

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061923\
 Data File : BP015609.D
 Acq On : 19 Jun 2023 18:21
 Operator : MA/JU
 Sample : 03080-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFJ3

Quant Time: Jun 19 22:27:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 15 05:36:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.087	152	80975	20.000	ng/ul	0.00
20) Naphthalene-d8	10.910	136	376900	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.728	164	249524	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.481	188	552437	20.000	ng/ul	0.00
79) Chrysene-d12	21.569	240	386694	20.000	ng/ul	0.00
88) Perylene-d12	24.121	264	415242	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.405	96	13259	6.063	ng/uL	0.00
4) Pyridine-d5	3.852	84	145758	25.661	ng/ul	0.00
7) Phenol-d5	7.246	99	331042	44.376	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.405	67	200087	44.911	ng/ul	0.00
11) 2-Chlorophenol-d4	7.611	132	267486	49.455	ng/ul	0.00
15) 4-Methylphenol-d8	8.805	113	253495	41.404	ng/ul	0.00
21) Nitrobenzene-d5	9.263	128	135648	45.842	ng/ul	0.00
24) 2-Nitrophenol-d4	9.987	143	156552	46.328	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.534	165	279050	45.269	ng/ul	0.00
31) 4-Chloroaniline-d4	11.063	131	118821	13.429	ng/ul	0.00
46) Dimethylphthalate-d6	14.134	166	917215	46.615	ng/ul	0.00
49) Acenaphthylene-d8	14.422	160	1054207	48.998	ng/ul	0.00
54) 4-Nitrophenol-d4	14.945	143	107596	30.536	ng/ul	0.01
60) Fluorene-d10	15.722	176	793848	47.843	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.851	200	122428	34.982	ng/ul	0.00
73) Anthracene-d10	17.581	188	1243903	49.489	ng/ul	0.00
81) Pyrene-d10	19.810	212	1327879	64.160	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.957	264	1031661	49.515	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.963	128	48997	2.399	ng/ul	96
36) 2-Methylnaphthalene	12.563	142	15044	1.048	ng/ul	98
50) Acenaphthylene	14.451	152	204303	8.575	ng/ul	98
52) Acenaphthene	14.793	153	31242	1.897	ng/ul	98
56) Dibenzofuran	15.128	168	27904	1.195	ng/ul	98
61) Fluorene	15.775	166	30866	1.622	ng/ul#	95
72) Phenanthrene	17.528	178	968799	32.679	ng/ul	100
74) Anthracene	17.616	178	280099	9.312	ng/ul	98
77) Carbazole	17.887	167	152226	5.620	ng/ul	97
78) Di-n-butylphthalate	18.416	149	66571	1.937	ng/ul#	96
80) Fluoranthene	19.486	202	3163229	125.474	ng/ul	97
82) Pyrene	19.839	202	2921759	112.022	ng/ul	97
83) Butylbenzylphthalate	20.686	149	32411	2.812	ng/ul	94
85) Benzo(a)anthracene	21.551	228	1542579	57.063	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.445	149	336815	19.767	ng/ul	98
87) Chrysene	21.610	228	1813065	70.956	ng/ul	96
89) Di-n-octyl phthalate	22.416	149	27673	1.014	ng/ul	100
90) Benzo(b)fluoranthene	23.345	252	3484141	129.986	ng/ul	99
91) Benzo(k)fluoranthene	23.345	252	3484141	134.470	ng/ul	99
93) Benzo(a)pyrene	24.010	252	2127168	91.025	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.827	276	1893499	62.608	ng/ul	96
95) Dibenzo(a,h)anthracene	26.827	278	473525	19.218	ng/ul#	79
96) Benzo(g,h,i)perylene	27.668	276	1775908	71.254	ng/ul	98

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Response via : Initial Calibration

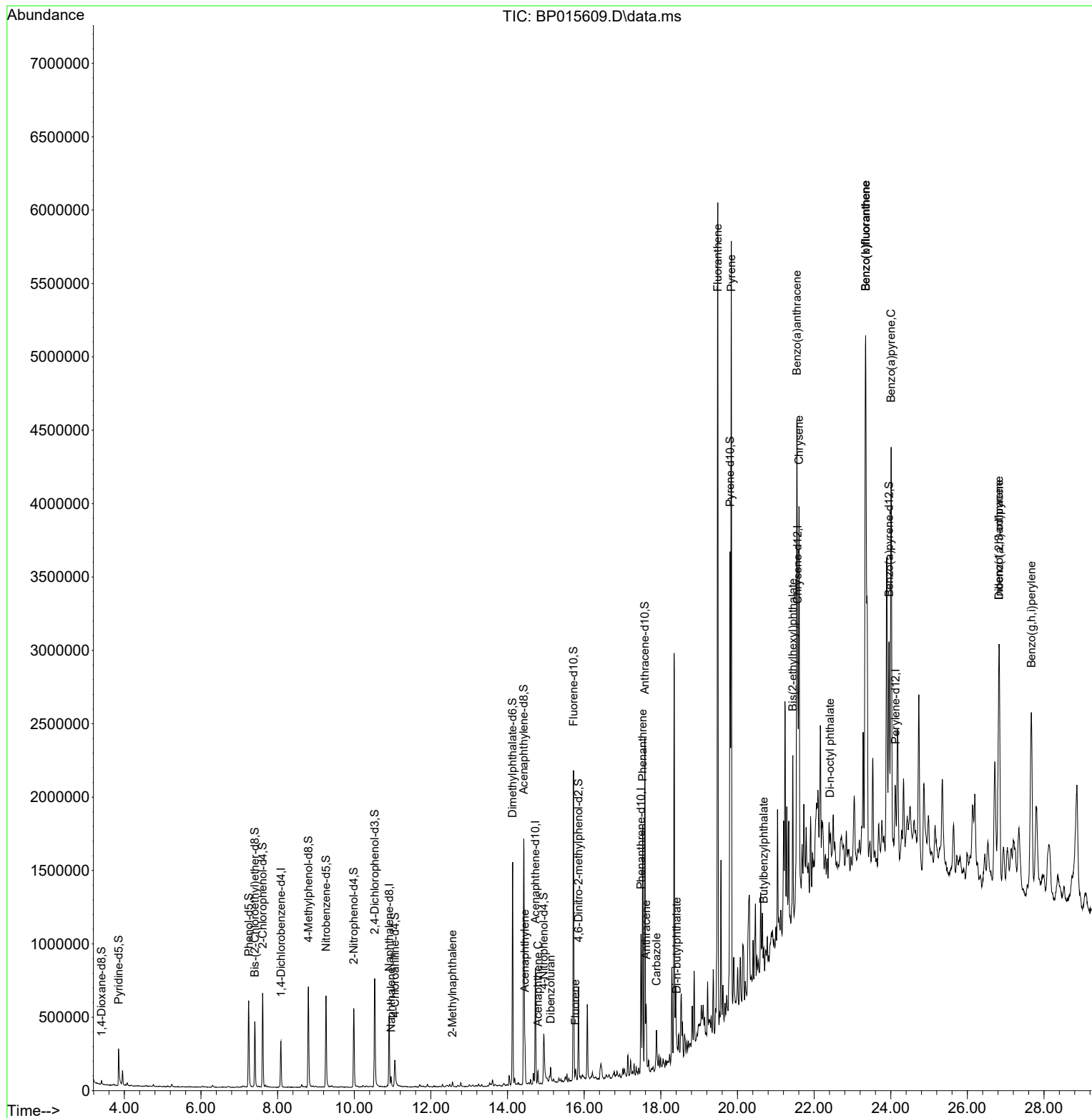
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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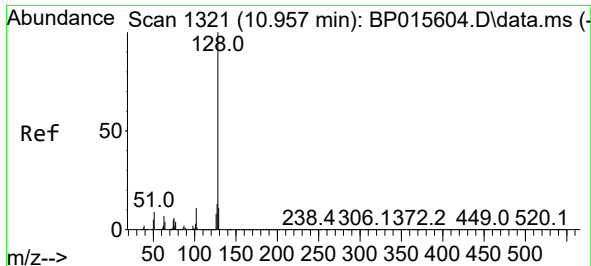
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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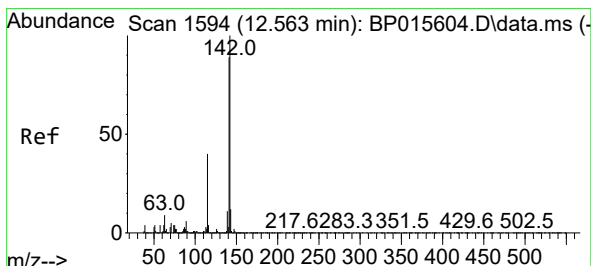
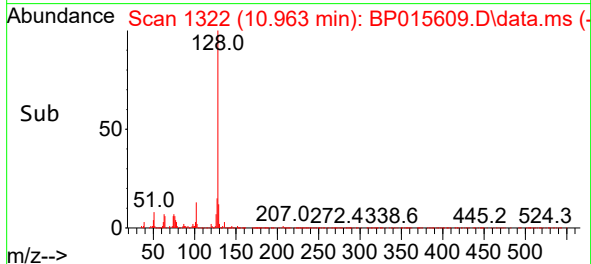
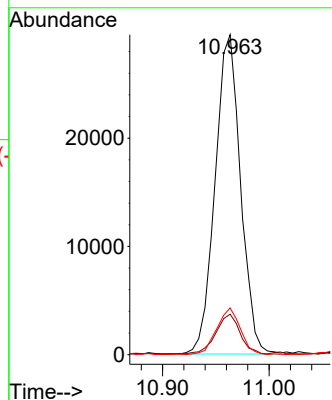
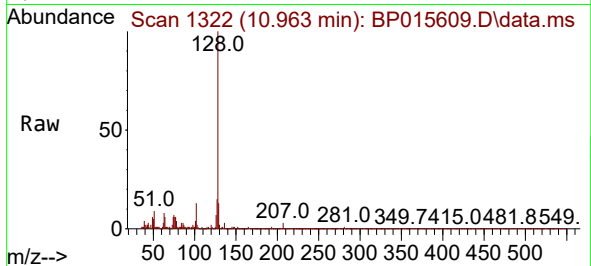




