

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120121\
 Data File : BP008183.D
 Acq On : 01 Dec 2021 21:00
 Operator : CG/JU
 Sample : M4865-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-05-113021

Quant Time: Dec 01 21:39:28 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 01 12:06:05 2021
 Response via : Initial Calibration

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

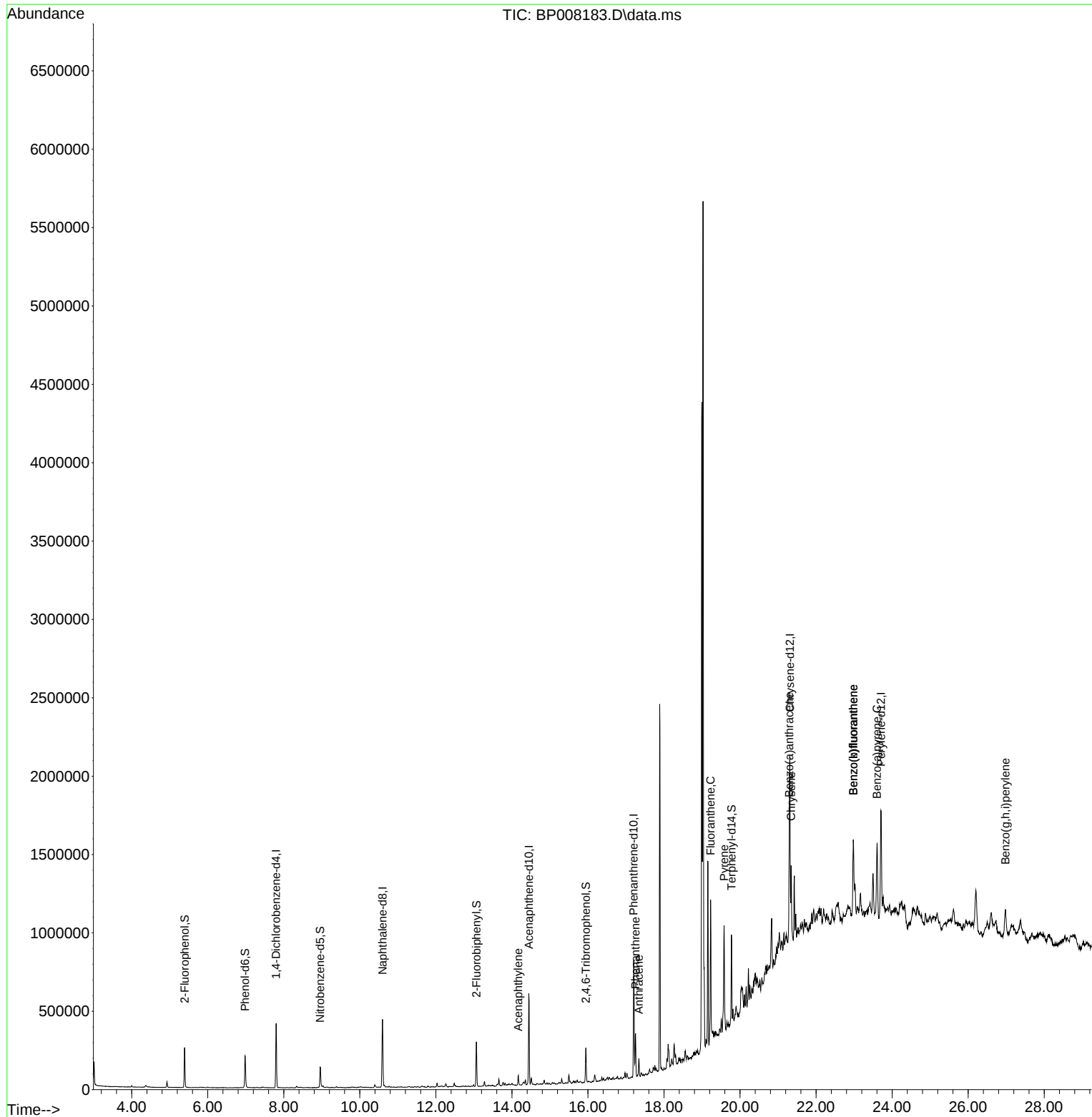
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	105683	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	337738	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	197813	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	437622	20.000	ng	0.00
76) Chrysene-d12	21.310	240	488700	20.000	ng	0.00
86) Perylene-d12	23.710	264	551854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	99281	15.126	ng	0.00
7) Phenol-d6	6.981	99	115502	13.035	ng	0.00
23) Nitrobenzene-d5	8.957	82	77218	10.397	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	38608	15.270	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	146970	10.792	ng	0.00
79) Terphenyl-d14	19.774	244	255750	10.937	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.928	77	136	Below Cal	#	25
49) Acenaphthylene	14.169	152	39989	2.287	ng	97
71) Phenanthrene	17.251	178	167791	7.262	ng	99
72) Anthracene	17.339	178	68068	2.968	ng	97
75) Fluoranthene	19.227	202	369801	11.881	ng	99
78) Pyrene	19.580	202	407400	11.298	ng	99
81) Benzo(a)anthracene	21.292	228	255725	7.895	ng	96
83) Chrysene	21.345	228	266785	8.656	ng	96
88) Benzo(b)fluoranthene	22.980	252	544408	16.364	ng	# 94
89) Benzo(k)fluoranthene	22.980	252	544408	16.715	ng	# 94
90) Benzo(a)pyrene	23.604	252	326466	11.482	ng	95
92) Benzo(g,h,i)perylene	26.980	276	253968	7.550	ng	97

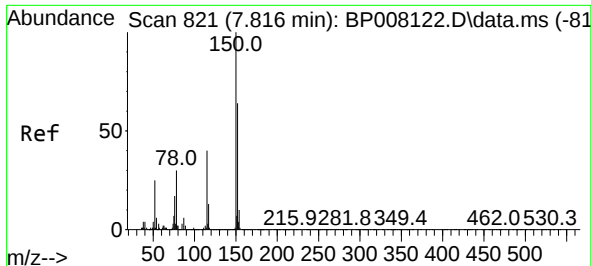
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 01 12:06:05 2021
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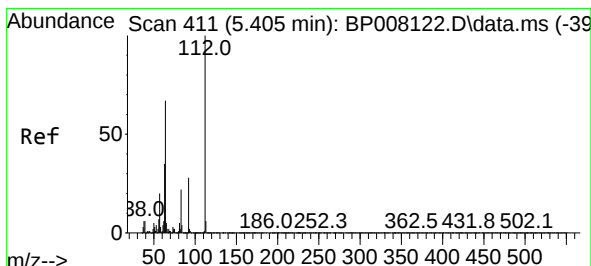
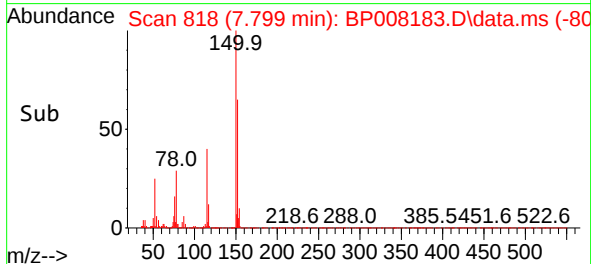
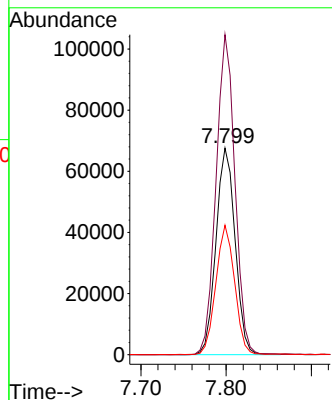
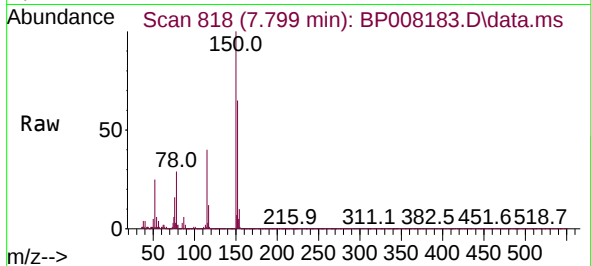




