

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
 Data File : BP011460.D
 Acq On : 17 Aug 2022 13:39
 Operator : CG/JU
 Sample : N4173-07DL 20X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 17 23:27:09 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)

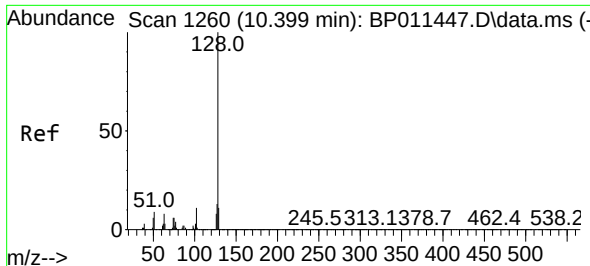
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.558	152	117719	20.000	ng/u1	0.00
20) Naphthalene-d8	10.346	136	531924	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.234	164	299502	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.004	188	583578	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	515221	20.000	ng/u1	0.00
88) Perylene-d12	23.439	264	525994	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.070	96	936	0.247	ng/uL	0.00
4) Pyridine-d5	3.481	84	259	0.027	ng/u1	0.00
7) Phenol-d5	6.746	99	12652	1.170	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.975	67	69	0.010	ng/u1	0.06
11) 2-Chlorophenol-d4	7.093	132	11055	1.389	ng/u1	0.00
15) 4-Methylphenol-d8	8.281	113	10353	1.196	ng/u1	0.00
21) Nitrobenzene-d5	8.722	128	4528	1.182	ng/u1	0.00
24) 2-Nitrophenol-d4	9.446	143	4321	1.109	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.975	165	8958	1.245	ng/u1	0.00
31) 4-Chloroaniline-d4	10.510	131	8659	0.723	ng/u1	0.01
46) Dimethylphthalate-d6	13.657	166	32572	1.538	ng/u1	0.00
49) Acenaphthylene-d8	13.922	160	33717	1.432	ng/u1	0.00
54) 4-Nitrophenol-d4	14.469	143	1099	0.269	ng/u1	0.00
60) Fluorene-d10	15.234	176	27616	1.550	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.375	200	1140	0.362	ng/u1	0.00
73) Anthracene-d10	17.004	188	583578	22.579	ng/u1	-0.10
81) Pyrene-d10	19.369	212	43729	1.678	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.286	264	40647	1.589	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.399	128	243809	8.681	ng/u1	98
36) 2-Methylnaphthalene	12.022	142	76584	4.191	ng/u1	98
37) 1-Methylnaphthalene	12.246	142	66510	3.589	ng/u1	98
43) 1,1'-Biphenyl	13.057	154	29832	1.337	ng/u1	99
50) Acenaphthylene	13.951	152	284961	10.188	ng/u1	99
52) Acenaphthene	14.298	153	86035	4.592	ng/u1	97
56) Dibenzofuran	14.634	168	165253	6.397	ng/u1	99
61) Fluorene	15.293	166	165953	7.852	ng/u1	99
72) Phenanthrene	17.051	178	3881742	122.890	ng/u1	100
74) Anthracene	17.139	178	545291	17.111	ng/u1	99
77) Carbazole	17.422	167	322593	10.762	ng/u1	100
80) Fluoranthene	19.051	202	5156809	160.863	ng/u1	97
82) Pyrene	19.404	202	4703650	139.643	ng/u1	98
85) Benzo(a)anthracene	21.128	228	1727754	55.042	ng/u1	97
87) Chrysene	21.175	228	1826734	59.241	ng/u1	98
90) Benzo(b)fluoranthene	22.745	252	2353111	71.919	ng/u1	98
91) Benzo(k)fluoranthene	22.745	252	2353111	75.363	ng/u1	99
93) Benzo(a)pyrene	23.339	252	1706837	53.432	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	25.810	276	1209024	33.933	ng/u1	97
95) Dibenzo(a,h)anthracene	25.927	278	83866	2.734	ng/u1	93
96) Benzo(g,h,i)perylene	26.539	276	1015123	33.494	ng/u1	99

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

Instrument :
BNA_P
ClientSampleId :

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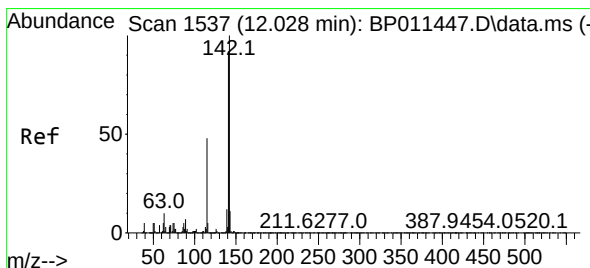
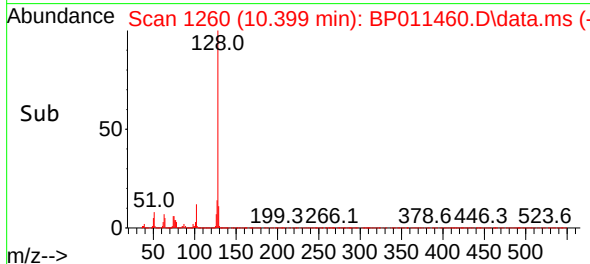
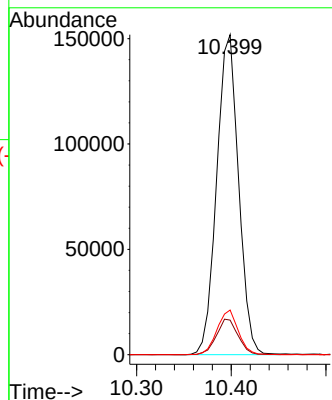
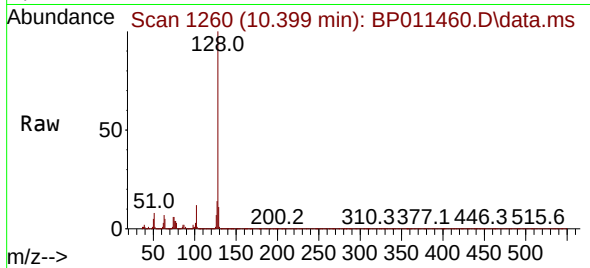




#30
Naphthalene
Concen: 8.681 ng/ul
RT: 10.399 min Scan# 1260
Delta R.T. -0.000 min
Lab File: BP011460.D
Acq: 17 Aug 2022 13:39

