

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
 Data File : BF136871.D
 Acq On : 02 Jan 2024 15:04
 Operator : CG\JU
 Sample : 06033-01DL 25X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 02 15:30:20 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)

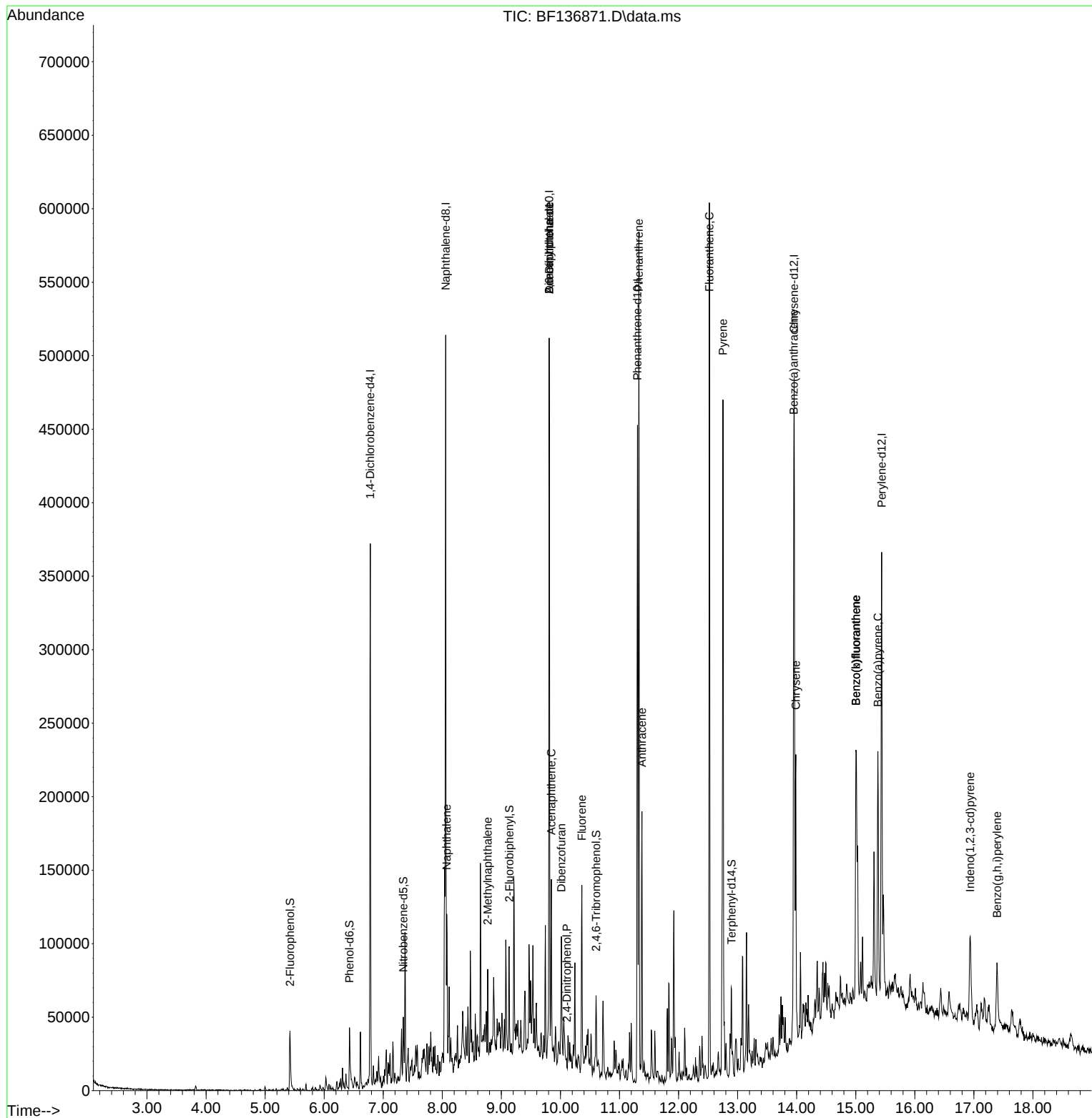
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	53522	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	192824	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	93636	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	156861	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	117963	20.000	ng	-0.01
86) Perylene-d12	15.439	264	140037	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	15459	4.507	ng	0.00
7) Phenol-d6	6.428	99	18050	4.061	ng	-0.01
23) Nitrobenzene-d5	7.339	82	11696	3.104	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	4067	3.688	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	23870	3.429	ng	-0.02
79) Terphenyl-d14	12.898	244	19702	2.334	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.075	128	37348	3.526	ng	99
37) 2-Methylnaphthalene	8.769	142	15433	2.264	ng	92
50) Dimethylphthalate	9.810	163	16469	2.408	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	13408	8.638	ng	# 30
52) Acenaphthene	9.845	154	23124	4.086	ng	96
54) 2,4-Dinitrophenol	10.110	184	62	3.804	ng	# 26
55) Dibenzofuran	10.016	168	24820	2.893	ng	98
58) Fluorene	10.363	166	34650	5.090	ng	96
71) Phenanthrene	11.327	178	193124	23.995	ng	99
72) Anthracene	11.380	178	66881	8.205	ng	100
75) Fluoranthene	12.521	202	224772	26.108	ng	97
78) Pyrene	12.751	202	185692	16.036	ng	99
81) Benzo(a)anthracene	13.951	228	99232	12.114	ng	97
83) Chrysene	13.986	228	80240	10.017	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	42004	4.154	ng	97
88) Benzo(b)fluoranthene	15.004	252	141960	15.178	ng	97
89) Benzo(k)fluoranthene	15.004	252	141960	16.063	ng	99
90) Benzo(a)pyrene	15.374	252	80640	10.214	ng	96
92) Benzo(g,h,i)perylene	17.392	276	37633	4.430	ng	97

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

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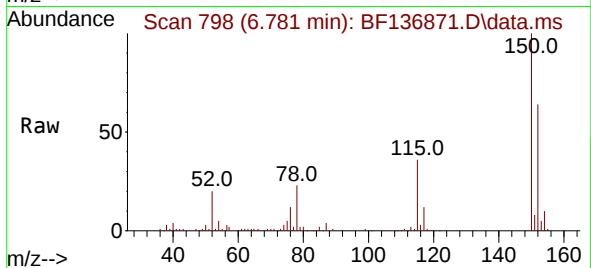
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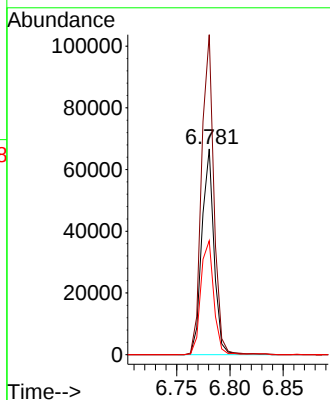
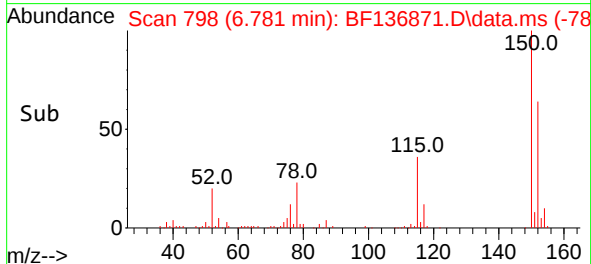


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Instrument :
BNA_F
ClientSampleId :

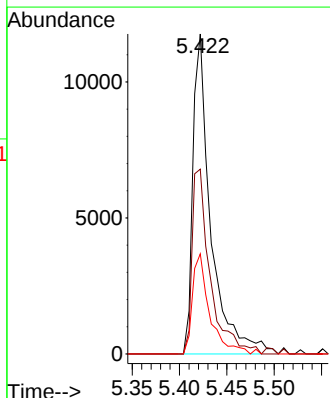
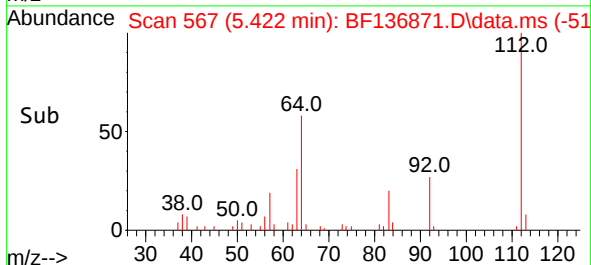
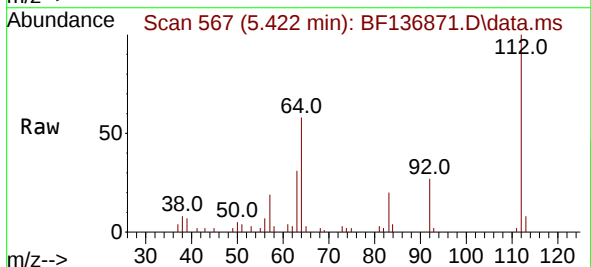


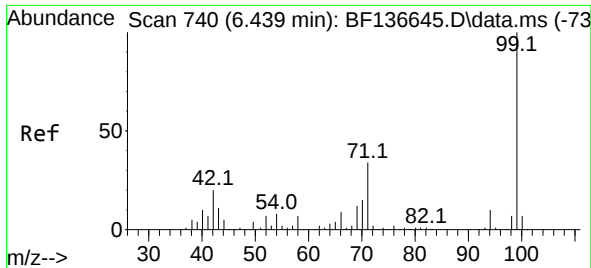
Tgt Ion:152 Resp: 53522
Ion Ratio Lower Upper
152 100
150 155.5 127.0 190.6
115 55.3 49.0 73.4



