

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110923\
 Data File : BP018020.D
 Acq On : 10 Nov 2023 09:41
 Operator : MA/JU
 Sample : 05091-13
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCKJ0

Quant Time: Nov 10 22:16:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 22:34:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	88210	20.000	ng/ul	0.00
20) Naphthalene-d8	10.681	136	367895	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.539	164	228927	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.316	188	482600	20.000	ng/ul	0.00
79) Chrysene-d12	21.445	240	403346	20.000	ng/ul	0.00
88) Perylene-d12	23.957	264	443756	20.000	ng/ul	-0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	3895	1.512	ng/uL	0.00
4) Pyridine-d5	3.669	84	652	0.097	ng/ul	-0.01
7) Phenol-d5	7.034	99	76293	9.203	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.216	67	47561	9.472	ng/ul	0.00
11) 2-Chlorophenol-d4	7.387	132	64441	9.716	ng/ul	0.00
15) 4-Methylphenol-d8	8.593	113	46976	7.065	ng/ul	0.00
21) Nitrobenzene-d5	9.069	128	30711	9.322	ng/ul	0.00
24) 2-Nitrophenol-d4	9.787	143	35850	9.777	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.316	165	65242	9.932	ng/ul	0.00
31) 4-Chloroaniline-d4	10.875	131	38713	4.301	ng/ul	0.00
46) Dimethylphthalate-d6	13.957	166	232010	11.025	ng/ul	0.00
49) Acenaphthylene-d8	14.234	160	246147	10.910	ng/ul	0.00
54) 4-Nitrophenol-d4	14.816	143	14642	4.750	ng/ul	0.02
60) Fluorene-d10	15.539	176	195805	11.225	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.692	200	17403	5.164	ng/ul	0.00
73) Anthracene-d10	17.416	188	293110	11.335	ng/ul	0.00
81) Pyrene-d10	19.669	212	352643	13.585	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.786	264	304863	11.820	ng/ul	-0.01

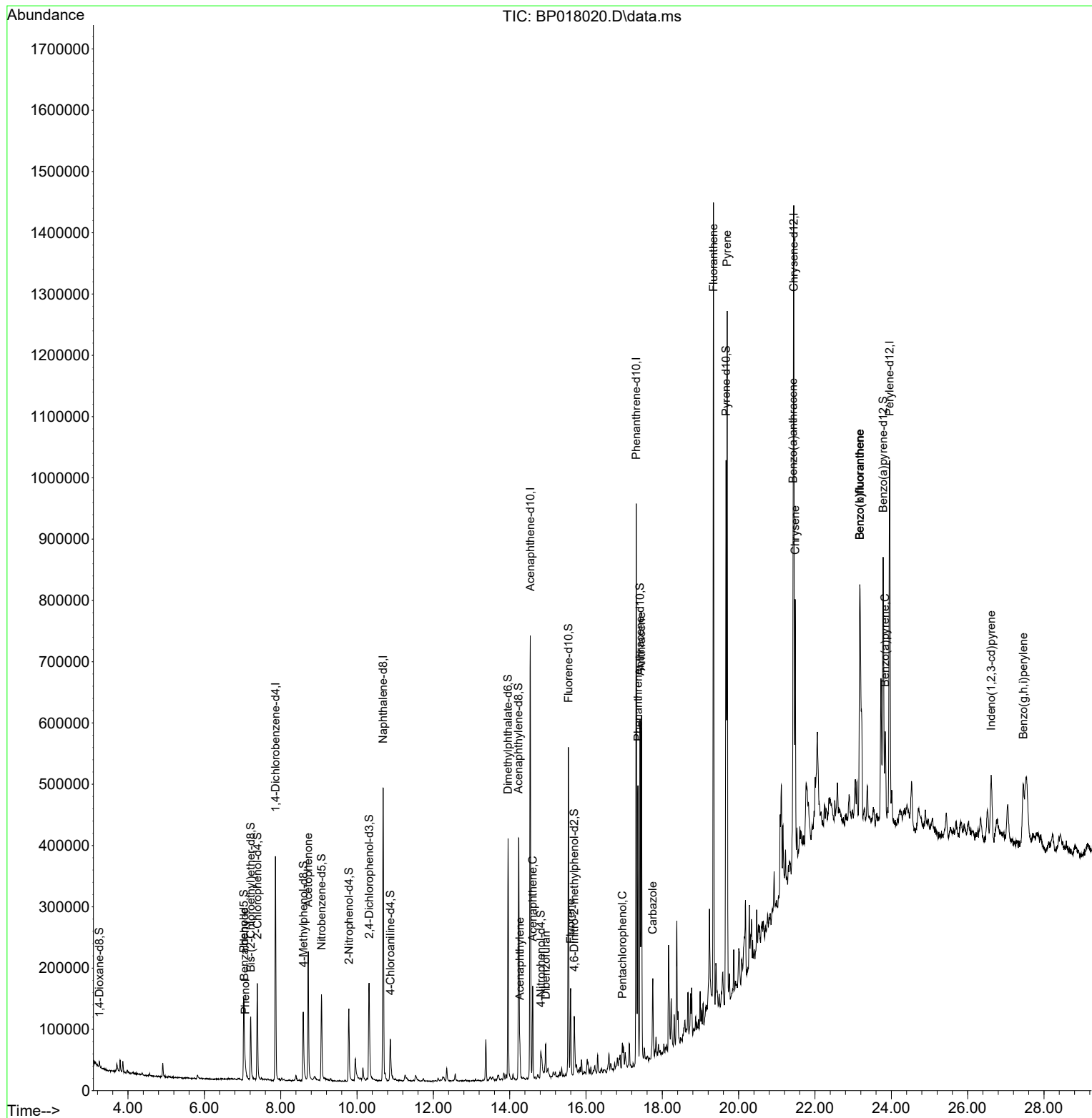
Target Compounds				Qvalue		
6) Benzaldehyde	7.046	77	4828	1.058	ng/ul#	67
8) Phenol	7.069	94	16359	2.004	ng/ul	96
16) Acetophenone	8.722	105	110643	10.407	ng/ul	97
50) Acenaphthylene	14.269	152	36486	1.412	ng/ul	98
52) Acenaphthene	14.604	153	56672	3.301	ng/ul	99
56) Dibenzofuran	14.945	168	32840	1.386	ng/ul	93
61) Fluorene	15.598	166	59139	2.959	ng/ul	96
71) Pentachlorophenol	16.951	266	6033	1.639	ng/ul	97
72) Phenanthrene	17.363	178	257701	8.579	ng/ul	99
74) Anthracene	17.451	178	327733	10.791	ng/ul	99
77) Carbazole	17.751	167	74873	2.855	ng/ul	97
80) Fluoranthene	19.339	202	692938	23.063	ng/ul	100
82) Pyrene	19.698	202	604317	19.031	ng/ul	99
85) Benzo(a)anthracene	21.427	228	199252	6.145	ng/ul	99
87) Chrysene	21.480	228	188000	6.155	ng/ul	97
90) Benzo(b)fluoranthene	23.174	252	335908	10.532	ng/ul	96
91) Benzo(k)fluoranthene	23.174	252	335908	10.553	ng/ul	97
93) Benzo(a)pyrene	23.839	252	108698	3.616	ng/ul#	92
94) Indeno(1,2,3-cd)pyrene	26.615	276	123172	3.457	ng/ul	96
96) Benzo(g,h,i)perylene	27.456	276	133940	4.711	ng/ul	98