#30
Naphthalene
Concen: 2.399 ng/ul
RT: 10.963 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP015609.D
Acq: 19 Jun 2023 18:21

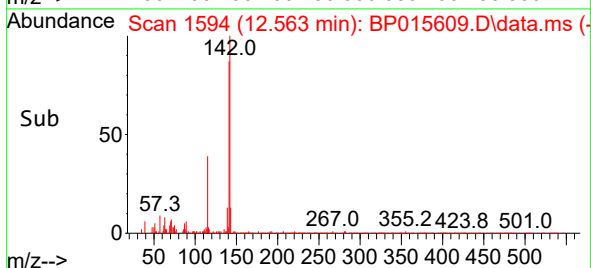
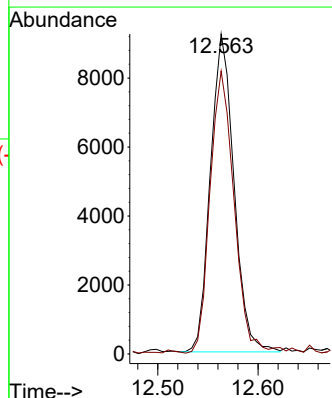
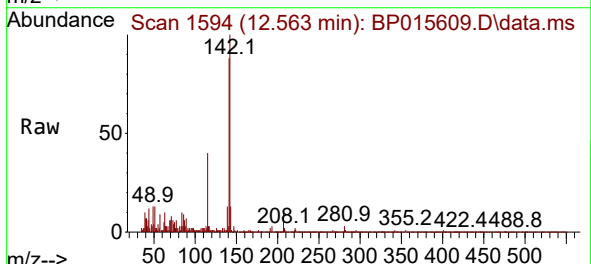
Instrument :
BNA_P
ClientSampleId :
DCFJ3

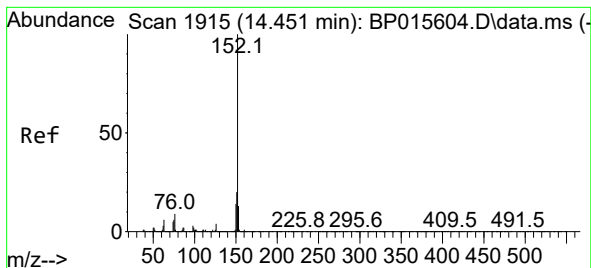
Tgt Ion:128 Resp: 48997
Ion Ratio Lower Upper
128 100
129 12.7 8.6 13.0
127 14.6 10.5 15.7



#36
2-Methylnaphthalene
Concen: 1.048 ng/ul
RT: 12.563 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BP015609.D
Acq: 19 Jun 2023 18:21

Tgt Ion:142 Resp: 15044
Ion Ratio Lower Upper
142 100
141 88.4 72.0 108.0





#50

Acenaphthylene

Concen: 8.575 ng/ul

RT: 14.451 min Scan# 1915

Delta R.T. 0.000 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

Instrument :

BNA_P

ClientSampleId :

DCFJ3

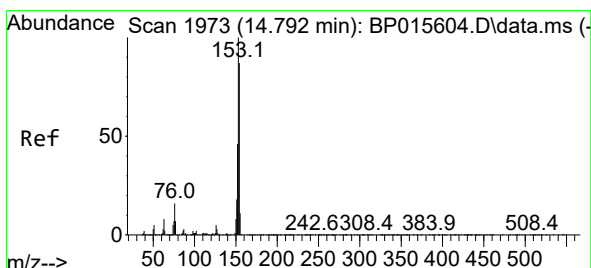
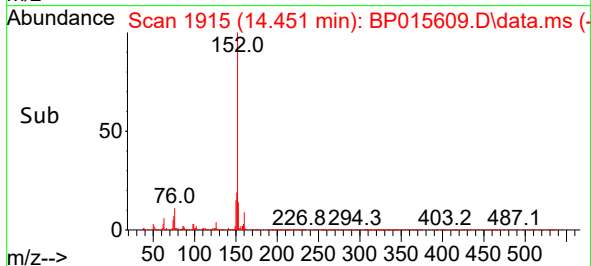
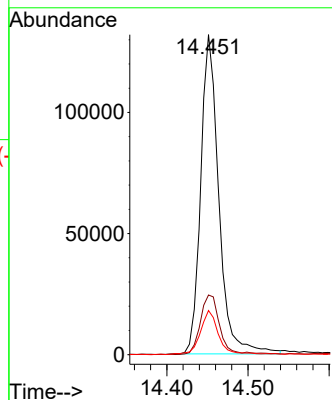
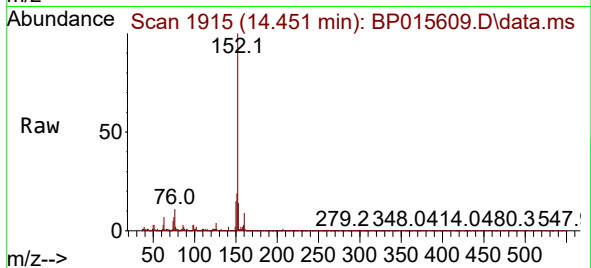
Tgt Ion:152 Resp: 204303

