

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
 Data File : BF136064.D
 Acq On : 31 Oct 2023 21:44
 Operator : CG\JU
 Sample : 04878-01RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11995RE

Quant Time: Nov 01 00:38:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

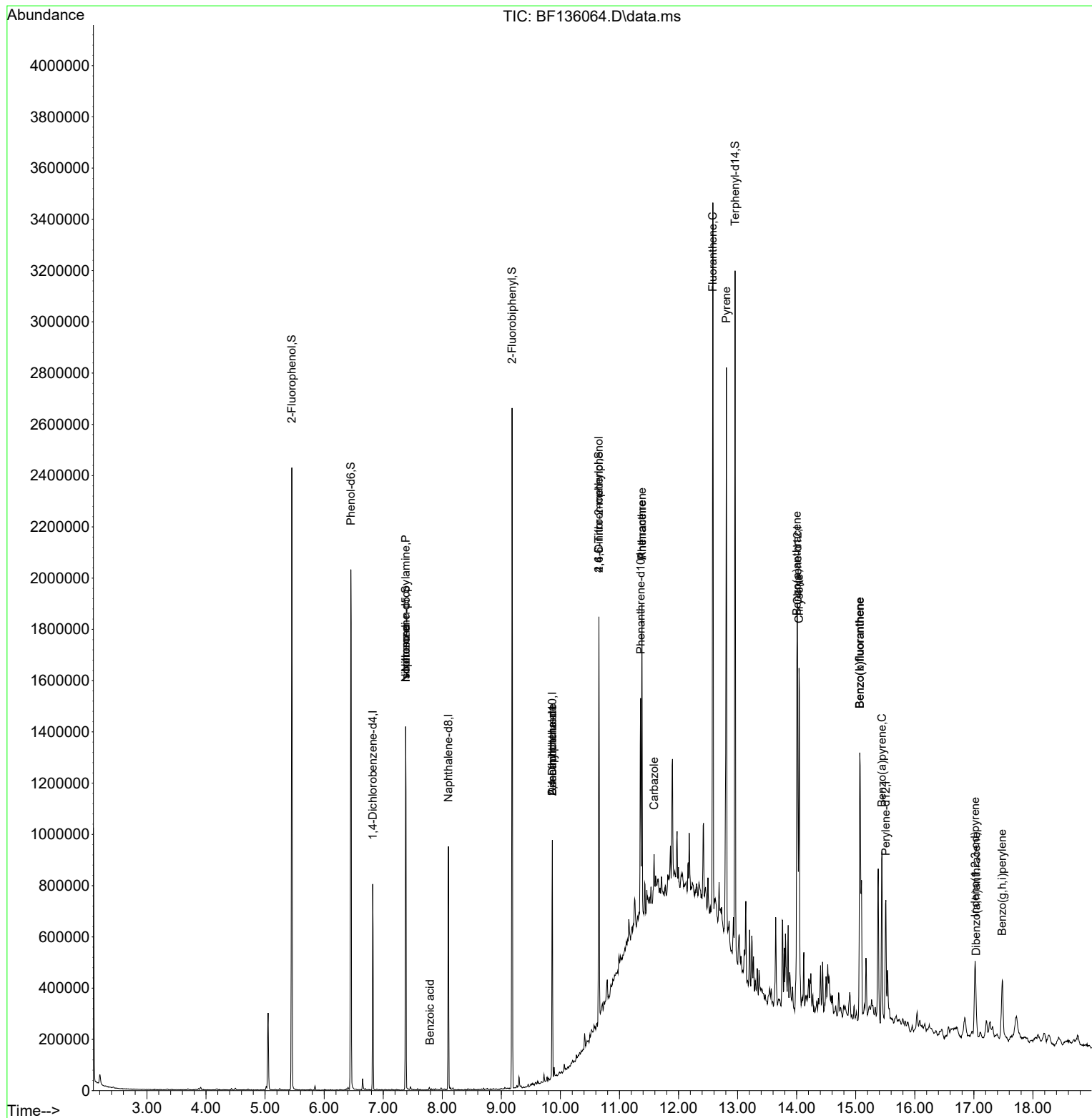
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	110920	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	375713	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	174284	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	327361	20.000	ng	0.00
76) Chrysene-d12	14.016	240	292337	20.000	ng	0.00
86) Perylene-d12	15.510	264	225414	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	656871	93.059	ng	0.00
7) Phenol-d6	6.451	99	742576	84.435	ng	0.00
23) Nitrobenzene-d5	7.381	82	419245	67.267	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	187656	100.876	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	720059	65.861	ng	0.00
79) Terphenyl-d14	12.957	244	928447	49.355	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	55180	10.981	ng	# 79
25) Isophorone	7.381	82	419236	35.630	ng	# 64
32) Benzoic acid	7.793	122	297	5.175	ng	# 59
50) Dimethylphthalate	9.863	163	35591	3.096	ng	# 1
57) 2,4-Dinitrotoluene	9.863	165	22824	7.337	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.651	198	502	6.036	ng	# 1
71) Phenanthrene	11.381	178	417526	25.331	ng	99
72) Anthracene	11.381	178	417526	24.721	ng	99
73) Carbazole	11.586	167	57400	3.911	ng	# 92
75) Fluoranthene	12.580	202	1099930	64.958	ng	99
78) Pyrene	12.810	202	889678	34.519	ng	100
81) Benzo(a)anthracene	14.004	228	493878	25.519	ng	97
83) Chrysene	14.039	228	562088	29.491	ng	99
87) Indeno(1,2,3-cd)pyrene	17.021	276	222426	15.098	ng	94
88) Benzo(b)fluoranthene	15.069	252	808959	60.650	ng	96
89) Benzo(k)fluoranthene	15.069	252	808959	61.297	ng	96
90) Benzo(a)pyrene	15.445	252	329475	26.585	ng	98
91) Dibenzo(a,h)anthracene	17.039	278	56588	4.689	ng	95
92) Benzo(g,h,i)perylene	17.480	276	203267	16.797	ng	99

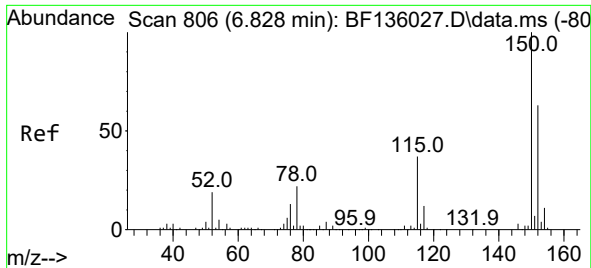
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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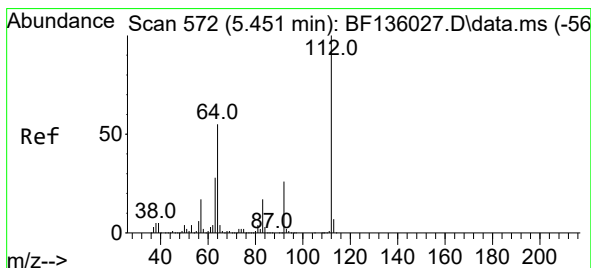
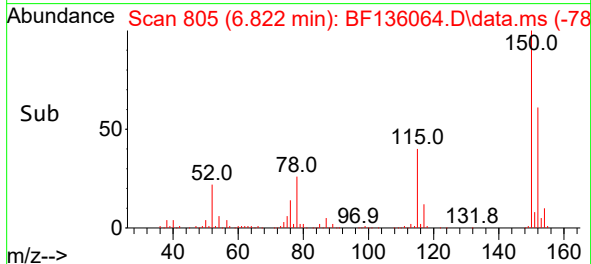
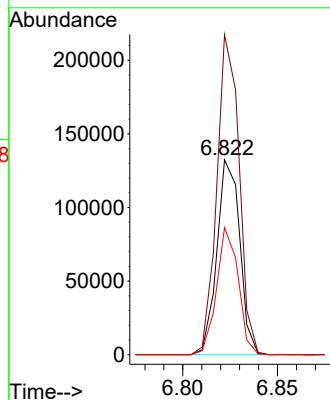
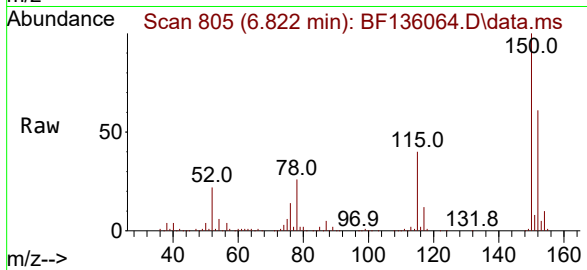




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

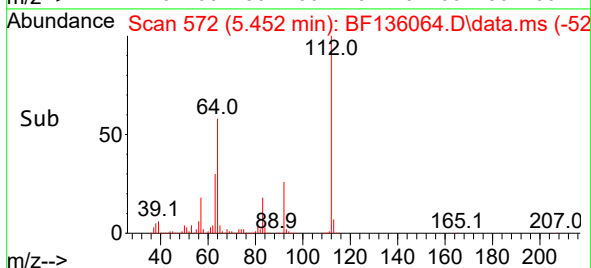
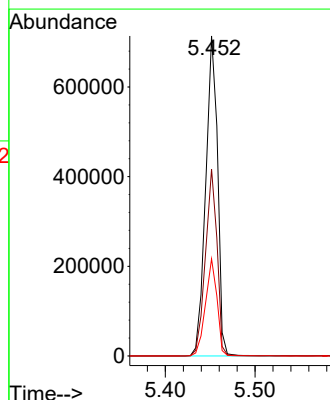
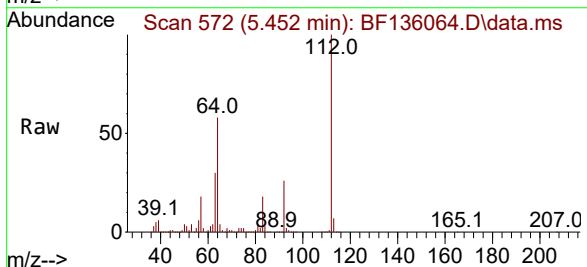
Instrument :
BNA_F
ClientSampleId :
72-11995RE

