

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
 Data File : BP011459.D
 Acq On : 17 Aug 2022 13:04
 Operator : CG/JU
 Sample : N4173-06DL 20X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 17 23:26:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 17 01:58:37 2022
 Response via : Initial Calibration

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

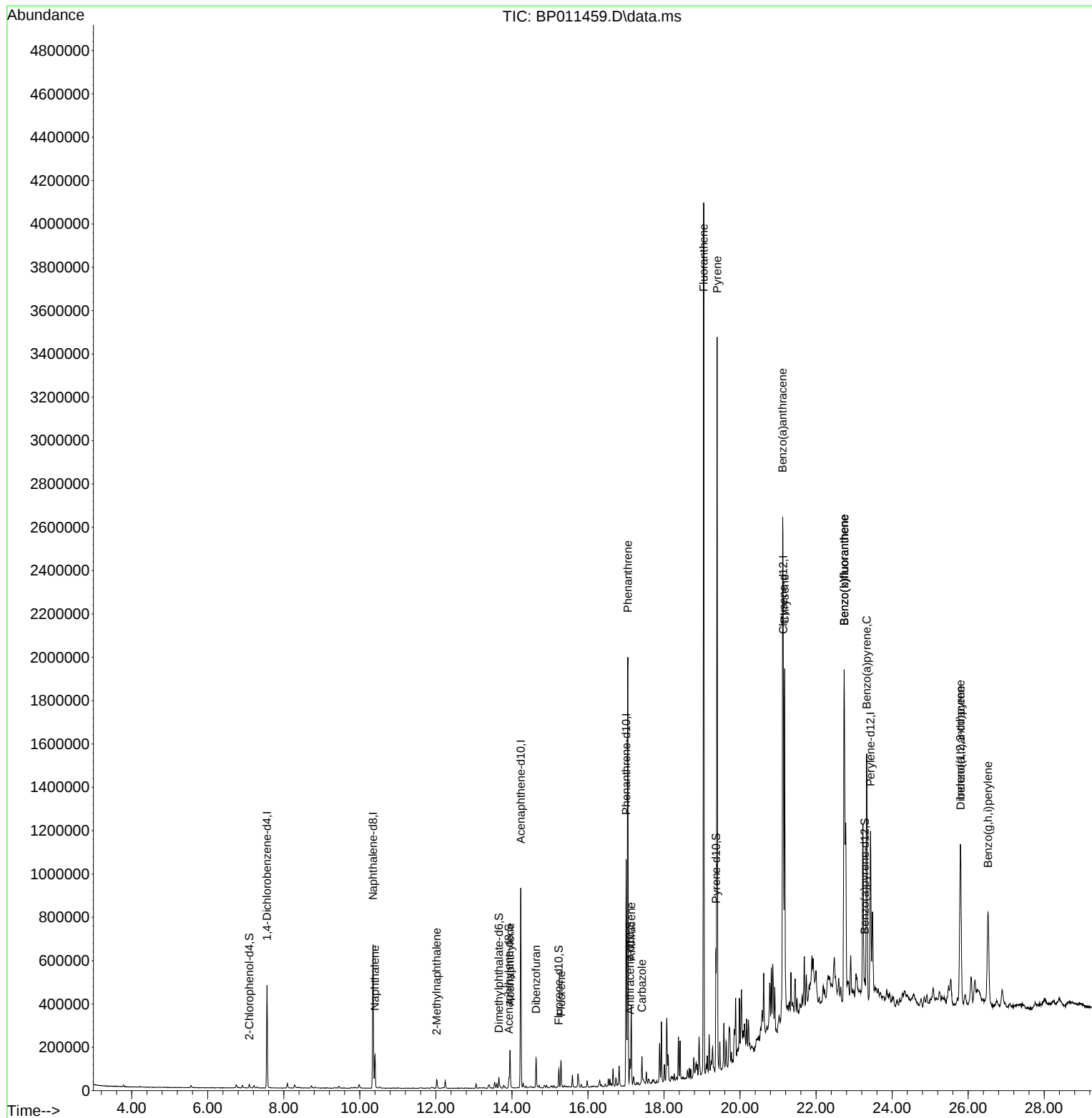
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.557	152	108400	20.000	ng/u1	0.00
20) Naphthalene-d8	10.345	136	485018	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.233	164	276111	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.004	188	532042	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	480367	20.000	ng/u1	0.00
88) Perylene-d12	23.433	264	489055	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.069	96	734	0.210	ng/uL	0.00
4) Pyridine-d5	3.481	84	361	0.040	ng/u1	0.00
7) Phenol-d5	6.745	99	8435	0.847	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.910	67	4884	0.755	ng/u1	0.00
11) 2-Chlorophenol-d4	7.093	132	7430	1.014	ng/u1	0.00
15) 4-Methylphenol-d8	8.292	113	6129	0.769	ng/u1	0.01
21) Nitrobenzene-d5	8.728	128	2535	0.726	ng/u1	0.00
24) 2-Nitrophenol-d4	9.445	143	2833	0.797	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.981	165	5529	0.843	ng/u1	0.00
31) 4-Chloroaniline-d4	10.551	131	164	0.015	ng/u1	0.05
46) Dimethylphthalate-d6	13.657	166	27628	1.415	ng/u1	0.00
49) Acenaphthylene-d8	13.922	160	24801	1.143	ng/u1	0.00
54) 4-Nitrophenol-d4	14.486	143	1759	0.467	ng/u1	0.02
60) Fluorene-d10	15.233	176	25311	1.541	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.374	200	1494	0.520	ng/u1	0.00
73) Anthracene-d10	17.104	188	51413	2.182	ng/u1	0.00
81) Pyrene-d10	19.368	212	61754	2.541	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.280	264	60251	2.533	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.398	128	107000	4.178	ng/u1	99
36) 2-Methylnaphthalene	12.022	142	17311	1.039	ng/u1	92
50) Acenaphthylene	13.951	152	108012	4.189	ng/u1	100
56) Dibenzofuran	14.633	168	69934	2.936	ng/u1	95
61) Fluorene	15.292	166	47940	2.460	ng/u1	97
72) Phenanthrene	17.051	178	1032422	35.851	ng/u1	99
74) Anthracene	17.139	178	201843	6.947	ng/u1	99
77) Carbazole	17.421	167	70245	2.571	ng/u1	98
80) Fluoranthene	19.045	202	2042550	68.339	ng/u1	99
82) Pyrene	19.398	202	1705197	54.297	ng/u1	100
85) Benzo(a)anthracene	21.121	228	916990	31.332	ng/u1	99
87) Chrysene	21.174	228	748423	26.033	ng/u1	98
90) Benzo(b)fluoranthene	22.739	252	1190263	39.126	ng/u1	99
91) Benzo(k)fluoranthene	22.739	252	1190263	41.000	ng/u1	100
93) Benzo(a)pyrene	23.333	252	708793	23.865	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	25.797	276	652144	19.686	ng/u1	97
95) Dibenzo(a,h)anthracene	25.803	278	137908	4.835	ng/u1#	78
96) Benzo(g,h,i)perylene	26.521	276	494817	17.560	ng/u1	99

