

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072623\
 Data File : BP016385.D
 Acq On : 26 Jul 2023 20:57
 Operator : MA/JU
 Sample : 03534-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4733

Quant Time: Jul 26 23:47:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP072523.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 25 23:56:16 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	452869	20.000	ng/u1	0.00
20) Naphthalene-d8	10.928	136	1941398	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.734	164	1164448	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.498	188	2458712	20.000	ng/u1	0.00
79) Chrysene-d12	21.592	240	1865872	20.000	ng/u1	0.00
88) Perylene-d12	24.192	264	1759670	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.428	96	23742	2.067	ng/uL	0.00
4) Pyridine-d5	3.858	84	341760	10.488	ng/u1	0.00
7) Phenol-d5	7.222	99	467150	12.327	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.428	67	277190	12.183	ng/u1	0.00
11) 2-Chlorophenol-d4	7.610	132	356658	12.063	ng/u1	0.00
15) 4-Methylphenol-d8	8.787	113	327107	10.733	ng/u1	0.00
21) Nitrobenzene-d5	9.287	128	167278	13.993	ng/u1	0.00
24) 2-Nitrophenol-d4	10.004	143	135999	13.794	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.528	165	344425	12.603	ng/u1	0.00
31) 4-Chloroaniline-d4	11.081	131	26703	0.628	ng/u1	0.00
46) Dimethylphthalate-d6	14.145	166	1055654	12.387	ng/u1	-0.01
49) Acenaphthylene-d8	14.434	160	1216718	12.085	ng/u1	0.00
54) 4-Nitrophenol-d4	14.916	143	126560	8.863	ng/u1	0.00
60) Fluorene-d10	15.728	176	940117	12.967	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.839	200	21742	2.685	ng/u1	0.00
73) Anthracene-d10	17.598	188	1353454	12.427	ng/u1	0.00
81) Pyrene-d10	19.827	212	1574809	14.864	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.015	264	1106667	13.035	ng/u1	-0.02
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.246	77	23537	1.138	ng/u1	94
8) Phenol	7.252	94	69343	1.760	ng/u1	98
16) Acetophenone	8.940	105	177492	3.690	ng/u1	99
47) Dimethylphthalate	14.192	163	115119	1.339	ng/u1	100
50) Acenaphthylene	14.463	152	781597	6.814	ng/u1	99
52) Acenaphthene	14.798	153	228491	3.089	ng/u1	97
56) Dibenzofuran	15.134	168	217140	2.145	ng/u1	100
61) Fluorene	15.786	166	838222	10.192	ng/u1	98
72) Phenanthrene	17.545	178	10832465	84.666	ng/u1	98
74) Anthracene	17.633	178	2629350	20.175	ng/u1	99
77) Carbazole	17.904	167	216415	1.929	ng/u1	96
80) Fluoranthene	19.504	202	11310759	89.062	ng/u1	99
82) Pyrene	19.857	202	11207314	85.417	ng/u1	99
85) Benzo(a)anthracene	21.574	228	5178720	40.977	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.468	149	170257	2.247	ng/u1	98
87) Chrysene	21.633	228	4433583	37.883	ng/u1	97
90) Benzo(b)fluoranthene	23.386	252	4173716	39.606	ng/u1	99
91) Benzo(k)fluoranthene	23.386	252	4173716	39.798	ng/u1	99
93) Benzo(a)pyrene	24.074	252	3010281	30.331	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.962	276	1570185	13.701	ng/u1	98
95) Dibenzo(a,h)anthracene	26.974	278	229633	2.423	ng/u1#	81
96) Benzo(g,h,i)perylene	27.827	276	1222277	13.472	ng/u1	99

