

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
 Data File : BP011457.D
 Acq On : 17 Aug 2022 11:55
 Operator : CG/JU
 Sample : N4173-07 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 17 23:25:49 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	117329	20.000	ng/u1	0.00
20) Naphthalene-d8	10.346	136	527461	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.234	164	302231	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.004	188	580981	20.000	ng/u1	0.00
79) Chrysene-d12	21.145	240	513008	20.000	ng/u1	0.01
88) Perylene-d12	23.439	264	520945	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.076	96	1215	0.321	ng/uL	0.00
4) Pyridine-d5	3.476	84	318	0.033	ng/u1	0.00
7) Phenol-d5	6.746	99	24955	2.314	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.911	67	16154	2.306	ng/u1	0.00
11) 2-Chlorophenol-d4	7.093	132	20573	2.594	ng/u1	0.00
15) 4-Methylphenol-d8	8.281	113	19645	2.276	ng/u1	0.00
21) Nitrobenzene-d5	8.722	128	9097	2.396	ng/u1	0.00
24) 2-Nitrophenol-d4	9.446	143	8667	2.243	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.975	165	17887	2.507	ng/u1	0.00
31) 4-Chloroaniline-d4	10.505	131	17923	1.509	ng/u1	0.00
46) Dimethylphthalate-d6	13.657	166	58952	2.758	ng/u1	0.00
49) Acenaphthylene-d8	13.922	160	63069	2.655	ng/u1	0.00
54) 4-Nitrophenol-d4	14.475	143	4532	1.100	ng/u1	0.01
60) Fluorene-d10	15.234	176	51268	2.851	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.381	200	1877	0.598	ng/u1	0.01
73) Anthracene-d10	17.004	188	580981	22.579	ng/u1	-0.10
81) Pyrene-d10	19.375	212	79492	3.063	ng/u1	0.01
92) Benzo(a)pyrene-d12	23.292	264	74286	2.931	ng/u1	0.01
Target Compounds						
					Qvalue	
18) 4-Methylphenol	8.346	108	11437	1.266	ng/u1	94
30) Naphthalene	10.399	128	458858	16.476	ng/u1	99
36) 2-Methylnaphthalene	12.022	142	144389	7.969	ng/u1	99
37) 1-Methylnaphthalene	12.246	142	123796	6.736	ng/u1	98
43) 1,1'-Biphenyl	13.057	154	54988	2.442	ng/u1	98
50) Acenaphthylene	13.951	152	564667	20.006	ng/u1	98
52) Acenaphthene	14.293	153	160223	8.475	ng/u1	98
56) Dibenzofuran	14.634	168	316004	12.121	ng/u1	99
61) Fluorene	15.293	166	315599	14.798	ng/u1	98
72) Phenanthrene	17.057	178	7315178	232.622	ng/u1	99
74) Anthracene	17.140	178	1023301	32.255	ng/u1	99
77) Carbazole	17.422	167	605140	20.279	ng/u1	99
80) Fluoranthene	19.057	202	9718771	304.478	ng/u1	96
82) Pyrene	19.410	202	8804329	262.511	ng/u1	96
85) Benzo(a)anthracene	21.128	228	3282364	105.018	ng/u1	96
87) Chrysene	21.180	228	3467432	112.935	ng/u1	97
90) Benzo(b)fluoranthene	22.757	252	4429866	136.703	ng/u1	98
91) Benzo(k)fluoranthene	22.792	252	1500792	48.532	ng/u1	97
93) Benzo(a)pyrene	23.351	252	3257292	102.957	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	25.827	276	2317143	65.664	ng/u1	96
95) Dibenzo(a,h)anthracene	25.833	278	523646	17.234	ng/u1#	80
96) Benzo(g,h,i)perylene	26.557	276	1930706	64.321	ng/u1	98

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

Instrument :

BNA P

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Quant Time: Aug 17 23:25:49 2022

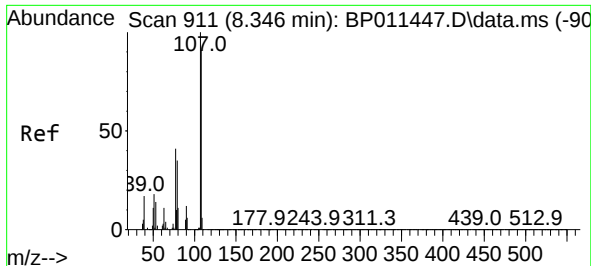
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Aug 17 01:58:37 2022

Response via : Initial Calibration

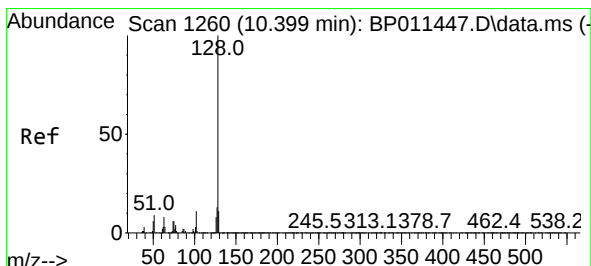
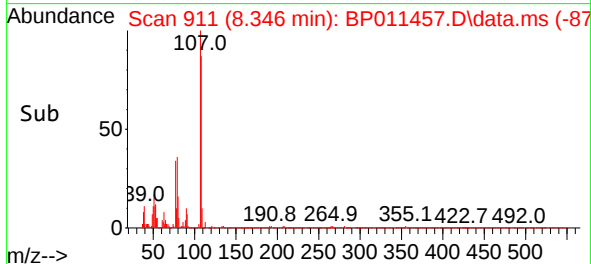
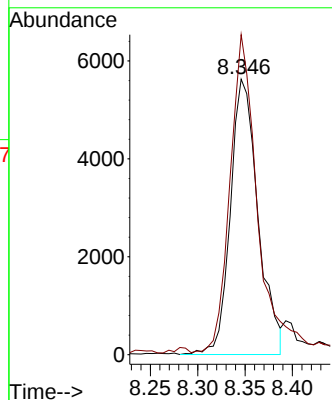
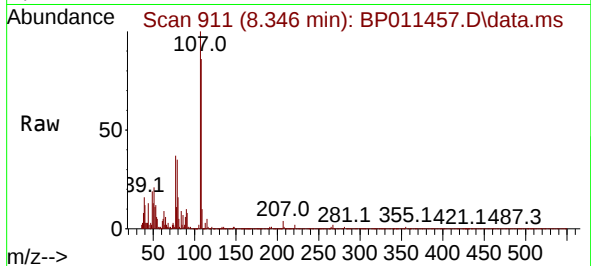




#18
4-Methylphenol
Concen: 1.266 ng/ul
RT: 8.346 min Scan# 911
Delta R.T. 0.000 min
Lab File: BP011457.D
Acq: 17 Aug 2022 11:55