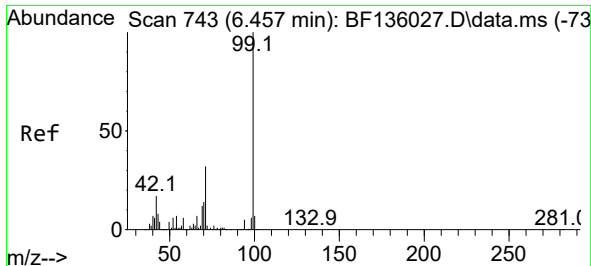
Tgt Ion:152 Resp: 110920
Ion Ratio Lower Upper
152 100
150 164.2 126.4 189.6
115 65.1 47.0 70.4



#5
2-Fluorophenol
Concen: 93.059 ng
RT: 5.452 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Tgt Ion:112 Resp: 656871
Ion Ratio Lower Upper
112 100
64 58.4 43.9 65.9
63 30.4 22.4 33.6

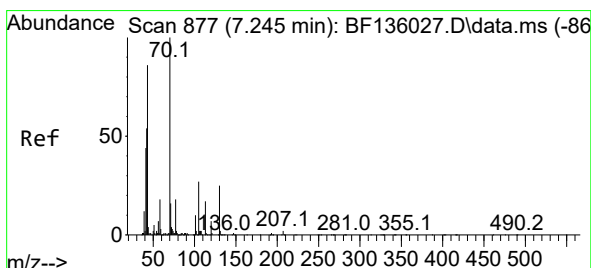
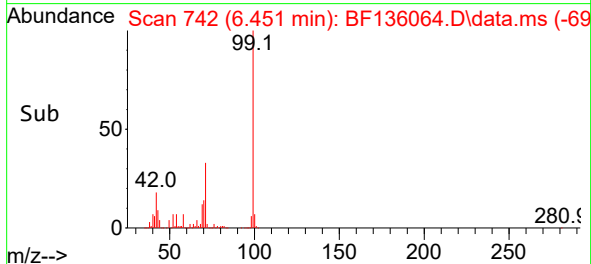
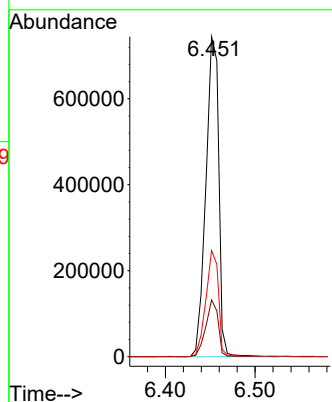
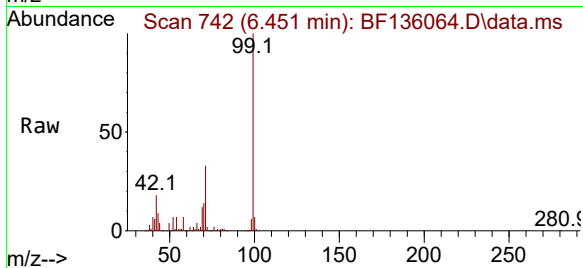




#7
Phenol-d6
Concen: 84.435 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

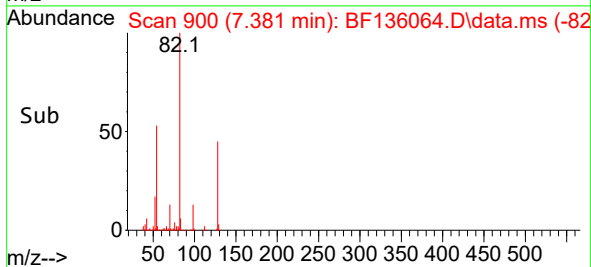
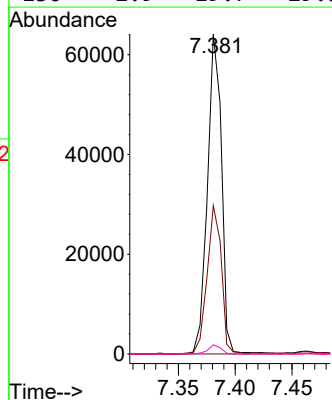
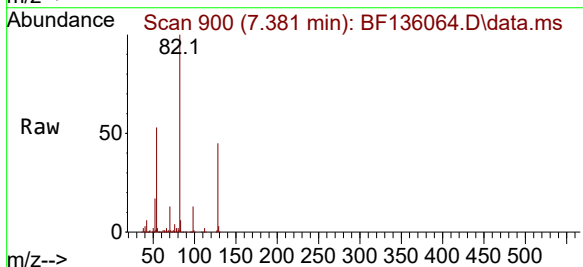
Instrument :
BNA_F
ClientSampleId :
72-11995RE

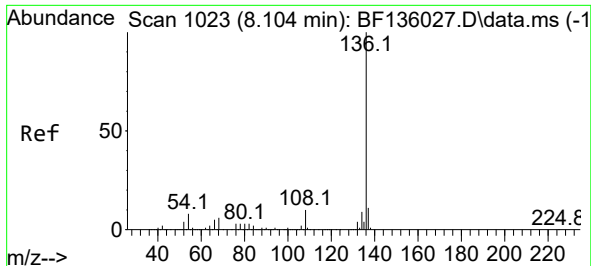
Tgt Ion: 99 Resp: 742576
Ion Ratio Lower Upper
99 100
42 17.8 13.7 20.5
71 33.2 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.981 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.136 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Tgt Ion: 70 Resp: 55180
Ion Ratio Lower Upper
70 100
42 46.3 43.0 64.4
101 0.0 8.0 12.0#
130 2.9 19.7 29.5#



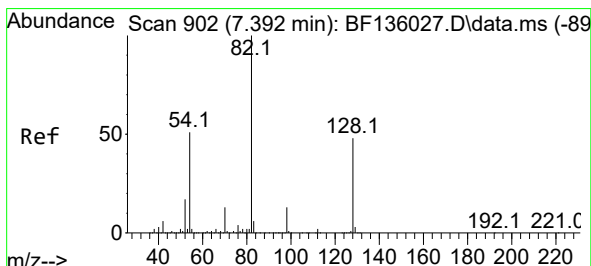
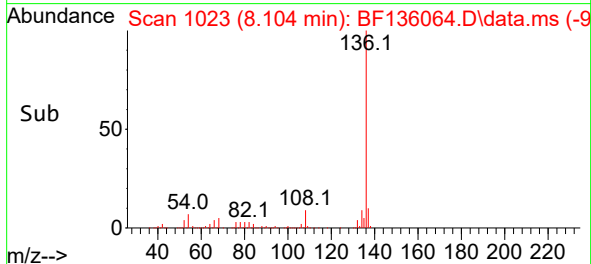
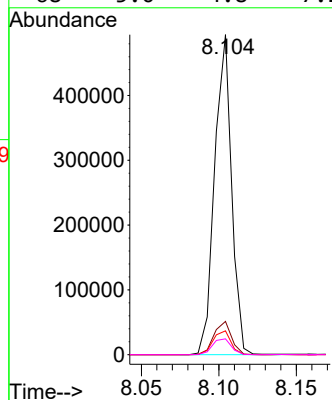
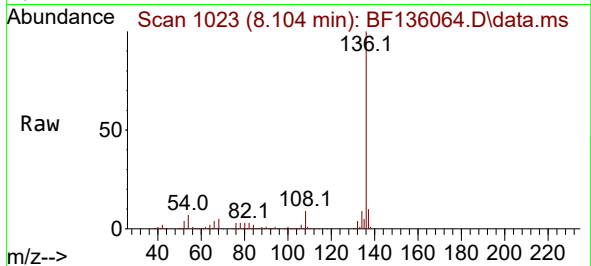


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Instrument :
BNA_F
ClientSampleId :
72-11995RE

Tgt Ion:136 Resp: 375713

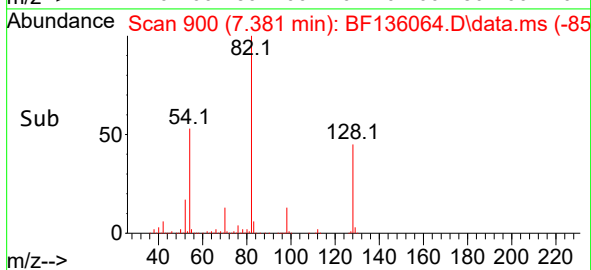
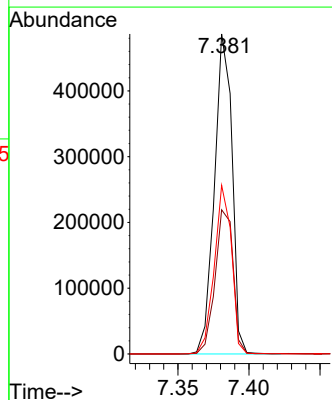
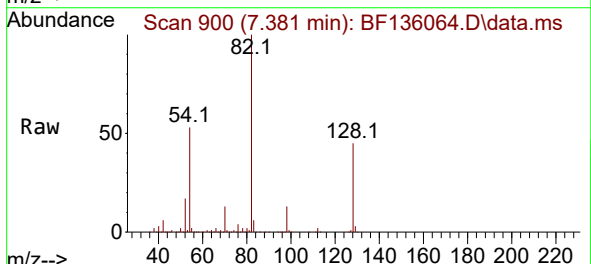
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	7.4	6.6	9.8
68	5.0	4.8	7.2

