

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
 Data File : BP011465.D
 Acq On : 17 Aug 2022 16:31
 Operator : CG/JU
 Sample : N4173-12DL2 30X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 17 23:30:08 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	7.564	152	111271	20.000	ng/u1	0.00
20) Naphthalene-d8	10.352	136	487304	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.240	164	274565	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.010	188	537660	20.000	ng/u1	0.00
79) Chrysene-d12	21.145	240	478015	20.000	ng/u1	0.01
88) Perylene-d12	23.445	264	515908	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.075	96	428	0.119	ng/uL	0.00
4) Pyridine-d5	3.493	84	312	0.034	ng/u1	0.01
7) Phenol-d5	6.752	99	8116	0.794	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.916	67	5085	0.765	ng/u1	0.00
11) 2-Chlorophenol-d4	7.093	132	7443	0.990	ng/u1	0.00
15) 4-Methylphenol-d8	8.287	113	6647	0.812	ng/u1	0.00
21) Nitrobenzene-d5	8.734	128	3306	0.942	ng/u1	0.00
24) 2-Nitrophenol-d4	9.446	143	3085	0.864	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.987	165	5538	0.840	ng/u1	0.01
31) 4-Chloroaniline-d4	10.516	131	7218	0.658	ng/u1	0.02
46) Dimethylphthalate-d6	13.663	166	19777	1.018	ng/u1	0.00
49) Acenaphthylene-d8	13.928	160	22523	1.044	ng/u1	0.00
54) 4-Nitrophenol-d4	14.493	143	812	0.217	ng/u1	0.03
60) Fluorene-d10	15.240	176	17093	1.046	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.393	200	1018	0.350	ng/u1	0.02
73) Anthracene-d10	17.110	188	27496	1.155	ng/u1	0.00
81) Pyrene-d10	19.375	212	28232	1.167	ng/u1	0.01
92) Benzo(a)pyrene-d12	23.292	264	29187	1.163	ng/u1	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.405	128	256980	9.988	ng/u1	98
36) 2-Methylnaphthalene	12.028	142	42065	2.513	ng/u1	97
37) 1-Methylnaphthalene	12.251	142	31994	1.884	ng/u1	96
50) Acenaphthylene	13.957	152	124757	4.865	ng/u1	97
56) Dibenzofuran	14.640	168	114376	4.829	ng/u1	97
61) Fluorene	15.298	166	65230	3.367	ng/u1#	98
72) Phenanthrene	17.051	178	1109747	38.133	ng/u1	99
74) Anthracene	17.145	178	210034	7.154	ng/u1	99
77) Carbazole	17.428	167	86045	3.116	ng/u1	100
80) Fluoranthene	19.051	202	1886442	63.427	ng/u1	98
82) Pyrene	19.404	202	1560712	49.941	ng/u1	100
83) Butylbenzylphthalate	20.304	149	18963	1.353	ng/u1#	22
85) Benzo(a)anthracene	21.127	228	799578	27.455	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.033	149	44320	2.136	ng/u1#	73
87) Chrysene	21.180	228	709471	24.799	ng/u1	98
90) Benzo(b)fluoranthene	22.792	252	331180	10.320	ng/u1	95
91) Benzo(k)fluoranthene	22.792	252	330015	10.776	ng/u1	97
93) Benzo(a)pyrene	23.345	252	665778	21.250	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	25.821	276	602471	17.240	ng/u1	97
95) Dibenzo(a,h)anthracene	25.821	278	128786	4.280	ng/u1#	76
96) Benzo(g,h,i)perylene	26.551	276	474591	15.965	ng/u1	98

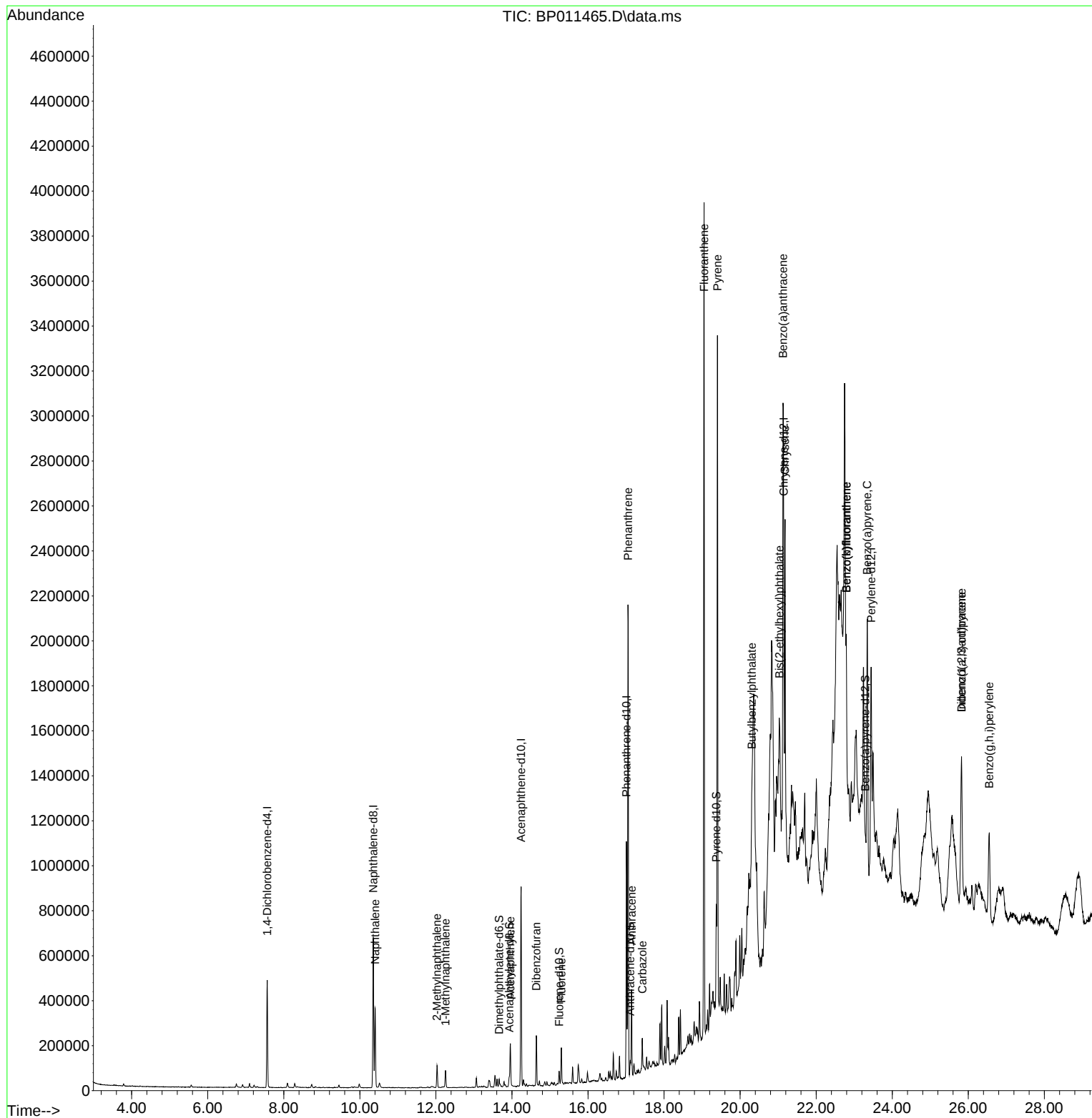
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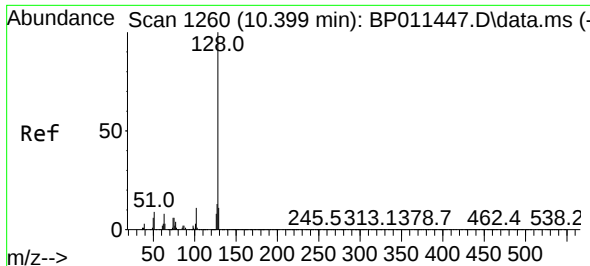
Instrument :
BNA_P
ClientSampleId :