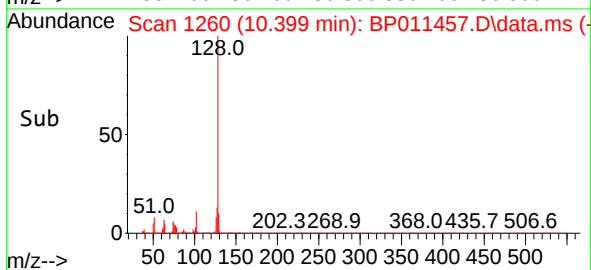
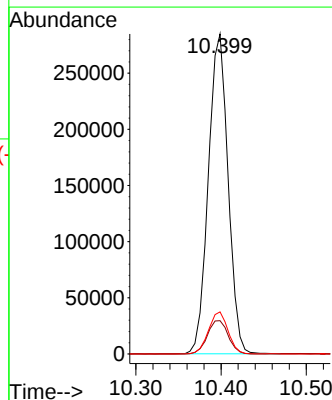
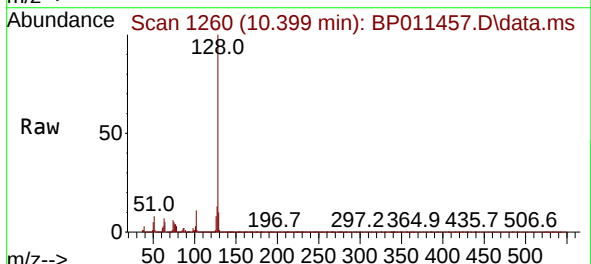
Instrument :
BNA_P
ClientSampleId :

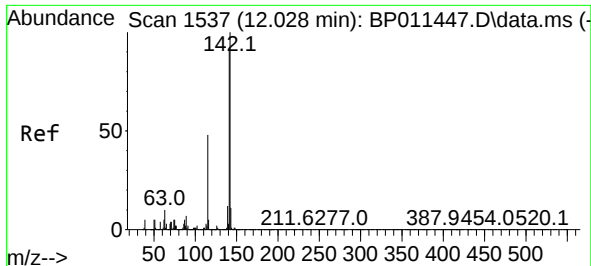
Tgt Ion:108 Resp: 11437
Ion Ratio Lower Upper
108 100
107 116.1 87.7 131.5



#30
Naphthalene
Concen: 16.476 ng/ul
RT: 10.399 min Scan# 1260
Delta R.T. 0.000 min
Lab File: BP011457.D
Acq: 17 Aug 2022 11:55

Tgt Ion:128 Resp: 458858
Ion Ratio Lower Upper
128 100
129 10.4 9.0 13.6
127 13.2 10.3 15.5

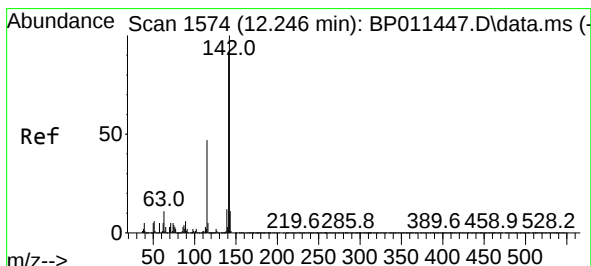
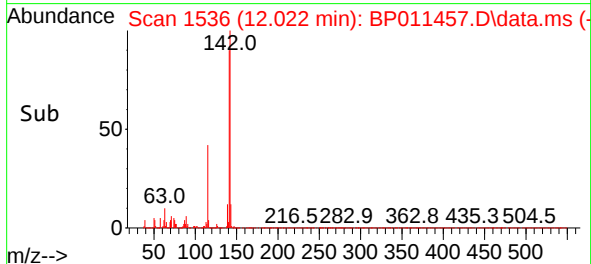
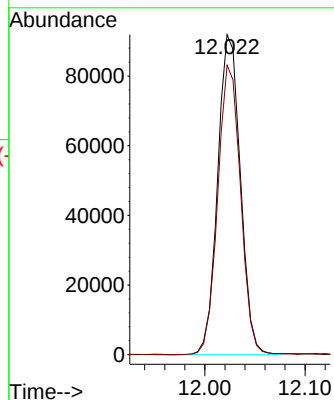
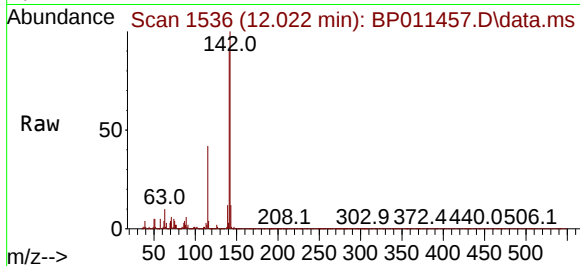




#36
2-Methylnaphthalene
Concen: 7.969 ng/ul
RT: 12.022 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BP011457.D
Acq: 17 Aug 2022 11:55

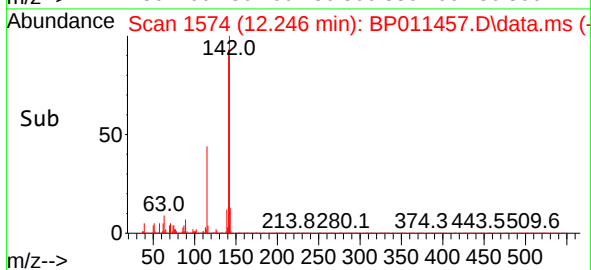
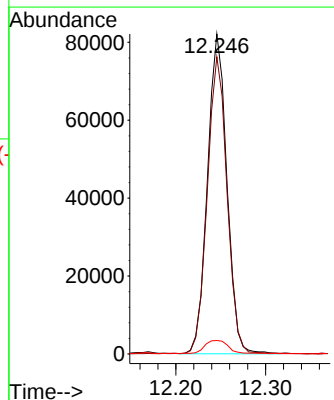
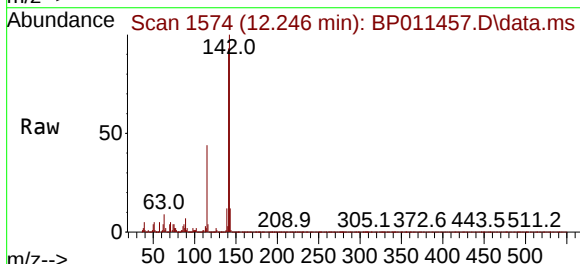
Instrument :
BNA_P
ClientSampleId :

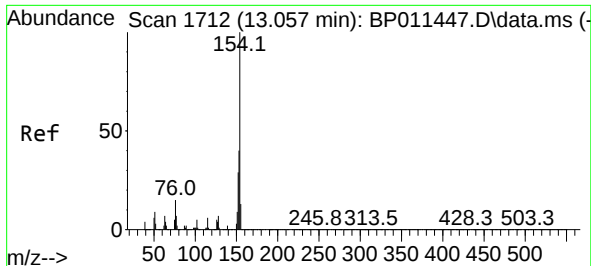
Tgt Ion:142 Resp: 144389
Ion Ratio Lower Upper
142 100
141 90.5 73.4 110.0



#37
1-Methylnaphthalene
Concen: 6.736 ng/ul
RT: 12.246 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BP011457.D
Acq: 17 Aug 2022 11:55

Tgt Ion:142 Resp: 123796
Ion Ratio Lower Upper
142 100
141 92.9 73.0 109.6
116 4.2 4.0 6.0