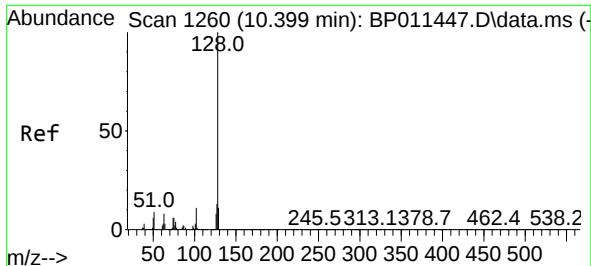
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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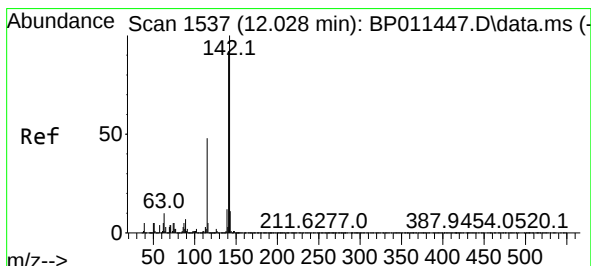
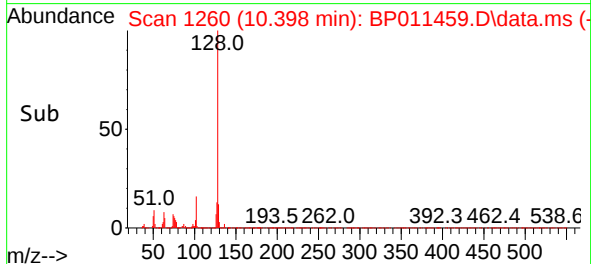
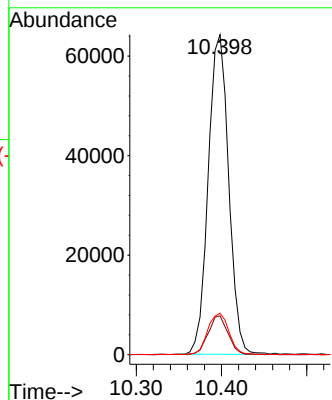
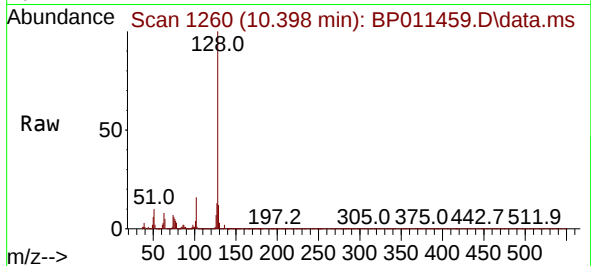




#30
Naphthalene
Concen: 4.178 ng/ul
RT: 10.398 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP011459.D
Acq: 17 Aug 2022 13:04

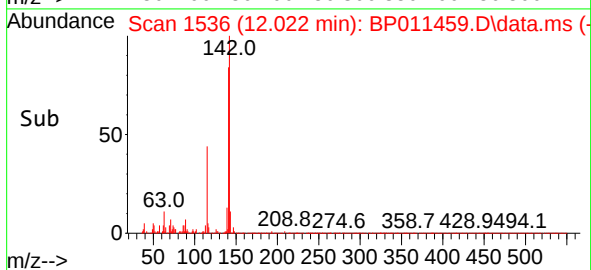
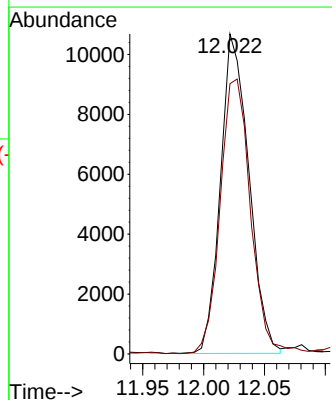
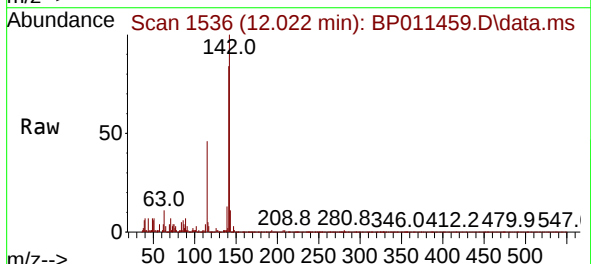
Instrument :
BNA_P
ClientSampleId :

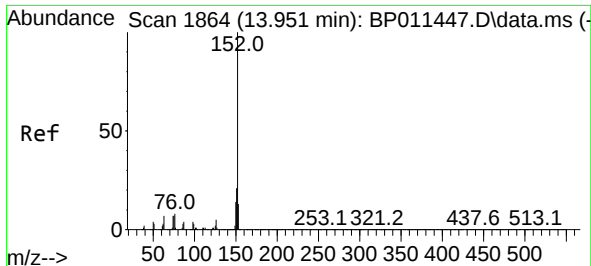
Tgt Ion:128 Resp: 107000
Ion Ratio Lower Upper
128 100
129 12.2 9.0 13.6
127 12.9 10.3 15.5



#36
2-Methylnaphthalene
Concen: 1.039 ng/ul
RT: 12.022 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BP011459.D
Acq: 17 Aug 2022 13:04