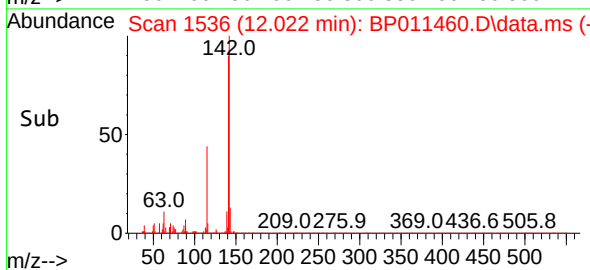
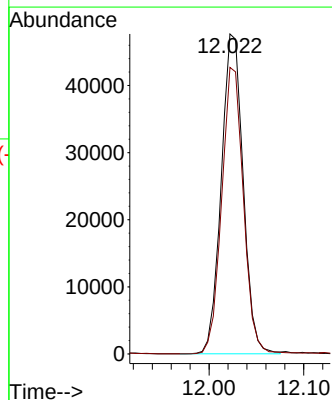
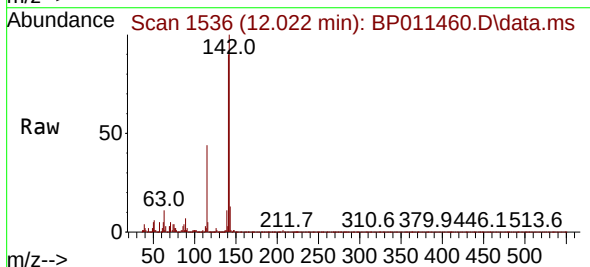
Instrument :
BNA_P
ClientSampleId :

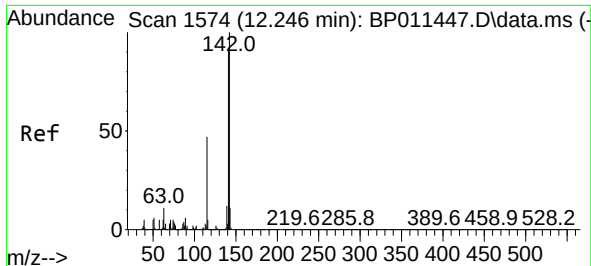
Tgt Ion:128 Resp: 243809
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 13.9 10.3 15.5



#36
2-Methylnaphthalene
Concen: 4.191 ng/ul
RT: 12.022 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BP011460.D
Acq: 17 Aug 2022 13:39

Tgt Ion:142 Resp: 76584
Ion Ratio Lower Upper
142 100
141 89.5 73.4 110.0

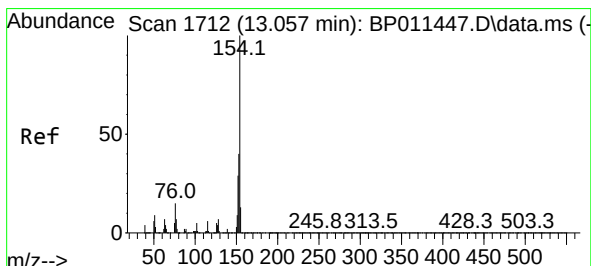
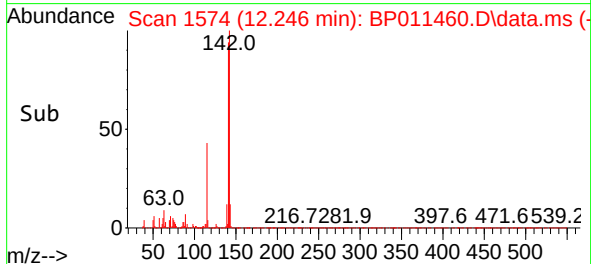
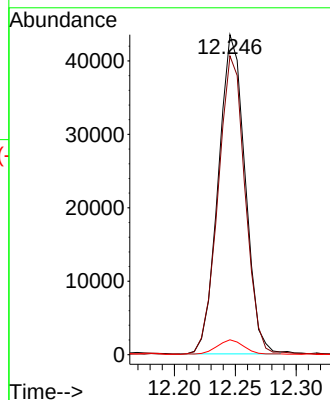
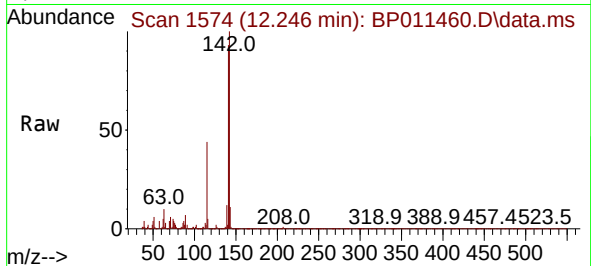




#37
1-Methylnaphthalene
Concen: 3.589 ng/ul
RT: 12.246 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BP011460.D
Acq: 17 Aug 2022 13:39

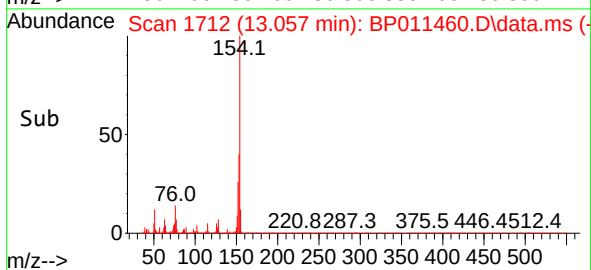
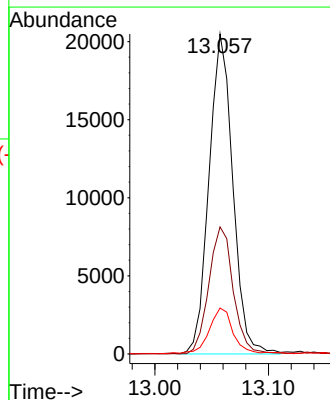
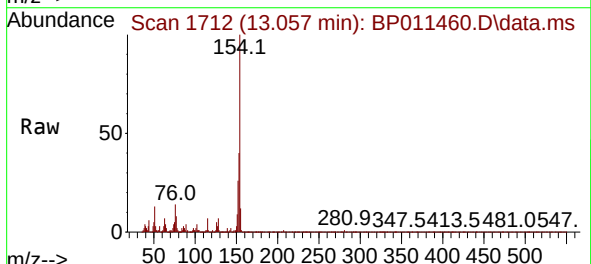
Instrument :
BNA_P
ClientSampleId :

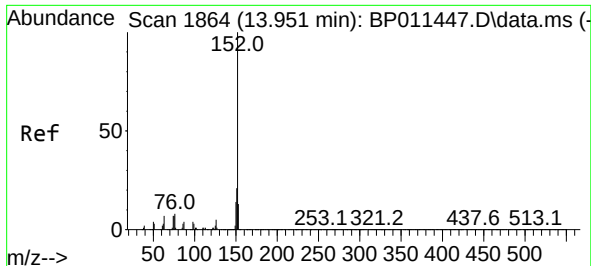
Tgt Ion:142 Resp: 66510
Ion Ratio Lower Upper
142 100
141 93.4 73.0 109.6
116 4.7 4.0 6.0



#43
1,1'-Biphenyl
Concen: 1.337 ng/ul
RT: 13.057 min Scan# 1712
Delta R.T. -0.000 min
Lab File: BP011460.D
Acq: 17 Aug 2022 13:39

