

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136983.D
 Acq On : 05 Jan 2024 19:00
 Operator : CG\JU
 Sample : P1015-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-301P-0-2

Quant Time: Jan 05 22:52:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

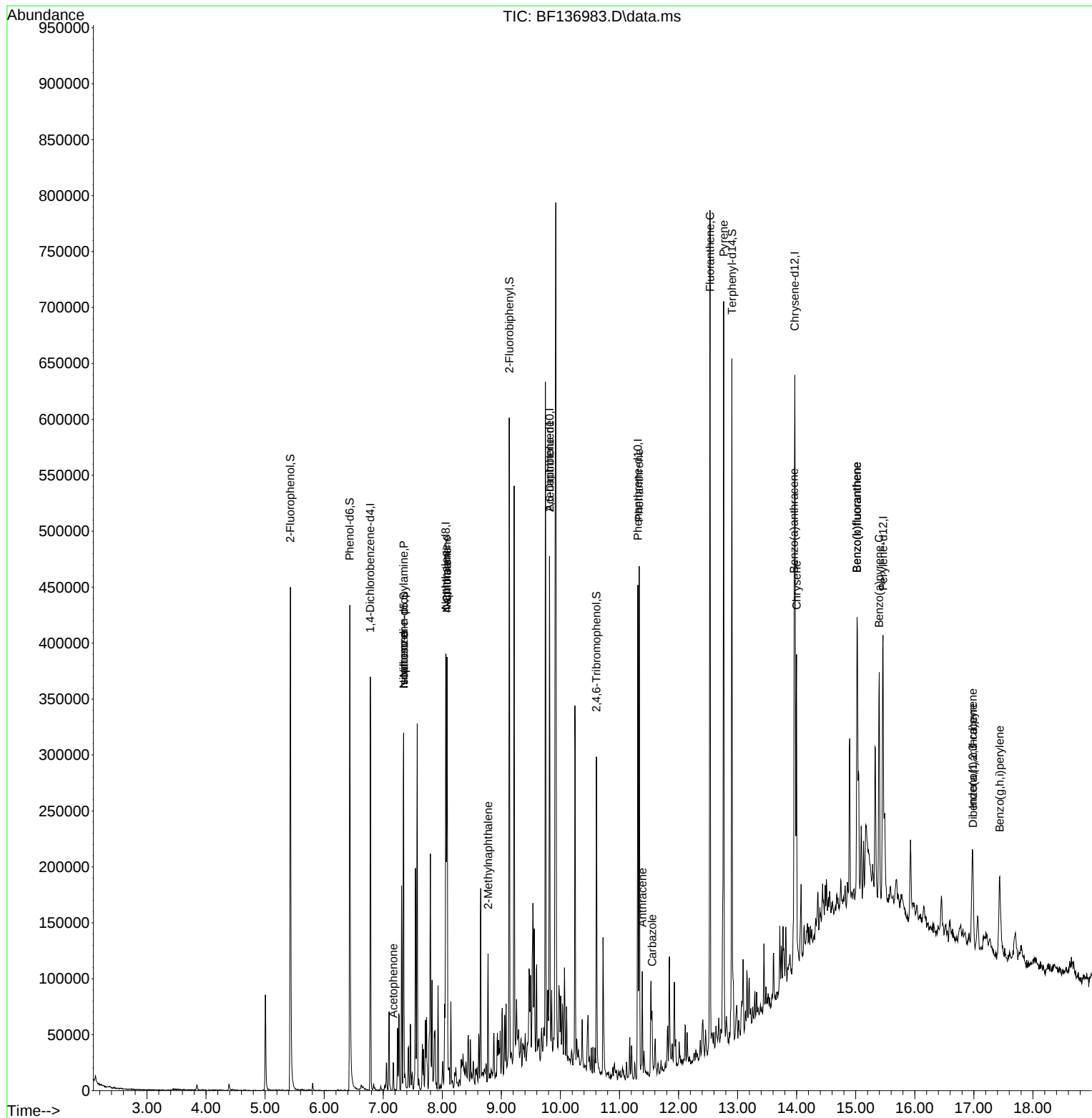
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	54016	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	174829	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	80370	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	155569	20.000	ng	0.00
76) Chrysene-d12	13.969	240	139929	20.000	ng	0.00
86) Perylene-d12	15.463	264	106924	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	131329	37.935	ng	0.00
7) Phenol-d6	6.434	99	156070	34.792	ng	0.00
23) Nitrobenzene-d5	7.345	82	95017	27.811	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	35725	37.743	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	170148	28.474	ng	-0.02
79) Terphenyl-d14	12.904	244	196345	19.609	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	12013	4.418	ng	# 80
22) Acetophenone	7.169	105	10346	2.361	ng	# 49
25) Isophorone	7.345	82	95015	15.284	ng	# 65
31) Naphthalene	8.081	128	116010	12.079	ng	99
33) 4-Chloroaniline	8.081	127	15231	4.295	ng	# 38
37) 2-Methylnaphthalene	8.775	142	27302	4.417	ng	95
51) 2,6-Dinitrotoluene	9.816	165	11070	8.309	ng	# 30
71) Phenanthrene	11.333	178	156290	19.579	ng	99
72) Anthracene	11.386	178	32350	4.002	ng	96
73) Carbazole	11.551	167	19491	2.557	ng	97
75) Fluoranthene	12.533	202	284759	33.351	ng	98
78) Pyrene	12.763	202	254962	18.561	ng	100
81) Benzo(a)anthracene	13.957	228	125663	12.933	ng	99
83) Chrysene	13.998	228	115914	12.199	ng	94
87) Indeno(1,2,3-cd)pyrene	16.980	276	58186	7.537	ng	97
88) Benzo(b)fluoranthene	15.021	252	186750	26.150	ng	# 98
89) Benzo(k)fluoranthene	15.021	252	186750	27.674	ng	98
90) Benzo(a)pyrene	15.398	252	98988	16.421	ng	95
91) Dibenzo(a,h)anthracene	16.986	278	14526	2.294	ng	# 84
92) Benzo(g,h,i)perylene	17.439	276	61267	9.445	ng	96

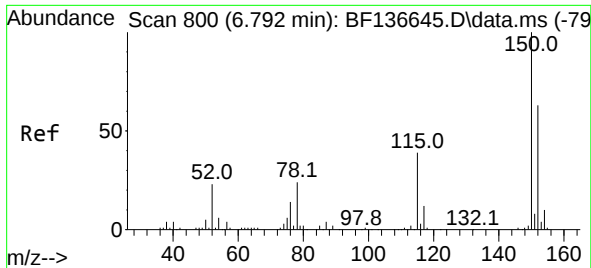
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
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Quant Time: Jan 05 22:52:02 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration

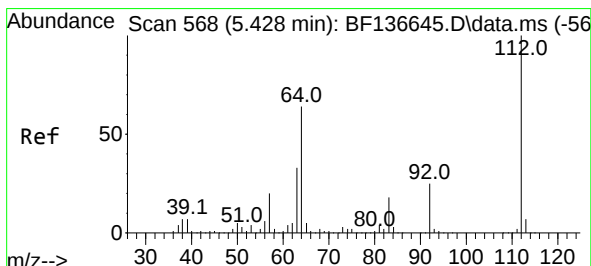
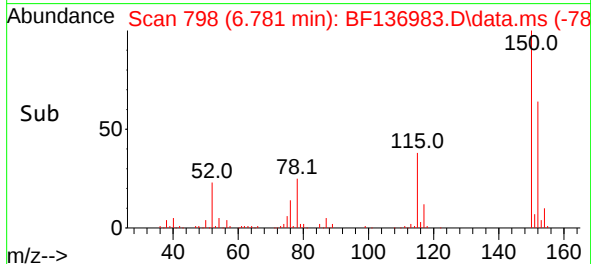
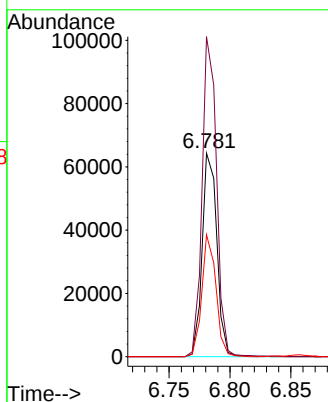
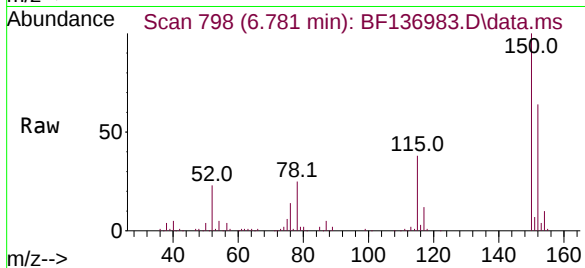




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF136983.D
 Acq: 05 Jan 2024 19:00

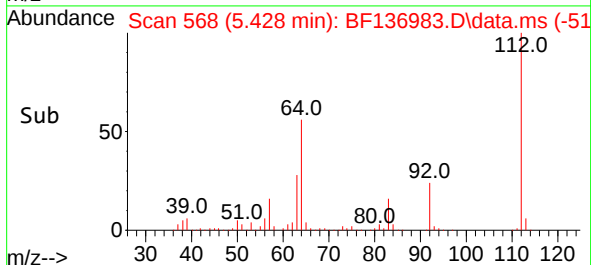
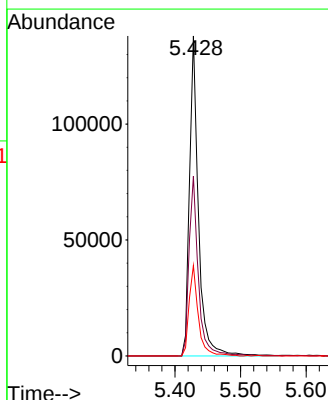
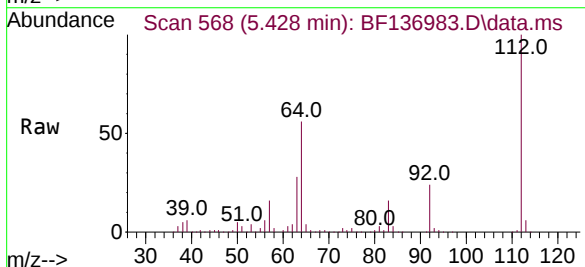
Instrument :
 BNA_F
 ClientSampleId :
 MR-301P-0-2