Ion Ratio Lower Upper

152 100

151 18.7 16.0 24.0

153 13.8 10.6 15.8



#52

Acenaphthene

Concen: 1.897 ng/ul

RT: 14.793 min Scan# 1973

Delta R.T. 0.000 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

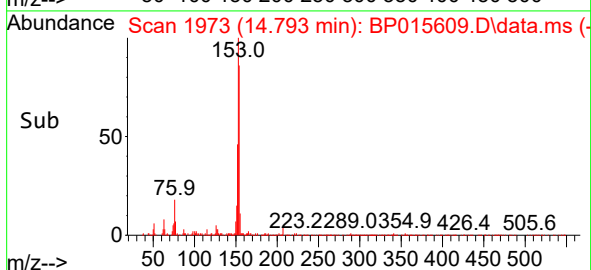
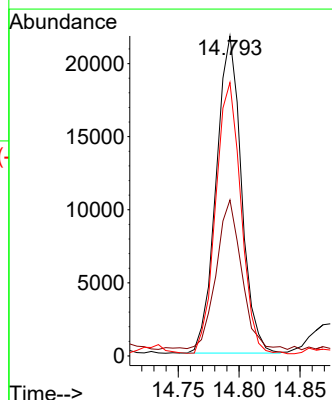
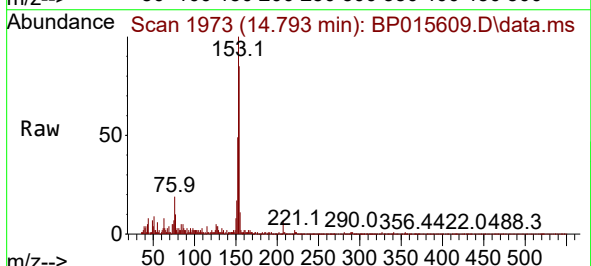
Tgt Ion:153 Resp: 31242

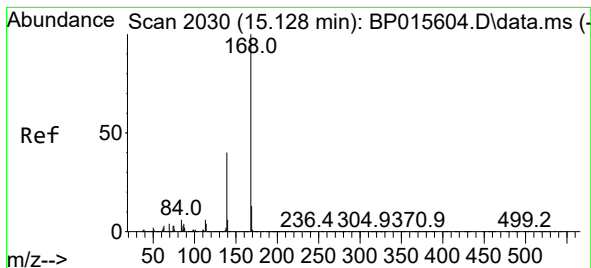
Ion Ratio Lower Upper

153 100

152 48.7 38.3 57.5

154 85.5 69.8 104.6

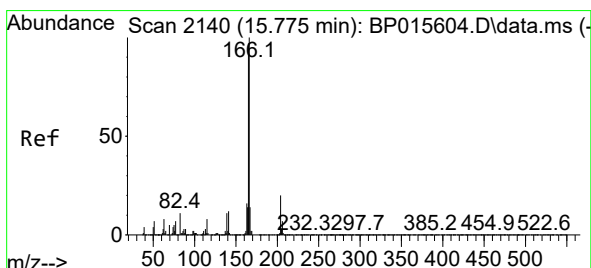
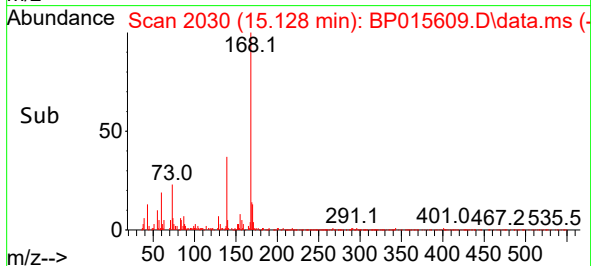
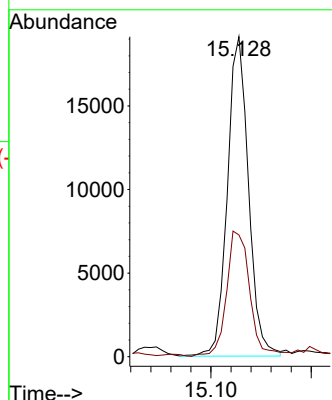
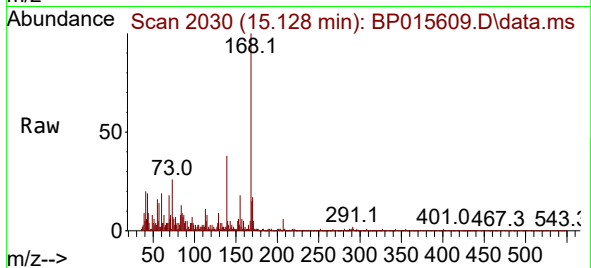




#56
Dibenzenofuran
Concen: 1.195 ng/ul
RT: 15.128 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BP015609.D
Acq: 19 Jun 2023 18:21

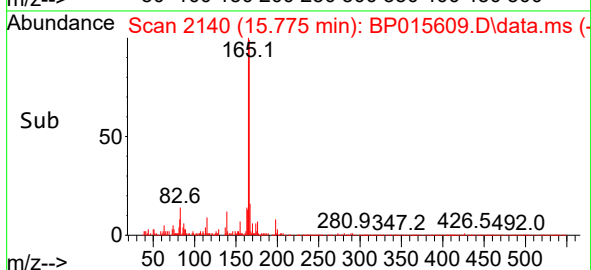
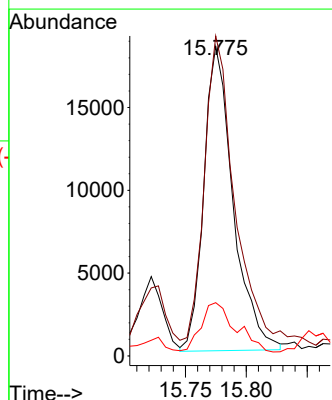
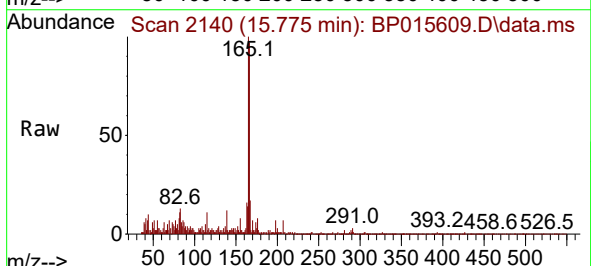
Instrument :
BNA_P
ClientSampleId :
DCFJ3

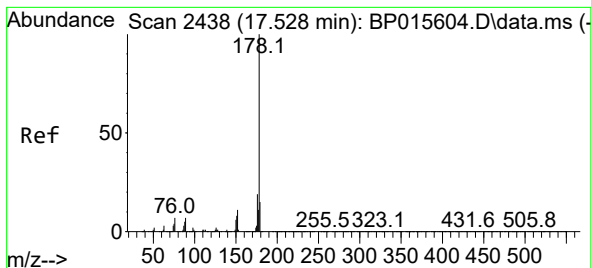
Tgt Ion:168 Resp: 27904
Ion Ratio Lower Upper
168 100
139 38.1 31.2 46.8



#61
Fluorene
Concen: 1.622 ng/ul
RT: 15.775 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BP015609.D
Acq: 19 Jun 2023 18:21

Tgt Ion:166 Resp: 30866
Ion Ratio Lower Upper
166 100
165 103.3 79.1 118.7
167 17.2 10.6 16.0#





#72

Phenanthrene

Concen: 32.679 ng/ul

RT: 17.528 min Scan# 2438

Delta R.T. 0.000 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

Instrument :

BNA_P

ClientSampleId :

