

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021723\
 Data File : BP013854.D
 Acq On : 17 Feb 2023 20:15
 Operator : CG/JU
 Sample : 01586-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-1

Quant Time: Feb 17 22:07:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 18:05:40 2023
 Response via : Initial Calibration

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

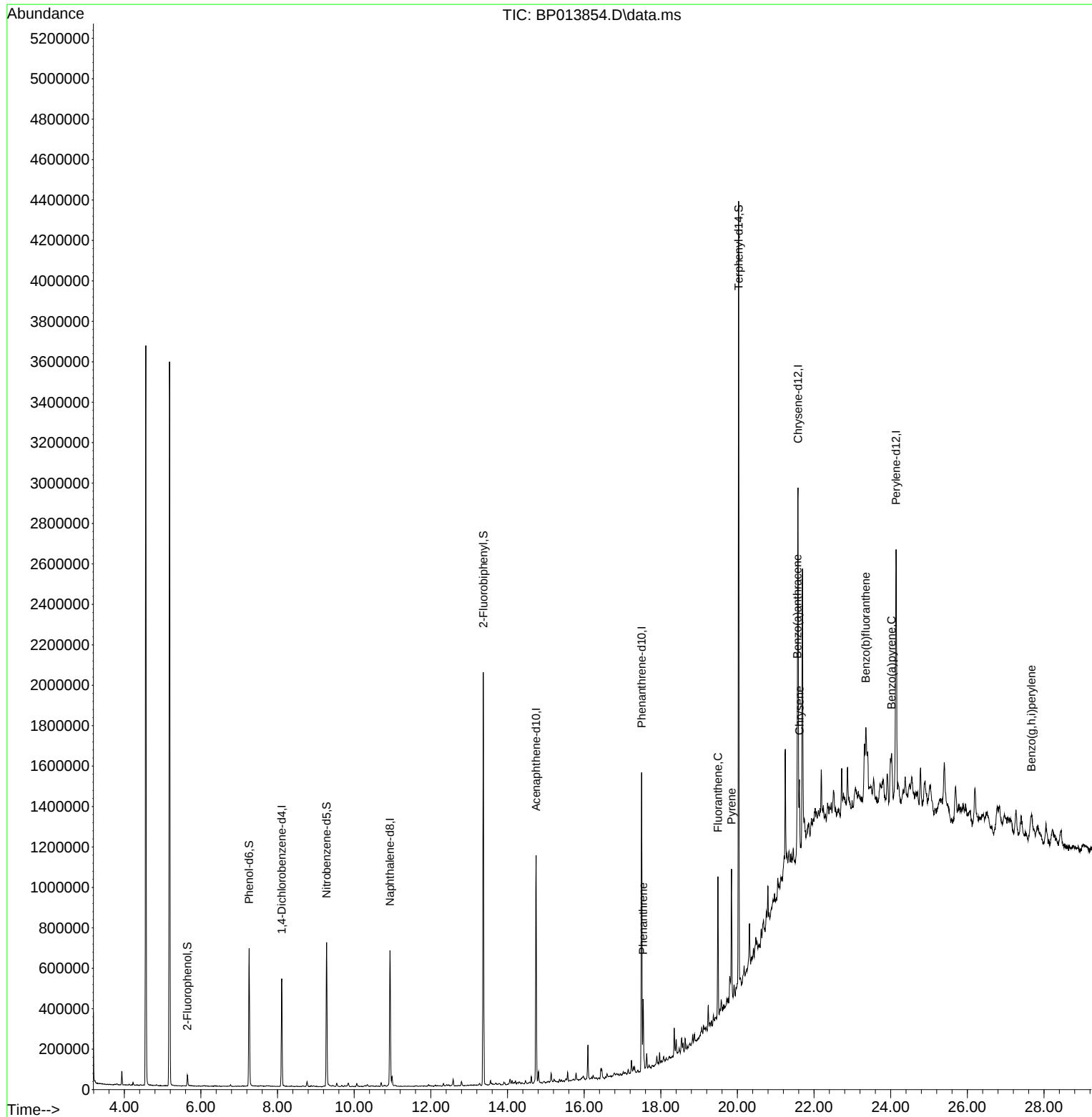
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.111	152	148153	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	547970	20.000	ng	0.00
39) Acenaphthene-d10	14.746	164	378988	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	891139	20.000	ng	0.00
76) Chrysene-d12	21.580	240	875608	20.000	ng	0.00
86) Perylene-d12	24.139	264	1025991	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.646	112	24755	2.754	ng	0.00
7) Phenol-d6	7.258	99	398648	34.626	ng	0.00
23) Nitrobenzene-d5	9.281	82	407036	40.112	ng	0.00
42) 2,4,6-Tribromophenol	16.240	330	1236	0.224	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	1029145	35.667	ng	0.00
79) Terphenyl-d14	20.034	244	1955748	42.974	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.540	178	213533	4.277	ng	99
75) Fluoranthene	19.492	202	403240	6.479	ng	99
78) Pyrene	19.845	202	362605	6.060	ng	99
81) Benzo(a)anthracene	21.563	228	197808	3.155	ng	96
83) Chrysene	21.616	228	189109	3.113	ng	95
88) Benzo(b)fluoranthene	23.351	252	252881	3.897	ng	# 85
90) Benzo(a)pyrene	24.022	252	175226	2.793	ng	# 86
92) Benzo(g,h,i)perylene	27.668	276	143652	2.172	ng	# 93