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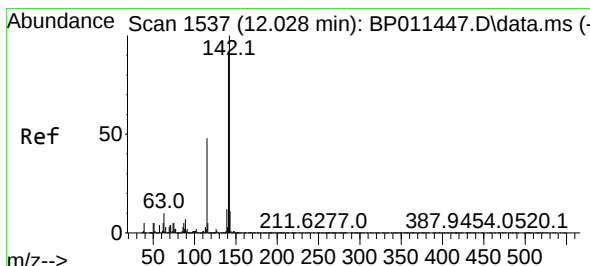
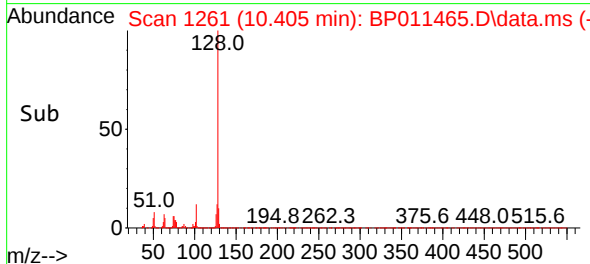
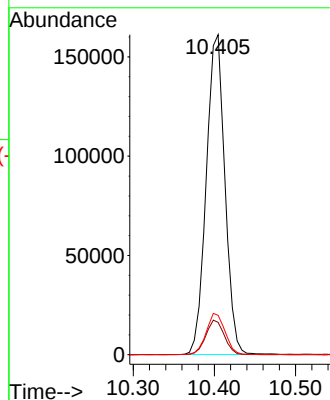
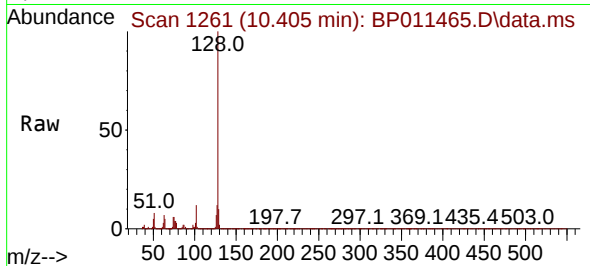




#30
Naphthalene
Concen: 9.988 ng/ul
RT: 10.405 min Scan# 1260
Delta R.T. 0.006 min
Lab File: BP011465.D
Acq: 17 Aug 2022 16:31

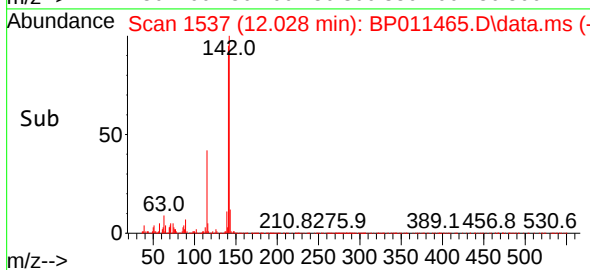
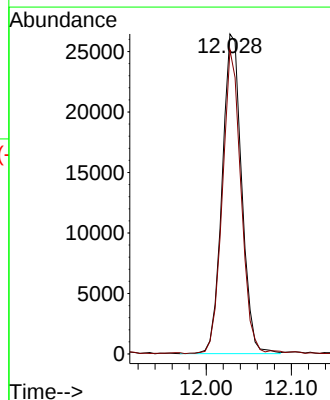
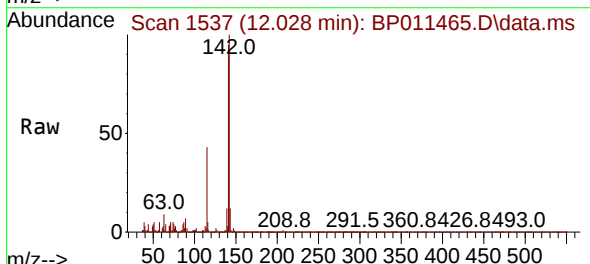
Instrument :
BNA_P
ClientSampleId :

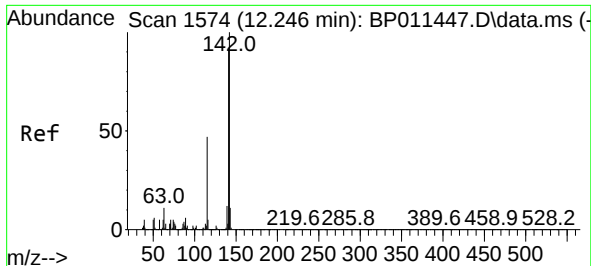
Tgt Ion:128 Resp: 256980
Ion Ratio Lower Upper
128 100
129 10.1 9.0 13.6
127 12.3 10.3 15.5



#36
2-Methylnaphthalene
Concen: 2.513 ng/ul
RT: 12.028 min Scan# 1537
Delta R.T. -0.000 min
Lab File: BP011465.D
Acq: 17 Aug 2022 16:31

Tgt Ion:142 Resp: 42065
Ion Ratio Lower Upper
142 100
141 95.0 73.4 110.0

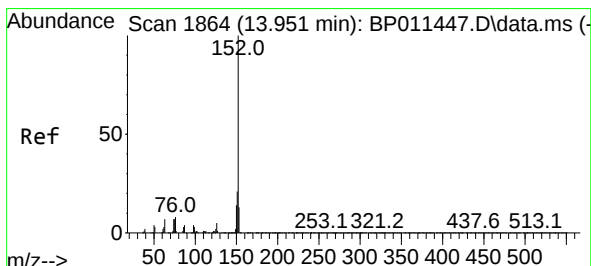
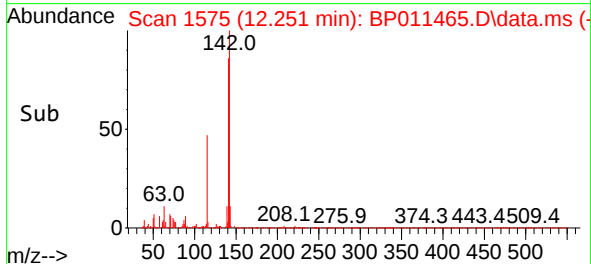
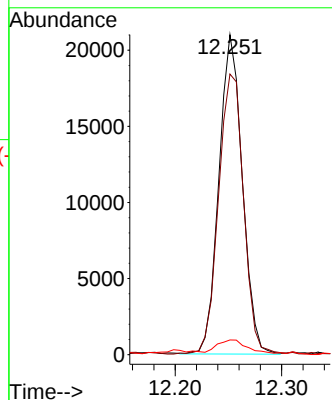
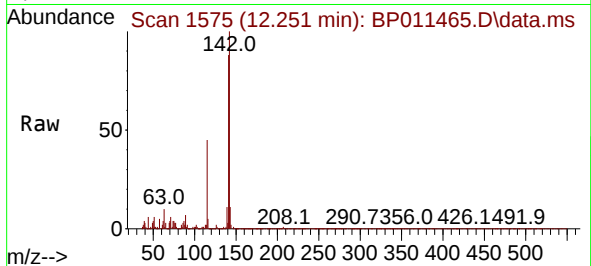




