

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
 Data File : BF136436.D
 Acq On : 06 Dec 2023 19:20
 Operator : CG\JU
 Sample : 05446-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 00:54:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

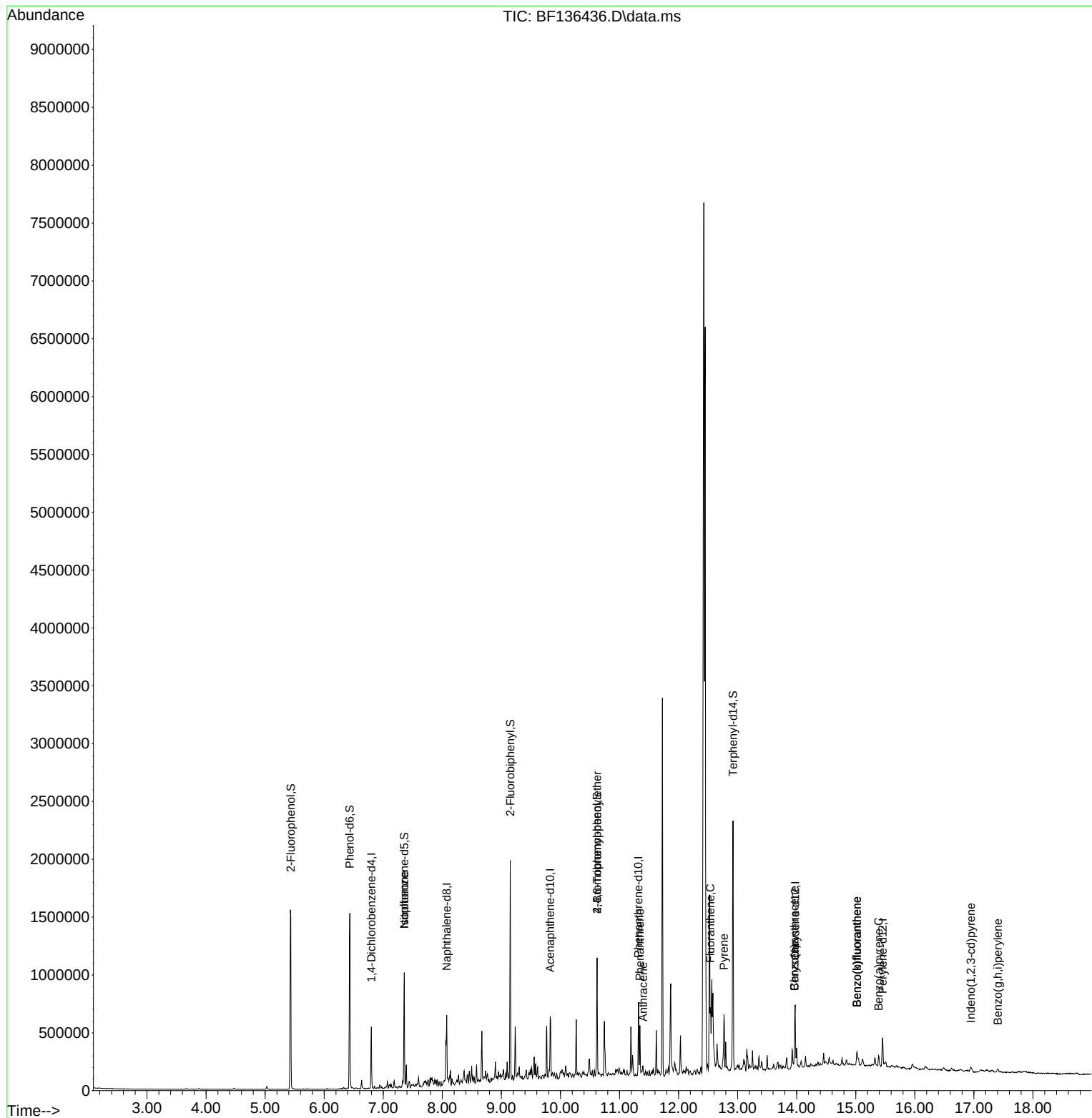
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	72528	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	230228	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	104237	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	216109	20.000	ng	0.00
76) Chrysene-d12	13.974	240	149667	20.000	ng	0.00
86) Perylene-d12	15.457	264	123128	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	460318	93.731	ng	0.00
7) Phenol-d6	6.434	99	521766	85.154	ng	-0.01
23) Nitrobenzene-d5	7.357	82	286258	67.217	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	125413	97.579	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	496712	65.021	ng	-0.01
79) Terphenyl-d14	12.921	244	710310	62.554	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	330	Below Cal	#	1
25) Isophorone	7.357	82	286258	37.413	ng	# 65
67) 4-Bromophenyl-phenylether	10.622	248	7494	2.983	ng	# 1
71) Phenanthrene	11.345	178	144723	12.184	ng	99
72) Anthracene	11.398	178	31370	2.622	ng	96
75) Fluoranthene	12.539	202	214146	17.203	ng	98
77) Benzidine	12.674	184	713	Below Cal	#	1
78) Pyrene	12.768	202	191319	13.052	ng	97
81) Benzo(a)anthracene	13.963	228	77029	7.389	ng	98
83) Chrysene	13.963	228	77029	7.510	ng	95
87) Indeno(1,2,3-cd)pyrene	16.951	276	23529	2.751	ng	96
88) Benzo(b)fluoranthene	15.021	252	84648	10.055	ng	# 93
89) Benzo(k)fluoranthene	15.021	252	84648	10.669	ng	# 93
90) Benzo(a)pyrene	15.386	252	43930	6.319	ng	# 93
92) Benzo(g,h,i)perylene	17.403	276	25343	3.523	ng	93

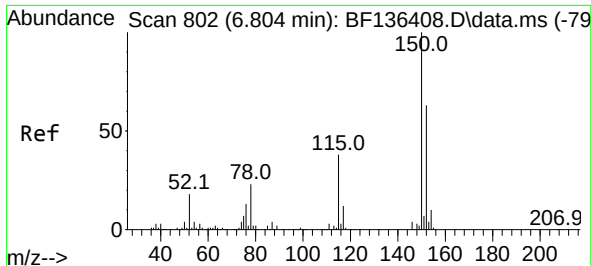
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
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Instrument :
BNA_F
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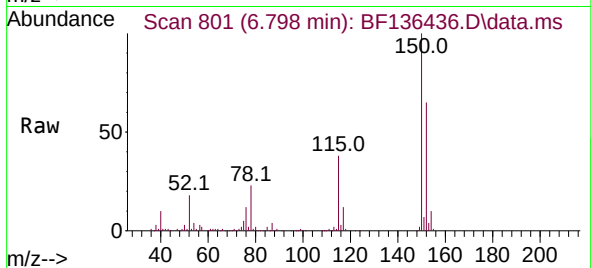
Quant Time: Dec 07 00:54:48 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
Response via : Initial Calibration



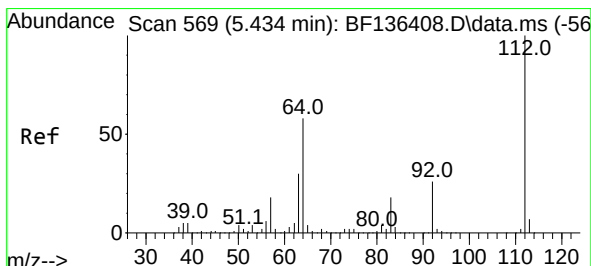
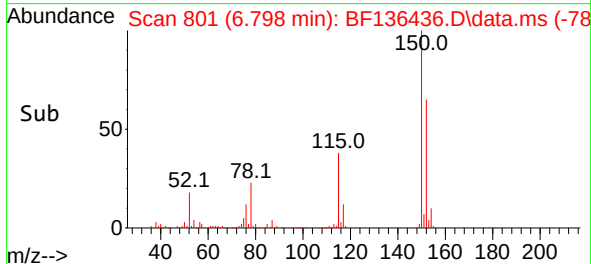
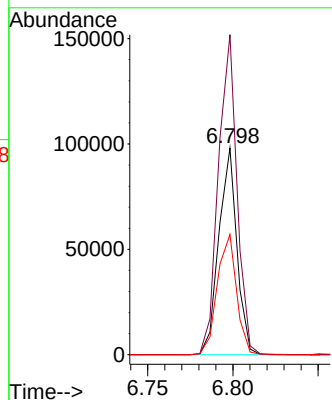