Tgt Ion:142 Resp: 17311
Ion Ratio Lower Upper
142 100
141 84.5 73.4 110.0

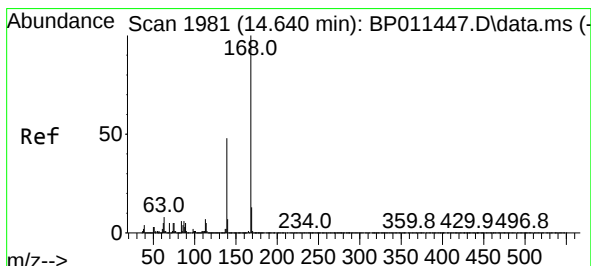
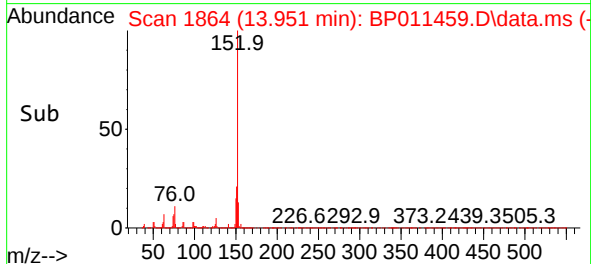
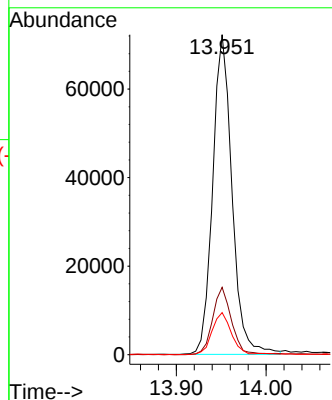
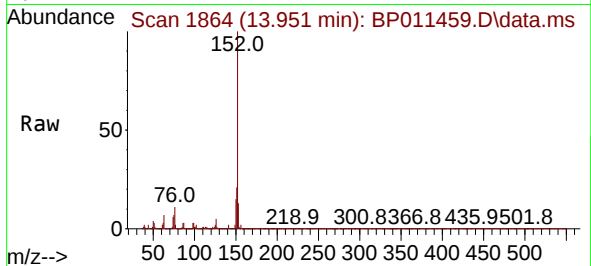




#50
Acenaphthylene
Concen: 4.189 ng/ul
RT: 13.951 min Scan# 1864
Delta R.T. -0.000 min
Lab File: BP011459.D
Acq: 17 Aug 2022 13:04

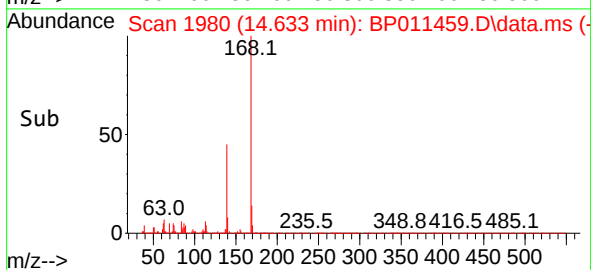
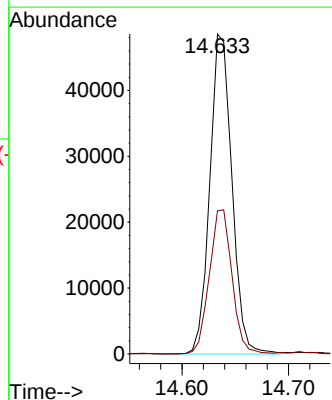
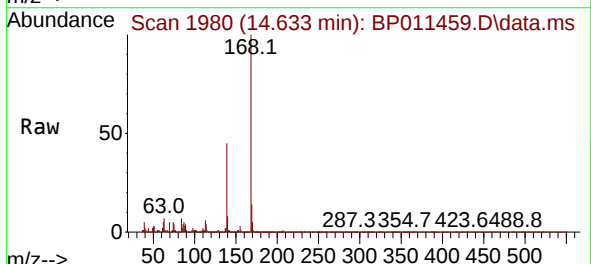
Instrument :
BNA_P
ClientSampleId :

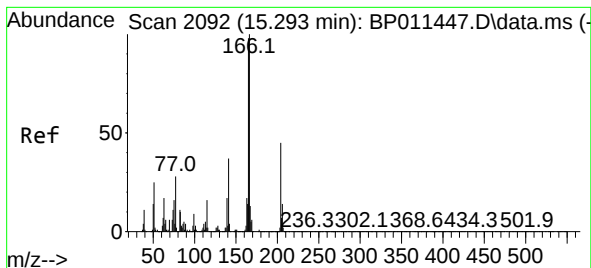
Tgt Ion:152 Resp: 108012
Ion Ratio Lower Upper
152 100
151 21.0 16.9 25.3
153 13.2 10.6 15.8



#56
Dibenzofuran
Concen: 2.936 ng/ul
RT: 14.633 min Scan# 1980
Delta R.T. -0.006 min
Lab File: BP011459.D
Acq: 17 Aug 2022 13:04

Tgt Ion:168 Resp: 69934
Ion Ratio Lower Upper
168 100
139 44.7 38.4 57.6





#61

Fluorene

Concen: 2.460 ng/ul

RT: 15.292 min Scan# 2092

Delta R.T. -0.000 min

Lab File: BP011459.D

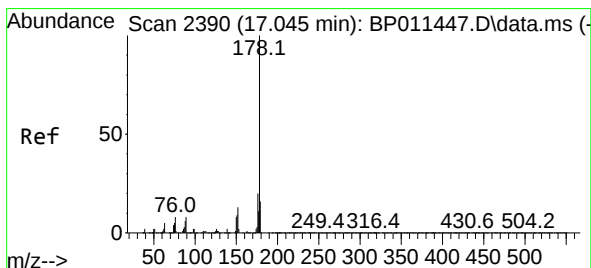
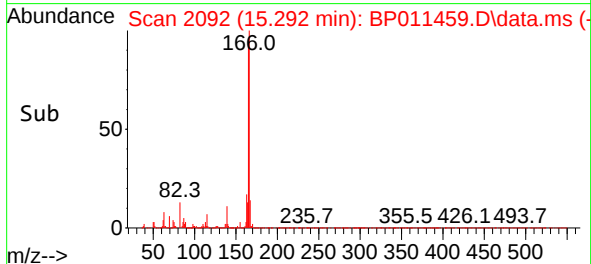
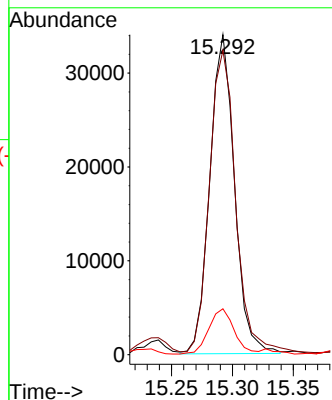
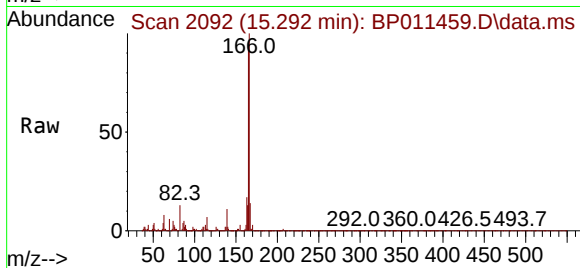
Acq: 17 Aug 2022 13:04