Tgt Ion:154 Resp: 29832
Ion Ratio Lower Upper
154 100
153 39.7 32.2 48.4
76 14.4 11.6 17.4

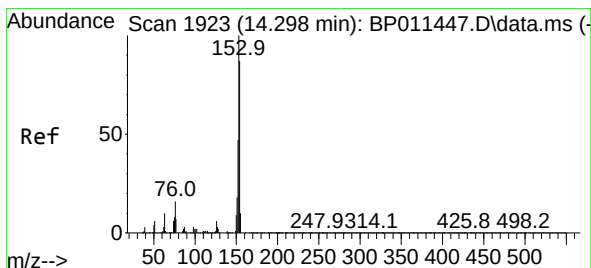
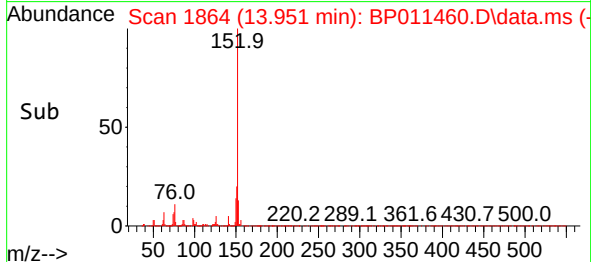
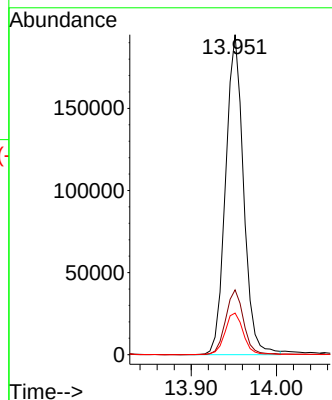
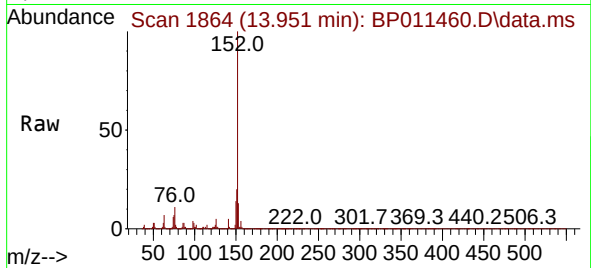




#50
Acenaphthylene
Concen: 10.188 ng/ul
RT: 13.951 min Scan# 1864
Delta R.T. -0.000 min
Lab File: BP011460.D
Acq: 17 Aug 2022 13:39

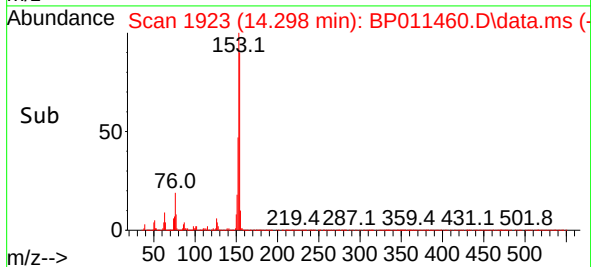
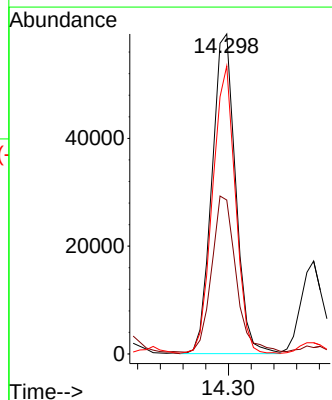
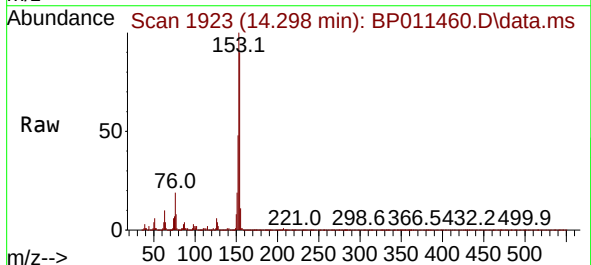
Instrument :
BNA_P
ClientSampleId :

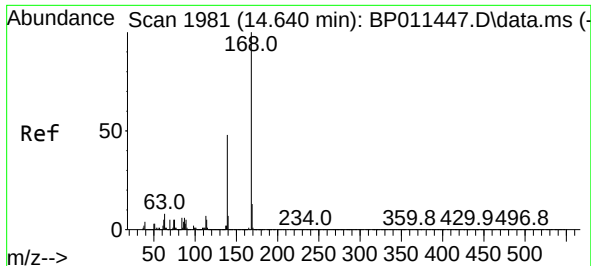
Tgt Ion:152 Resp: 284961
Ion Ratio Lower Upper
152 100
151 20.2 16.9 25.3
153 13.0 10.6 15.8



#52
Acenaphthene
Concen: 4.592 ng/ul
RT: 14.298 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BP011460.D
Acq: 17 Aug 2022 13:39

Tgt Ion:153 Resp: 86035
Ion Ratio Lower Upper
153 100
152 48.1 37.7 56.5
154 90.0 69.4 104.0

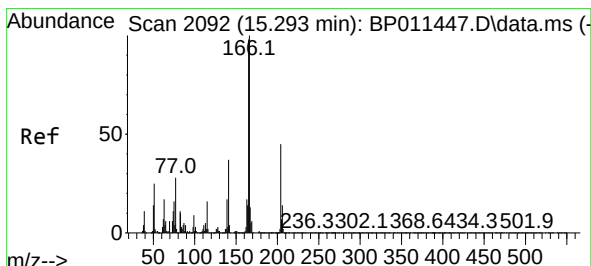
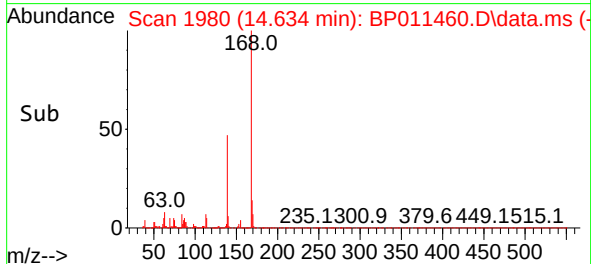
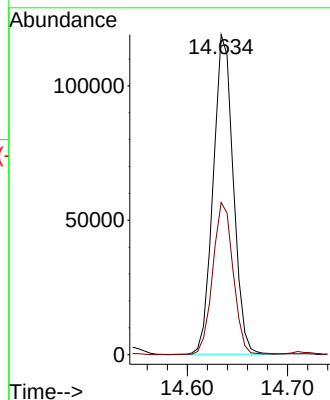
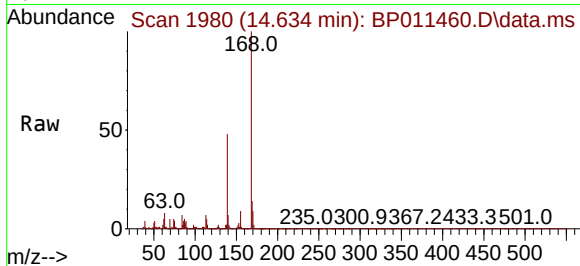