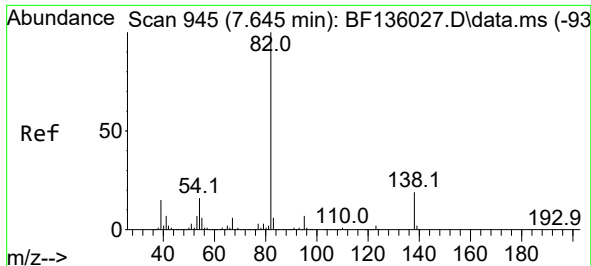


#23
Nitrobenzene-d5
Concen: 67.267 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.011 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Tgt Ion: 82 Resp: 419245

Ion	Ratio	Lower	Upper
82	100		
128	45.0	38.6	57.8
54	52.7	40.8	61.2

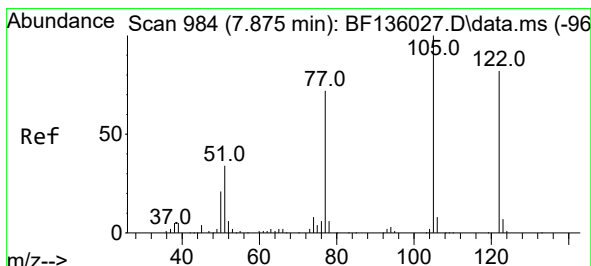
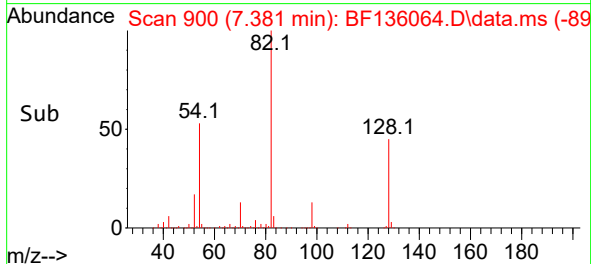
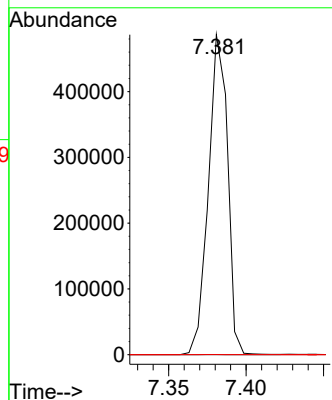
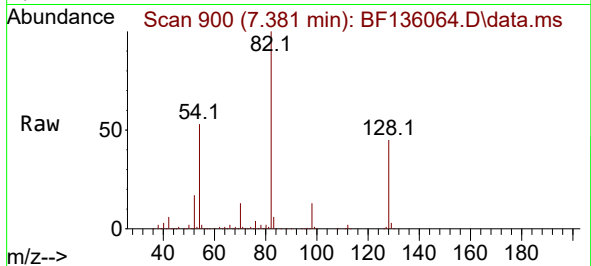




#25
Isophorone
Concen: 35.630 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

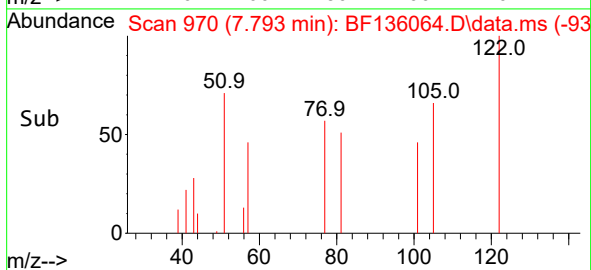
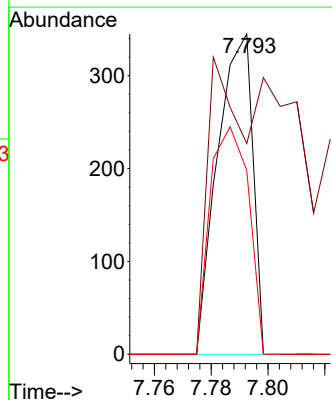
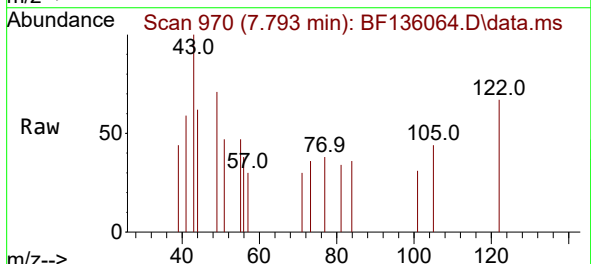
Instrument :
BNA_F
ClientSampleId :
72-11995RE

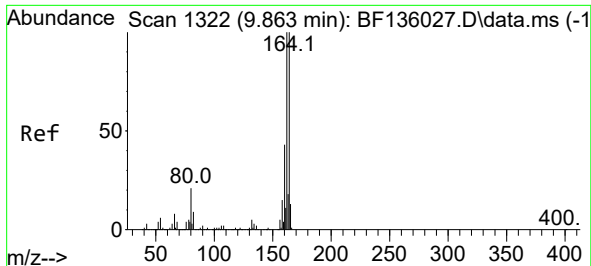
Tgt Ion: 82 Resp: 419236
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 5.175 ng
RT: 7.793 min Scan# 970
Delta R.T. -0.082 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Tgt Ion: 122 Resp: 297
Ion Ratio Lower Upper
122 100
105 65.8 99.5 139.5#
77 57.4 66.8 106.8#

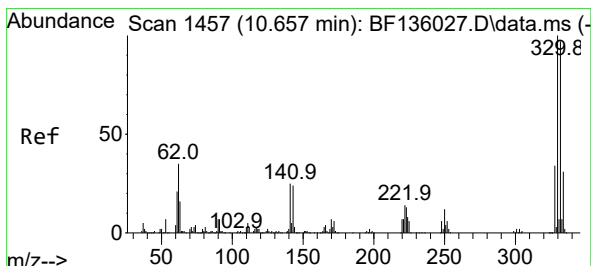
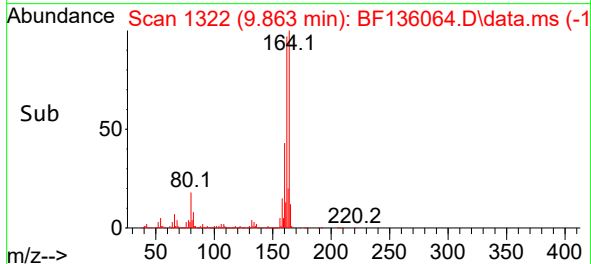
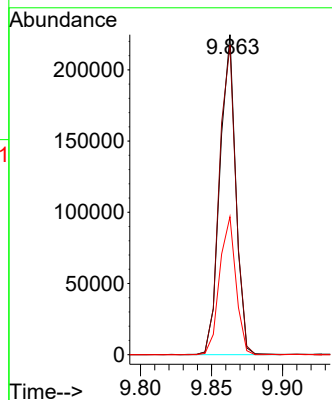
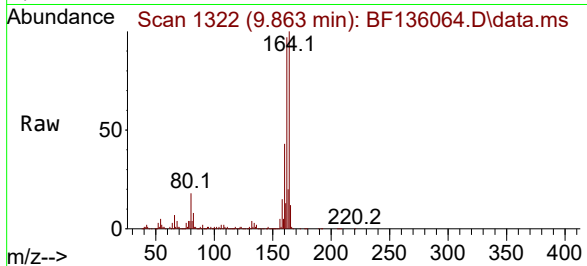




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

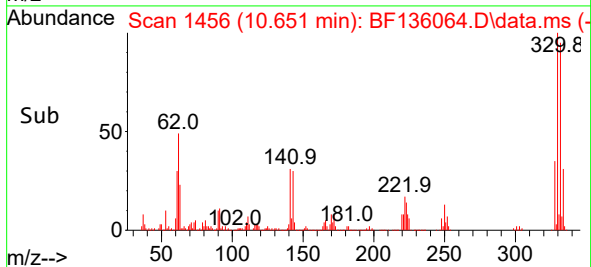
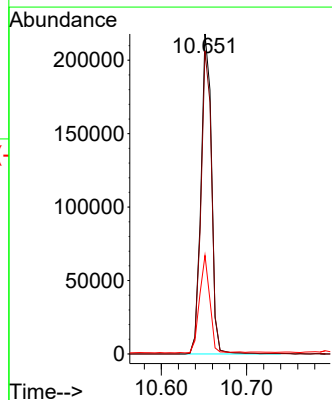
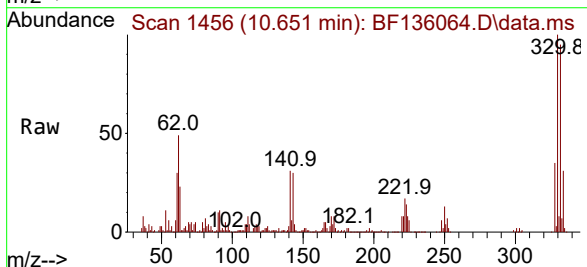
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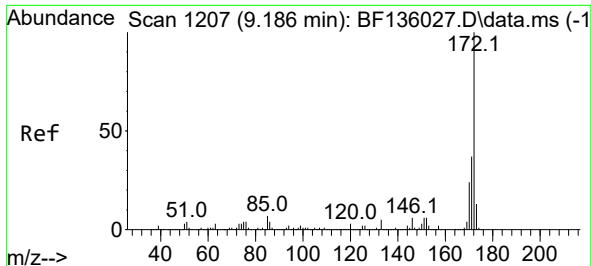
Tgt Ion:164 Resp: 174284
Ion Ratio Lower Upper
164 100
162 96.7 80.1 120.1
160 43.1 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 100.876 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Tgt Ion:330 Resp: 187656
Ion Ratio Lower Upper
330 100
332 95.2 76.9 115.3
141 29.5 23.2 34.8