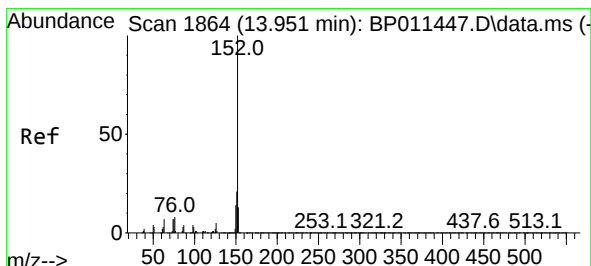
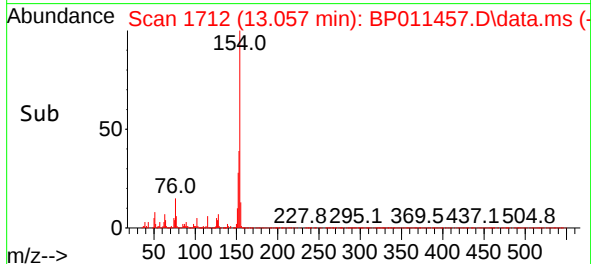
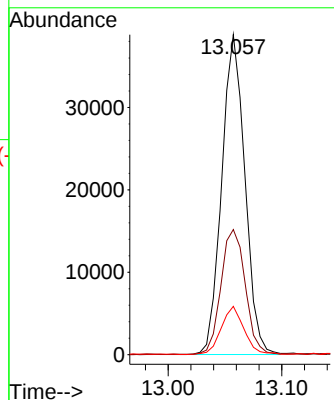
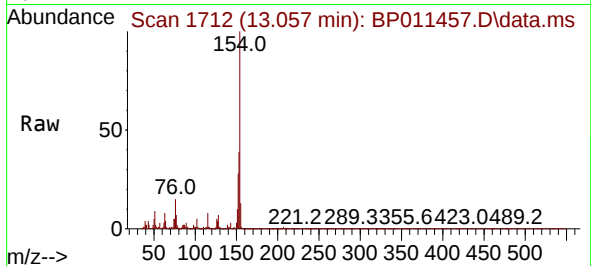




#43
1,1'-Biphenyl
Concen: 2.442 ng/ul
RT: 13.057 min Scan# 1712
Delta R.T. 0.000 min
Lab File: BP011457.D
Acq: 17 Aug 2022 11:55

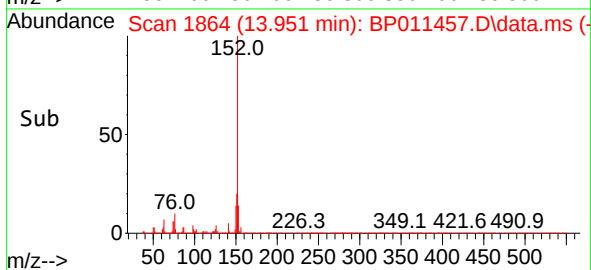
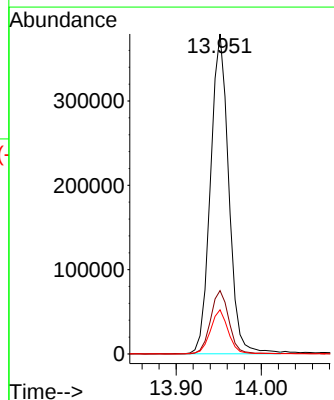
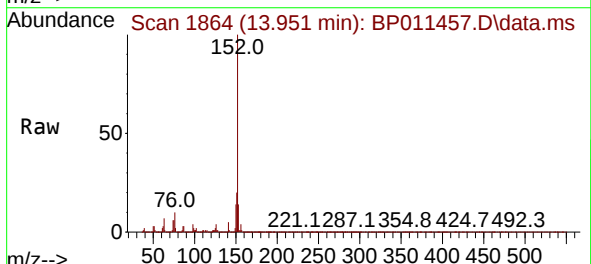
Instrument :
BNA_P
ClientSampleId :

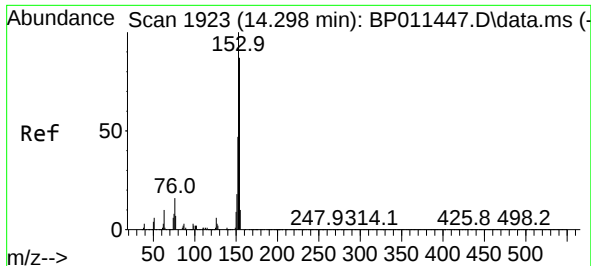
Tgt Ion:154	Resp:	54988
Ion Ratio	Lower	Upper
154	100	
153	39.1	32.2 48.4
76	15.1	11.6 17.4



#50
Acenaphthylene
Concen: 20.006 ng/ul
RT: 13.951 min Scan# 1864
Delta R.T. 0.000 min
Lab File: BP011457.D
Acq: 17 Aug 2022 11:55

Tgt Ion:152	Resp:	564667
Ion Ratio	Lower	Upper
152	100	
151	19.8	16.9 25.3
153	13.8	10.6 15.8

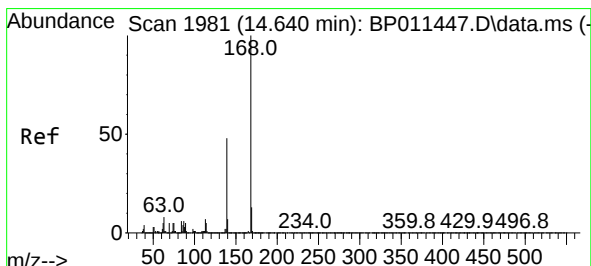
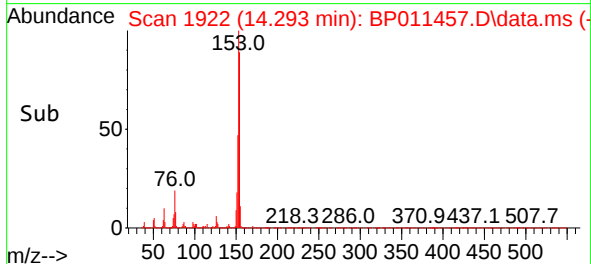
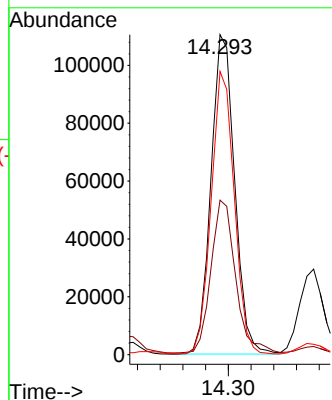
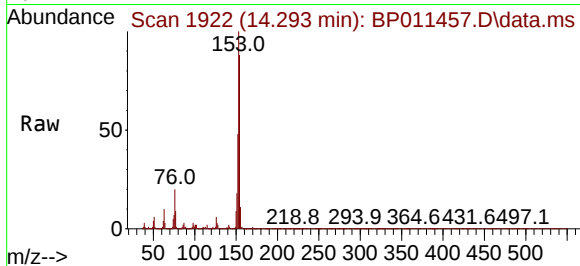




