

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011123\
 Data File : BP013444.D
 Acq On : 11 Jan 2023 15:20
 Operator : CG/JU
 Sample : 01089-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PL-1-010923

Quant Time: Jan 11 16:04:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 13 03:29:24 2022
 Response via : Initial Calibration

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

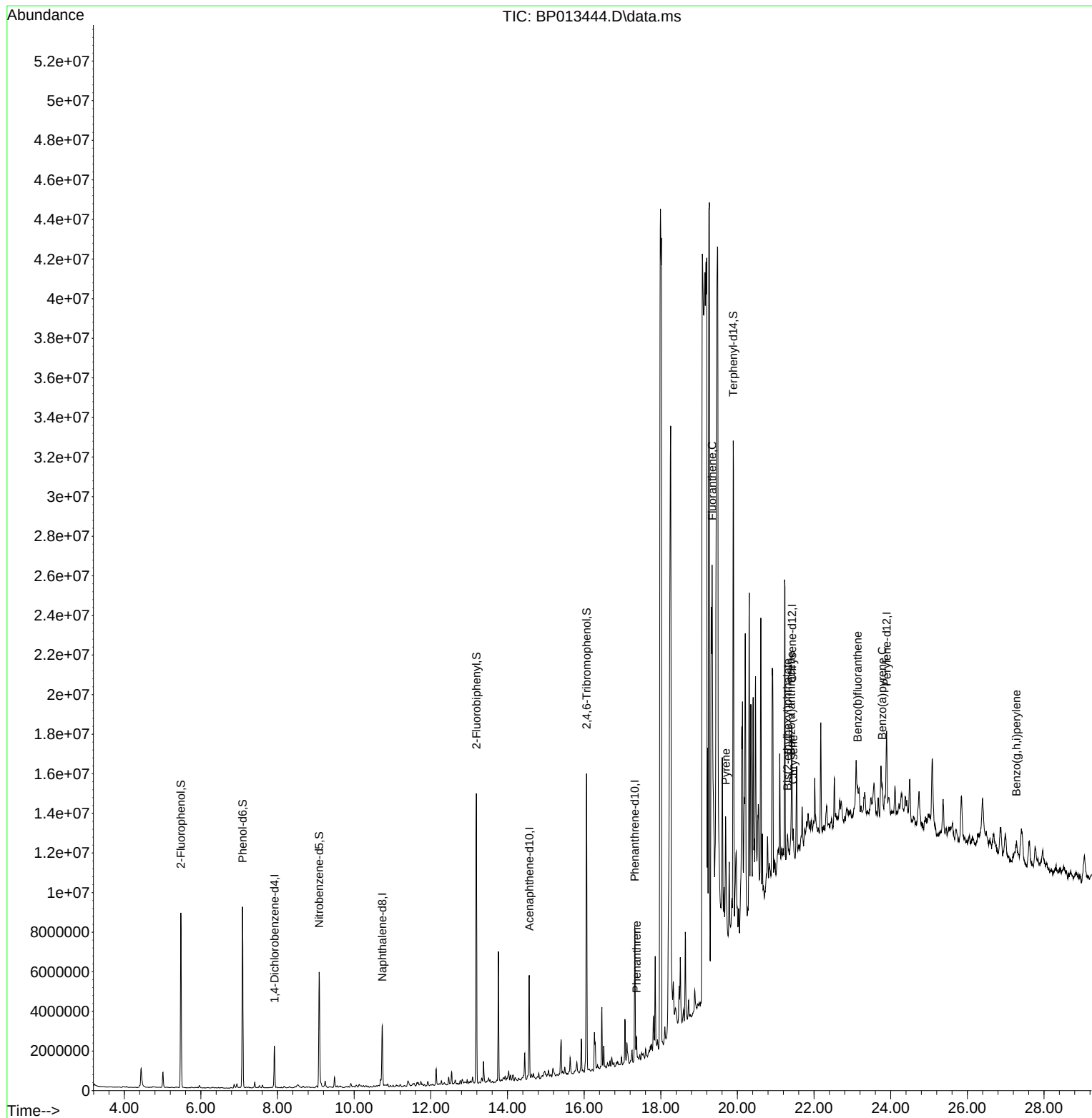
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	582888	20.000	ng	0.00
21) Naphthalene-d8	10.734	136	2533680	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	1770269	20.000	ng	0.02
64) Phenanthrene-d10	17.322	188	4128906	20.000	ng	0.01
76) Chrysene-d12	21.422	240	3253666	20.000	ng	0.03
86) Perylene-d12	23.892	264	3462753	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	3801215	119.154	ng	0.01
7) Phenol-d6	7.087	99	5000537	120.027	ng	0.01
23) Nitrobenzene-d5	9.087	82	2976200	64.397	ng	0.00
42) 2,4,6-Tribromophenol	16.063	330	3115908	145.986	ng	0.02
45) 2-Fluorobiphenyl	13.187	172	7424605	56.946	ng	0.00
79) Terphenyl-d14	19.892	244	11701512	70.953	ng	0.03
Target Compounds						
						Qvalue
71) Phenanthrene	17.369	178	651233	2.772	ng	99
75) Fluoranthene	19.339	202	1413177	5.588	ng	85
78) Pyrene	19.698	202	1635206	6.994	ng	# 96
81) Benzo(a)anthracene	21.404	228	804456	3.617	ng	# 88
83) Chrysene	21.457	228	1063892	4.904	ng	# 91
84) Bis(2-ethylhexyl)phtha...	21.310	149	220108	4.580	ng	# 84
88) Benzo(b)fluoranthene	23.133	252	971325	4.357	ng	# 63
90) Benzo(a)pyrene	23.780	252	635428	3.396	ng	# 67
92) Benzo(g,h,i)perylene	27.280	276	536196	2.301	ng	# 79