DCFJ3

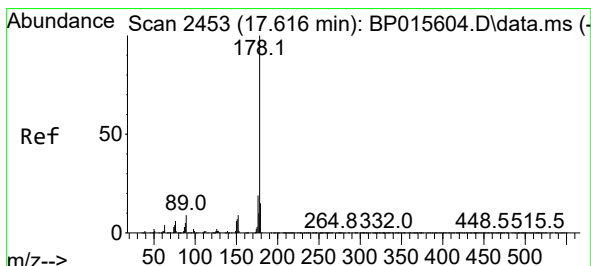
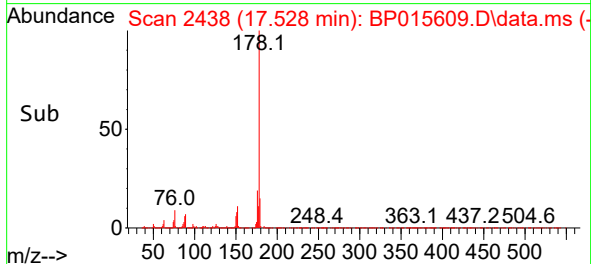
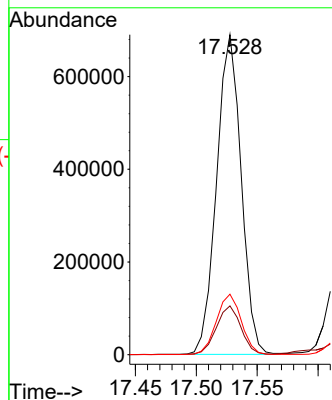
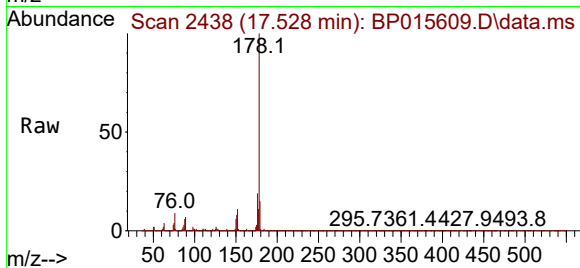
Tgt Ion:178 Resp: 968799

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

176 18.9 15.4 23.0



#74

Anthracene

Concen: 9.312 ng/ul

RT: 17.616 min Scan# 2453

Delta R.T. -0.006 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

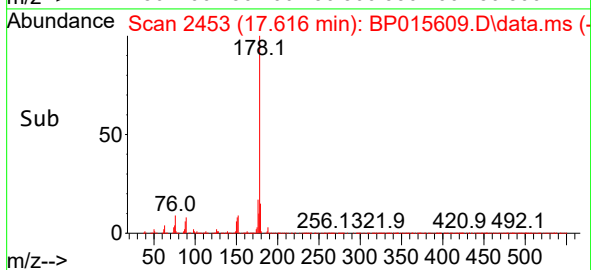
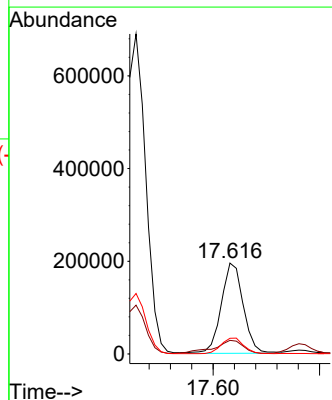
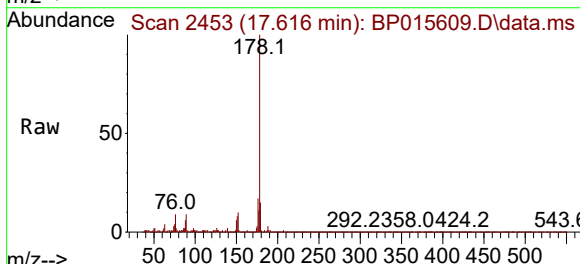
Tgt Ion:178 Resp: 280099

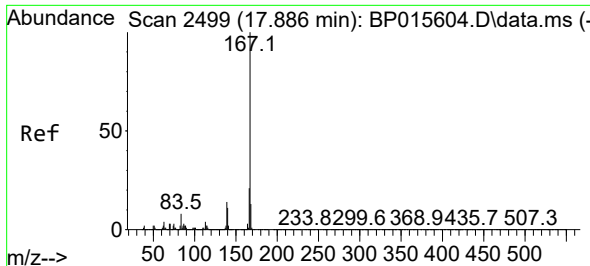
Ion Ratio Lower Upper

178 100

179 14.9 12.4 18.6

176 17.2 15.0 22.4

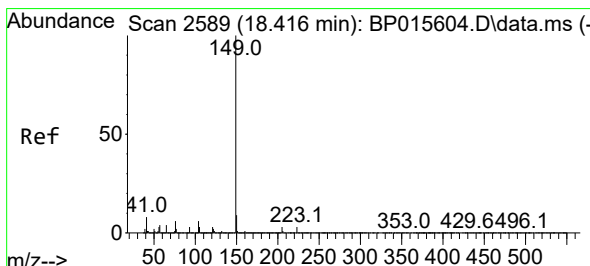
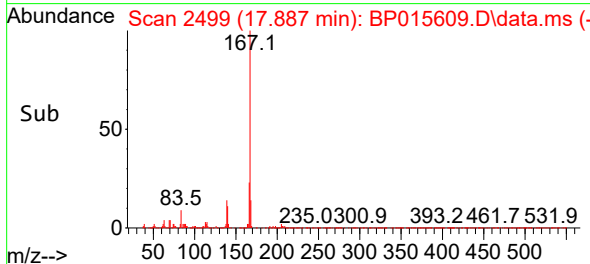
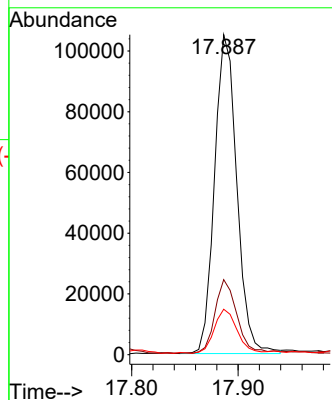
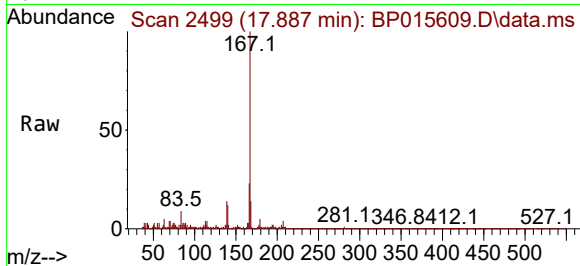




#77
 Carbazole
 Concen: 5.620 ng/ul
 RT: 17.887 min Scan# 2499
 Delta R.T. -0.006 min
 Lab File: BP015609.D
 Acq: 19 Jun 2023 18:21

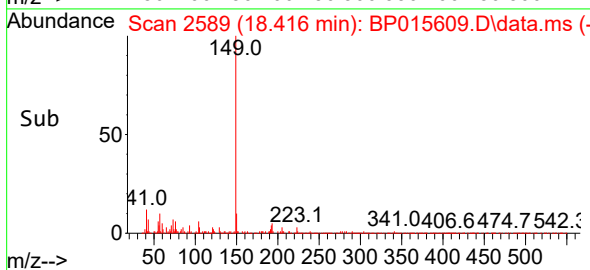
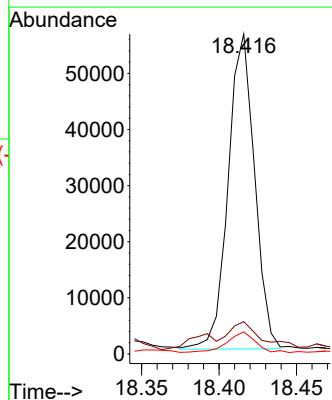
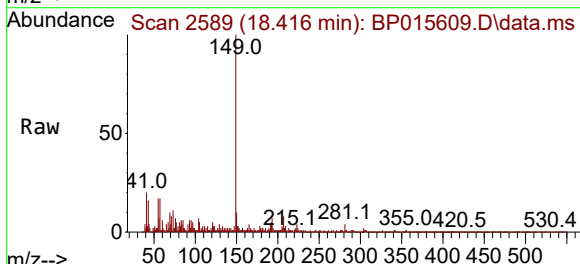
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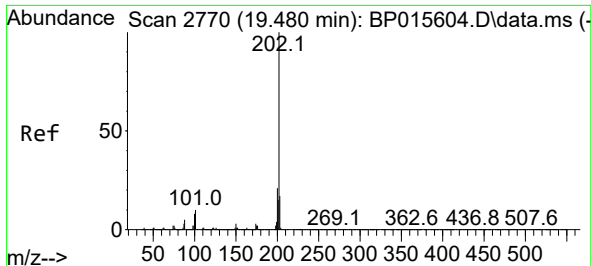
Tgt Ion:167 Resp: 152226
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.2 25.8
 139 14.2 10.6 16.0



