

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014945.D
 Acq On : 04 May 2023 11:06
 Operator : CG/JU
 Sample : 02447-16
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW936

Quant Time: May 04 22:41:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 04 11:40:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.163	152	313941	20.000	ng/u1	0.00
20) Naphthalene-d8	10.999	136	1192963	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.810	164	573496	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.563	188	991041	20.000	ng/u1	0.00
79) Chrysene-d12	21.651	240	940940	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1202553	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.458	96	27124	3.212	ng/uL	0.00
4) Pyridine-d5	3.899	84	309515	13.411	ng/u1	0.00
7) Phenol-d5	7.305	99	492006	18.076	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.481	67	304100	18.076	ng/u1	0.00
11) 2-Chlorophenol-d4	7.687	132	396800	19.827	ng/u1	0.00
15) 4-Methylphenol-d8	8.869	113	358884	17.110	ng/u1	0.00
21) Nitrobenzene-d5	9.340	128	178834	21.078	ng/u1	0.00
24) 2-Nitrophenol-d4	10.069	143	191289	21.956	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.610	165	340401	19.899	ng/u1	0.00
31) 4-Chloroaniline-d4	11.134	131	287150	11.605	ng/u1	0.00
46) Dimethylphthalate-d6	14.210	166	884314	21.787	ng/u1	0.00
49) Acenaphthylene-d8	14.504	160	1057743	21.729	ng/u1	0.00
54) 4-Nitrophenol-d4	14.987	143	63749	9.028	ng/u1	0.00
60) Fluorene-d10	15.798	176	714153	20.451	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.916	200	45806	8.211	ng/u1	0.00
73) Anthracene-d10	17.663	188	995506	22.356	ng/u1	0.00
81) Pyrene-d10	19.881	212	1175905	18.529	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.080	264	1356684	23.154	ng/u1	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	11.052	128	158422	2.416	ng/u1	100
36) 2-Methylnaphthalene	12.646	142	58782	1.450	ng/u1	99
37) 1-Methylnaphthalene	12.863	142	55618	1.331	ng/u1	97
50) Acenaphthylene	14.534	152	76364	1.384	ng/u1	98
52) Acenaphthene	14.875	153	417800	10.940	ng/u1	98
56) Dibenzofuran	15.204	168	281007	5.453	ng/u1	100
61) Fluorene	15.857	166	403467	9.925	ng/u1	98
72) Phenanthrene	17.610	178	5846905	106.791	ng/u1	99
74) Anthracene	17.698	178	1473252	27.027	ng/u1	99
77) Carbazole	17.957	167	652200	14.225	ng/u1	100
80) Fluoranthene	19.563	202	9419489	120.961	ng/u1	97
82) Pyrene	19.916	202	8231475	99.771	ng/u1	96
85) Benzo(a)anthracene	21.633	228	4958338	78.948	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.527	149	44014	1.412	ng/u1#	100
87) Chrysene	21.692	228	4608476	72.875	ng/u1	97
90) Benzo(b)fluoranthene	23.457	252	6863621	88.313	ng/u1	97
91) Benzo(k)fluoranthene	23.457	252	6863621	86.774	ng/u1	99
93) Benzo(a)pyrene	24.145	252	5018751	73.632	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	27.015	276	3805309	45.769	ng/u1	98
95) Dibenzo(a,h)anthracene	27.027	278	907813	13.322	ng/u1#	85
96) Benzo(g,h,i)perylene	27.874	276	3350045	47.343	ng/u1	98

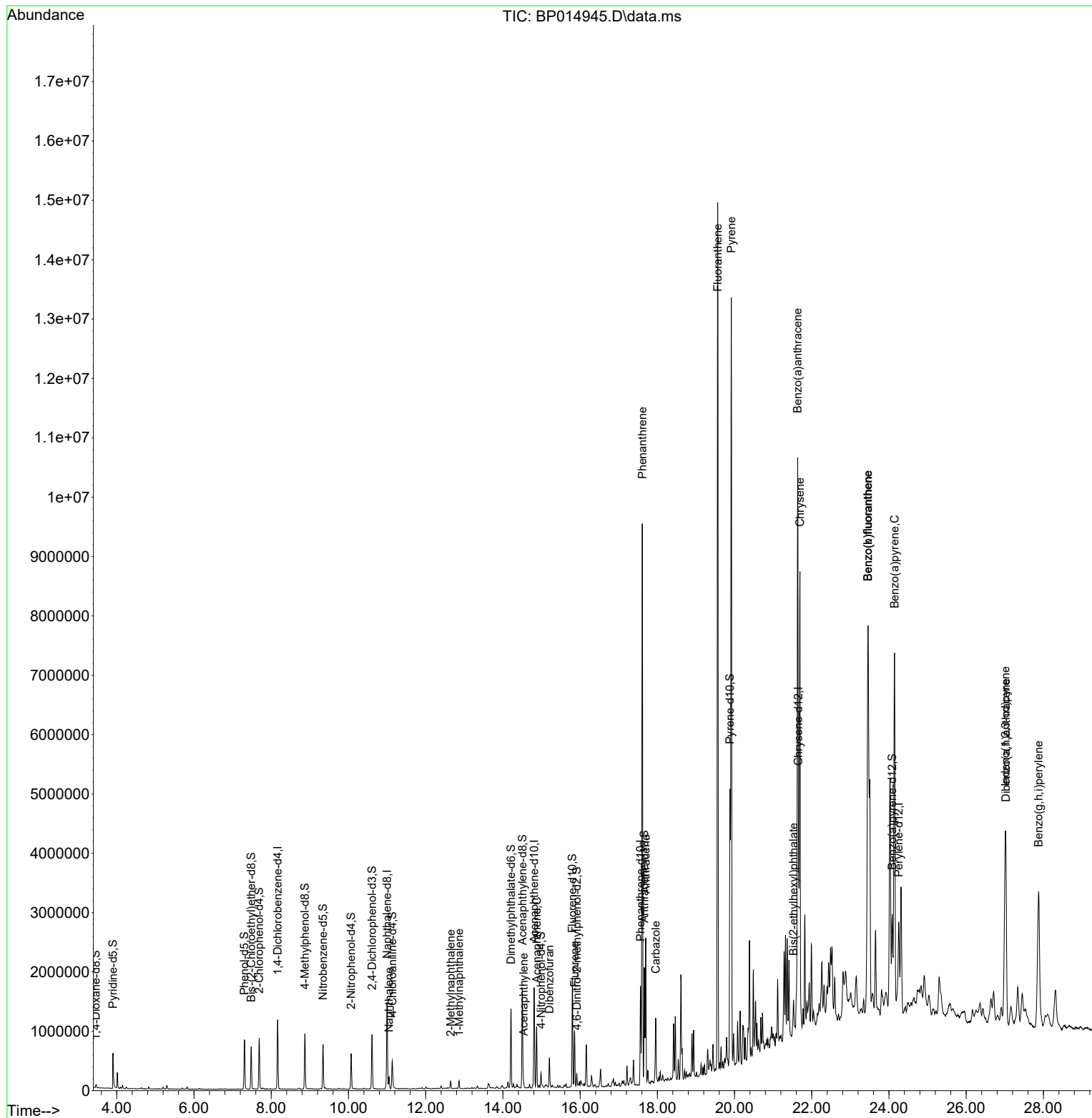
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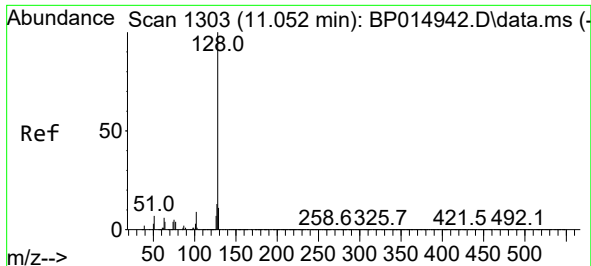
Instrument :
BNA_P
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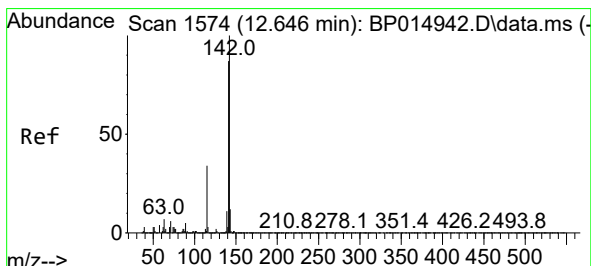
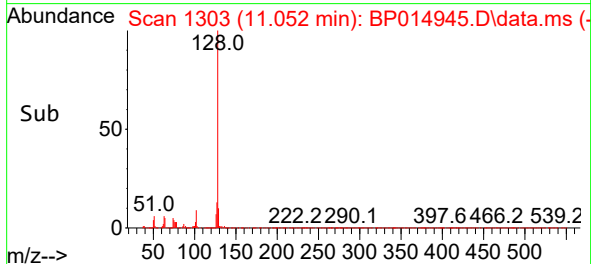
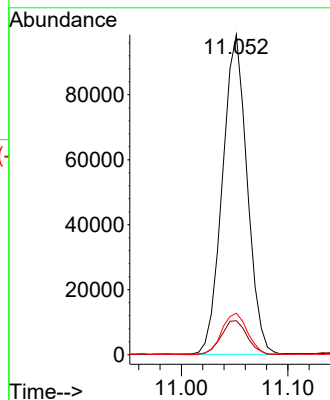
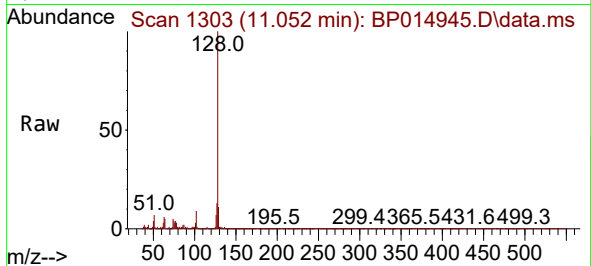