#5
2-Fluorophenol
Concen: 4.507 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

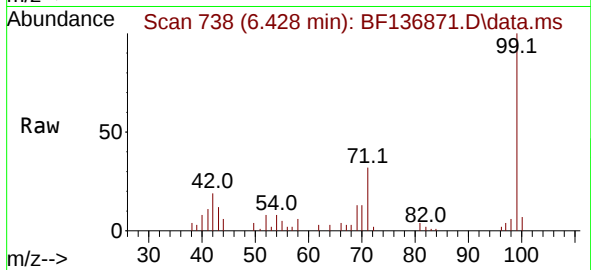
Tgt Ion:112 Resp: 15459
Ion Ratio Lower Upper
112 100
64 57.7 51.1 76.7
63 31.3 26.1 39.1



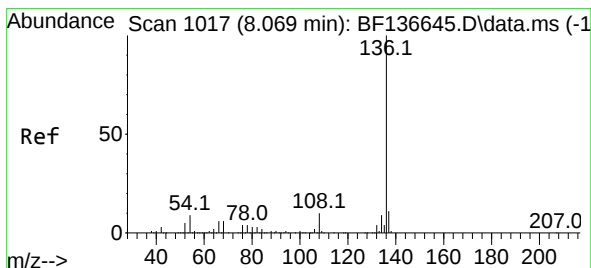
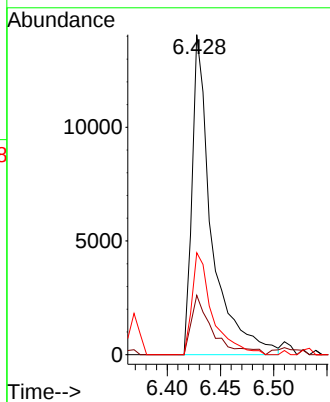
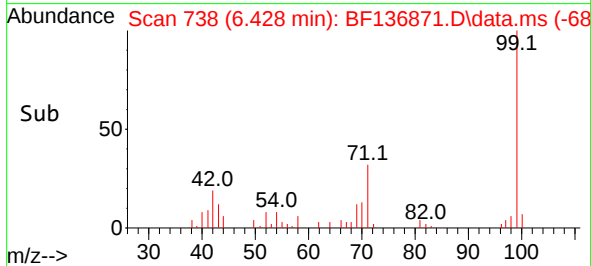


#7
Phenol-d6
Concen: 4.061 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Instrument :
BNA_F
ClientSampleId :

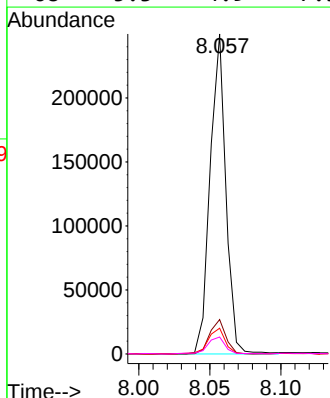
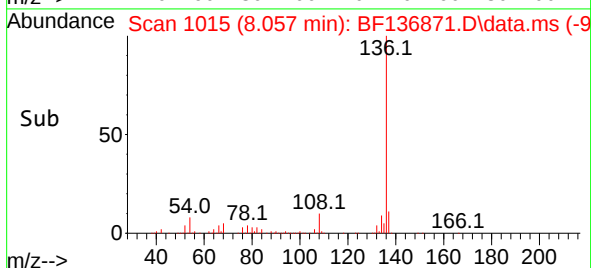
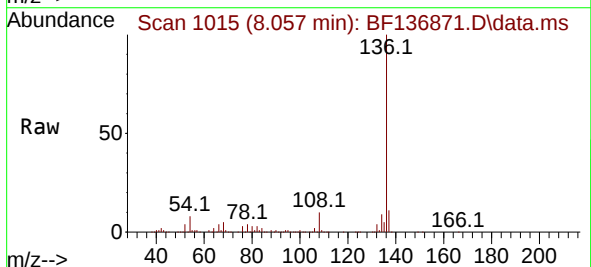


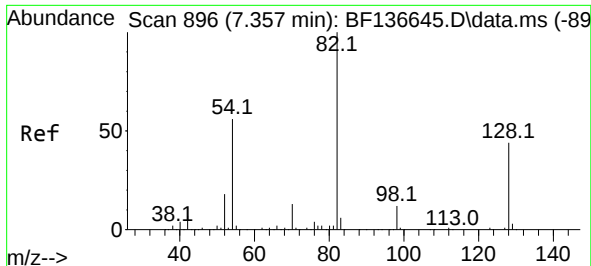
Tgt Ion: 99 Resp: 18050
Ion Ratio Lower Upper
99 100
42 18.6 16.1 24.1
71 31.9 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Tgt Ion: 136 Resp: 192824
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 8.1 7.2 10.8
68 5.3 4.9 7.3





#23

Nitrobenzene-d5

Concen: 3.104 ng

RT: 7.339 min Scan# 89

Delta R.T. -0.018 min

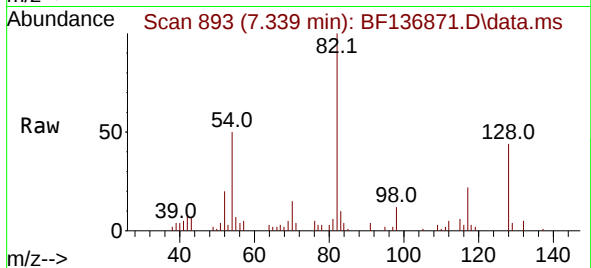
Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

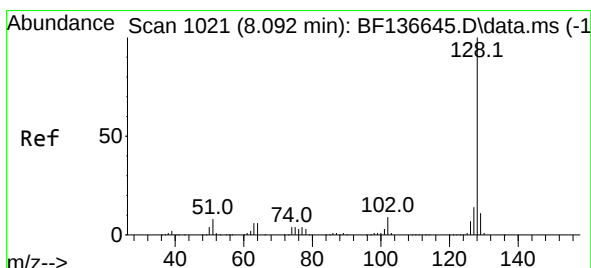
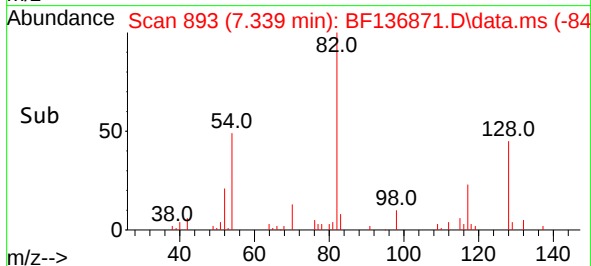
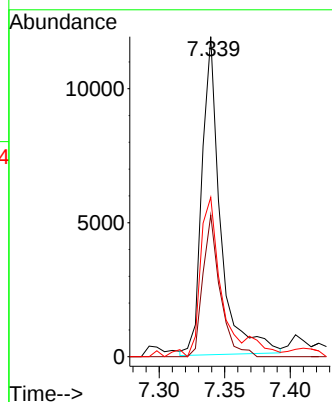
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	82	Resp:	11696
Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.3	52.9
54	49.8	44.5	66.7



#31

Naphthalene

Concen: 3.526 ng

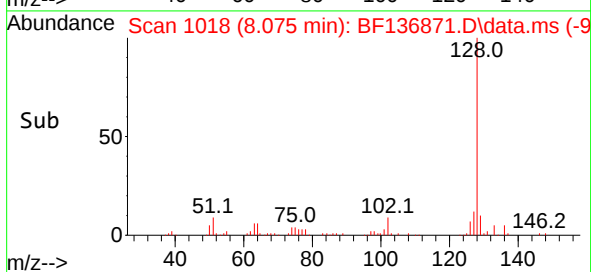
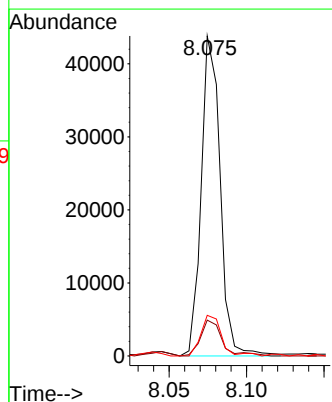
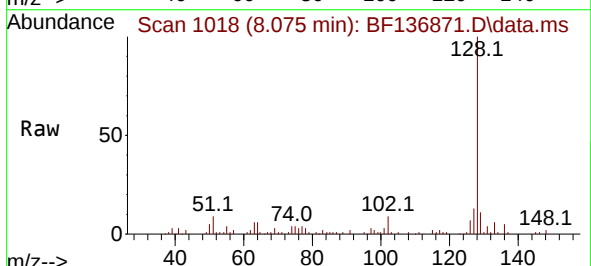
RT: 8.075 min Scan# 1018