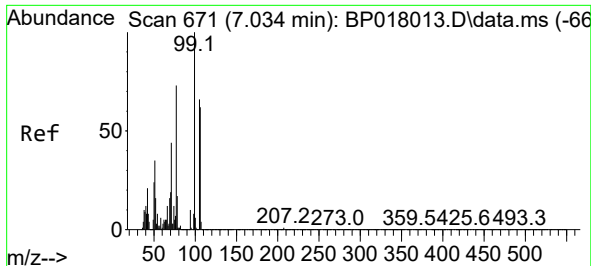
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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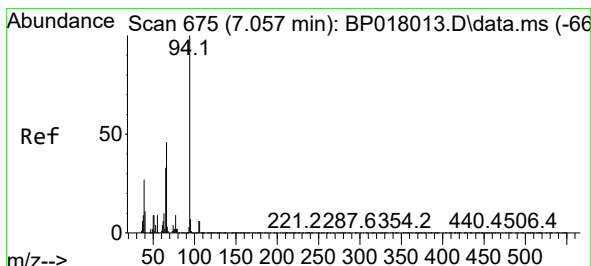
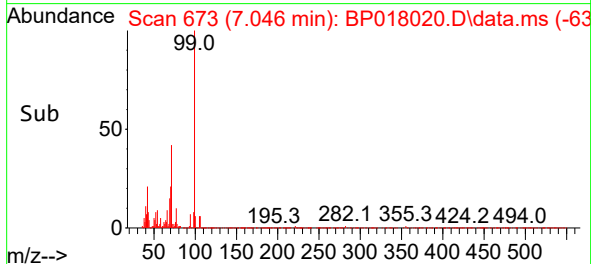
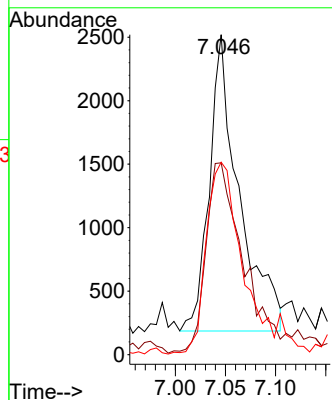
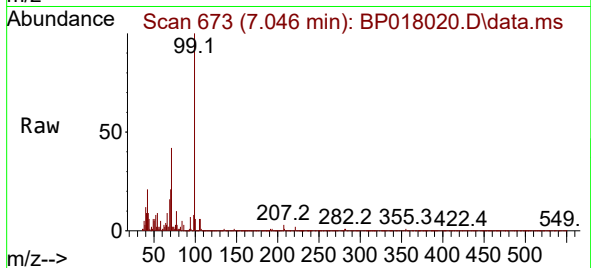




#6
Benzaldehyde
Concen: 1.058 ng/ul
RT: 7.046 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP018020.D
Acq: 10 Nov 2023 09:41

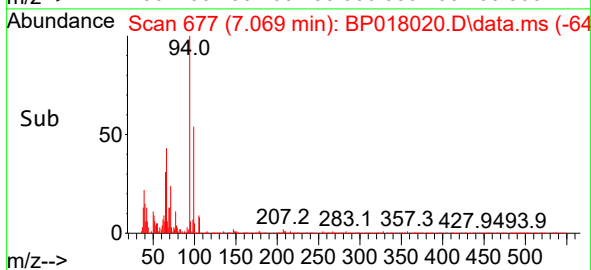
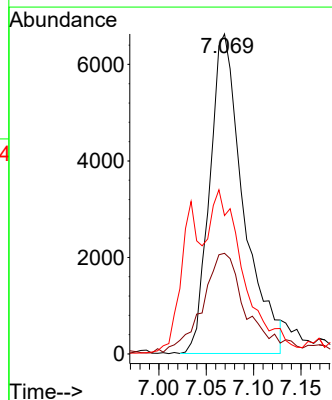
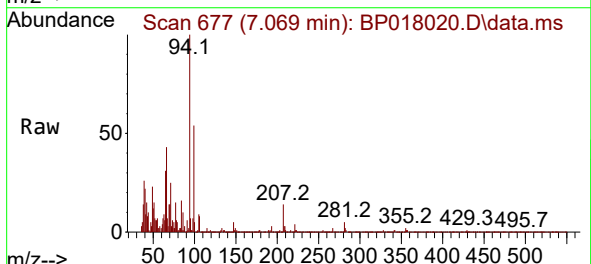
Instrument :
BNA_P
ClientSampleId :
DCKJ0

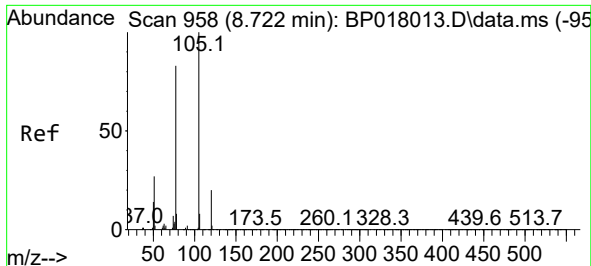
Tgt Ion: 77 Resp: 4828
Ion Ratio Lower Upper
77 100
105 60.0 75.8 113.6#
106 60.2 69.6 104.4#



#8
Phenol
Concen: 2.004 ng/ul
RT: 7.069 min Scan# 677
Delta R.T. 0.006 min
Lab File: BP018020.D
Acq: 10 Nov 2023 09:41

Tgt Ion: 94 Resp: 16359
Ion Ratio Lower Upper
94 100
65 31.4 26.5 39.7
66 43.3 37.0 55.6