#52
Acenaphthene
Concen: 8.475 ng/ul
RT: 14.293 min Scan# 1923
Delta R.T. -0.006 min
Lab File: BP011457.D
Acq: 17 Aug 2022 11:55

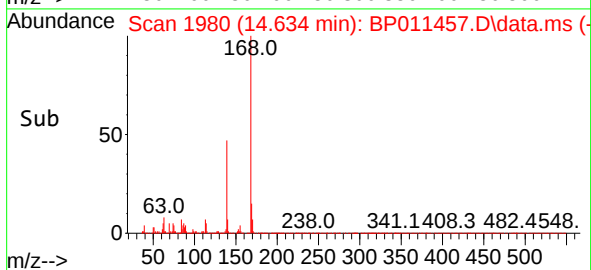
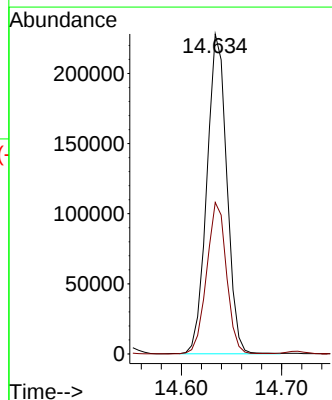
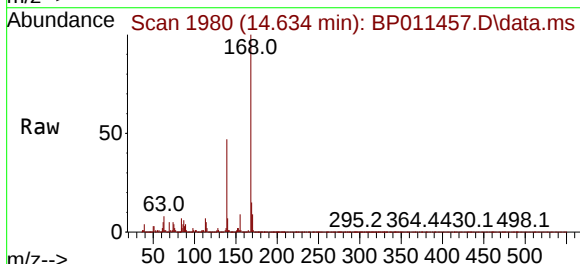
Instrument :
BNA_P
ClientSampleId :

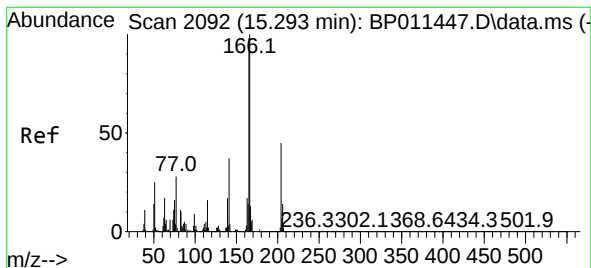
Tgt Ion:153 Resp: 160223
Ion Ratio Lower Upper
153 100
152 48.3 37.7 56.5
154 88.5 69.4 104.0



#56
Dibenzofuran
Concen: 12.121 ng/ul
RT: 14.634 min Scan# 1980
Delta R.T. -0.006 min
Lab File: BP011457.D
Acq: 17 Aug 2022 11:55

Tgt Ion:168 Resp: 316004
Ion Ratio Lower Upper
168 100
139 47.3 38.4 57.6





#61

Fluorene

Concen: 14.798 ng/u1

RT: 15.293 min Scan# 2092

Delta R.T. 0.000 min

Lab File: BP011457.D

Acq: 17 Aug 2022 11:55

Instrument :

BNA_P

ClientSampleId :

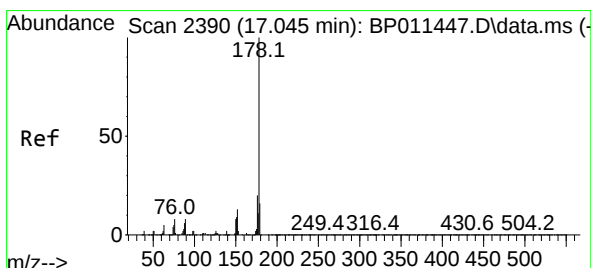
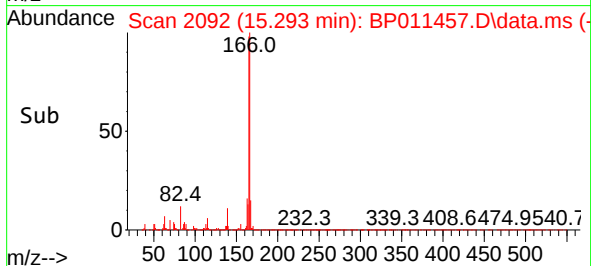
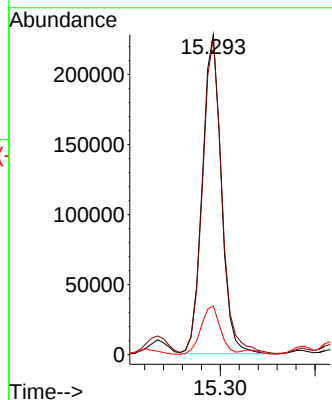
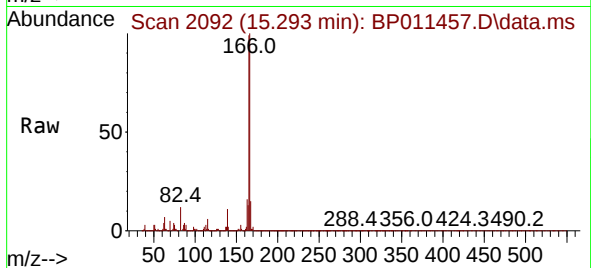
Tgt Ion:166 Resp: 315599

Ion Ratio Lower Upper

166 100

165 98.9 78.2 117.2

167 15.2 10.3 15.5



#72

Phenanthrene

Concen: 232.622 ng/u1

RT: 17.057 min Scan# 2392

Delta R.T. 0.012 min

Lab File: BP011457.D

Acq: 17 Aug 2022 11:55

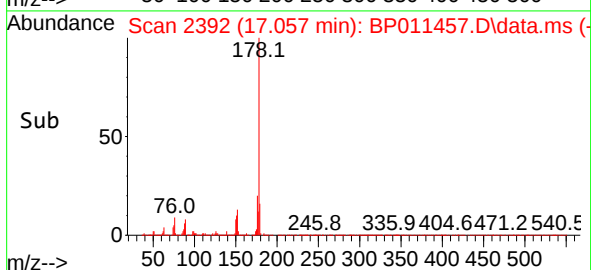
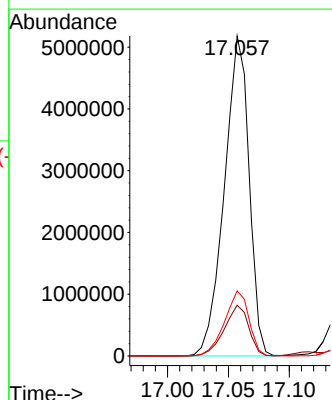
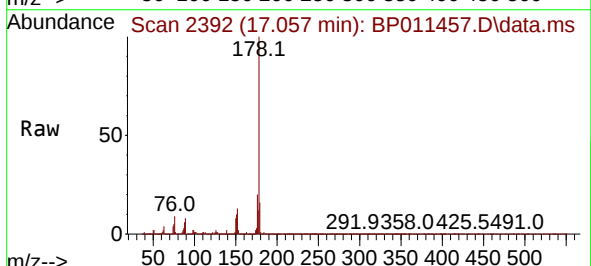
Tgt Ion:178 Resp: 7315178