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

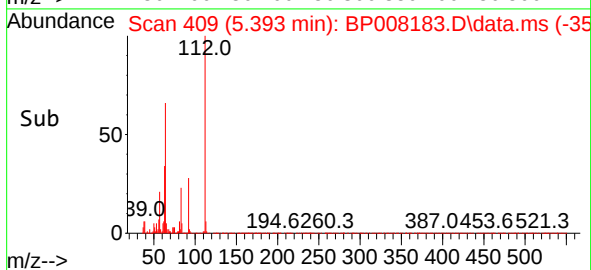
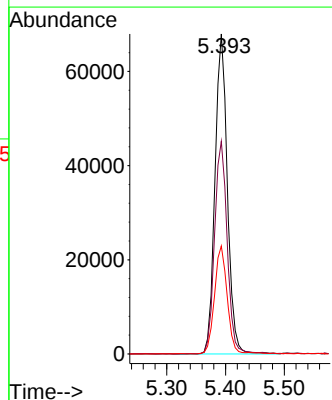
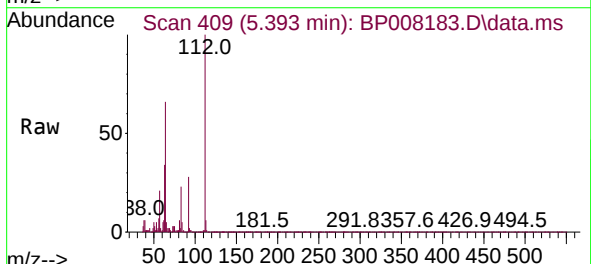
Instrument :
BNA_P
ClientSampleId :
TR-05-113021

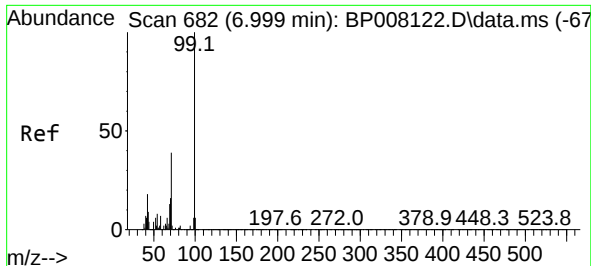
Tgt Ion:152 Resp: 105683
Ion Ratio Lower Upper
152 100
150 154.9 125.7 188.5
115 62.6 50.7 76.1



#5
2-Fluorophenol
Concen: 15.126 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.006 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:112 Resp: 99281
Ion Ratio Lower Upper
112 100
64 66.5 53.4 80.2
63 33.7 27.8 41.8

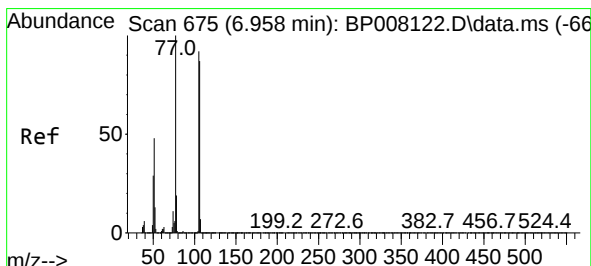
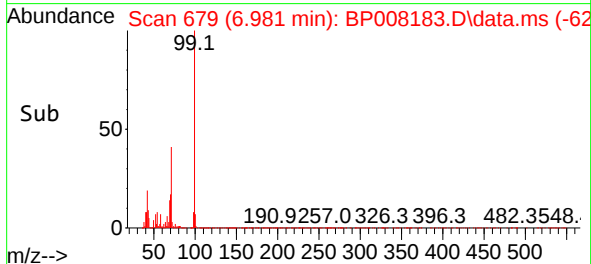
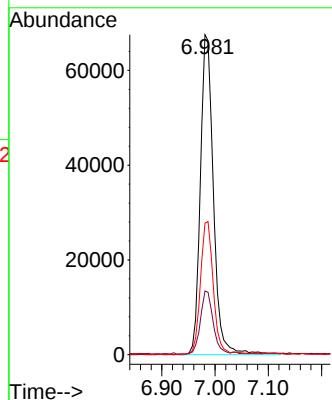
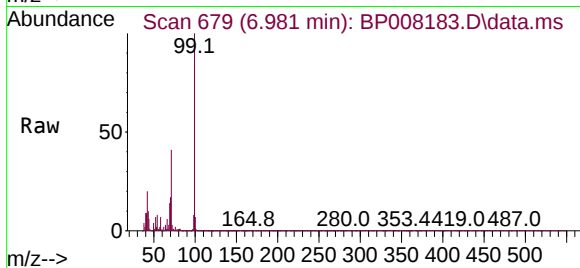




#7
Phenol-d6
Concen: 13.035 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

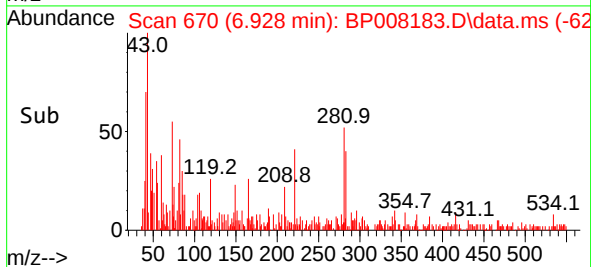
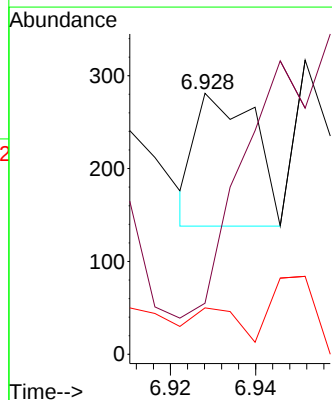
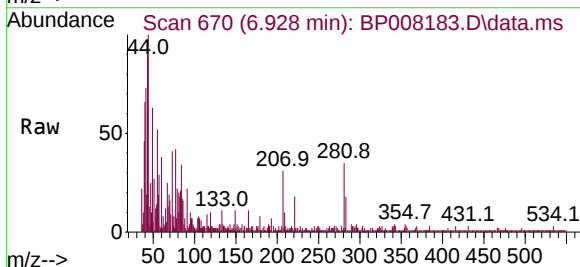
Instrument :
BNA_P
ClientSampleId :
TR-05-113021

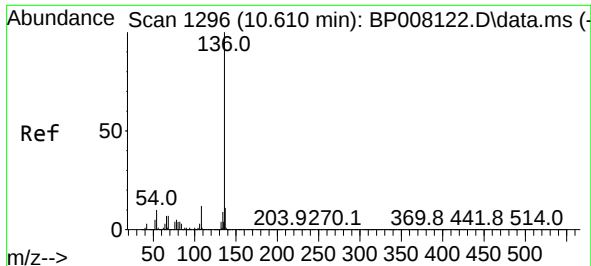
Tgt Ion: 99 Resp: 115502
Ion Ratio Lower Upper
99 100
42 19.9 14.6 22.0
71 41.1 31.1 46.7