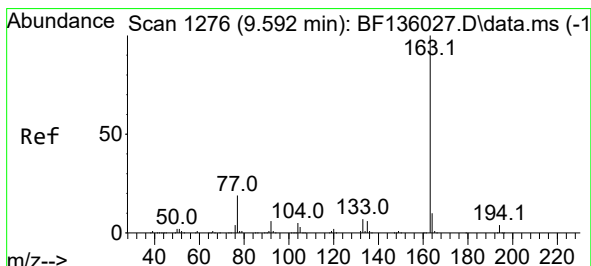
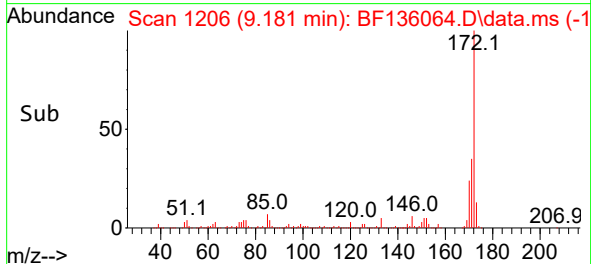
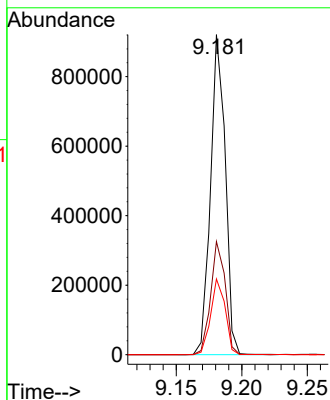
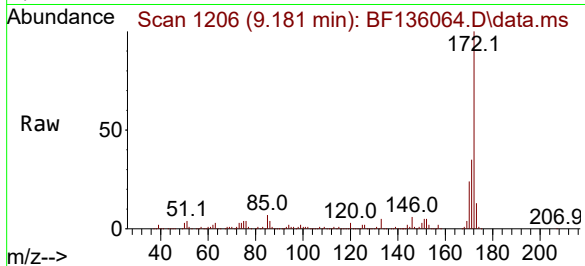




#45
2-Fluorobiphenyl
Concen: 65.861 ng
RT: 9.181 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

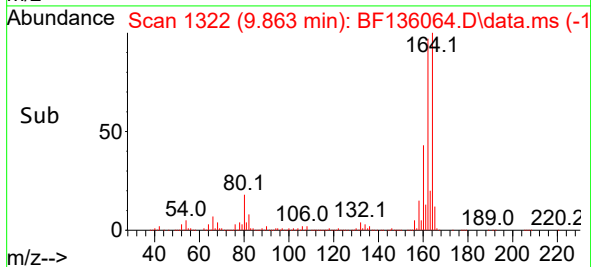
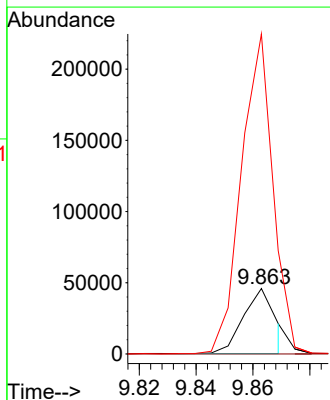
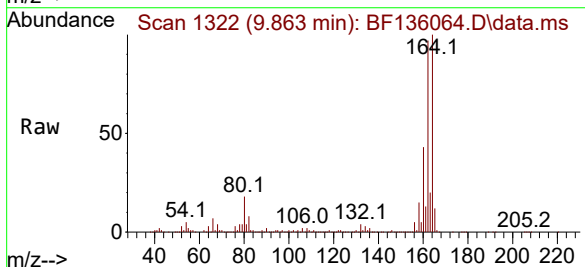
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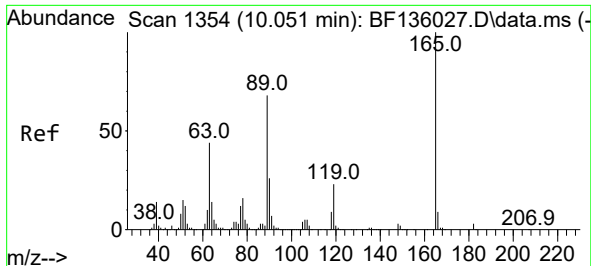
Tgt Ion:172 Resp: 720059
Ion Ratio Lower Upper
172 100
171 35.3 29.4 44.0
170 23.6 19.3 28.9



#50
Dimethylphthalate
Concen: 3.096 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.271 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Tgt Ion:163 Resp: 35591
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 488.9 8.1 12.1#





#57

2,4-Dinitrotoluene

Concen: 7.337 ng

RT: 9.863 min Scan# 1

Delta R.T. -0.188 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

72-11995RE

Tgt Ion:165 Resp: 22824

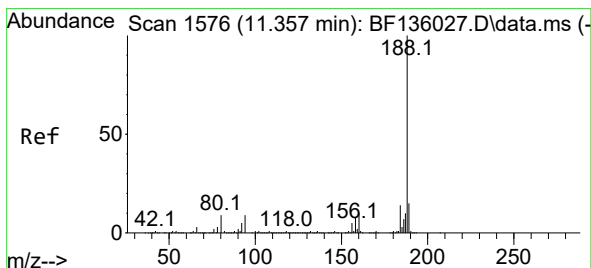
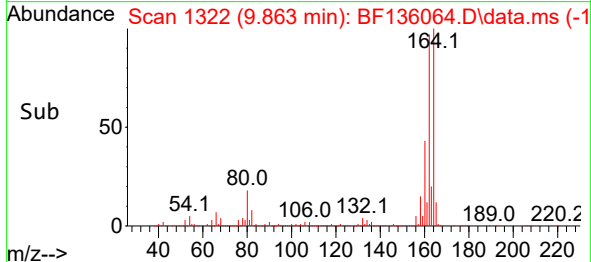
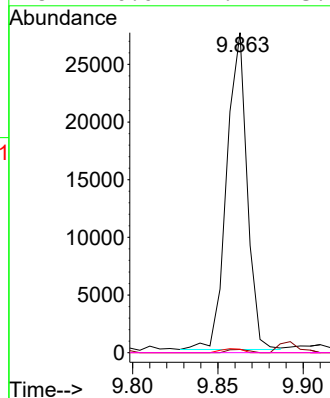
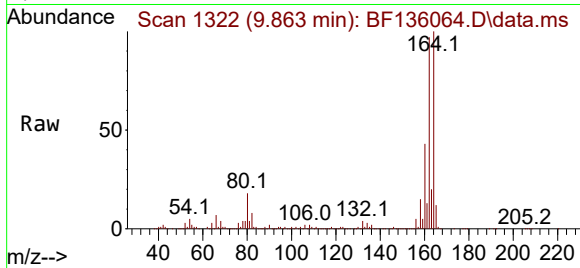
Ion Ratio Lower Upper

165 100

63 1.0 35.2 52.8#

89 1.1 54.8 82.2#

182 0.0 2.2 3.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1576

Delta R.T. 0.000 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

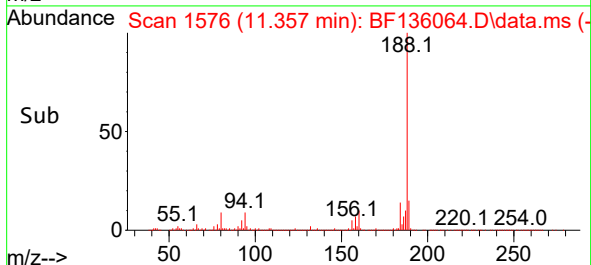
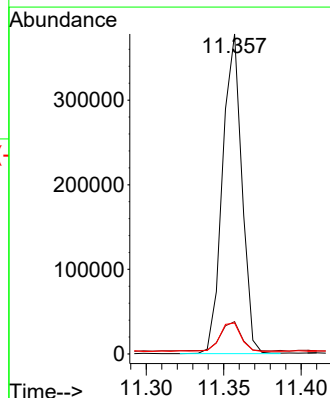
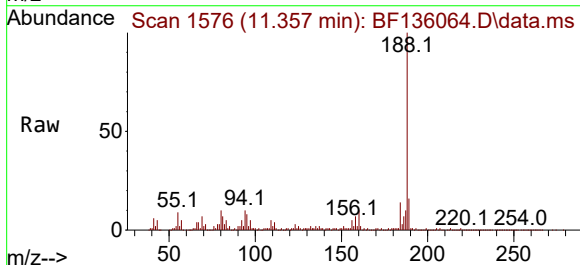
Tgt Ion:188 Resp: 327361