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

Instrument :
BNA_F
ClientSampleId :

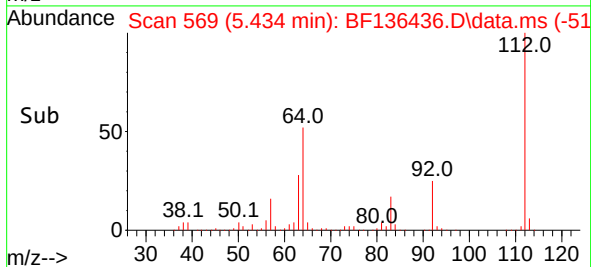
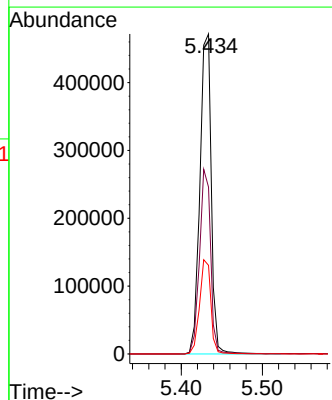
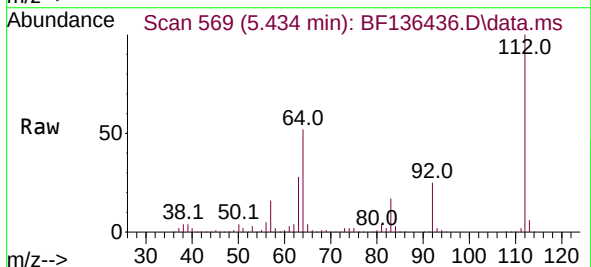


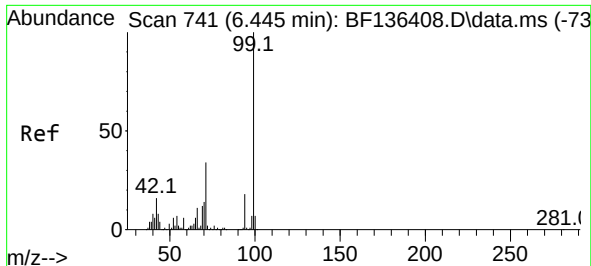
Tgt Ion:152 Resp: 72528
Ion Ratio Lower Upper
152 100
150 154.8 126.4 189.6
115 58.2 48.2 72.4



#5
2-Fluorophenol
Concen: 93.731 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.000 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

Tgt Ion:112 Resp: 460318
Ion Ratio Lower Upper
112 100
64 52.2 46.5 69.7
63 27.7 23.9 35.9

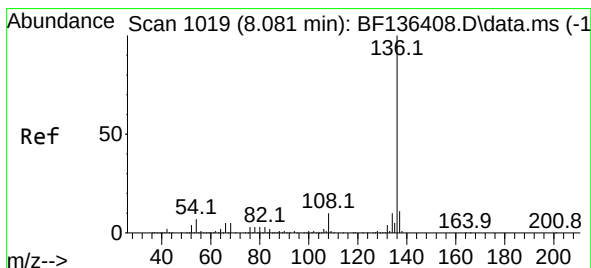
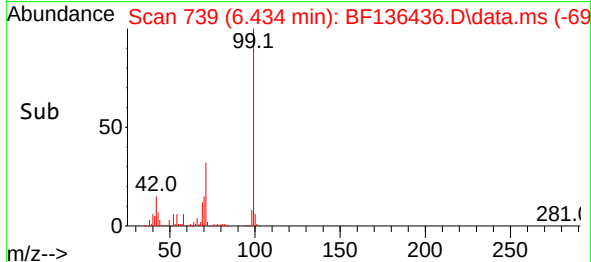
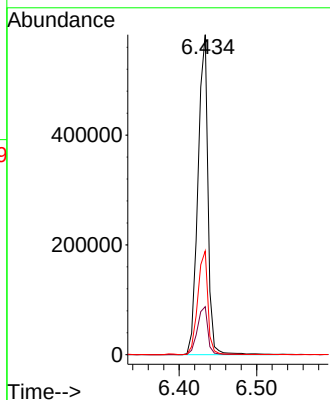
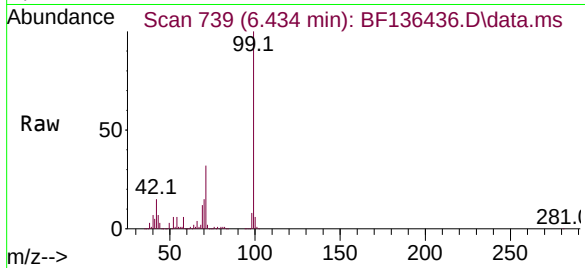




#7
Phenol-d6
Concen: 85.154 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

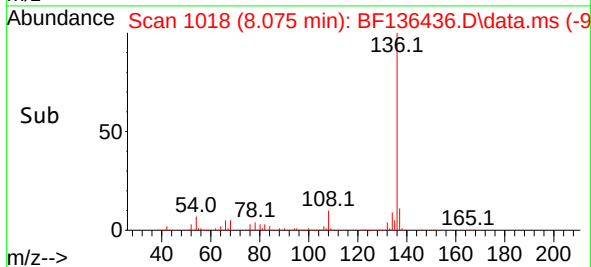
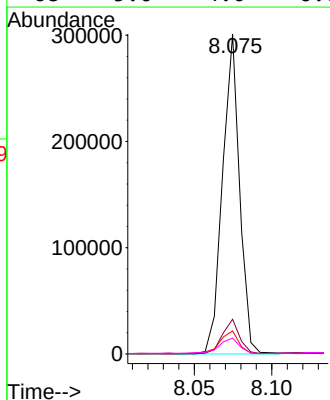
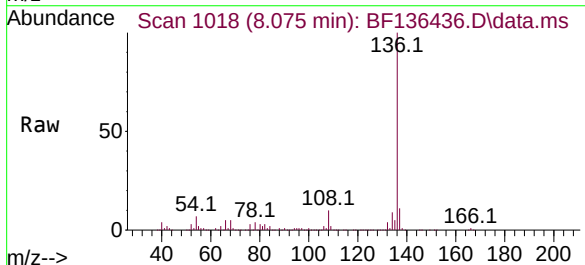
Instrument :
BNA_F
ClientSampleId :

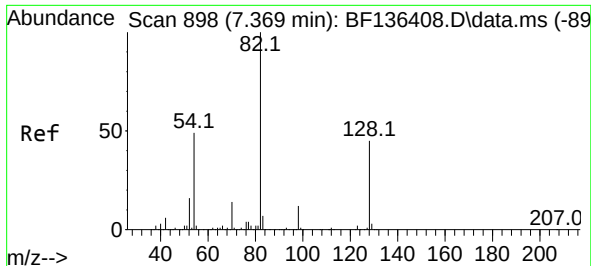
Tgt Ion: 99 Resp: 521766
Ion Ratio Lower Upper
99 100
42 15.0 12.8 19.2
71 32.4 27.0 40.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

Tgt Ion: 136 Resp: 230228
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.2 5.7 8.5
68 5.0 4.0 6.0