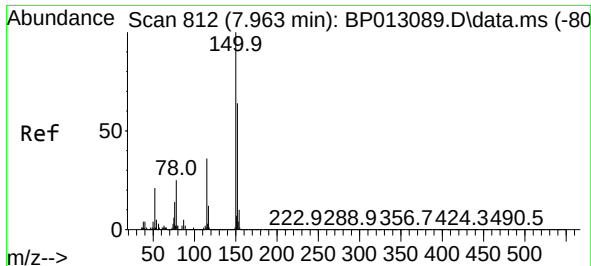
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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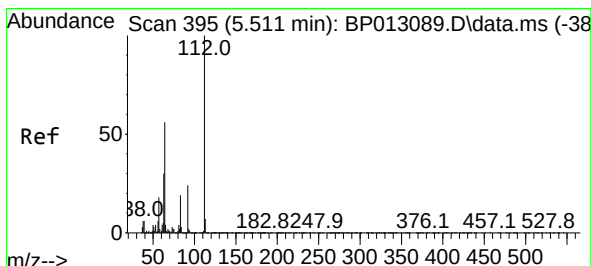
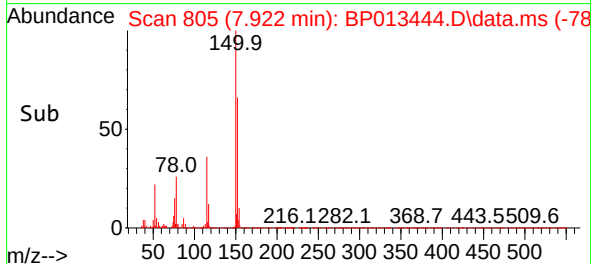
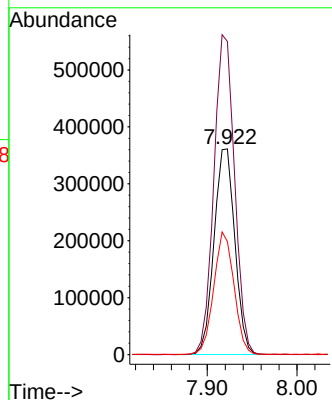
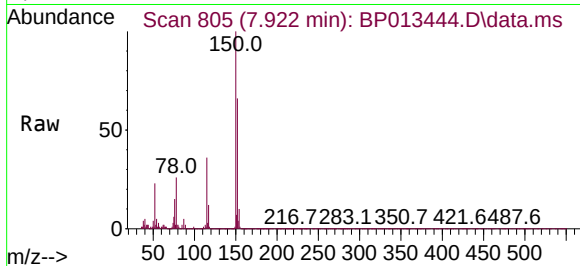




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 80
Delta R.T. 0.009 min
Lab File: BP013444.D
Acq: 11 Jan 2023 15:20

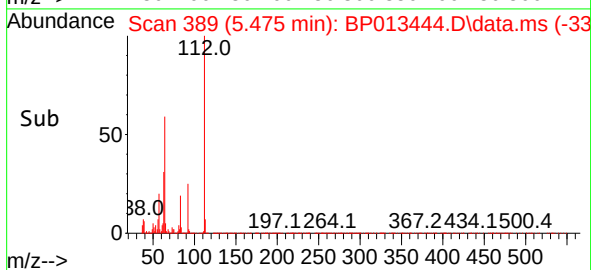
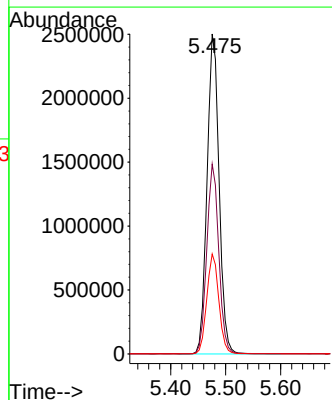
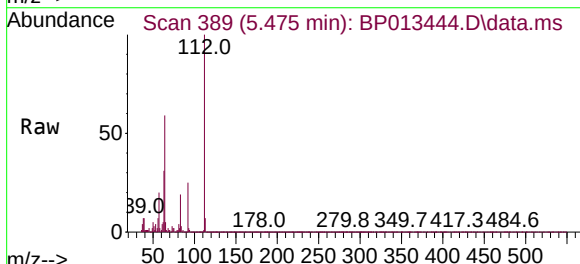
Instrument :
BNA_P
ClientSampleId :
PL-1-010923

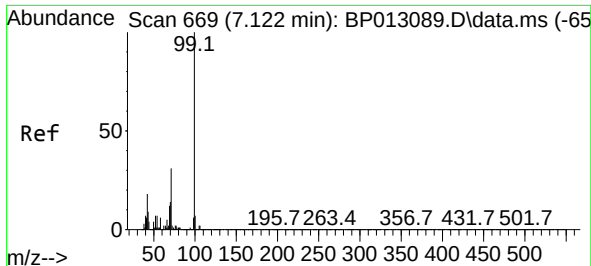
Tgt Ion:152 Resp: 582888
Ion Ratio Lower Upper
152 100
150 152.2 125.3 187.9
115 55.0 45.6 68.4



#5
2-Fluorophenol
Concen: 119.154 ng
RT: 5.475 min Scan# 389
Delta R.T. 0.015 min
Lab File: BP013444.D
Acq: 11 Jan 2023 15:20

Tgt Ion:112 Resp: 3801215
Ion Ratio Lower Upper
112 100
64 59.3 45.1 67.7
63 31.3 23.8 35.6

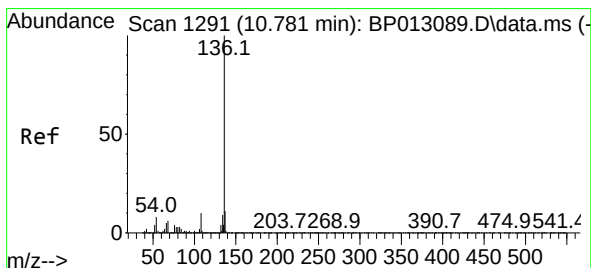
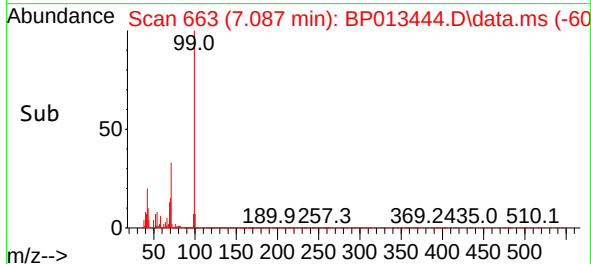
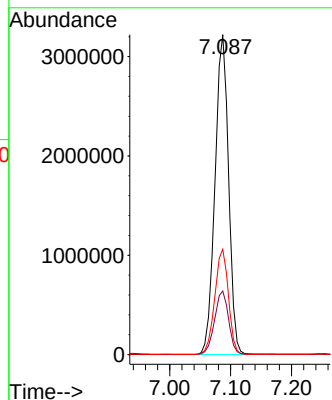
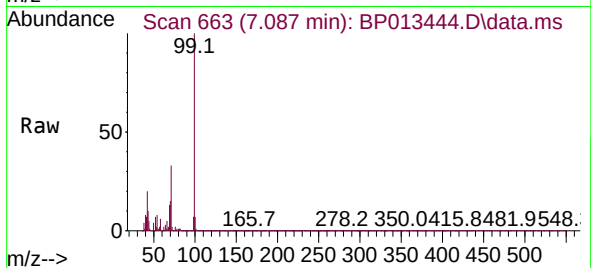




#7
Phenol-d6
Concen: 120.027 ng
RT: 7.087 min Scan# 60
Delta R.T. 0.015 min
Lab File: BP013444.D
Acq: 11 Jan 2023 15:20