#30
Naphthalene
Concen: 2.416 ng/ul
RT: 11.052 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BP014945.D
Acq: 04 May 2023 11:06

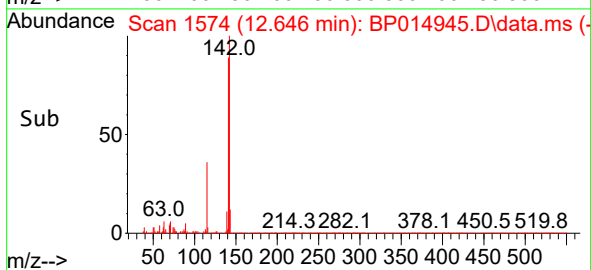
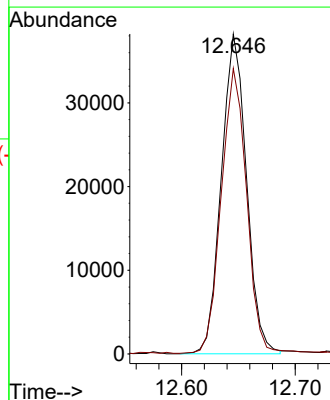
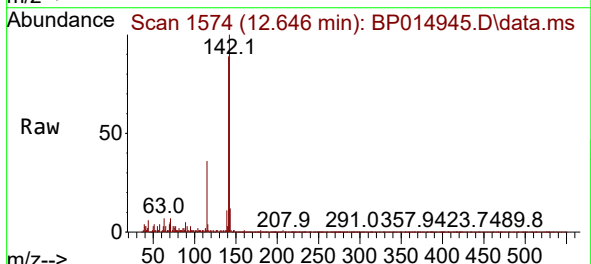
Instrument :
BNA_P
ClientSampleId :
EW936

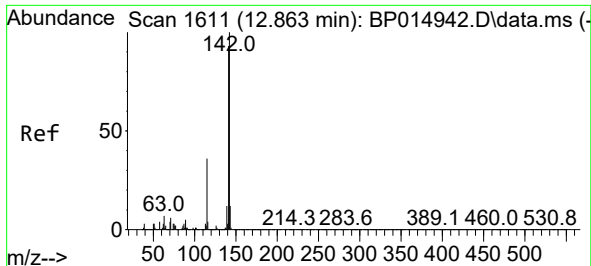
Tgt Ion:128 Resp: 158422
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 13.0 10.4 15.6



#36
2-Methylnaphthalene
Concen: 1.450 ng/ul
RT: 12.646 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BP014945.D
Acq: 04 May 2023 11:06

Tgt Ion:142 Resp: 58782
Ion Ratio Lower Upper
142 100
141 89.2 70.5 105.7

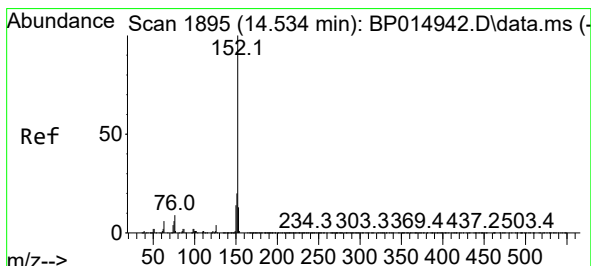
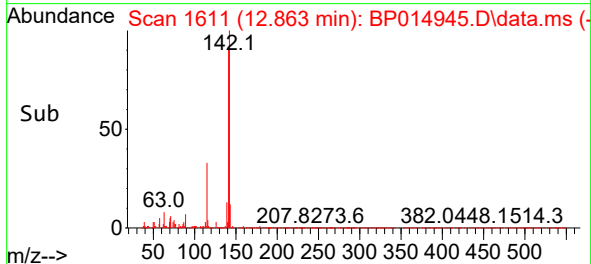
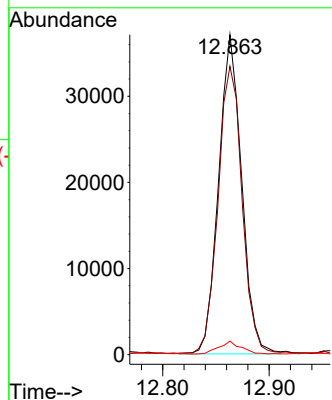
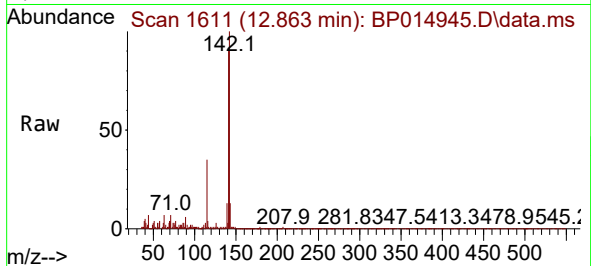