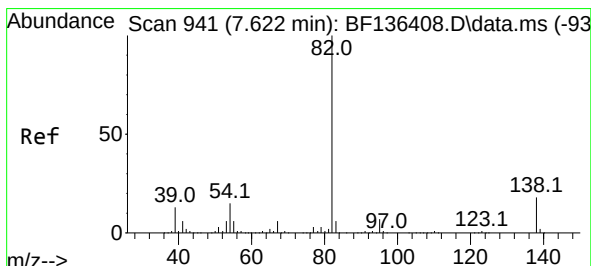
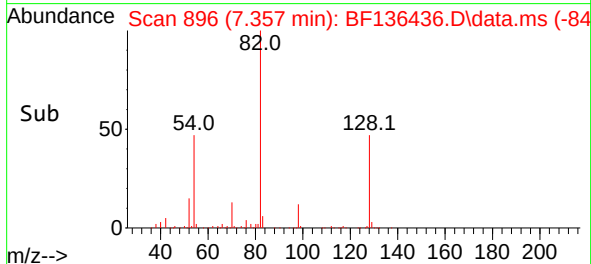
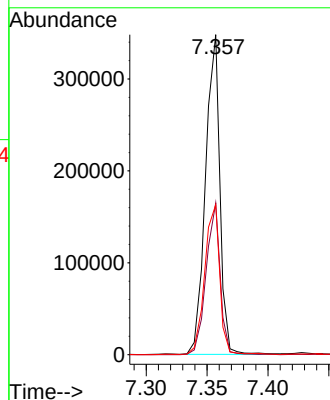
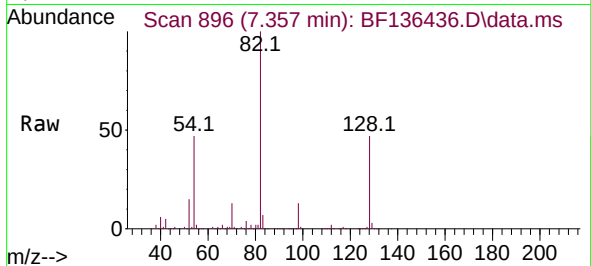




#23
Nitrobenzene-d5
Concen: 67.217 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

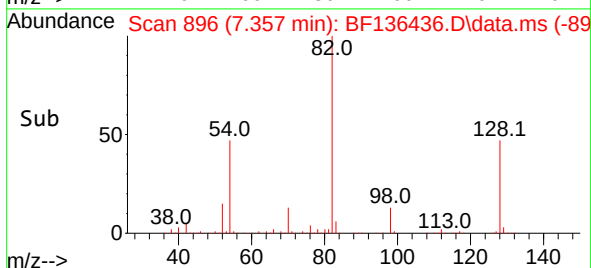
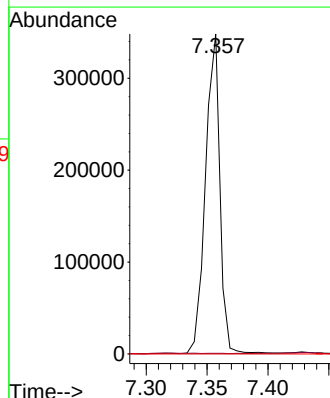
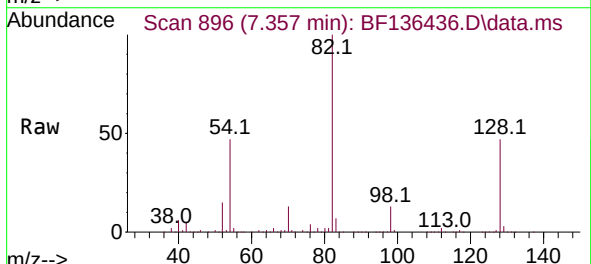
Instrument :
BNA_F
ClientSampleId :

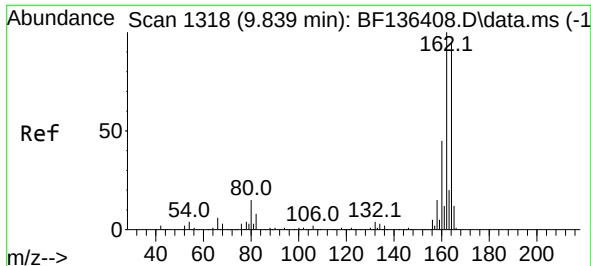
Tgt Ion: 82 Resp: 286258
Ion Ratio Lower Upper
82 100
128 47.4 36.3 54.5
54 46.8 39.0 58.6



#25
Isophorone
Concen: 37.413 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

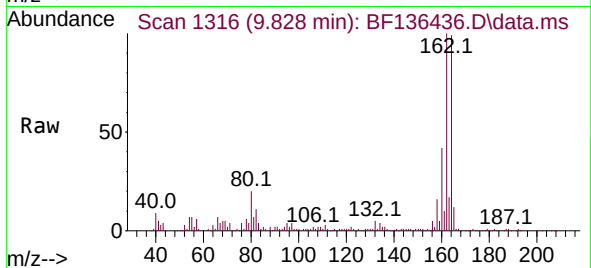
Tgt Ion: 82 Resp: 286258
Ion Ratio Lower Upper
82 100
95 0.2 5.7 8.5#
138 0.0 14.5 21.7#



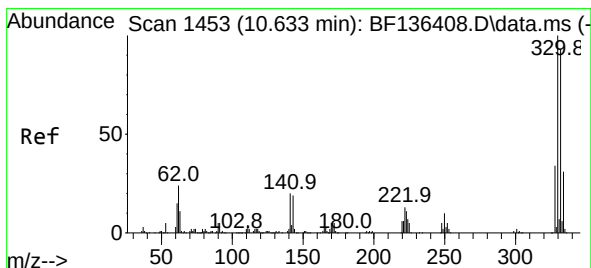
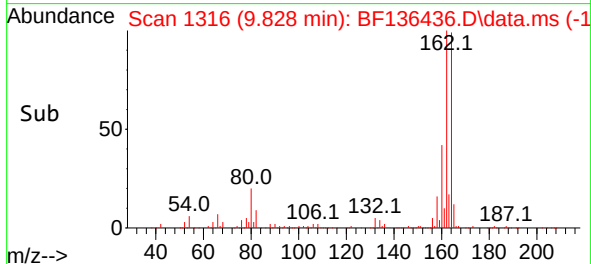
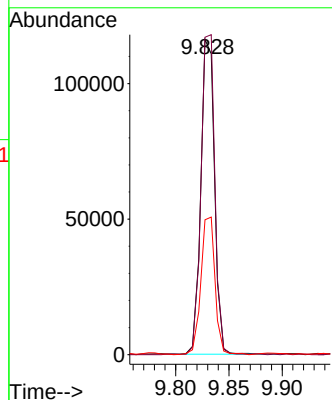


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

Instrument :
BNA_F
ClientSampleId :

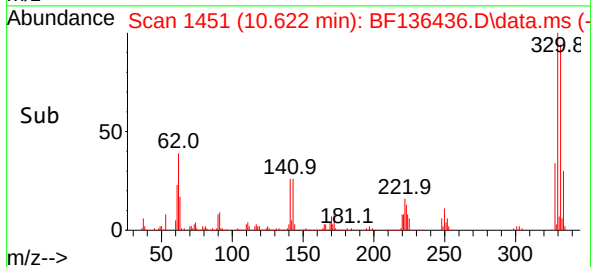
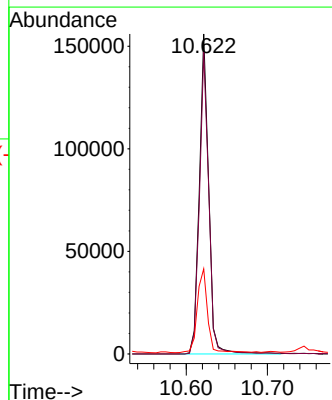
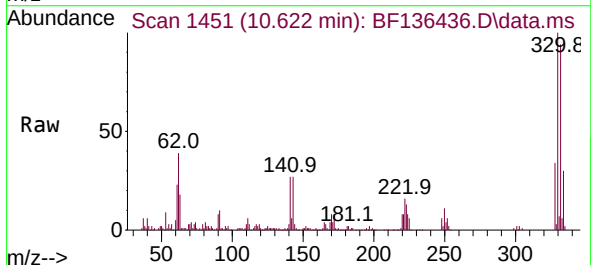