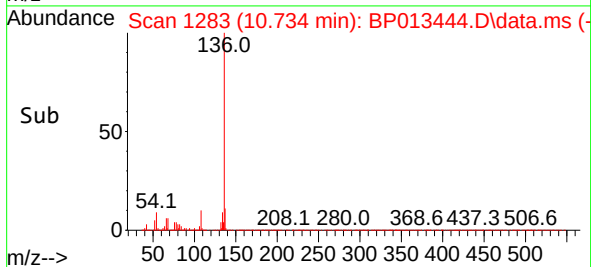
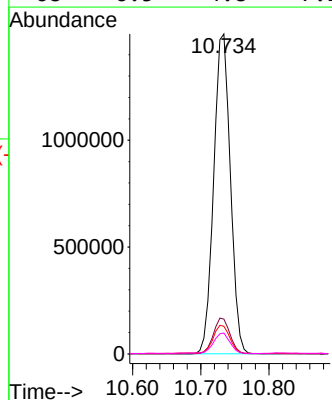
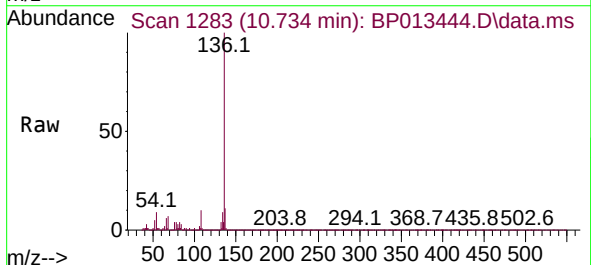
Instrument :
BNA_P
ClientSampleId :
PL-1-010923

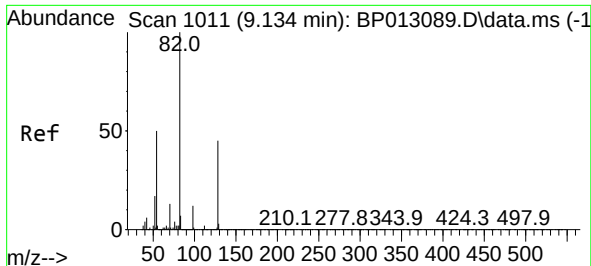
Tgt Ion: 99 Resp: 5000537
Ion Ratio Lower Upper
99 100
42 19.9 14.2 21.4
71 32.9 24.7 37.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 1283
Delta R.T. 0.003 min
Lab File: BP013444.D
Acq: 11 Jan 2023 15:20

Tgt Ion:136 Resp: 2533680
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.6 6.2 9.4
68 6.5 4.8 7.2





#23

Nitrobenzene-d5

Concen: 64.397 ng

RT: 9.087 min Scan# 10

Delta R.T. 0.003 min

Lab File: BP013444.D

Acq: 11 Jan 2023 15:20

Instrument :

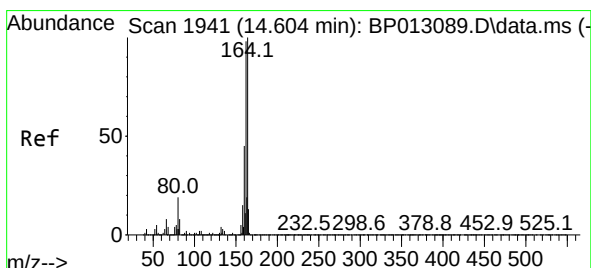
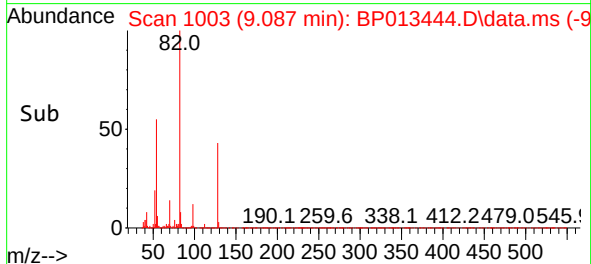
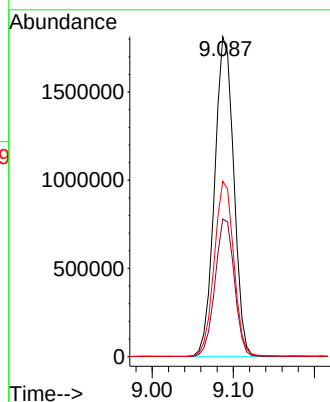
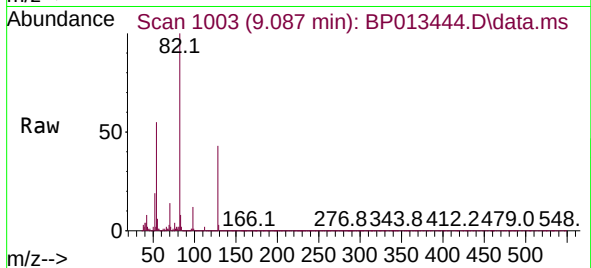
BNA_P

ClientSampleId :

PL-1-010923

Tgt Ion: 82 Resp: 2976200

Ion	Ratio	Lower	Upper
82	100		
128	43.0	35.9	53.9
54	54.8	40.4	60.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.569 min Scan# 1935

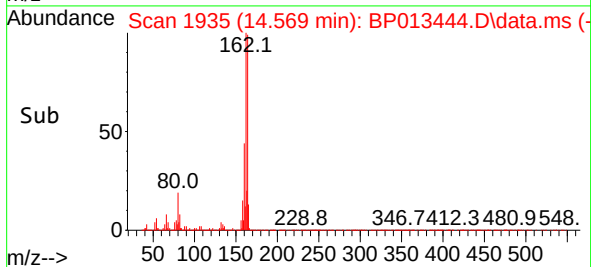
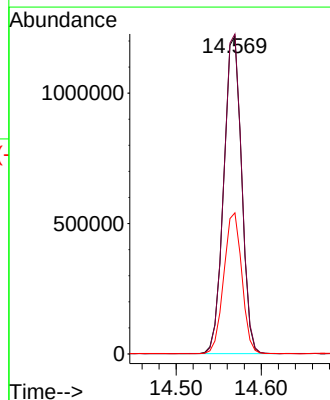
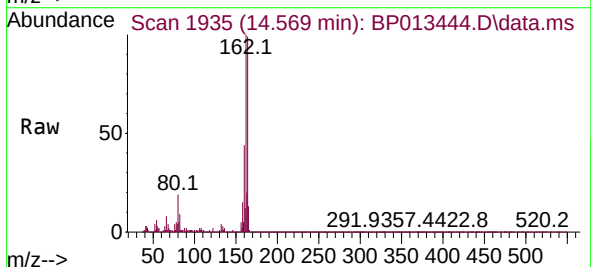
Delta R.T. 0.015 min

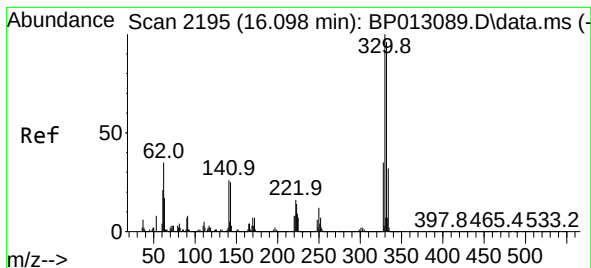
Lab File: BP013444.D

Acq: 11 Jan 2023 15:20

Tgt Ion: 164 Resp: 1770269

Ion	Ratio	Lower	Upper
164	100		
162	100.7	78.8	118.2
160	44.4	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 145.986 ng