#37
1-Methylnaphthalene
Concen: 1.331 ng/ul
RT: 12.863 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BP014945.D
Acq: 04 May 2023 11:06

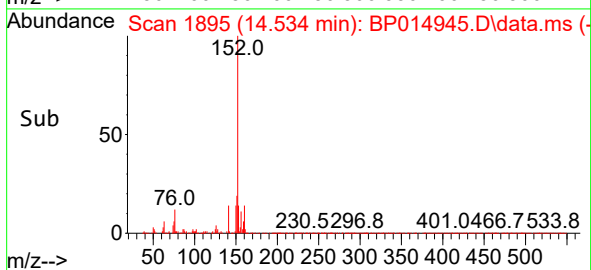
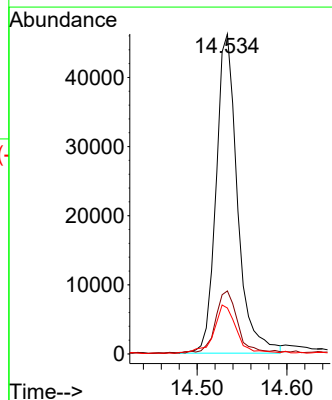
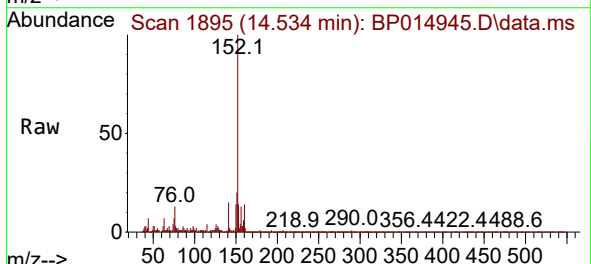
Instrument :
BNA_P
ClientSampleId :
EW936

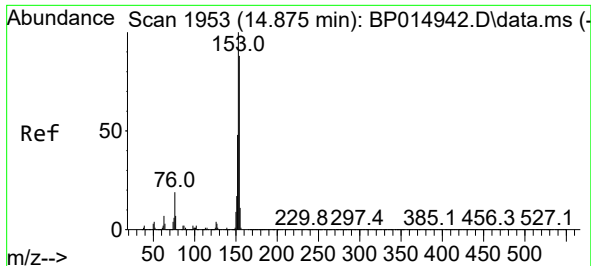
Tgt Ion:142 Resp: 55618
Ion Ratio Lower Upper
142 100
141 90.1 74.4 111.6
116 4.2 2.9 4.3



#50
Acenaphthylene
Concen: 1.384 ng/ul
RT: 14.534 min Scan# 1895
Delta R.T. -0.000 min
Lab File: BP014945.D
Acq: 04 May 2023 11:06

Tgt Ion:152 Resp: 76364
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1
153 14.4 10.4 15.6

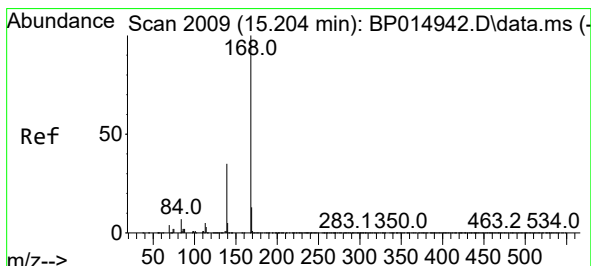
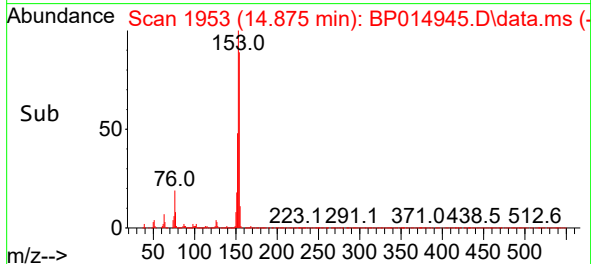
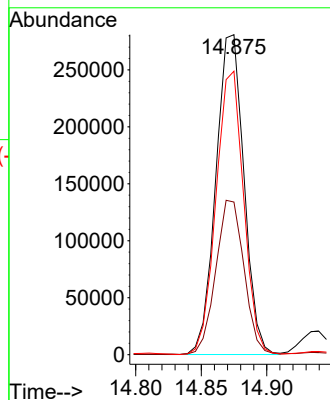
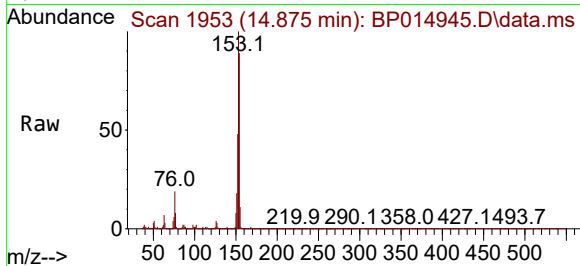




#52
Acenaphthene
Concen: 10.940 ng/ul
RT: 14.875 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BP014945.D
Acq: 04 May 2023 11:06

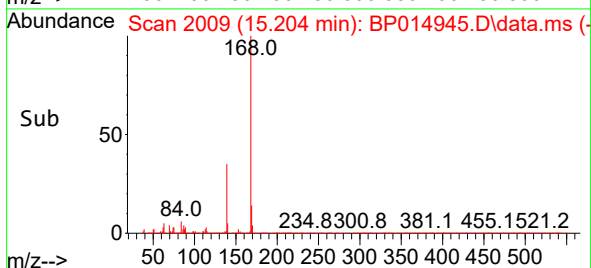
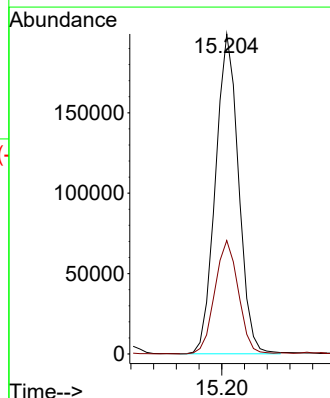
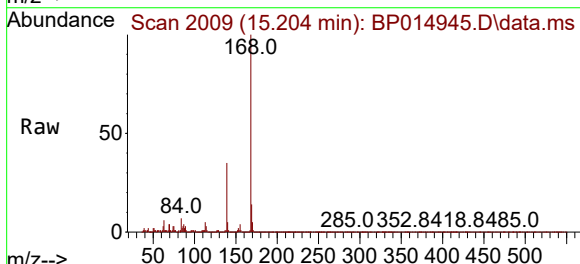
Instrument :
BNA_P
ClientSampleId :
EW936