#37
1-Methylnaphthalene
Concen: 1.884 ng/ul
RT: 12.251 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP011465.D
Acq: 17 Aug 2022 16:31

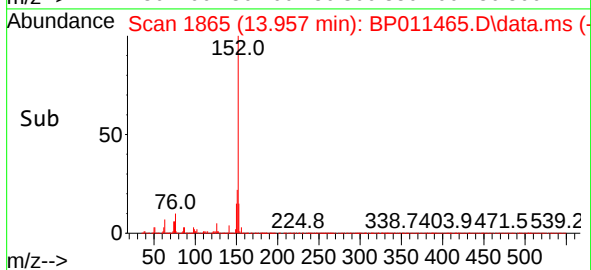
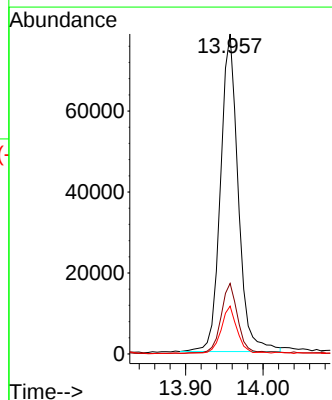
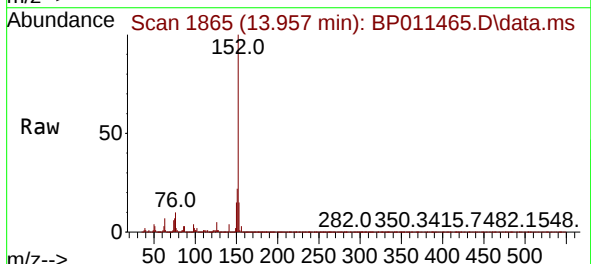
Instrument :
BNA_P
ClientSampleId :

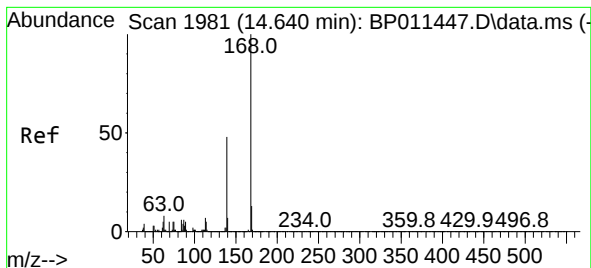
Tgt Ion:142 Resp: 31994
Ion Ratio Lower Upper
142 100
141 87.7 73.0 109.6
116 4.6 4.0 6.0



#50
Acenaphthylene
Concen: 4.865 ng/ul
RT: 13.957 min Scan# 1865
Delta R.T. 0.006 min
Lab File: BP011465.D
Acq: 17 Aug 2022 16:31

Tgt Ion:152 Resp: 124757
Ion Ratio Lower Upper
152 100
151 22.1 16.9 25.3
153 14.9 10.6 15.8

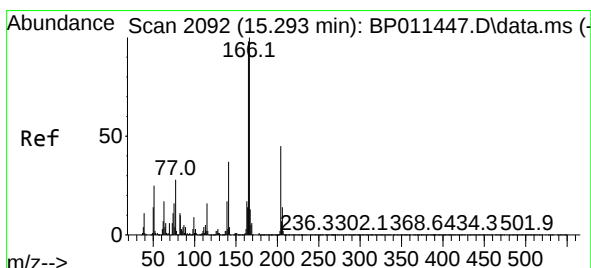
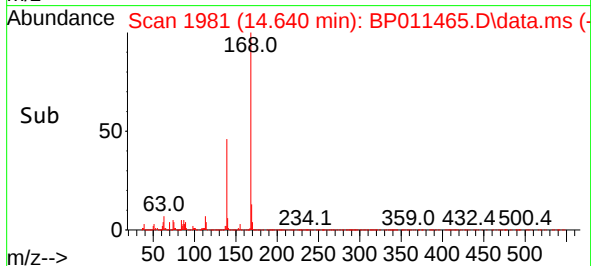
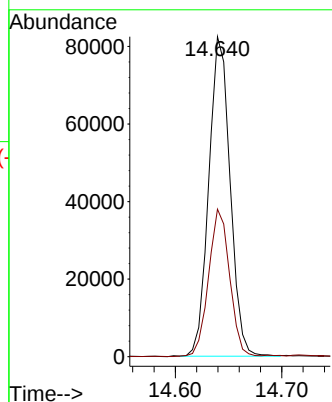
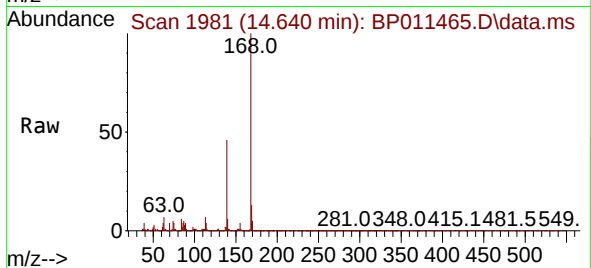




#56
Dibenzenofuran
Concen: 4.829 ng/ul
RT: 14.640 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BP011465.D
Acq: 17 Aug 2022 16:31

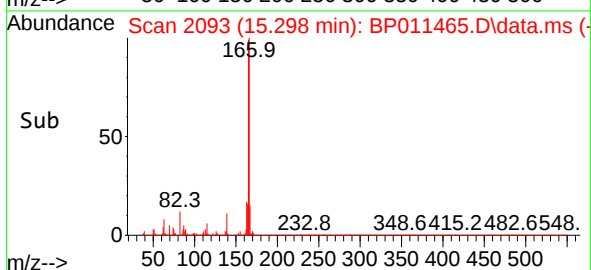
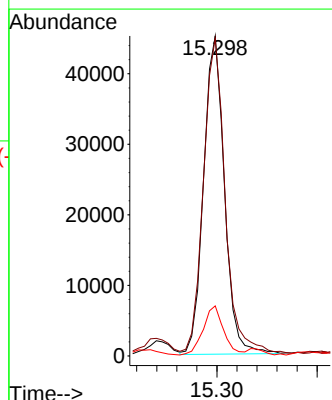
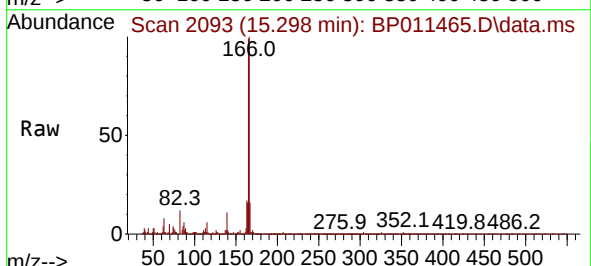
Instrument :
BNA_P
ClientSampleId :