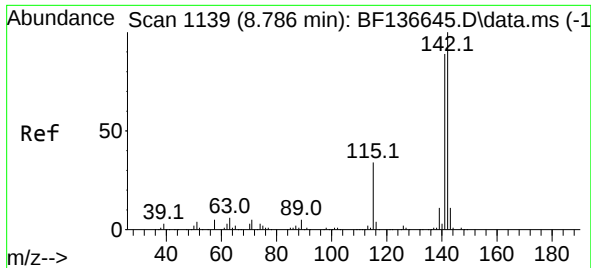
Delta R.T. -0.018 min

Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

Tgt Ion:	128	Resp:	37348
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	12.7	10.8	16.2

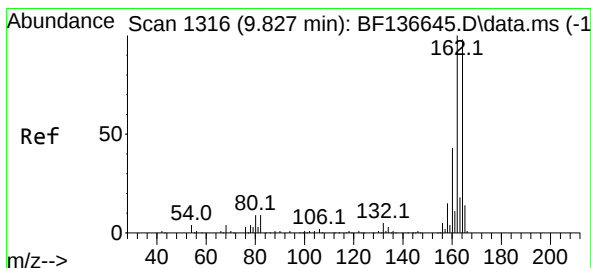
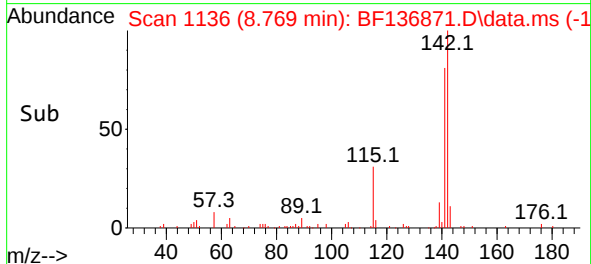
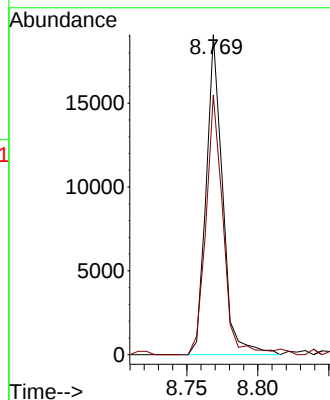
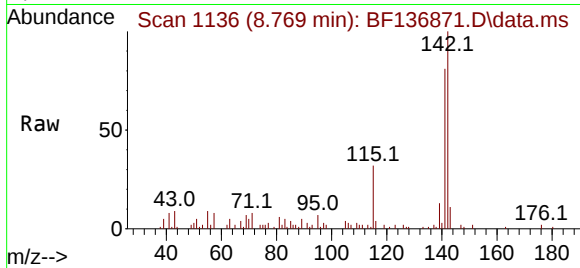




#37
2-Methylnaphthalene
Concen: 2.264 ng
RT: 8.769 min Scan# 1136
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

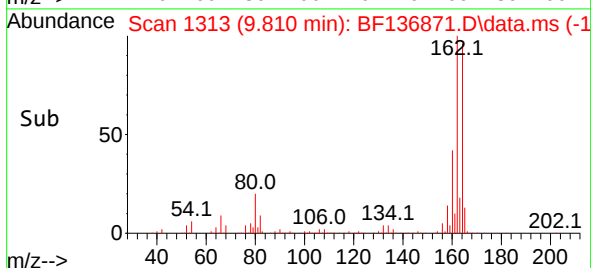
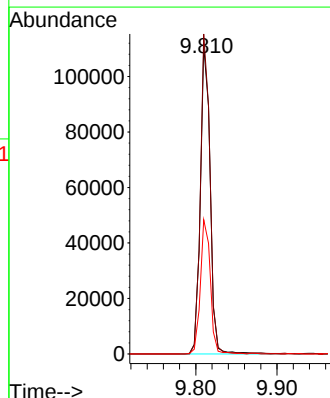
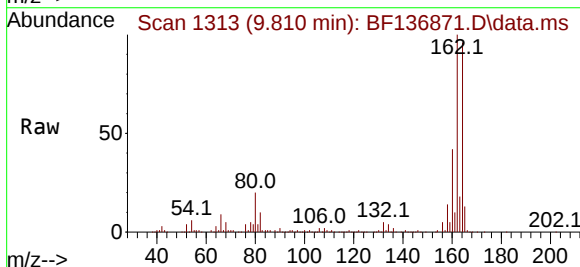
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 15433
Ion Ratio Lower Upper
142 100
141 81.2 71.1 106.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Tgt Ion:164 Resp: 93636
Ion Ratio Lower Upper
164 100
162 103.9 81.6 122.4
160 43.6 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 3.688 ng

RT: 10.604 min Scan# 1198

Delta R.T. -0.018 min

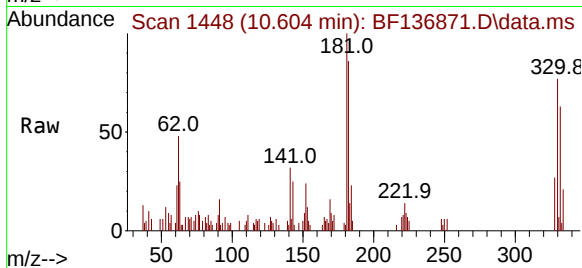
Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

Instrument :

BNA_F

ClientSampleId :



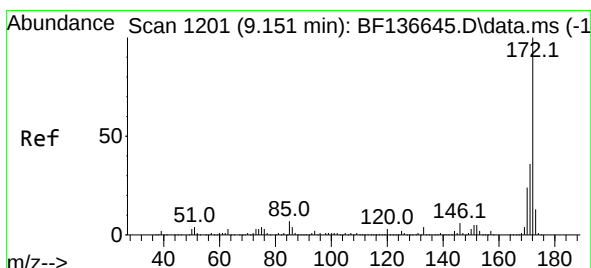
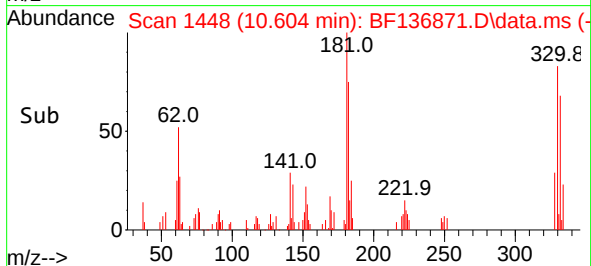
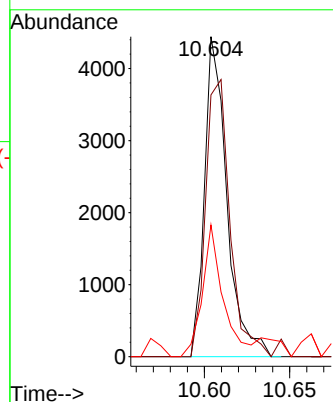
Tgt Ion:330 Resp: 4067

Ion Ratio Lower Upper

330 100

332 94.3 77.4 116.0

141 38.2 23.4 35.2#



#45

2-Fluorobiphenyl

Concen: 3.429 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

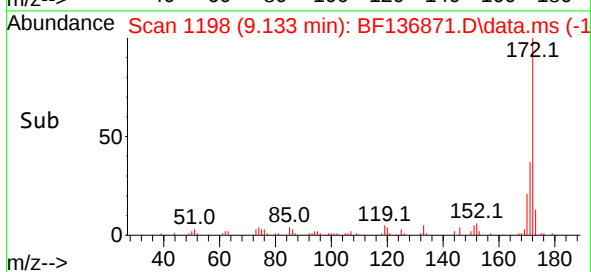
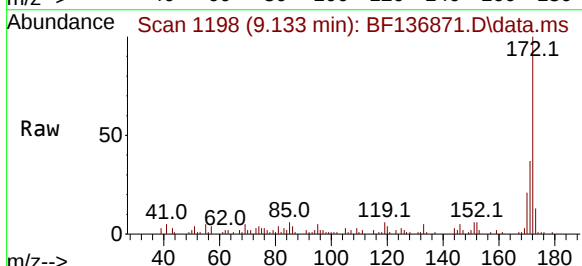
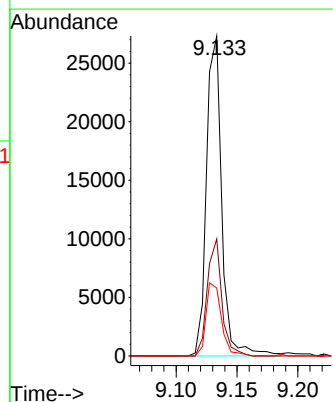
Tgt Ion:172 Resp: 23870