#78
 Di-n-butylphthalate
 Concen: 1.937 ng/ul
 RT: 18.416 min Scan# 2589
 Delta R.T. 0.000 min
 Lab File: BP015609.D
 Acq: 19 Jun 2023 18:21

Tgt Ion:149 Resp: 66571
 Ion Ratio Lower Upper
 149 100
 150 10.1 7.1 10.7
 104 6.9 4.5 6.7#

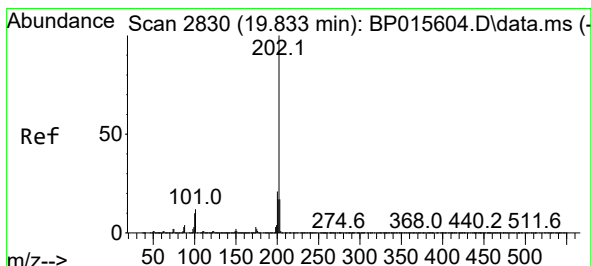
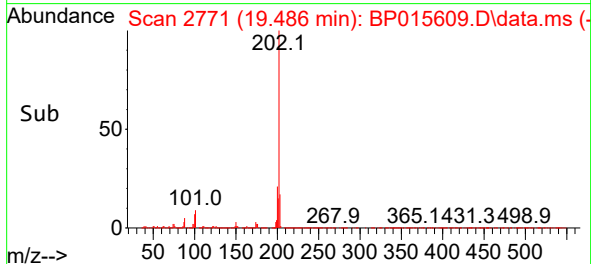
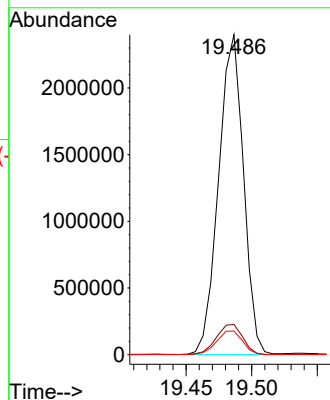
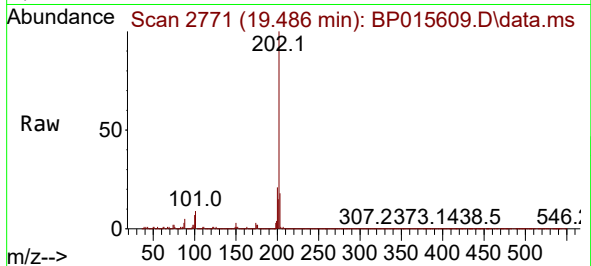




#80
Fluoranthene
Concen: 125.474 ng/ul
RT: 19.486 min Scan# 2770
Delta R.T. 0.000 min
Lab File: BP015609.D
Acq: 19 Jun 2023 18:21

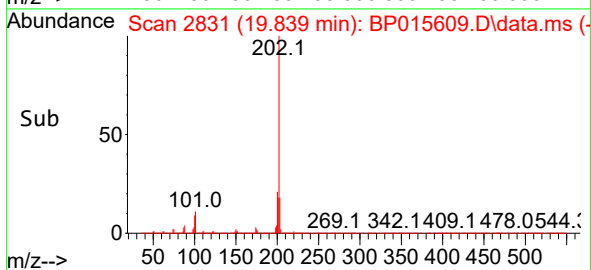
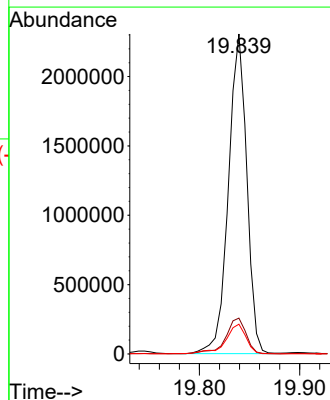
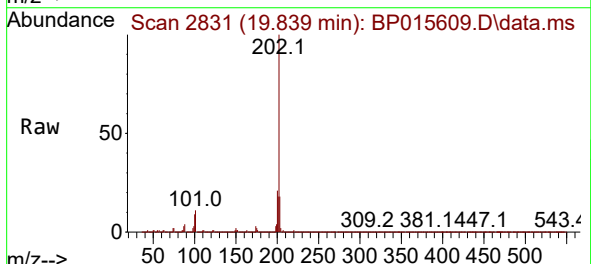
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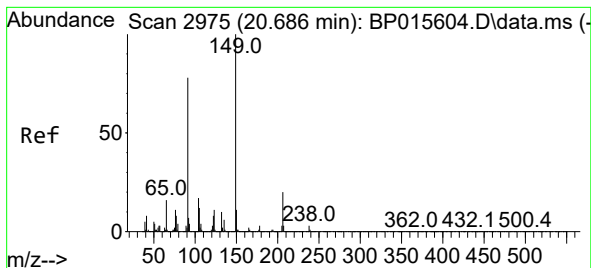
Tgt Ion:202 Resp: 3163229
Ion Ratio Lower Upper
202 100
101 9.5 8.6 13.0
100 7.4 6.6 9.8



#82
Pyrene
Concen: 112.022 ng/ul
RT: 19.839 min Scan# 2831
Delta R.T. 0.000 min
Lab File: BP015609.D
Acq: 19 Jun 2023 18:21

Tgt Ion:202 Resp: 2921759
Ion Ratio Lower Upper
202 100
101 11.2 9.9 14.9
100 9.3 8.4 12.6





#83

Butylbenzylphthalate

Concen: 2.812 ng/ul

RT: 20.686 min Scan# 2975

Delta R.T. -0.006 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

Instrument :

BNA_P

ClientSampleId :

DCFJ3

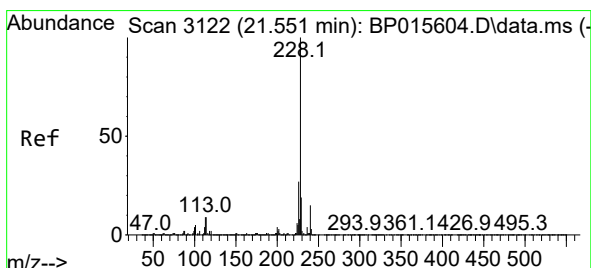
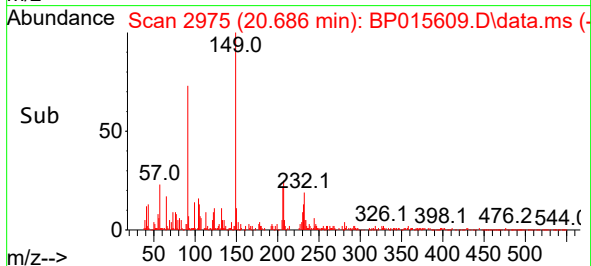
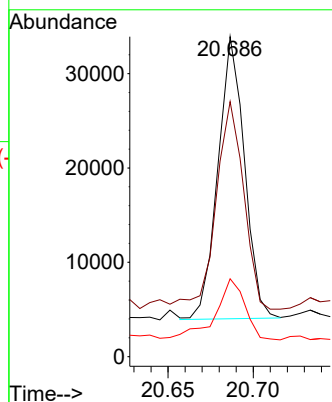
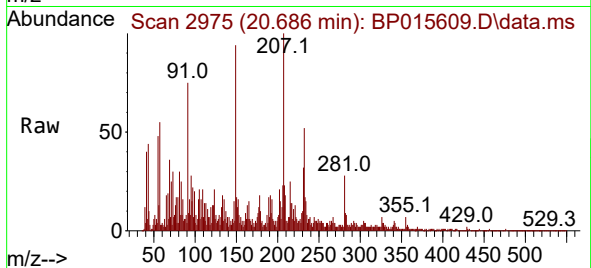
Tgt Ion:149 Resp: 32411