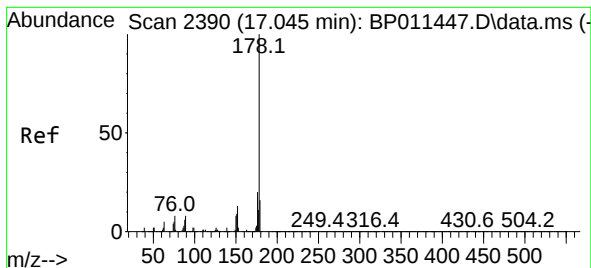
Tgt Ion:168 Resp: 114376
Ion Ratio Lower Upper
168 100
139 46.1 38.4 57.6



#61
Fluorene
Concen: 3.367 ng/ul
RT: 15.298 min Scan# 2093
Delta R.T. 0.006 min
Lab File: BP011465.D
Acq: 17 Aug 2022 16:31

Tgt Ion:166 Resp: 65230
Ion Ratio Lower Upper
166 100
165 99.3 78.2 117.2
167 15.6 10.3 15.5#





#72

Phenanthrene

Concen: 38.133 ng/ul

RT: 17.051 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP011465.D

Acq: 17 Aug 2022 16:31

Instrument :

BNA_P

ClientSampleId :

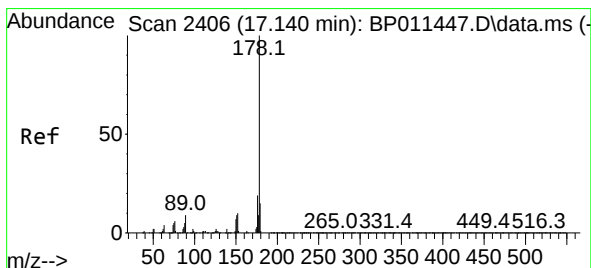
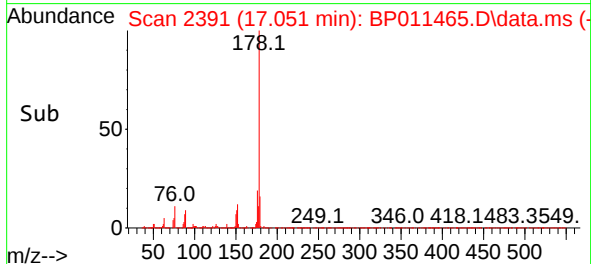
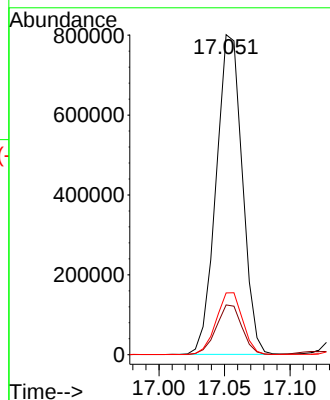
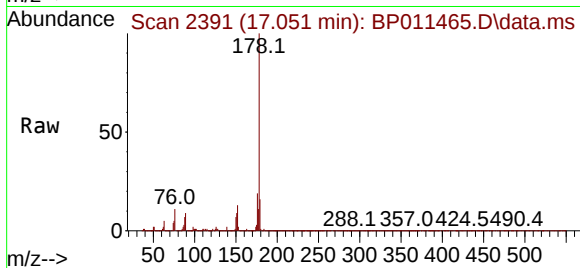
Tgt Ion:178 Resp: 1109747

Ion Ratio Lower Upper

178 100

179 15.5 12.6 18.8

176 19.3 15.8 23.8



#74

Anthracene

Concen: 7.154 ng/ul

RT: 17.145 min Scan# 2407

Delta R.T. 0.006 min

Lab File: BP011465.D

Acq: 17 Aug 2022 16:31

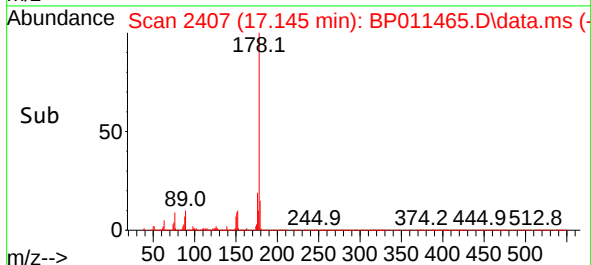
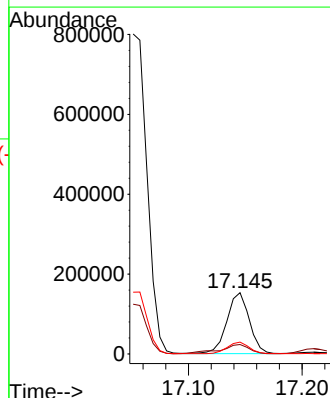
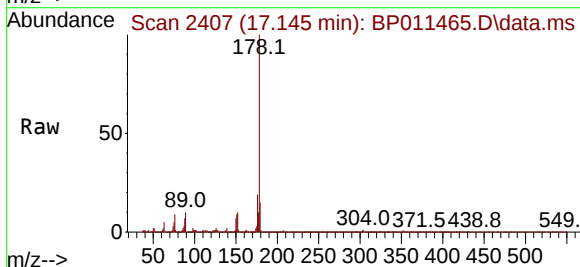
Tgt Ion:178 Resp: 210034

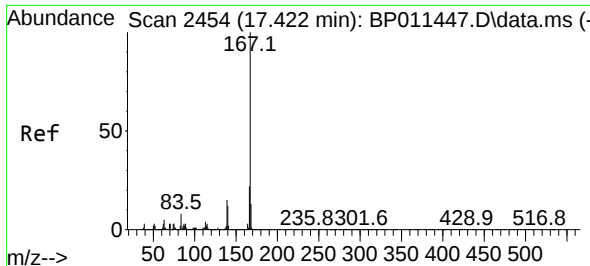
Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

176 19.4 15.4 23.0

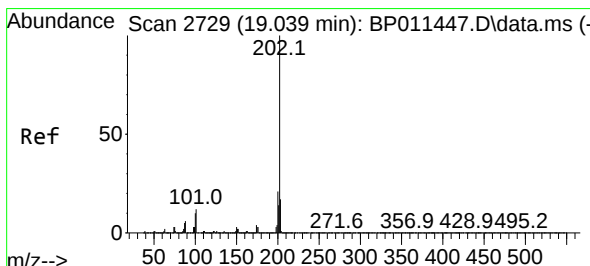
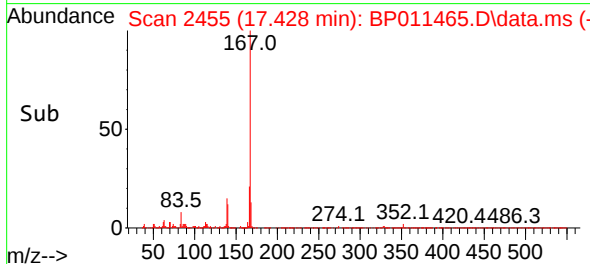
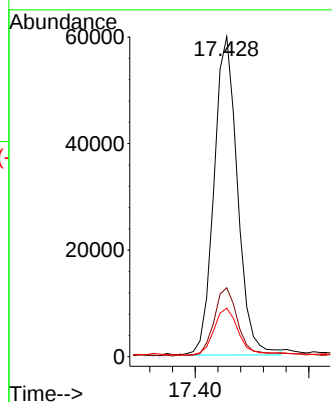
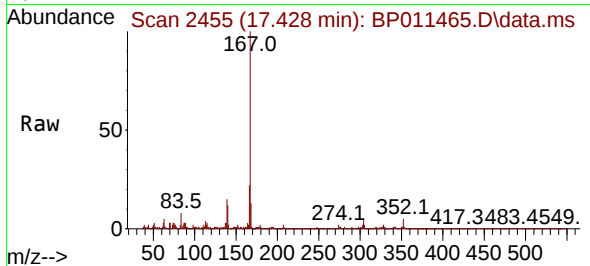