#56
Dibenzofuran
Concen: 6.397 ng/ul
RT: 14.634 min Scan# 1980
Delta R.T. -0.006 min
Lab File: BP011460.D
Acq: 17 Aug 2022 13:39

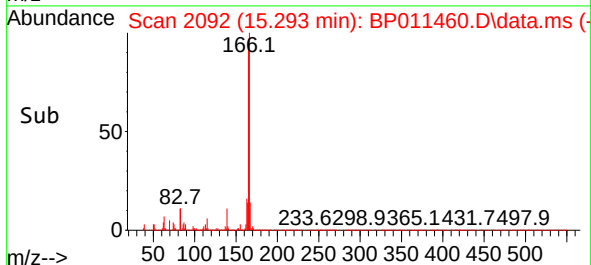
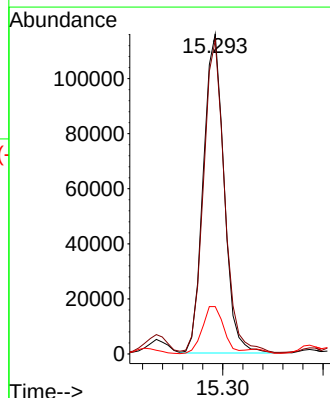
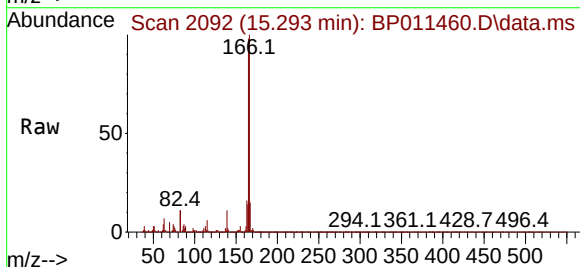
Instrument :
BNA_P
ClientSampleId :

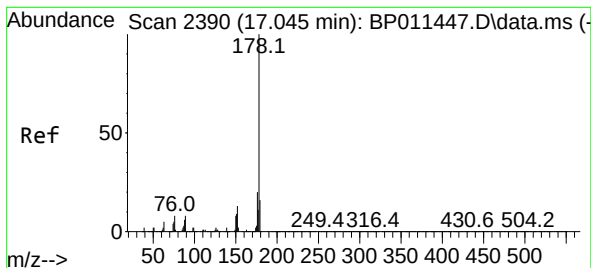
Tgt Ion:168 Resp: 165253
Ion Ratio Lower Upper
168 100
139 47.6 38.4 57.6



#61
Fluorene
Concen: 7.852 ng/ul
RT: 15.293 min Scan# 2092
Delta R.T. -0.000 min
Lab File: BP011460.D
Acq: 17 Aug 2022 13:39

Tgt Ion:166 Resp: 165953
Ion Ratio Lower Upper
166 100
165 98.1 78.2 117.2
167 14.8 10.3 15.5





#72

Phenanthrene

Concen: 122.890 ng/ul

RT: 17.051 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP011460.D

Acq: 17 Aug 2022 13:39

Instrument :

BNA_P

ClientSampleId :

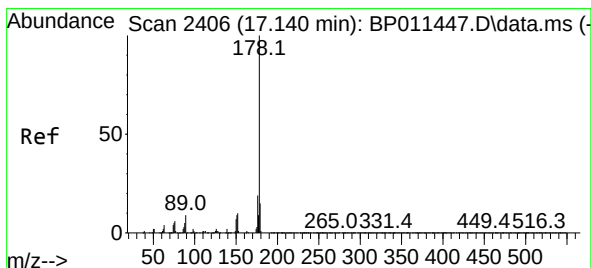
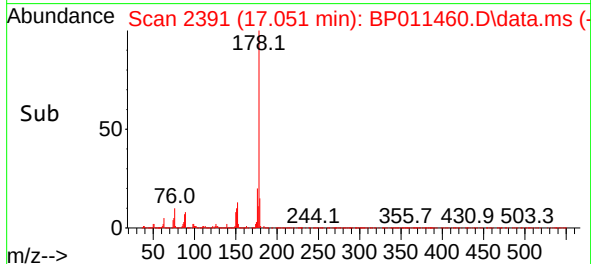
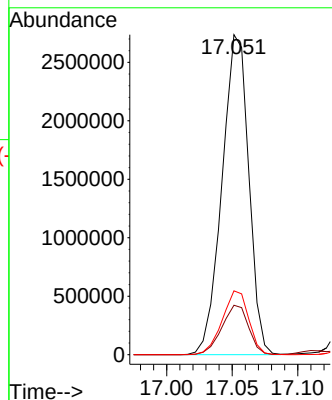
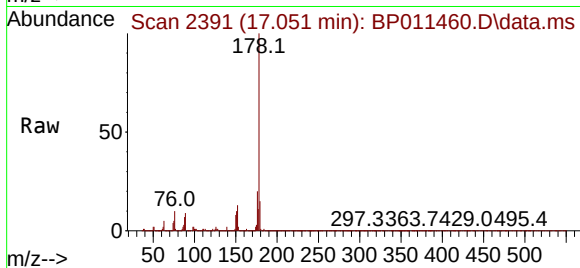
Tgt Ion:178 Resp: 3881742

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

176 20.0 15.8 23.8



#74

Anthracene

Concen: 17.111 ng/ul

RT: 17.139 min Scan# 2406

Delta R.T. -0.000 min

Lab File: BP011460.D

Acq: 17 Aug 2022 13:39

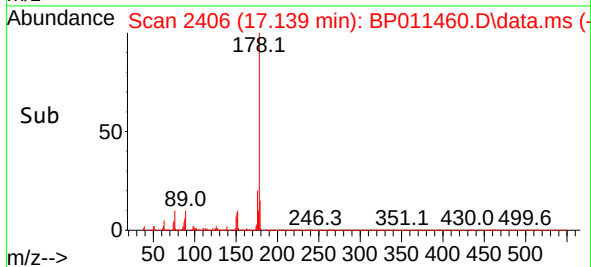
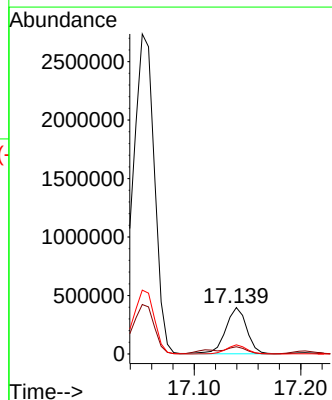
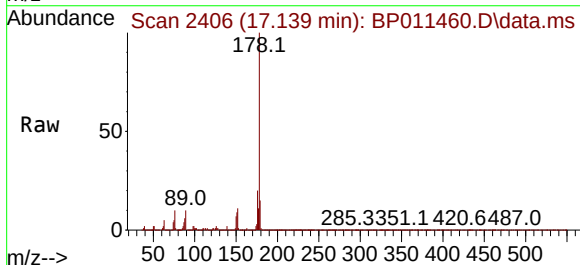
Tgt Ion:178 Resp: 545291