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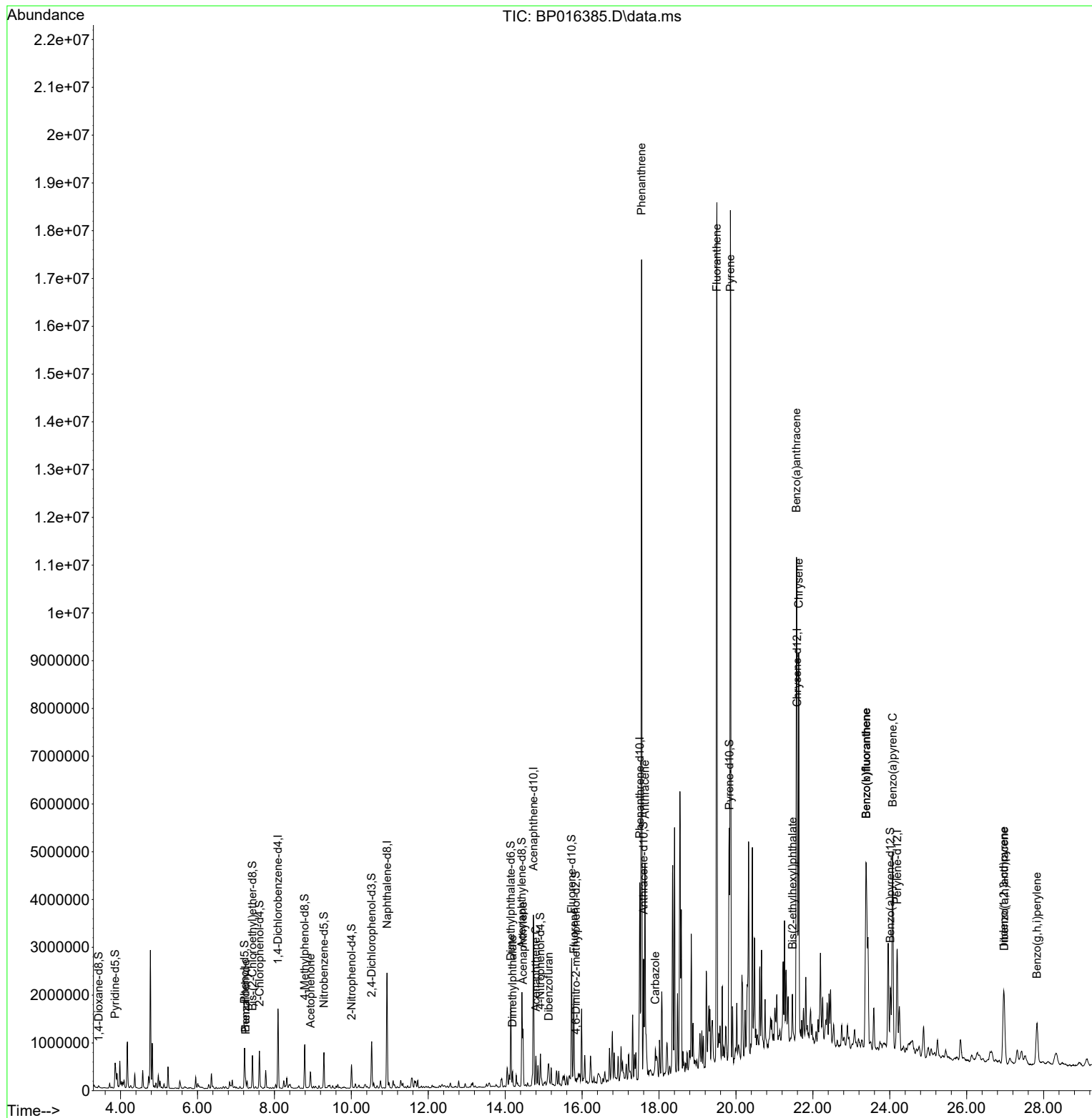
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