Instrument :

BNA_P

ClientSampleId :

Tgt Ion:	166	Resp:	47940
Ion Ratio	Lower	Upper	
166	100		
165	95.1	78.2	117.2
167	14.4	10.3	15.5



#72

Phenanthrene

Concen: 35.851 ng/ul

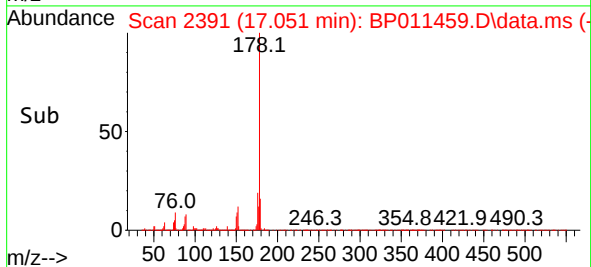
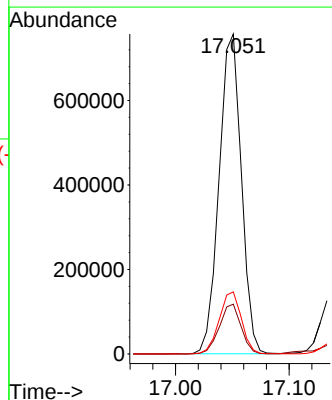
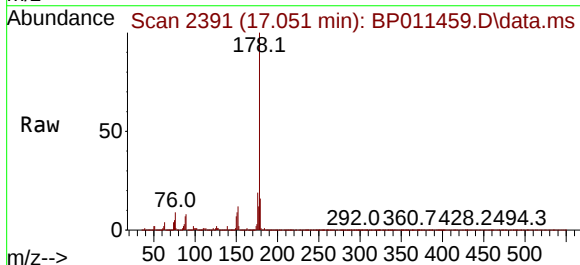
RT: 17.051 min Scan# 2391

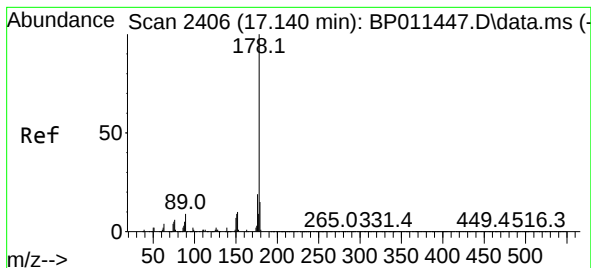
Delta R.T. 0.005 min

Lab File: BP011459.D

Acq: 17 Aug 2022 13:04

Tgt Ion:	178	Resp:	1032422
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.6	18.8
176	19.4	15.8	23.8





#74

Anthracene

Concen: 6.947 ng/ul

RT: 17.139 min Scan# 2406

Delta R.T. -0.000 min

Lab File: BP011459.D

Acq: 17 Aug 2022 13:04

Instrument :

BNA_P

ClientSampleId :

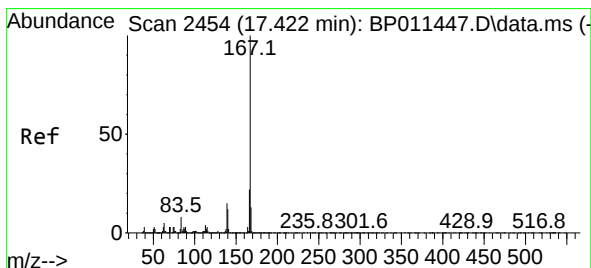
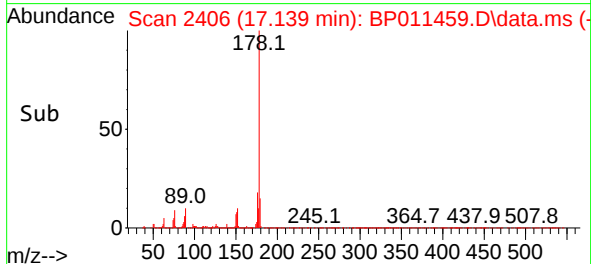
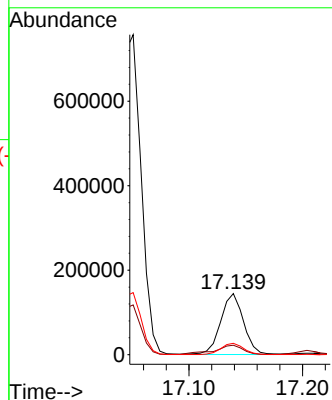
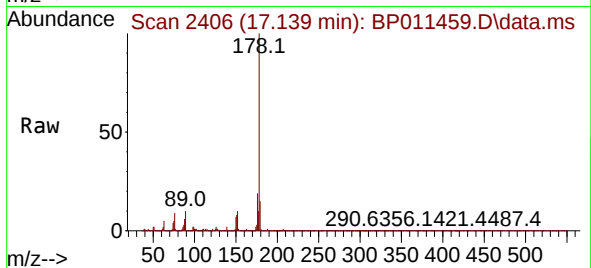
Tgt Ion:178 Resp: 201843