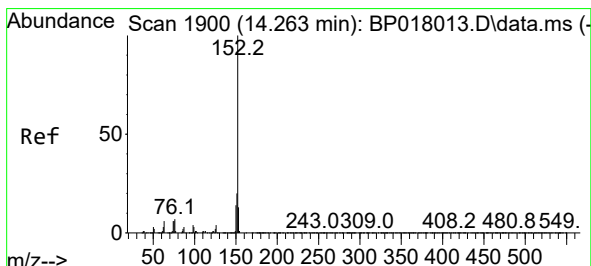
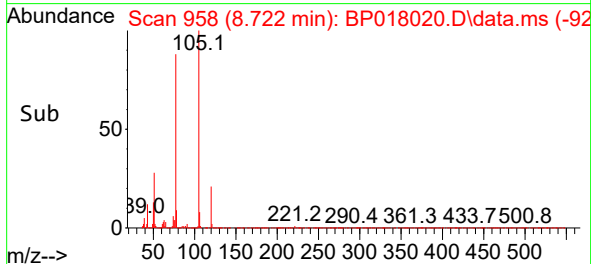
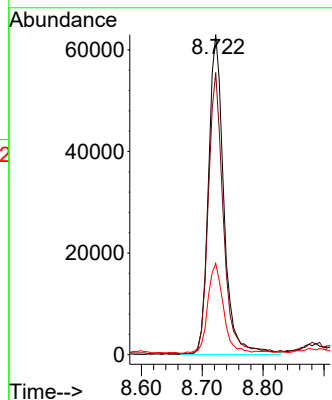
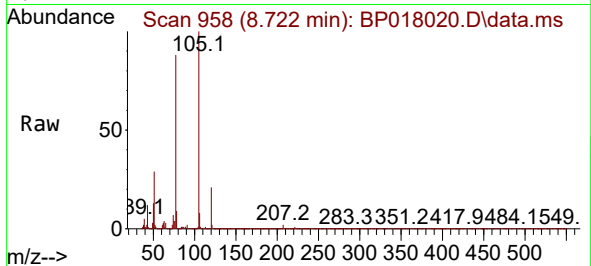




#16
Acetophenone
Concen: 10.407 ng/ul
RT: 8.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP018020.D
Acq: 10 Nov 2023 09:41

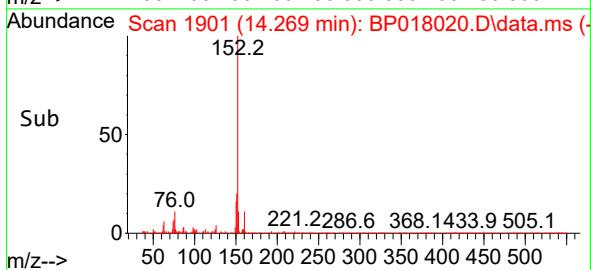
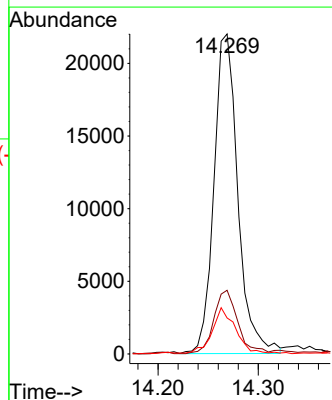
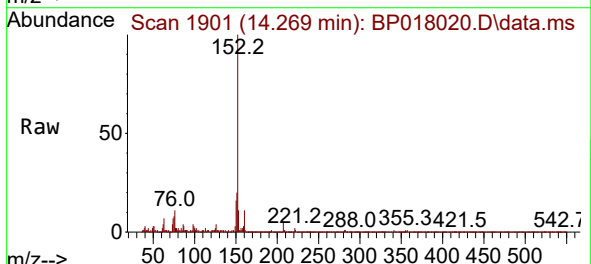
Instrument :
BNA_P
ClientSampleId :
DCKJ0

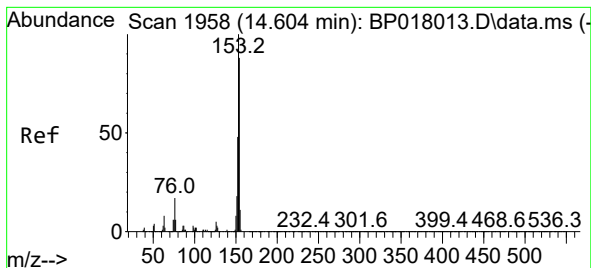
Tgt Ion:105 Resp: 110643
Ion Ratio Lower Upper
105 100
77 88.2 68.2 102.4
51 28.5 24.1 36.1



#50
Acenaphthylene
Concen: 1.412 ng/ul
RT: 14.269 min Scan# 1901
Delta R.T. -0.000 min
Lab File: BP018020.D
Acq: 10 Nov 2023 09:41

Tgt Ion:152 Resp: 36486
Ion Ratio Lower Upper
152 100
151 19.9 15.5 23.3
153 11.3 10.3 15.5





#52

Acenaphthene

Concen: 3.301 ng/ul

RT: 14.604 min Scan# 1958

Delta R.T. -0.006 min

Lab File: BP018020.D

Acq: 10 Nov 2023 09:41

Instrument :

BNA_P

ClientSampleId :

DCKJ0

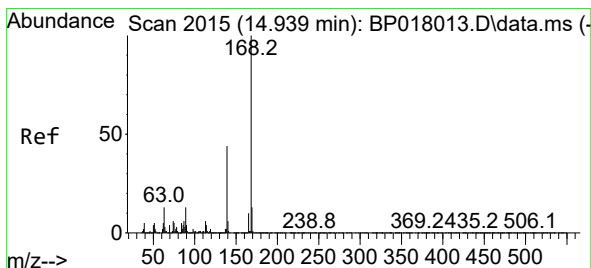
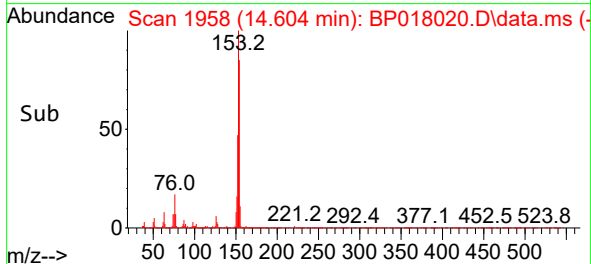
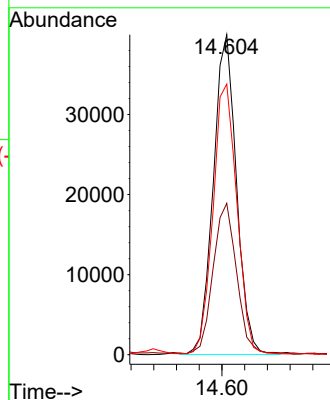
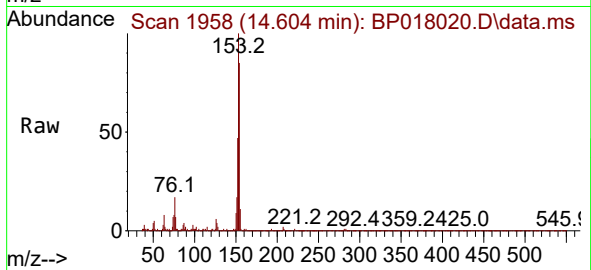
Tgt Ion:153 Resp: 56672