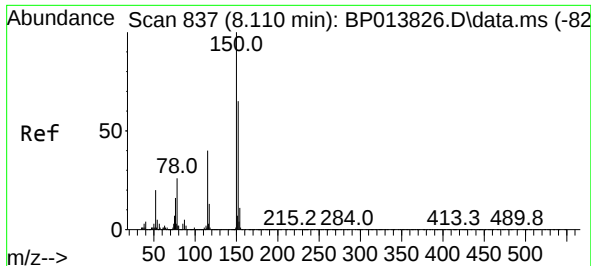
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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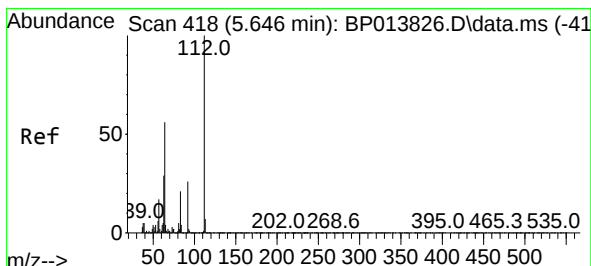
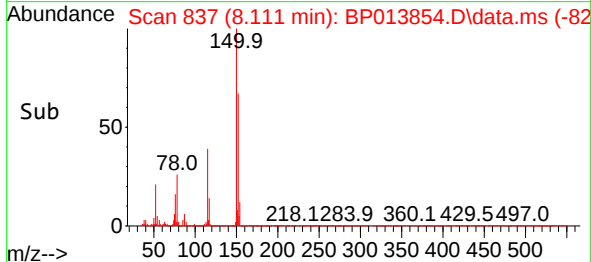
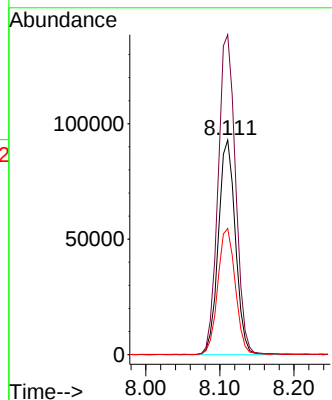
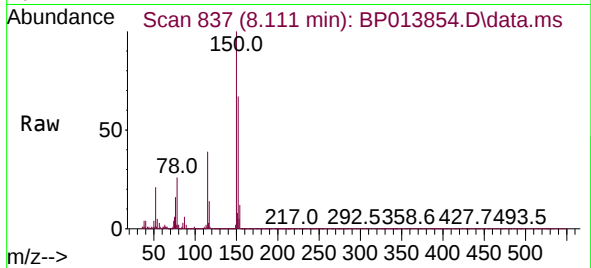




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.111 min Scan# 837
 Delta R.T. 0.001 min
 Lab File: BP013854.D
 Acq: 17 Feb 2023 20:15

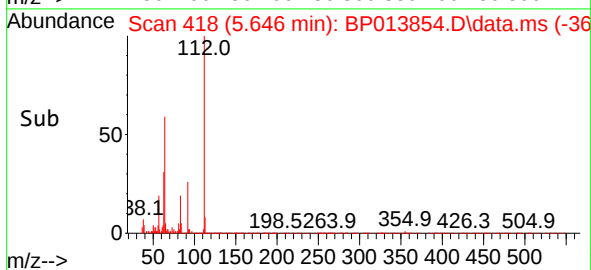
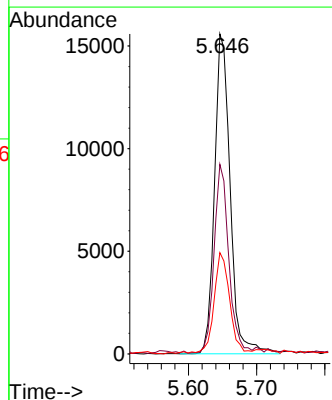
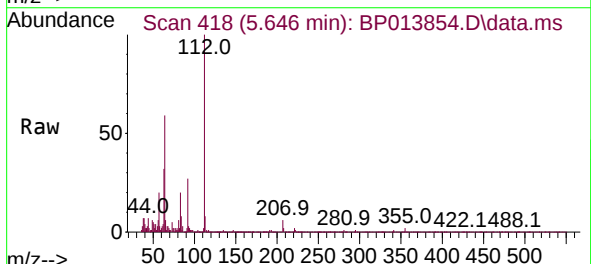
Instrument :
 BNA_P
 ClientSampleId :
 COMP-1

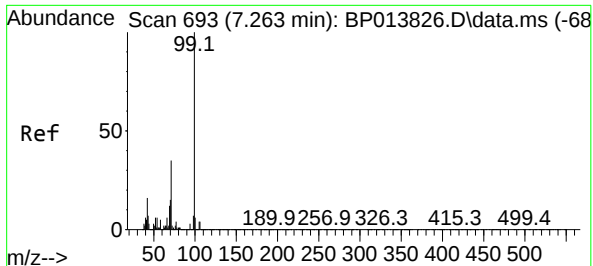
Tgt Ion:152 Resp: 148153
 Ion Ratio Lower Upper
 152 100
 150 149.1 122.8 184.2
 115 58.7 49.0 73.6



#5
 2-Fluorophenol
 Concen: 2.754 ng
 RT: 5.646 min Scan# 418
 Delta R.T. 0.000 min
 Lab File: BP013854.D
 Acq: 17 Feb 2023 20:15

Tgt Ion:112 Resp: 24755
 Ion Ratio Lower Upper
 112 100
 64 59.2 44.6 66.8
 63 31.6 23.6 35.4

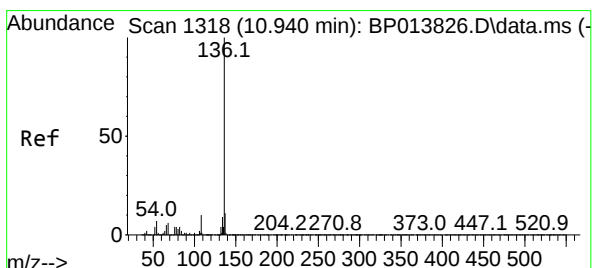
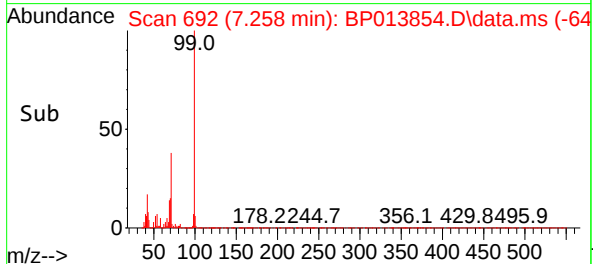
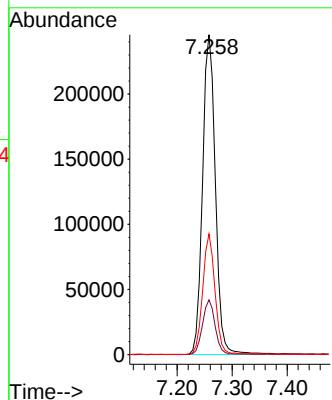
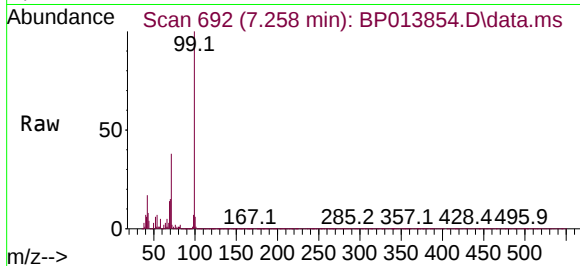