Ion Ratio Lower Upper

149 100

91 79.7 60.4 90.6

206 24.4 16.4 24.6



#85

Benzo(a)anthracene

Concen: 57.063 ng/ul

RT: 21.551 min Scan# 3122

Delta R.T. 0.000 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

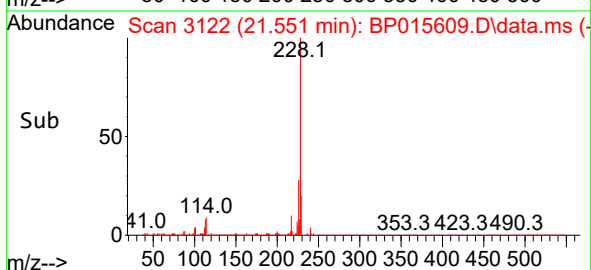
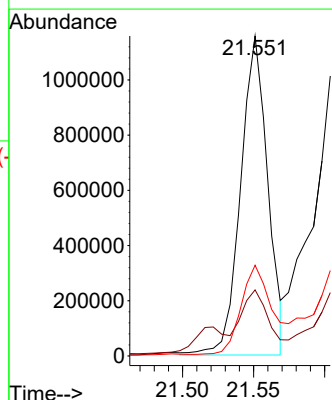
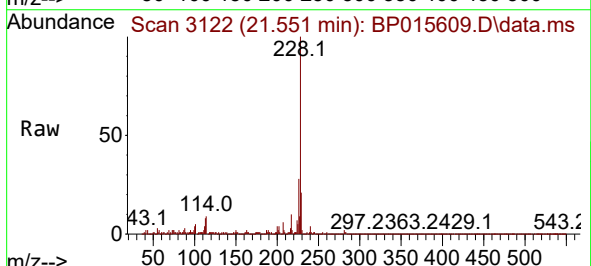
Tgt Ion:228 Resp: 1542579

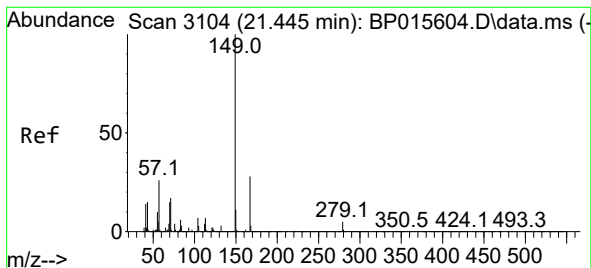
Ion Ratio Lower Upper

228 100

229 20.6 15.8 23.6

226 28.4 21.8 32.6





#86

Bis(2-ethylhexyl)phthalate

Concen: 19.767 ng/ul

RT: 21.445 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

Instrument :

BNA_P

ClientSampleId :

DCFJ3

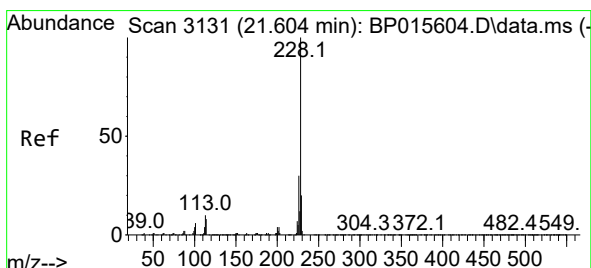
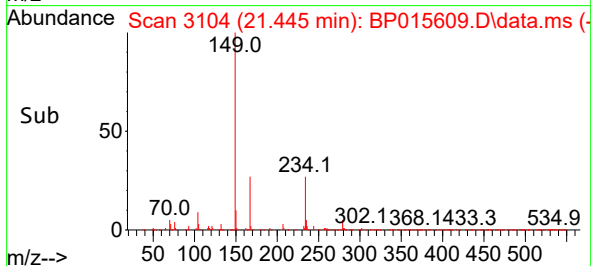
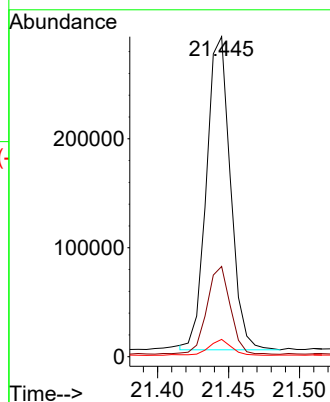
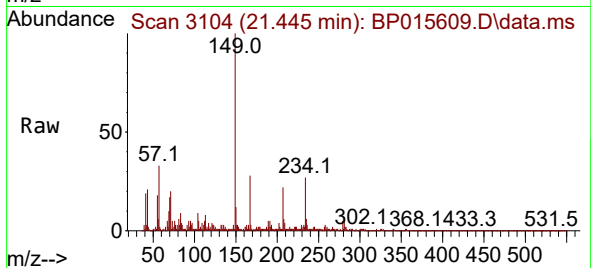
Tgt Ion:149 Resp: 336815

Ion Ratio Lower Upper

149 100

167 28.2 21.8 32.8

279 5.4 3.7 5.5



#87

Chrysene

Concen: 70.956 ng/ul

RT: 21.610 min Scan# 3132

Delta R.T. 0.000 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

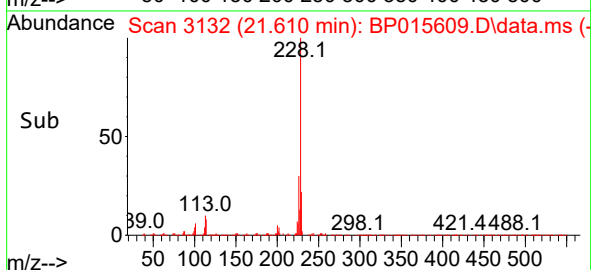
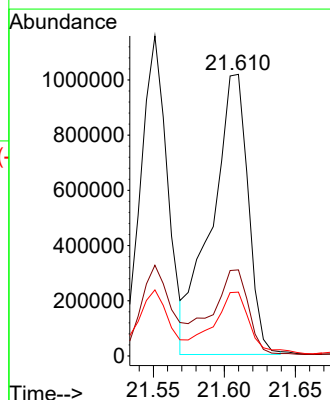
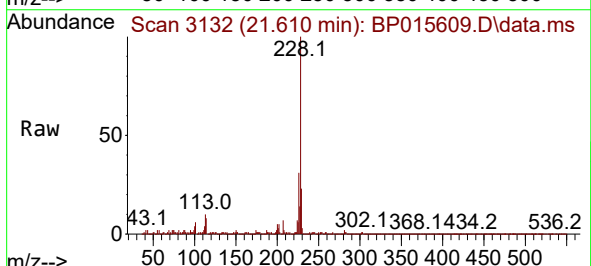
Tgt Ion:228 Resp: 1813065