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

176 18.5 15.4 23.0



#77

Carbazole

Concen: 2.571 ng/ul

RT: 17.421 min Scan# 2454

Delta R.T. -0.000 min

Lab File: BP011459.D

Acq: 17 Aug 2022 13:04

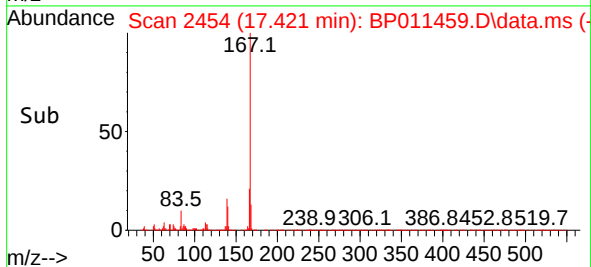
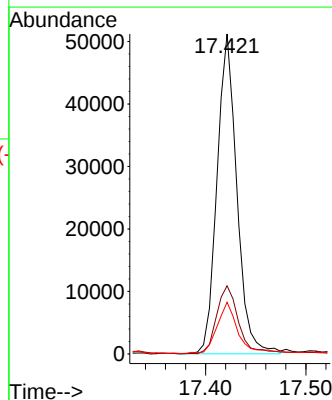
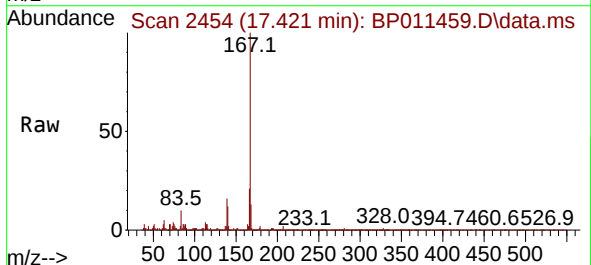
Tgt Ion:167 Resp: 70245

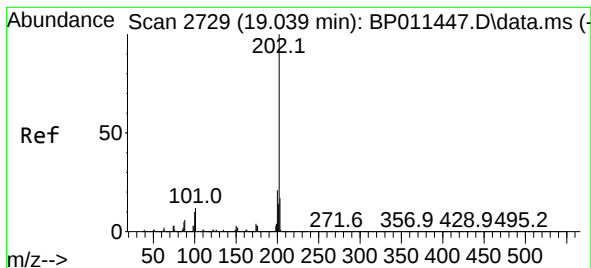
Ion Ratio Lower Upper

167 100

166 21.3 17.5 26.3

139 16.1 12.1 18.1





#80

Fluoranthene

Concen: 68.339 ng/ul

RT: 19.045 min Scan# 21

Delta R.T. 0.005 min

Lab File: BP011459.D

Acq: 17 Aug 2022 13:04

Instrument :

BNA_P

ClientSampleId :

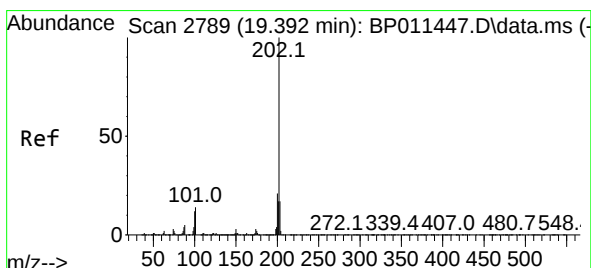
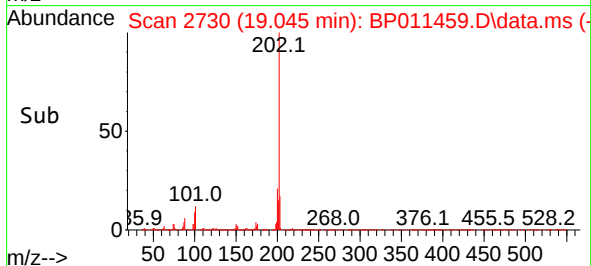
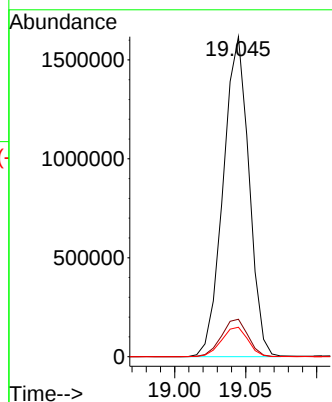
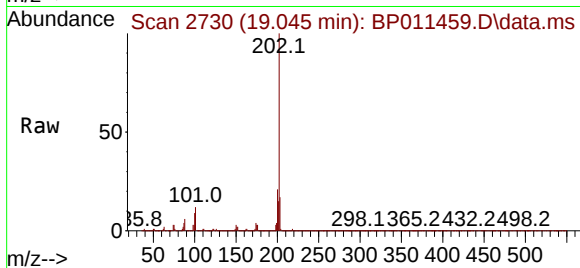
Tgt Ion:202 Resp: 2042550

Ion Ratio Lower Upper

202 100

101 11.7 9.5 14.3

100 9.2 7.9 11.9



#82

Pyrene

Concen: 54.297 ng/ul

RT: 19.398 min Scan# 2790

Delta R.T. 0.005 min

Lab File: BP011459.D

Acq: 17 Aug 2022 13:04

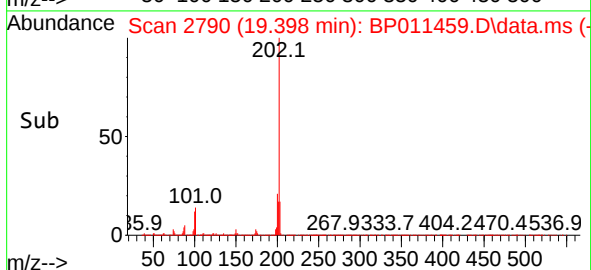
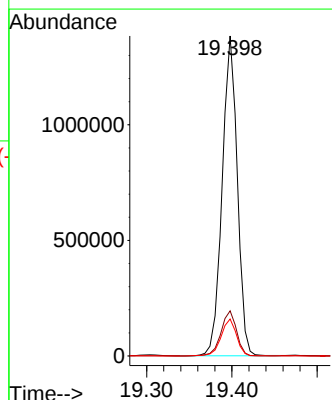
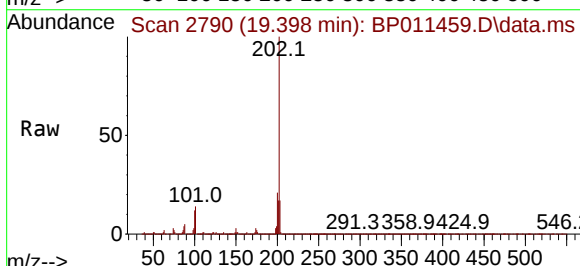
Tgt Ion:202 Resp: 1705197