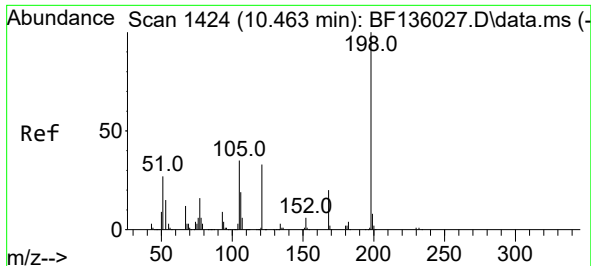
Ion Ratio Lower Upper

188 100

94 10.1 7.2 10.8

80 9.7 7.4 11.0





#65

4,6-Dinitro-2-methylphenol

Concen: 6.036 ng

RT: 10.651 min Scan# 14

Delta R.T. 0.188 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

72-11995RE

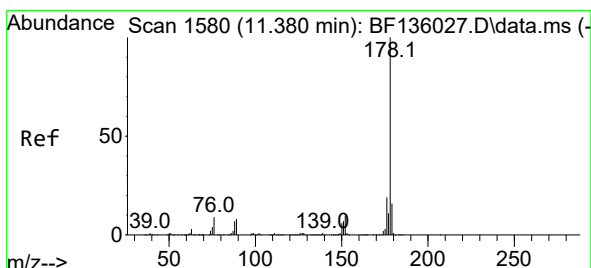
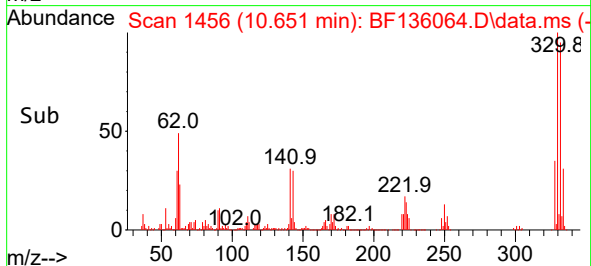
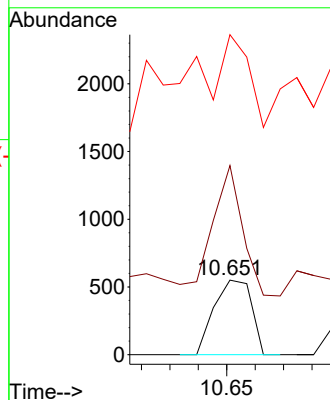
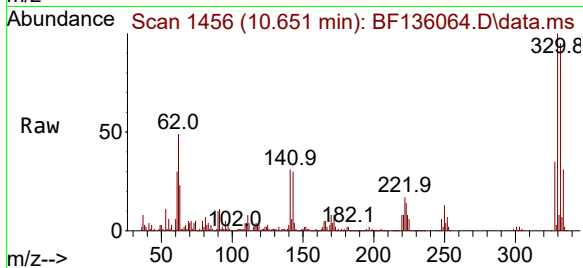
Tgt Ion:198 Resp: 502

Ion Ratio Lower Upper

198 100

51 254.0 12.9 52.9#

105 429.6 16.0 56.0#



#71

Phenanthrene

Concen: 25.331 ng

RT: 11.381 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

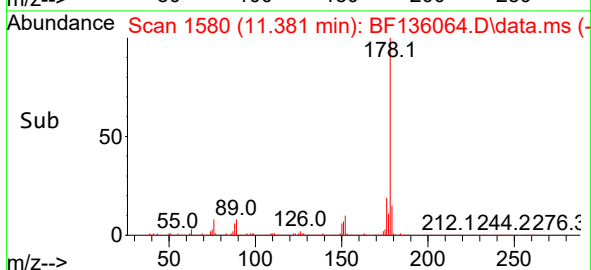
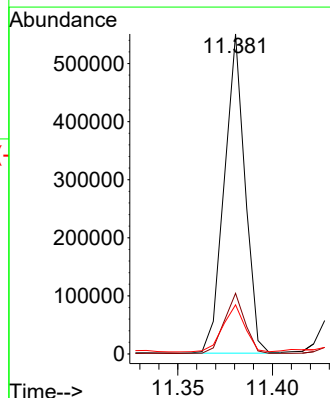
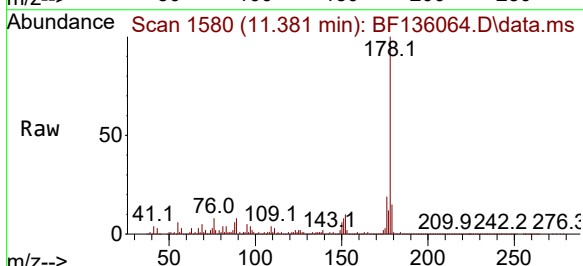
Tgt Ion:178 Resp: 417526

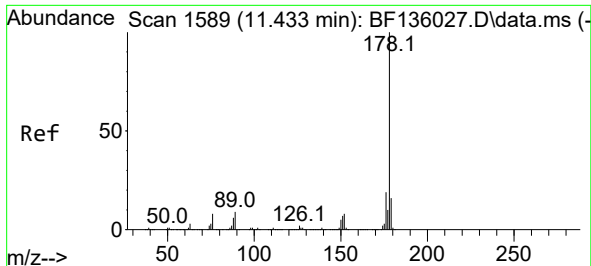
Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

179 15.3 12.9 19.3

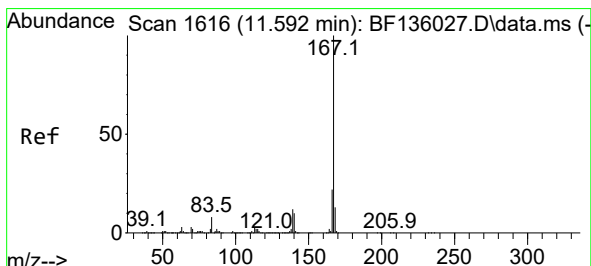
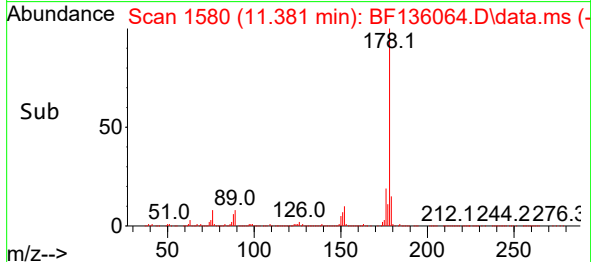
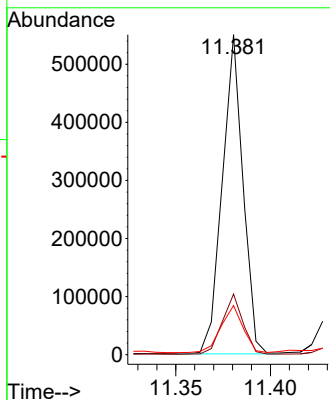
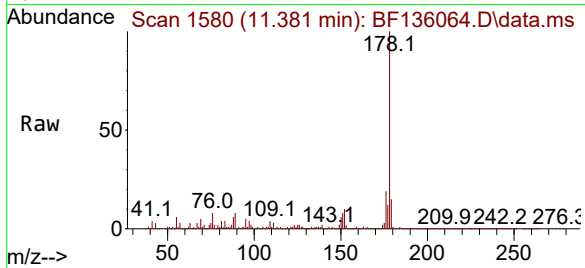




#72
 Anthracene
 Concen: 24.721 ng
 RT: 11.381 min Scan# 11
 Delta R.T. -0.053 min
 Lab File: BF136064.D
 Acq: 31 Oct 2023 21:44

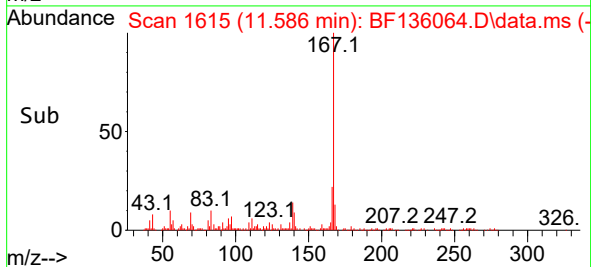
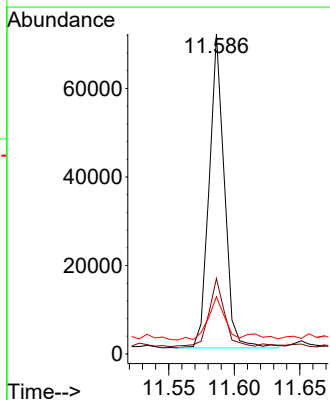
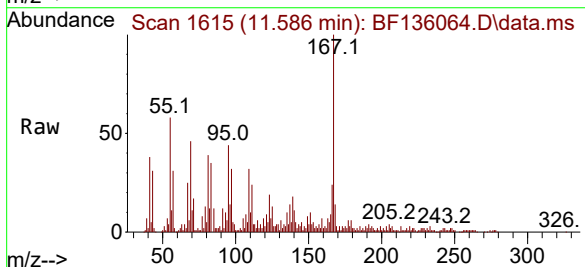
Instrument :
 BNA_F
 ClientSampleId :
 72-11995RE

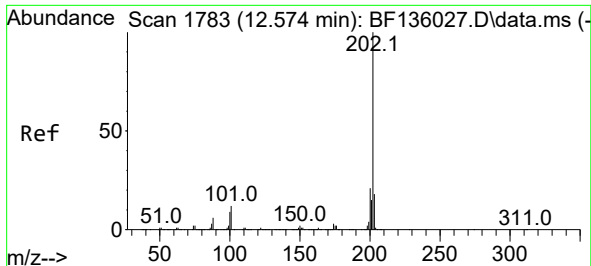
Tgt Ion:178 Resp: 417526
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.0 22.4
 179 15.3 12.6 18.8