RT: 16.063 min Scan# 21

Delta R.T. 0.015 min

Lab File: BP013444.D

Acq: 11 Jan 2023 15:20

Instrument :

BNA_P

ClientSampleId :

PL-1-010923

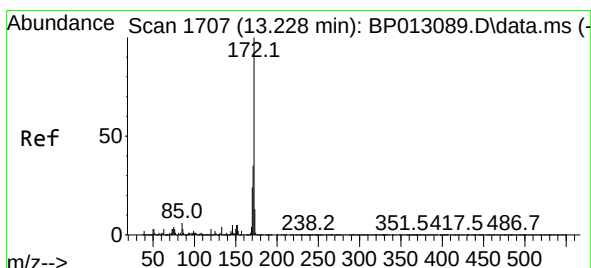
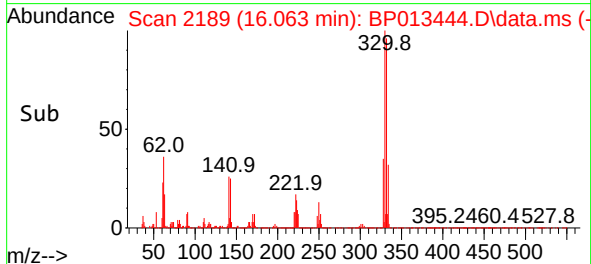
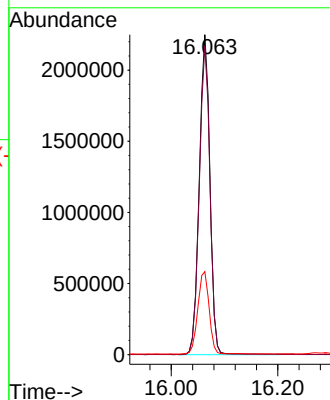
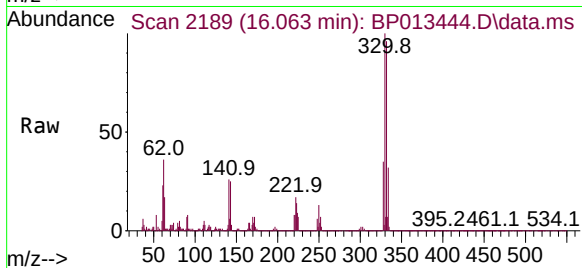
Tgt Ion:330 Resp: 3115908

Ion Ratio Lower Upper

330 100

332 96.4 77.5 116.3

141 27.2 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 56.946 ng

RT: 13.187 min Scan# 1700

Delta R.T. 0.009 min

Lab File: BP013444.D

Acq: 11 Jan 2023 15:20

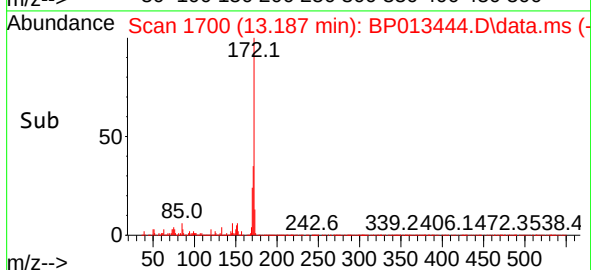
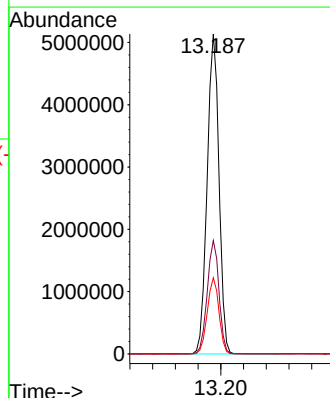
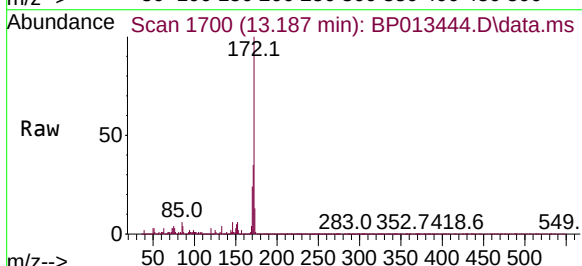
Tgt Ion:172 Resp: 7424605

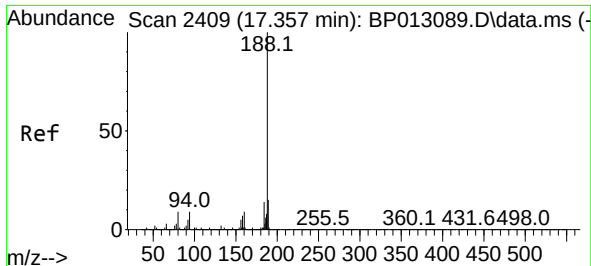
Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.8 19.2 28.8

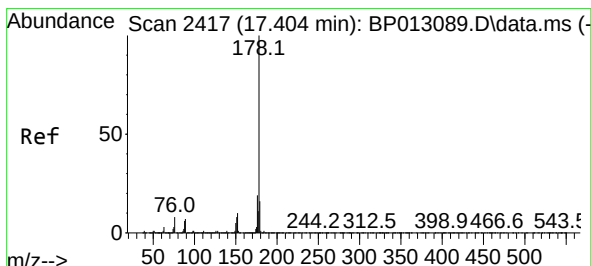
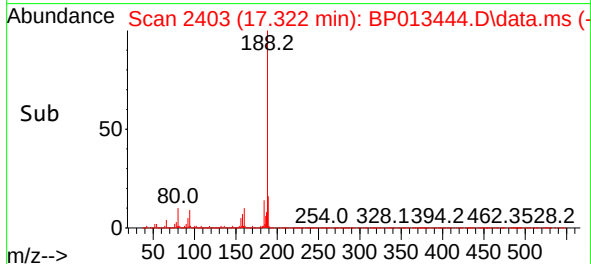
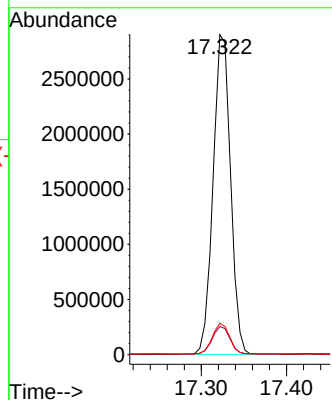
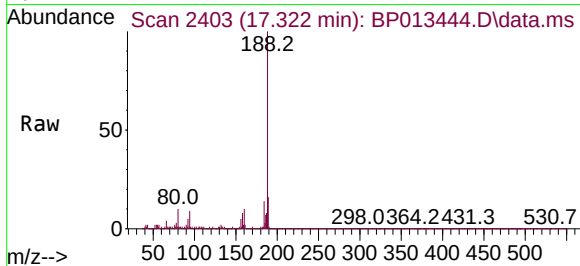




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.322 min Scan# 2410
Delta R.T. 0.015 min
Lab File: BP013444.D
Acq: 11 Jan 2023 15:20