#9
Benzaldehyde
Concen: Below Cal
RT: 6.928 min Scan# 670
Delta R.T. -0.012 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion: 77 Resp: 136
Ion Ratio Lower Upper
77 100
105 19.6 71.8 111.8#
106 17.8 67.3 107.3#

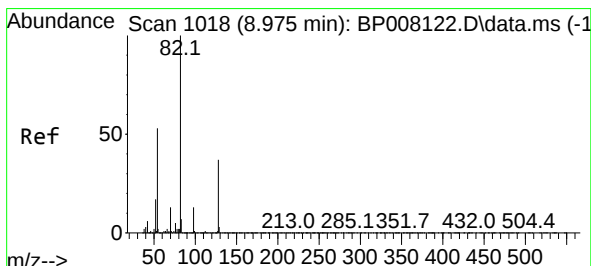
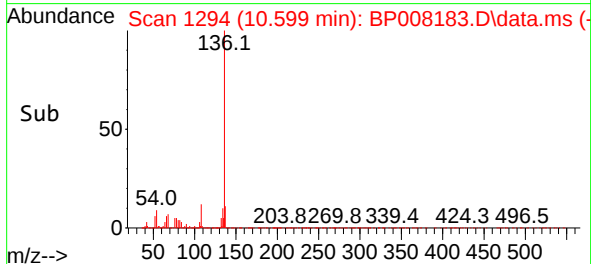
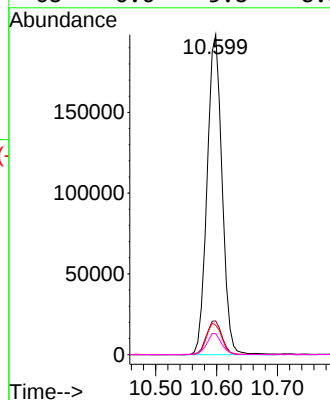
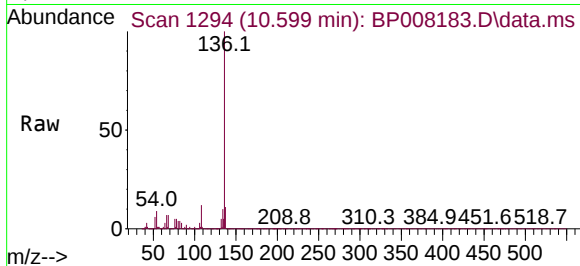




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

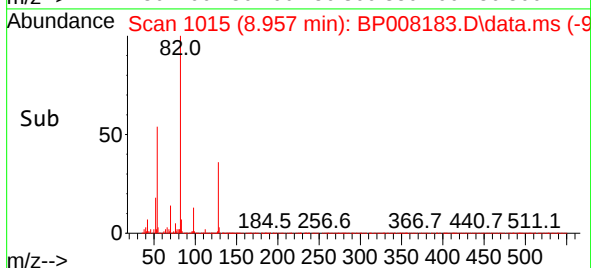
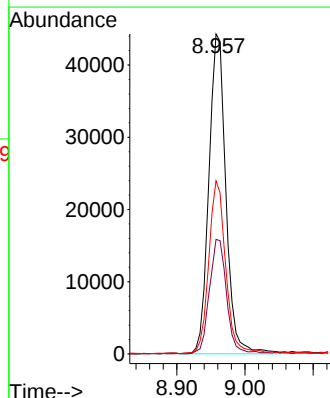
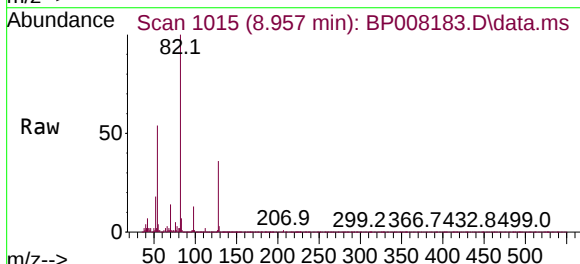
Instrument :
BNA_P
ClientSampleId :
TR-05-113021

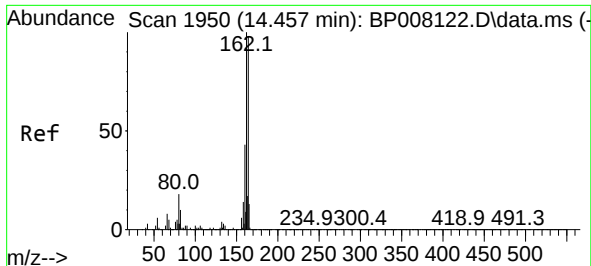
Tgt Ion:	136	Resp:	337738
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.6
54	9.2	8.2	12.4
68	6.6	5.8	8.8



#23
Nitrobenzene-d5
Concen: 10.397 ng
RT: 8.957 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:	82	Resp:	77218
Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.6	44.4
54	54.1	42.7	64.1

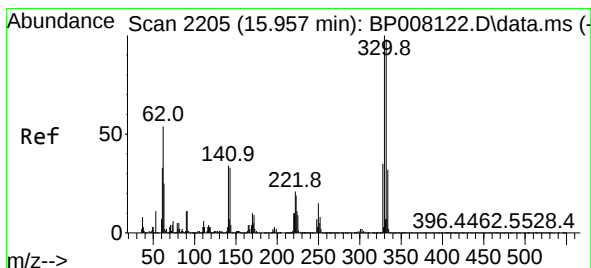
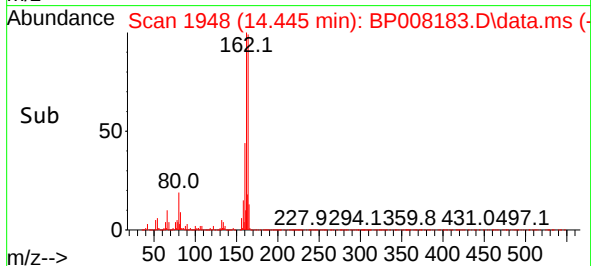
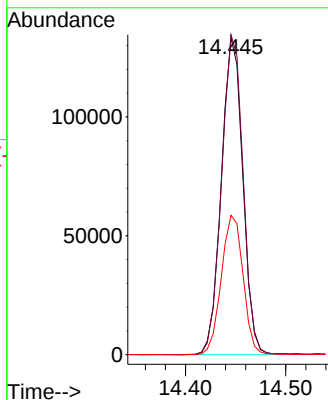
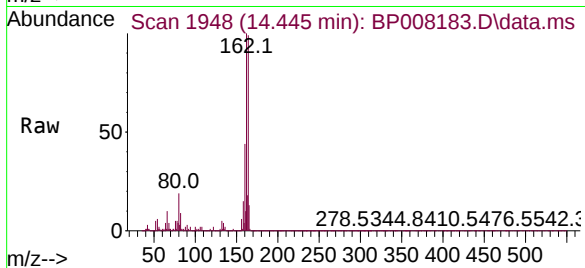