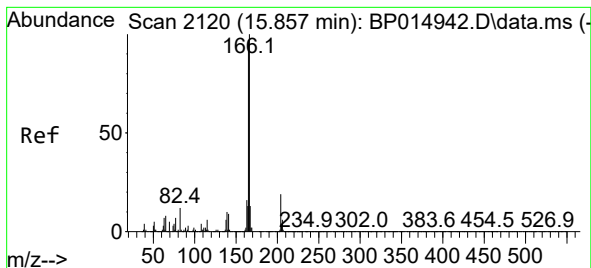
Tgt Ion:153 Resp: 417800
Ion Ratio Lower Upper
153 100
152 47.7 38.8 58.2
154 88.6 69.6 104.4



#56
Dibenzofuran
Concen: 5.453 ng/ul
RT: 15.204 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BP014945.D
Acq: 04 May 2023 11:06

Tgt Ion:168 Resp: 281007
Ion Ratio Lower Upper
168 100
139 35.5 28.6 42.8





#61

Fluorene

Concen: 9.925 ng/ul

RT: 15.857 min Scan# 2120

Delta R.T. -0.000 min

Lab File: BP014945.D

Acq: 04 May 2023 11:06

Instrument :

BNA_P

ClientSampleId :

EW936

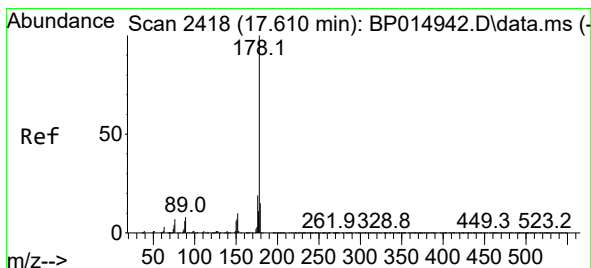
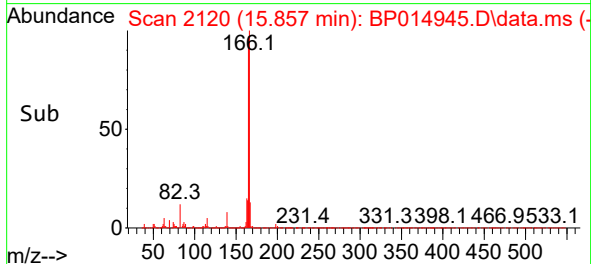
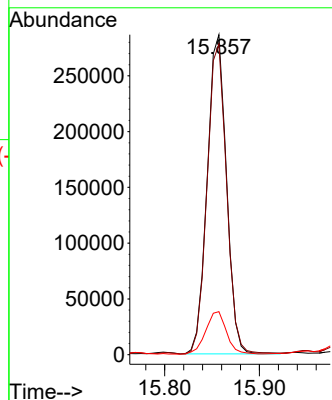
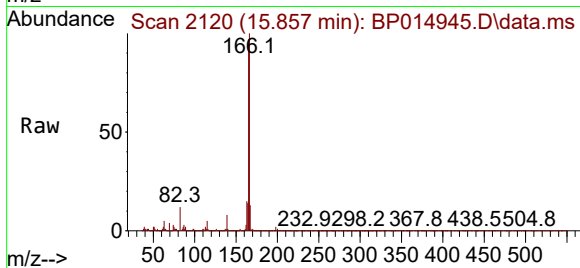
Tgt Ion:166 Resp: 403467

Ion Ratio Lower Upper

166 100

165 97.1 79.3 118.9

167 13.5 10.7 16.1



#72

Phenanthrene

Concen: 106.791 ng/ul

RT: 17.610 min Scan# 2418

Delta R.T. -0.000 min

Lab File: BP014945.D

Acq: 04 May 2023 11:06

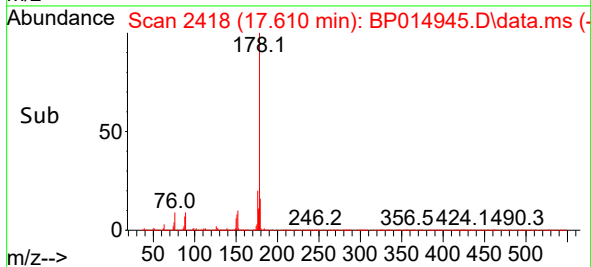
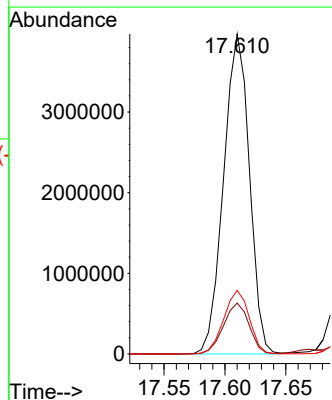
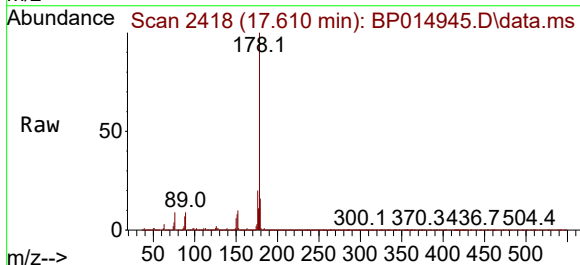
Tgt Ion:178 Resp: 5846905

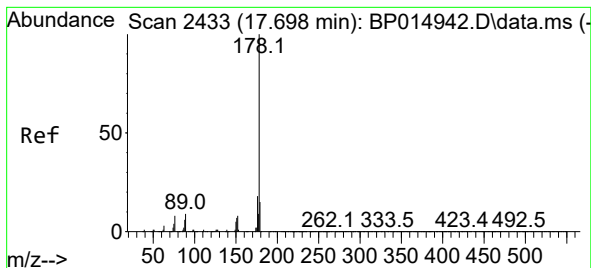
Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.4

176 19.8 15.4 23.0





#74

Anthracene

Concen: 27.027 ng/ul

RT: 17.698 min Scan# 2433

Delta R.T. -0.000 min

Lab File: BP014945.D

Acq: 04 May 2023 11:06

Instrument :

BNA_P

ClientSampleId :

EW936

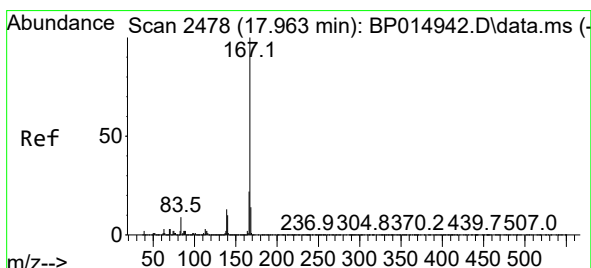
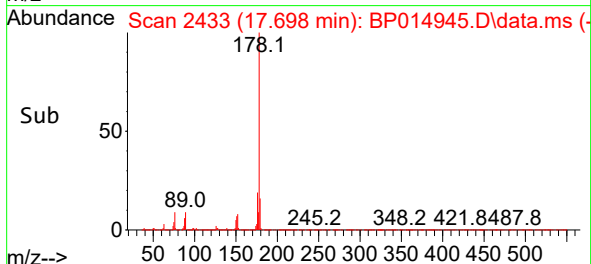
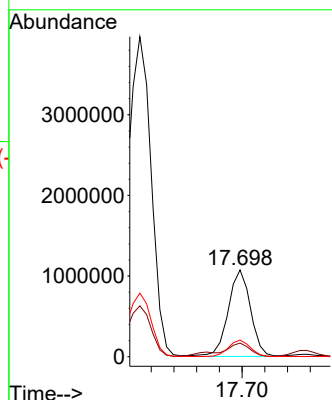
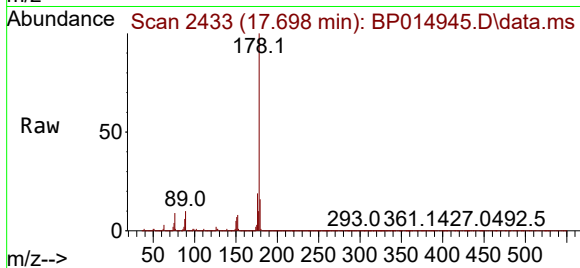
Tgt Ion:178 Resp: 1473252

