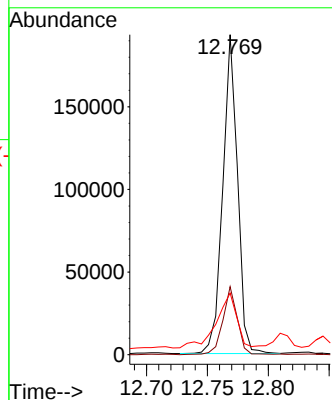
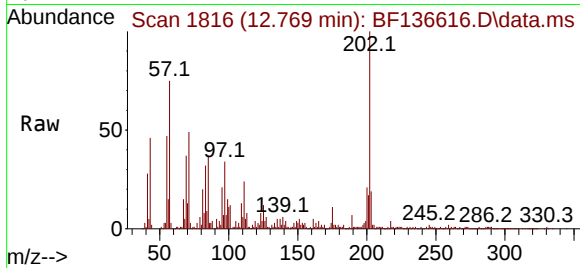




#78
Pyrene
Concen: 8.543 ng
RT: 12.769 min Scan# 1816
Delta R.T. 0.006 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

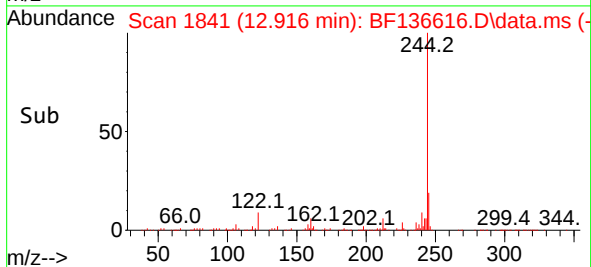
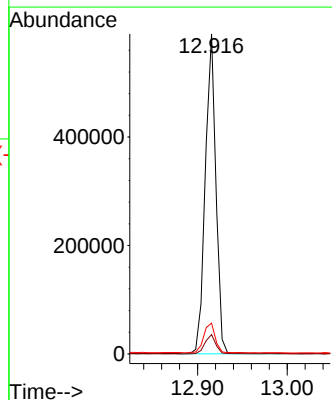
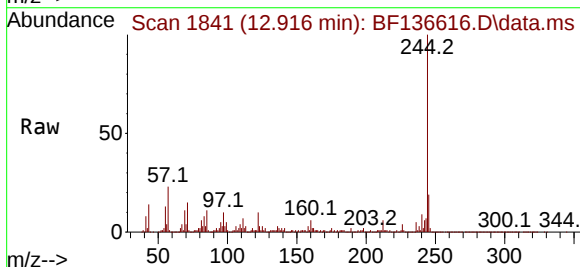
Instrument :
BNA_F
ClientSampleId :
WC-1

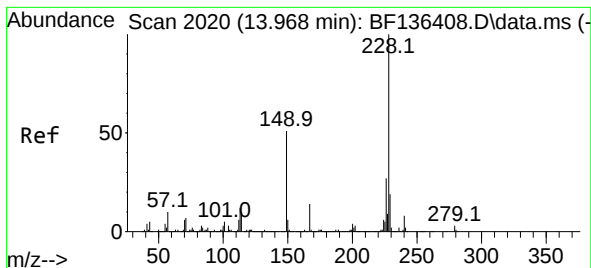
Tgt Ion:202 Resp: 162919
Ion Ratio Lower Upper
202 100
200 21.2 18.0 27.0
203 19.3 13.5 20.3



#79
Terphenyl-d14
Concen: 32.779 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.006 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

Tgt Ion:244 Resp: 484241
Ion Ratio Lower Upper
244 100
212 6.1 5.0 7.4
122 9.7 8.3 12.5





#81

Benzo(a)anthracene

Concen: 7.055 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.006 min

Lab File: BF136616.D

Acq: 18 Dec 2023 16:03

Instrument :

BNA_F

ClientSampleId :