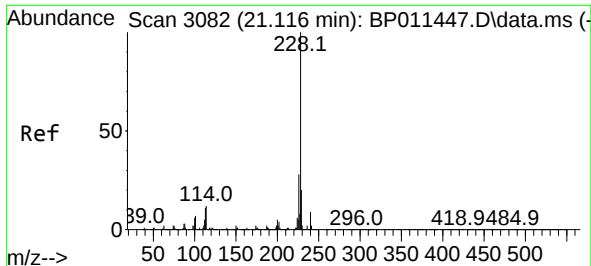
Ion Ratio Lower Upper

202 100

101 14.1 11.4 17.2

100 11.5 9.4 14.0

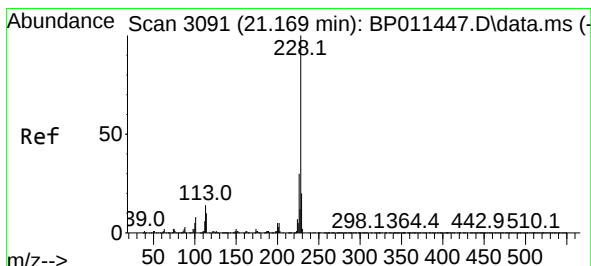
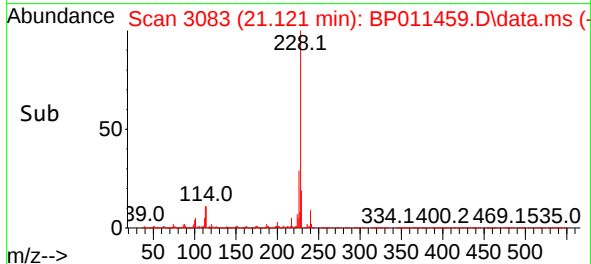
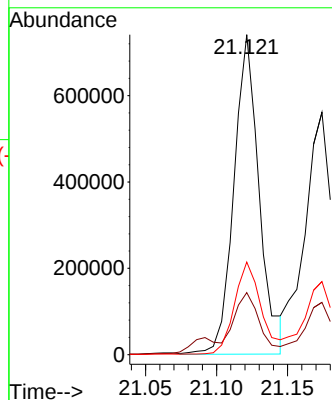
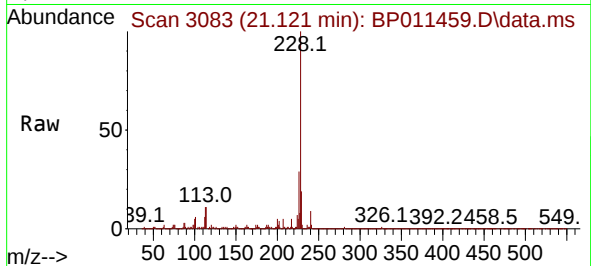




#85
Benzo(a)anthracene
Concen: 31.332 ng/u1
RT: 21.121 min Scan# 3083
Delta R.T. 0.005 min
Lab File: BP011459.D
Acq: 17 Aug 2022 13:04

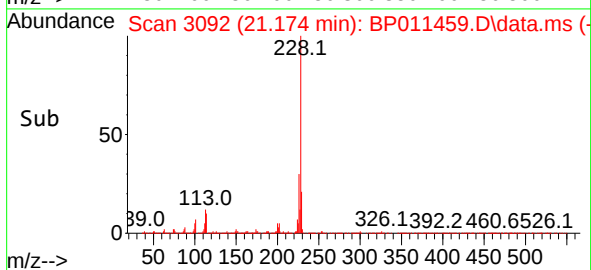
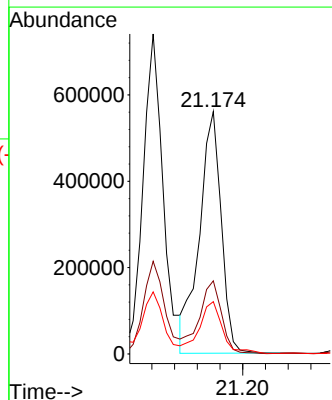
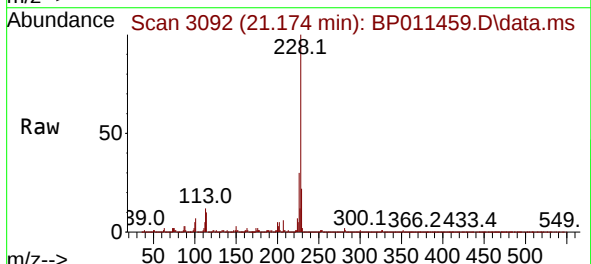
Instrument :
BNA_P
ClientSampleId :

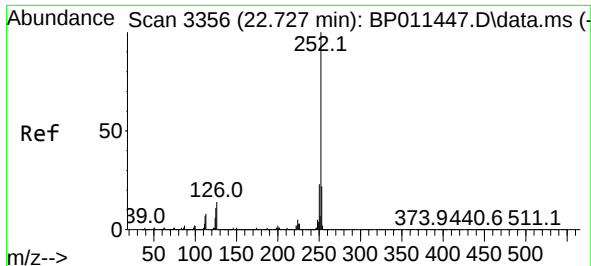
Tgt Ion:228 Resp: 916990
Ion Ratio Lower Upper
228 100
229 19.4 16.0 24.0
226 29.0 22.6 33.8



#87
Chrysene
Concen: 26.033 ng/u1
RT: 21.174 min Scan# 3092
Delta R.T. 0.005 min
Lab File: BP011459.D
Acq: 17 Aug 2022 13:04

Tgt Ion:228 Resp: 748423
Ion Ratio Lower Upper
228 100
226 30.2 23.9 35.9
229 21.6 16.0 24.0