Ion Ratio Lower Upper

153 100

152 47.3 38.2 57.2

154 84.6 68.8 103.2



#56

Dibenzofuran

Concen: 1.386 ng/ul

RT: 14.945 min Scan# 2016

Delta R.T. -0.000 min

Lab File: BP018020.D

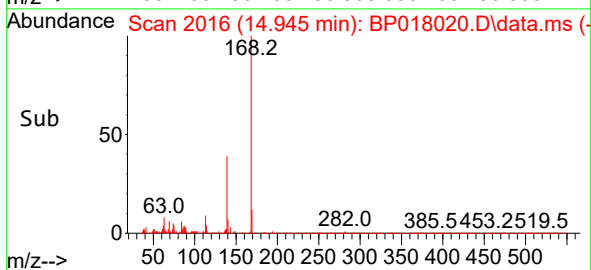
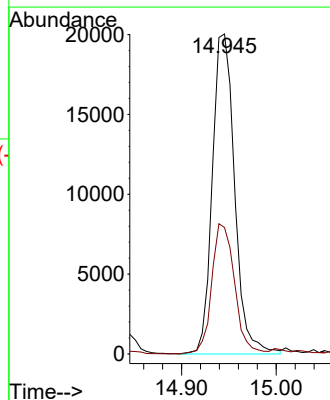
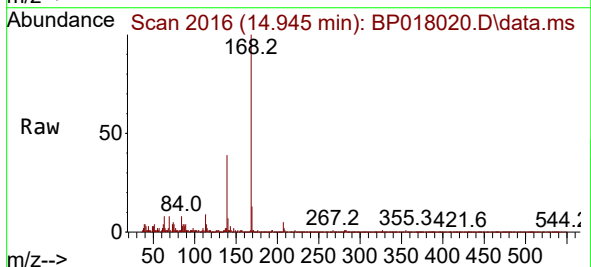
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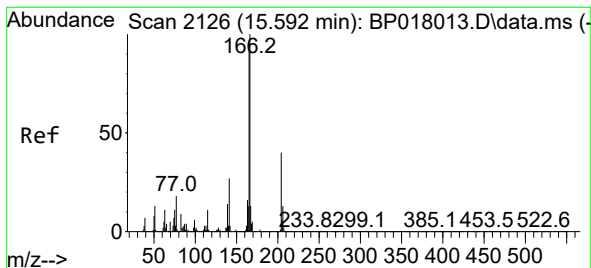
Tgt Ion:168 Resp: 32840

Ion Ratio Lower Upper

168 100

139 39.5 35.1 52.7





#61

Fluorene

Concen: 2.959 ng/ul

RT: 15.598 min Scan# 2126

Delta R.T. -0.000 min

Lab File: BP018020.D

Acq: 10 Nov 2023 09:41

Instrument :

BNA_P

ClientSampleId :

DCKJ0

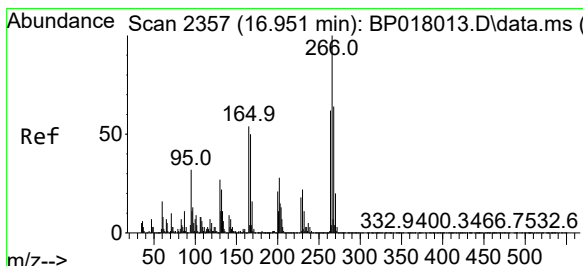
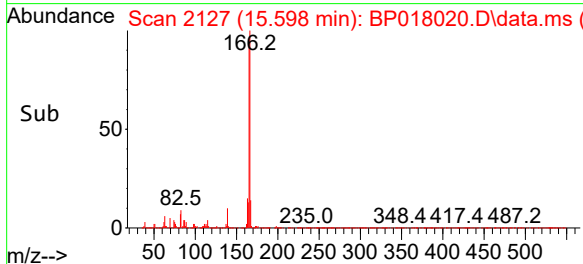
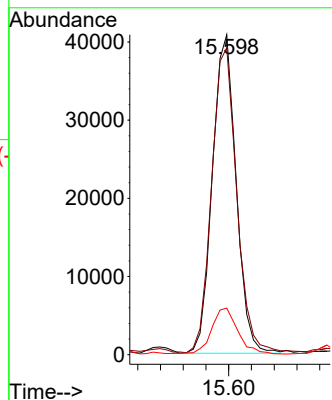
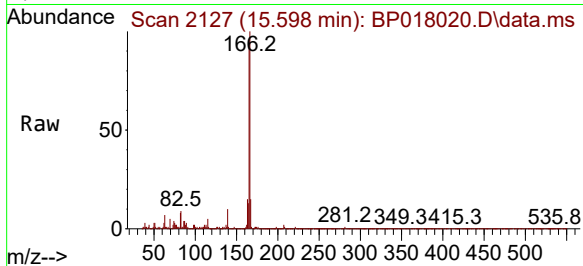
Tgt Ion:166 Resp: 59139

Ion Ratio Lower Upper

166 100

165 96.0 80.2 120.2

167 14.6 11.0 16.4



#71

Pentachlorophenol

Concen: 1.639 ng/ul

RT: 16.951 min Scan# 2357

Delta R.T. -0.006 min

Lab File: BP018020.D

Acq: 10 Nov 2023 09:41

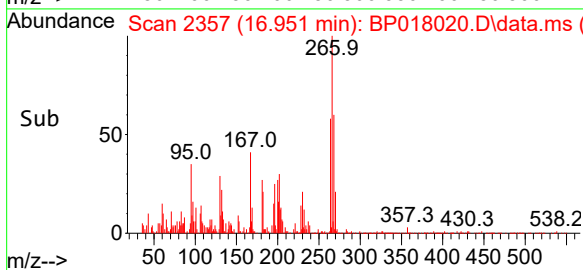
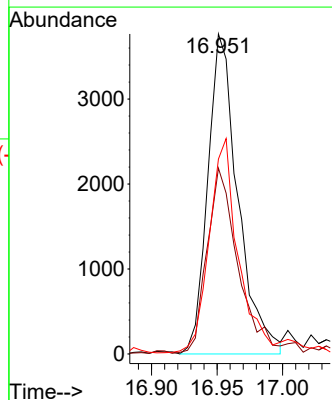
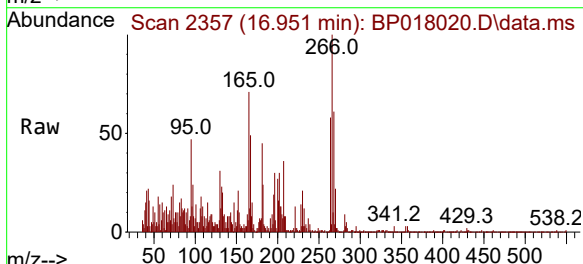
Tgt Ion:266 Resp: 6033

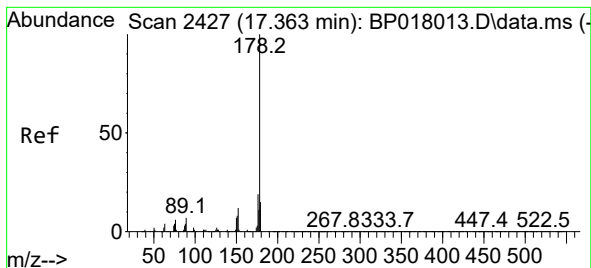
Ion Ratio Lower Upper

266 100

264 58.0 48.4 72.6

268 60.9 50.3 75.5





#72

Phenanthrene

Concen: 8.579 ng/ul

RT: 17.363 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BP018020.D

Acq: 10 Nov 2023 09:41

Instrument :