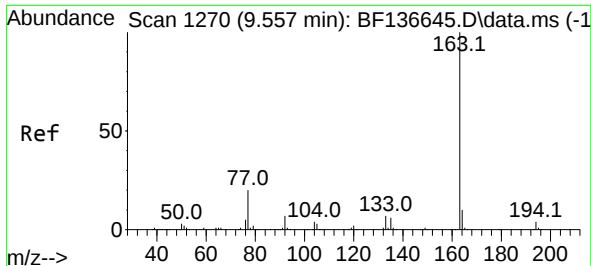
Ion Ratio Lower Upper

172 100

171 36.5 29.0 43.6

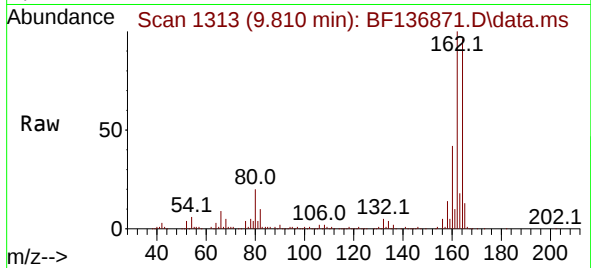
170 21.2 19.0 28.4



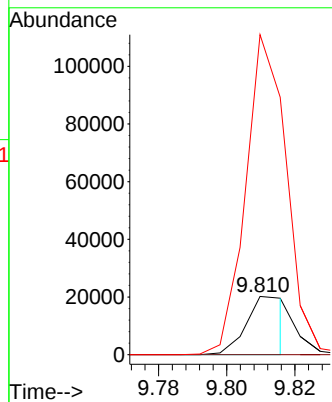
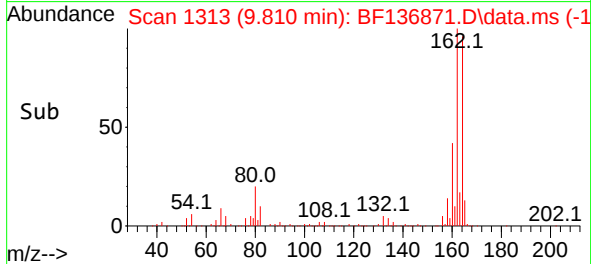


#50
Dimethylphthalate
Concen: 2.408 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.253 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

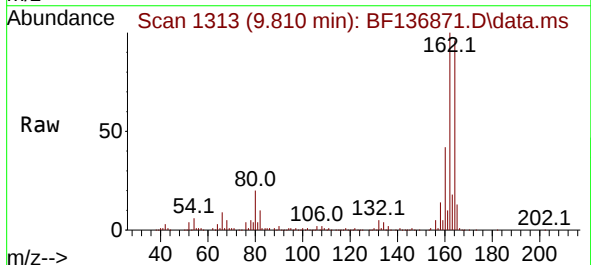
Instrument :
BNA_F
ClientSampleId :



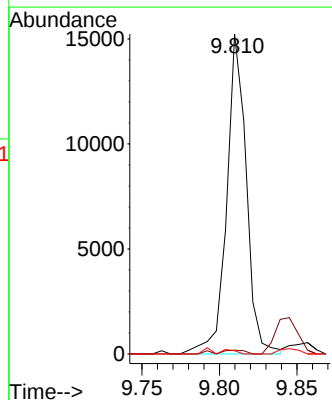
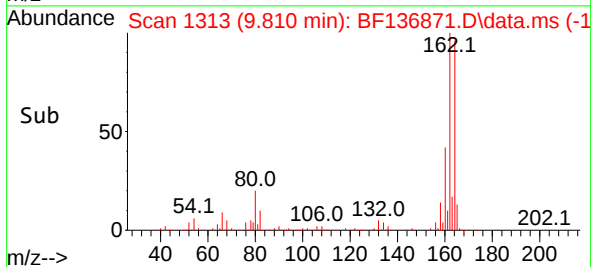
Tgt Ion:163 Resp: 16469
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 549.8 7.8 11.6#

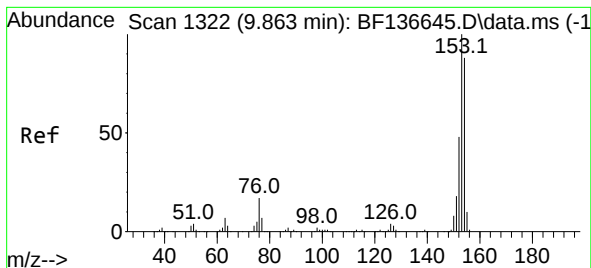


#51
2,6-Dinitrotoluene
Concen: 8.638 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.188 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04



Tgt Ion:165 Resp: 13408
Ion Ratio Lower Upper
165 100
63 1.2 39.8 59.6#
89 1.0 38.8 58.2#





#52

Acenaphthene

Concen: 4.086 ng

RT: 9.845 min Scan# 1319

Delta R.T. -0.018 min

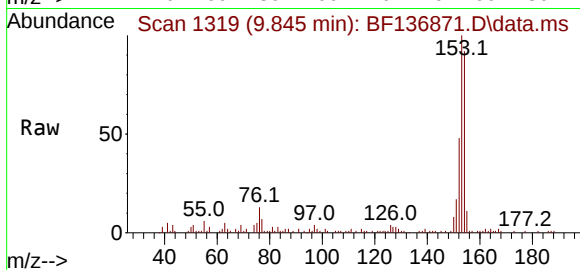
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Acq: 02 Jan 2024 15:04

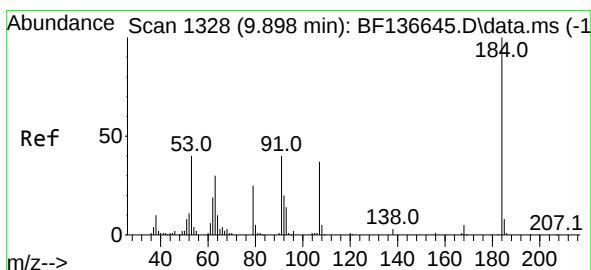
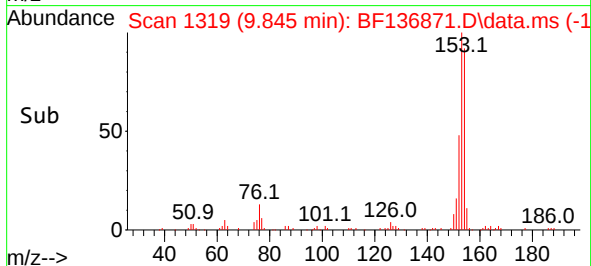
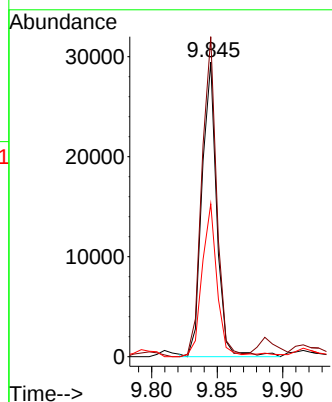
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	154	Resp:	23124
Ion	Ratio	Lower	Upper
154	100		
153	108.6	90.7	136.1
152	51.9	43.7	65.5



#54

2,4-Dinitrophenol

Concen: 3.804 ng

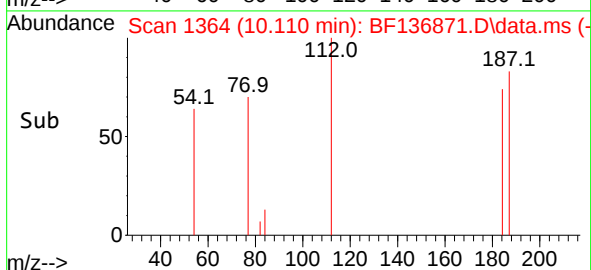
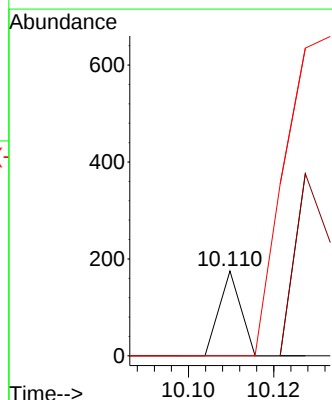
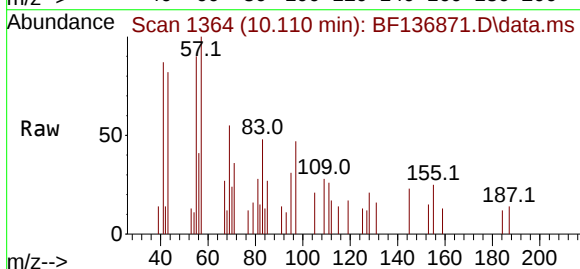
RT: 10.110 min Scan# 1364

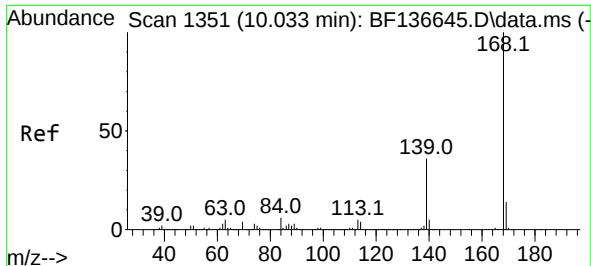
Delta R.T. 0.212 min

Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

Tgt Ion:	184	Resp:	62
Ion	Ratio	Lower	Upper
184	100		
63	0.0	40.9	61.3#
154	0.0	42.7	64.1#