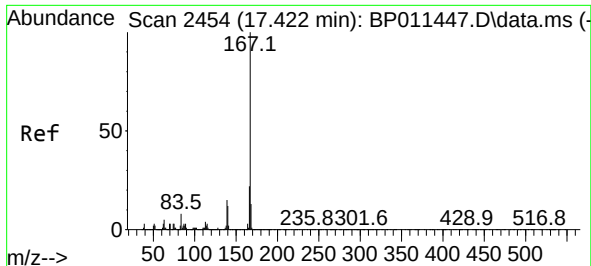
Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

176 19.5 15.4 23.0

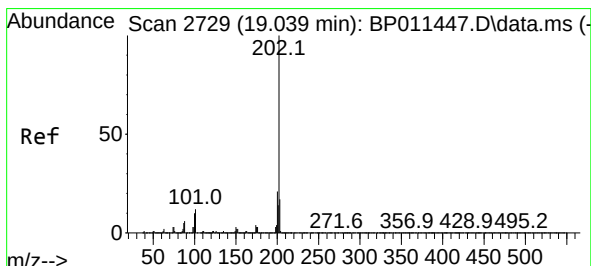
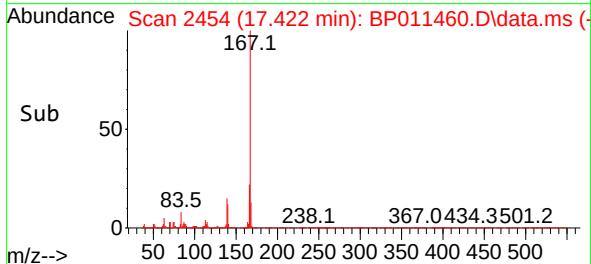
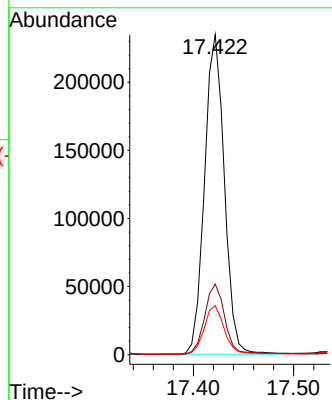
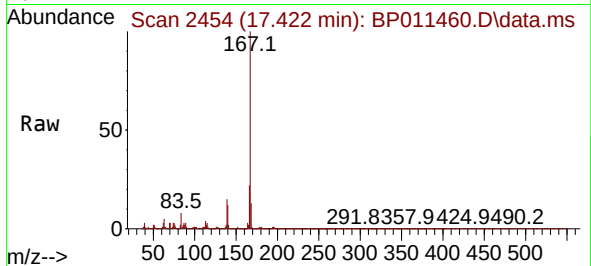




#77
 Carbazole
 Concen: 10.762 ng/ul
 RT: 17.422 min Scan# 2454
 Delta R.T. -0.000 min
 Lab File: BP011460.D
 Acq: 17 Aug 2022 13:39

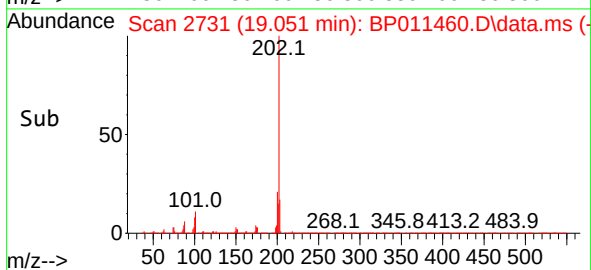
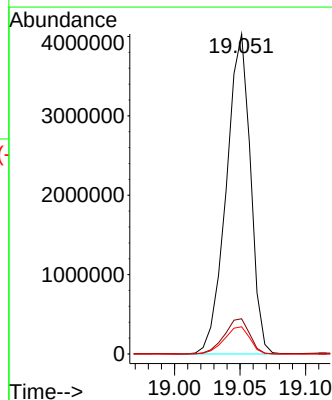
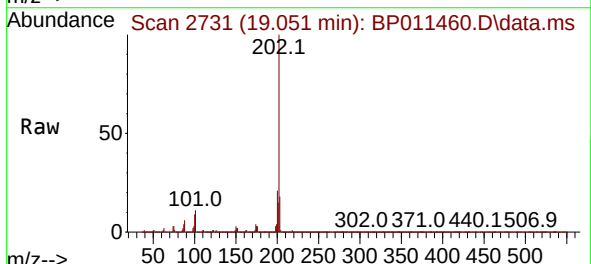
Instrument :
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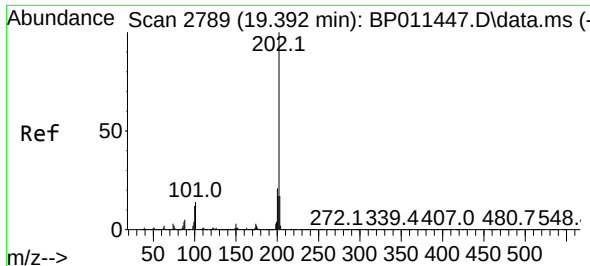
Tgt Ion:167 Resp: 322593
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.5 26.3
 139 15.3 12.1 18.1



#80
 Fluoranthene
 Concen: 160.863 ng/ul
 RT: 19.051 min Scan# 2731
 Delta R.T. 0.012 min
 Lab File: BP011460.D
 Acq: 17 Aug 2022 13:39

Tgt Ion:202 Resp: 5156809
 Ion Ratio Lower Upper
 202 100
 101 11.0 9.5 14.3
 100 8.5 7.9 11.9