BNA_P

ClientSampleId :

DCKJ0

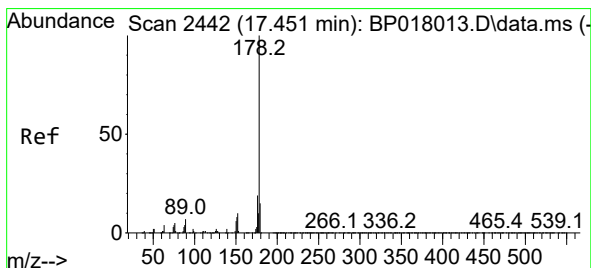
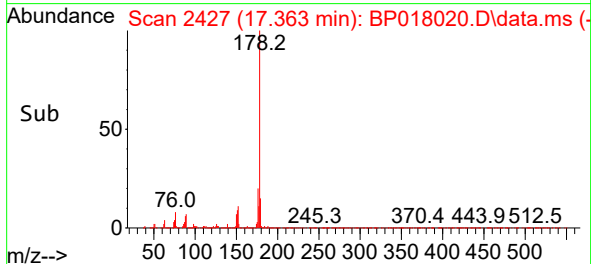
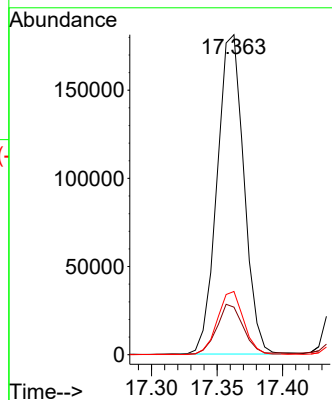
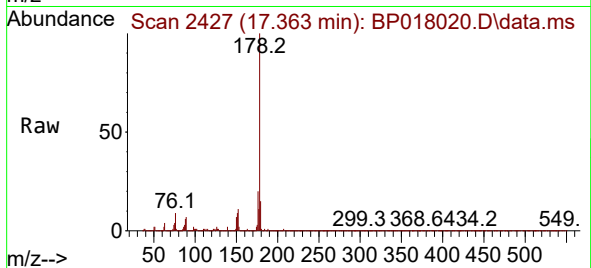
Tgt Ion:178 Resp: 257701

Ion Ratio Lower Upper

178 100

179 14.9 11.6 17.4

176 19.8 15.1 22.7



#74

Anthracene

Concen: 10.791 ng/ul

RT: 17.451 min Scan# 2442

Delta R.T. -0.006 min

Lab File: BP018020.D

Acq: 10 Nov 2023 09:41

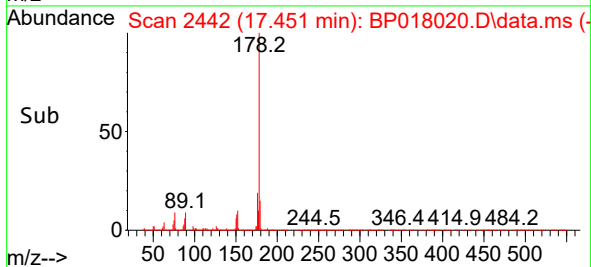
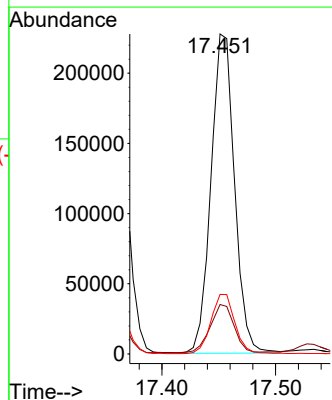
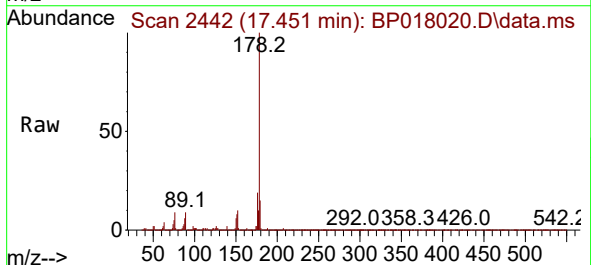
Tgt Ion:178 Resp: 327733

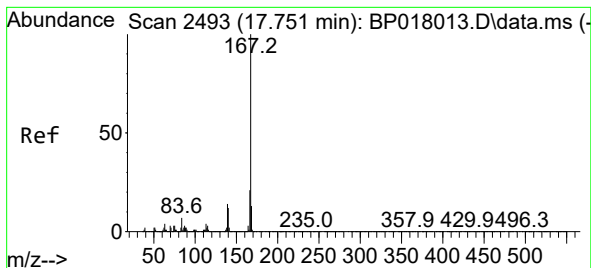
Ion Ratio Lower Upper

178 100

179 15.4 12.9 19.3

176 18.6 15.1 22.7





#77

Carbazole

Concen: 2.855 ng/ul

RT: 17.751 min Scan# 2493

Delta R.T. -0.006 min

Lab File: BP018020.D

Acq: 10 Nov 2023 09:41

Instrument :

BNA_P

ClientSampleId :

DCKJ0

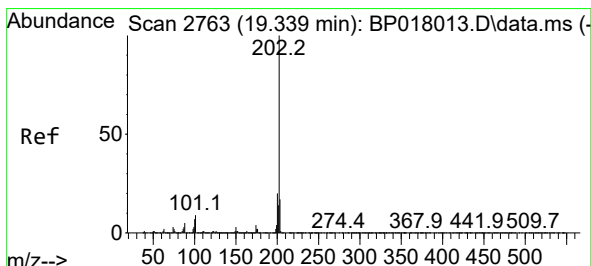
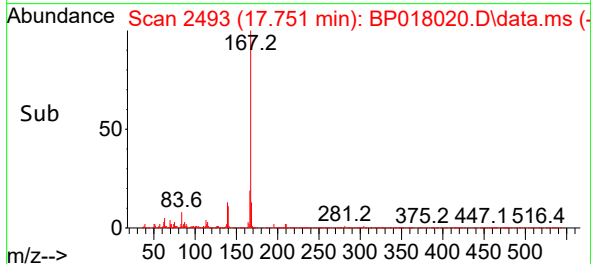
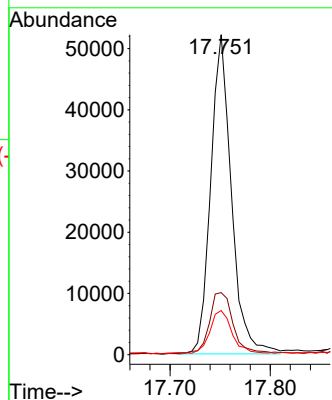
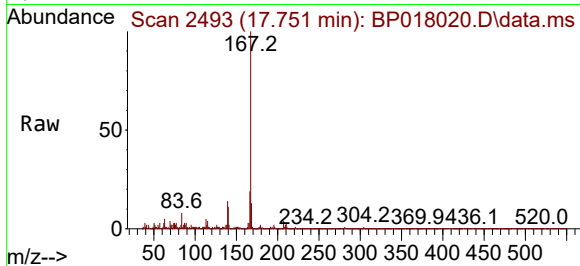
Tgt Ion:167 Resp: 74873