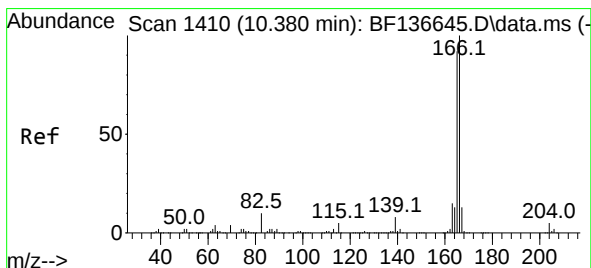
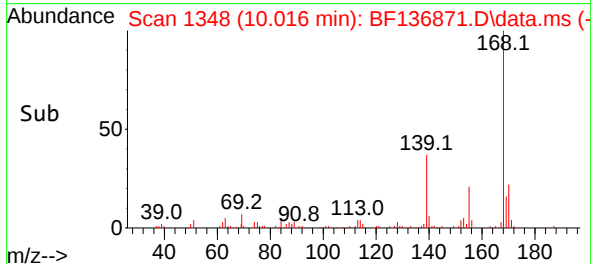
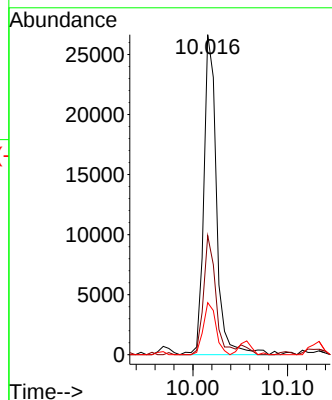
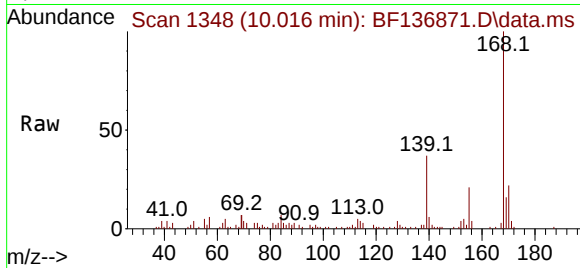




#55
Dibenzenofuran
Concen: 2.893 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

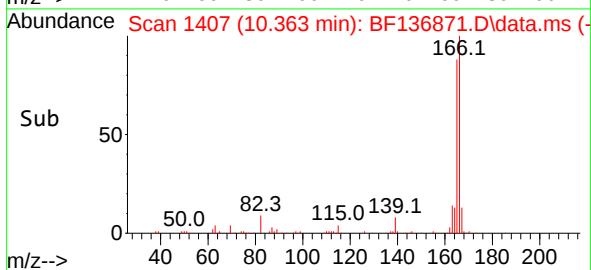
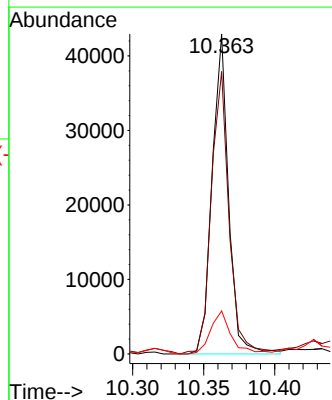
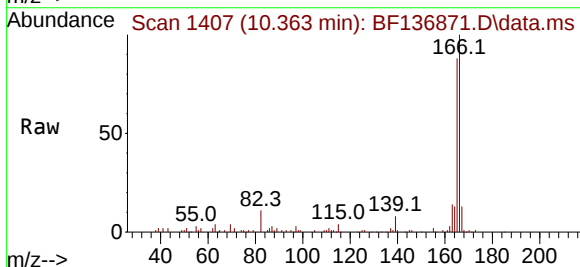
Instrument :
BNA_F
ClientSampleId :

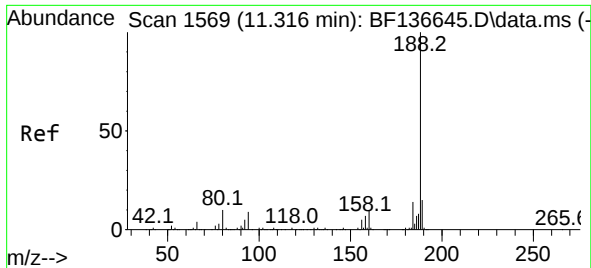
Tgt Ion:168 Resp: 24820
Ion Ratio Lower Upper
168 100
139 37.2 29.3 43.9
169 16.3 11.0 16.4



#58
Fluorene
Concen: 5.090 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Tgt Ion:166 Resp: 34650
Ion Ratio Lower Upper
166 100
165 88.3 73.7 110.5
167 13.4 10.4 15.6

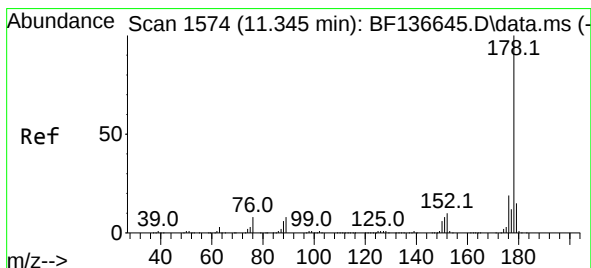
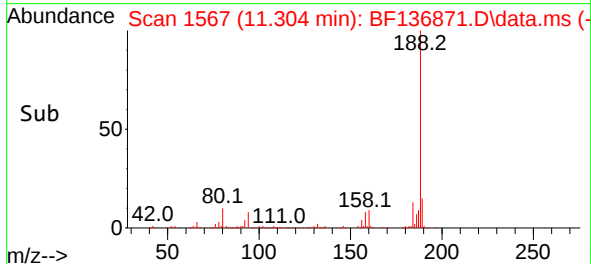
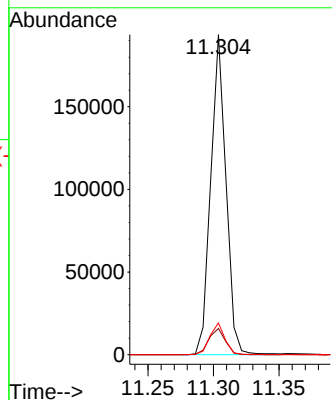
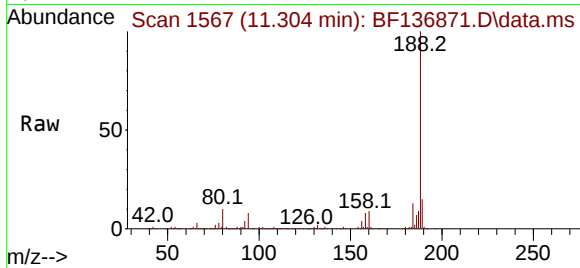




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

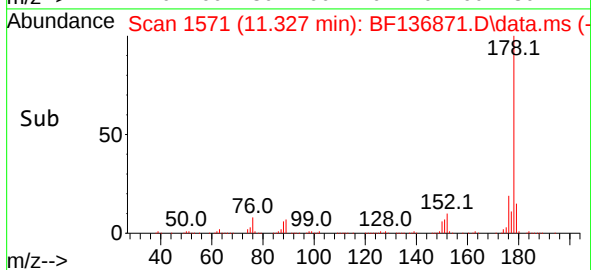
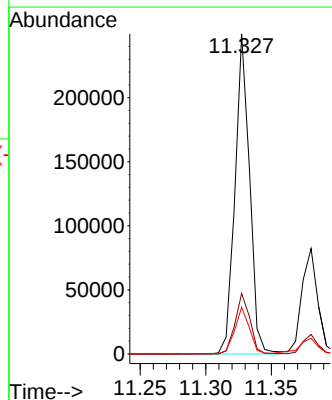
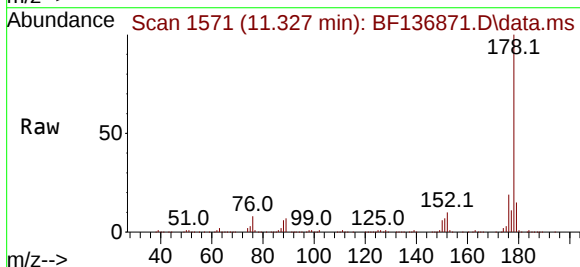
Instrument :
BNA_F
ClientSampleId :

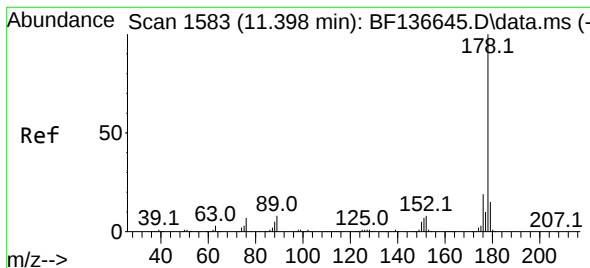
Tgt Ion:188 Resp: 156861
Ion Ratio Lower Upper
188 100
94 8.2 7.5 11.3
80 9.9 8.1 12.1



#71
Phenanthrene
Concen: 23.995 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Tgt Ion:178 Resp: 193124
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 14.6 11.9 17.9





#72

Anthracene

Concen: 8.205 ng

RT: 11.380 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

Instrument :

BNA_F

ClientSampleId :