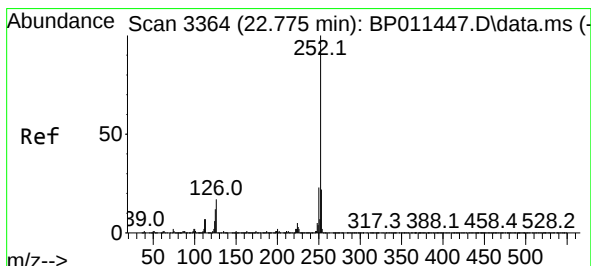
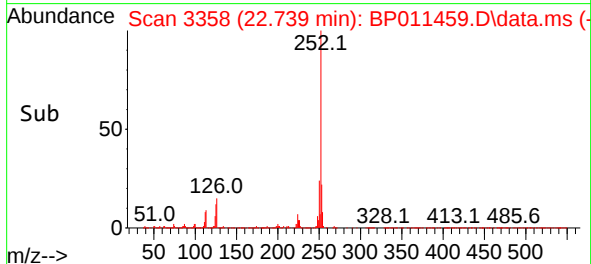
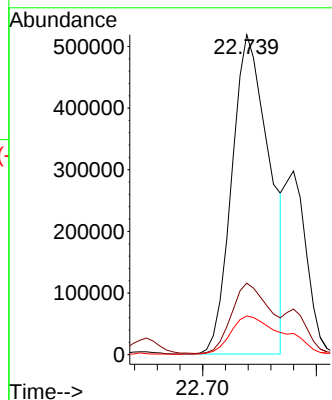
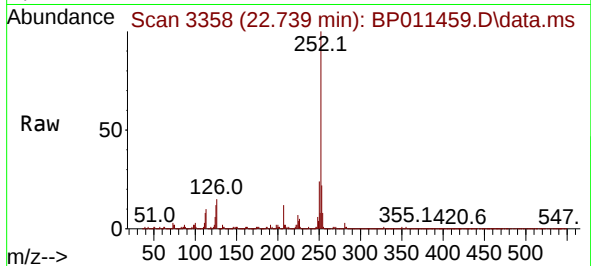




#90
Benzo(b)fluoranthene
Concen: 39.126 ng/ul
RT: 22.739 min Scan# 3356
Delta R.T. 0.011 min
Lab File: BP011459.D
Acq: 17 Aug 2022 13:04

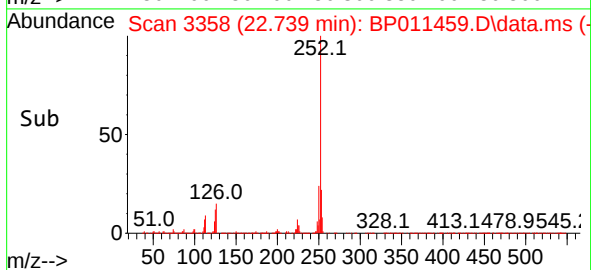
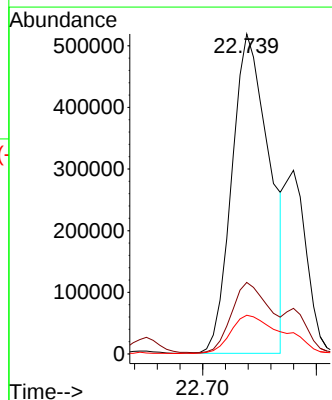
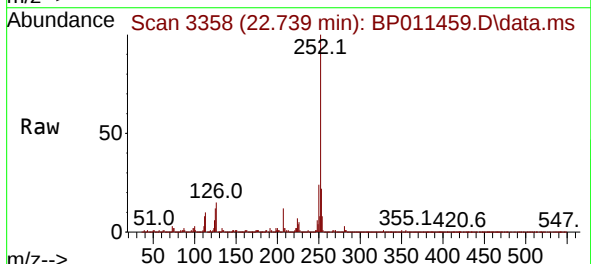
Instrument :
BNA_P
ClientSampleId :

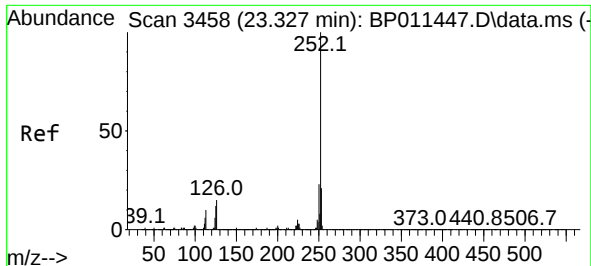
Tgt Ion:252 Resp: 1190263
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 12.1 9.0 13.4



#91
Benzo(k)fluoranthene
Concen: 41.000 ng/ul
RT: 22.739 min Scan# 3358
Delta R.T. -0.036 min
Lab File: BP011459.D
Acq: 17 Aug 2022 13:04

Tgt Ion:252 Resp: 1190263
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 12.1 9.8 14.8

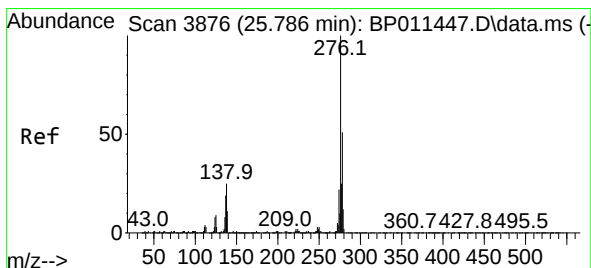
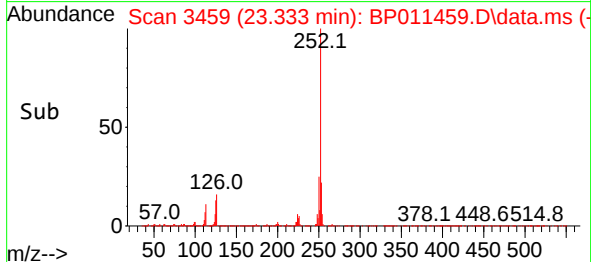
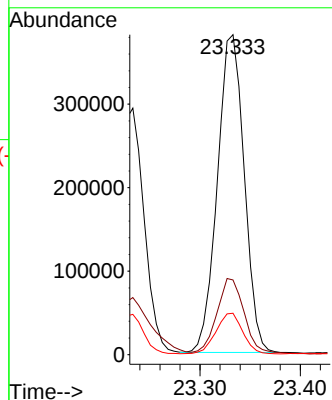
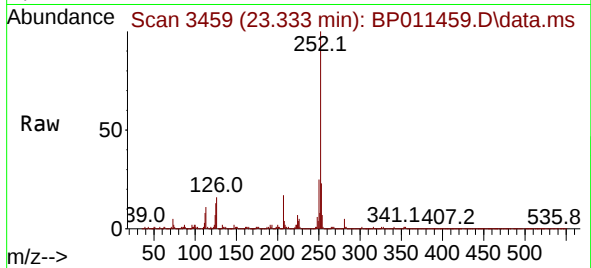