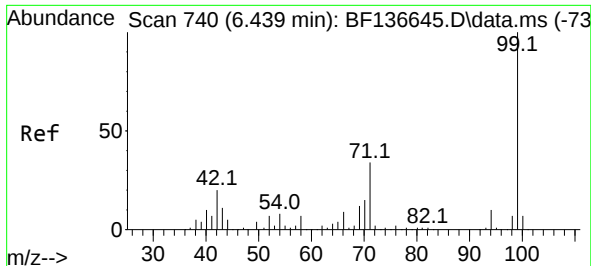
Tgt Ion:152 Resp: 54016
 Ion Ratio Lower Upper
 152 100
 150 157.2 127.0 190.6
 115 59.9 49.0 73.4



#5
 2-Fluorophenol
 Concen: 37.935 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: BF136983.D
 Acq: 05 Jan 2024 19:00

Tgt Ion:112 Resp: 131329
 Ion Ratio Lower Upper
 112 100
 64 56.2 51.1 76.7
 63 28.3 26.1 39.1

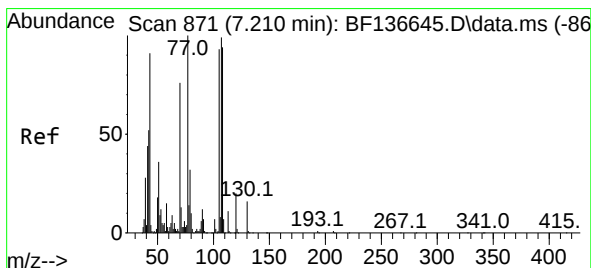
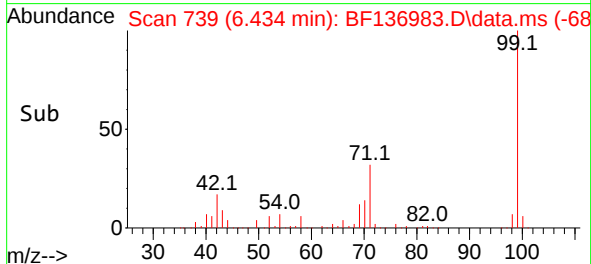
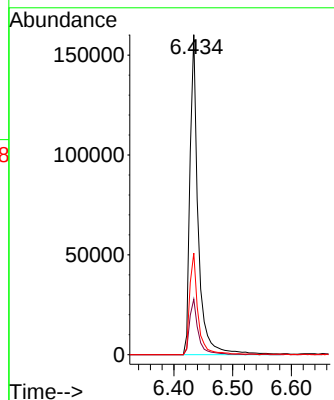
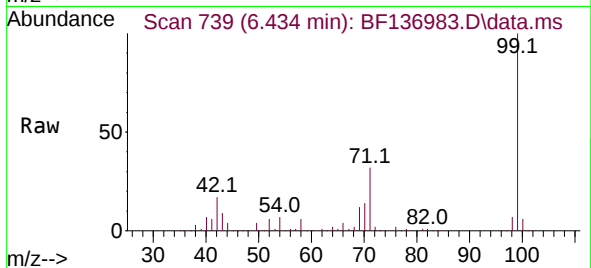




#7
Phenol-d6
Concen: 34.792 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

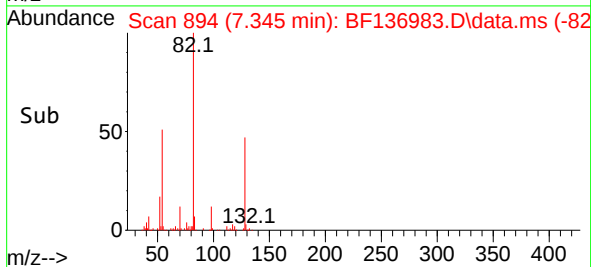
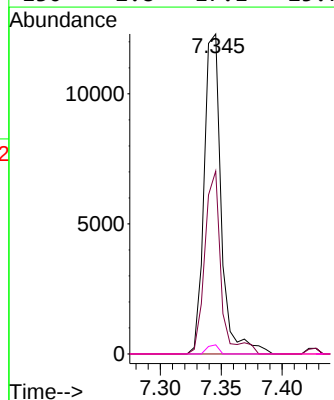
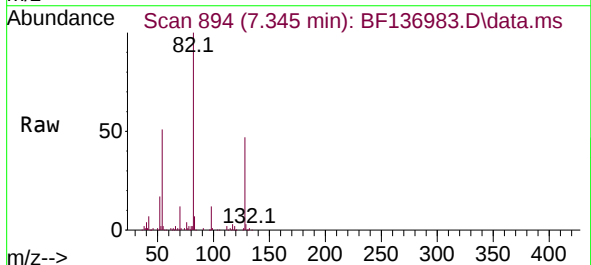
Instrument :
BNA_F
ClientSampleId :
MR-301P-0-2

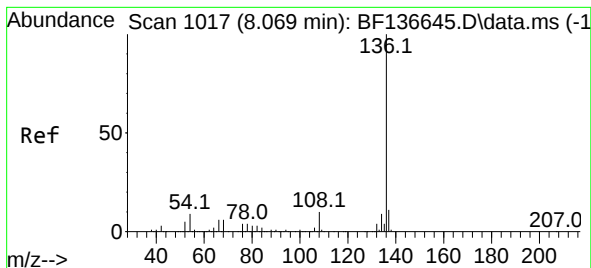
Tgt Ion: 99 Resp: 156070
Ion Ratio Lower Upper
99 100
42 17.3 16.1 24.1
71 31.7 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 4.418 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

Tgt Ion: 70 Resp: 12013
Ion Ratio Lower Upper
70 100
42 57.2 54.2 81.4
101 0.0 7.6 11.4#
130 2.8 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Instrument :

BNA_F

ClientSampleId :

MR-301P-0-2

Tgt Ion:136 Resp: 174829

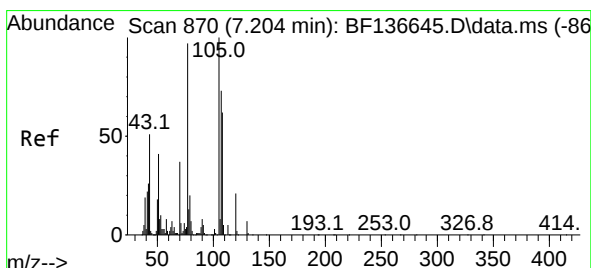
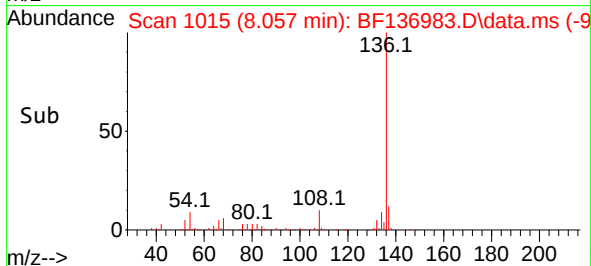
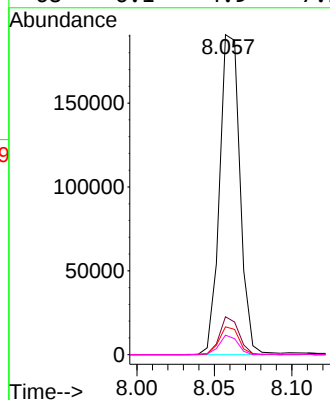
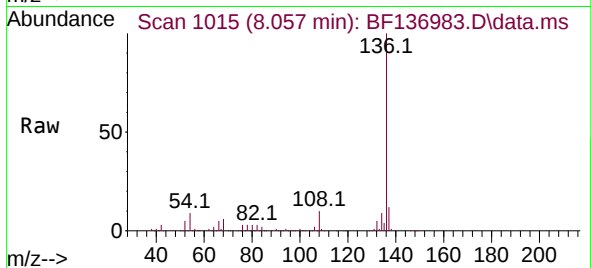
Ion Ratio Lower Upper

136 100

137 11.9 9.0 13.4

54 8.7 7.2 10.8

68 6.1 4.9 7.3



#22

Acetophenone

Concen: 2.361 ng

RT: 7.169 min Scan# 864

Delta R.T. -0.035 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Tgt Ion:105 Resp: 10346

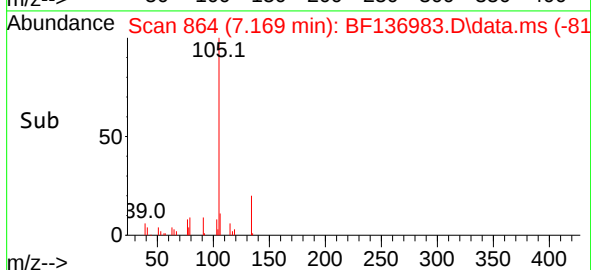
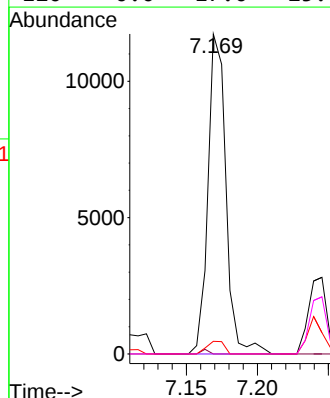
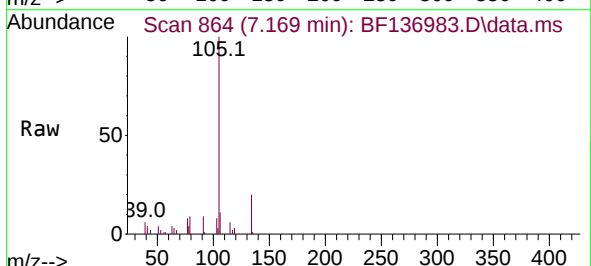
Ion Ratio Lower Upper