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

176 19.1 15.0 22.4



#77

Carbazole

Concen: 14.225 ng/ul

RT: 17.957 min Scan# 2477

Delta R.T. -0.006 min

Lab File: BP014945.D

Acq: 04 May 2023 11:06

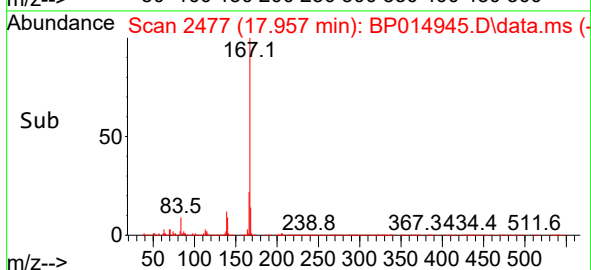
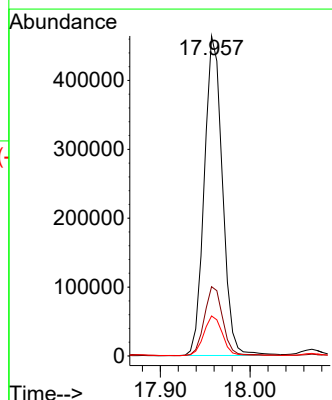
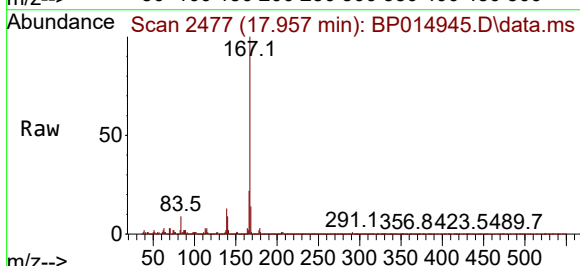
Tgt Ion:167 Resp: 652200

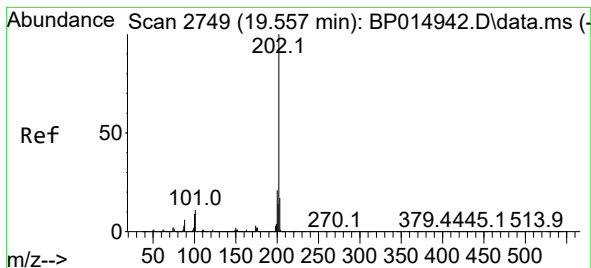
Ion Ratio Lower Upper

167 100

166 21.7 17.1 25.7

139 12.5 10.1 15.1





#80

Fluoranthene

Concen: 120.961 ng/ul

RT: 19.563 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP014945.D

Acq: 04 May 2023 11:06

Instrument :

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EW936

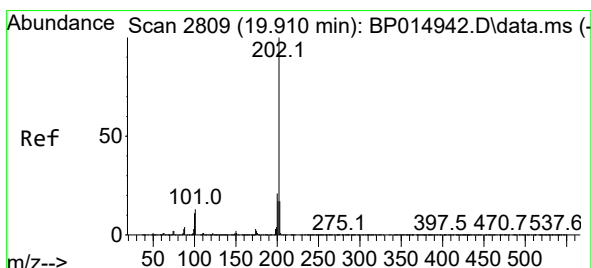
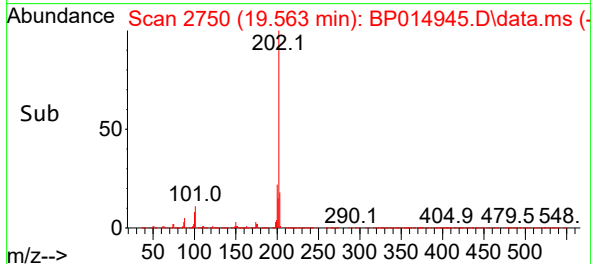
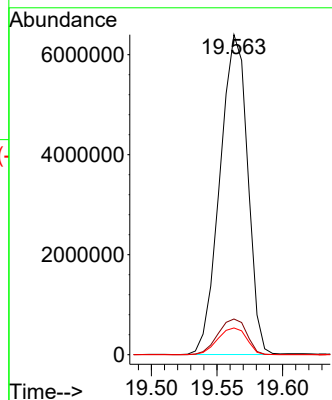
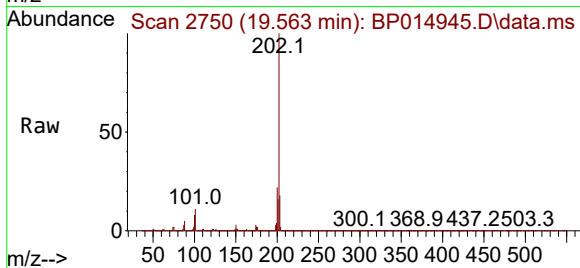
Tgt Ion:202 Resp: 9419489

Ion Ratio Lower Upper

202 100

101 11.2 10.1 15.1

100 8.4 7.7 11.5



#82

Pyrene

Concen: 99.771 ng/ul

RT: 19.916 min Scan# 2810

Delta R.T. 0.006 min

Lab File: BP014945.D

Acq: 04 May 2023 11:06

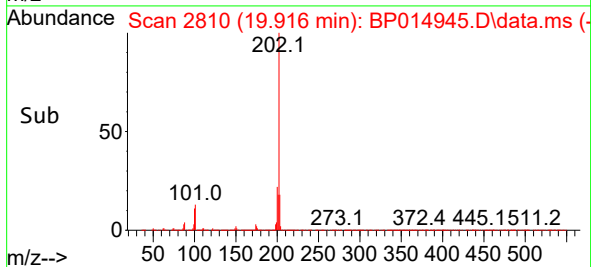
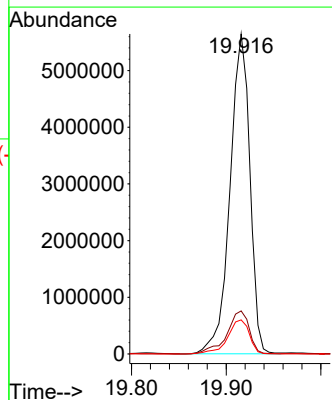
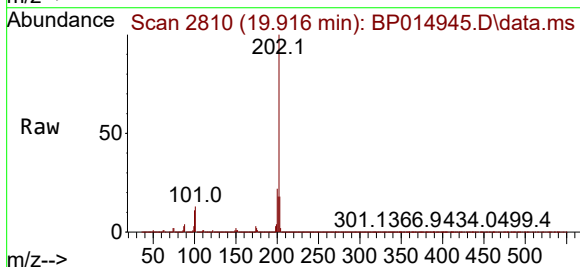
Tgt Ion:202 Resp: 8231475