#93
Benzo(a)pyrene
Concen: 23.865 ng/ul
RT: 23.333 min Scan# 3458
Delta R.T. 0.005 min
Lab File: BP011459.D
Acq: 17 Aug 2022 13:04

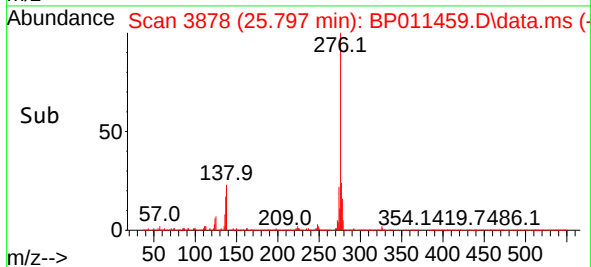
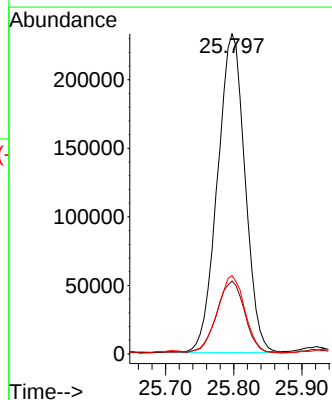
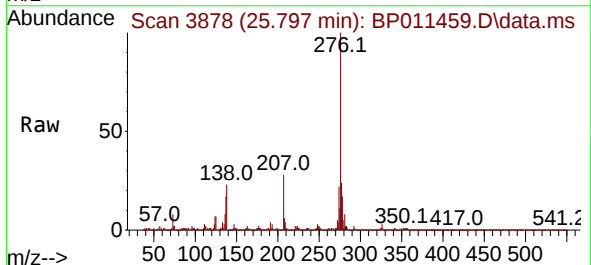
Instrument :
BNA_P
ClientSampleId :

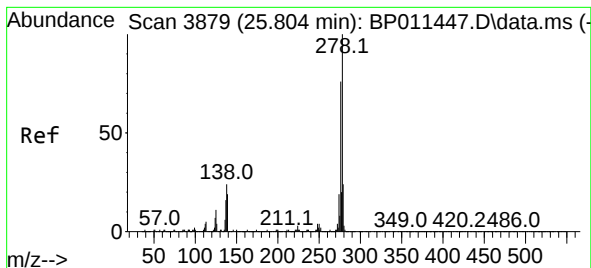
Tgt Ion:252 Resp: 708793
Ion Ratio Lower Upper
252 100
253 23.3 16.8 25.2
125 12.9 9.9 14.9



#94
Indeno(1,2,3-cd)pyrene
Concen: 19.686 ng/ul
RT: 25.797 min Scan# 3878
Delta R.T. 0.011 min
Lab File: BP011459.D
Acq: 17 Aug 2022 13:04

Tgt Ion:276 Resp: 652144
Ion Ratio Lower Upper
276 100
138 22.8 20.2 30.4
277 24.5 20.1 30.1





#95

Dibenzo(a,h)anthracene

Concen: 4.835 ng/ul

RT: 25.803 min Scan# 30

Delta R.T. -0.000 min

Lab File: BP011459.D

Acq: 17 Aug 2022 13:04

Instrument :

BNA_P

ClientSampleId :

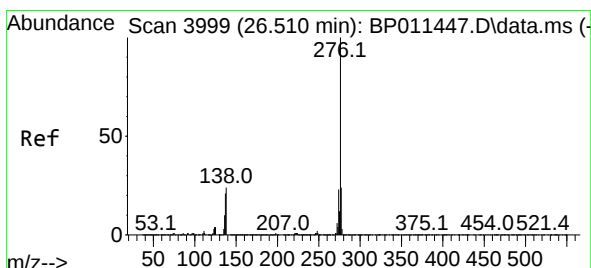
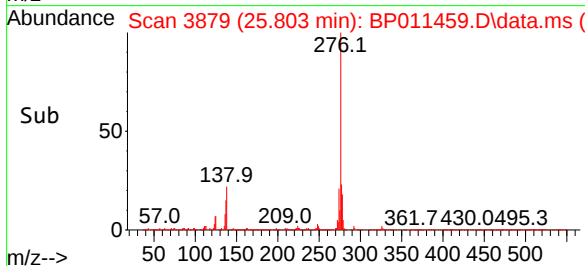
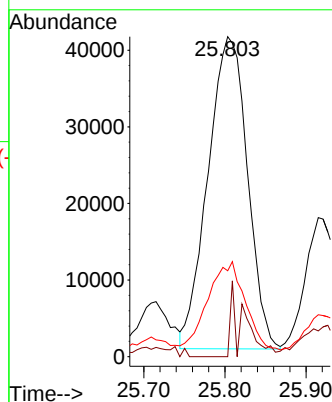
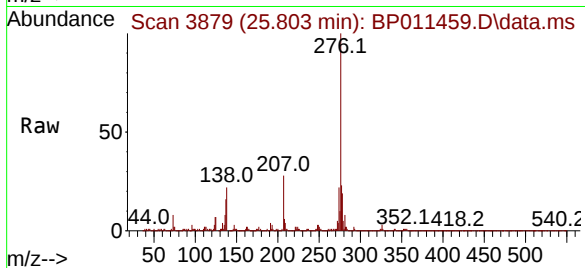
Tgt Ion:278 Resp: 137908

Ion Ratio Lower Upper

278 100

139 0.0 15.4 23.0#

279 26.9 19.3 28.9



#96

Benzo(g,h,i)perylene

Concen: 17.560 ng/ul

RT: 26.521 min Scan# 4001

Delta R.T. 0.011 min

Lab File: BP011459.D

Acq: 17 Aug 2022 13:04

Tgt Ion:276 Resp: 494817

Ion Ratio Lower Upper

276 100

138 25.5 19.4 29.2

277 24.1 19.1 28.7