WC-1

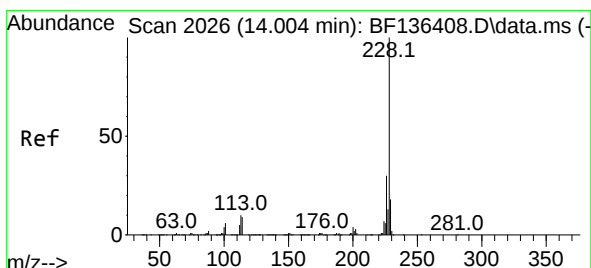
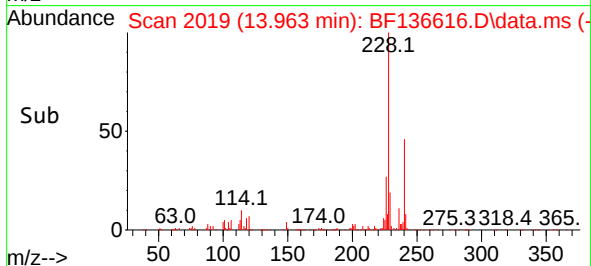
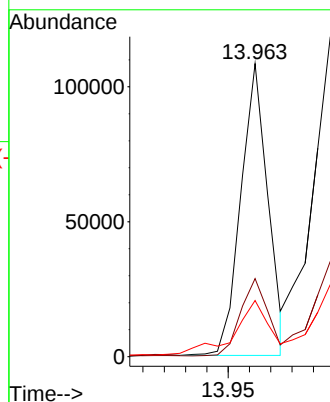
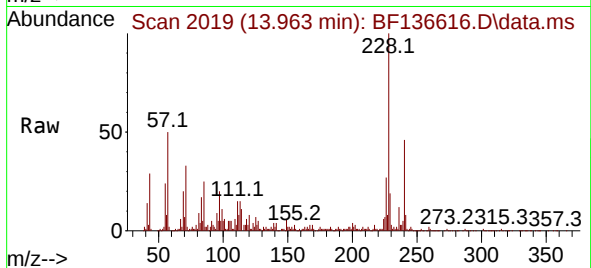
Tgt Ion:228 Resp: 95684

Ion Ratio Lower Upper

228 100

226 26.6 21.8 32.8

229 19.2 15.0 22.4



#83

Chrysene

Concen: 7.170 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.029 min

Lab File: BF136616.D

Acq: 18 Dec 2023 16:03

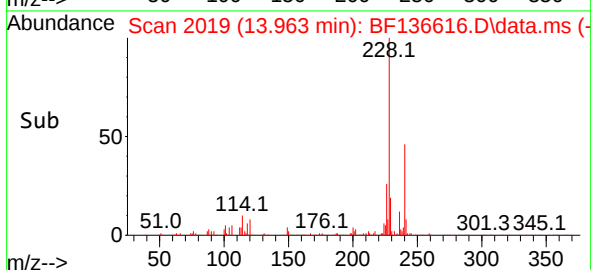
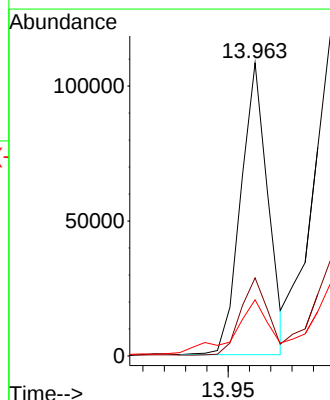
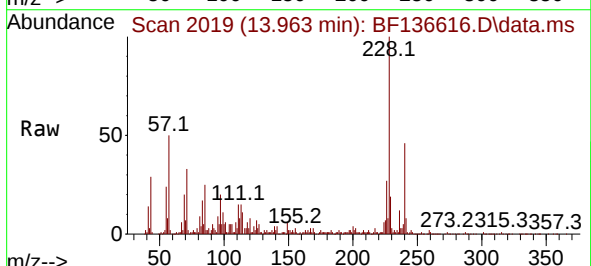
Tgt Ion:228 Resp: 95684

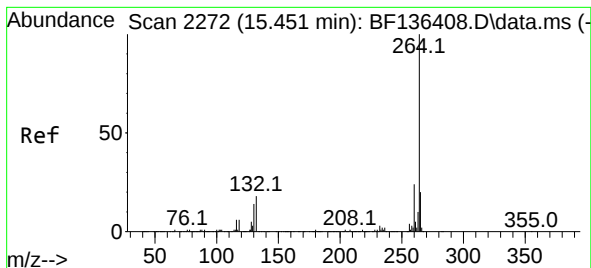
Ion Ratio Lower Upper

228 100

226 26.6 23.8 35.6

229 19.2 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF136616.D

Acq: 18 Dec 2023 16:03

Instrument :