#7
Phenol-d6
Concen: 34.626 ng
RT: 7.258 min Scan# 69
Delta R.T. -0.006 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

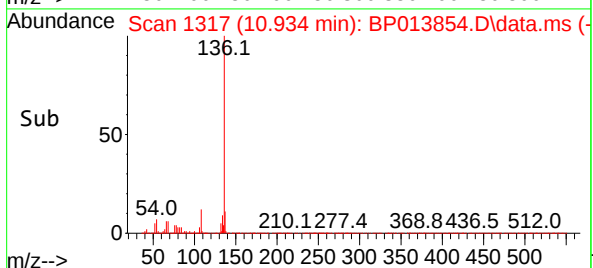
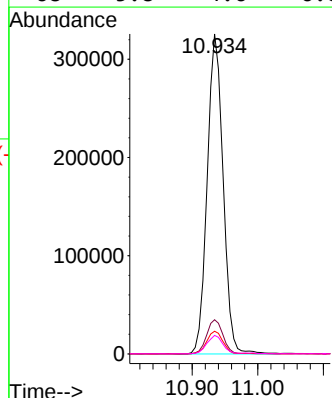
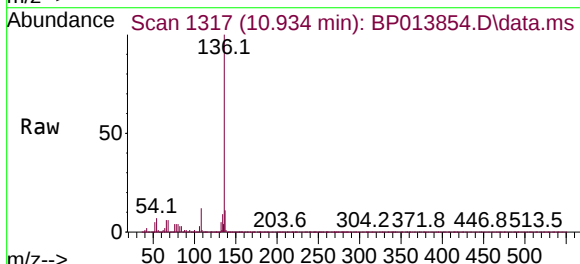
Instrument :
BNA_P
ClientSampleId :
COMP-1

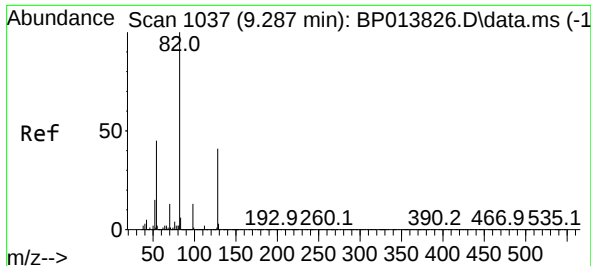
Tgt Ion: 99 Resp: 398648
Ion Ratio Lower Upper
99 100
42 17.2 12.5 18.7
71 37.7 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

Tgt Ion: 136 Resp: 547970
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 7.1 5.8 8.6
68 5.8 4.6 6.8

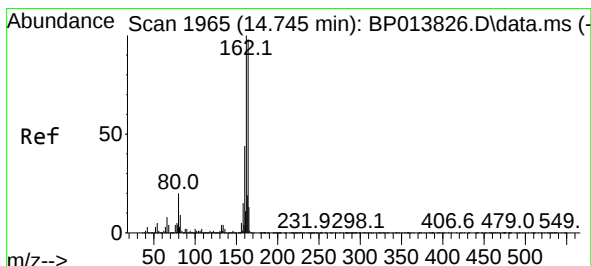
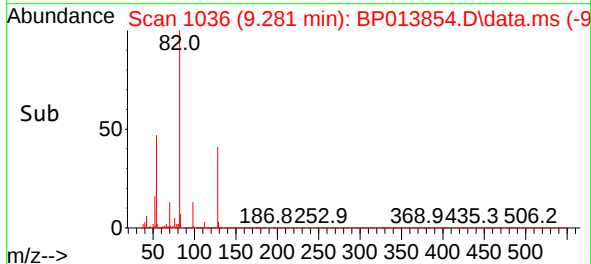
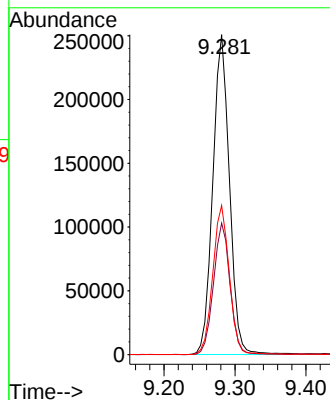
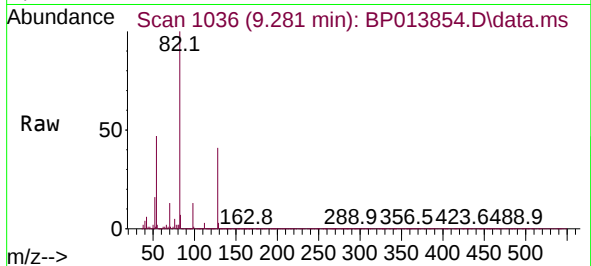




#23
Nitrobenzene-d5
Concen: 40.112 ng
RT: 9.281 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

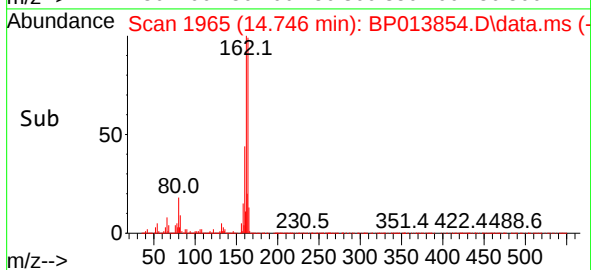
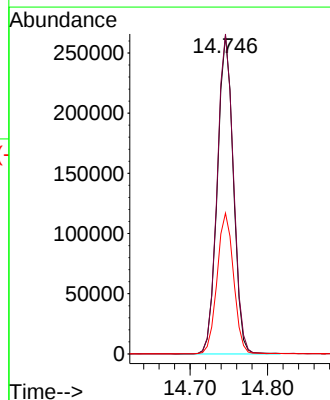
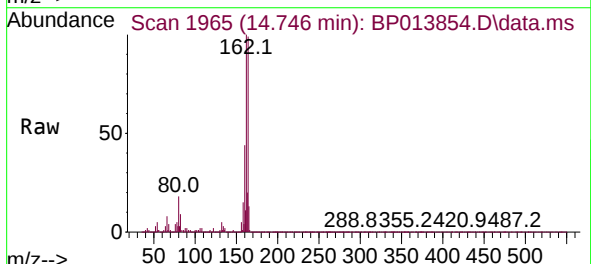
Instrument :
BNA_P
ClientSampleId :
COMP-1