#77
 Carbazole
 Concen: 3.116 ng/ul
 RT: 17.428 min Scan# 2454
 Delta R.T. 0.006 min
 Lab File: BP011465.D
 Acq: 17 Aug 2022 16:31

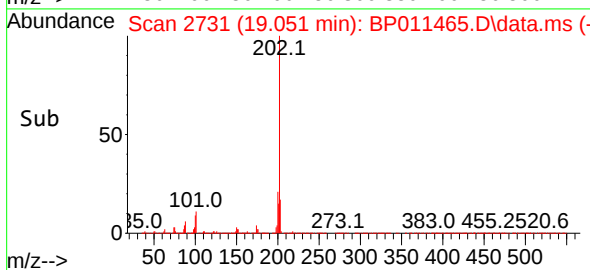
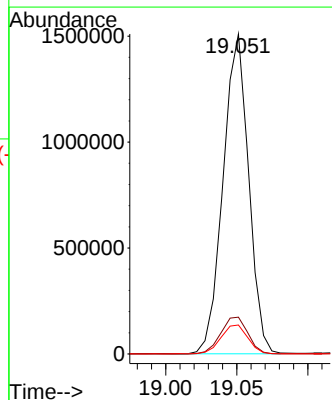
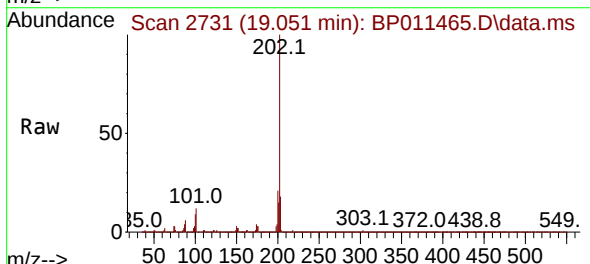
Instrument :
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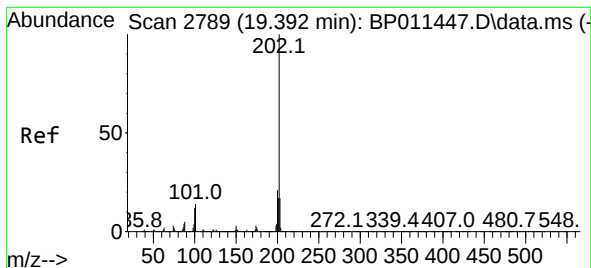
Tgt Ion:167 Resp: 86045
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.5 26.3
 139 15.2 12.1 18.1



#80
 Fluoranthene
 Concen: 63.427 ng/ul
 RT: 19.051 min Scan# 2731
 Delta R.T. 0.012 min
 Lab File: BP011465.D
 Acq: 17 Aug 2022 16:31

Tgt Ion:202 Resp: 1886442
 Ion Ratio Lower Upper
 202 100
 101 11.5 9.5 14.3
 100 9.0 7.9 11.9





#82

Pyrene

Concen: 49.941 ng/ul

RT: 19.404 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP011465.D

Acq: 17 Aug 2022 16:31

Instrument :

BNA_P

ClientSampleId :

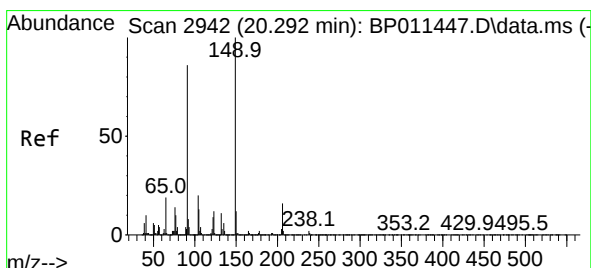
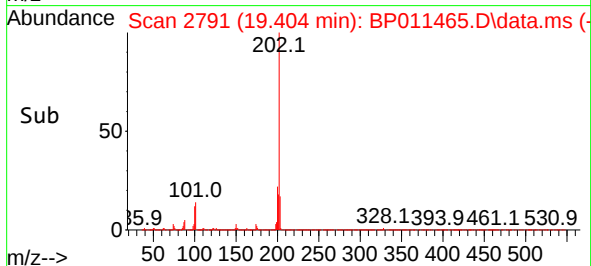
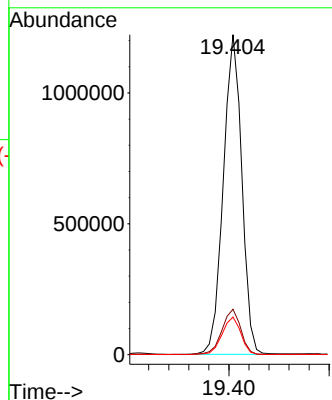
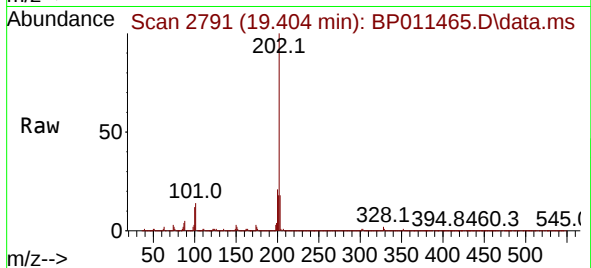
Tgt Ion:202 Resp: 1560712

Ion Ratio Lower Upper

202 100

101 14.2 11.4 17.2

100 11.8 9.4 14.0



#83

Butylbenzylphthalate

Concen: 1.353 ng/ul

RT: 20.304 min Scan# 2944

Delta R.T. 0.012 min

Lab File: BP011465.D

Acq: 17 Aug 2022 16:31

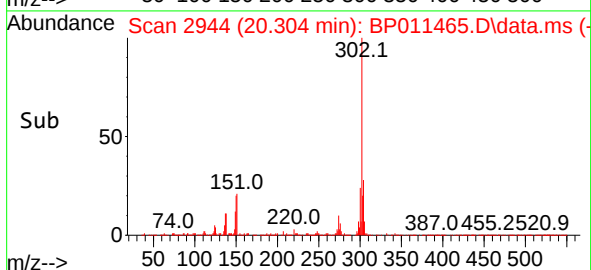
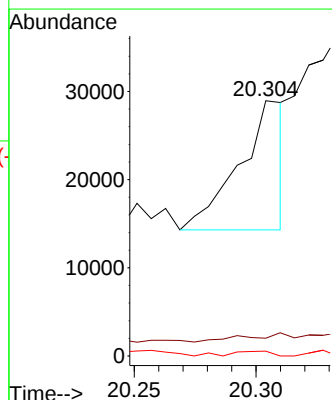
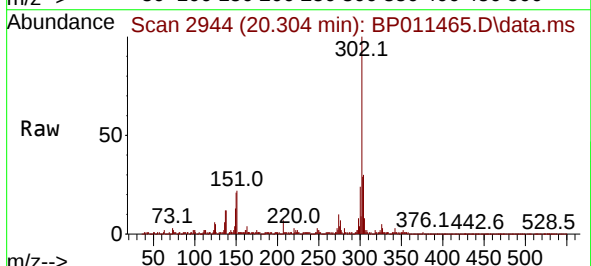
Tgt Ion:149 Resp: 18963