BNA_F

ClientSampleId :

WC-1

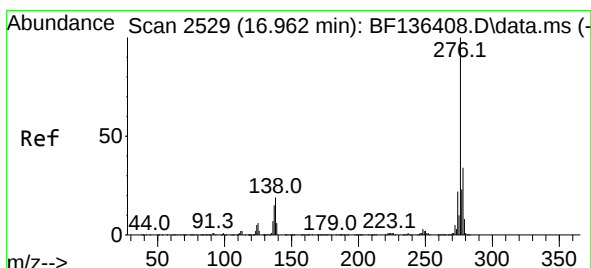
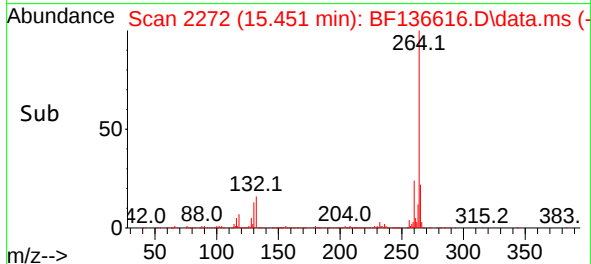
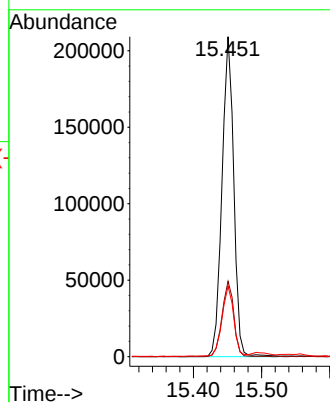
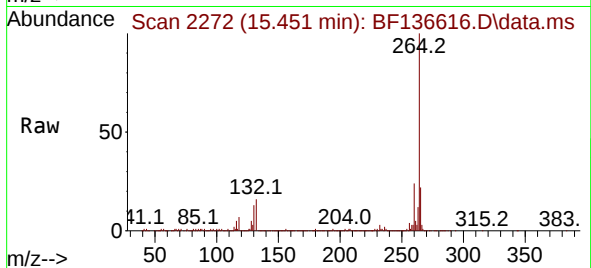
Tgt Ion:264 Resp: 251249

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.0 15.9 23.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.559 ng

RT: 16.945 min Scan# 2526

Delta R.T. 0.000 min

Lab File: BF136616.D

Acq: 18 Dec 2023 16:03

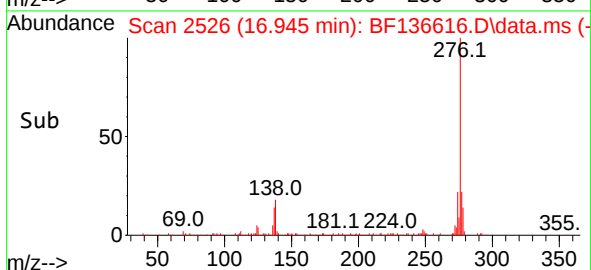
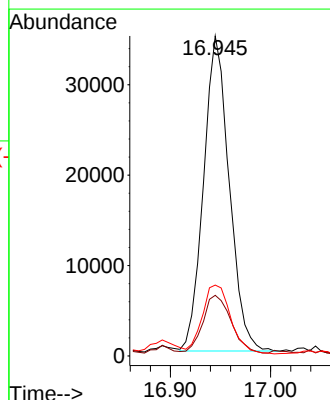
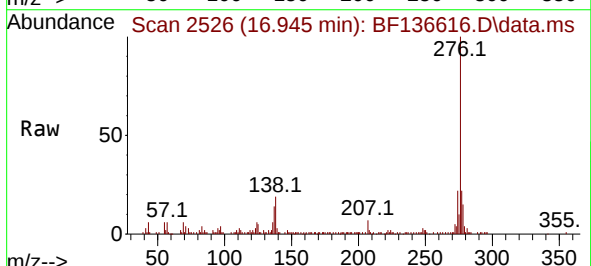
Tgt Ion:276 Resp: 62122