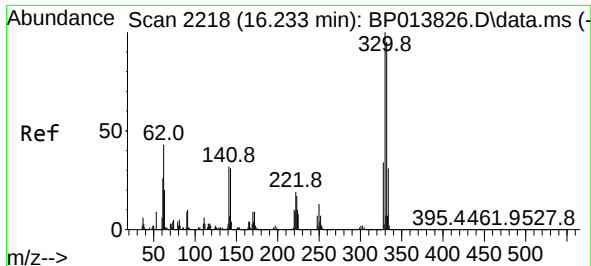
Tgt Ion: 82 Resp: 407036
Ion Ratio Lower Upper
82 100
128 41.1 32.9 49.3
54 46.6 35.6 53.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.746 min Scan# 1965
Delta R.T. 0.000 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

Tgt Ion: 164 Resp: 378988
Ion Ratio Lower Upper
164 100
162 100.5 81.7 122.5
160 44.2 36.1 54.1

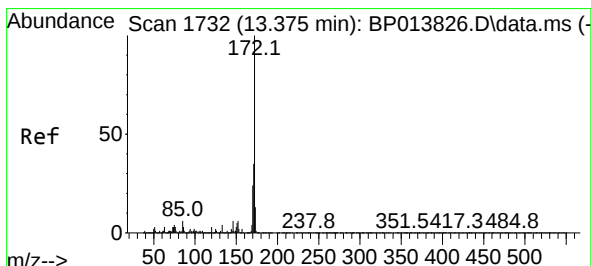
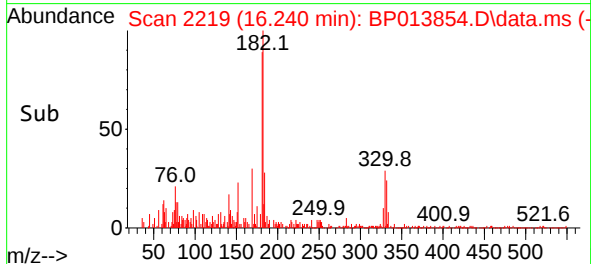
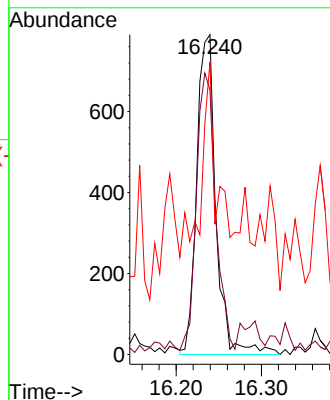
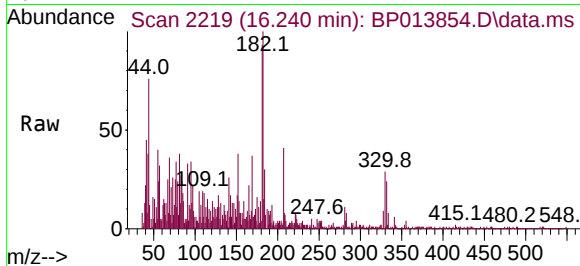




#42
2,4,6-Tribromophenol
Concen: 0.224 ng
RT: 16.240 min Scan# 2218
Delta R.T. 0.006 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

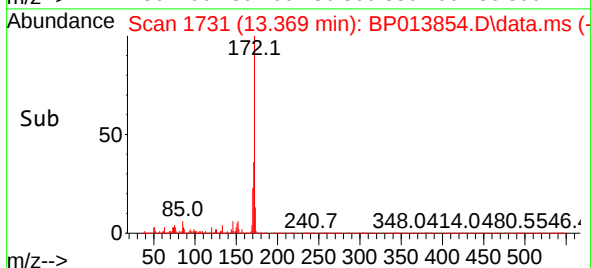
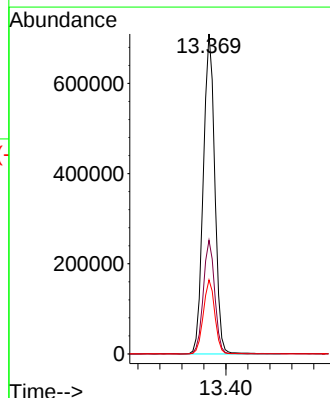
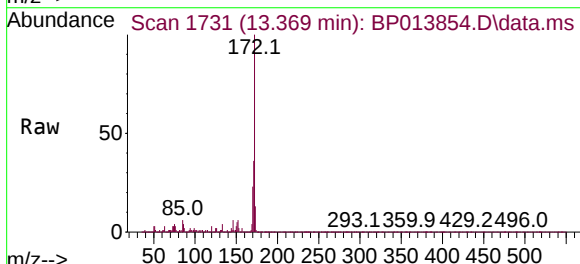
Instrument :
BNA_P
ClientSampleId :
COMP-1

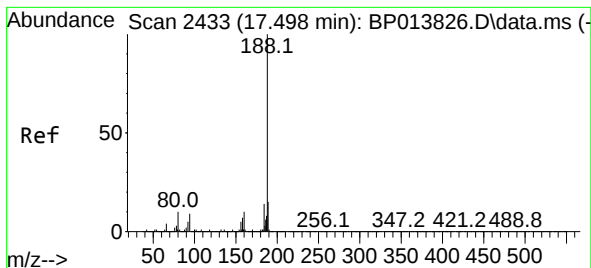
Tgt Ion:330 Resp: 1236
Ion Ratio Lower Upper
330 100
332 87.5 76.7 115.1
141 41.7 25.1 37.7#



#45
2-Fluorobiphenyl
Concen: 35.667 ng
RT: 13.369 min Scan# 1731
Delta R.T. -0.006 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

Tgt Ion:172 Resp: 1029145
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 23.1 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.498 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

Instrument :

BNA_P

ClientSampleId :