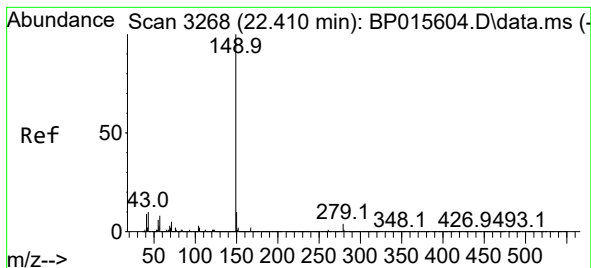
Ion Ratio Lower Upper

228 100

226 30.6 23.9 35.9

229 22.7 15.1 22.7





#89

Di-n-octyl phthalate

Concen: 1.014 ng/ul

RT: 22.416 min Scan# 3268

Delta R.T. 0.000 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

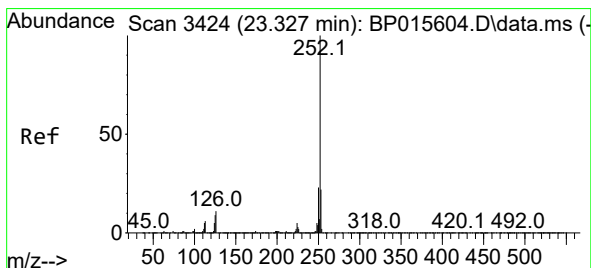
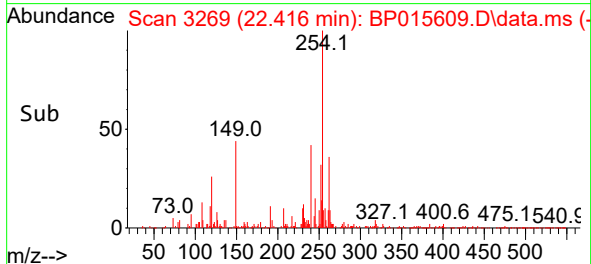
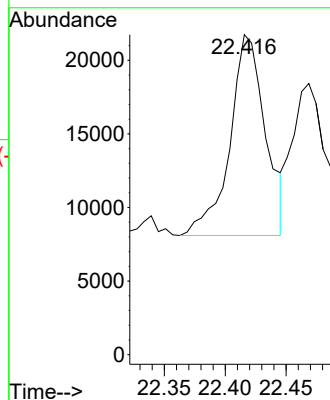
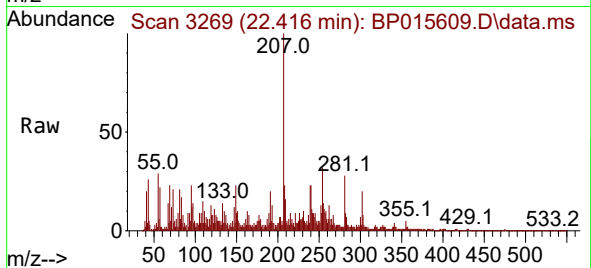
Instrument :

BNA_P

ClientSampleId :

DCFJ3

Tgt Ion:149 Resp: 27673



#90

Benzo(b)fluoranthene

Concen: 129.986 ng/ul

RT: 23.345 min Scan# 3427

Delta R.T. 0.018 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

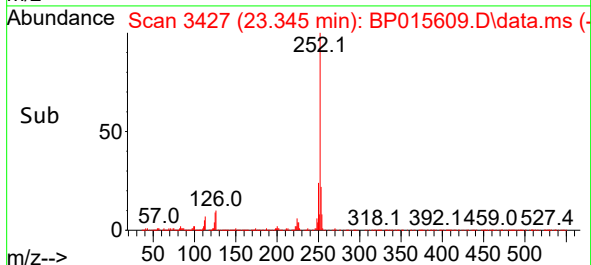
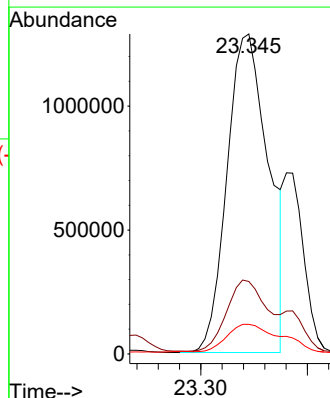
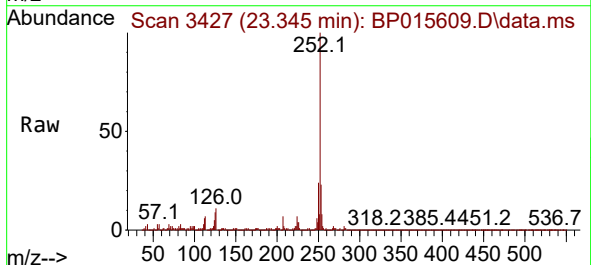
Tgt Ion:252 Resp: 3484141

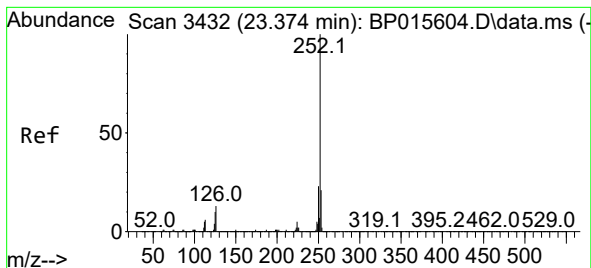
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

125 9.3 7.3 10.9





#91

Benzo(k)fluoranthene

Concen: 134.470 ng/ul

RT: 23.345 min Scan# 34

Delta R.T. -0.035 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

Instrument :

BNA_P

ClientSampleId :

DCFJ3

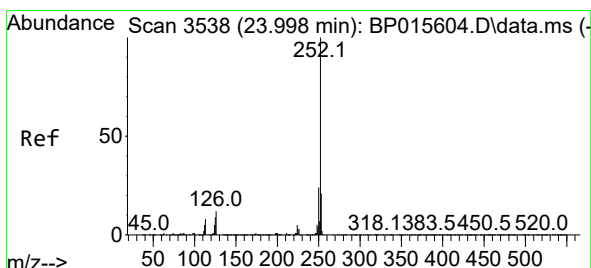
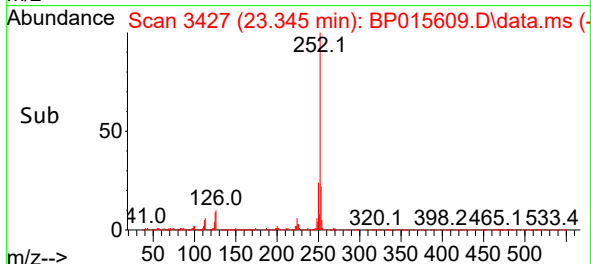
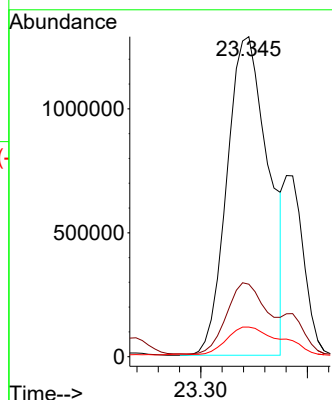
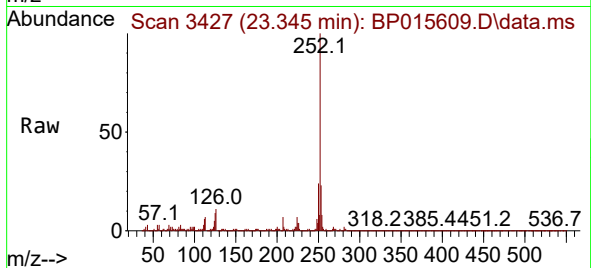
Tgt Ion:252 Resp: 3484141