Ion Ratio Lower Upper

167 100

166 19.4 17.2 25.8

139 13.8 11.7 17.5



#80

Fluoranthene

Concen: 23.063 ng/ul

RT: 19.339 min Scan# 2763

Delta R.T. -0.006 min

Lab File: BP018020.D

Acq: 10 Nov 2023 09:41

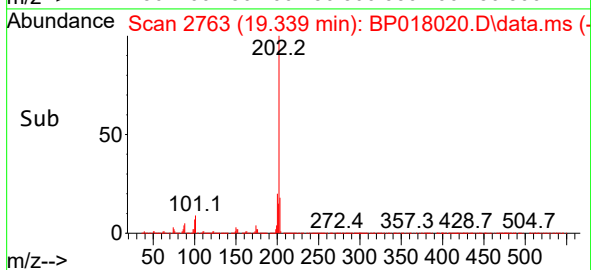
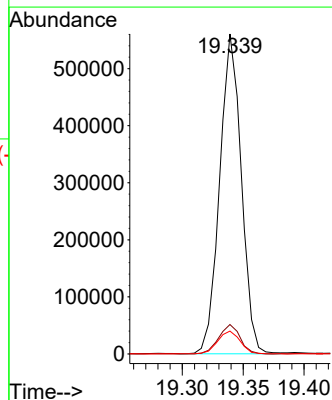
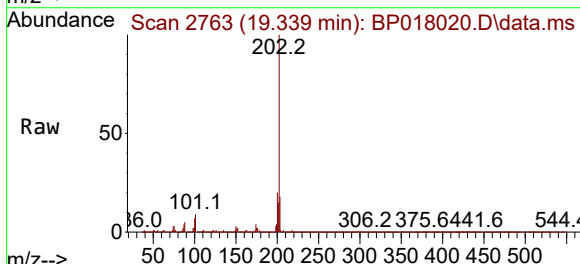
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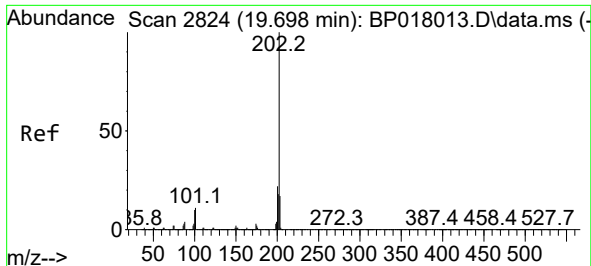
Ion Ratio Lower Upper

202 100

101 9.2 7.4 11.0

100 7.1 5.8 8.6

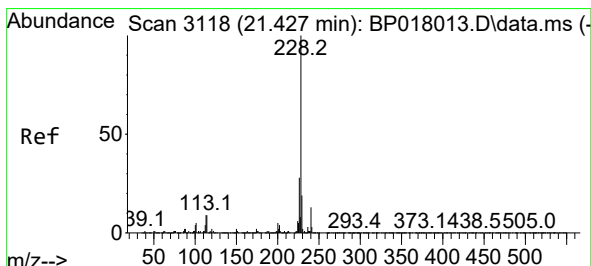
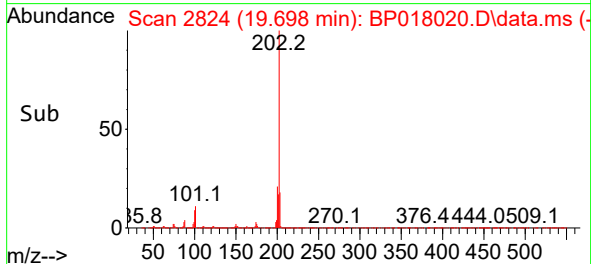
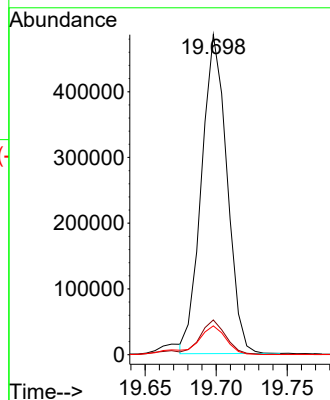
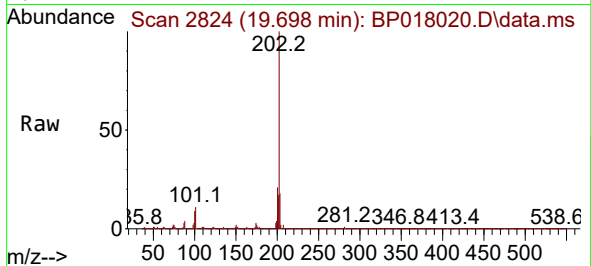




#82
 Pyrene
 Concen: 19.031 ng/ul
 RT: 19.698 min Scan# 2824
 Delta R.T. -0.006 min
 Lab File: BP018020.D
 Acq: 10 Nov 2023 09:41

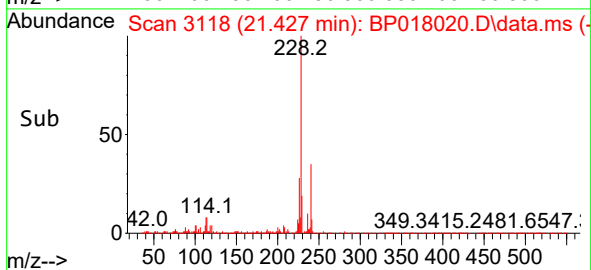
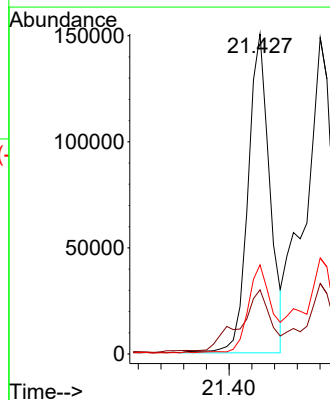
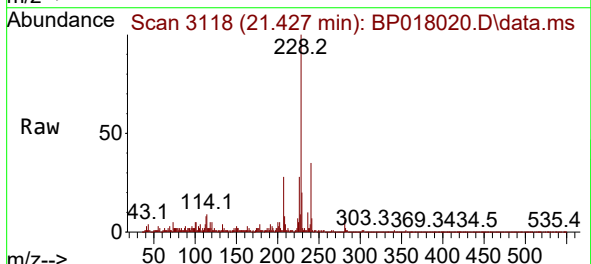
Instrument :
 BNA_P
 ClientSampleId :
 DCKJ0