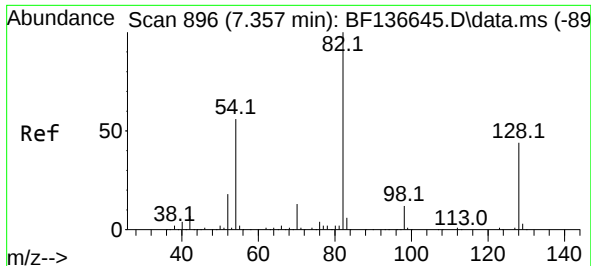
105 100

71 0.0 4.8 7.2#

51 4.0 32.8 49.2#

120 0.0 17.0 25.6#

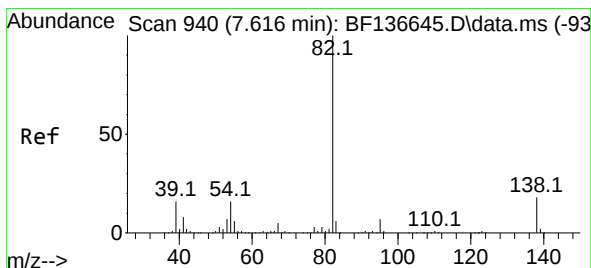
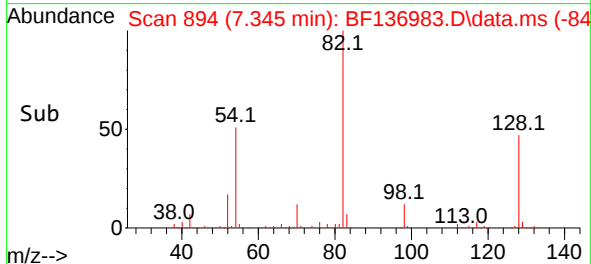
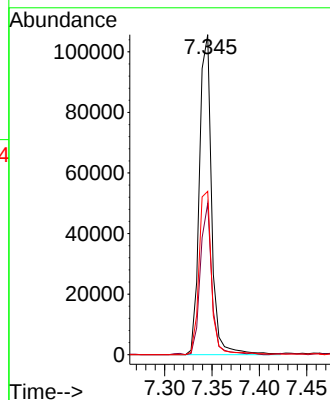
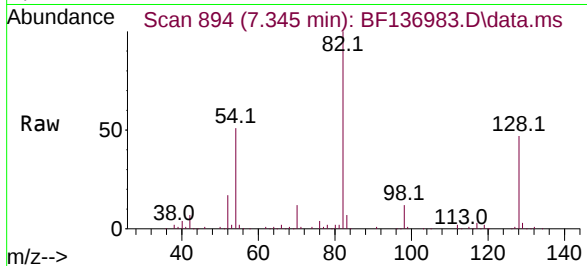




#23
Nitrobenzene-d5
Concen: 27.811 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

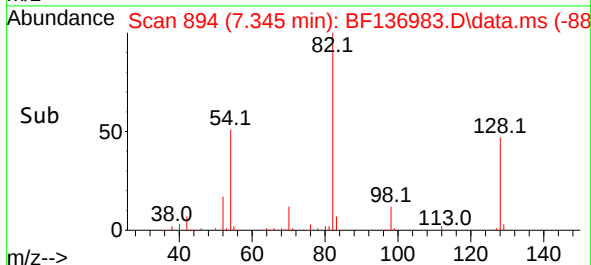
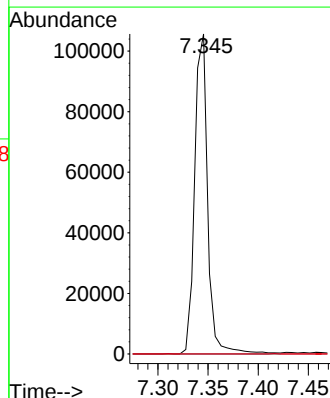
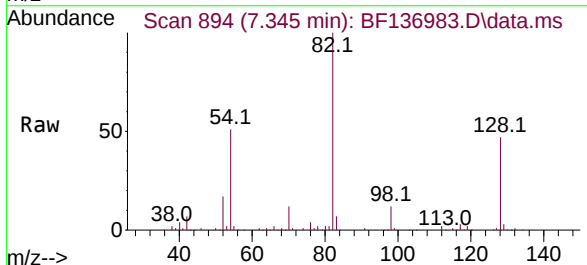
Instrument :
BNA_F
ClientSampleId :
MR-301P-0-2

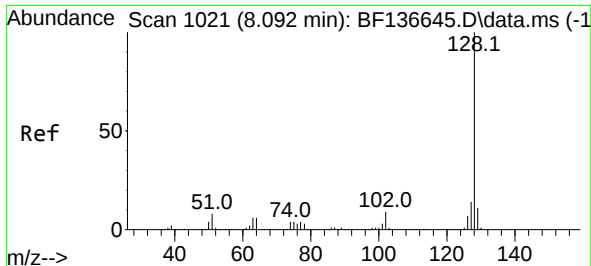
Tgt Ion: 82 Resp: 95017
Ion Ratio Lower Upper
82 100
128 47.2 35.3 52.9
54 51.1 44.5 66.7



#25
Isophorone
Concen: 15.284 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

Tgt Ion: 82 Resp: 95015
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#

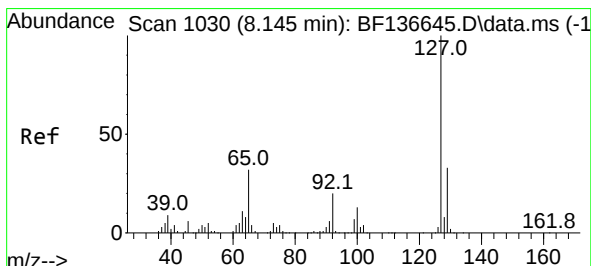
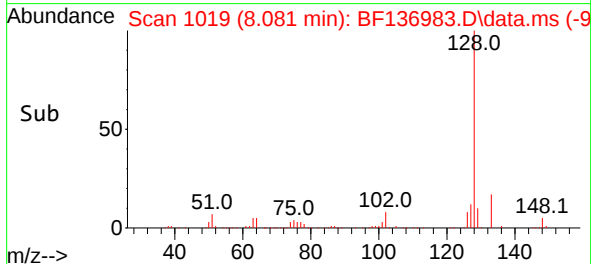
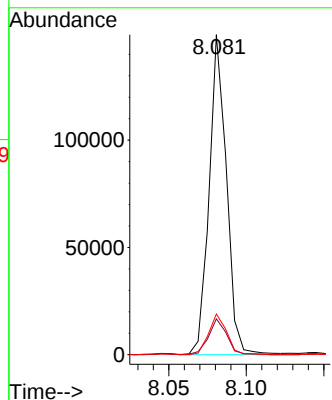
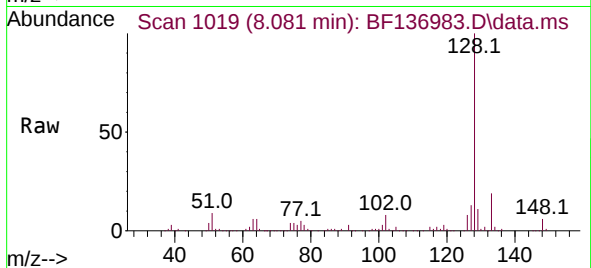




#31
Naphthalene
Concen: 12.079 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

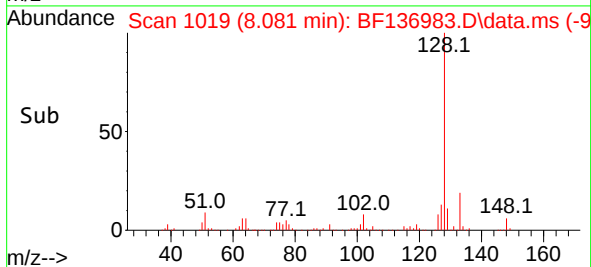
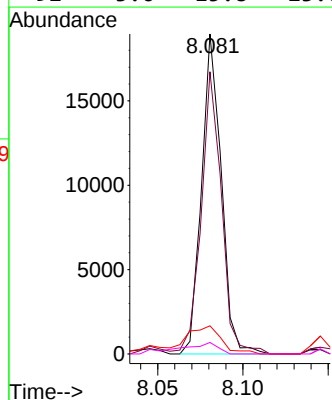
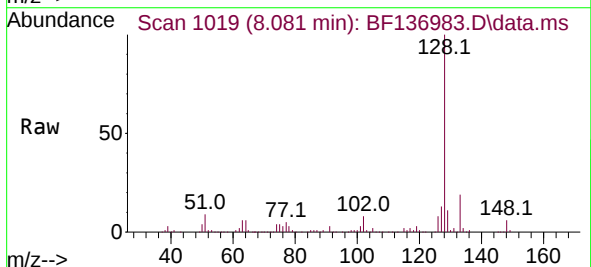
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BNA_F
ClientSampleId :
MR-301P-0-2

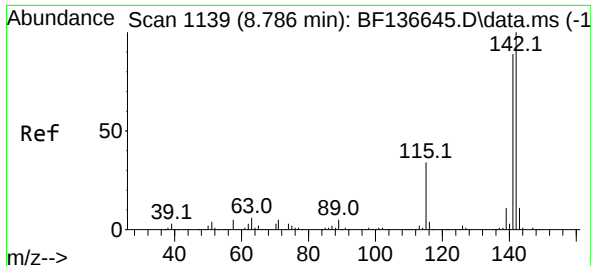
Tgt Ion:128 Resp: 116010
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 12.7 10.8 16.2