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

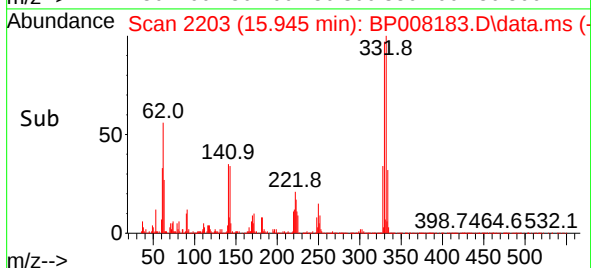
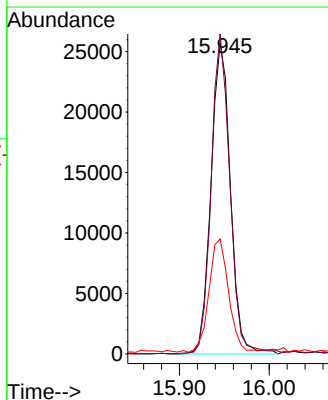
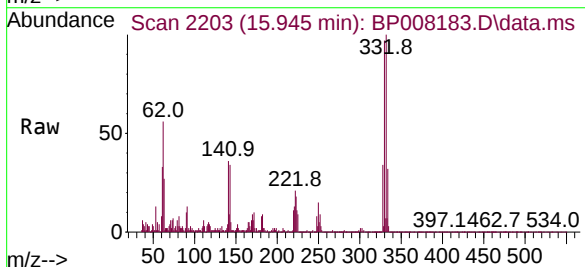
Instrument :
BNA_P
ClientSampleId :
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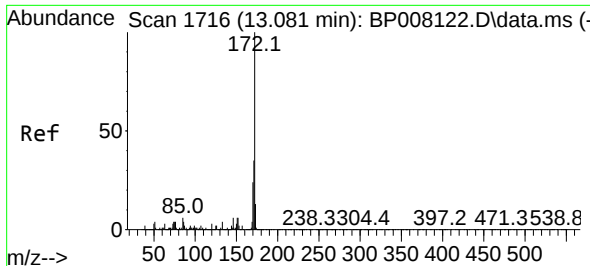
Tgt Ion:164 Resp: 197813
Ion Ratio Lower Upper
164 100
162 101.0 81.9 122.9
160 44.0 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 15.270 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:330 Resp: 38608
Ion Ratio Lower Upper
330 100
332 98.8 77.0 115.4
141 36.5 28.4 42.6

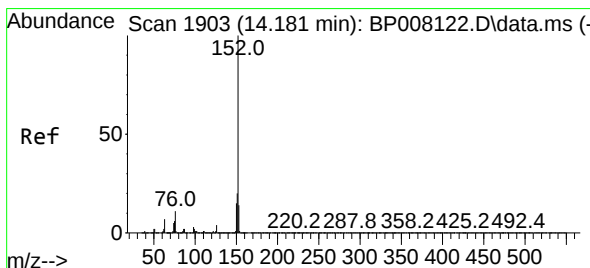
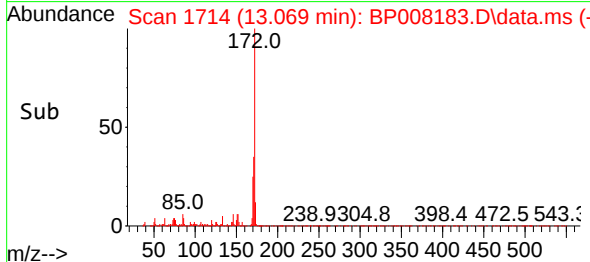
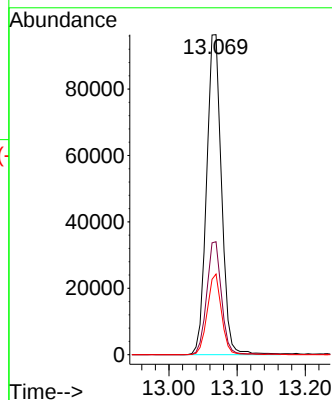
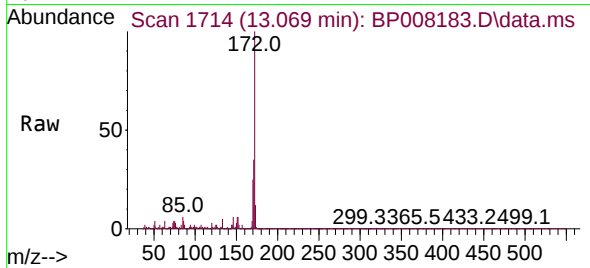




#45
2-Fluorobiphenyl
Concen: 10.792 ng
RT: 13.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

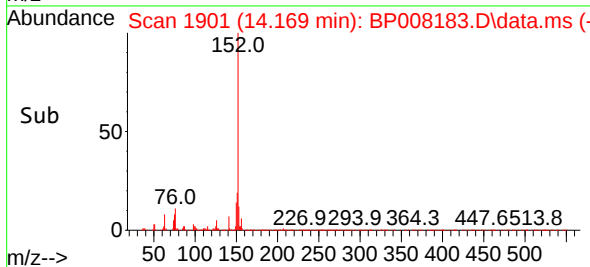
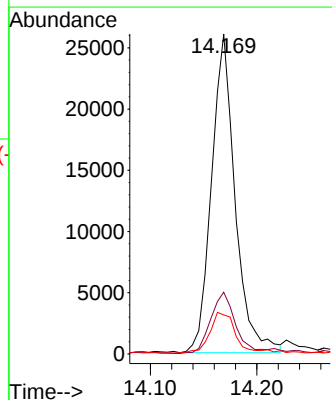
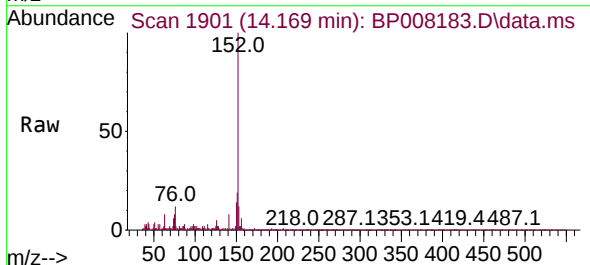
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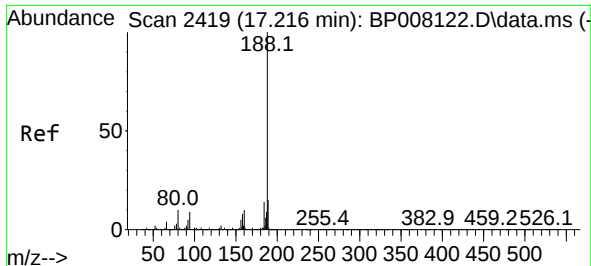
Tgt Ion:172 Resp: 146970
Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 25.2 18.9 28.3



#49
Acenaphthylene
Concen: 2.287 ng
RT: 14.169 min Scan# 1901
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:152 Resp: 39989
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.4
153 12.2 10.9 16.3