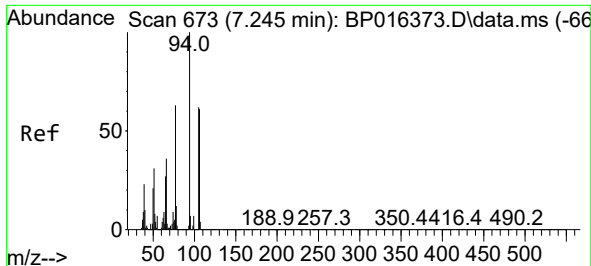
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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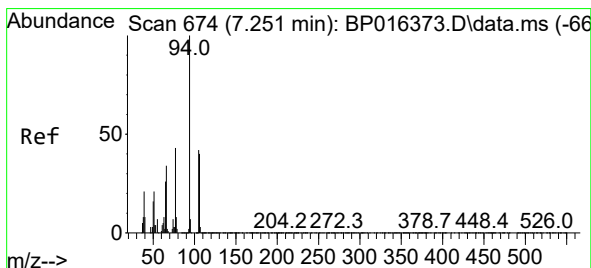
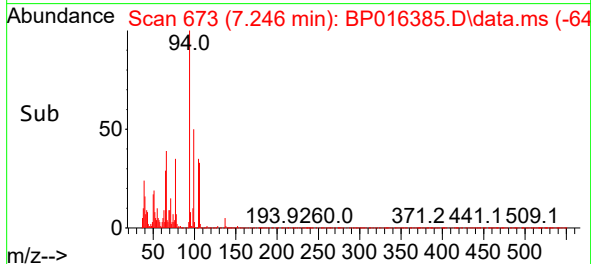
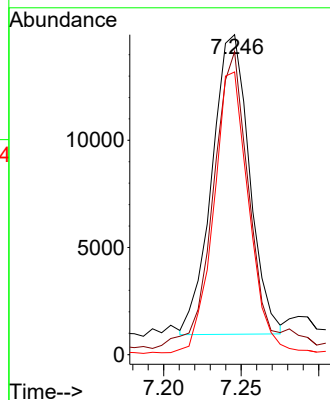
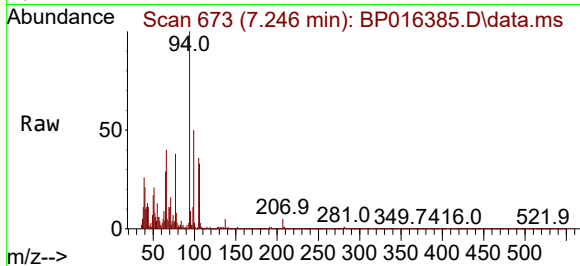




#6
Benzaldehyde
Concen: 1.138 ng/ul
RT: 7.246 min Scan# 61
Delta R.T. -0.003 min
Lab File: BP016385.D
Acq: 26 Jul 2023 20:57

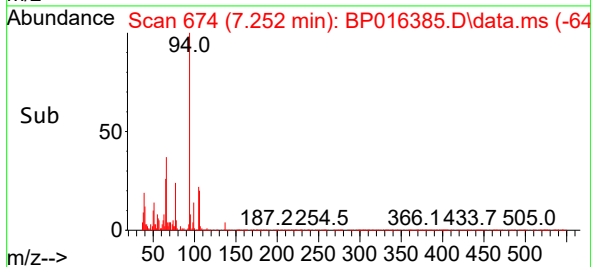
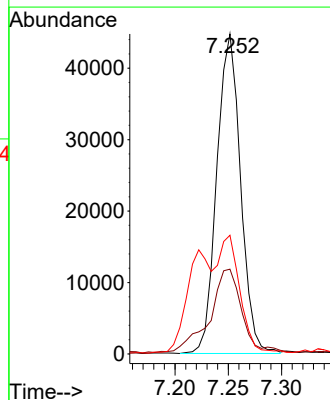
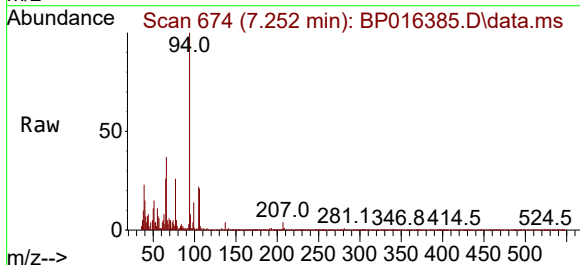
Instrument :
BNA_P
ClientSampleId :
A4733