#33
4-Chloroaniline
Concen: 4.295 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.065 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

Tgt Ion:127 Resp: 15231
Ion Ratio Lower Upper
127 100
129 88.2 26.3 39.5#
65 8.8 25.8 38.8#
92 3.6 15.8 23.6#

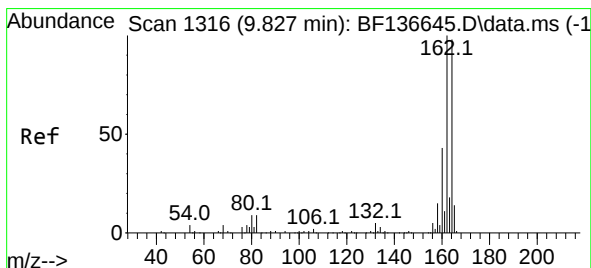
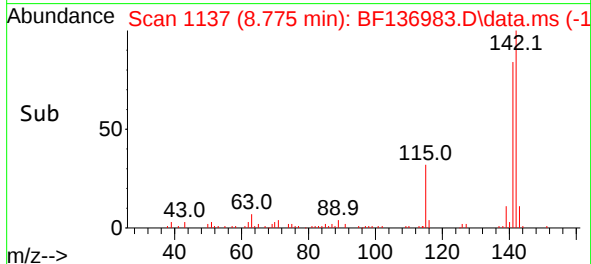
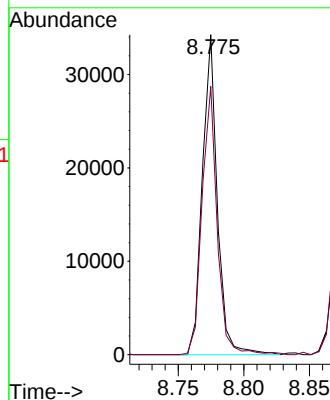
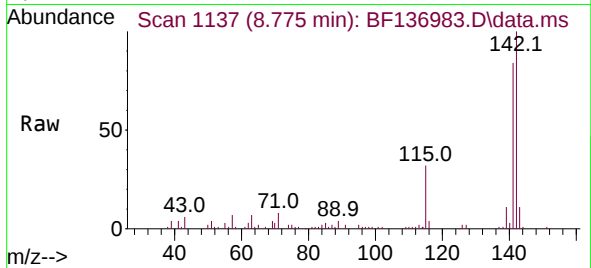




#37
2-Methylnaphthalene
Concen: 4.417 ng
RT: 8.775 min Scan# 1139
Delta R.T. -0.012 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

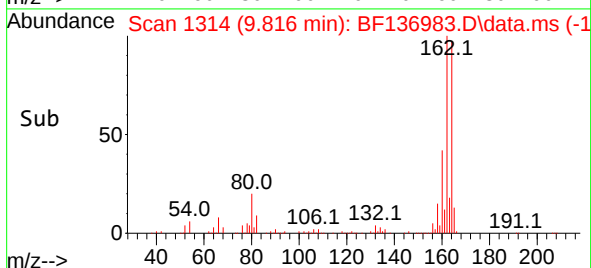
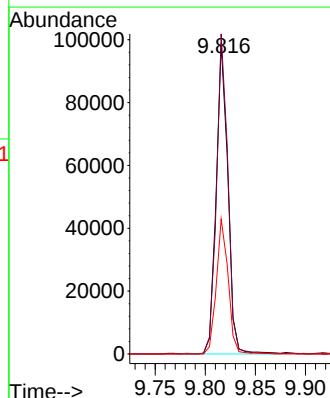
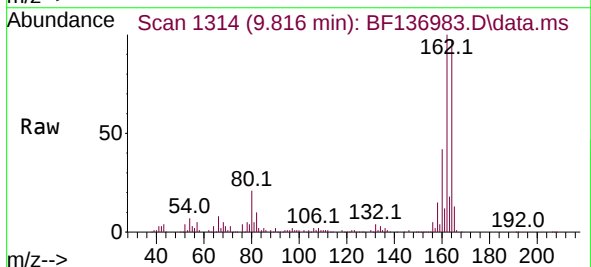
Instrument :
BNA_F
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MR-301P-0-2

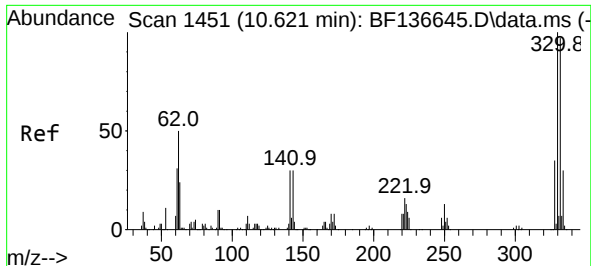
Tgt Ion:142 Resp: 27302
Ion Ratio Lower Upper
142 100
141 83.8 71.1 106.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

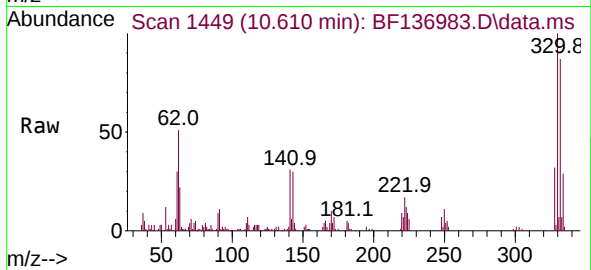
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Ion Ratio Lower Upper
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162 103.1 81.6 122.4
160 43.5 34.9 52.3



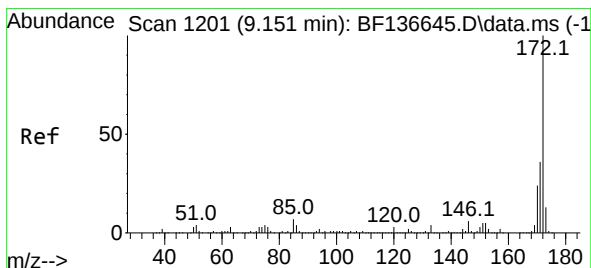
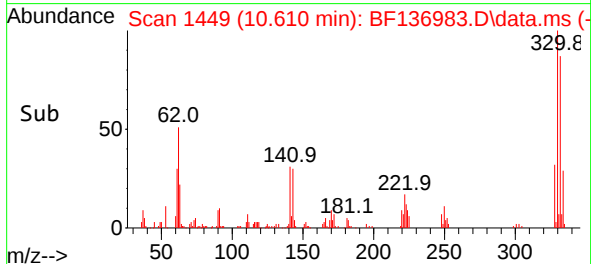
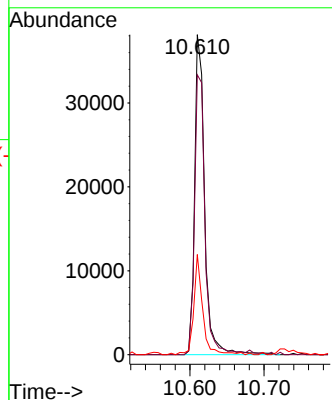


#42
2,4,6-Tribromophenol
Concen: 37.743 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

Instrument :
BNA_F
ClientSampleId :
MR-301P-0-2

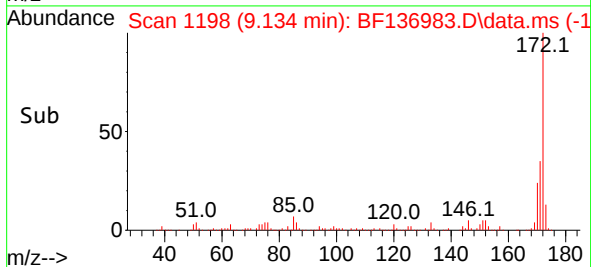
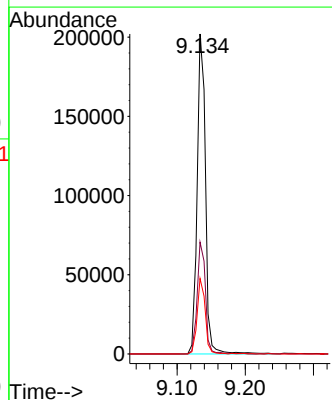
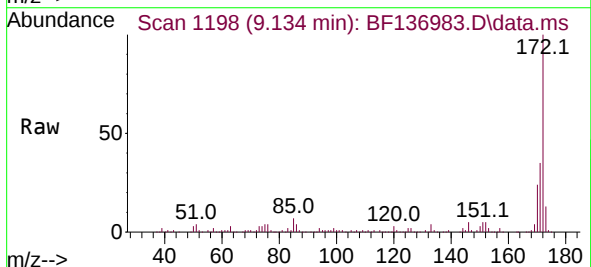


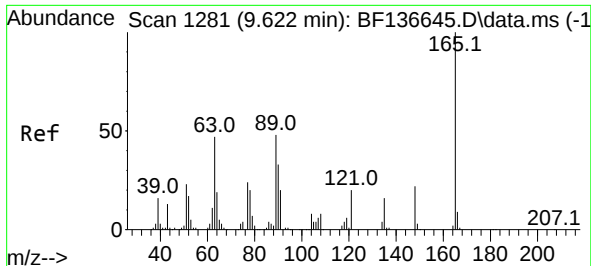
Tgt Ion:330 Resp: 35725
Ion Ratio Lower Upper
330 100
332 91.1 77.4 116.0
141 28.3 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 28.474 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

Tgt Ion:172 Resp: 170148
Ion Ratio Lower Upper
172 100
171 35.0 29.0 43.6
170 23.6 19.0 28.4