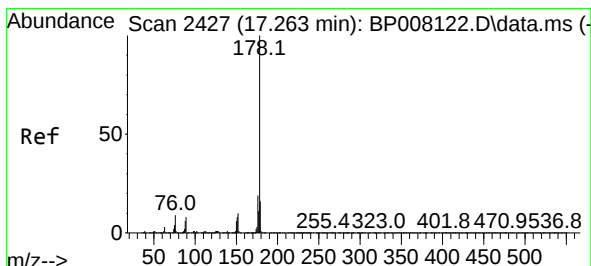
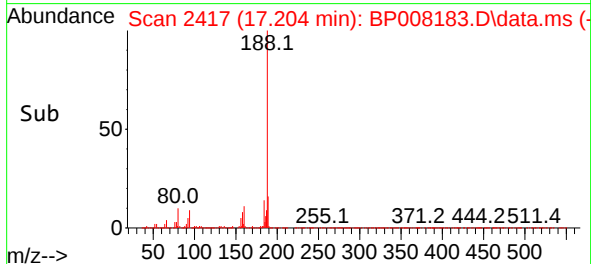
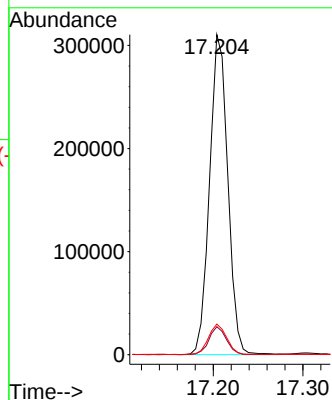
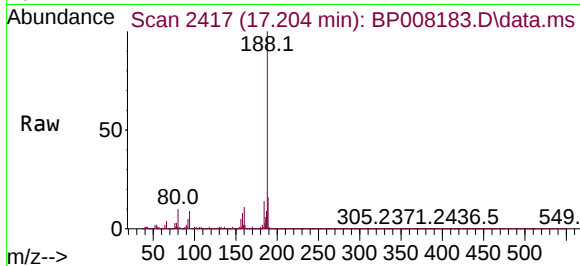




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

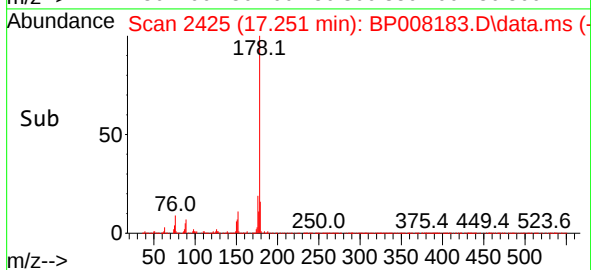
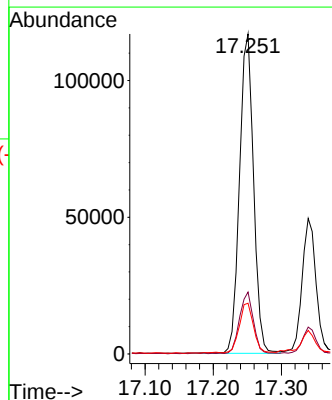
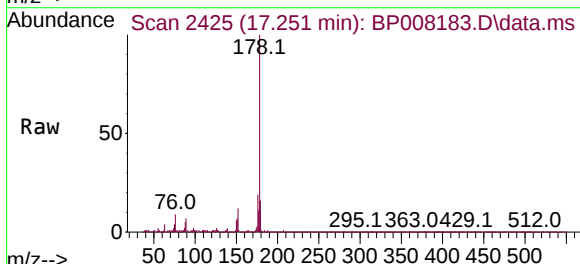
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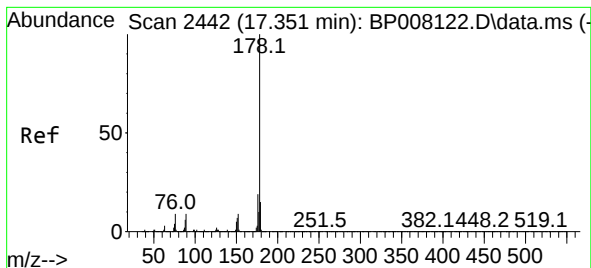
Tgt Ion:188 Resp: 437622
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 9.6 8.2 12.4



#71
Phenanthrene
Concen: 7.262 ng
RT: 17.251 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:178 Resp: 167791
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.9 12.5 18.7





#72

Anthracene

Concen: 2.968 ng

RT: 17.339 min Scan# 2442

Delta R.T. -0.000 min

Lab File: BP008183.D

Acq: 01 Dec 2021 21:00

Instrument :

BNA_P

ClientSampleId :

TR-05-113021

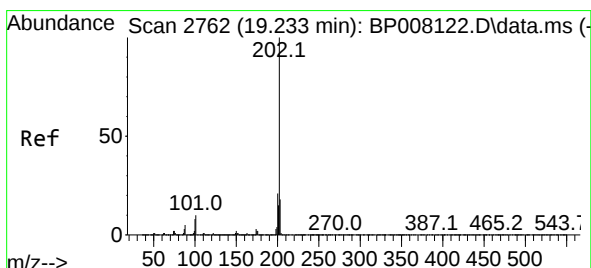
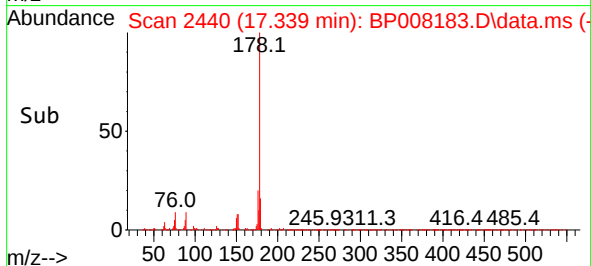
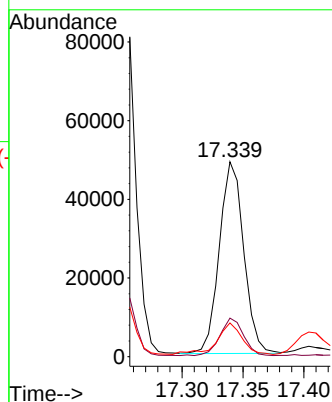
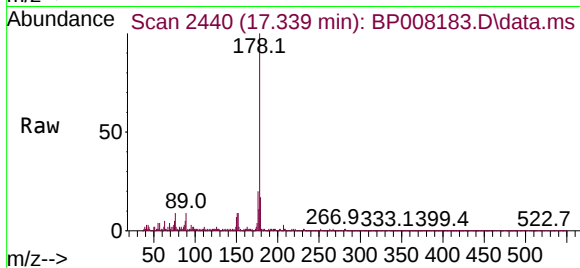
Tgt Ion:178 Resp: 68068

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

179 17.4 12.3 18.5



#75

Fluoranthene

Concen: 11.881 ng

RT: 19.227 min Scan# 2761

Delta R.T. -0.000 min

Lab File: BP008183.D

Acq: 01 Dec 2021 21:00

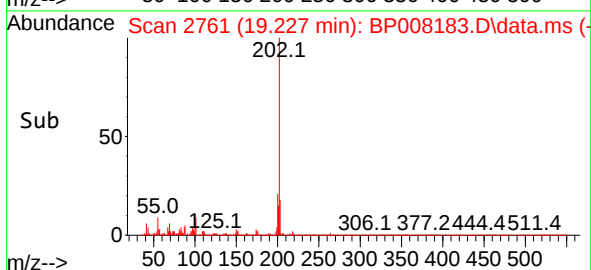
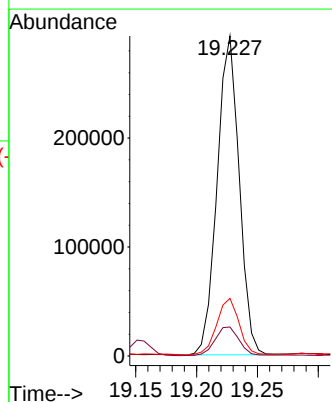
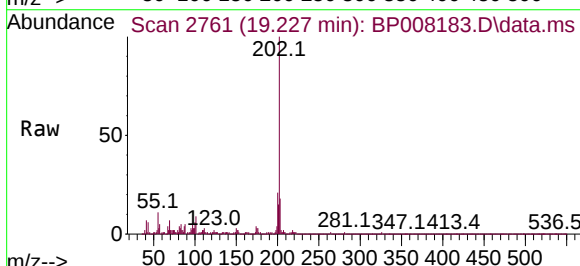
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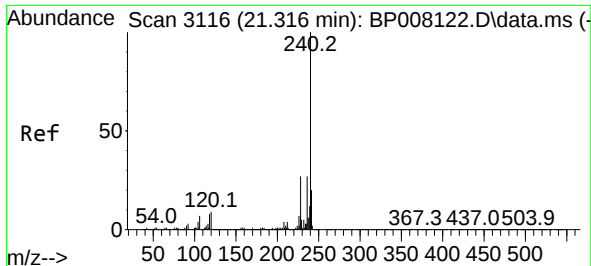
Ion Ratio Lower Upper