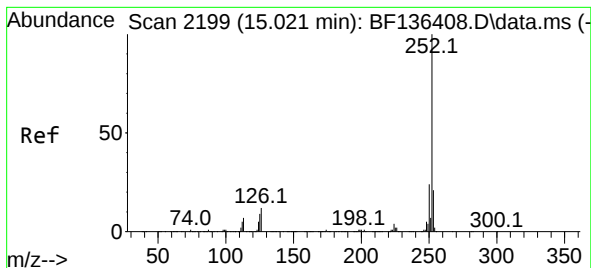
Ion Ratio Lower Upper

276 100

138 20.1 19.0 28.4

277 24.4 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 11.956 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF136616.D

Acq: 18 Dec 2023 16:03

Instrument :

BNA_F

ClientSampleId :

WC-1

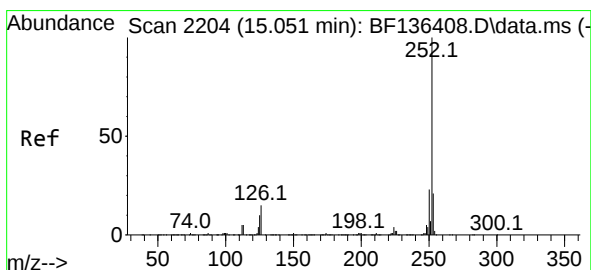
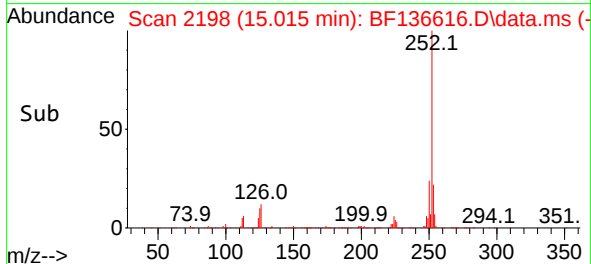
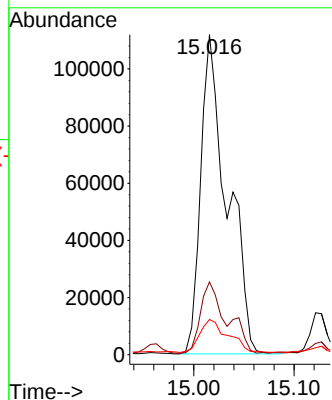
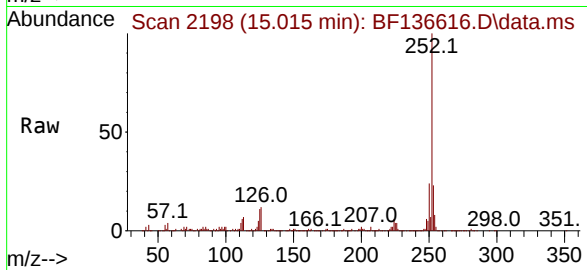
Tgt Ion:252 Resp: 205393

Ion Ratio Lower Upper

252 100

253 22.7 16.9 25.3

125 11.0 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 12.687 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.023 min

Lab File: BF136616.D

Acq: 18 Dec 2023 16:03

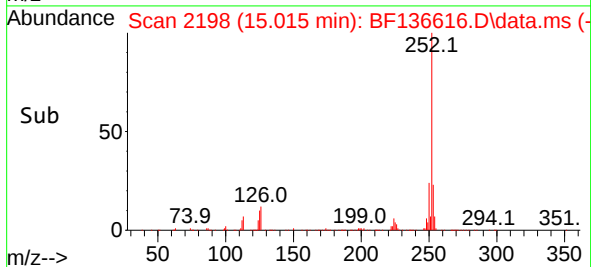
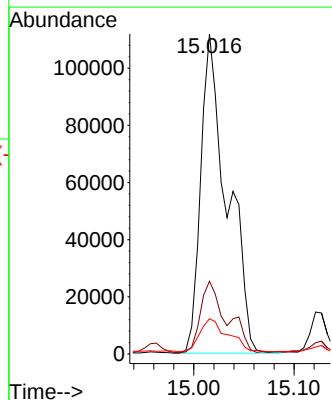
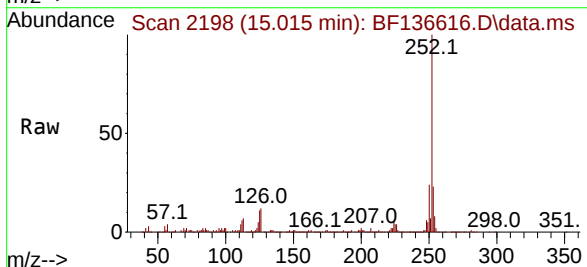
Tgt Ion:252 Resp: 205393