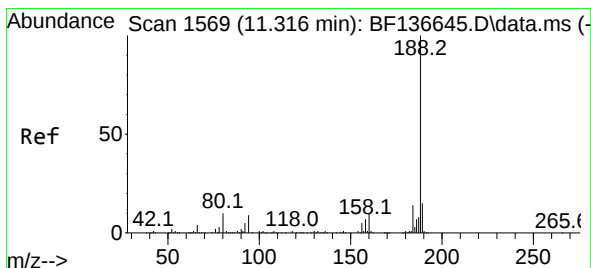
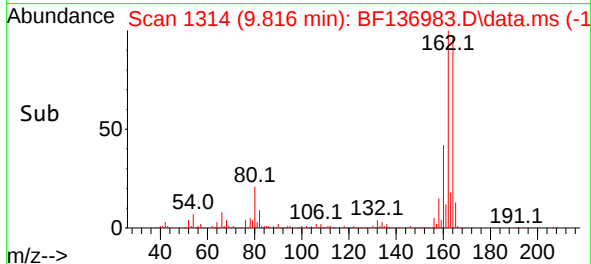
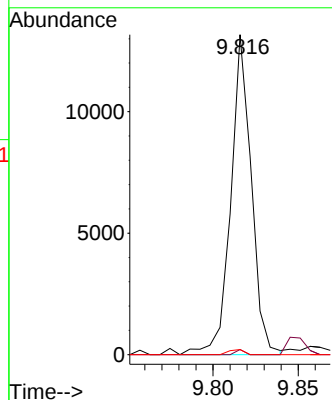
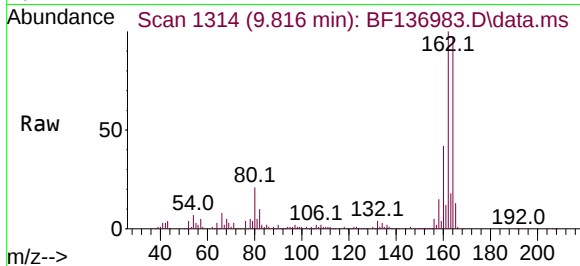




#51
2,6-Dinitrotoluene
Concen: 8.309 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

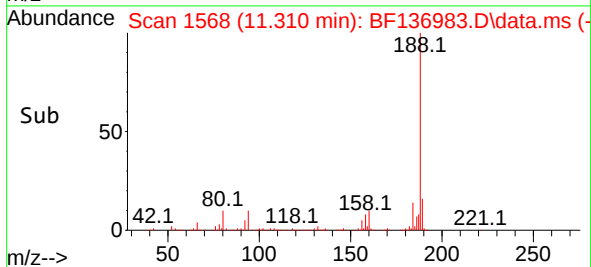
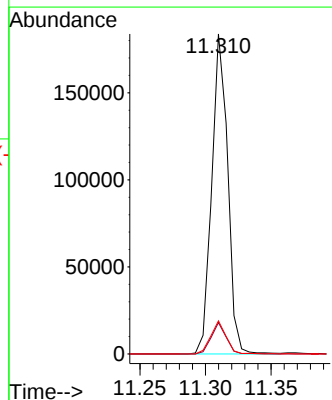
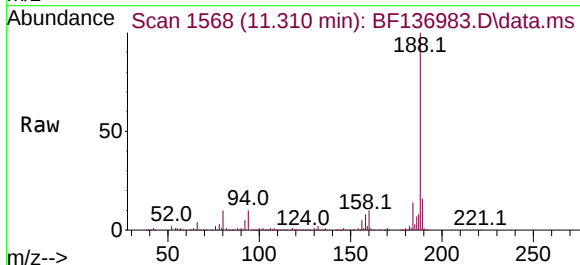
Instrument :
BNA_F
ClientSampleId :
MR-301P-0-2

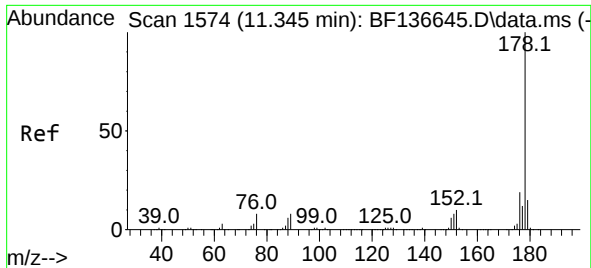
Tgt Ion:165 Resp: 11070
Ion Ratio Lower Upper
165 100
63 1.6 39.8 59.6#
89 1.6 38.8 58.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

Tgt Ion:188 Resp: 155569
Ion Ratio Lower Upper
188 100
94 9.8 7.5 11.3
80 10.3 8.1 12.1

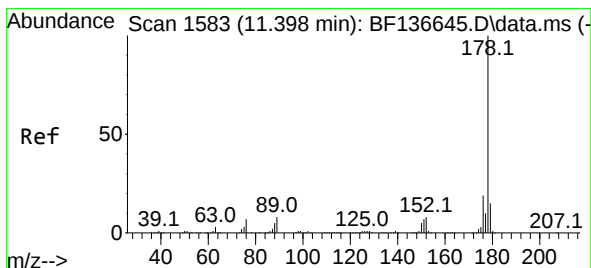
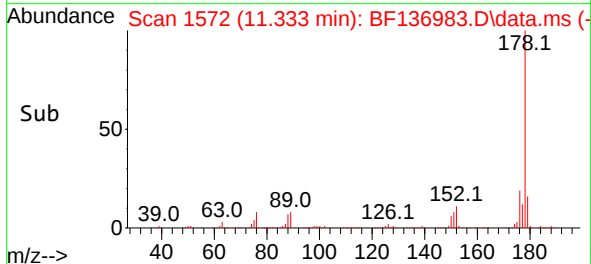
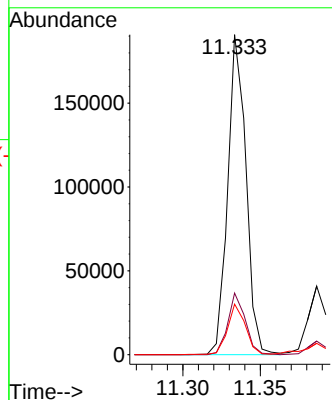
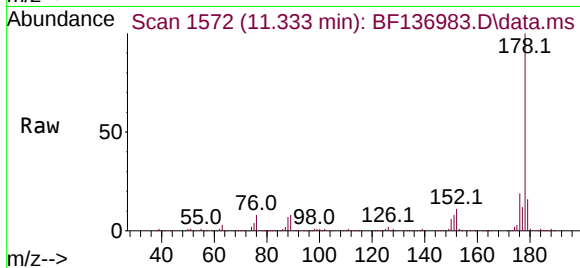




#71
Phenanthrene
Concen: 19.579 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

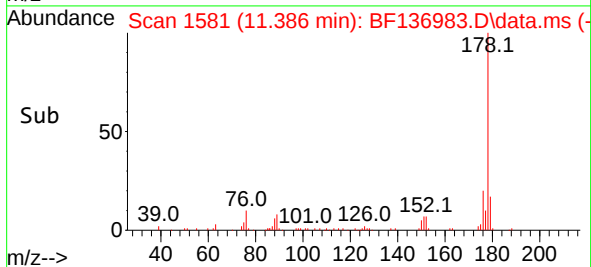
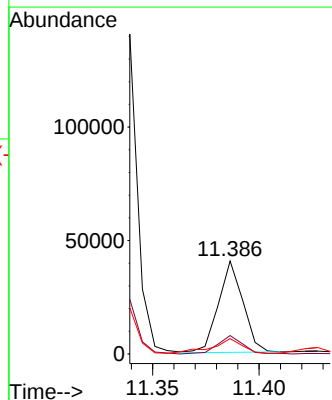
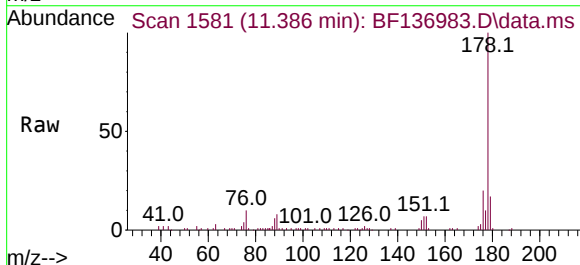
Instrument :
BNA_F
ClientSampleId :
MR-301P-0-2

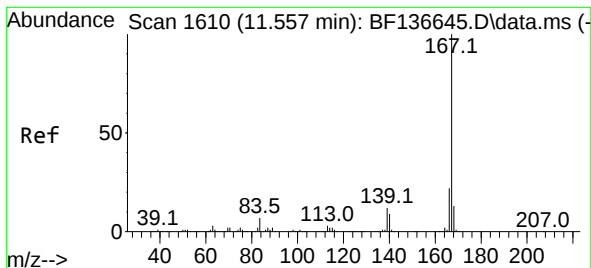
Tgt Ion:178 Resp: 156290
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.8 11.9 17.9



#72
Anthracene
Concen: 4.002 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

Tgt Ion:178 Resp: 32350
Ion Ratio Lower Upper
178 100
176 19.8 14.9 22.3
179 16.6 11.8 17.6





#73

Carbazole

Concen: 2.557 ng

RT: 11.551 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Instrument :

BNA_F

ClientSampleId :