#73
 Carbazole
 Concen: 3.911 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. -0.006 min
 Lab File: BF136064.D
 Acq: 31 Oct 2023 21:44

Tgt Ion:167 Resp: 57400
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.2 25.8
 139 17.9 9.9 14.9#

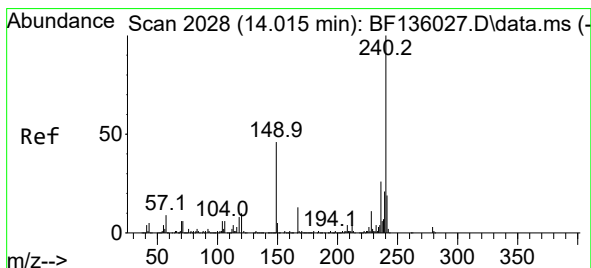
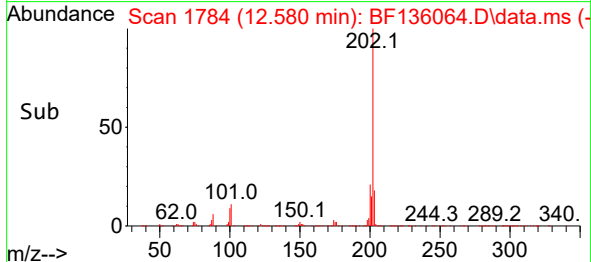
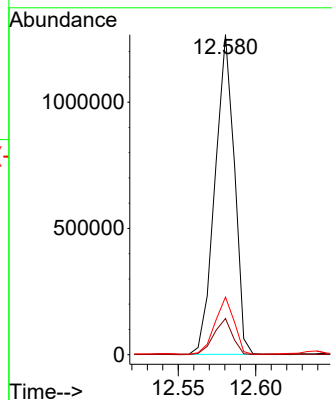
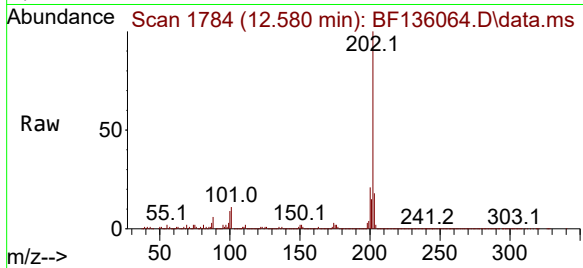




#75
Fluoranthene
Concen: 64.958 ng
RT: 12.580 min Scan# 1783
Delta R.T. 0.006 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

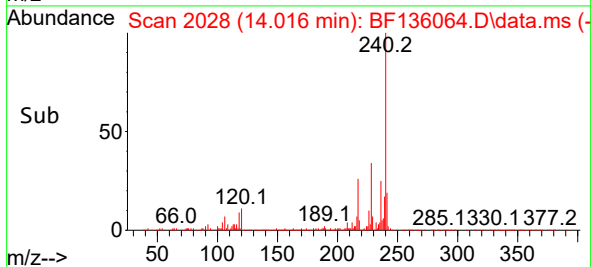
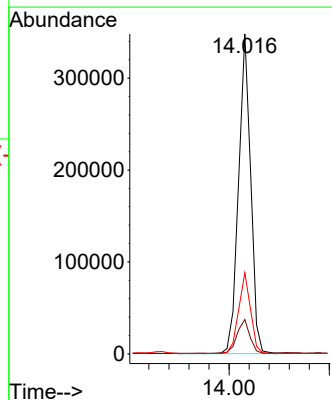
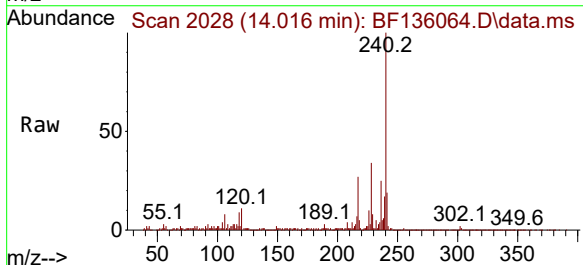
Instrument :
BNA_F
ClientSampleId :
72-11995RE

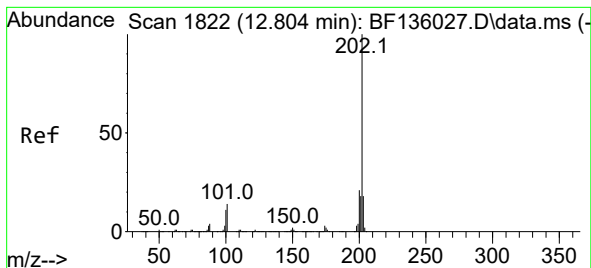
Tgt Ion:202 Resp: 1099930
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.8
203 18.0 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Tgt Ion:240 Resp: 292337
Ion Ratio Lower Upper
240 100
120 10.8 7.6 11.4
236 25.4 20.6 31.0





#78

Pyrene

Concen: 34.519 ng

RT: 12.810 min Scan# 1822

Delta R.T. 0.006 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

72-11995RE

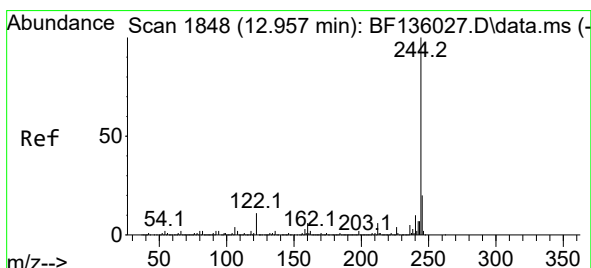
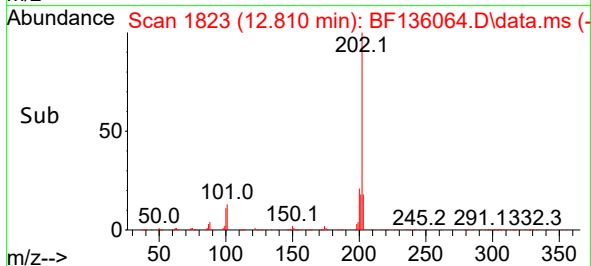
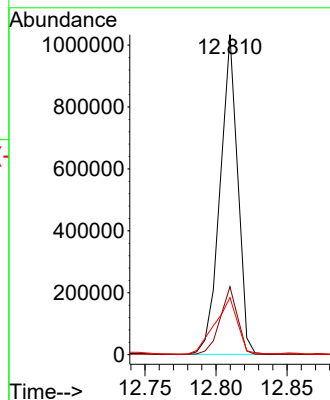
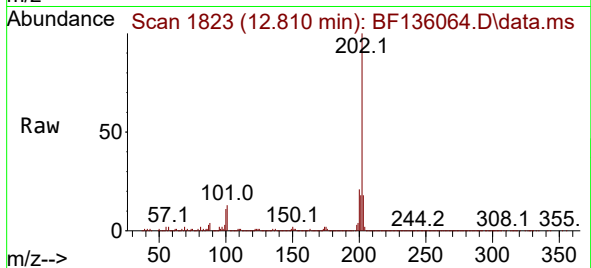
Tgt Ion:202 Resp: 889678

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.9 14.4 21.6



#79

Terphenyl-d14

Concen: 49.355 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

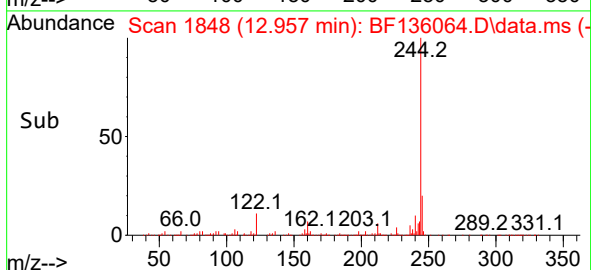
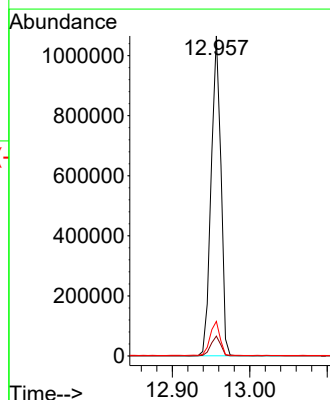
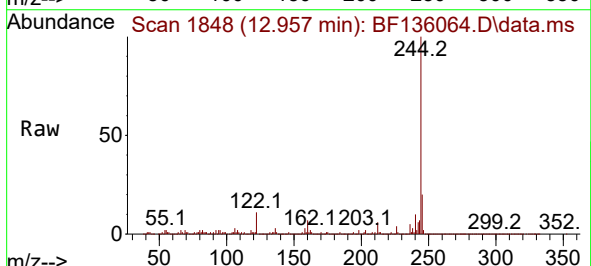
Tgt Ion:244 Resp: 928447

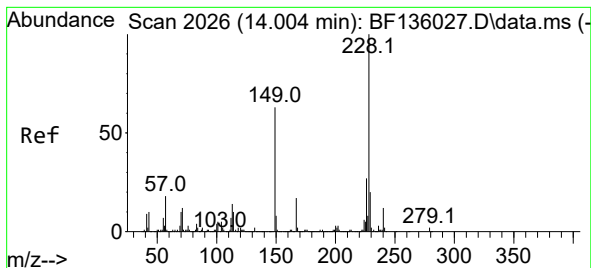
Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