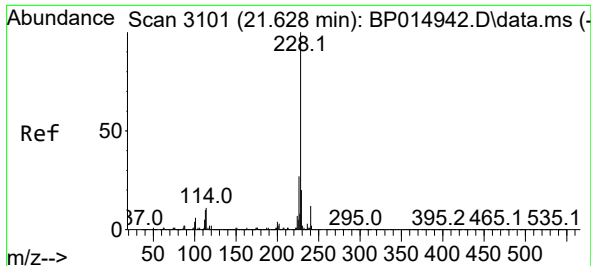
Ion Ratio Lower Upper

202 100

101 13.5 11.9 17.9

100 10.6 9.7 14.5

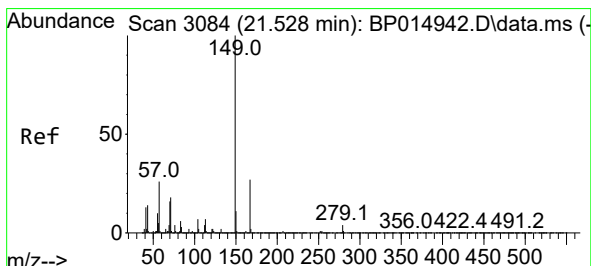
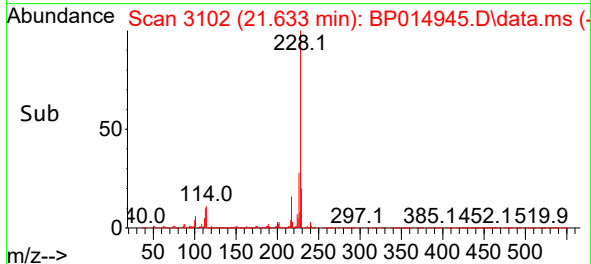
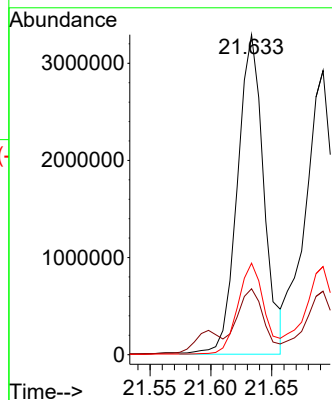
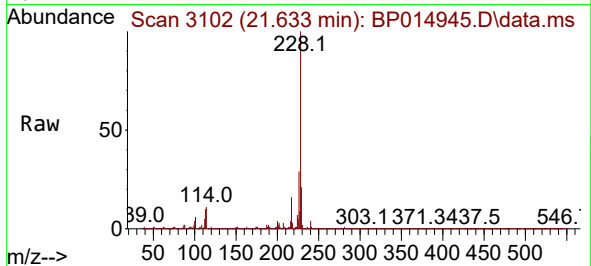




#85
Benzo(a)anthracene
Concen: 78.948 ng/ul
RT: 21.633 min Scan# 3101
Delta R.T. 0.006 min
Lab File: BP014945.D
Acq: 04 May 2023 11:06

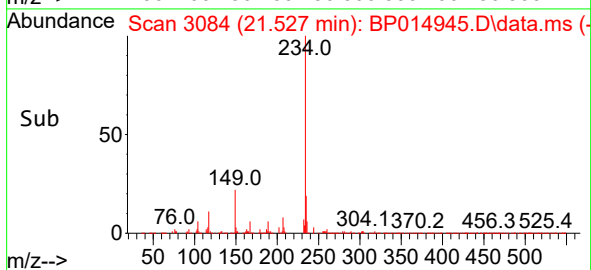
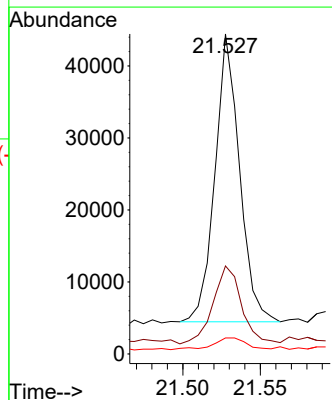
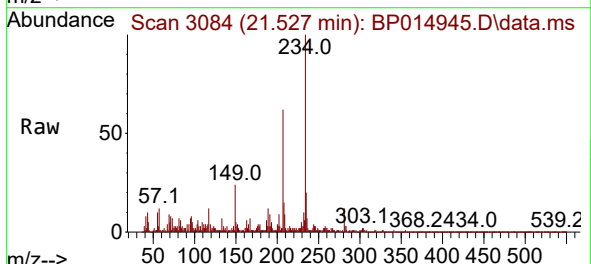
Instrument :
BNA_P
ClientSampleId :
EW936

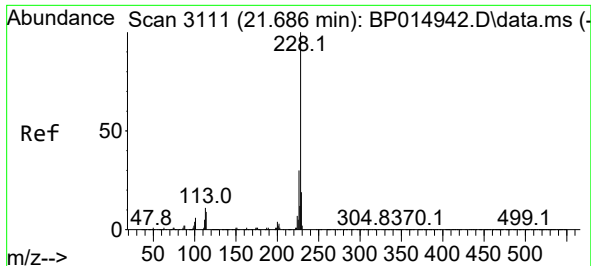
Tgt Ion:228 Resp: 4958338
Ion Ratio Lower Upper
228 100
229 20.6 15.9 23.9
226 28.6 22.1 33.1



#86
Bis(2-ethylhexyl)phthalate
Concen: 1.412 ng/ul
RT: 21.527 min Scan# 3084
Delta R.T. -0.000 min
Lab File: BP014945.D
Acq: 04 May 2023 11:06

Tgt Ion:149 Resp: 44014
Ion Ratio Lower Upper
149 100
167 27.5 22.0 33.0
279 5.0 2.9 4.3

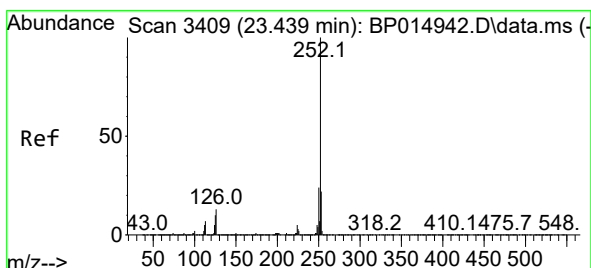
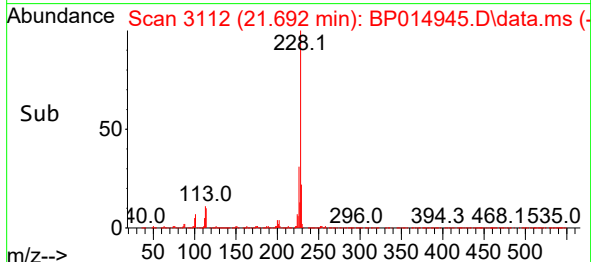
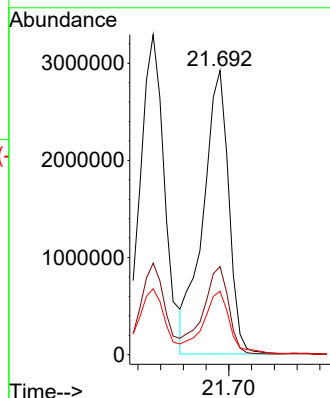
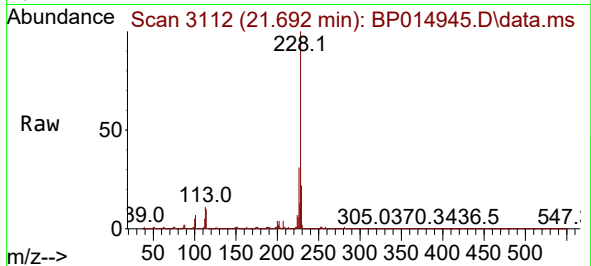