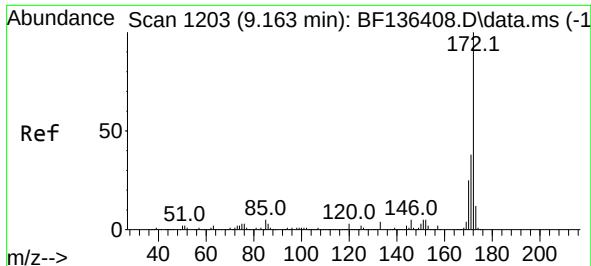
Tgt Ion:164 Resp: 104237
Ion Ratio Lower Upper
164 100
162 100.7 84.4 126.6
160 42.8 37.6 56.4



#42
2,4,6-Tribromophenol
Concen: 97.579 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

Tgt Ion:330 Resp: 125413
Ion Ratio Lower Upper
330 100
332 94.2 76.4 114.6
141 28.6 23.4 35.2

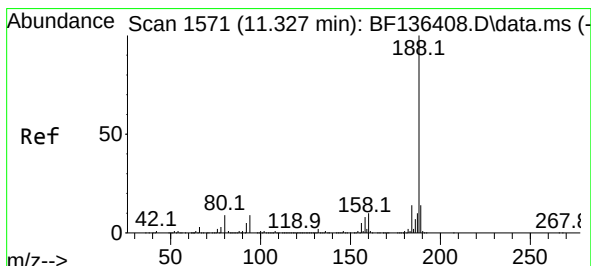
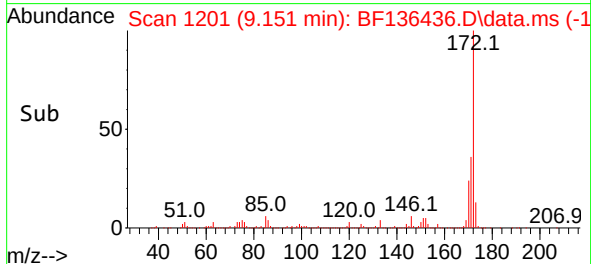
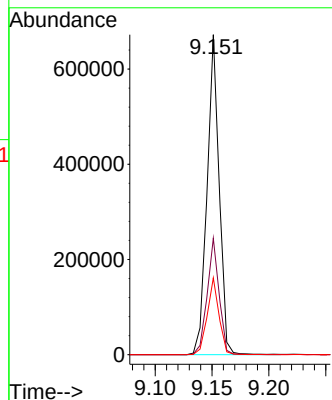
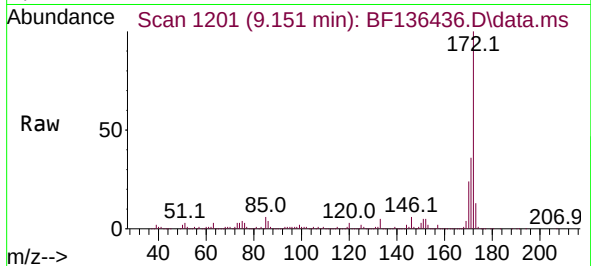




#45
2-Fluorobiphenyl
Concen: 65.021 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

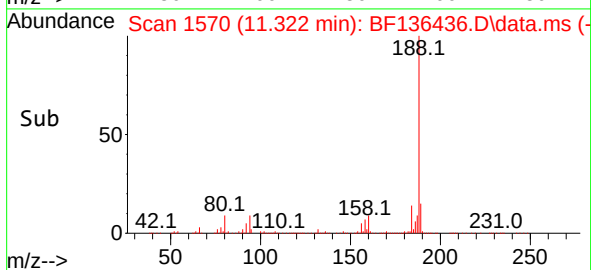
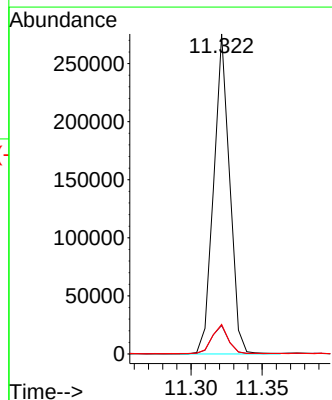
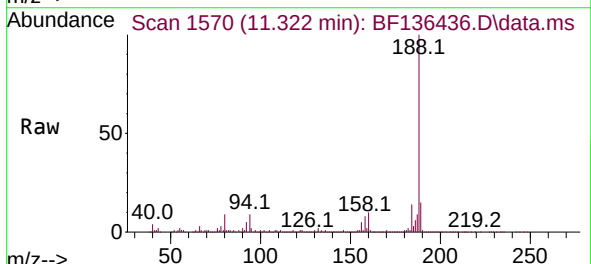
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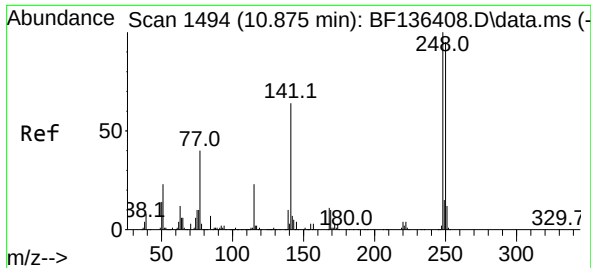
Tgt Ion:172 Resp: 496712
Ion Ratio Lower Upper
172 100
171 36.4 30.5 45.7
170 24.0 19.9 29.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

Tgt Ion:188 Resp: 216109
Ion Ratio Lower Upper
188 100
94 8.9 7.2 10.8
80 9.2 7.2 10.8

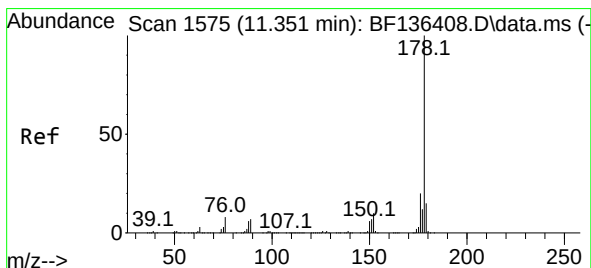
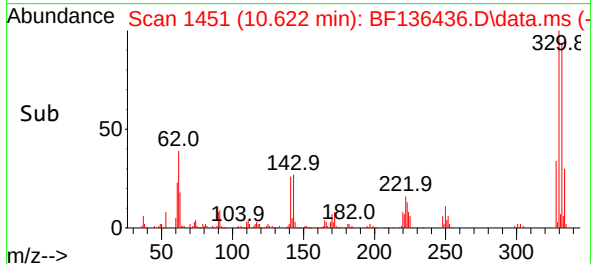
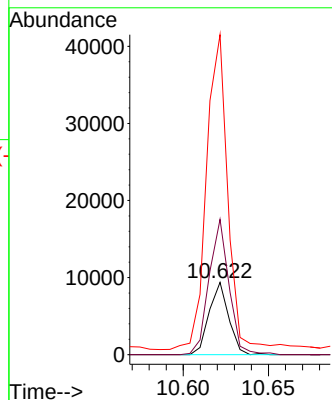
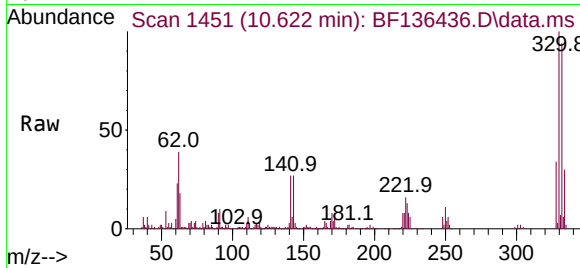