MR-301P-0-2

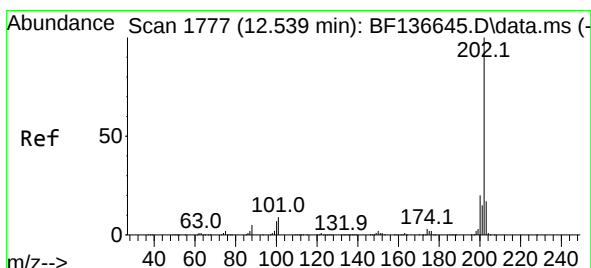
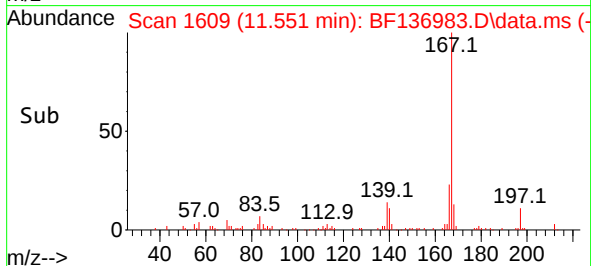
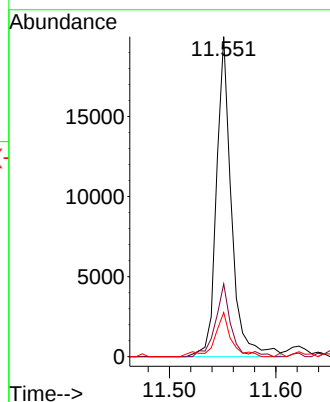
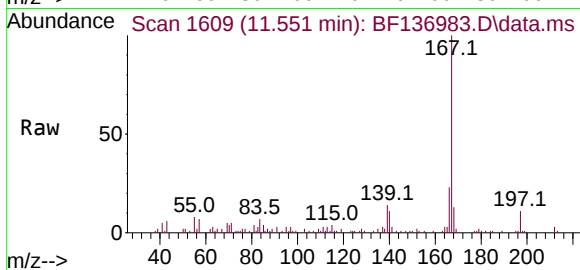
Tgt Ion:167 Resp: 19491

Ion Ratio Lower Upper

167 100

166 22.8 17.3 25.9

139 13.8 9.8 14.6



#75

Fluoranthene

Concen: 33.351 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

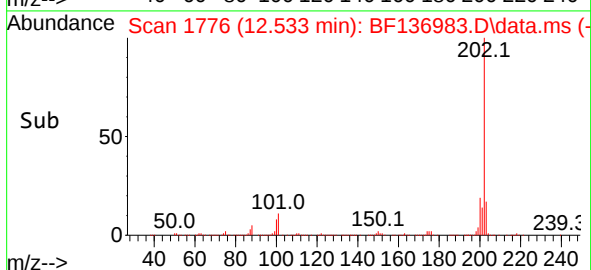
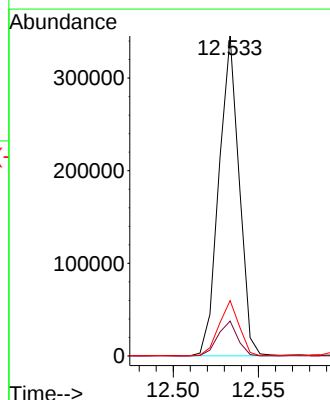
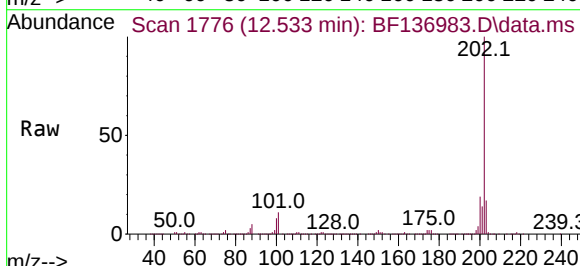
Tgt Ion:202 Resp: 284759

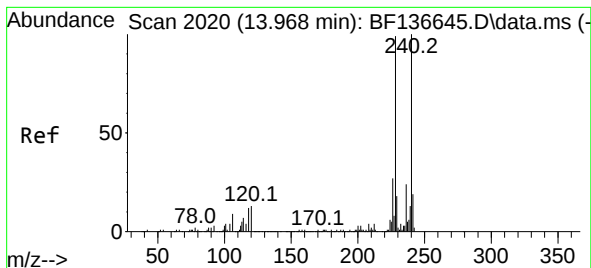
Ion Ratio Lower Upper

202 100

101 10.9 0.0 29.3

203 17.3 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Instrument :

BNA_F

ClientSampleId :

MR-301P-0-2

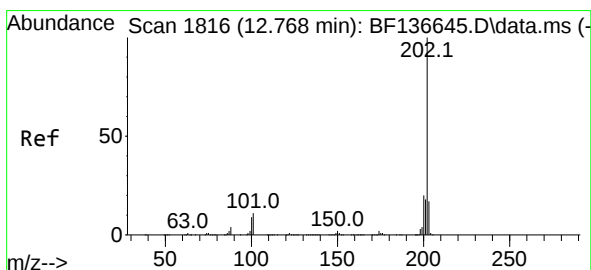
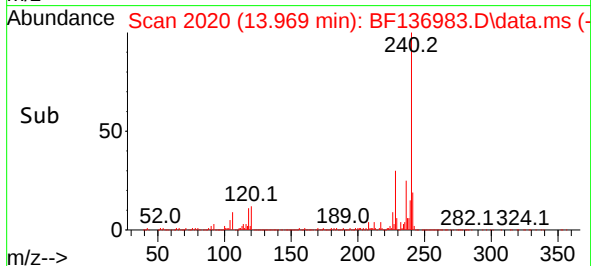
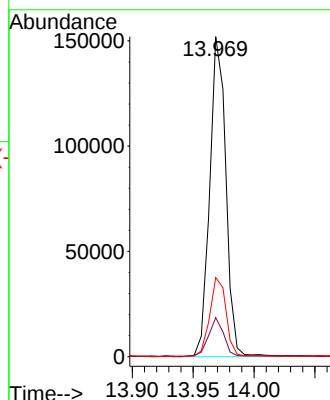
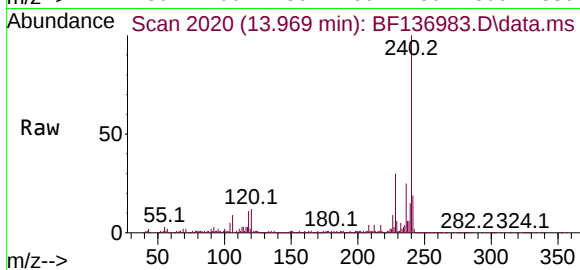
Tgt Ion:240 Resp: 139929

Ion Ratio Lower Upper

240 100

120 12.2 10.3 15.5

236 24.7 19.4 29.2



#78

Pyrene

Concen: 18.561 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

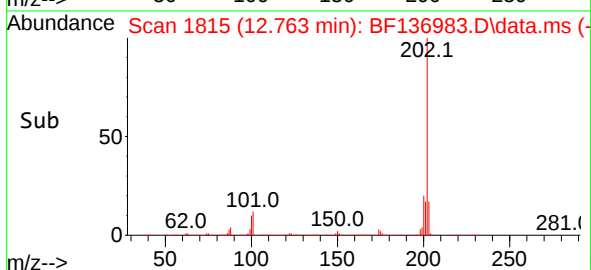
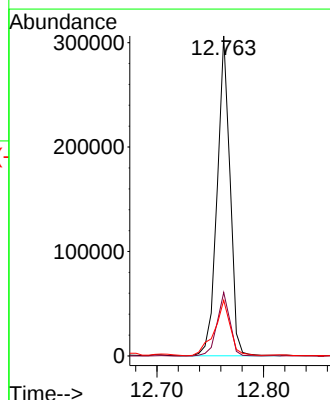
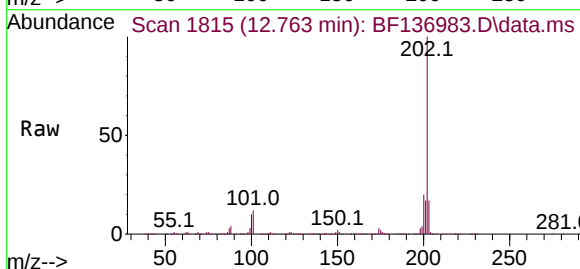
Tgt Ion:202 Resp: 254962

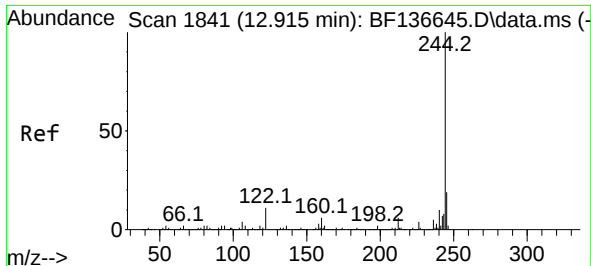
Ion Ratio Lower Upper

202 100

200 19.9 15.9 23.9

203 17.4 13.8 20.6

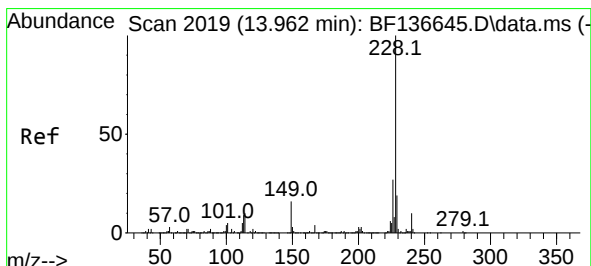
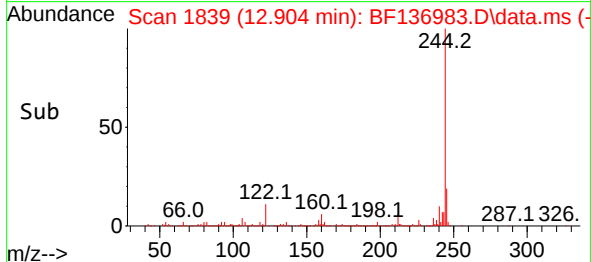
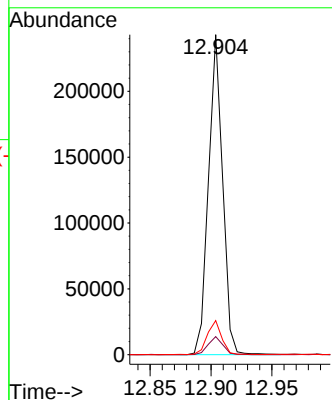
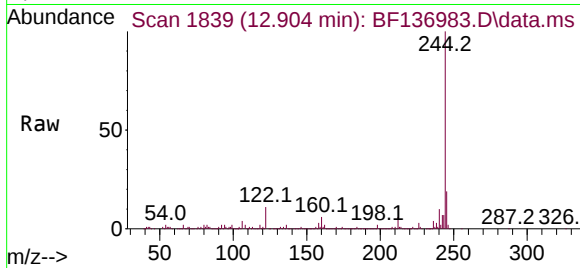