#87
Chrysene
Concen: 72.875 ng/ul
RT: 21.692 min Scan# 3111
Delta R.T. 0.006 min
Lab File: BP014945.D
Acq: 04 May 2023 11:06

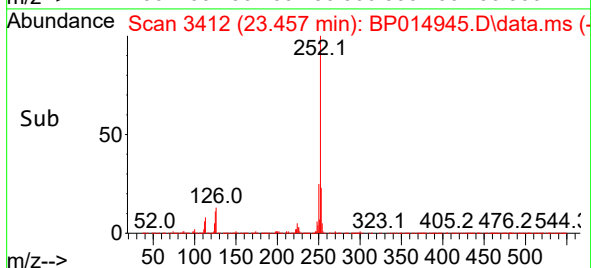
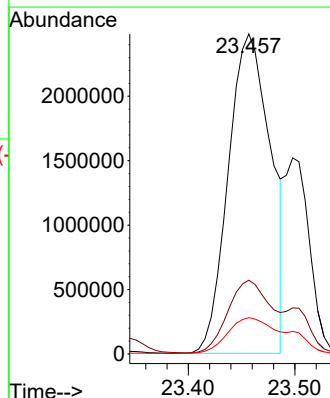
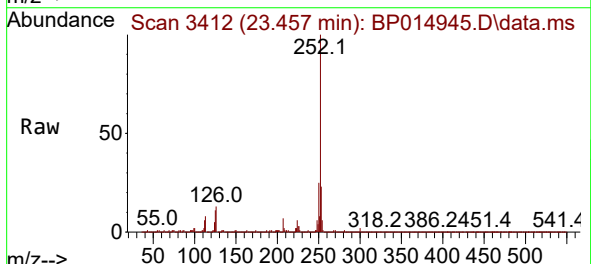
Instrument :
BNA_P
ClientSampleId :
EW936

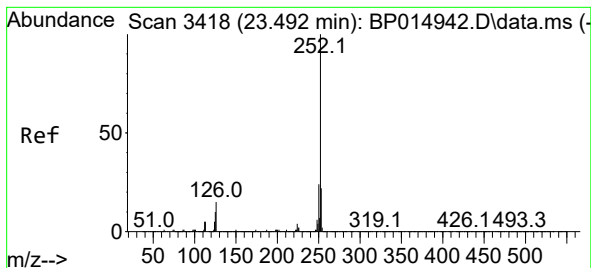
Tgt Ion:228 Resp: 4608476
Ion Ratio Lower Upper
228 100
226 31.0 24.3 36.5
229 22.3 15.8 23.8



#90
Benzo(b)fluoranthene
Concen: 88.313 ng/ul
RT: 23.457 min Scan# 3412
Delta R.T. 0.018 min
Lab File: BP014945.D
Acq: 04 May 2023 11:06

Tgt Ion:252 Resp: 6863621
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 11.4 8.4 12.6





#91

Benzo(k)fluoranthene

Concen: 86.774 ng/ul

RT: 23.457 min Scan# 3418

Delta R.T. -0.035 min

Lab File: BP014945.D

Acq: 04 May 2023 11:06

Instrument :

BNA_P

ClientSampleId :

EW936

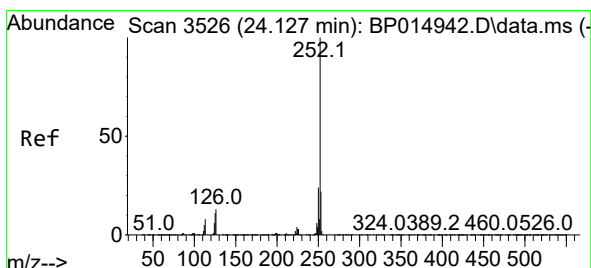
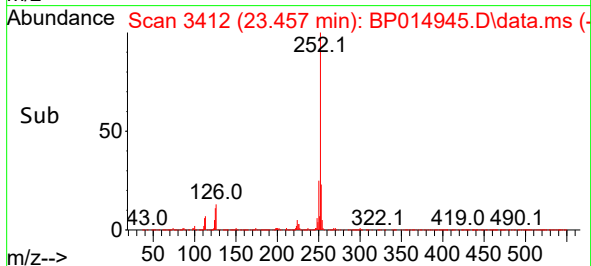
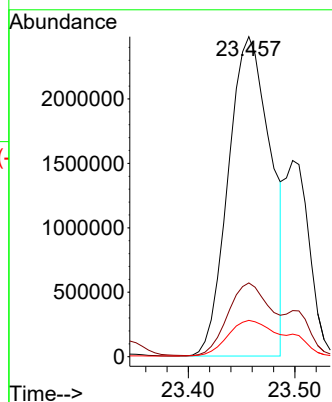
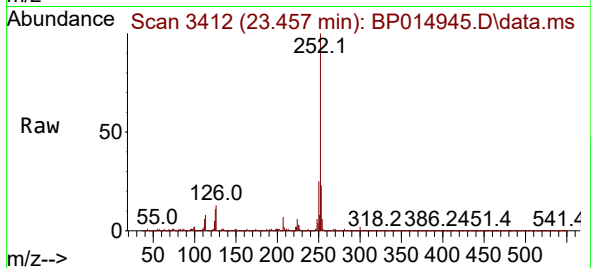
Tgt Ion:252 Resp: 6863621

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 11.4 8.9 13.3



#93

Benzo(a)pyrene

Concen: 73.632 ng/ul

RT: 24.145 min Scan# 3529

Delta R.T. 0.018 min

Lab File: BP014945.D

Acq: 04 May 2023 11:06

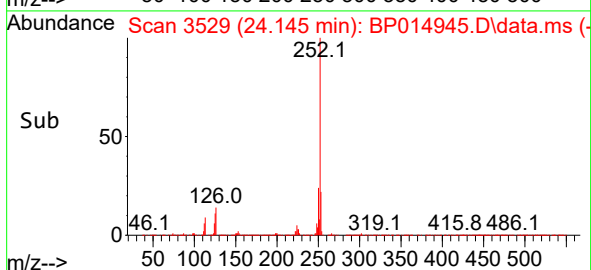
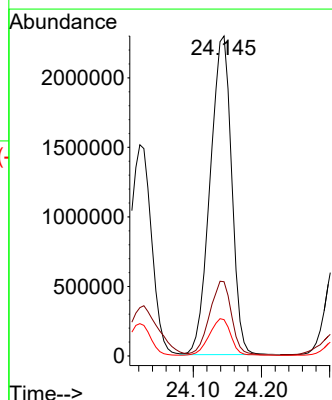
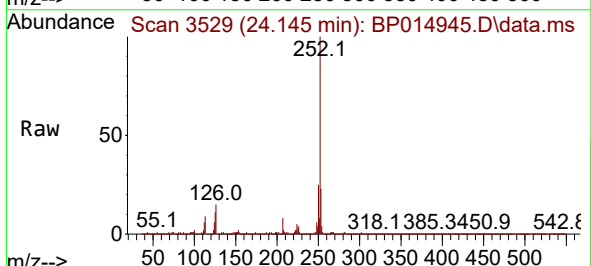
Tgt Ion:252 Resp: 5018751