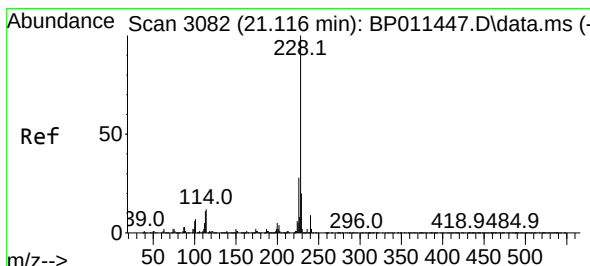
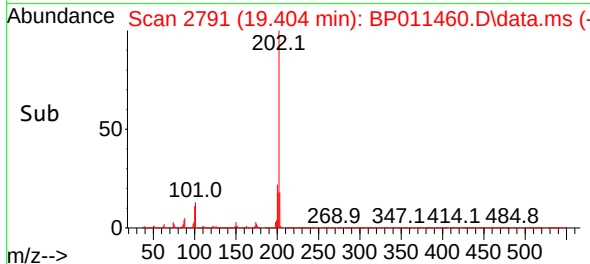
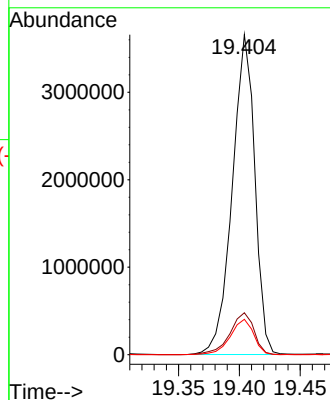
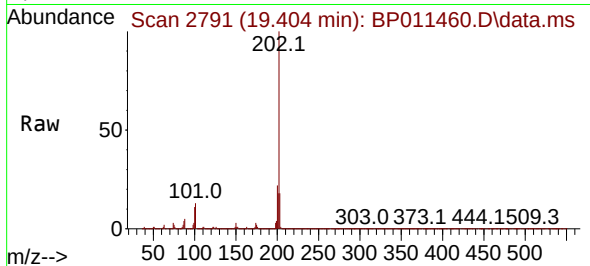




#82
 Pyrene
 Concen: 139.643 ng/ul
 RT: 19.404 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BP011460.D
 Acq: 17 Aug 2022 13:39

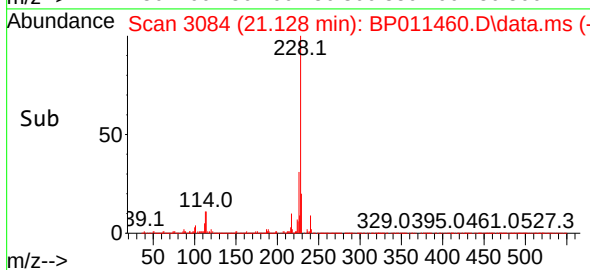
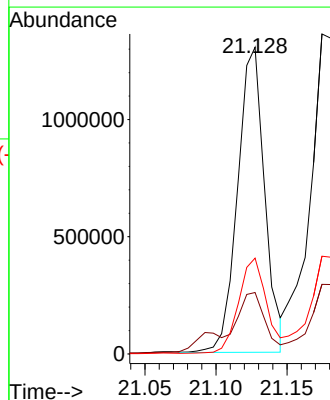
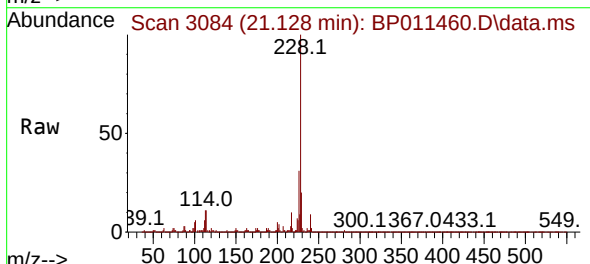
Instrument :
 BNA_P
 ClientSampleId :

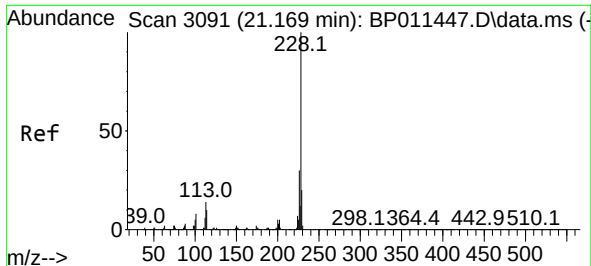
Tgt Ion:202 Resp: 4703650
 Ion Ratio Lower Upper
 202 100
 101 13.1 11.4 17.2
 100 11.1 9.4 14.0



#85
 Benzo(a)anthracene
 Concen: 55.042 ng/ul
 RT: 21.128 min Scan# 3084
 Delta R.T. 0.012 min
 Lab File: BP011460.D
 Acq: 17 Aug 2022 13:39

Tgt Ion:228 Resp: 1727754
 Ion Ratio Lower Upper
 228 100
 229 20.0 16.0 24.0
 226 31.3 22.6 33.8

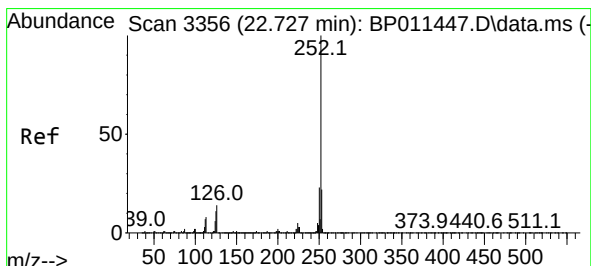
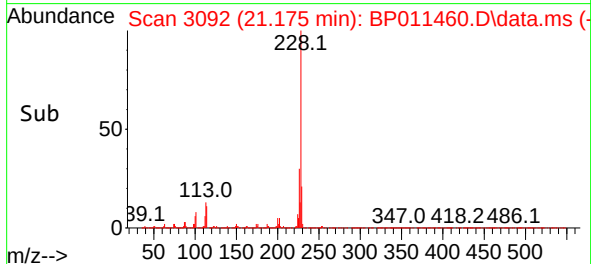
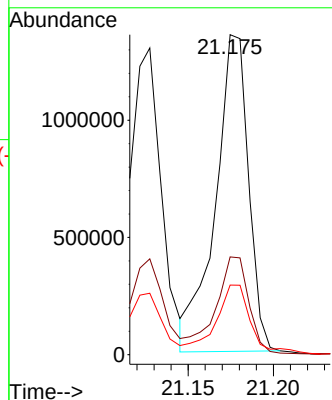
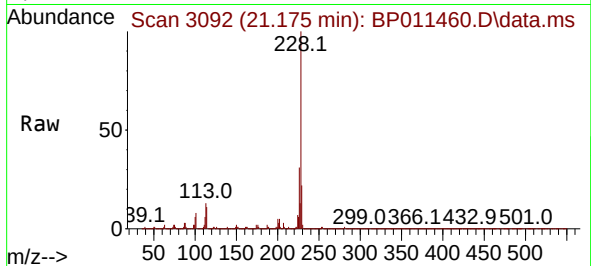




#87
Chrysene
Concen: 59.241 ng/ul
RT: 21.175 min Scan# 3091
Delta R.T. 0.006 min
Lab File: BP011460.D
Acq: 17 Aug 2022 13:39