#79
 Terphenyl-d14
 Concen: 19.609 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF136983.D
 Acq: 05 Jan 2024 19:00

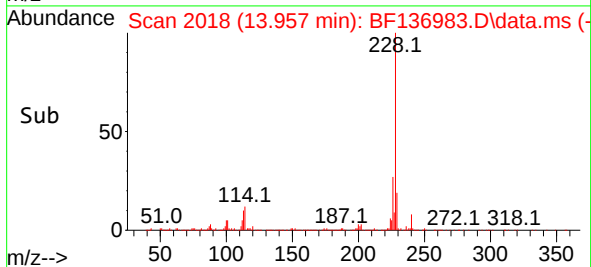
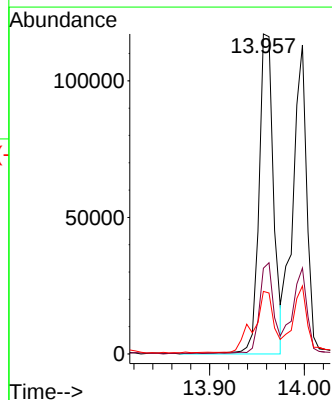
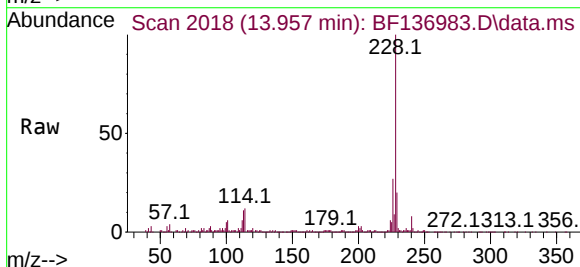
Instrument :
 BNA_F
 ClientSampleId :
 MR-301P-0-2

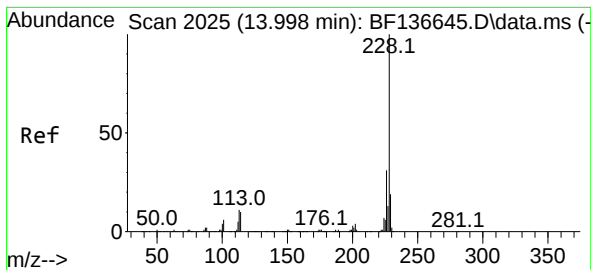
Tgt Ion:244 Resp: 196345
 Ion Ratio Lower Upper
 244 100
 212 5.7 5.0 7.4
 122 10.6 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 12.933 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF136983.D
 Acq: 05 Jan 2024 19:00

Tgt Ion:228 Resp: 125663
 Ion Ratio Lower Upper
 228 100
 226 26.8 21.4 32.0
 229 19.6 14.9 22.3





#83

Chrysene

Concen: 12.199 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Instrument :

BNA_F

ClientSampleId :

MR-301P-0-2

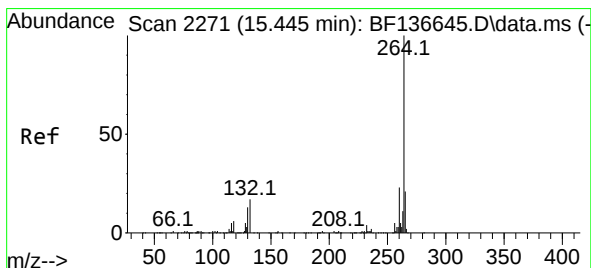
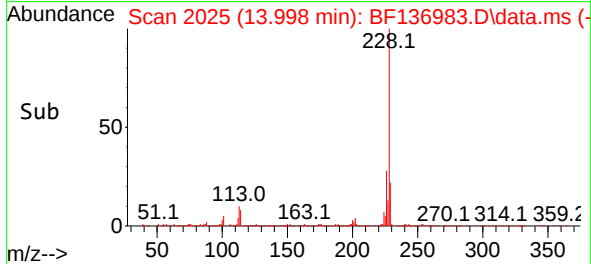
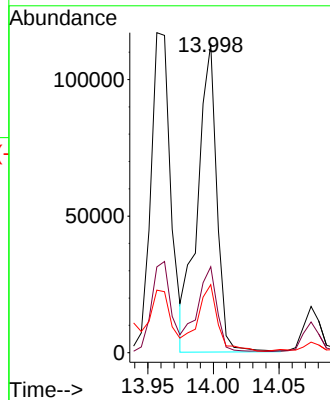
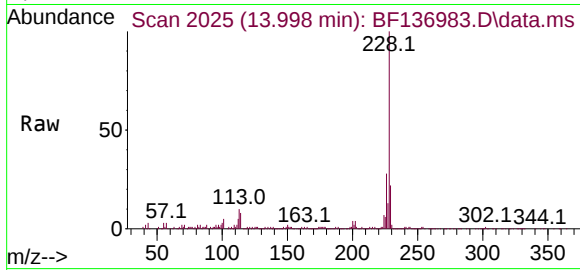
Tgt Ion:228 Resp: 115914

Ion Ratio Lower Upper

228 100

226 27.8 24.7 37.1

229 22.0 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2274

Delta R.T. 0.018 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

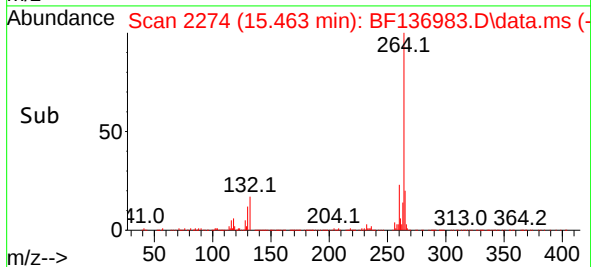
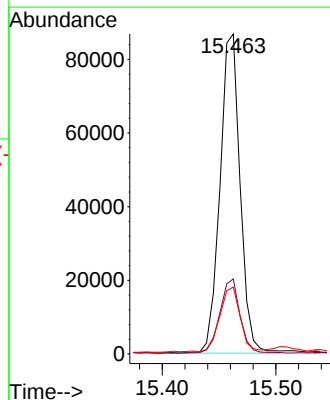
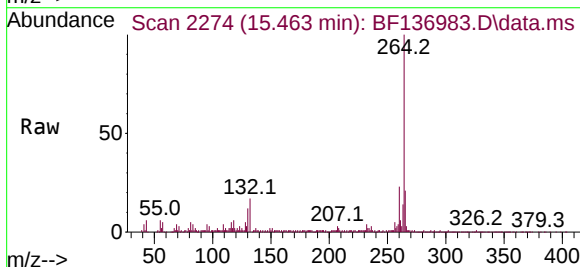
Tgt Ion:264 Resp: 106924

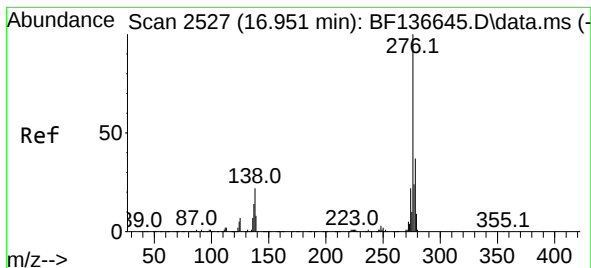
Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

265 20.9 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.537 ng

RT: 16.980 min Scan# 2198

Delta R.T. 0.030 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Instrument :

BNA_F

ClientSampleId :

MR-301P-0-2

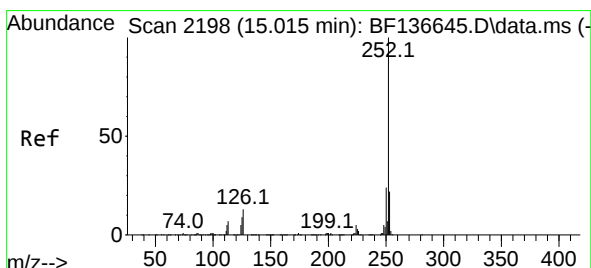
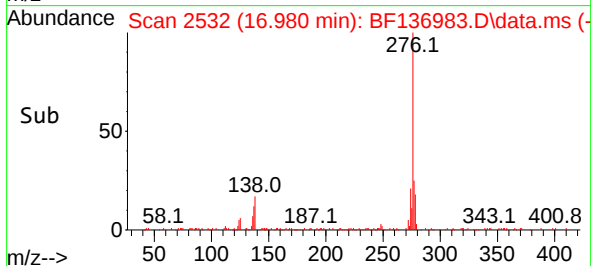
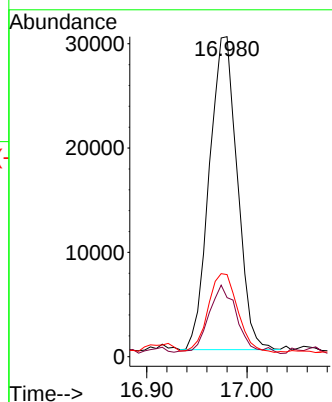
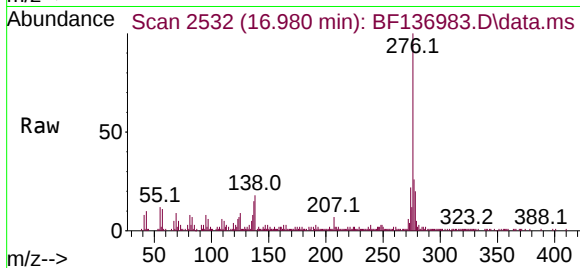
Tgt Ion:276 Resp: 58186