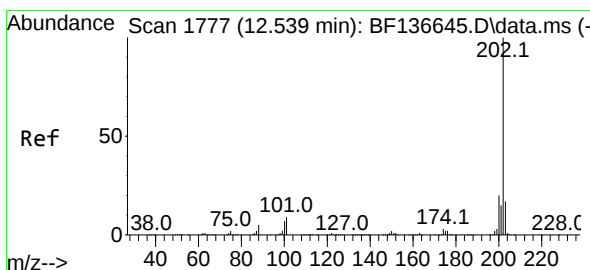
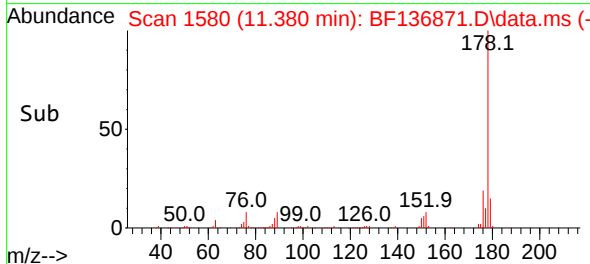
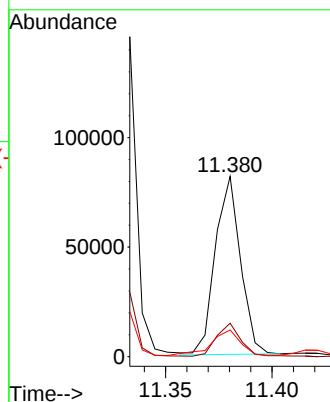
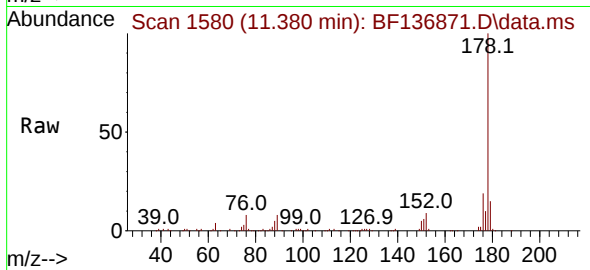
Tgt Ion:178 Resp: 66881

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

179 14.8 11.8 17.6



#75

Fluoranthene

Concen: 26.108 ng

RT: 12.521 min Scan# 1774

Delta R.T. -0.018 min

Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

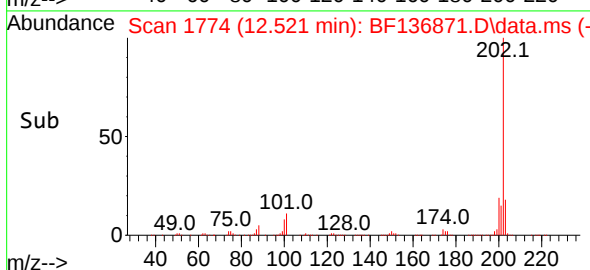
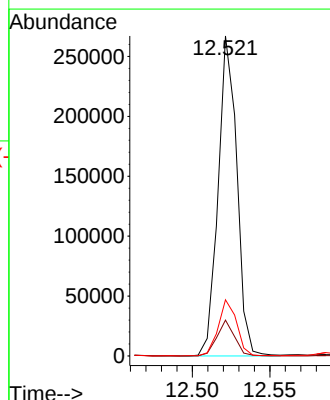
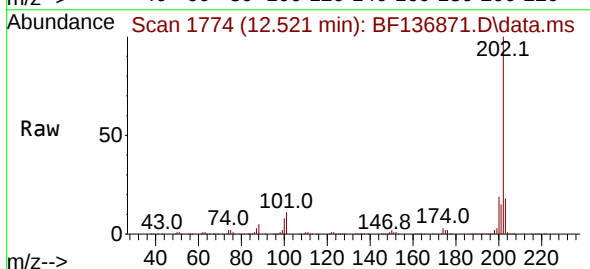
Tgt Ion:202 Resp: 224772

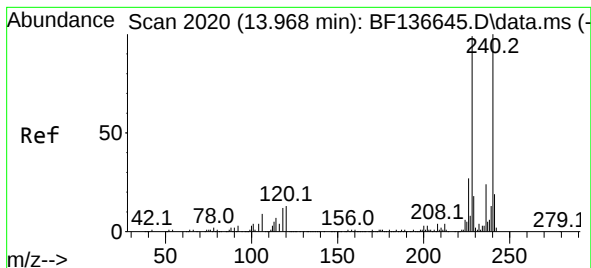
Ion Ratio Lower Upper

202 100

101 11.2 0.0 29.3

203 17.6 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.012 min

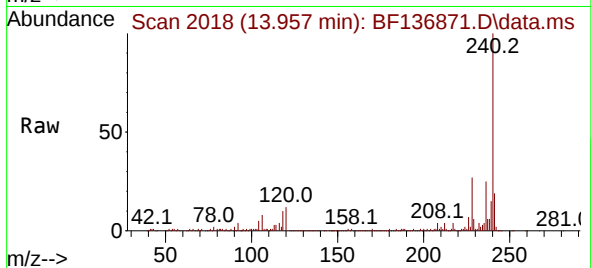
Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

Instrument :

BNA_F

ClientSampleId :



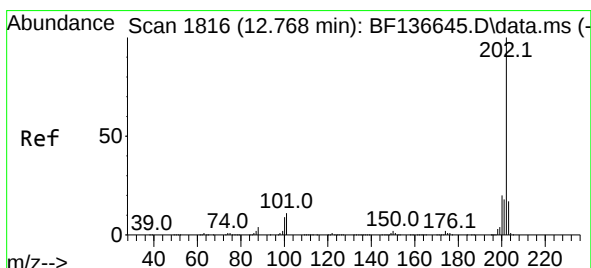
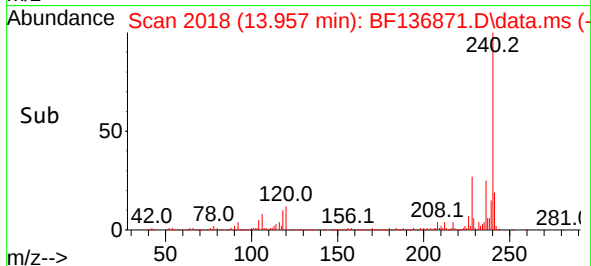
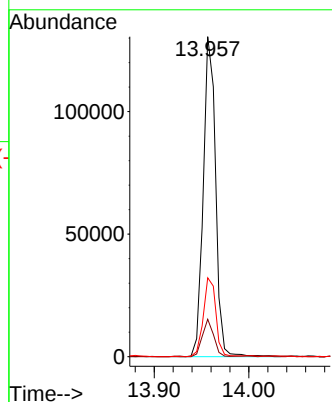
Tgt Ion:240 Resp: 117963

Ion Ratio Lower Upper

240 100

120 11.7 10.3 15.5

236 24.7 19.4 29.2



#78

Pyrene

Concen: 16.036 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.018 min

Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

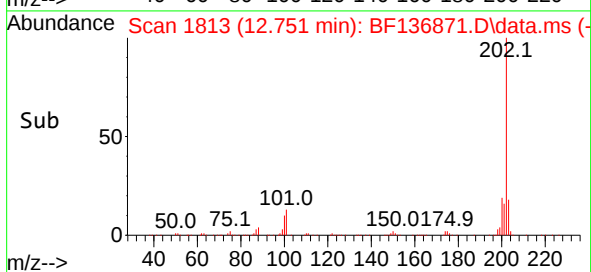
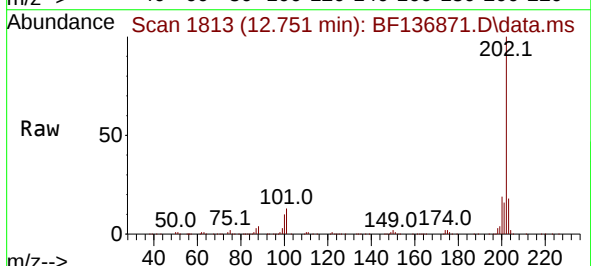
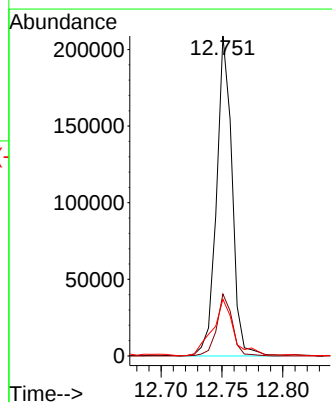
Tgt Ion:202 Resp: 185692

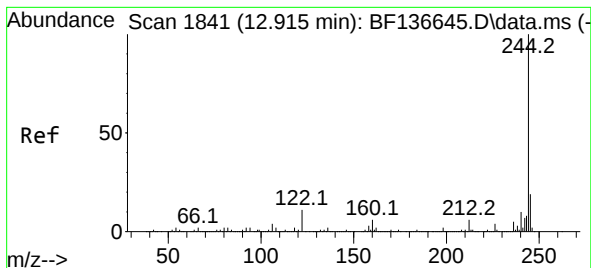
Ion Ratio Lower Upper

202 100

200 19.4 15.9 23.9

203 17.7 13.8 20.6





#79

Terphenyl-d14

Concen: 2.334 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.018 min

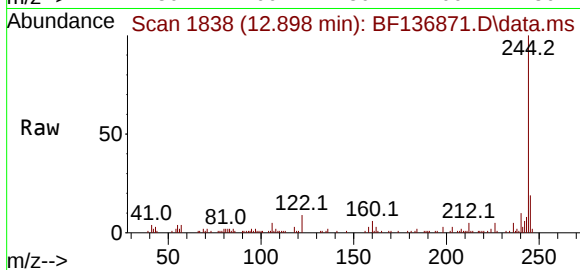
Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

Instrument :

BNA_F

ClientSampleId :