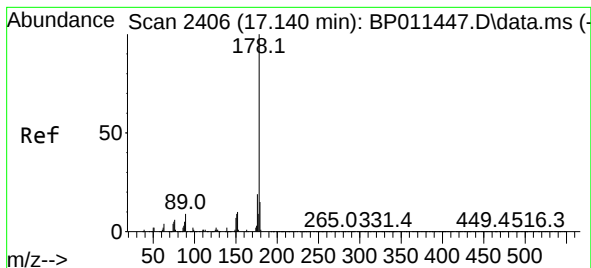
Ion Ratio Lower Upper

178 100

179 15.8 12.6 18.8

176 20.4 15.8 23.8





#74

Anthracene

Concen: 32.255 ng/ul

RT: 17.140 min Scan# 2406

Delta R.T. 0.000 min

Lab File: BP011457.D

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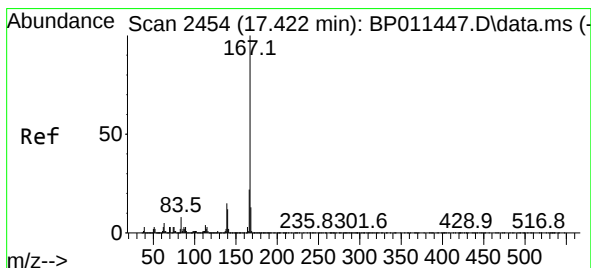
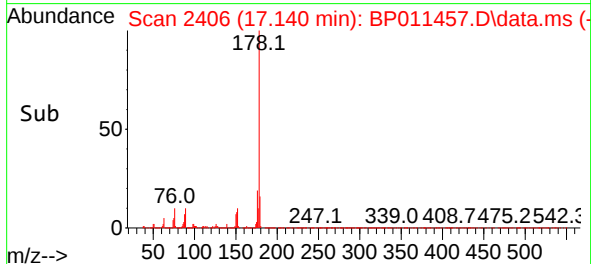
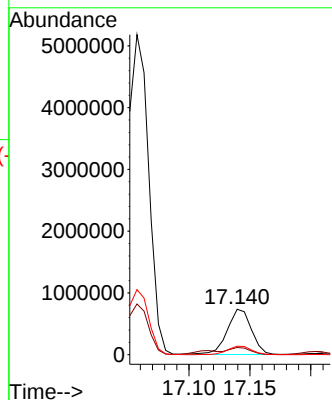
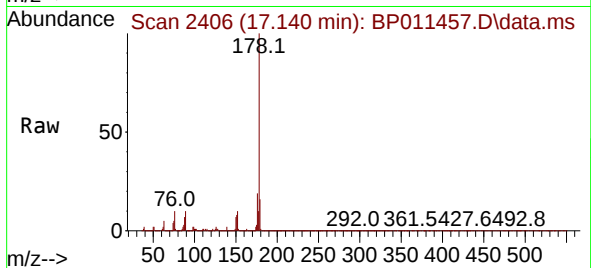
Tgt Ion:178 Resp: 1023301

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.2

176 18.5 15.4 23.0



#77

Carbazole

Concen: 20.279 ng/ul

RT: 17.422 min Scan# 2454

Delta R.T. 0.000 min

Lab File: BP011457.D

Acq: 17 Aug 2022 11:55

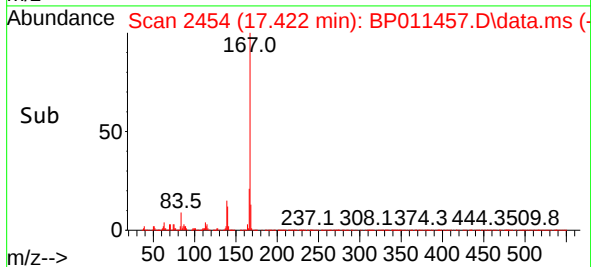
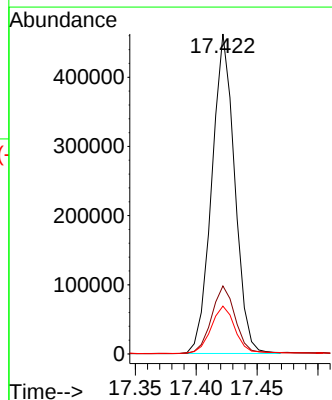
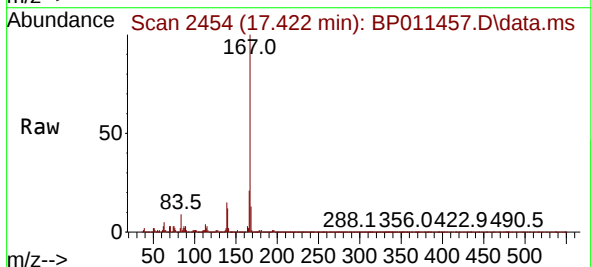
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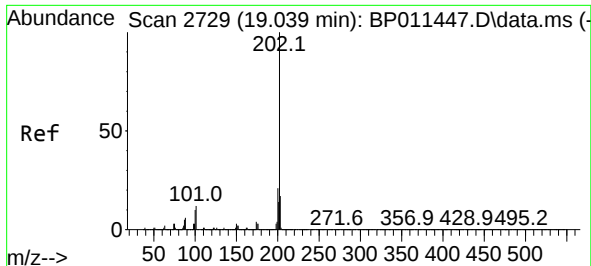
Ion Ratio Lower Upper

167 100

166 21.2 17.5 26.3

139 15.0 12.1 18.1

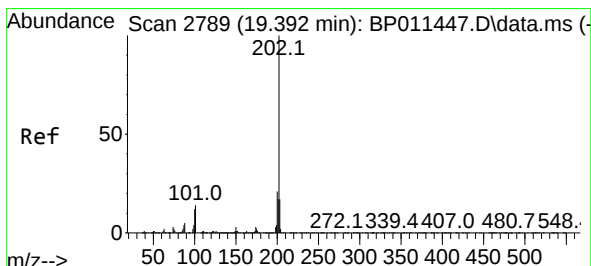
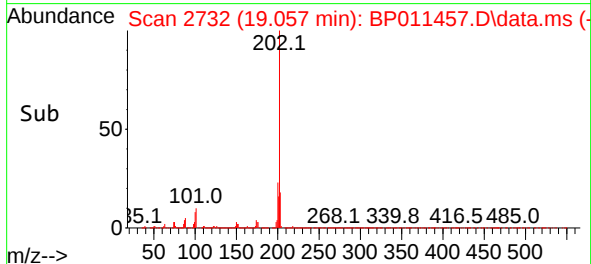
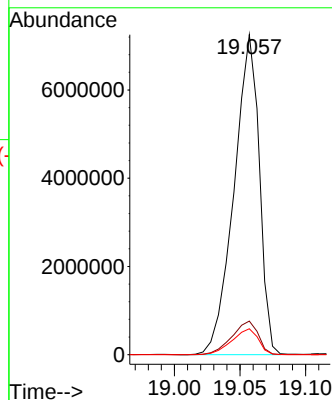
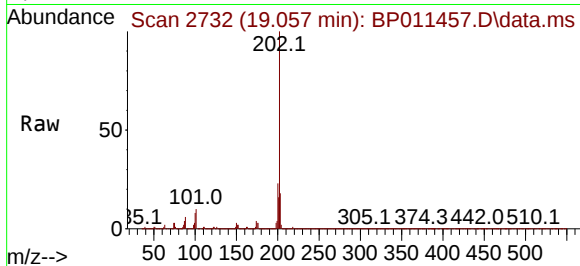