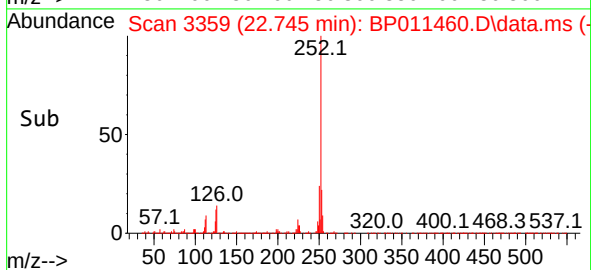
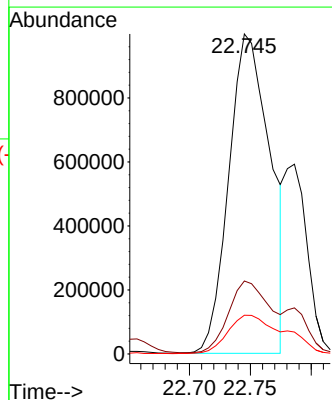
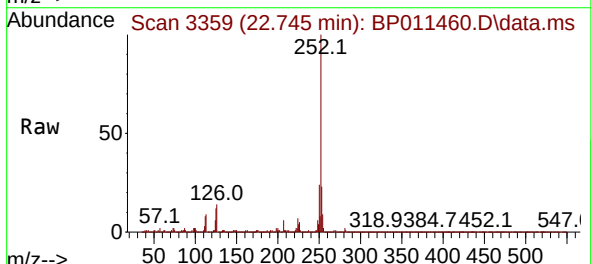
Instrument :
BNA_P
ClientSampleId :

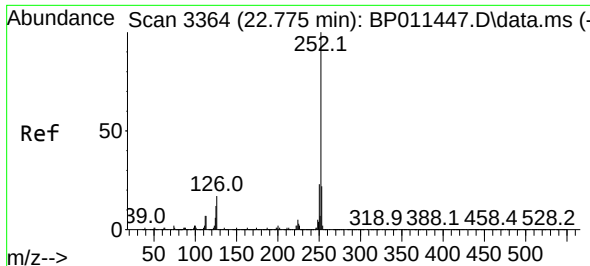
Tgt Ion:228 Resp: 1826734
Ion Ratio Lower Upper
228 100
226 30.6 23.9 35.9
229 21.7 16.0 24.0



#90
Benzo(b)fluoranthene
Concen: 71.919 ng/ul
RT: 22.745 min Scan# 3359
Delta R.T. 0.018 min
Lab File: BP011460.D
Acq: 17 Aug 2022 13:39

Tgt Ion:252 Resp: 2353111
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 12.1 9.0 13.4

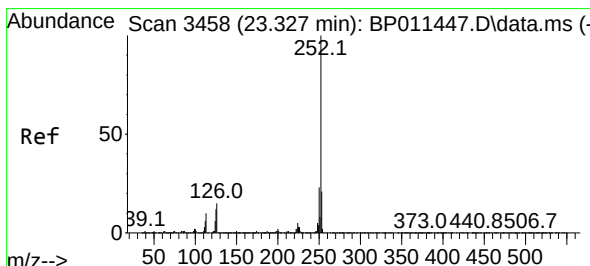
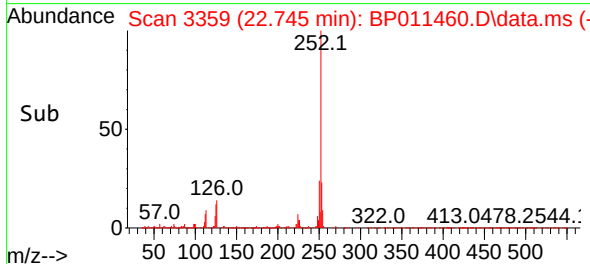
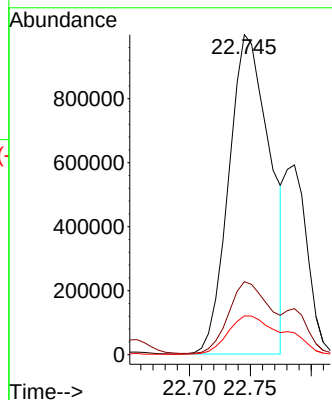
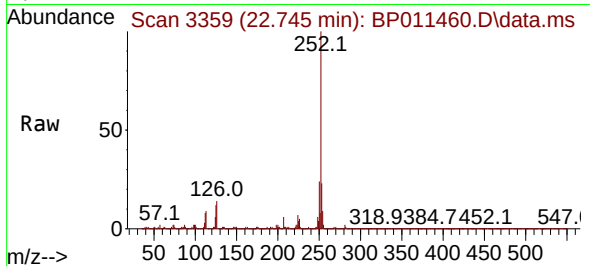




#91
Benzo(k)fluoranthene
Concen: 75.363 ng/u1
RT: 22.745 min Scan# 31
Delta R.T. -0.029 min
Lab File: BP011460.D
Acq: 17 Aug 2022 13:39

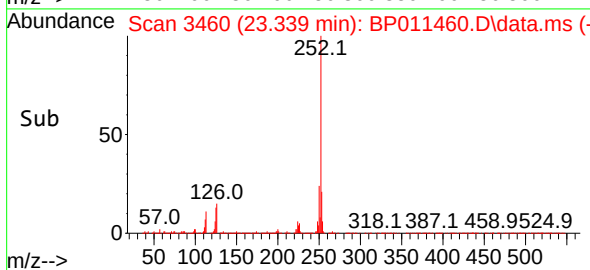
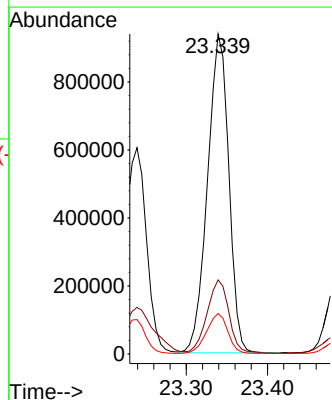
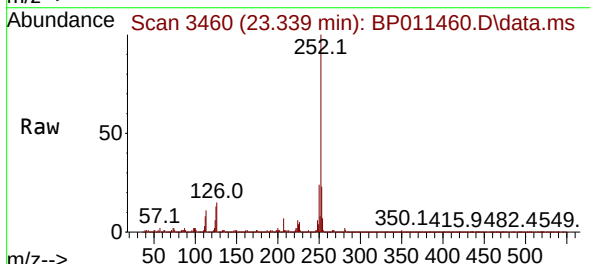
Instrument :
BNA_P
ClientSampleId :