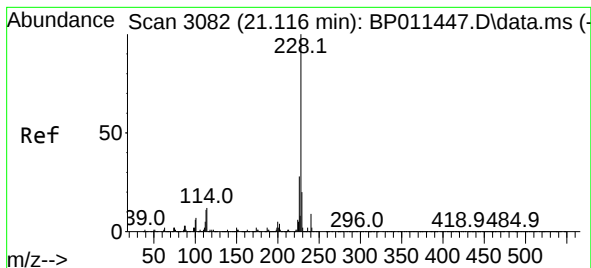
Ion Ratio Lower Upper

149 100

91 7.0 68.5 102.7#

206 1.9 12.6 18.8#





#85

Benzo(a)anthracene

Concen: 27.455 ng/ul

RT: 21.127 min Scan# 3082

Delta R.T. 0.012 min

Lab File: BP011465.D

Acq: 17 Aug 2022 16:31

Instrument :

BNA_P

ClientSampleId :

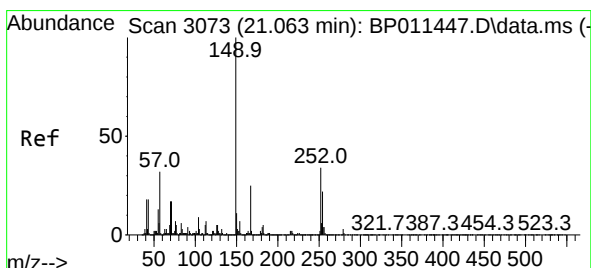
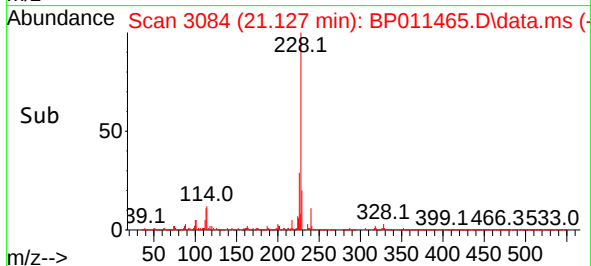
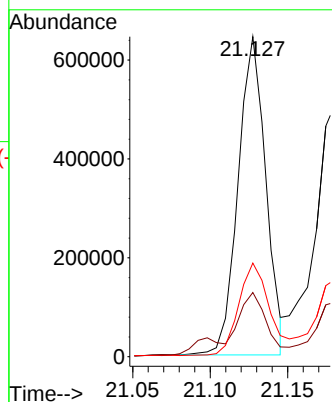
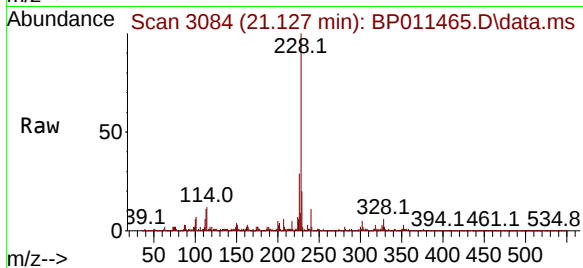
Tgt Ion:228 Resp: 799578

Ion Ratio Lower Upper

228 100

229 20.1 16.0 24.0

226 29.3 22.6 33.8



#86

Bis(2-ethylhexyl)phthalate

Concen: 2.136 ng/ul

RT: 21.033 min Scan# 3068

Delta R.T. -0.029 min

Lab File: BP011465.D

Acq: 17 Aug 2022 16:31

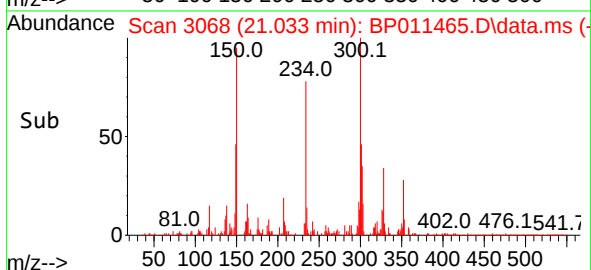
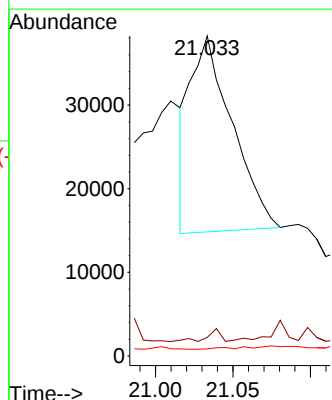
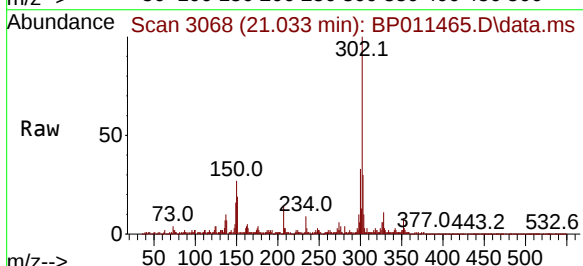
Tgt Ion:149 Resp: 44320

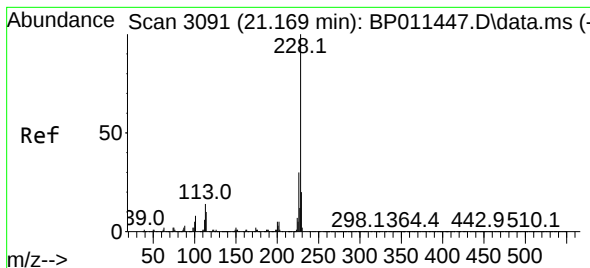
Ion Ratio Lower Upper

149 100

167 9.8 19.8 29.8#

279 2.2 2.7 4.1#





#87

Chrysene

Concen: 24.799 ng/ul

RT: 21.180 min Scan# 3091

Delta R.T. 0.012 min

Lab File: BP011465.D

Acq: 17 Aug 2022 16:31

Instrument :

BNA_P

ClientSampleId :