#80
Fluoranthene
Concen: 304.478 ng/u1
RT: 19.057 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP011457.D
Acq: 17 Aug 2022 11:55

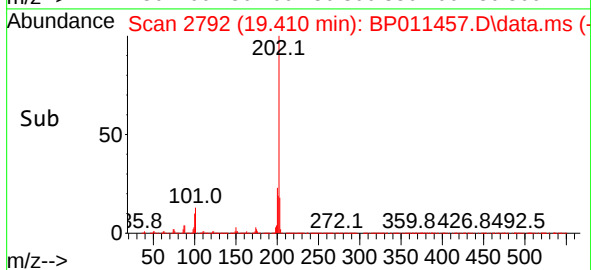
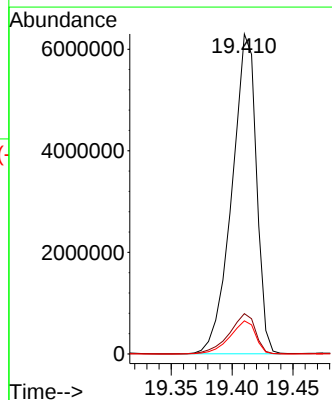
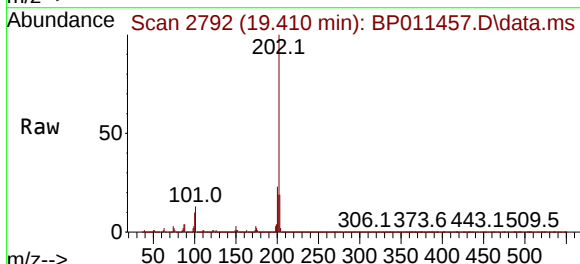
Instrument :
BNA_P
ClientSampleId :

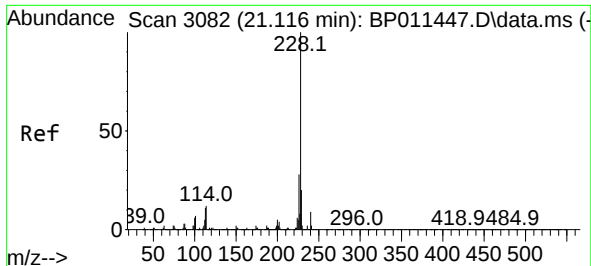
Tgt Ion:202 Resp: 9718771
Ion Ratio Lower Upper
202 100
101 10.5 9.5 14.3
100 8.1 7.9 11.9



#82
Pyrene
Concen: 262.511 ng/u1
RT: 19.410 min Scan# 2792
Delta R.T. 0.018 min
Lab File: BP011457.D
Acq: 17 Aug 2022 11:55

Tgt Ion:202 Resp: 8804329
Ion Ratio Lower Upper
202 100
101 12.6 11.4 17.2
100 10.4 9.4 14.0

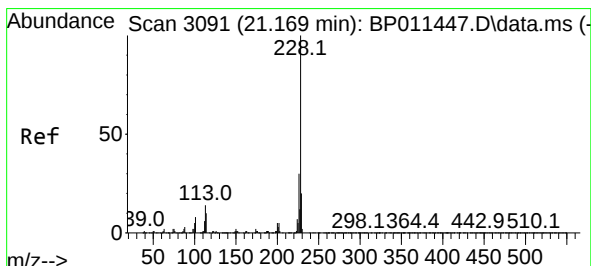
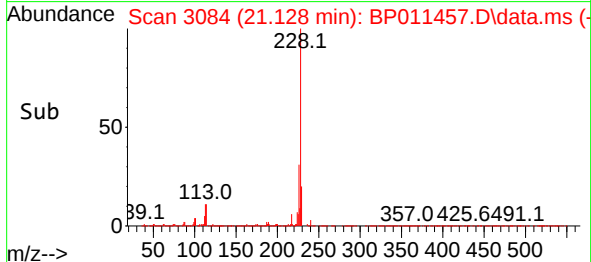
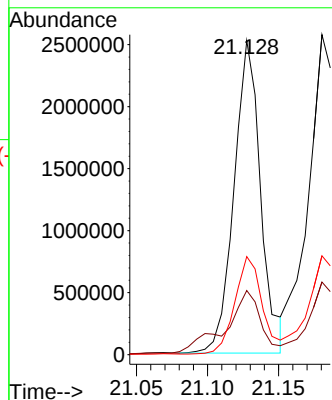
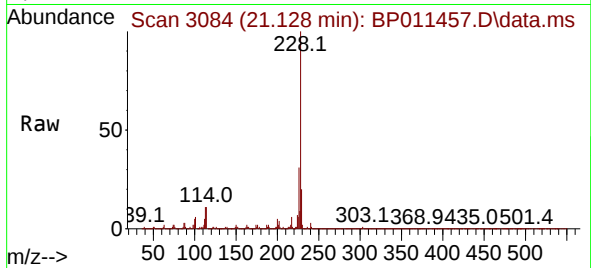




#85
Benzo(a)anthracene
Concen: 105.018 ng/u1
RT: 21.128 min Scan# 3082
Delta R.T. 0.012 min
Lab File: BP011457.D
Acq: 17 Aug 2022 11:55

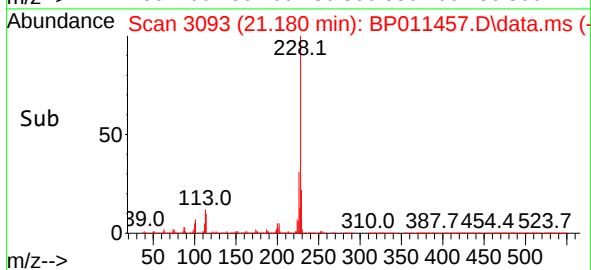
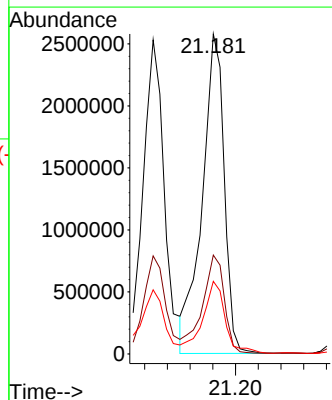
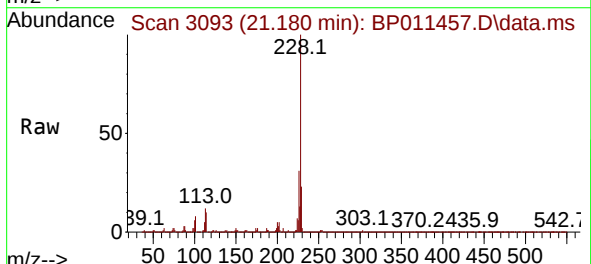
Instrument :
BNA_P
ClientSampleId :