COMP-1

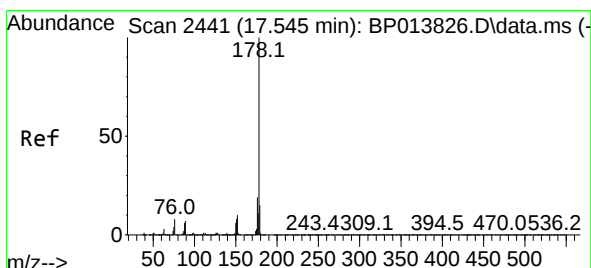
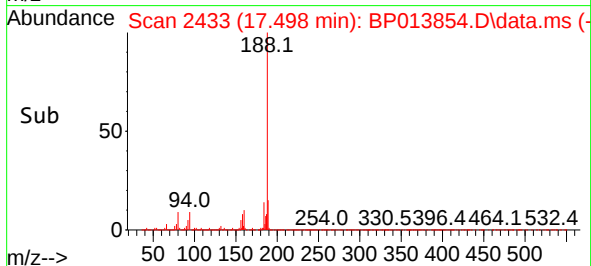
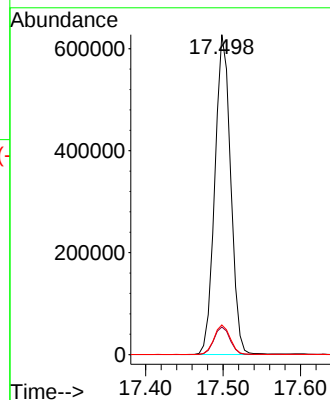
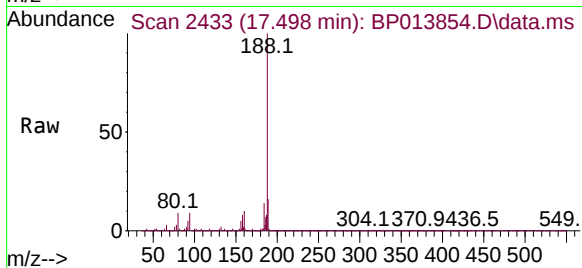
Tgt Ion:188 Resp: 891139

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

80 9.3 7.8 11.8



#71

Phenanthrene

Concen: 4.277 ng

RT: 17.540 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

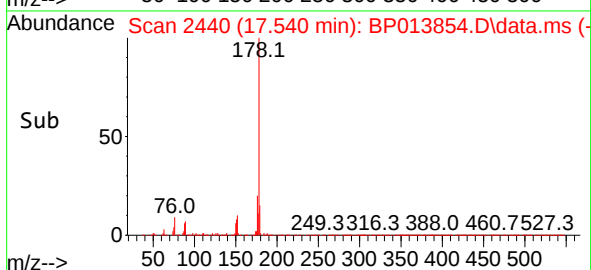
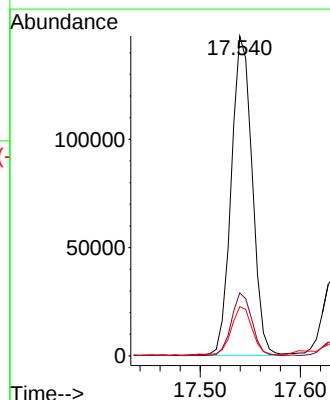
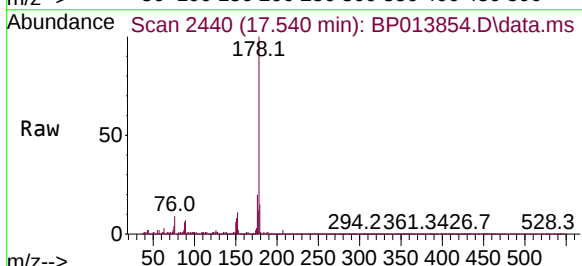
Tgt Ion:178 Resp: 213533

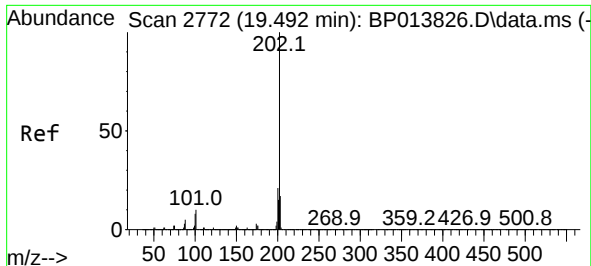
Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

179 15.4 12.2 18.4

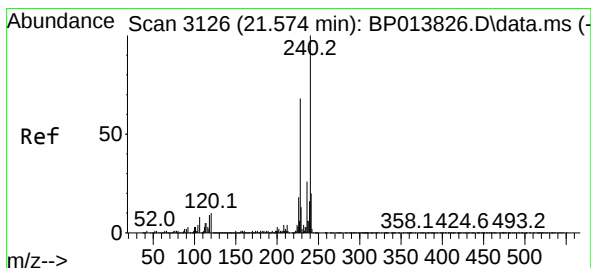
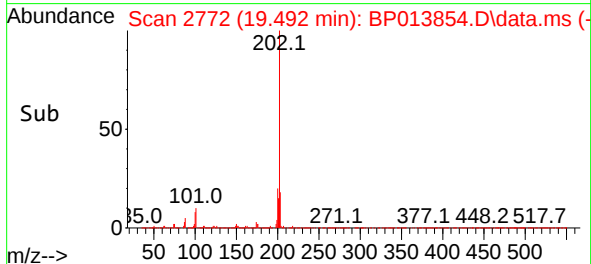
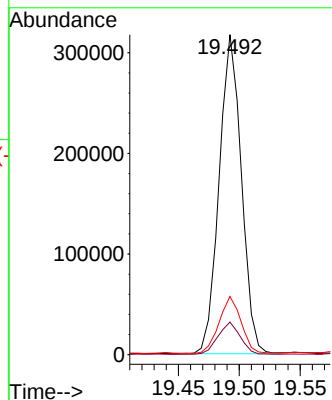
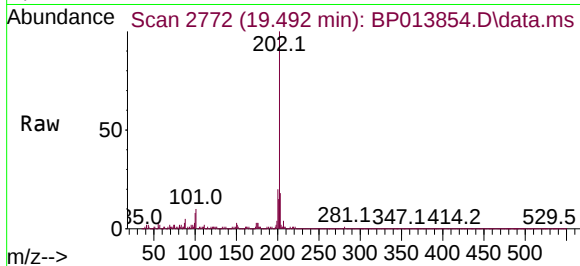




#75
Fluoranthene
Concen: 6.479 ng
RT: 19.492 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