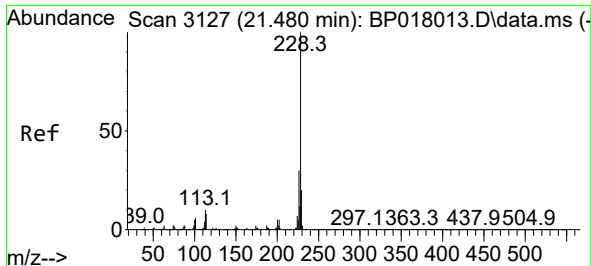
Tgt Ion:202 Resp: 604317
 Ion Ratio Lower Upper
 202 100
 101 10.9 9.0 13.4
 100 9.0 7.8 11.8



#85
 Benzo(a)anthracene
 Concen: 6.145 ng/ul
 RT: 21.427 min Scan# 3118
 Delta R.T. -0.006 min
 Lab File: BP018020.D
 Acq: 10 Nov 2023 09:41

Tgt Ion:228 Resp: 199252
 Ion Ratio Lower Upper
 228 100
 229 20.1 15.6 23.4
 226 27.8 22.3 33.5

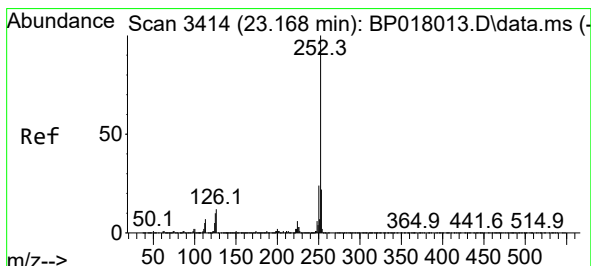
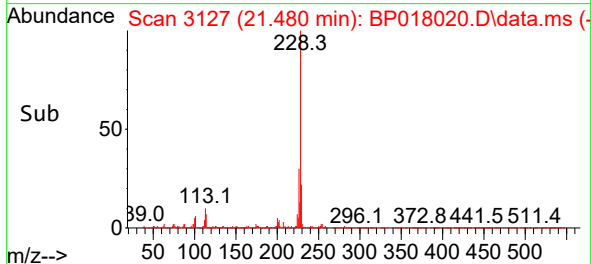
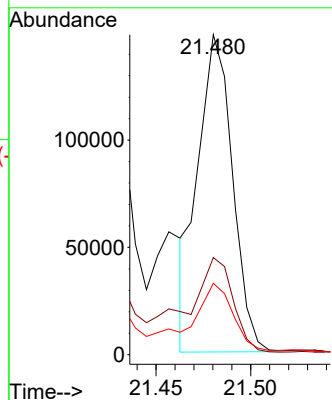
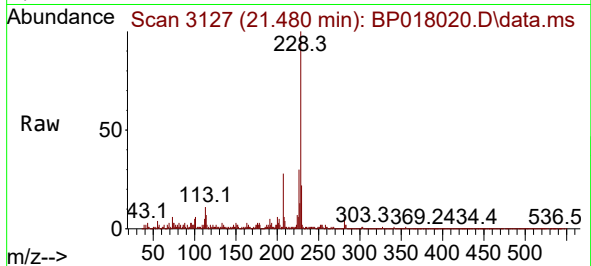




#87
Chrysene
Concen: 6.155 ng/ul
RT: 21.480 min Scan# 3127
Delta R.T. -0.012 min
Lab File: BP018020.D
Acq: 10 Nov 2023 09:41

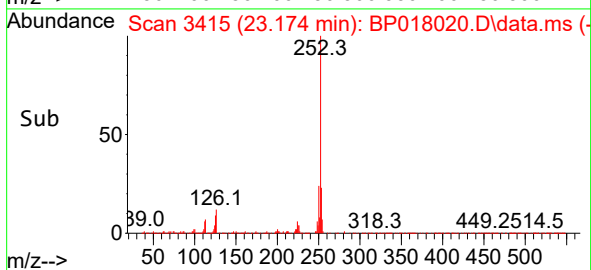
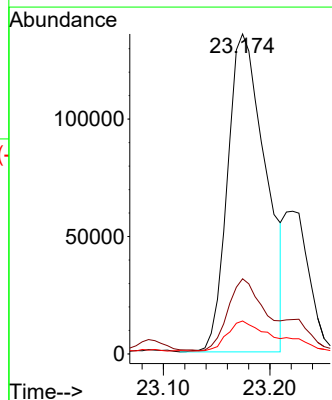
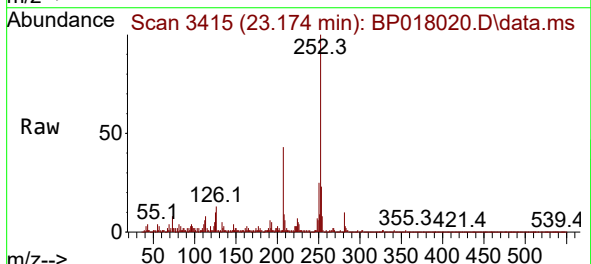
Instrument :
BNA_P
ClientSampleId :
DCKJ0

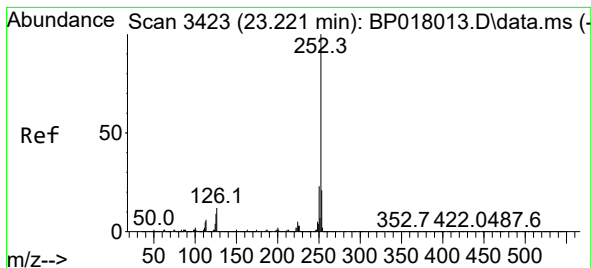
Tgt Ion:228 Resp: 188000
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 22.3 15.4 23.0



#90
Benzo(b)fluoranthene
Concen: 10.532 ng/ul
RT: 23.174 min Scan# 3415
Delta R.T. -0.006 min
Lab File: BP018020.D
Acq: 10 Nov 2023 09:41

Tgt Ion:252 Resp: 335908
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 10.3 7.4 11.2





#91

Benzo(k)fluoranthene

Concen: 10.553 ng/ul

RT: 23.174 min Scan# 34

Delta R.T. -0.059 min

Lab File: BP018020.D

Acq: 10 Nov 2023 09:41

Instrument :

BNA_P

ClientSampleId :