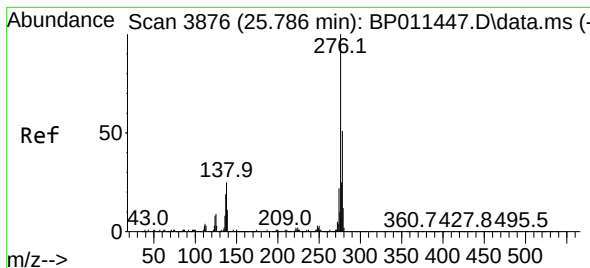
Tgt Ion:252 Resp: 2353111
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 12.1 9.8 14.8



#93
Benzo(a)pyrene
Concen: 53.432 ng/u1
RT: 23.339 min Scan# 3460
Delta R.T. 0.012 min
Lab File: BP011460.D
Acq: 17 Aug 2022 13:39

Tgt Ion:252 Resp: 1706837
Ion Ratio Lower Upper
252 100
253 23.2 16.8 25.2
125 12.7 9.9 14.9





#94

Indeno(1,2,3-cd)pyrene

Concen: 33.933 ng/ul

RT: 25.810 min Scan# 3900

Delta R.T. 0.023 min

Lab File: BP011460.D

Acq: 17 Aug 2022 13:39

Instrument :

BNA_P

ClientSampleId :

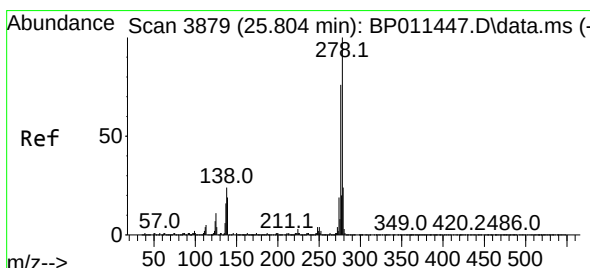
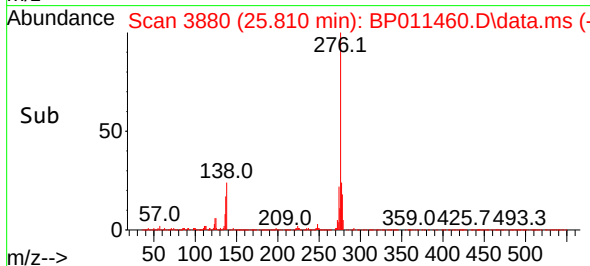
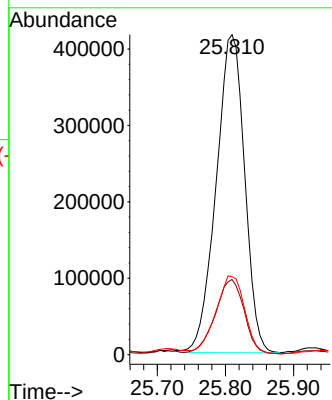
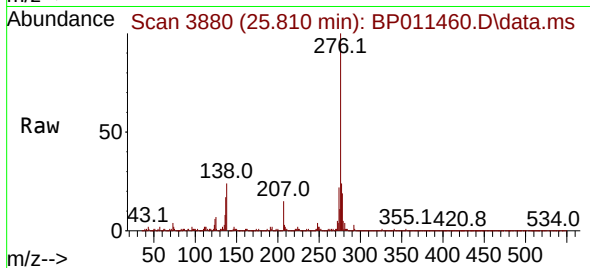
Tgt Ion:276 Resp: 1209024

Ion Ratio Lower Upper

276 100

138 23.5 20.2 30.4

277 24.4 20.1 30.1



#95

Dibenzo(a,h)anthracene

Concen: 2.734 ng/ul

RT: 25.927 min Scan# 3900

Delta R.T. 0.123 min

Lab File: BP011460.D

Acq: 17 Aug 2022 13:39

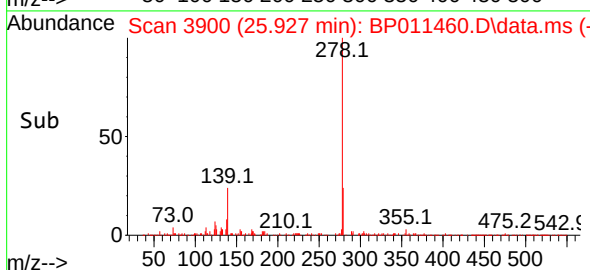
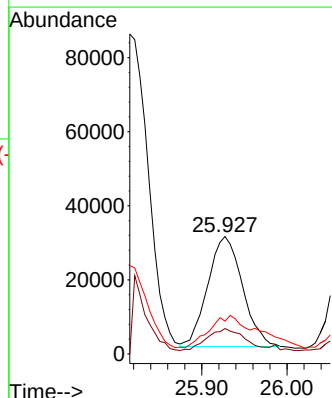
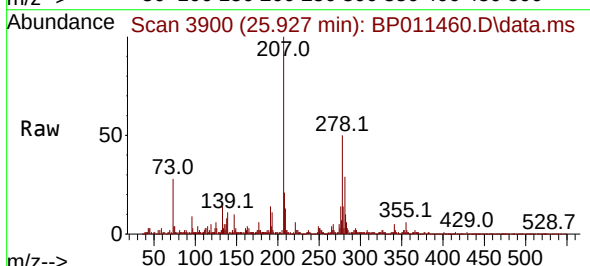
Tgt Ion:278 Resp: 83866

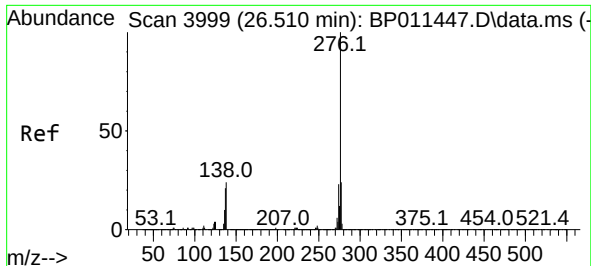
Ion Ratio Lower Upper

278 100

139 21.7 15.4 23.0

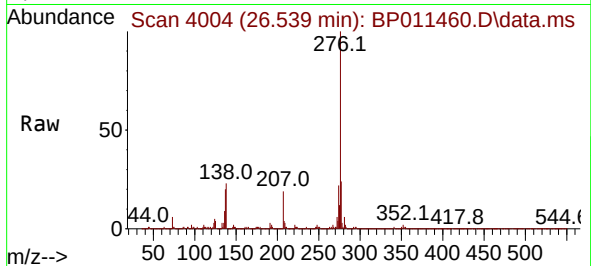
279 27.9 19.3 28.9





#96
 Benzo(g,h,i)perylene
 Concen: 33.494 ng/ul
 RT: 26.539 min Scan# 4004
 Delta R.T. 0.029 min
 Lab File: BP011460.D
 Acq: 17 Aug 2022 13:39

Instrument :
 BNA_P
 ClientSampleId :



Tgt Ion:276 Resp: 1015123

Ion	Ratio	Lower	Upper
276	100		
138	23.2	19.4	29.2
277	24.2	19.1	28.7