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 9.3 7.3 10.9



#93

Benzo(a)pyrene

Concen: 91.025 ng/ul

RT: 24.010 min Scan# 3540

Delta R.T. 0.006 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

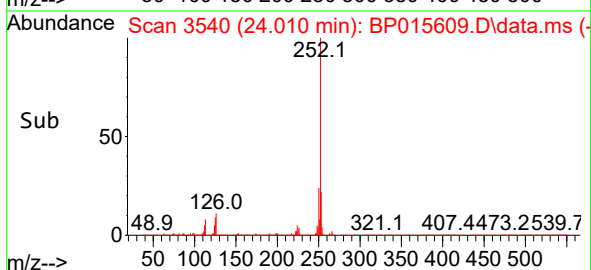
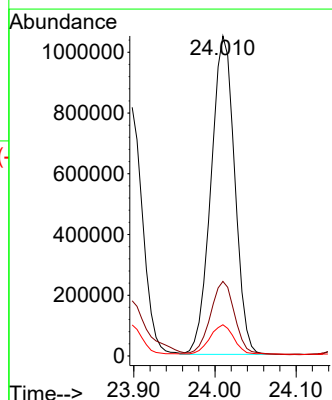
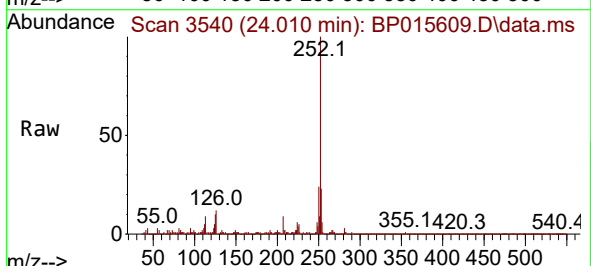
Tgt Ion:252 Resp: 2127168

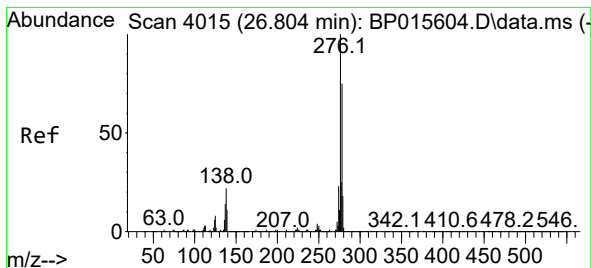
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

125 9.8 8.1 12.1





#94

Indeno(1,2,3-cd)pyrene

Concen: 62.608 ng/ul

RT: 26.827 min Scan# 4019

Delta R.T. 0.018 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

Instrument :

BNA_P

ClientSampleId :

DCFJ3

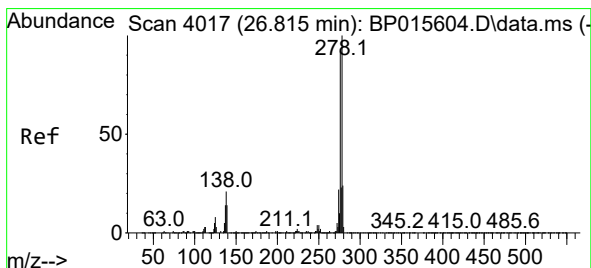
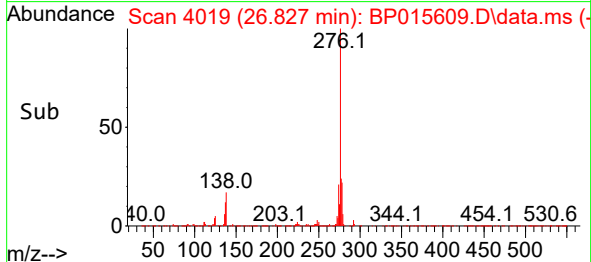
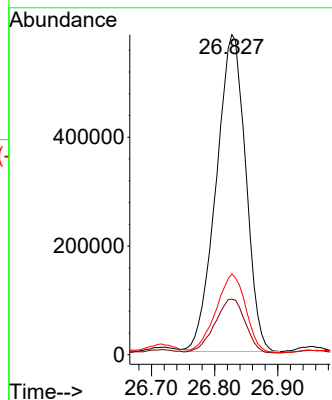
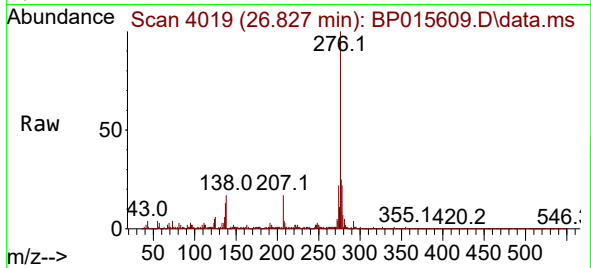
Tgt Ion:276 Resp: 1893499

Ion Ratio Lower Upper

276 100

138 17.3 17.3 25.9

277 25.2 20.2 30.2



#95

Dibenzo(a,h)anthracene

Concen: 19.218 ng/ul

RT: 26.827 min Scan# 4019

Delta R.T. 0.000 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

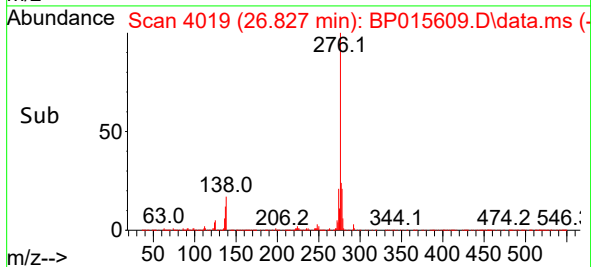
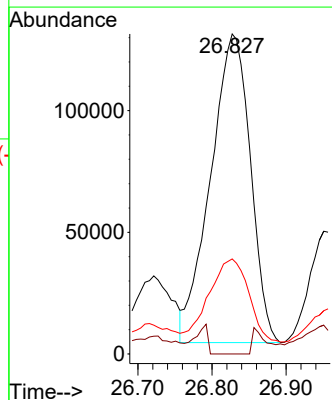
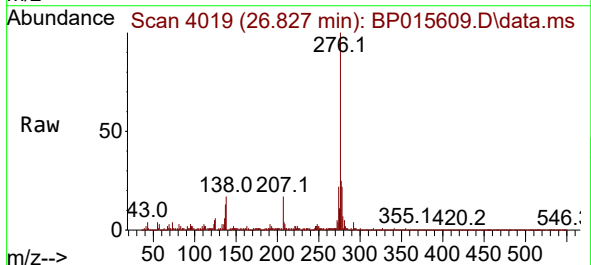
Tgt Ion:278 Resp: 473525

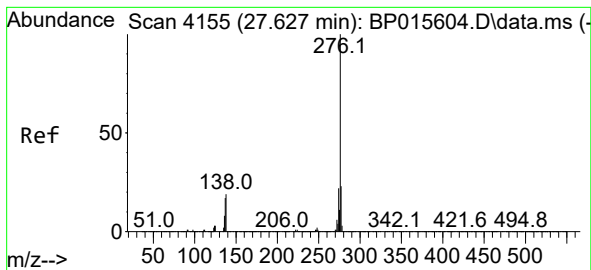
Ion Ratio Lower Upper

278 100

139 0.0 11.4 17.0#

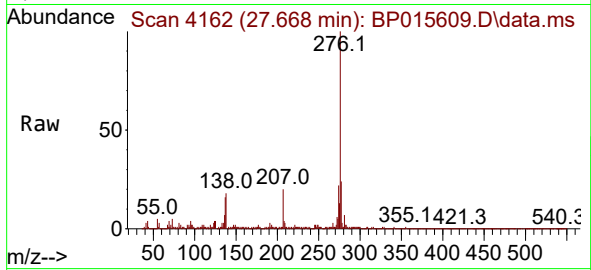
279 29.7 18.7 28.1#





#96
 Benzo(g,h,i)perylene
 Concen: 71.254 ng/ul
 RT: 27.668 min Scan# 41
 Delta R.T. 0.029 min
 Lab File: BP015609.D
 Acq: 19 Jun 2023 18:21

Instrument :
 BNA_P
 ClientSampleId :
 DCFJ3



Tgt Ion:276 Resp: 1775908

Ion	Ratio	Lower	Upper
276	100		
138	17.9	15.6	23.4
277	24.3	19.0	28.6