#67
4-Bromophenyl-phenylether
Concen: 2.983 ng
RT: 10.622 min Scan# 141
Delta R.T. -0.253 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

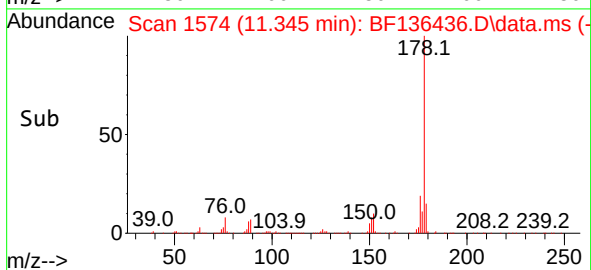
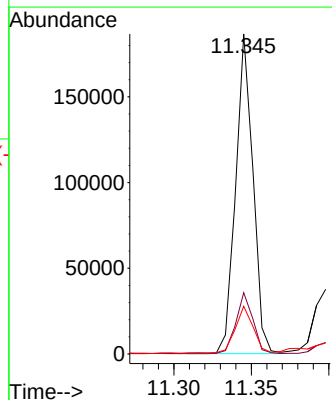
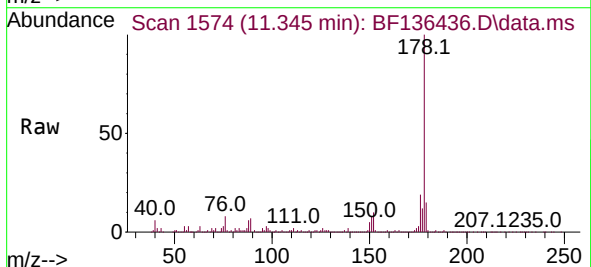
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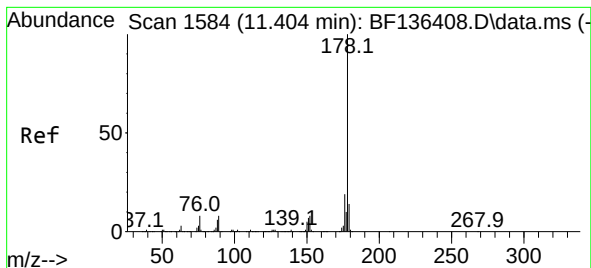
Tgt Ion:248 Resp: 7494
Ion Ratio Lower Upper
248 100
250 187.3 76.2 114.2#
141 442.9 51.0 76.4#



#71
Phenanthrene
Concen: 12.184 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

Tgt Ion:178 Resp: 144723
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 14.9 11.8 17.6





#72

Anthracene

Concen: 2.622 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

Instrument :

BNA_F

ClientSampleId :

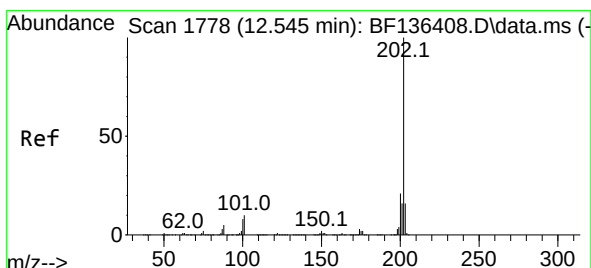
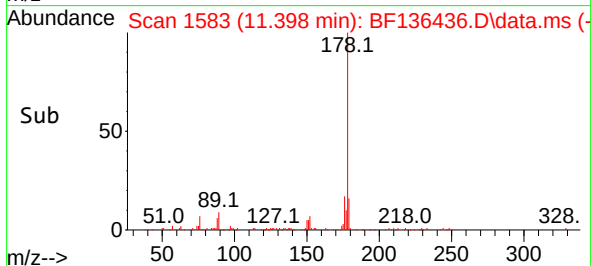
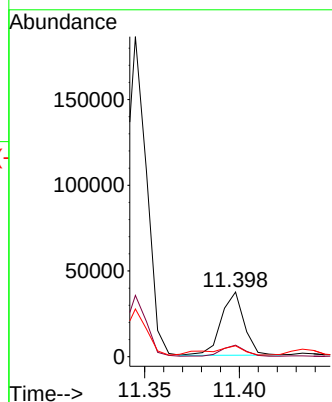
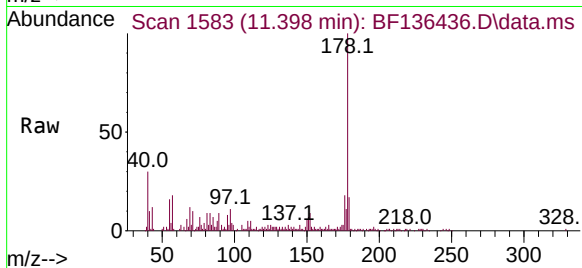
Tgt Ion:178 Resp: 31370

Ion Ratio Lower Upper

178 100

176 17.7 15.3 22.9

179 16.8 11.4 17.0



#75

Fluoranthene

Concen: 17.203 ng

RT: 12.539 min Scan# 1777

Delta R.T. -0.006 min

Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

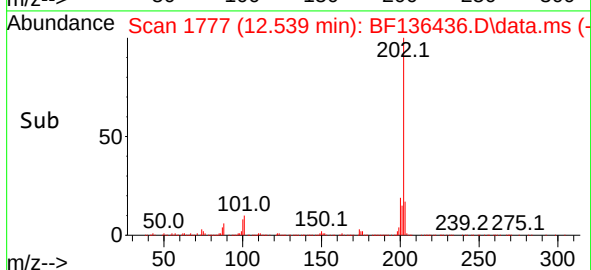
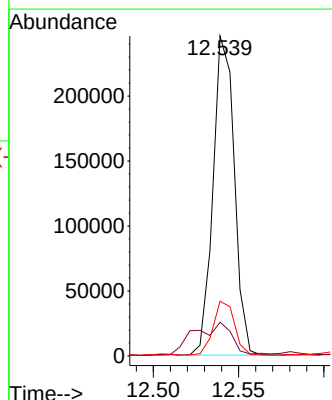
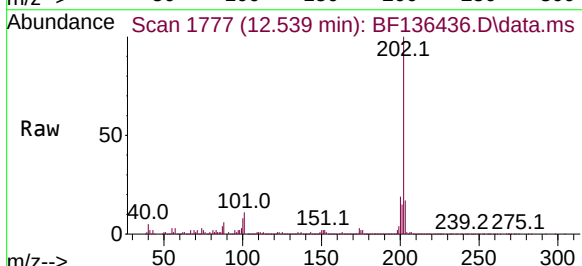
Tgt Ion:202 Resp: 214146

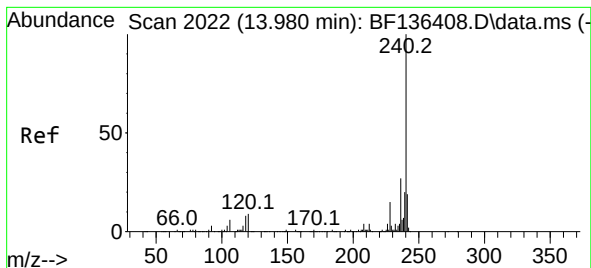
Ion Ratio Lower Upper

202 100

101 10.6 0.0 29.9

203 17.1 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

Instrument :

BNA_F

ClientSampleId :