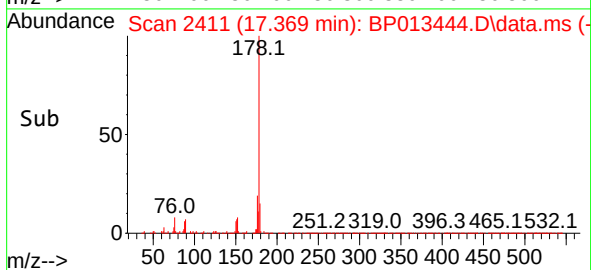
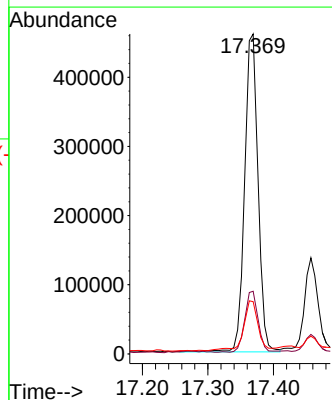
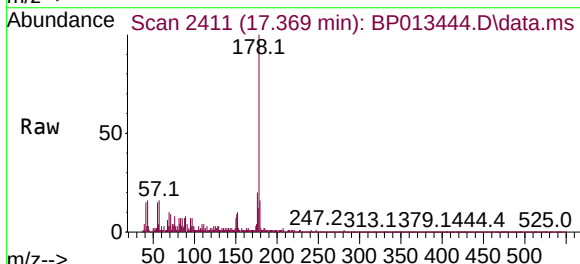
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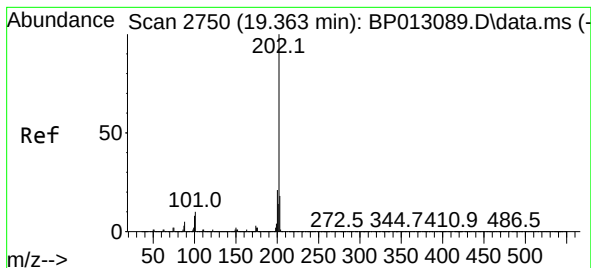
Tgt Ion:188 Resp: 4128906
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.6
80 9.8 7.5 11.3



#71
Phenanthrene
Concen: 2.772 ng
RT: 17.369 min Scan# 2411
Delta R.T. 0.015 min
Lab File: BP013444.D
Acq: 11 Jan 2023 15:20

Tgt Ion:178 Resp: 651233
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 16.3 12.6 18.8





#75

Fluoranthene

Concen: 5.588 ng

RT: 19.339 min Scan# 21

Delta R.T. 0.027 min

Lab File: BP013444.D

Acq: 11 Jan 2023 15:20

Instrument :

BNA_P

ClientSampleId :

PL-1-010923

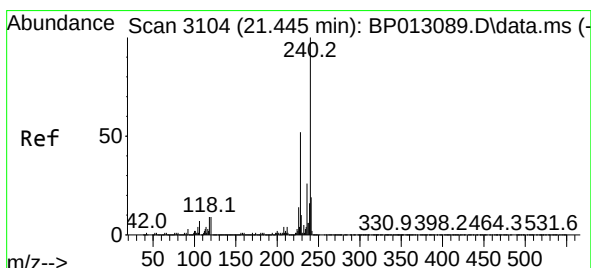
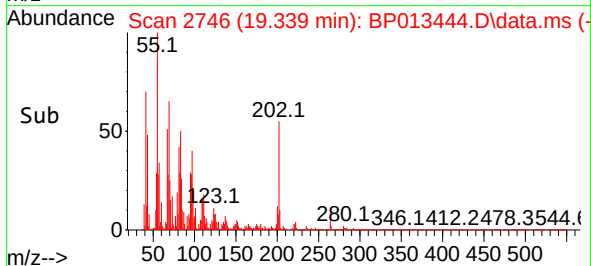
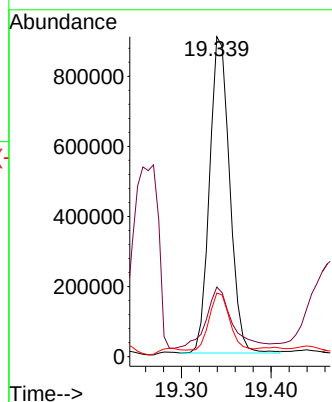
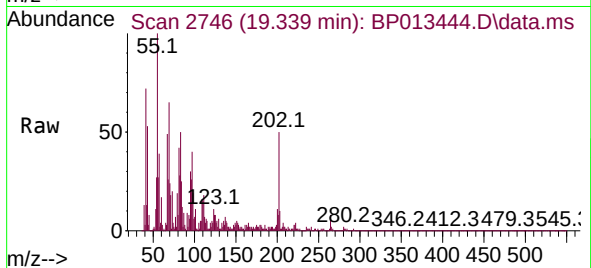
Tgt Ion:202 Resp: 1413177

Ion Ratio Lower Upper

202 100

101 21.7 0.0 30.0

203 19.9 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.422 min Scan# 3100

Delta R.T. 0.027 min

Lab File: BP013444.D

Acq: 11 Jan 2023 15:20

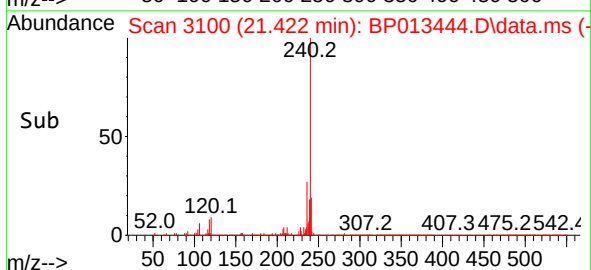
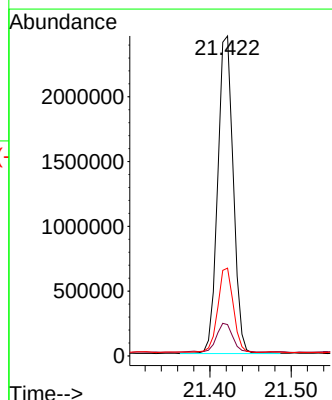
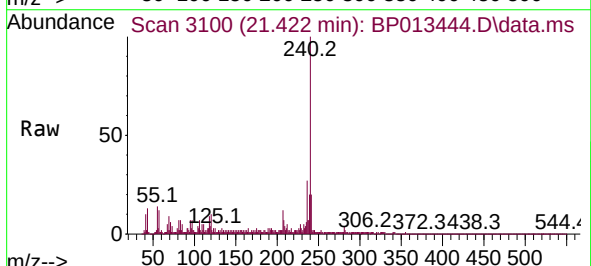
Tgt Ion:240 Resp: 3253666