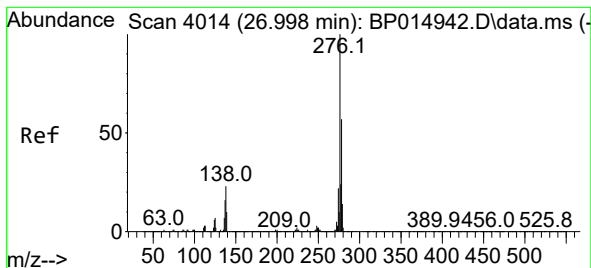
Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 11.4 9.4 14.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 45.769 ng/ul

RT: 27.015 min Scan# 4017

Delta R.T. 0.018 min

Lab File: BP014945.D

Acq: 04 May 2023 11:06

Instrument :

BNA_P

ClientSampleId :

EW936

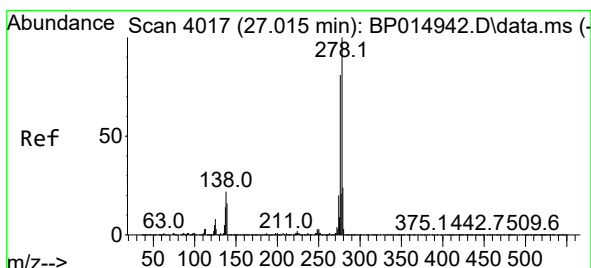
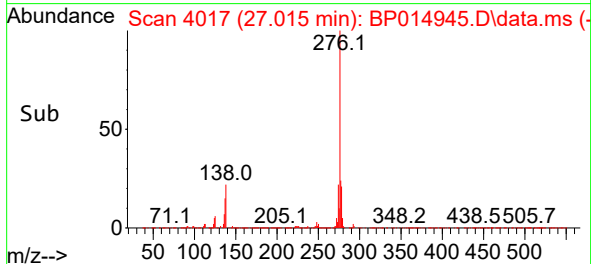
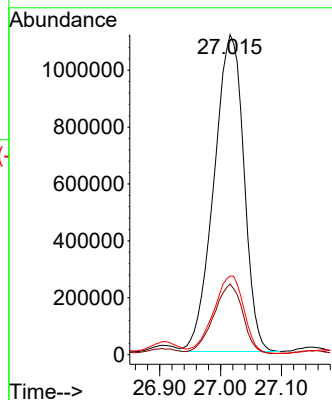
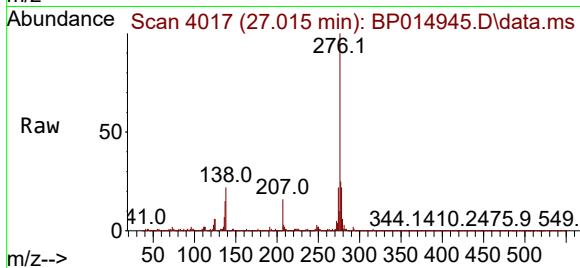
Tgt Ion:276 Resp: 3805309

Ion Ratio Lower Upper

276 100

138 22.0 19.4 29.0

277 24.6 19.4 29.2



#95

Dibenzo(a,h)anthracene

Concen: 13.322 ng/ul

RT: 27.027 min Scan# 4019

Delta R.T. 0.012 min

Lab File: BP014945.D

Acq: 04 May 2023 11:06

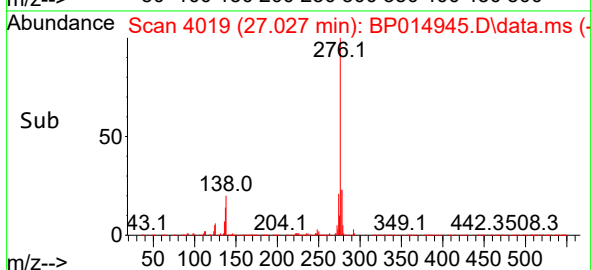
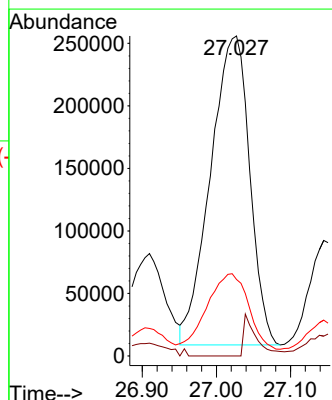
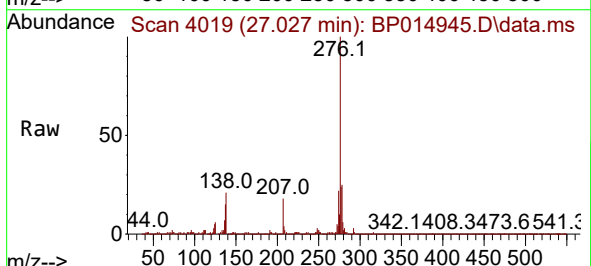
Tgt Ion:278 Resp: 907813

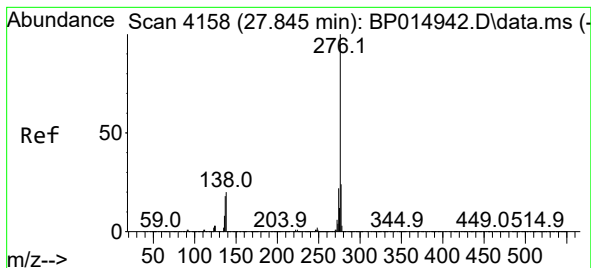
Ion Ratio Lower Upper

278 100

139 0.0 12.9 19.3#

279 23.9 19.0 28.6





#96

Benzo(g,h,i)perylene

Concen: 47.343 ng/ul

RT: 27.874 min Scan# 41

Delta R.T. 0.029 min

Lab File: BP014945.D

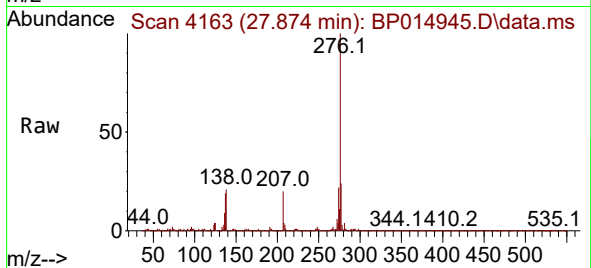
Acq: 04 May 2023 11:06

Instrument :

BNA_P

ClientSampleId :

EW936



Tgt Ion:276 Resp: 3350045

Ion Ratio Lower Upper

276 100

138 21.5 18.0 27.0

277 24.0 19.8 29.8