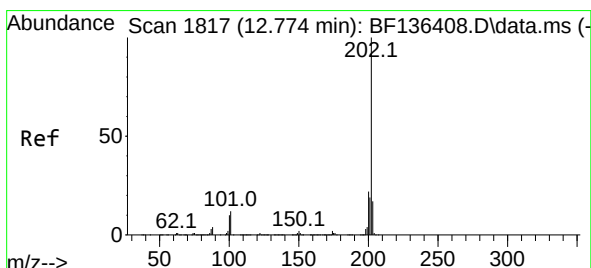
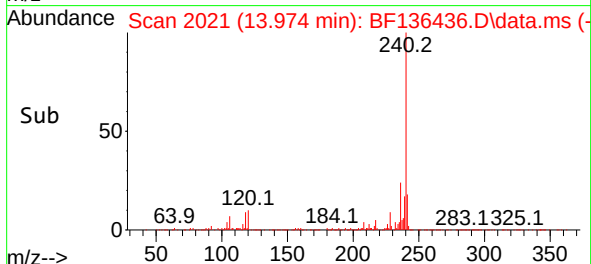
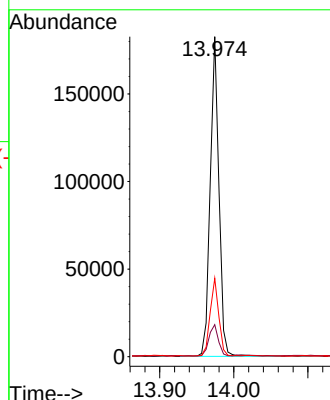
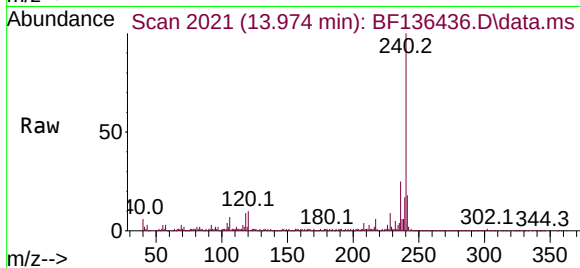
Tgt Ion:240 Resp: 149667

Ion Ratio Lower Upper

240 100

120 10.0 7.3 10.9

236 24.5 21.3 31.9



#78

Pyrene

Concen: 13.052 ng

RT: 12.768 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

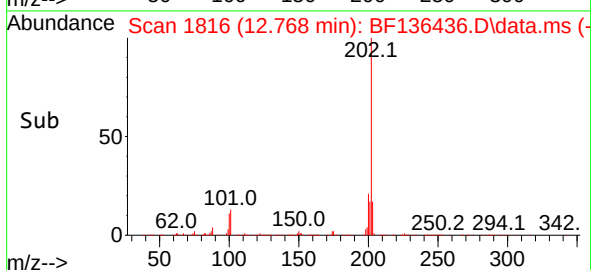
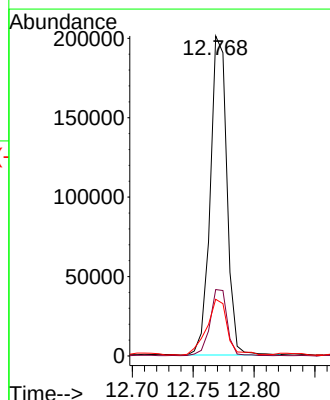
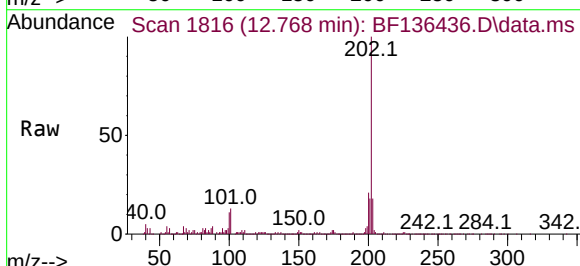
Tgt Ion:202 Resp: 191319

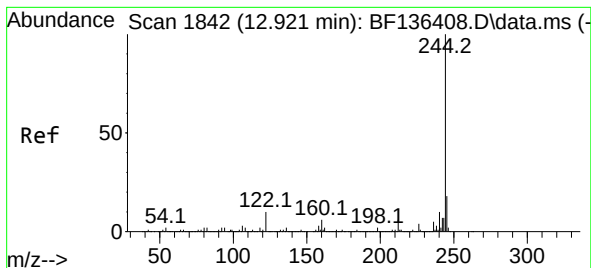
Ion Ratio Lower Upper

202 100

200 20.7 18.0 27.0

203 17.7 13.5 20.3





#79

Terphenyl-d14

Concen: 62.554 ng

RT: 12.921 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

Instrument :

BNA_F

ClientSampleId :

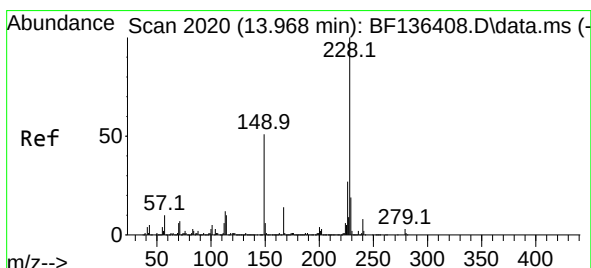
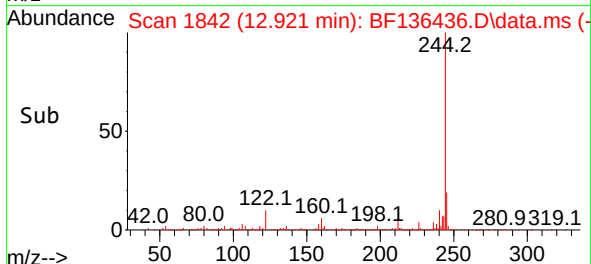
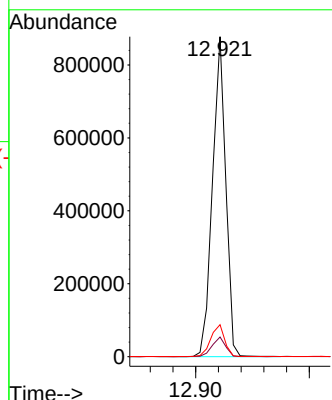
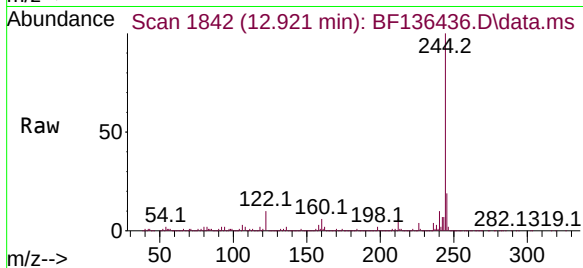
Tgt Ion:244 Resp: 710310

Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

122 10.0 8.3 12.5



#81

Benzo(a)anthracene

Concen: 7.389 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

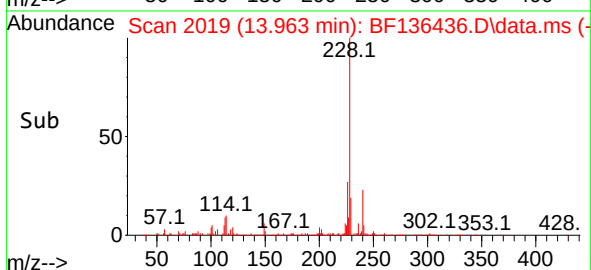
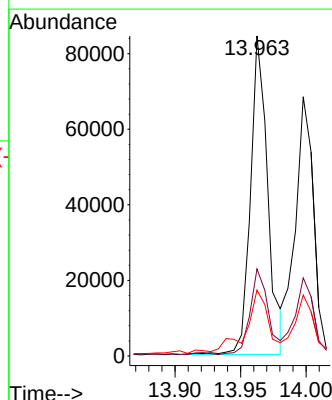
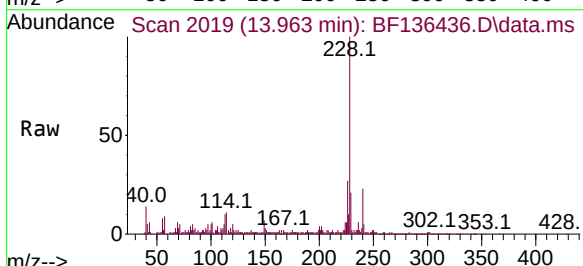
Tgt Ion:228 Resp: 77029