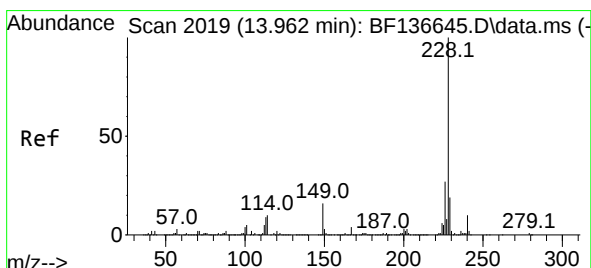
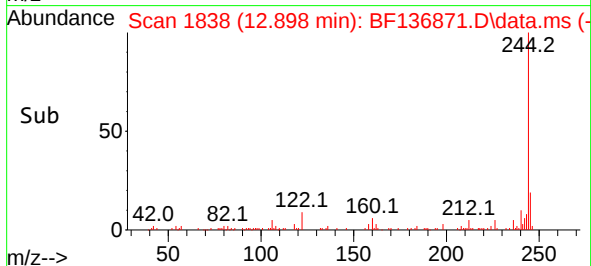
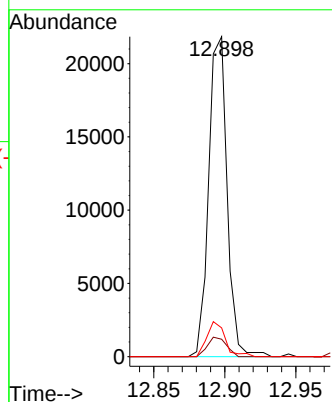
Tgt Ion:244 Resp: 19702

Ion Ratio Lower Upper

244 100

212 5.5 5.0 7.4

122 9.0 9.0 13.4



#81

Benzo(a)anthracene

Concen: 12.114 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

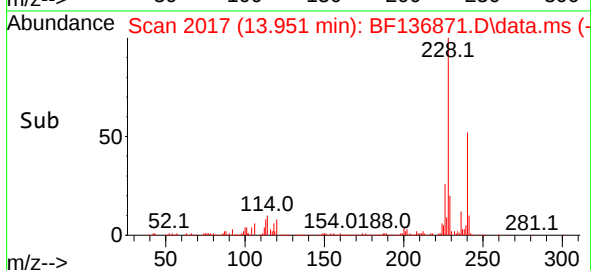
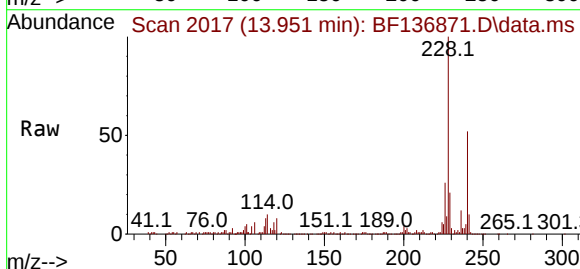
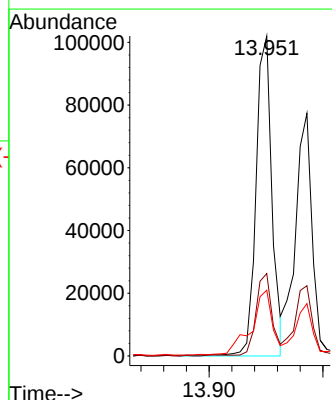
Tgt Ion:228 Resp: 99232

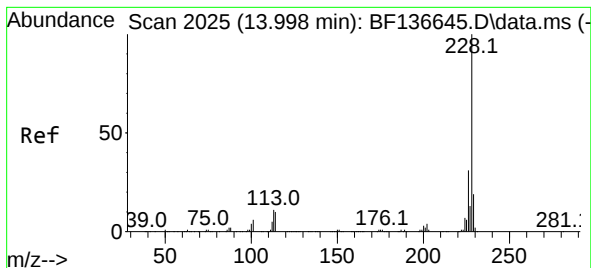
Ion Ratio Lower Upper

228 100

226 25.8 21.4 32.0

229 20.6 14.9 22.3





#83

Chrysene

Concen: 10.017 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

Instrument :

BNA_F

ClientSampleId :

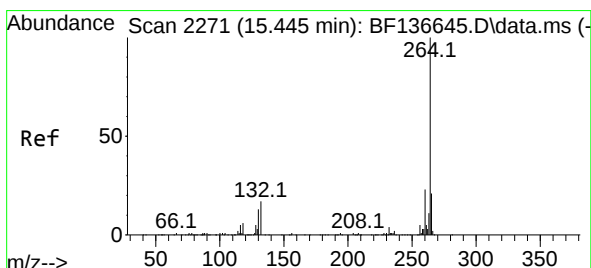
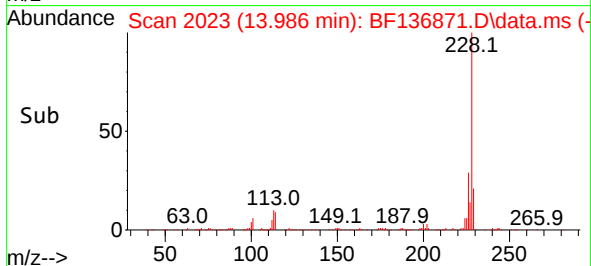
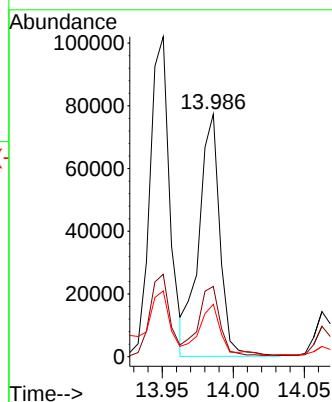
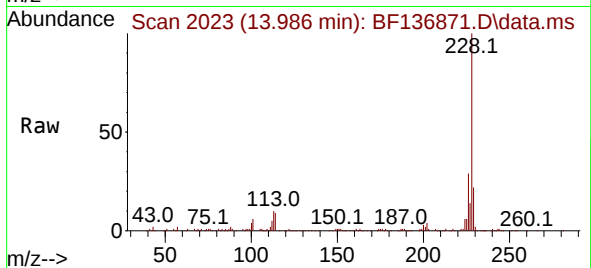
Tgt Ion:228 Resp: 80240

Ion Ratio Lower Upper

228 100

226 28.9 24.7 37.1

229 21.5 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

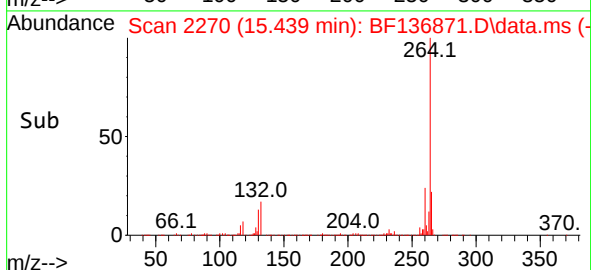
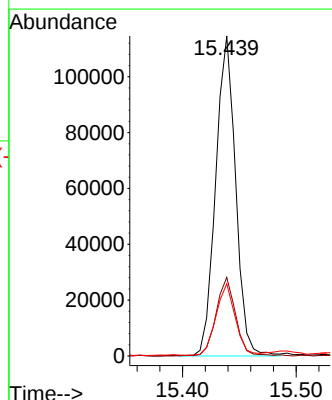
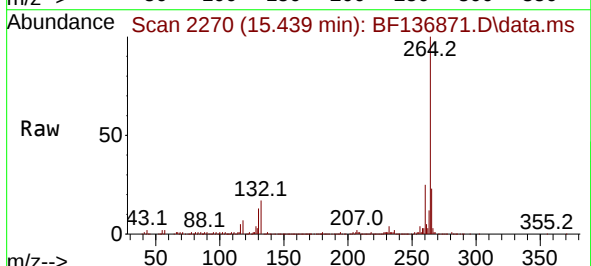
Tgt Ion:264 Resp: 140037

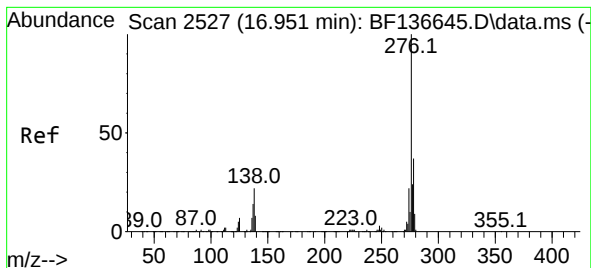
Ion Ratio Lower Upper

264 100

260 24.6 18.3 27.5

265 22.6 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.154 ng

RT: 16.939 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF136871.D

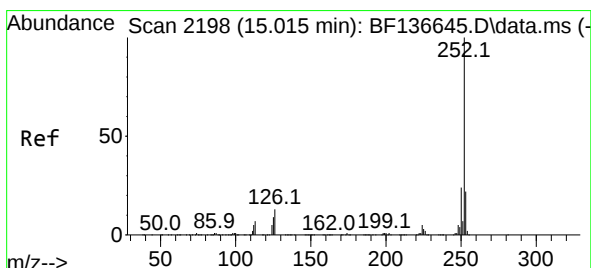
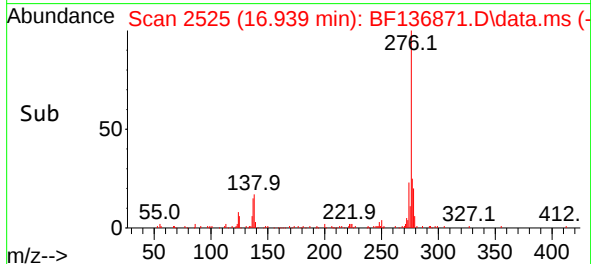
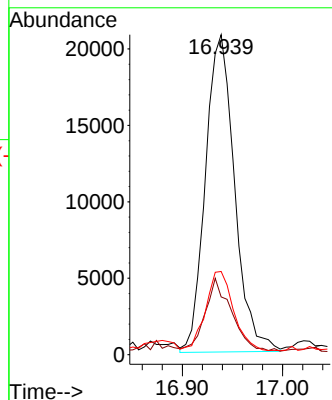
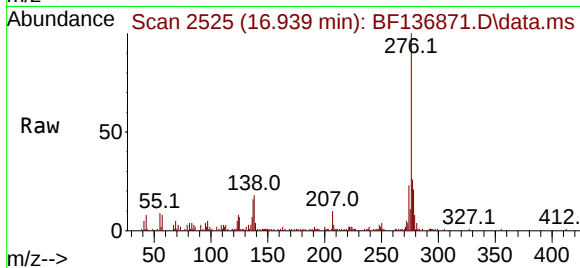
Acq: 02 Jan 2024 15:04