202 100

101 9.0 0.0 29.8

203 18.0 0.0 37.7

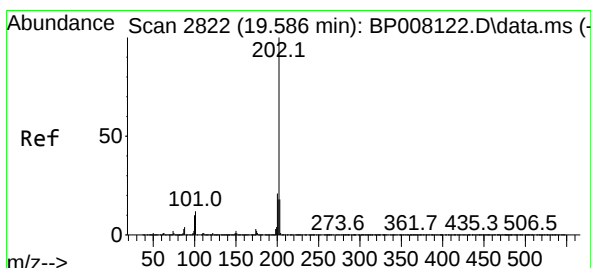
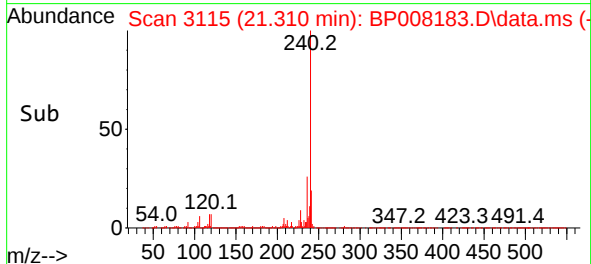
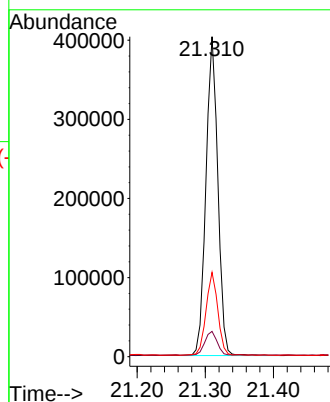
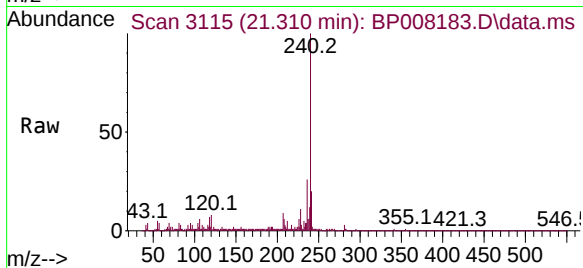




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.310 min Scan# 3116
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

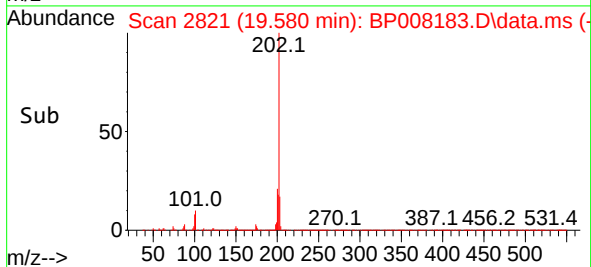
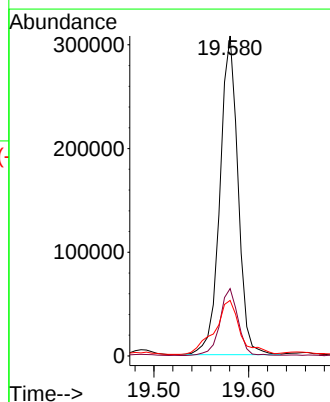
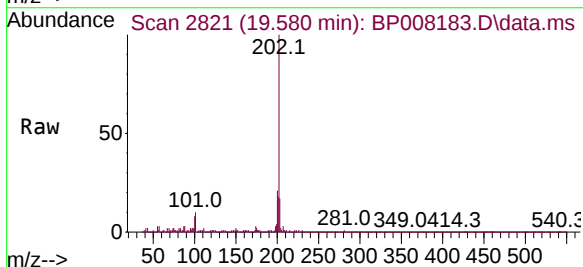
Instrument :
BNA_P
ClientSampleId :
TR-05-113021

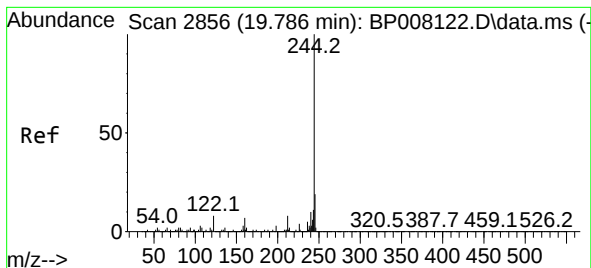
Tgt Ion:240 Resp: 488700
Ion Ratio Lower Upper
240 100
120 7.9 7.3 10.9
236 26.3 21.4 32.2



#78
Pyrene
Concen: 11.298 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:202 Resp: 407400
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 10.937 ng

RT: 19.774 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP008183.D

Acq: 01 Dec 2021 21:00

Instrument :

BNA_P

ClientSampleId :

TR-05-113021

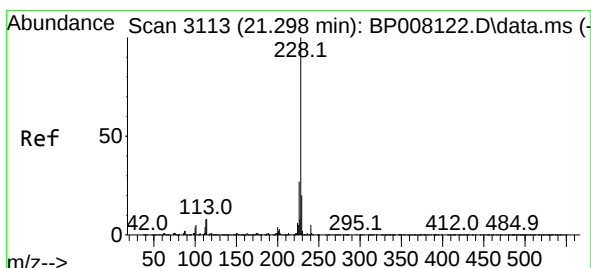
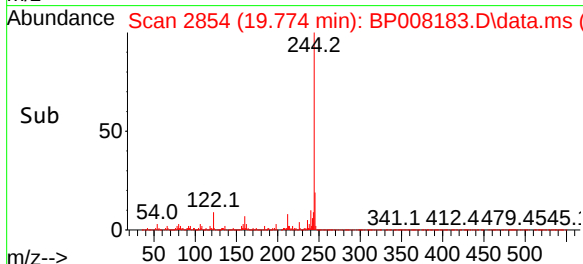
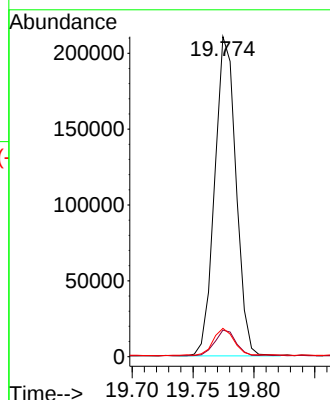
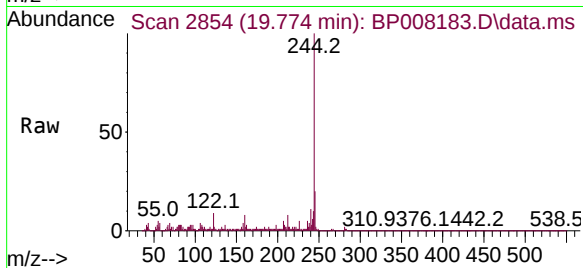
Tgt Ion:244 Resp: 255750