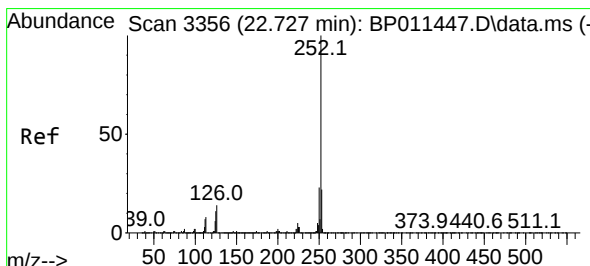
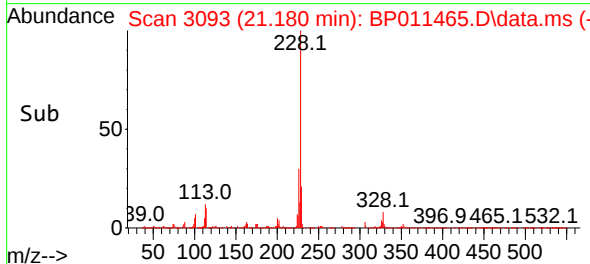
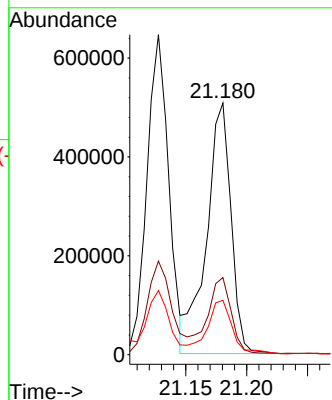
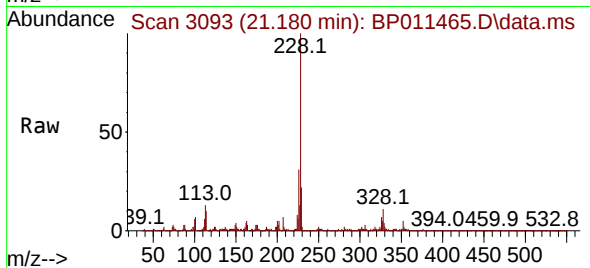
Tgt Ion:228 Resp: 709471

Ion Ratio Lower Upper

228 100

226 30.6 23.9 35.9

229 21.6 16.0 24.0



#90

Benzo(b)fluoranthene

Concen: 10.320 ng/ul

RT: 22.792 min Scan# 3367

Delta R.T. 0.065 min

Lab File: BP011465.D

Acq: 17 Aug 2022 16:31

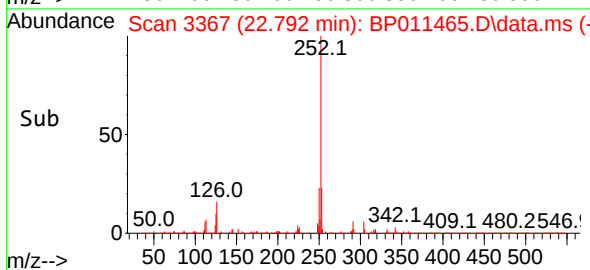
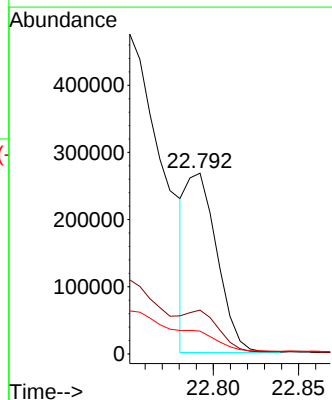
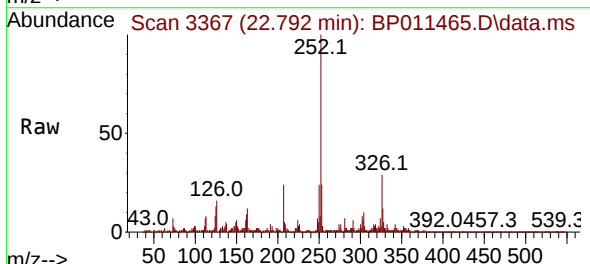
Tgt Ion:252 Resp: 331180

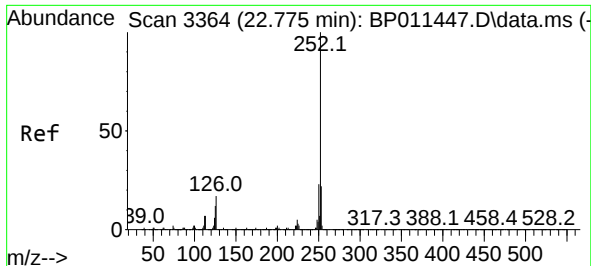
Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

125 12.7 9.0 13.4

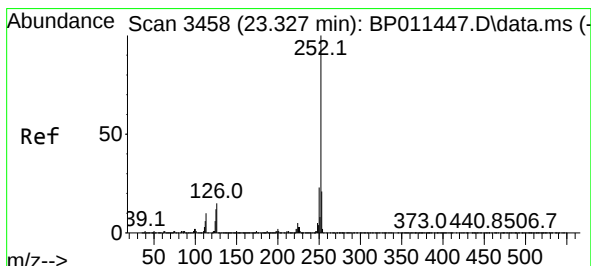
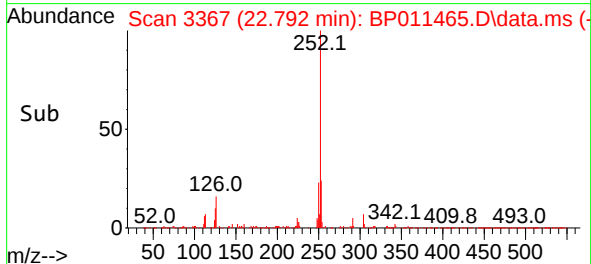
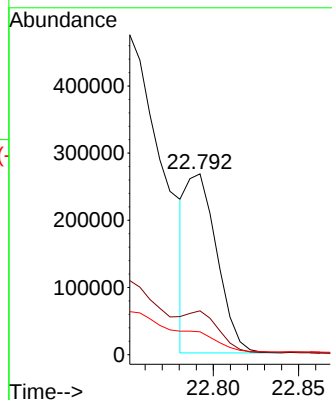
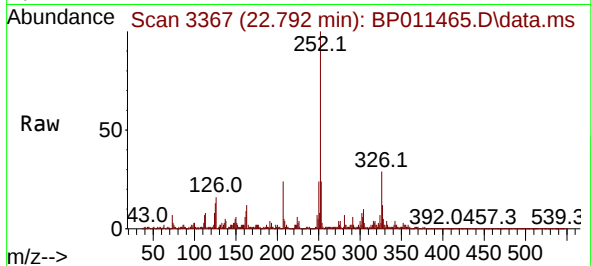




#91
Benzo(k)fluoranthene
Concen: 10.776 ng/ul
RT: 22.792 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP011465.D
Acq: 17 Aug 2022 16:31

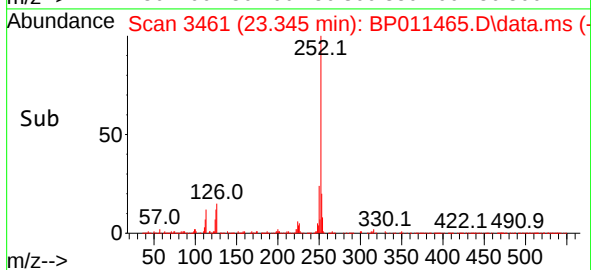
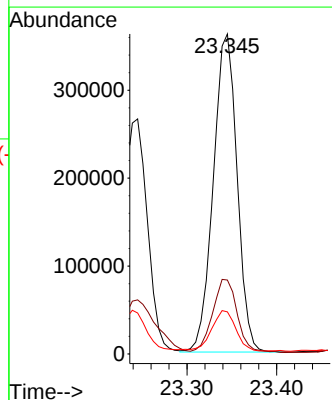
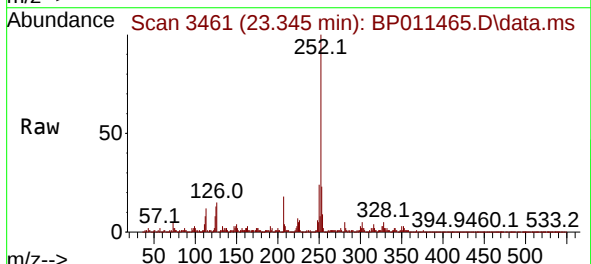
Instrument :
BNA_P
ClientSampleId :