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	276	Resp:	42004
Ion Ratio	Lower	Upper	
276	100		
138	22.3	18.7	28.1
277	23.8	20.2	30.2



#88

Benzo(b)fluoranthene

Concen: 15.178 ng

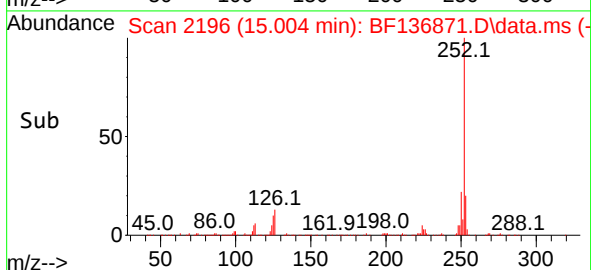
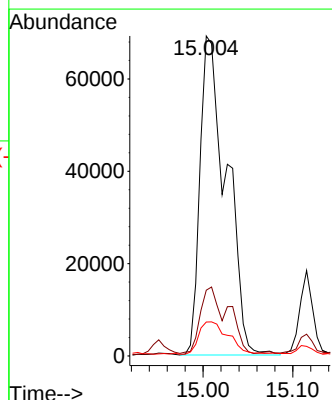
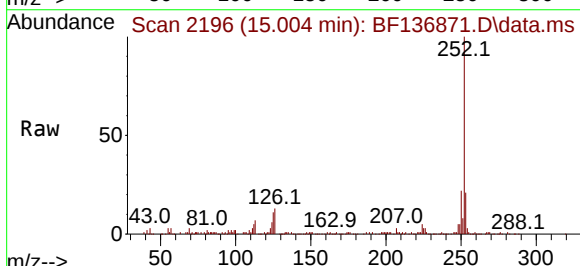
RT: 15.004 min Scan# 2196

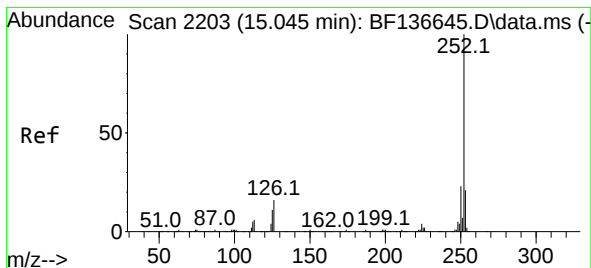
Delta R.T. -0.012 min

Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

Tgt Ion:	252	Resp:	141960
Ion Ratio	Lower	Upper	
252	100		
253	20.5	17.4	26.0
125	10.6	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 16.063 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.041 min

Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

Instrument :

BNA_F

ClientSampleId :

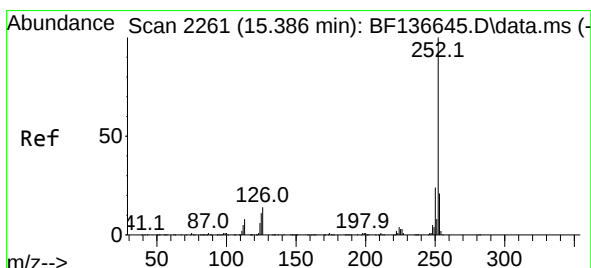
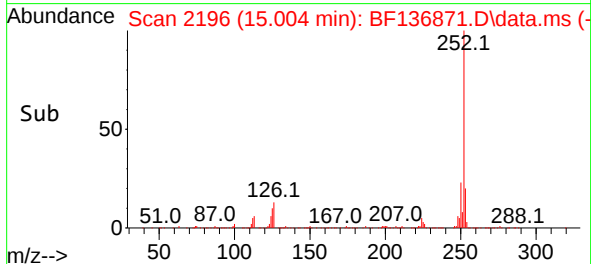
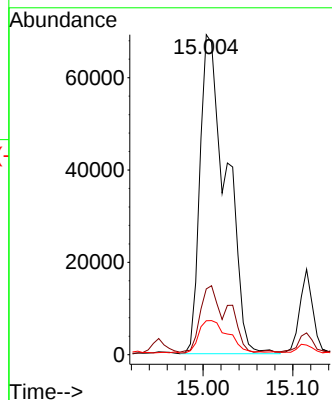
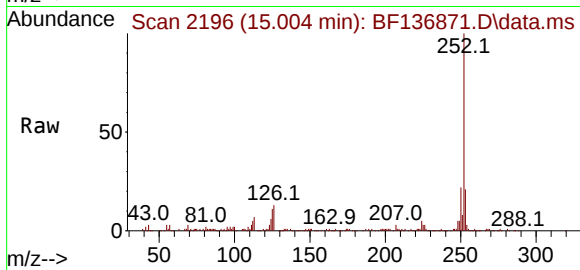
Tgt Ion:252 Resp: 141960

Ion Ratio Lower Upper

252 100

253 20.5 17.0 25.6

125 10.6 8.2 12.4



#90

Benzo(a)pyrene

Concen: 10.214 ng

RT: 15.374 min Scan# 2259

Delta R.T. -0.012 min

Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

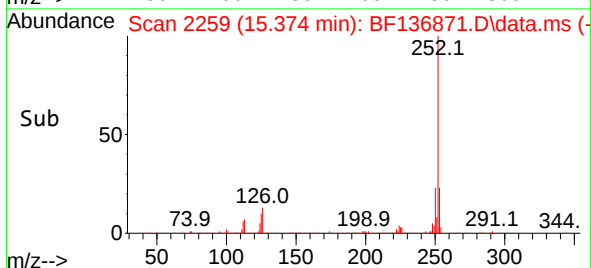
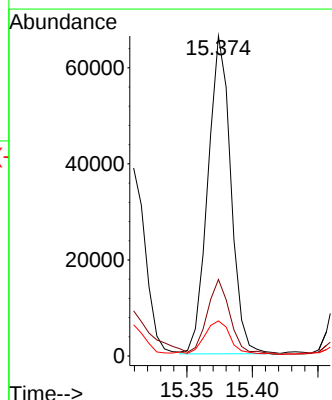
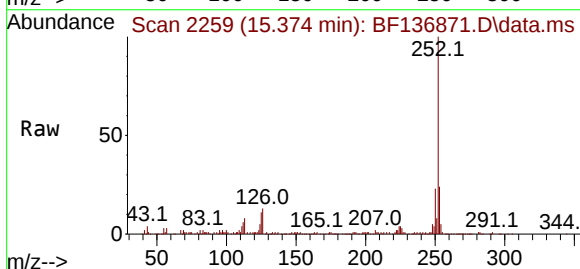
Tgt Ion:252 Resp: 80640

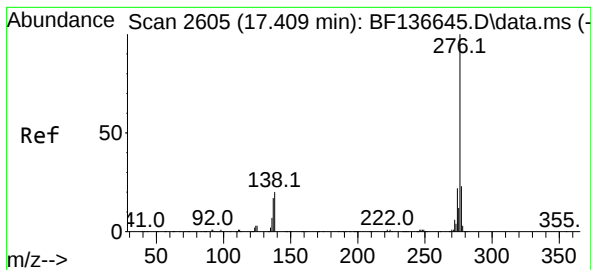
Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.6

125 11.0 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 4.430 ng

RT: 17.392 min Scan# 2

Delta R.T. -0.018 min

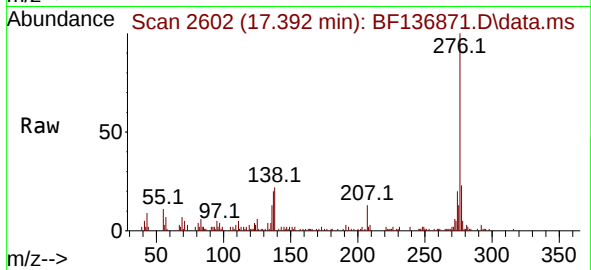
Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 37633

Ion Ratio Lower Upper

276 100

277 23.2 18.3 27.5

138 21.7 15.6 23.4