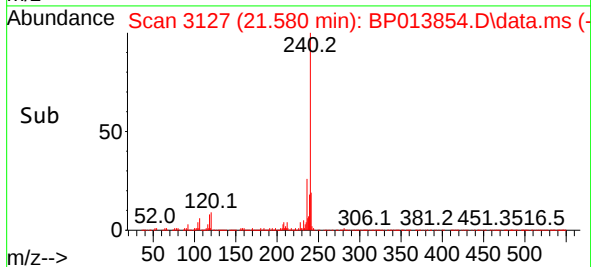
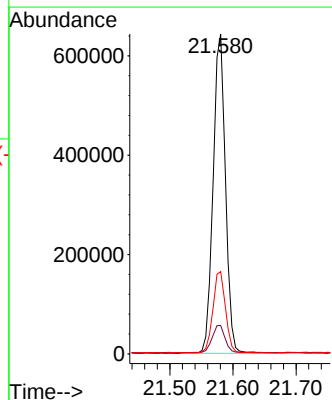
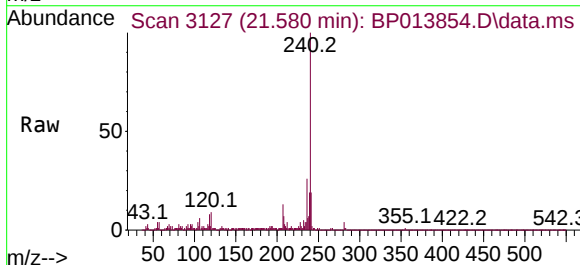
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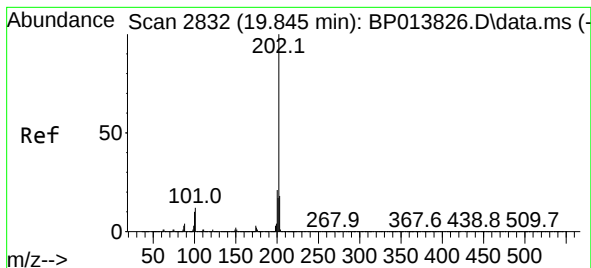
Tgt Ion:202 Resp: 403240
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.0
203 18.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 3127
Delta R.T. 0.006 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

Tgt Ion:240 Resp: 875608
Ion Ratio Lower Upper
240 100
120 8.9 7.9 11.9
236 25.7 20.9 31.3





#78

Pyrene

Concen: 6.060 ng

RT: 19.845 min Scan# 2832

Delta R.T. 0.000 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

Instrument :

BNA_P

ClientSampleId :

COMP-1

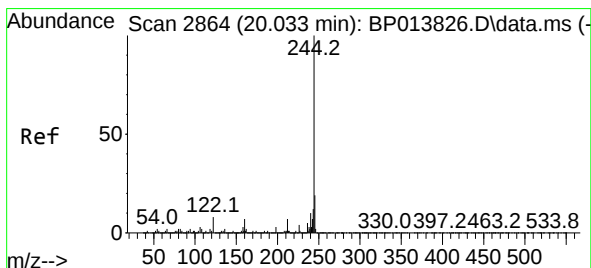
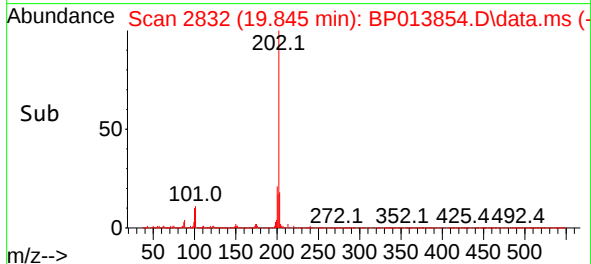
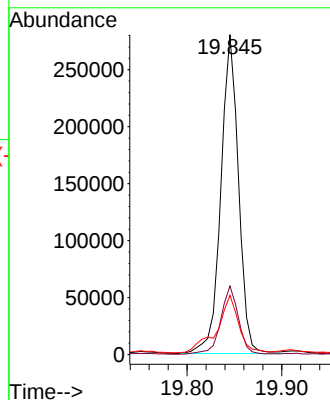
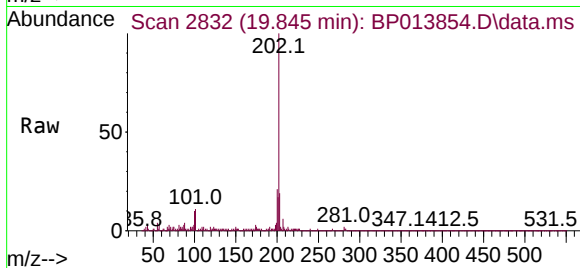
Tgt Ion:202 Resp: 362605

Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

203 18.5 14.2 21.2



#79

Terphenyl-d14

Concen: 42.974 ng

RT: 20.034 min Scan# 2864

Delta R.T. 0.000 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

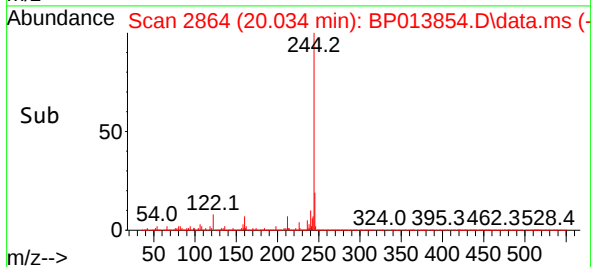
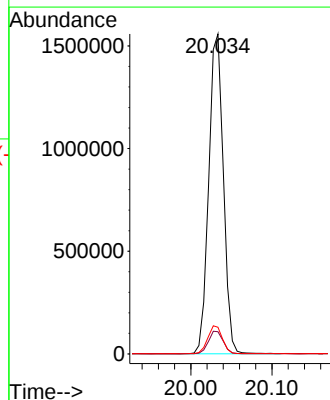
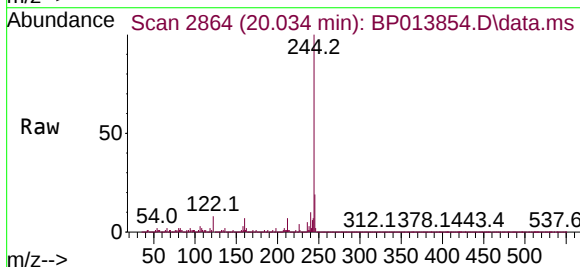
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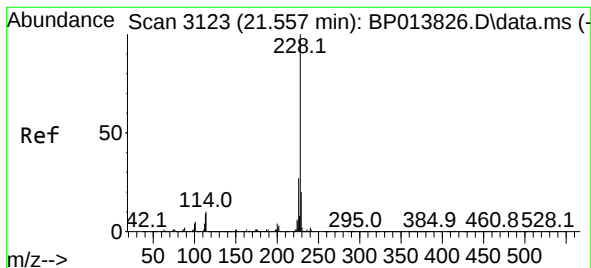
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 8.3 6.7 10.1