122 10.8 8.6 12.8





#81

Benzo(a)anthracene

Concen: 25.519 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

72-11995RE

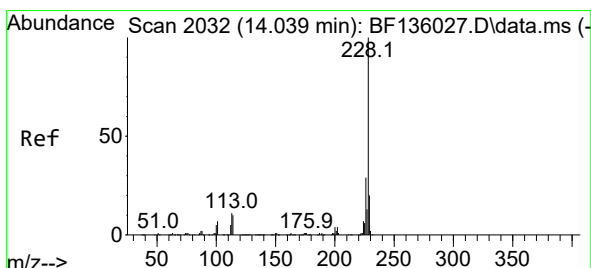
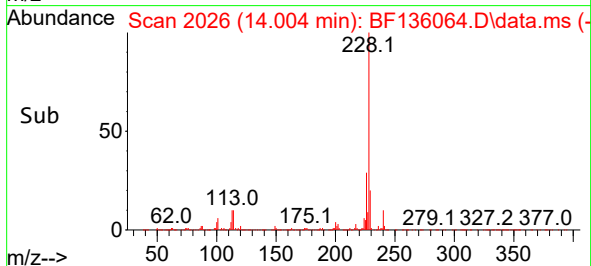
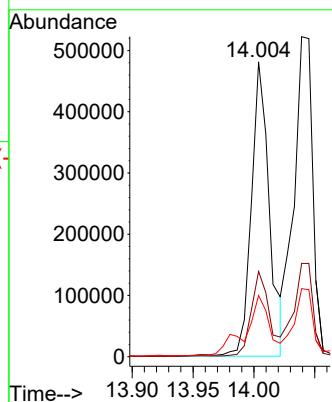
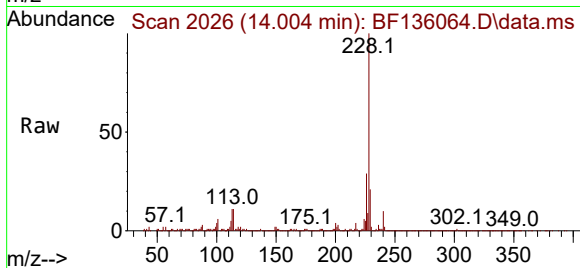
Tgt Ion:228 Resp: 493878

Ion Ratio Lower Upper

228 100

226 28.9 21.5 32.3

229 20.7 15.8 23.6



#83

Chrysene

Concen: 29.491 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

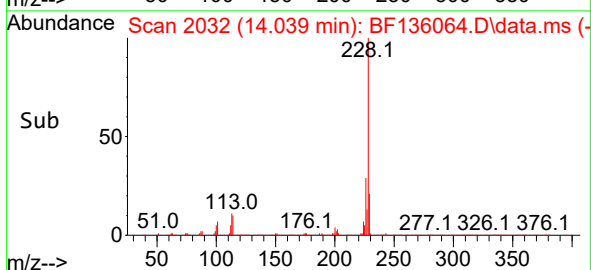
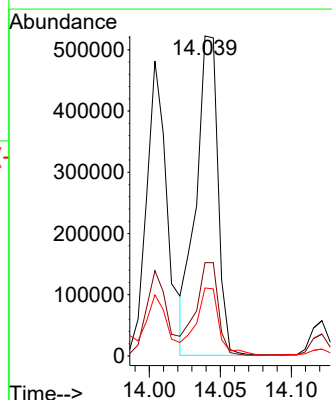
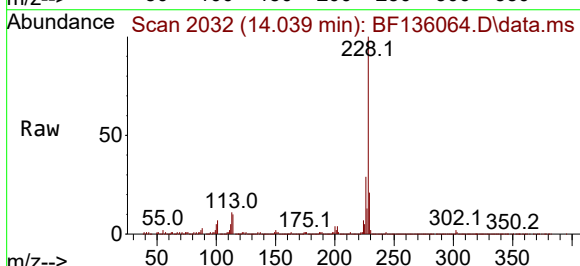
Tgt Ion:228 Resp: 562088

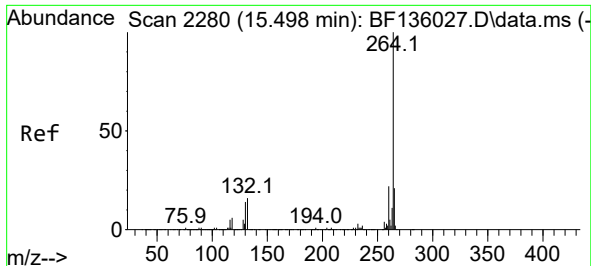
Ion Ratio Lower Upper

228 100

226 29.1 23.5 35.3

229 21.3 16.0 24.0



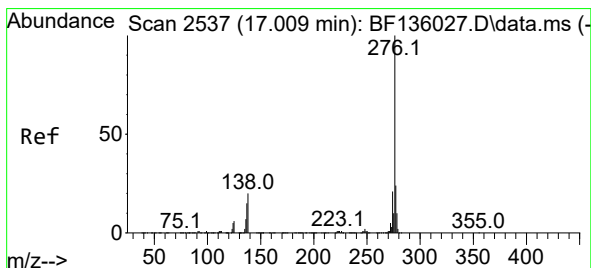
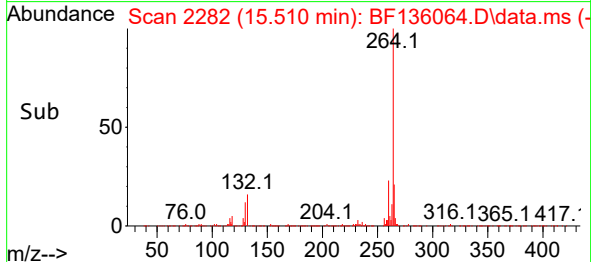
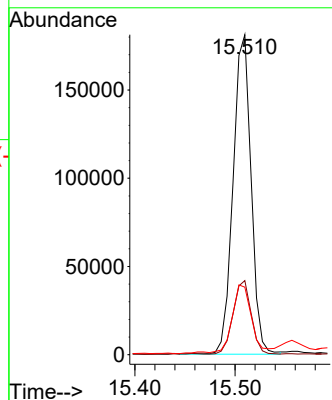
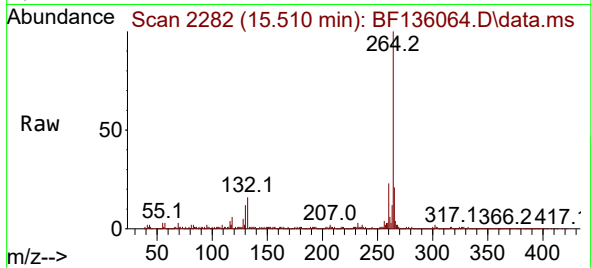


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Instrument :
BNA_F
ClientSampleId :
72-11995RE

Tgt Ion:264 Resp: 225414

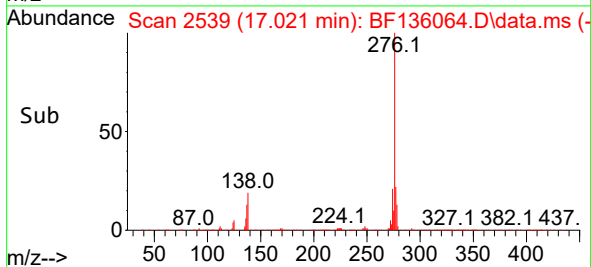
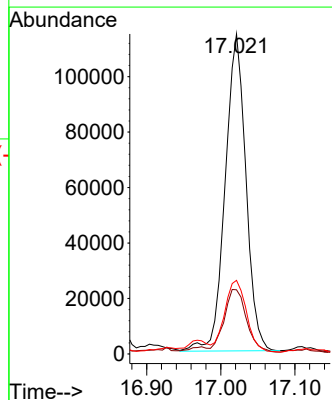
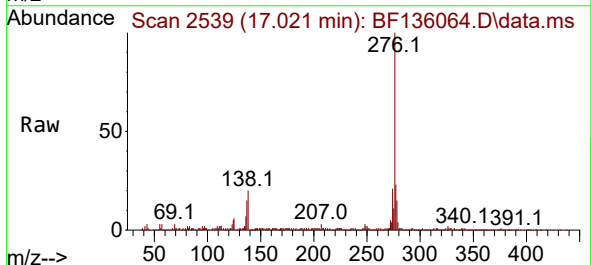
Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.9	26.9
265	21.1	16.8	25.2

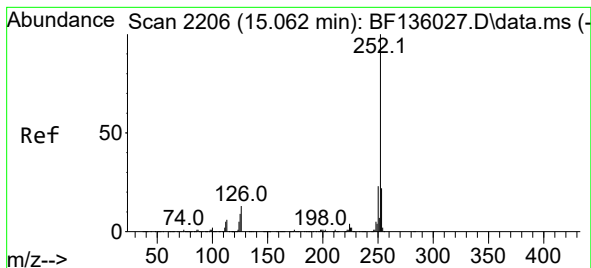


#87
Indeno(1,2,3-cd)pyrene
Concen: 15.098 ng
RT: 17.021 min Scan# 2539
Delta R.T. 0.012 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Tgt Ion:276 Resp: 222426

Ion	Ratio	Lower	Upper
276	100		
138	21.1	20.4	30.6
277	23.9	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 60.650 ng