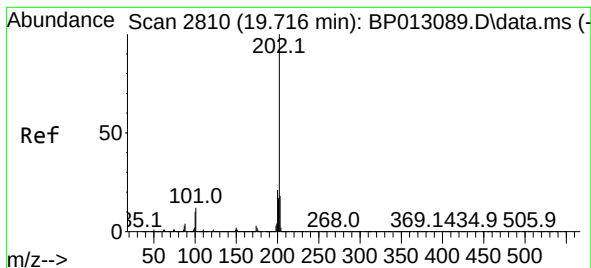
Ion Ratio Lower Upper

240 100

120 9.8 7.4 11.2

236 27.5 21.0 31.4





#78

Pyrene

Concen: 6.994 ng

RT: 19.698 min Scan# 2810

Delta R.T. 0.032 min

Lab File: BP013444.D

Acq: 11 Jan 2023 15:20

Instrument :

BNA_P

ClientSampleId :

PL-1-010923

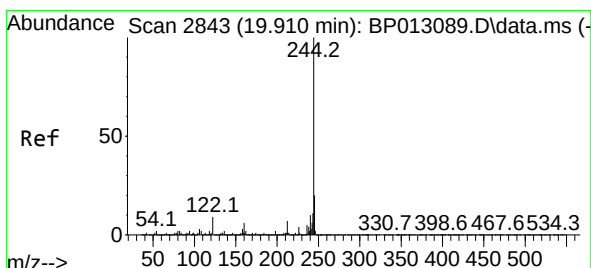
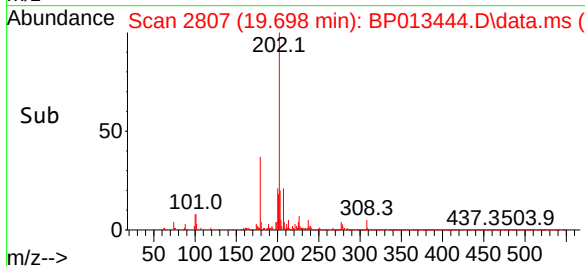
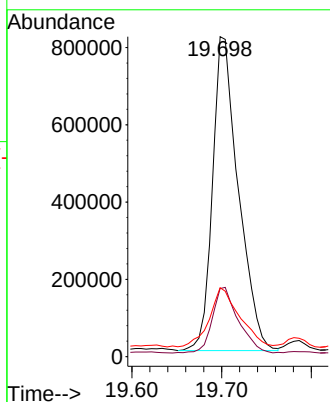
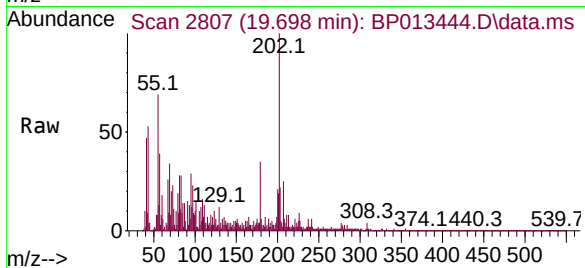
Tgt Ion:202 Resp: 1635206

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 21.5 14.2 21.2#



#79

Terphenyl-d14

Concen: 70.953 ng

RT: 19.892 min Scan# 2840

Delta R.T. 0.032 min

Lab File: BP013444.D

Acq: 11 Jan 2023 15:20

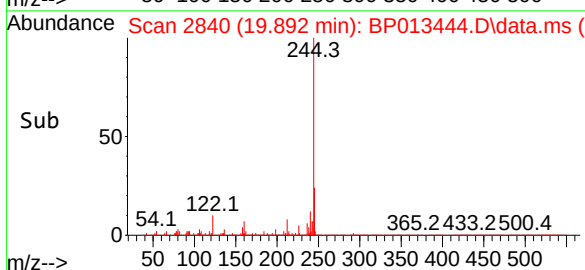
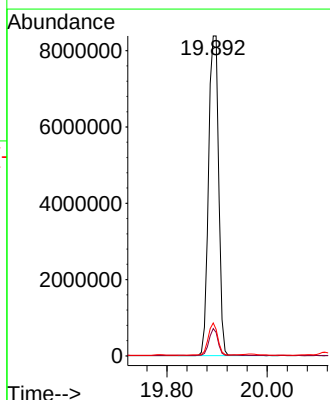
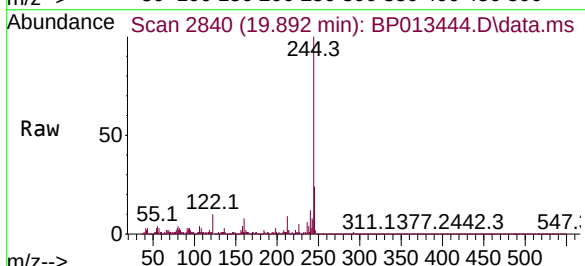
Tgt Ion:244 Resp:11701512

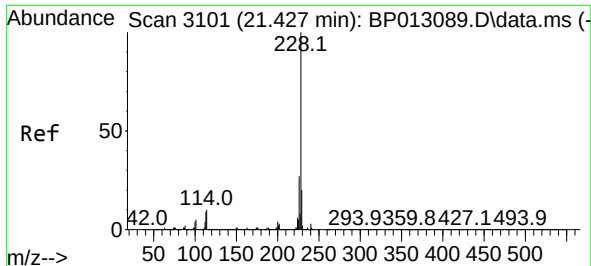
Ion Ratio Lower Upper

244 100

212 8.5 5.5 8.3#

122 10.3 7.2 10.8

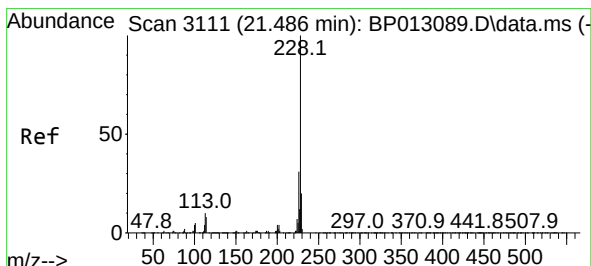
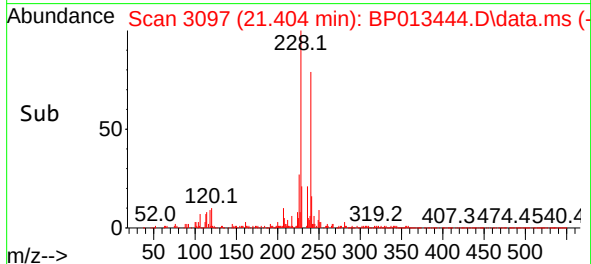
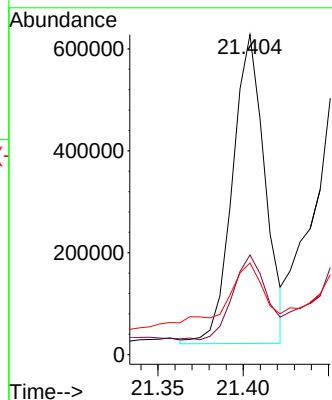
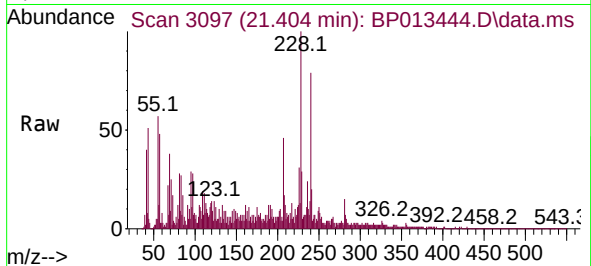