#81

Benzo(a)anthracene

Concen: 3.155 ng

RT: 21.563 min Scan# 3123

Delta R.T. 0.006 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

Instrument :

BNA_P

ClientSampleId :

COMP-1

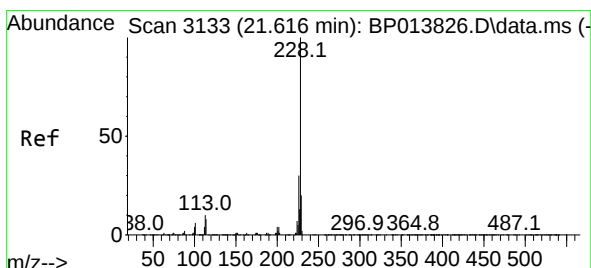
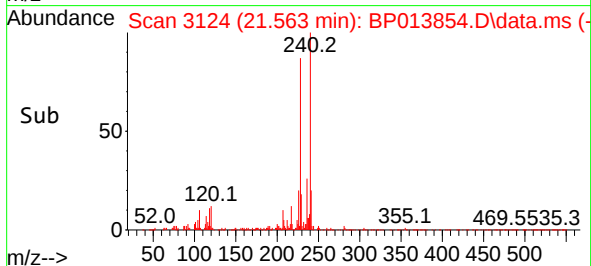
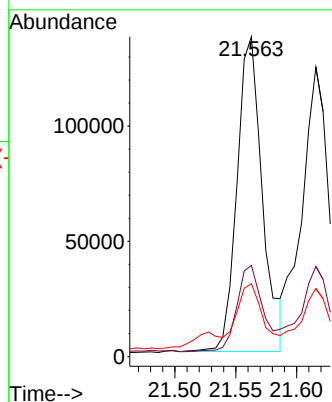
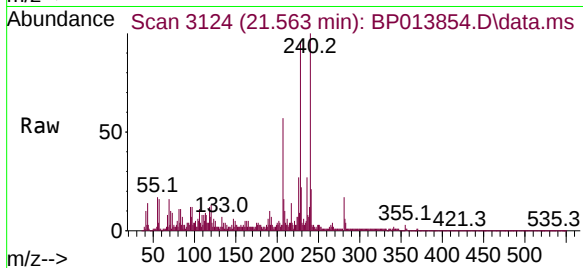
Tgt Ion:228 Resp: 197808

Ion Ratio Lower Upper

228 100

226 28.5 21.7 32.5

229 22.8 15.8 23.6



#83

Chrysene

Concen: 3.113 ng

RT: 21.616 min Scan# 3133

Delta R.T. 0.000 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

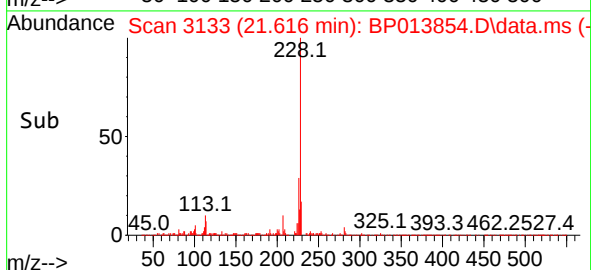
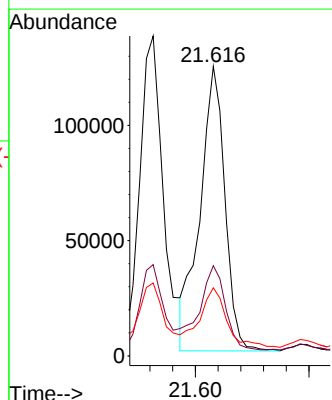
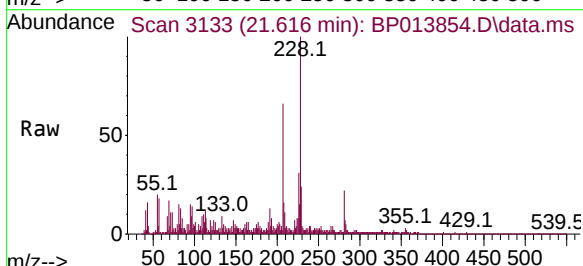
Tgt Ion:228 Resp: 189109

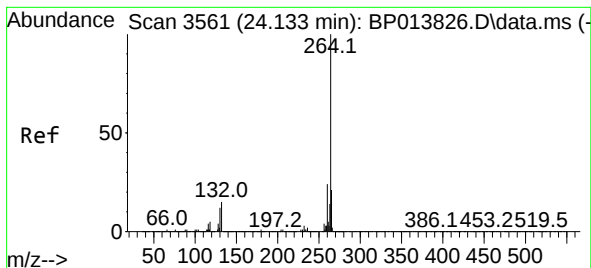
Ion Ratio Lower Upper

228 100

226 31.2 23.8 35.8

229 23.5 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.139 min Scan# 3561

Delta R.T. 0.006 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

Instrument :

BNA_P

ClientSampleId :