Ion Ratio Lower Upper

276 100

138 22.3 18.7 28.1

277 26.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 26.150 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

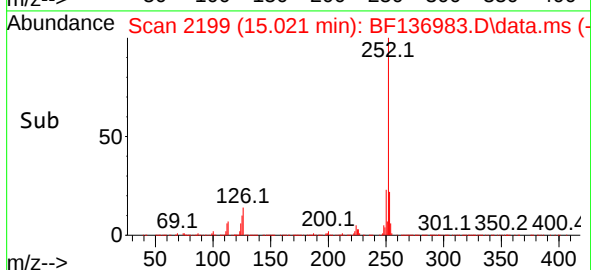
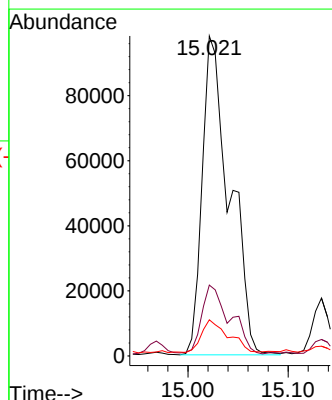
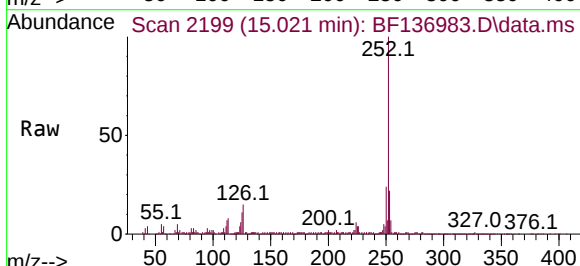
Tgt Ion:252 Resp: 186750

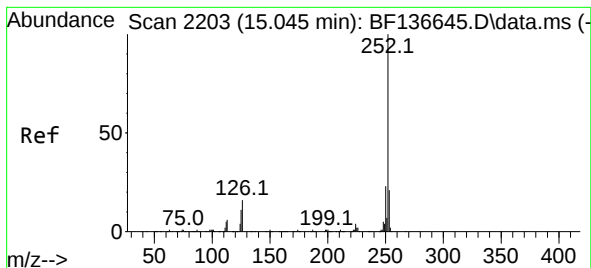
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 11.3 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 27.674 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.023 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Instrument :

BNA_F

ClientSampleId :

MR-301P-0-2

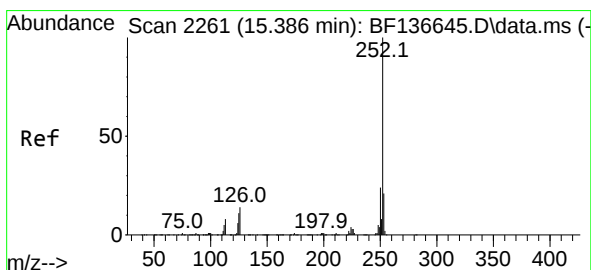
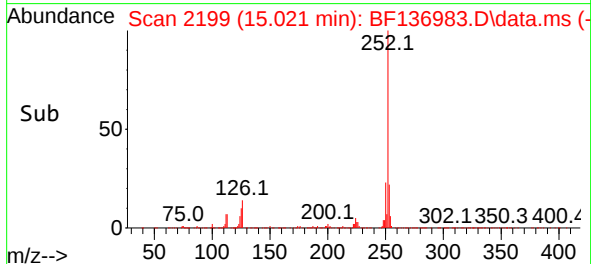
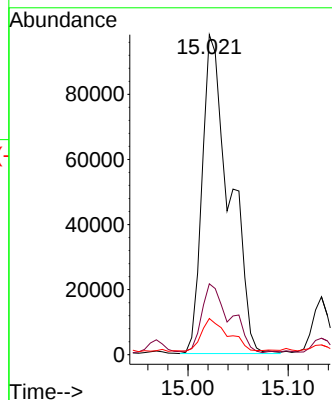
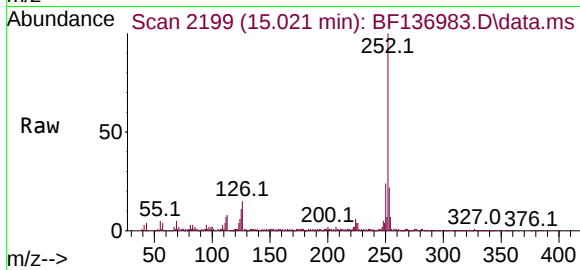
Tgt Ion:252 Resp: 186750

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

125 11.3 8.2 12.4



#90

Benzo(a)pyrene

Concen: 16.421 ng

RT: 15.398 min Scan# 2263

Delta R.T. 0.012 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

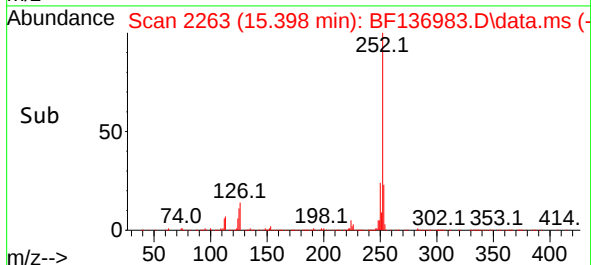
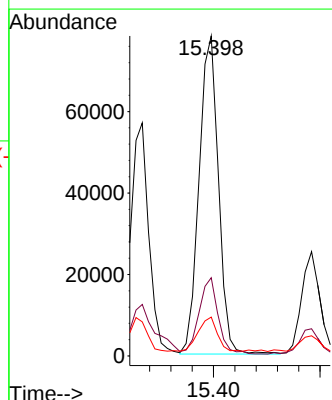
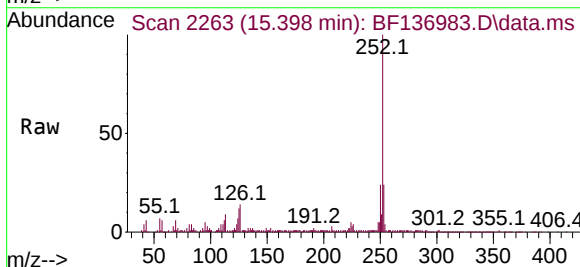
Tgt Ion:252 Resp: 98988

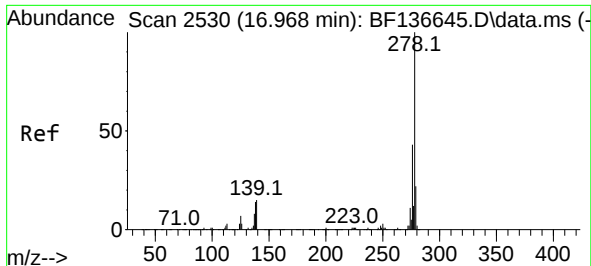
Ion Ratio Lower Upper

252 100

253 24.4 17.0 25.6

125 12.2 8.8 13.2

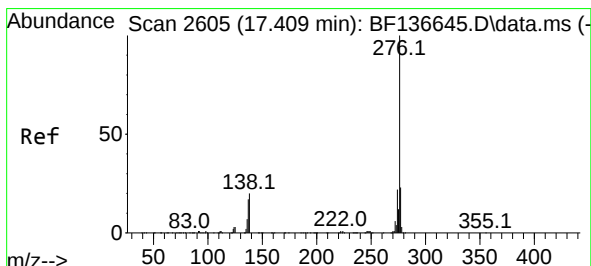
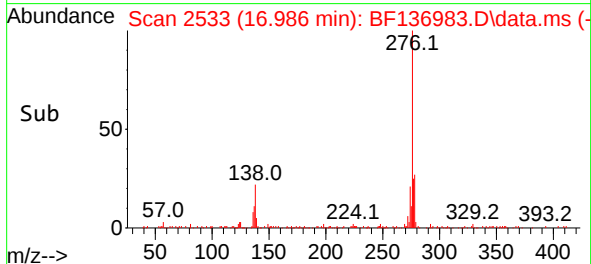
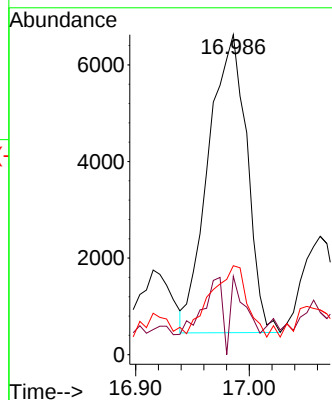
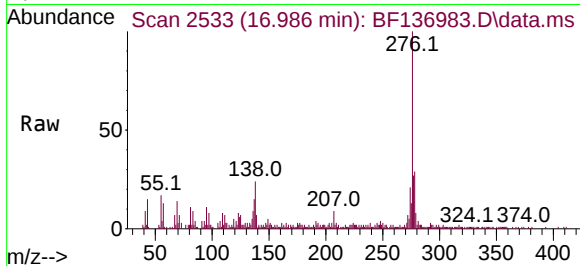




#91
Dibenzo(a,h)anthracene
Concen: 2.294 ng
RT: 16.986 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

Instrument :
BNA_F
ClientSampleId :
MR-301P-0-2

Tgt Ion:278 Resp: 14526
Ion Ratio Lower Upper
278 100
139 24.5 12.2 18.4#
279 27.8 17.8 26.6#



#92
Benzo(g,h,i)perylene
Concen: 9.445 ng
RT: 17.439 min Scan# 2610
Delta R.T. 0.030 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

Tgt Ion:276 Resp: 61267
Ion Ratio Lower Upper
276 100
277 25.8 18.3 27.5
138 20.6 15.6 23.4