Ion Ratio Lower Upper

244 100

212 8.3 6.0 9.0

122 8.8 6.6 9.8



#81

Benzo(a)anthracene

Concen: 7.895 ng

RT: 21.292 min Scan# 3112

Delta R.T. -0.000 min

Lab File: BP008183.D

Acq: 01 Dec 2021 21:00

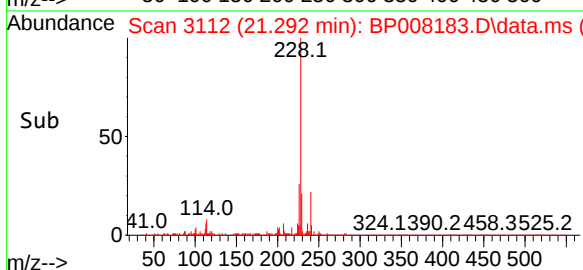
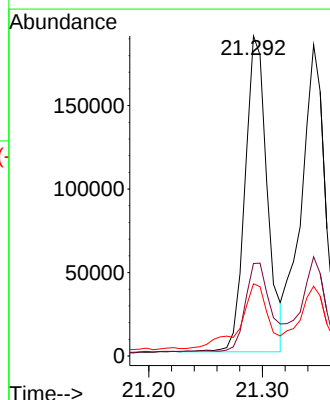
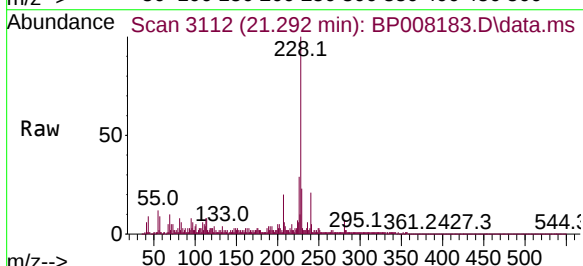
Tgt Ion:228 Resp: 255725

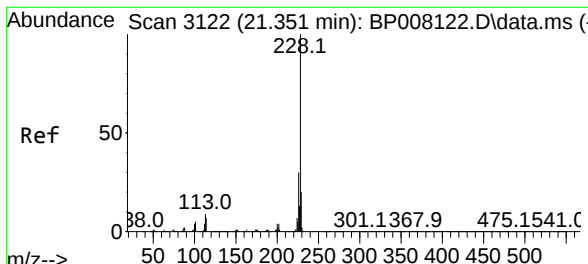
Ion Ratio Lower Upper

228 100

226 28.9 21.9 32.9

229 22.6 15.9 23.9

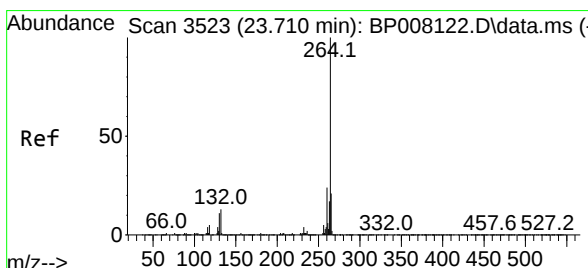
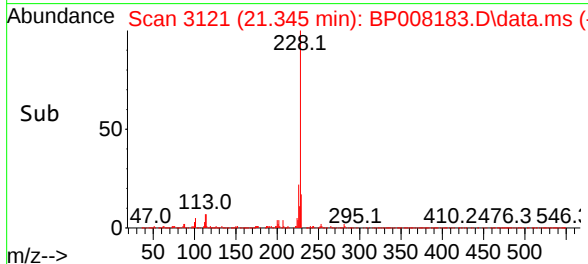
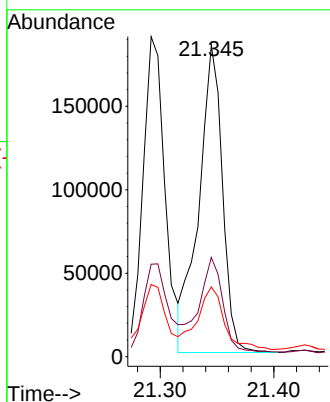
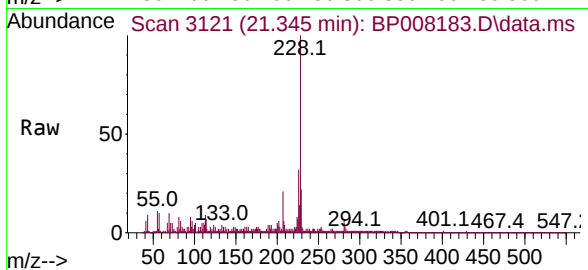




#83
 Chrysene
 Concen: 8.656 ng
 RT: 21.345 min Scan# 3121
 Delta R.T. -0.000 min
 Lab File: BP008183.D
 Acq: 01 Dec 2021 21:00

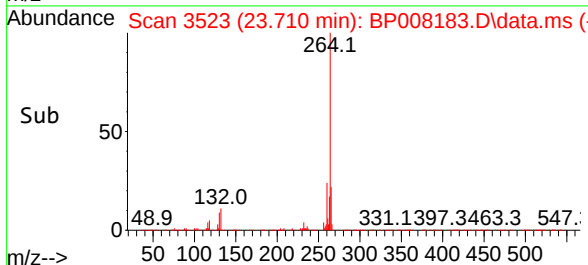
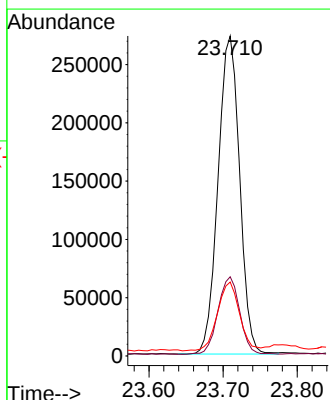
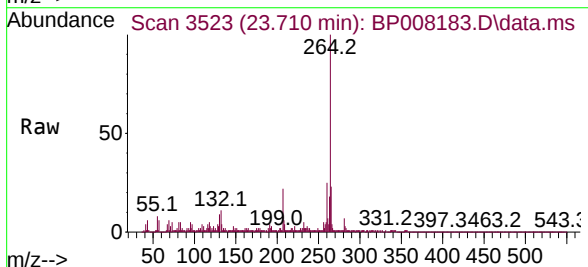
Instrument :
 BNA_P
 ClientSampleId :
 TR-05-113021

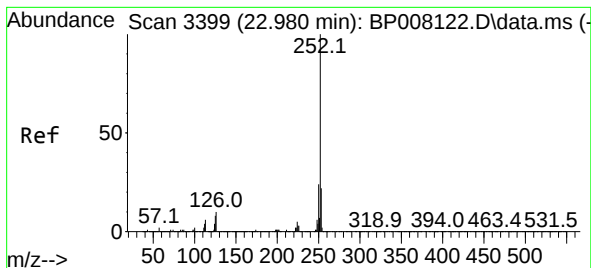
Tgt Ion:	228	Resp:	266785
Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.0	36.0
229	22.4	15.8	23.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.710 min Scan# 3523
 Delta R.T. 0.006 min
 Lab File: BP008183.D
 Acq: 01 Dec 2021 21:00

Tgt Ion:	264	Resp:	551854
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	23.1	17.6	26.4





#88

Benzo(b)fluoranthene

Concen: 16.364 ng

RT: 22.980 min Scan# 3399

Delta R.T. 0.006 min

Lab File: BP008183.D

Acq: 01 Dec 2021 21:00

Instrument :