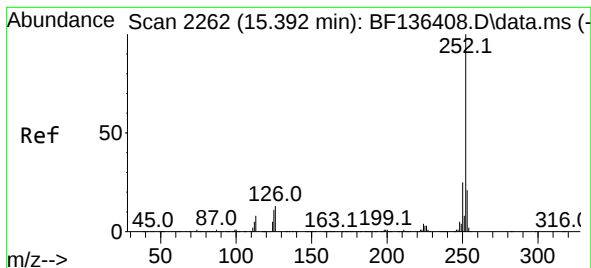
Ion Ratio Lower Upper

252 100

253 22.7 16.9 25.3

125 11.0 7.5 11.3





#90

Benzo(a)pyrene

Concen: 6.921 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136616.D

Acq: 18 Dec 2023 16:03

Instrument :

BNA_F

ClientSampleId :

WC-1

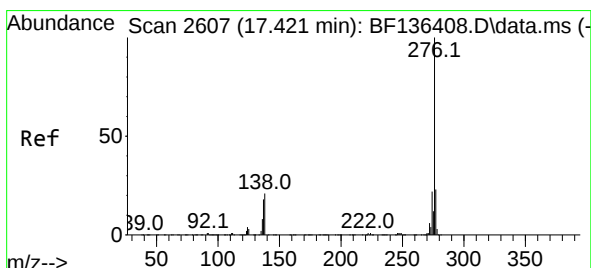
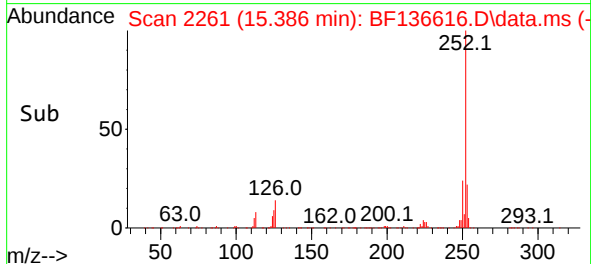
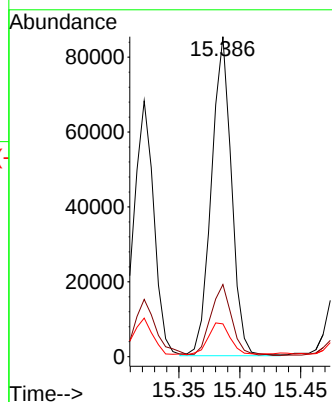
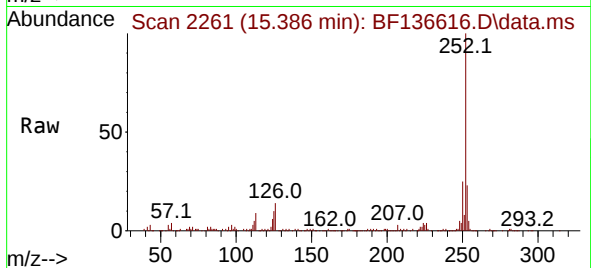
Tgt Ion:252 Resp: 98194

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.4

125 10.2 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 3.911 ng

RT: 17.404 min Scan# 2604

Delta R.T. 0.000 min

Lab File: BF136616.D

Acq: 18 Dec 2023 16:03

Tgt Ion:276 Resp: 57406

Ion Ratio Lower Upper

276 100

277 24.7 18.7 28.1

138 20.3 16.6 25.0