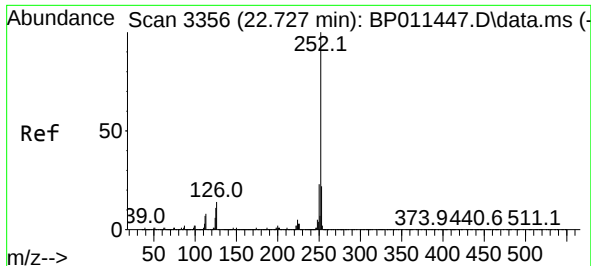
Tgt Ion:228 Resp: 3282364
Ion Ratio Lower Upper
228 100
229 20.4 16.0 24.0
226 31.2 22.6 33.8



#87
Chrysene
Concen: 112.935 ng/u1
RT: 21.180 min Scan# 3093
Delta R.T. 0.012 min
Lab File: BP011457.D
Acq: 17 Aug 2022 11:55

Tgt Ion:228 Resp: 3467432
Ion Ratio Lower Upper
228 100
226 30.9 23.9 35.9
229 22.7 16.0 24.0

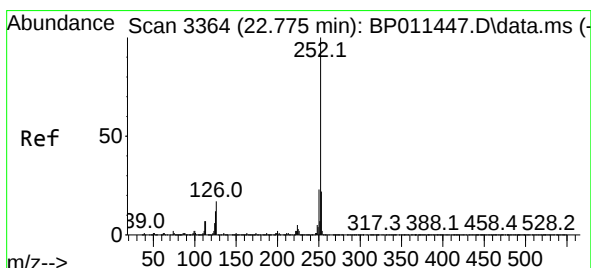
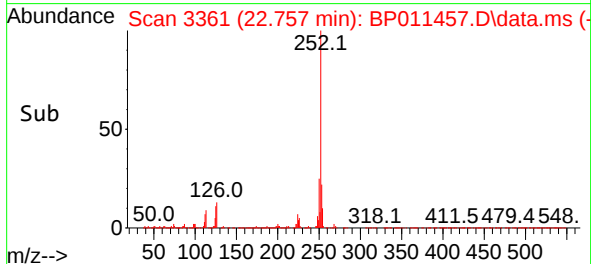
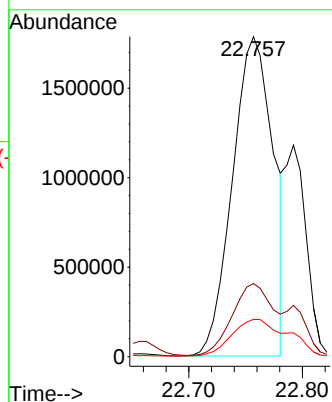
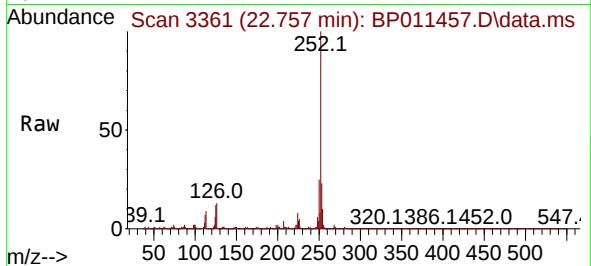




#90
Benzo(b)fluoranthene
Concen: 136.703 ng/ul
RT: 22.757 min Scan# 3361
Delta R.T. 0.029 min
Lab File: BP011457.D
Acq: 17 Aug 2022 11:55

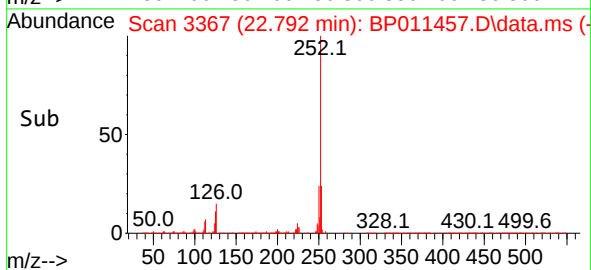
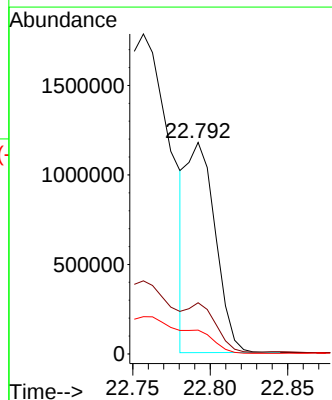
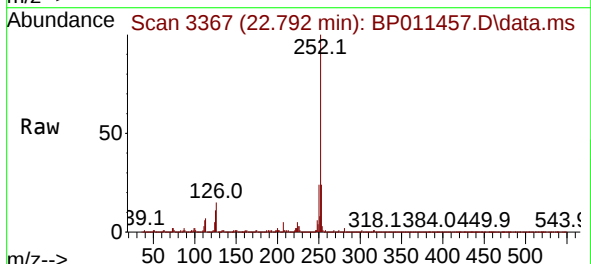
Instrument :
BNA_P
ClientSampleId :

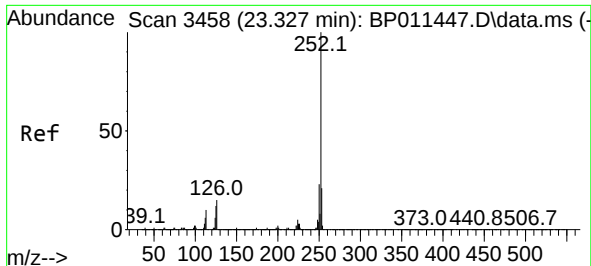
Tgt Ion:252 Resp: 4429866
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.7 9.0 13.4



#91
Benzo(k)fluoranthene
Concen: 48.532 ng/ul
RT: 22.792 min Scan# 3367
Delta R.T. 0.018 min
Lab File: BP011457.D
Acq: 17 Aug 2022 11:55

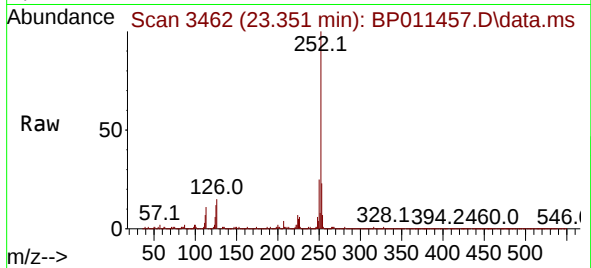
Tgt Ion:252 Resp: 1500792
Ion Ratio Lower Upper
252 100
253 24.2 17.9 26.9
125 11.3 9.8 14.8