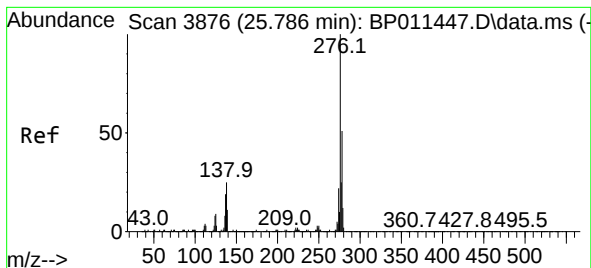
Tgt Ion:252 Resp: 330015
Ion Ratio Lower Upper
252 100
253 24.2 17.9 26.9
125 12.7 9.8 14.8



#93
Benzo(a)pyrene
Concen: 21.250 ng/ul
RT: 23.345 min Scan# 3461
Delta R.T. 0.018 min
Lab File: BP011465.D
Acq: 17 Aug 2022 16:31

Tgt Ion:252 Resp: 665778
Ion Ratio Lower Upper
252 100
253 23.1 16.8 25.2
125 13.2 9.9 14.9





#94

Indeno(1,2,3-cd)pyrene

Concen: 17.240 ng/ul

RT: 25.821 min Scan# 3882

Delta R.T. 0.035 min

Lab File: BP011465.D

Acq: 17 Aug 2022 16:31

Instrument :

BNA_P

ClientSampleId :

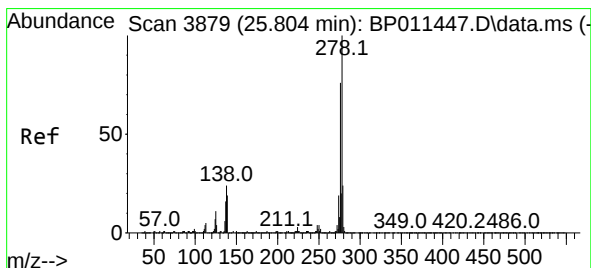
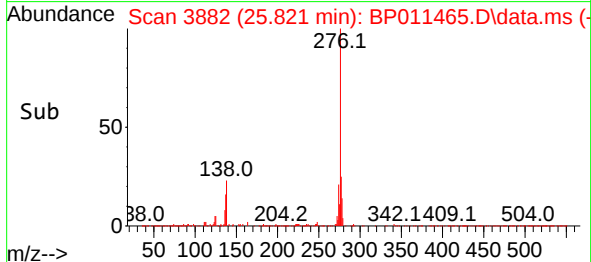
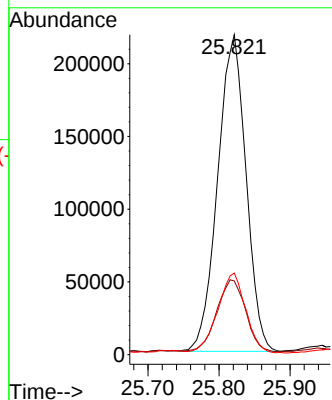
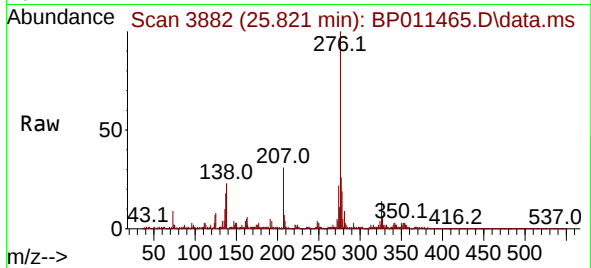
Tgt Ion:276 Resp: 602471

Ion Ratio Lower Upper

276 100

138 23.0 20.2 30.4

277 25.5 20.1 30.1



#95

Dibenzo(a,h)anthracene

Concen: 4.280 ng/ul

RT: 25.821 min Scan# 3882

Delta R.T. 0.018 min

Lab File: BP011465.D

Acq: 17 Aug 2022 16:31

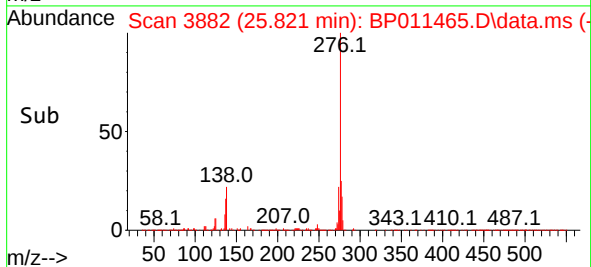
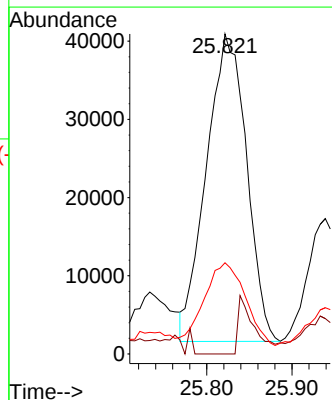
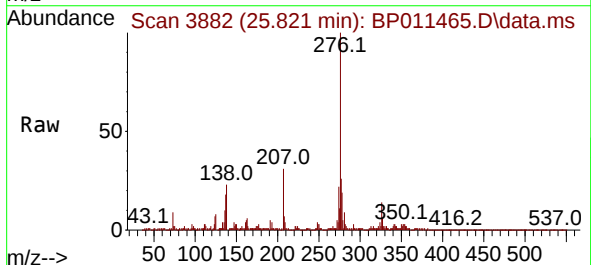
Tgt Ion:278 Resp: 128786

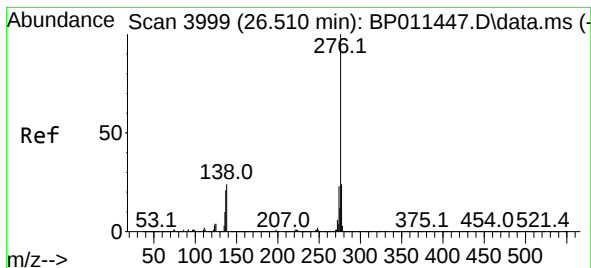
Ion Ratio Lower Upper

278 100

139 0.0 15.4 23.0#

279 28.5 19.3 28.9





#96

Benzo(g,h,i)perylene

Concen: 15.965 ng/ul

RT: 26.551 min Scan# 4006

Delta R.T. 0.041 min

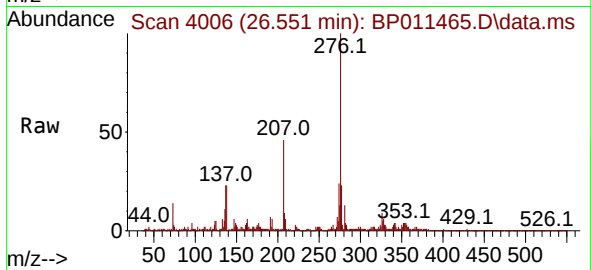
Lab File: BP011465.D

Acq: 17 Aug 2022 16:31

Instrument :

BNA_P

ClientSampleId :



Tgt Ion:276 Resp: 474591

Ion Ratio Lower Upper

276 100

138 23.3 19.4 29.2

277 22.9 19.1 28.7