#81
Benzo(a)anthracene
Concen: 3.617 ng
RT: 21.404 min Scan# 30
Delta R.T. 0.027 min
Lab File: BP013444.D
Acq: 11 Jan 2023 15:20

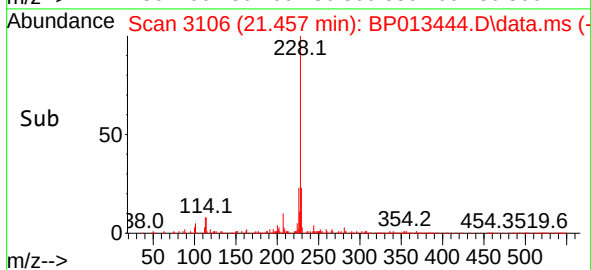
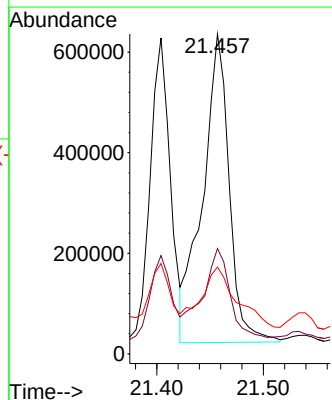
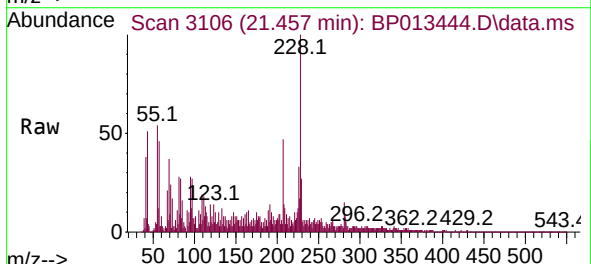
Instrument :
BNA_P
ClientSampleId :
PL-1-010923

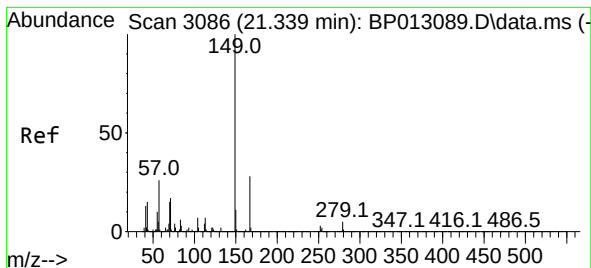
Tgt Ion:228 Resp: 804456
Ion Ratio Lower Upper
228 100
226 31.1 22.0 33.0
229 28.6 16.2 24.4#



#83
Chrysene
Concen: 4.904 ng
RT: 21.457 min Scan# 3106
Delta R.T. 0.021 min
Lab File: BP013444.D
Acq: 11 Jan 2023 15:20

Tgt Ion:228 Resp: 1063892
Ion Ratio Lower Upper
228 100
226 32.9 24.3 36.5
229 27.1 16.0 24.0#





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.580 ng

RT: 21.310 min Scan# 3086

Delta R.T. 0.021 min

Lab File: BP013444.D

Acq: 11 Jan 2023 15:20

Instrument :

BNA_P

ClientSampleId :

PL-1-010923

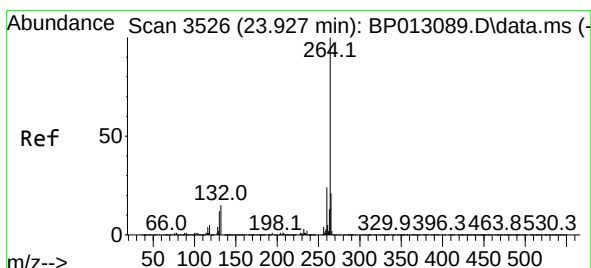
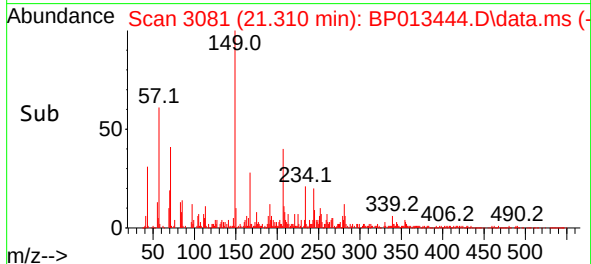
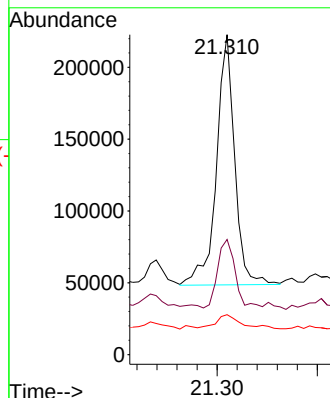
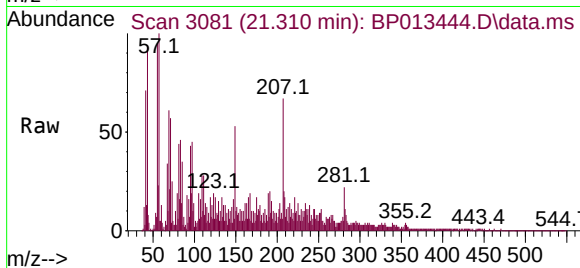
Tgt Ion:149 Resp: 220108

Ion Ratio Lower Upper

149 100

167 36.0 22.6 34.0#

279 12.5 3.8 5.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.892 min Scan# 3520

Delta R.T. 0.015 min

Lab File: BP013444.D

Acq: 11 Jan 2023 15:20

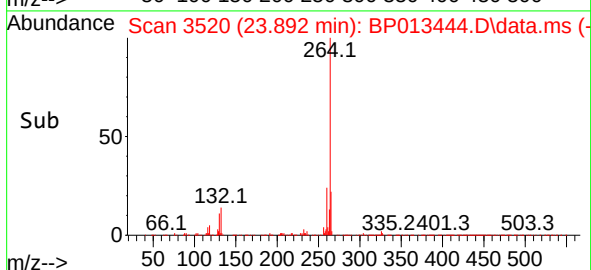
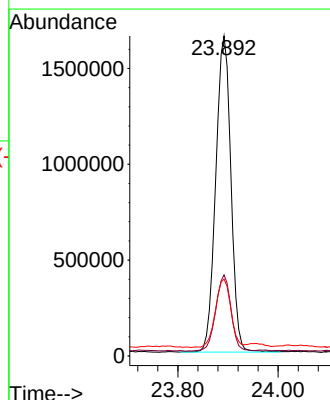
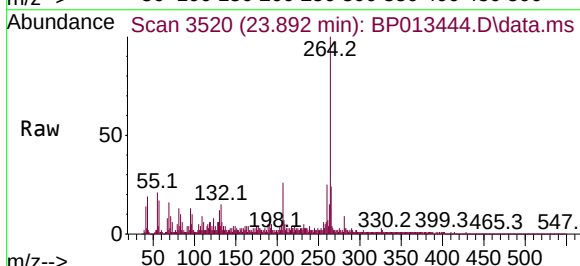
Tgt Ion:264 Resp: 3462753