DCKJ0

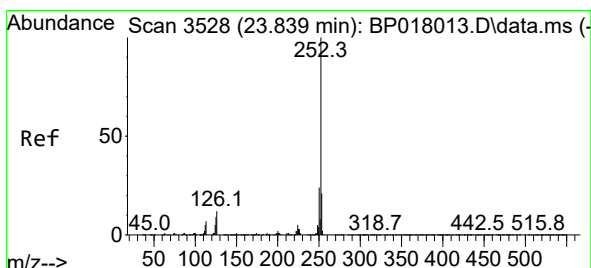
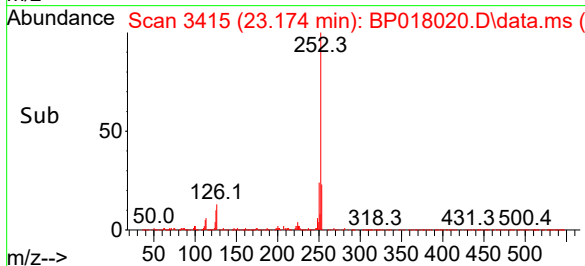
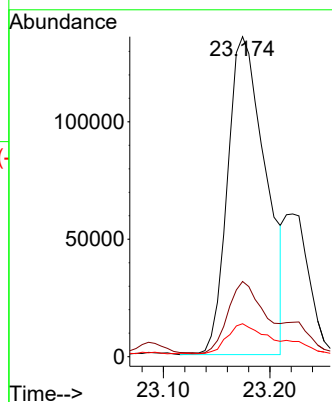
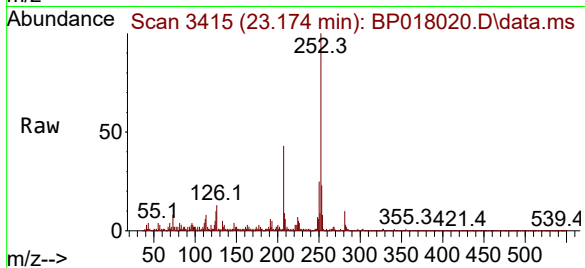
Tgt Ion:252 Resp: 335908

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 10.3 7.4 11.2



#93

Benzo(a)pyrene

Concen: 3.616 ng/ul

RT: 23.839 min Scan# 3528

Delta R.T. -0.012 min

Lab File: BP018020.D

Acq: 10 Nov 2023 09:41

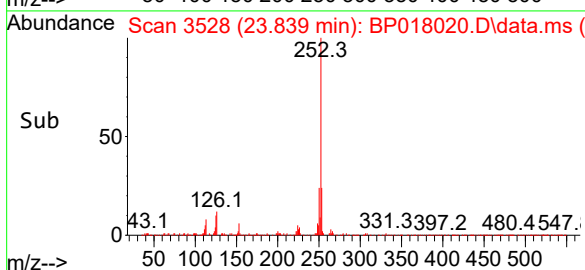
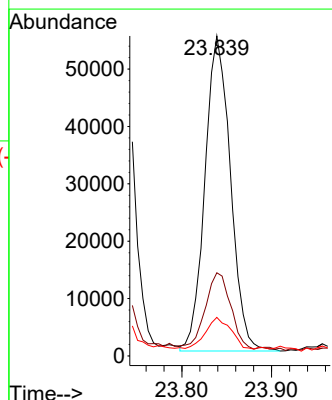
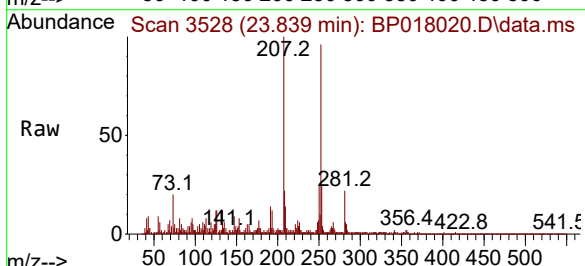
Tgt Ion:252 Resp: 108698

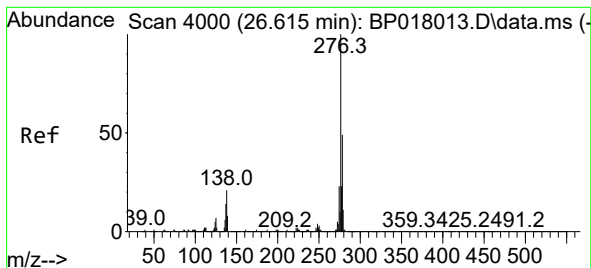
Ion Ratio Lower Upper

252 100

253 26.0 17.4 26.0

125 12.0 7.8 11.8#





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.457 ng/ul

RT: 26.615 min Scan# 4000

Delta R.T. -0.018 min

Lab File: BP018020.D

Acq: 10 Nov 2023 09:41

Instrument :

BNA_P

ClientSampleId :

DCKJ0

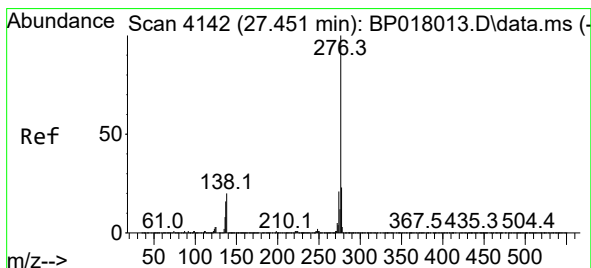
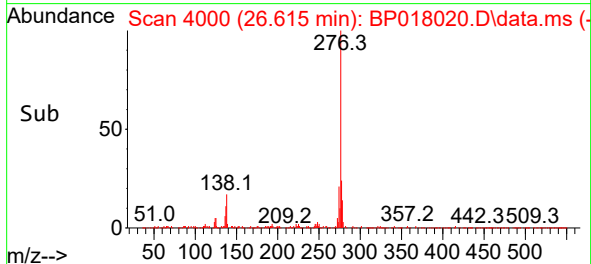
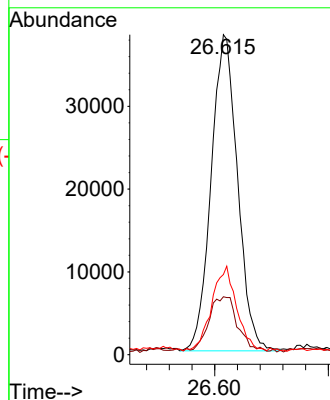
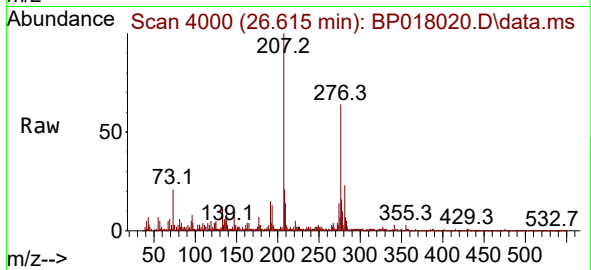
Tgt Ion:276 Resp: 123172

Ion Ratio Lower Upper

276 100

138 18.1 16.2 24.4

277 25.0 18.8 28.2



#96

Benzo(g,h,i)perylene

Concen: 4.711 ng/ul

RT: 27.456 min Scan# 4143

Delta R.T. -0.012 min

Lab File: BP018020.D

Acq: 10 Nov 2023 09:41

Tgt Ion:276 Resp: 133940

Ion Ratio Lower Upper

276 100

138 17.4 15.0 22.6

277 23.3 19.0 28.6