COMP-1

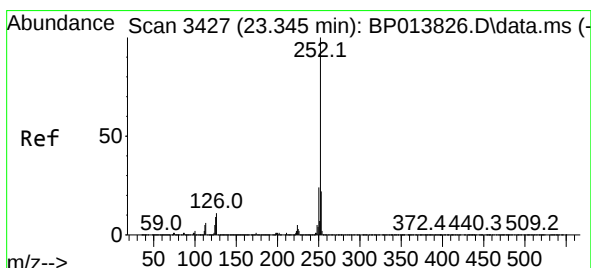
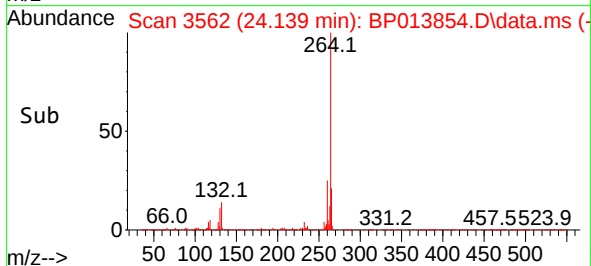
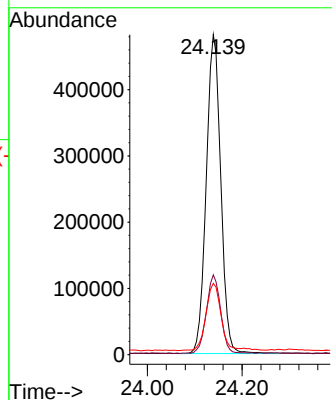
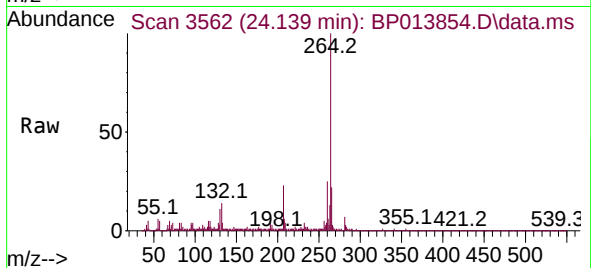
Tgt Ion:264 Resp: 1025991

Ion Ratio Lower Upper

264 100

260 24.9 19.4 29.0

265 22.3 17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 3.897 ng

RT: 23.351 min Scan# 3428

Delta R.T. 0.006 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

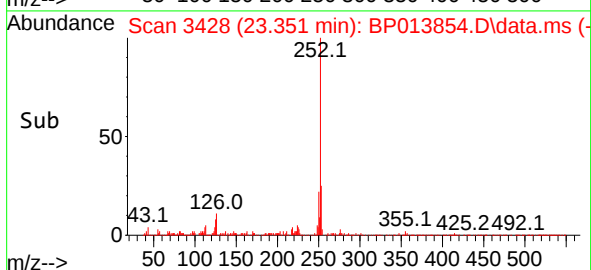
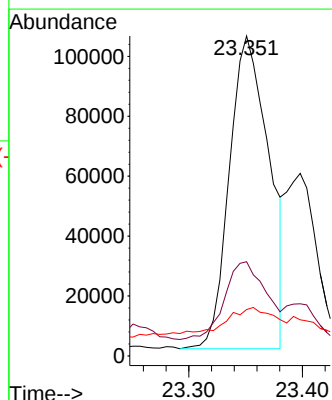
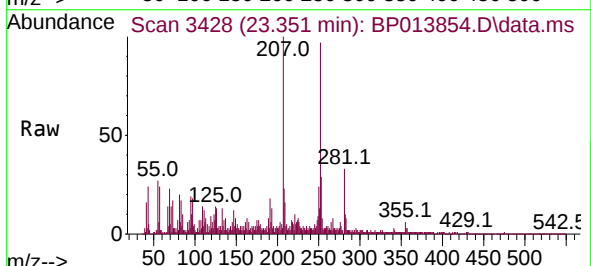
Tgt Ion:252 Resp: 252881

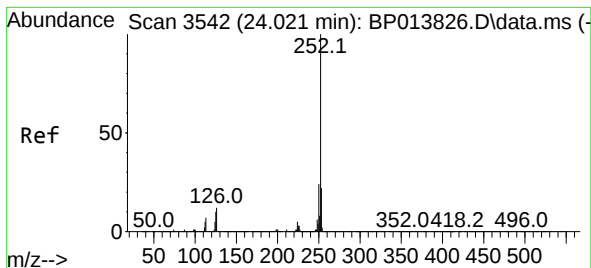
Ion Ratio Lower Upper

252 100

253 29.4 17.8 26.6#

125 14.5 7.1 10.7#





#90

Benzo(a)pyrene

Concen: 2.793 ng

RT: 24.022 min Scan# 3542

Delta R.T. 0.000 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

Instrument :

BNA_P

ClientSampleId :

COMP-1

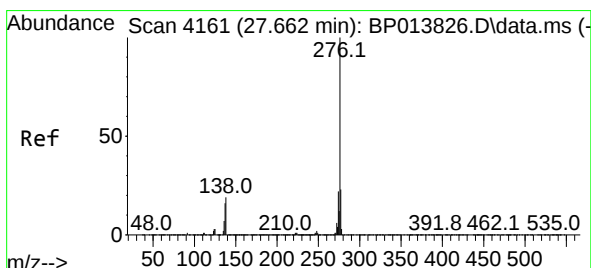
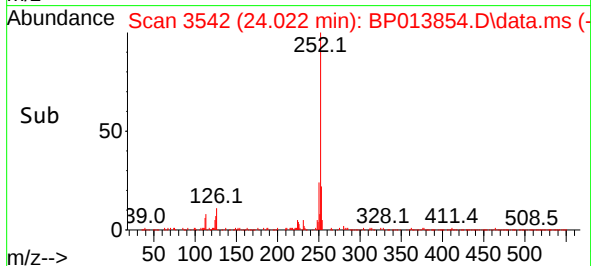
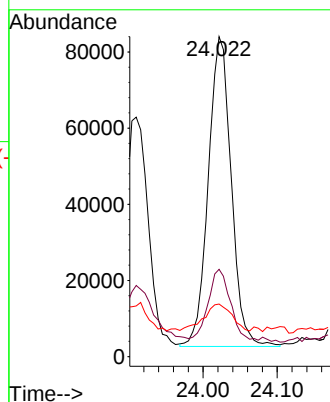
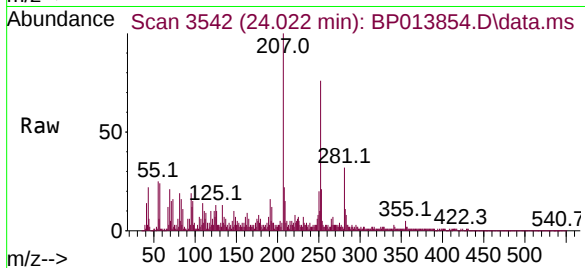
Tgt Ion:252 Resp: 175226

Ion Ratio Lower Upper

252 100

253 27.3 17.4 26.0#

125 16.4 7.7 11.5#



#92

Benzo(g,h,i)perylene

Concen: 2.172 ng

RT: 27.668 min Scan# 4162

Delta R.T. 0.006 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

Tgt Ion:276 Resp: 143652

Ion Ratio Lower Upper

276 100

277 28.7 18.7 28.1#

138 20.1 15.5 23.3