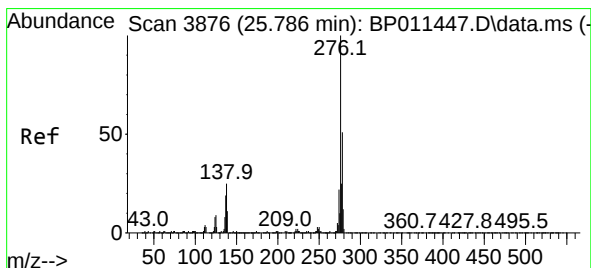
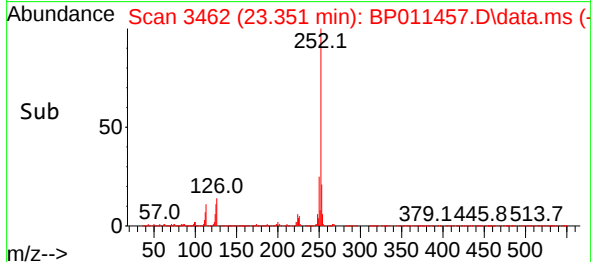
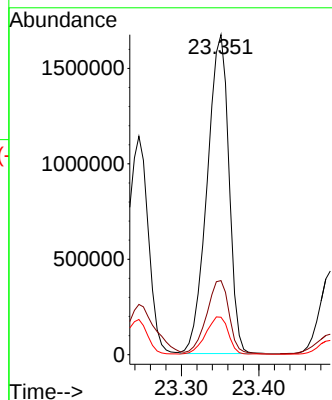


#93
Benzo(a)pyrene
Concen: 102.957 ng/ul
RT: 23.351 min Scan# 3458
Delta R.T. 0.024 min
Lab File: BP011457.D
Acq: 17 Aug 2022 11:55

Instrument :
BNA_P
ClientSampleId :

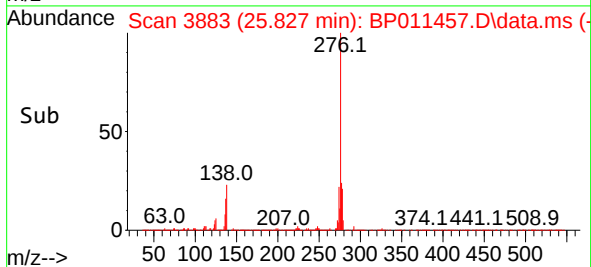
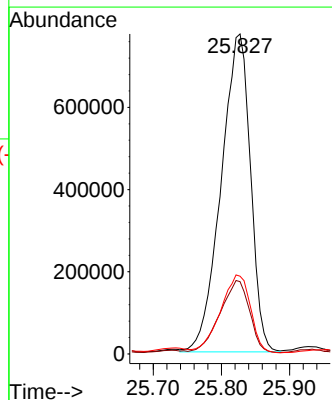
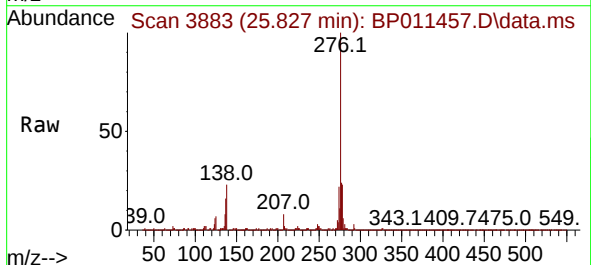


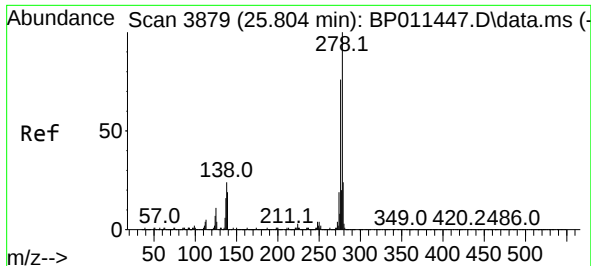
Tgt Ion:252 Resp: 3257292
Ion Ratio Lower Upper
252 100
253 23.2 16.8 25.2
125 11.7 9.9 14.9



#94
Indeno(1,2,3-cd)pyrene
Concen: 65.664 ng/ul
RT: 25.827 min Scan# 3883
Delta R.T. 0.041 min
Lab File: BP011457.D
Acq: 17 Aug 2022 11:55

Tgt Ion:276 Resp: 2317143
Ion Ratio Lower Upper
276 100
138 22.6 20.2 30.4
277 24.3 20.1 30.1

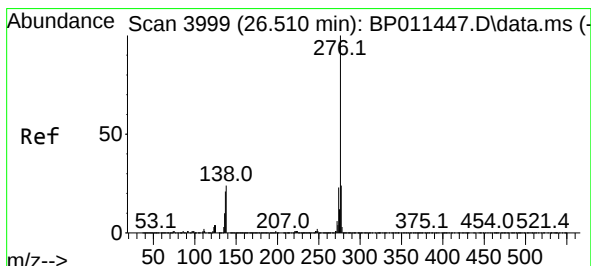
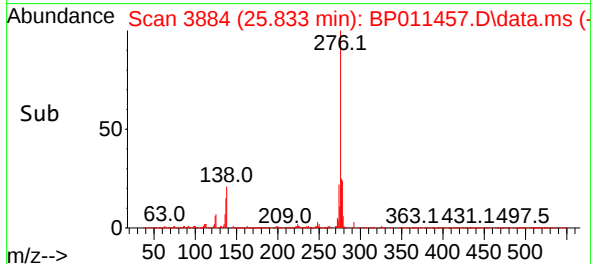
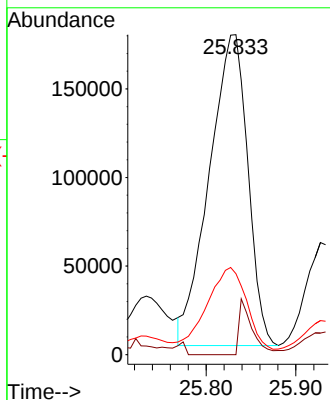
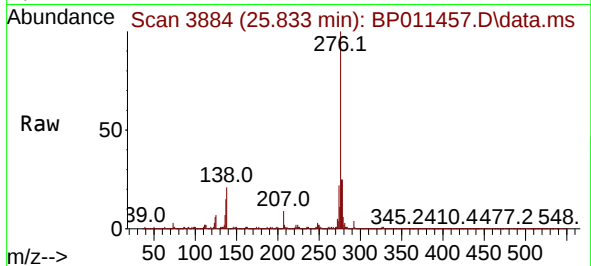




#95
 Dibenzo(a,h)anthracene
 Concen: 17.234 ng/ul
 RT: 25.833 min Scan# 3884
 Delta R.T. 0.029 min
 Lab File: BP011457.D
 Acq: 17 Aug 2022 11:55

Instrument :
 BNA_P
 ClientSampleId :

Tgt Ion:278 Resp: 523646
 Ion Ratio Lower Upper
 278 100
 139 0.0 15.4 23.0#
 279 25.3 19.3 28.9



#96
 Benzo(g,h,i)perylene
 Concen: 64.321 ng/ul
 RT: 26.557 min Scan# 4007
 Delta R.T. 0.047 min
 Lab File: BP011457.D
 Acq: 17 Aug 2022 11:55

Tgt Ion:276 Resp: 1930706
 Ion Ratio Lower Upper
 276 100
 138 22.6 19.4 29.2
 277 24.4 19.1 28.7