RT: 15.069 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

72-11995RE

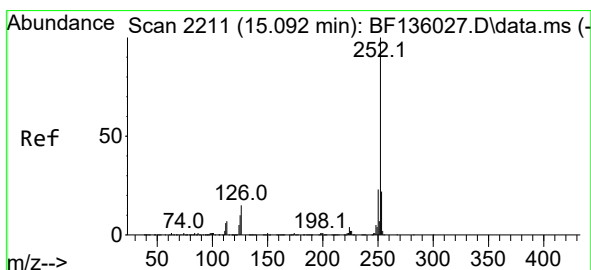
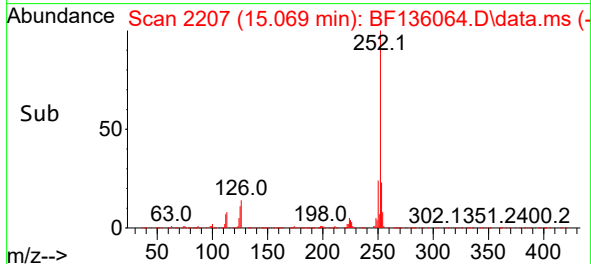
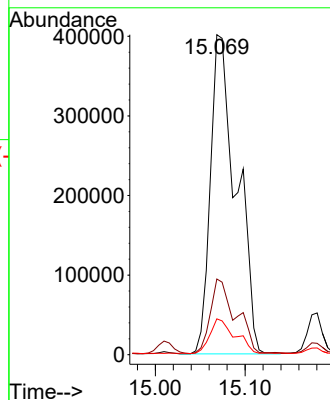
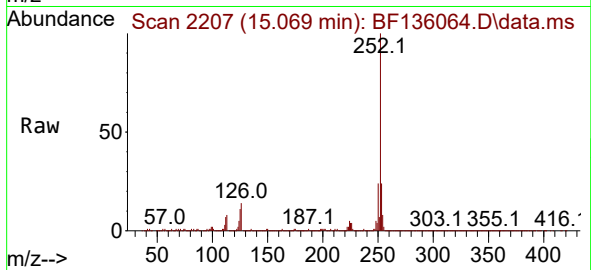
Tgt Ion:252 Resp: 808959

Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 11.2 7.5 11.3



#89

Benzo(k)fluoranthene

Concen: 61.297 ng

RT: 15.069 min Scan# 2207

Delta R.T. -0.023 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

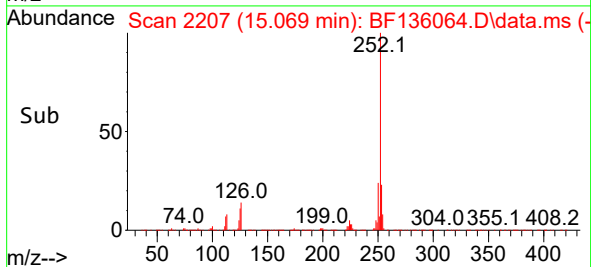
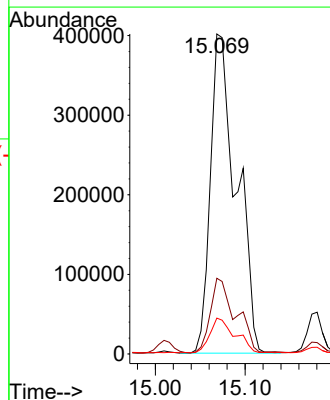
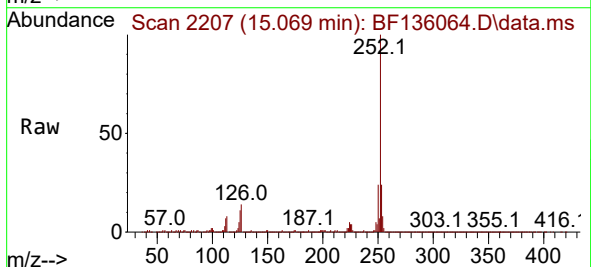
Tgt Ion:252 Resp: 808959

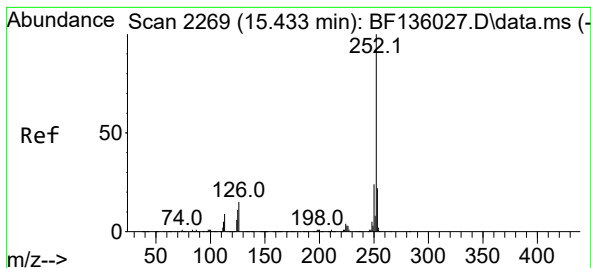
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 11.2 8.0 12.0





#90

Benzo(a)pyrene

Concen: 26.585 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

72-11995RE

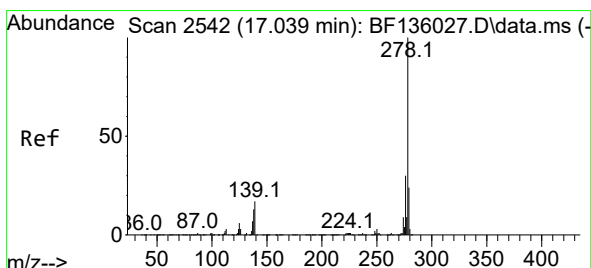
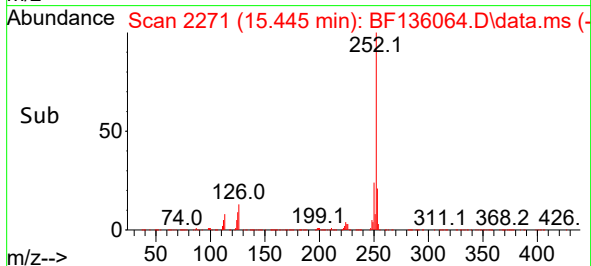
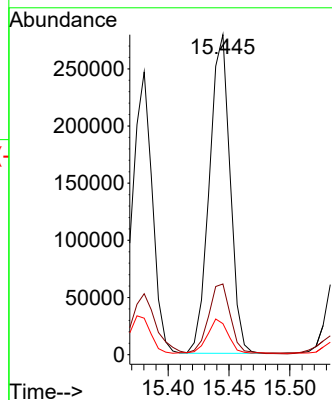
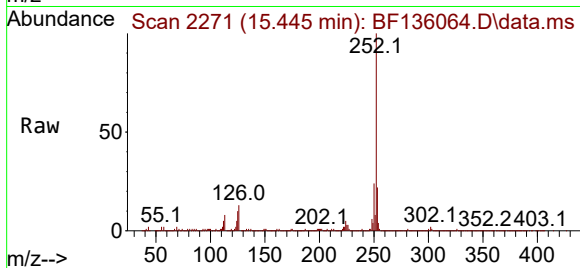
Tgt Ion:252 Resp: 329475

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 9.7 9.0 13.6



#91

Dibenzo(a,h)anthracene

Concen: 4.689 ng

RT: 17.039 min Scan# 2542

Delta R.T. 0.000 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

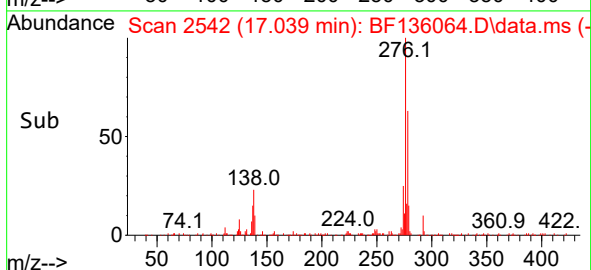
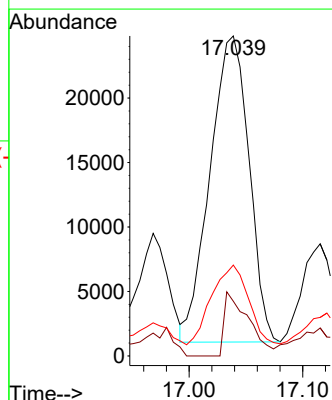
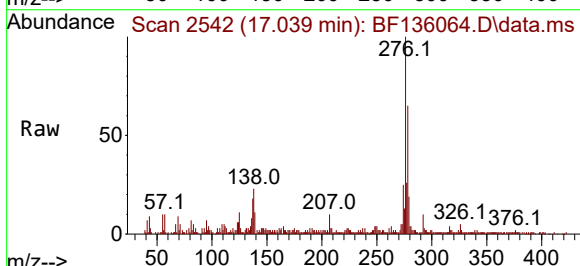
Tgt Ion:278 Resp: 56588

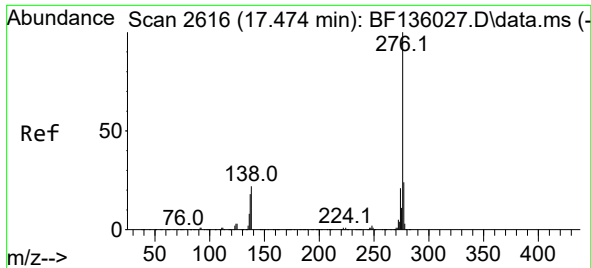
Ion Ratio Lower Upper

278 100

139 17.1 13.7 20.5

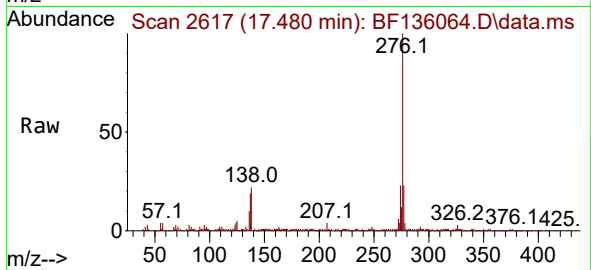
279 28.4 19.0 28.6





#92
Benzo(g,h,i)perylene
Concen: 16.797 ng
RT: 17.480 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Instrument :
BNA_F
ClientSampleId :
72-11995RE



Tgt Ion: 276 Resp: 203267
Ion Ratio Lower Upper
276 100
277 23.3 19.0 28.4
138 21.8 17.4 26.2