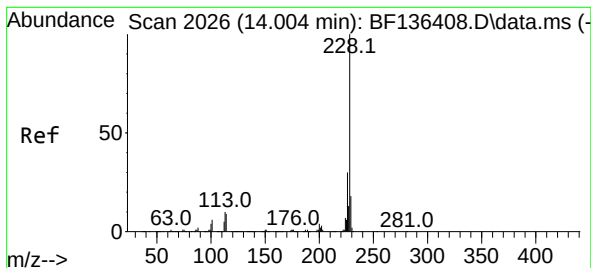
Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.8

229 20.6 15.0 22.4





#83

Chrysene

Concen: 7.510 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.041 min

Lab File: BF136436.D

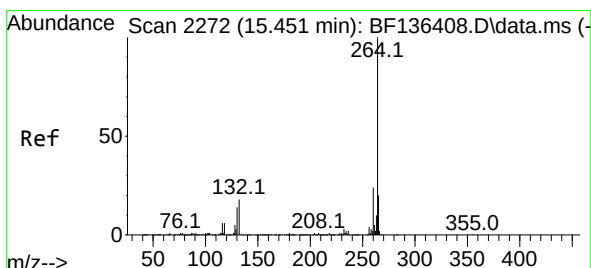
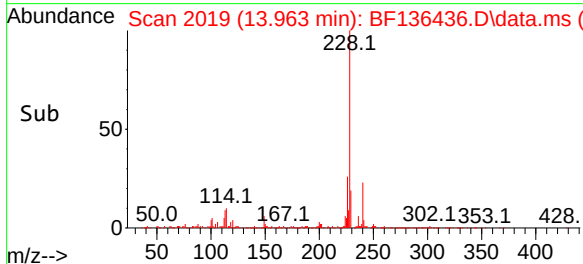
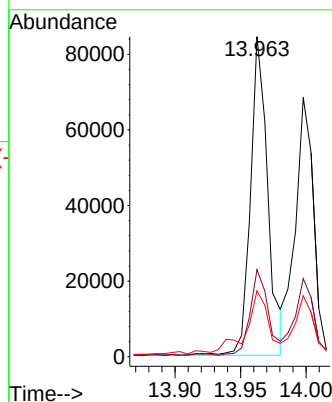
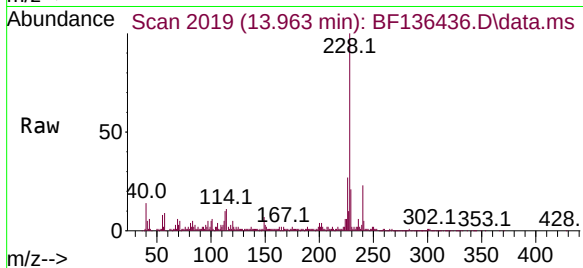
Acq: 06 Dec 2023 19:20

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:228	Resp:	77029
Ion Ratio	Lower	Upper
228	100	
226	27.2	23.8 35.6
229	20.6	14.8 22.2



#86

Perylene-d12

Concen: 20.000 ng

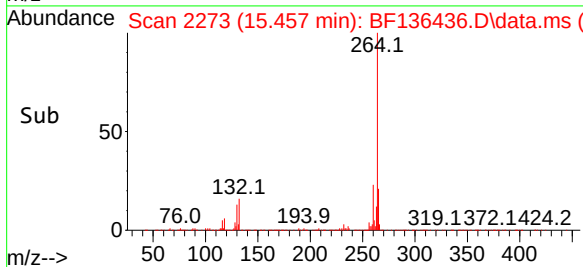
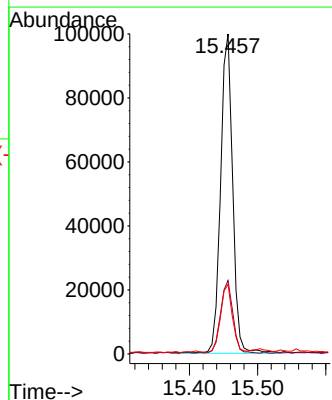
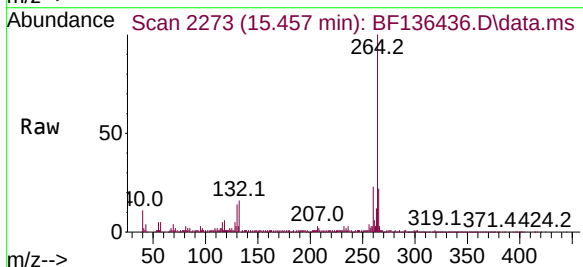
RT: 15.457 min Scan# 2273

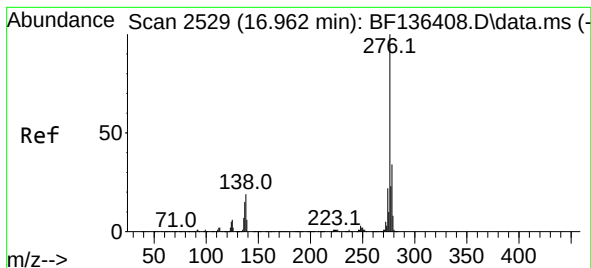
Delta R.T. 0.006 min

Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

Tgt Ion:264	Resp:	123128
Ion Ratio	Lower	Upper
264	100	
260	22.9	19.2 28.8
265	21.7	15.9 23.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.751 ng

RT: 16.951 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF136436.D

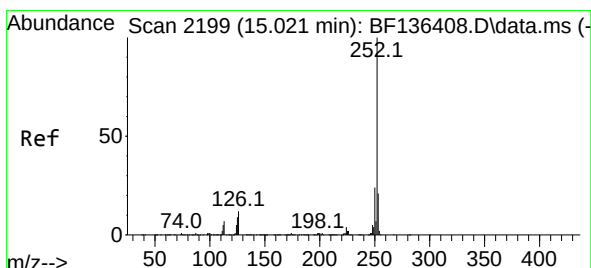
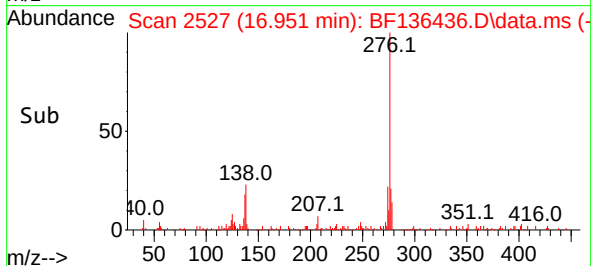
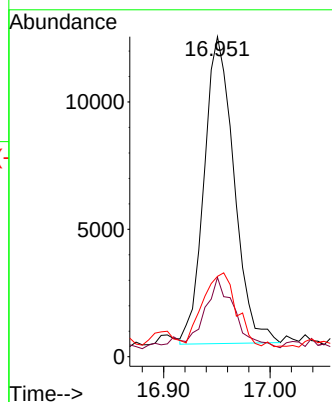
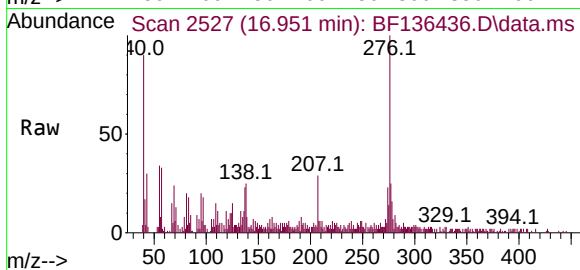
Acq: 06 Dec 2023 19:20

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:276	Resp:	23529
Ion Ratio	Lower	Upper
276	100	
138	25.7	19.0 28.4
277	26.5	20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 10.055 ng