BNA_P

ClientSampleId :

TR-05-113021

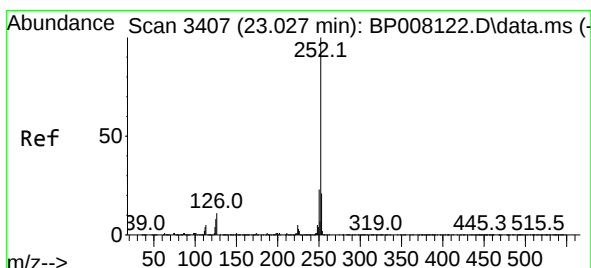
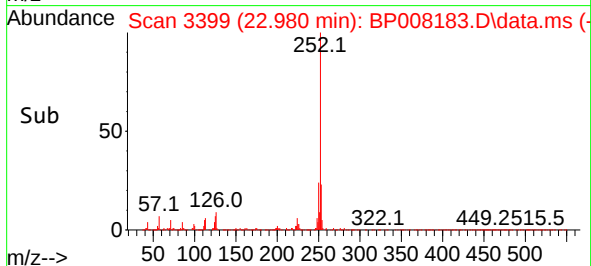
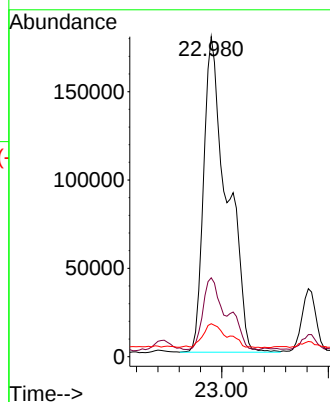
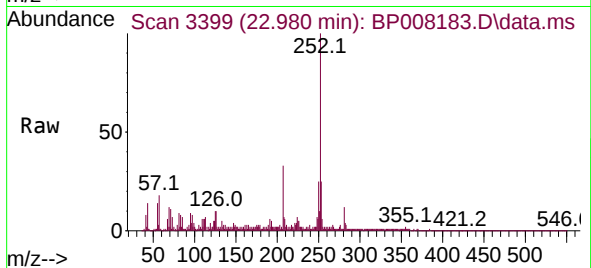
Tgt Ion:252 Resp: 544408

Ion Ratio Lower Upper

252 100

253 24.7 17.7 26.5

125 10.3 6.2 9.4#



#89

Benzo(k)fluoranthene

Concen: 16.715 ng

RT: 22.980 min Scan# 3399

Delta R.T. -0.047 min

Lab File: BP008183.D

Acq: 01 Dec 2021 21:00

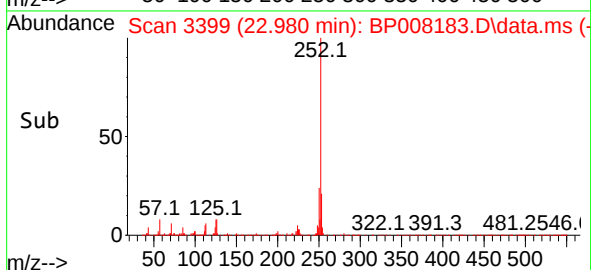
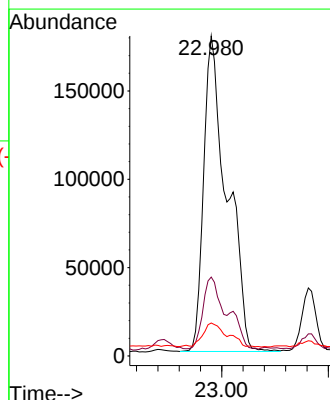
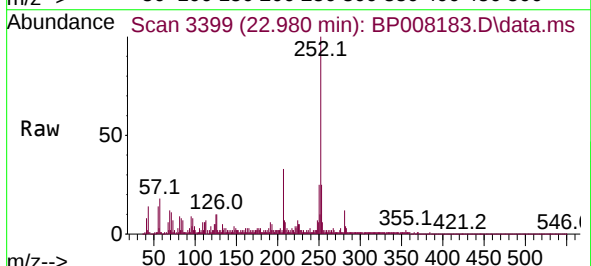
Tgt Ion:252 Resp: 544408

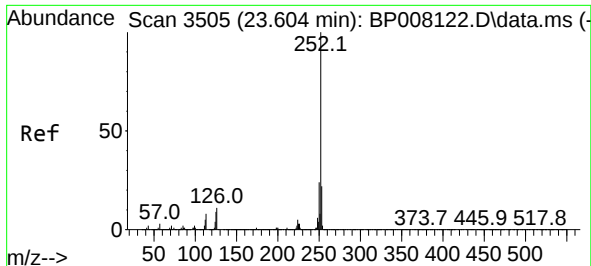
Ion Ratio Lower Upper

252 100

253 24.7 17.3 25.9

125 10.3 6.5 9.7#

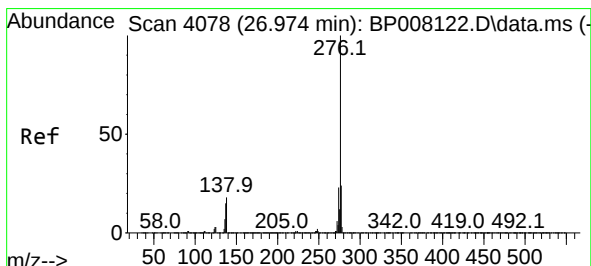
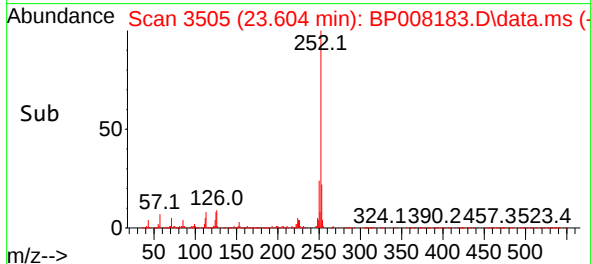
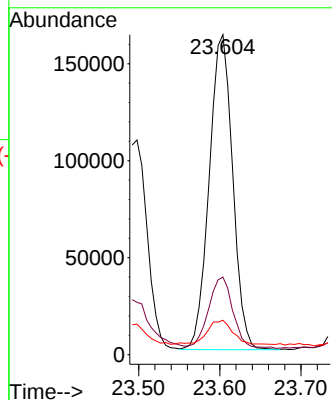
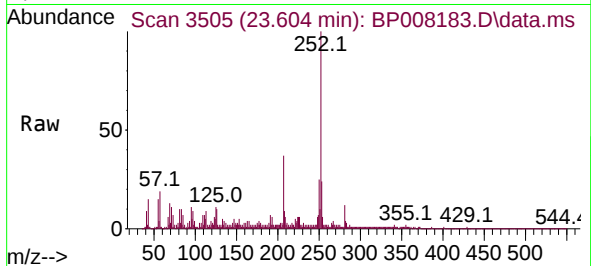




#90
Benzo(a)pyrene
Concen: 11.482 ng
RT: 23.604 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Instrument :
BNA_P
ClientSampleId :
TR-05-113021

Tgt Ion:252 Resp: 326466
Ion Ratio Lower Upper
252 100
253 24.3 17.6 26.4
125 10.7 7.4 11.0



#92
Benzo(g,h,i)perylene
Concen: 7.550 ng
RT: 26.980 min Scan# 4079
Delta R.T. 0.006 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:276 Resp: 253968
Ion Ratio Lower Upper
276 100
277 25.8 20.0 30.0
138 15.6 14.1 21.1