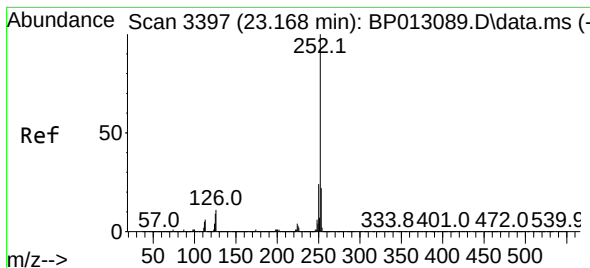
Ion Ratio Lower Upper

264 100

260 25.3 19.1 28.7

265 24.0 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 4.357 ng

RT: 23.133 min Scan# 3397

Delta R.T. 0.015 min

Lab File: BP013444.D

Acq: 11 Jan 2023 15:20

Instrument :

BNA_P

ClientSampleId :

PL-1-010923

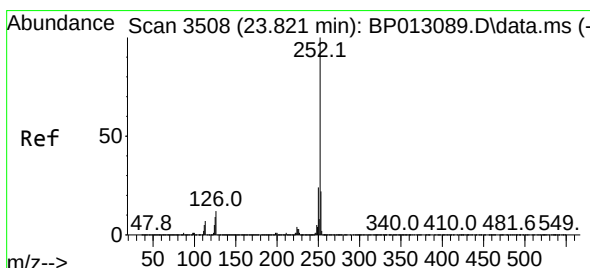
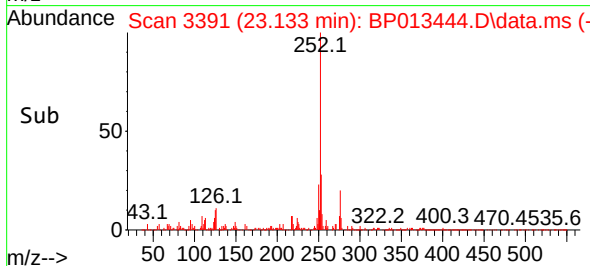
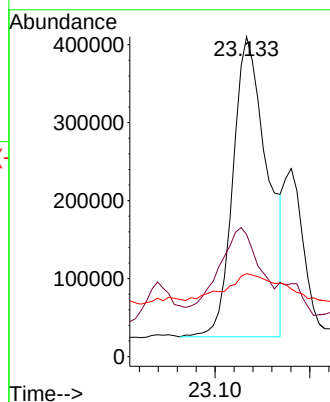
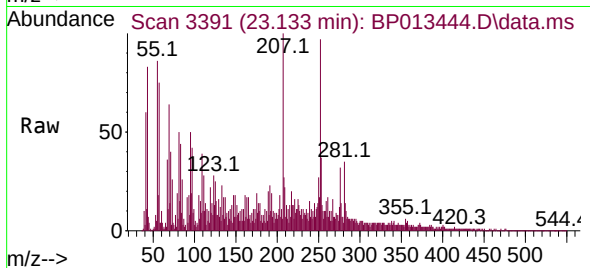
Tgt Ion:252 Resp: 971325

Ion Ratio Lower Upper

252 100

253 38.1 17.8 26.6#

125 25.9 7.0 10.4#



#90

Benzo(a)pyrene

Concen: 3.396 ng

RT: 23.780 min Scan# 3501

Delta R.T. 0.009 min

Lab File: BP013444.D

Acq: 11 Jan 2023 15:20

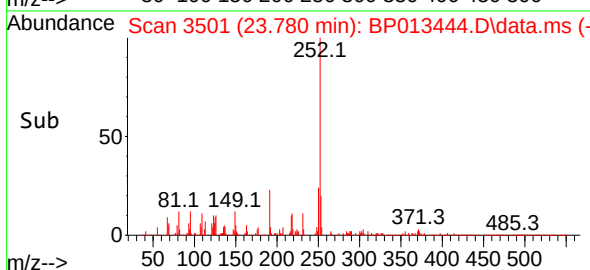
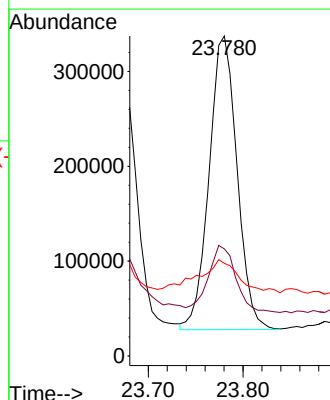
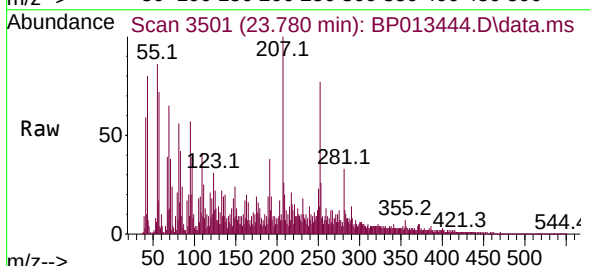
Tgt Ion:252 Resp: 635428

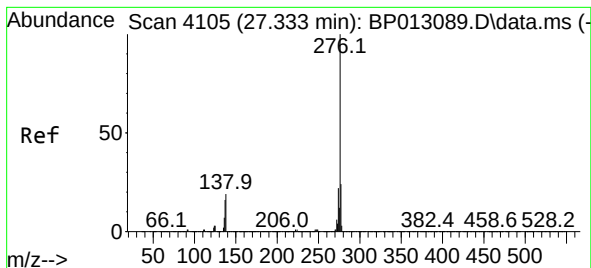
Ion Ratio Lower Upper

252 100

253 33.4 17.5 26.3#

125 28.9 7.4 11.2#





#92

Benzo(g,h,i)perylene

Concen: 2.301 ng

RT: 27.280 min Scan# 40

Delta R.T. -0.003 min

Lab File: BP013444.D

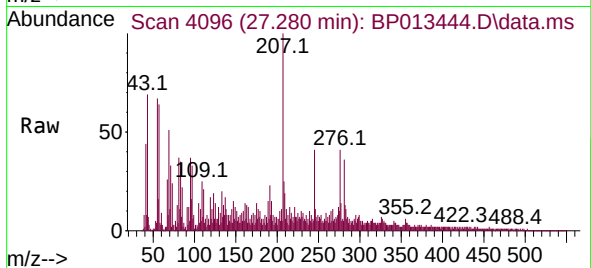
Acq: 11 Jan 2023 15:20

Instrument :

BNA_P

ClientSampleId :

PL-1-010923



Tgt Ion:276 Resp: 536196

Ion Ratio Lower Upper

276 100

277 34.6 18.9 28.3#

138 27.0 15.0 22.6#