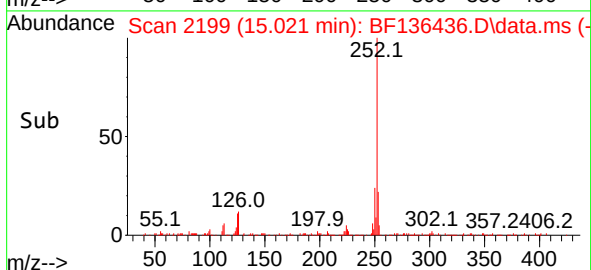
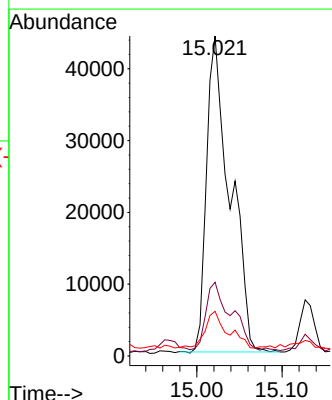
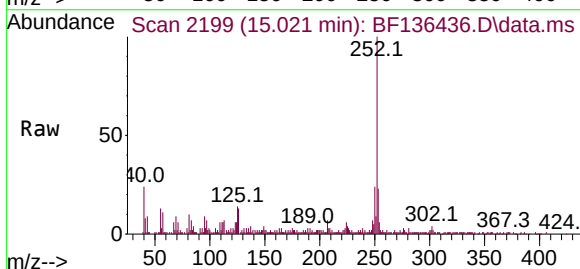
RT: 15.021 min Scan# 2199

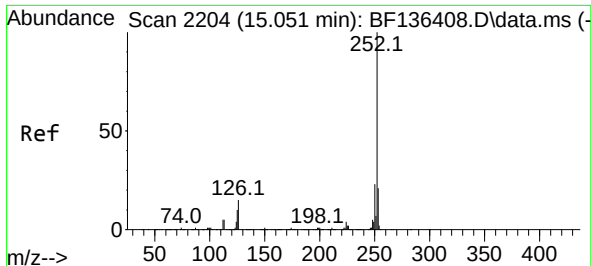
Delta R.T. -0.000 min

Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

Tgt Ion:252	Resp:	84648
Ion Ratio	Lower	Upper
252	100	
253	23.0	16.9 25.3
125	13.9	7.4 11.2#

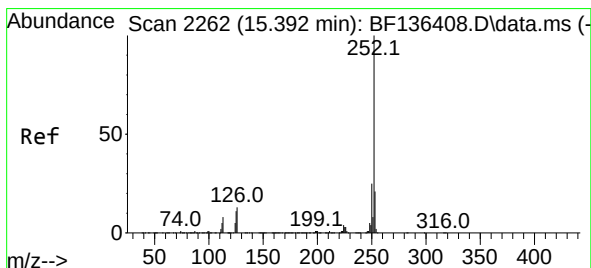
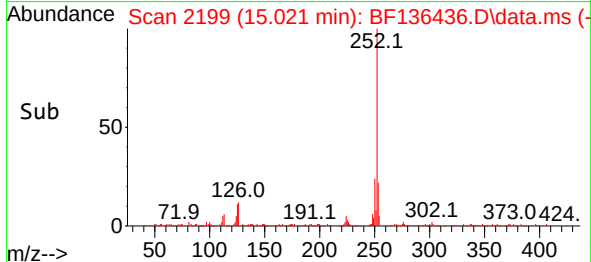
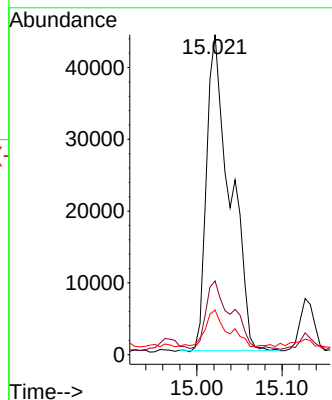
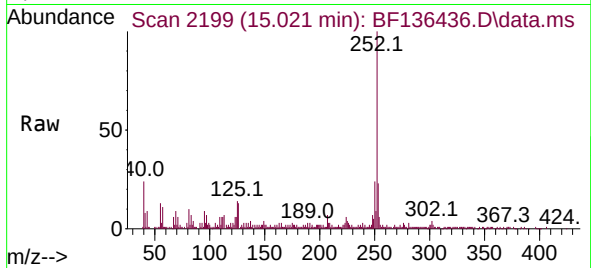




#89
Benzo(k)fluoranthene
Concen: 10.669 ng
RT: 15.021 min Scan# 2119
Delta R.T. -0.029 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

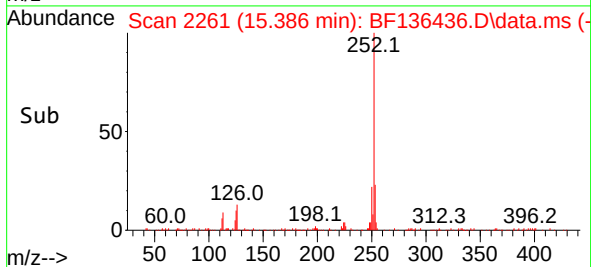
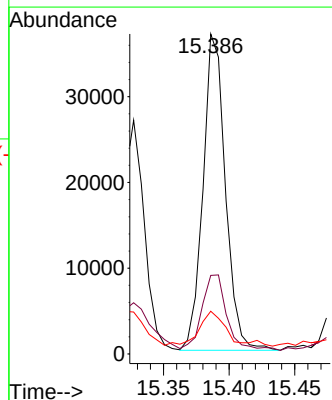
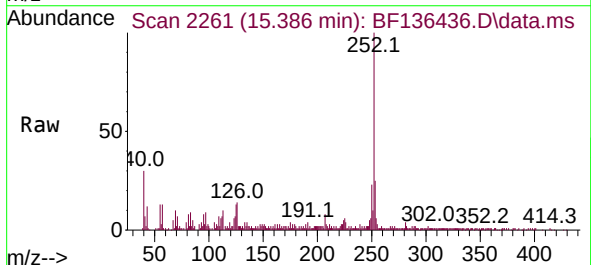
Instrument :
BNA_F
ClientSampleId :

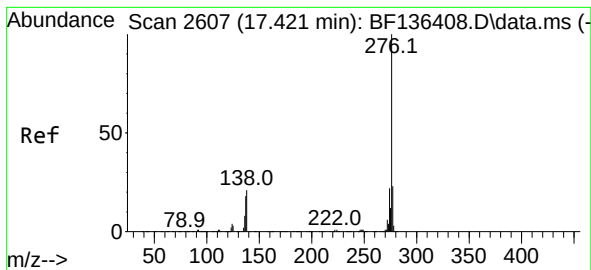
Tgt Ion:252 Resp: 84648
Ion Ratio Lower Upper
252 100
253 23.0 16.9 25.3
125 13.9 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 6.319 ng
RT: 15.386 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

Tgt Ion:252 Resp: 43930
Ion Ratio Lower Upper
252 100
253 24.5 17.0 25.4
125 13.3 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 3.523 ng

RT: 17.403 min Scan# 20

Delta R.T. -0.018 min

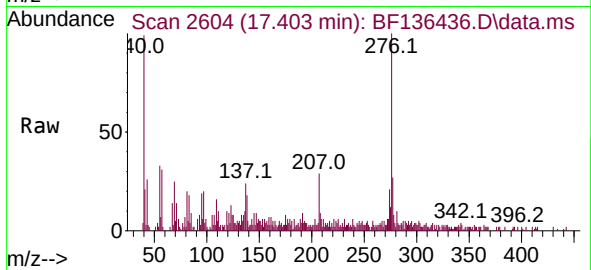
Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 25343

Ion Ratio Lower Upper

276 100

277 27.2 18.7 28.1

138 17.7 16.6 25.0