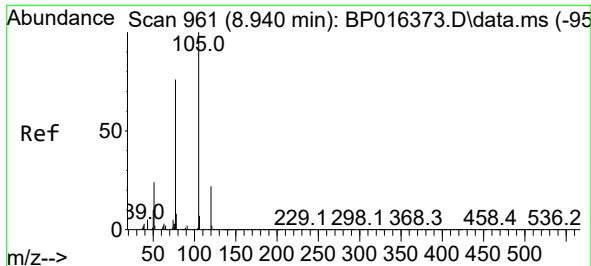
Tgt Ion: 77 Resp: 23537
Ion Ratio Lower Upper
77 100
105 94.7 80.2 120.2
106 88.3 76.5 114.7



#8
Phenol
Concen: 1.760 ng/ul
RT: 7.252 min Scan# 674
Delta R.T. -0.003 min
Lab File: BP016385.D
Acq: 26 Jul 2023 20:57

Tgt Ion: 94 Resp: 69343
Ion Ratio Lower Upper
94 100
65 26.5 21.4 32.2
66 37.1 28.2 42.4

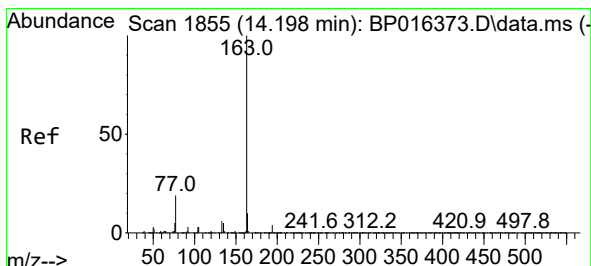
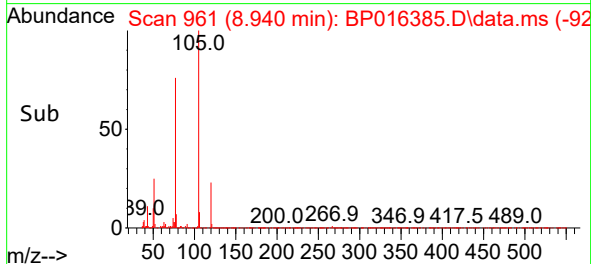
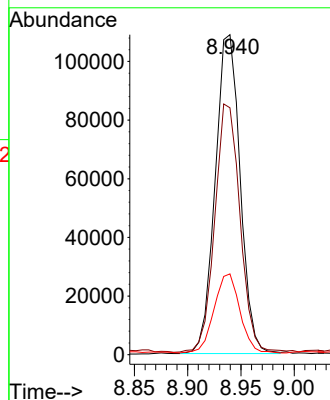
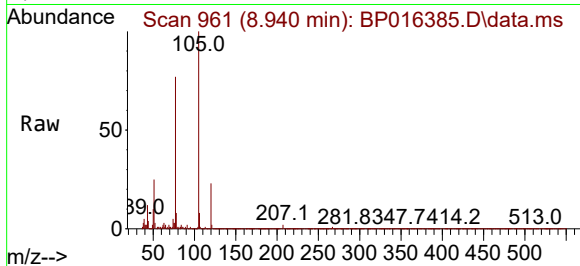




#16
Acetophenone
Concen: 3.690 ng/ul
RT: 8.940 min Scan# 961
Delta R.T. -0.009 min
Lab File: BP016385.D
Acq: 26 Jul 2023 20:57

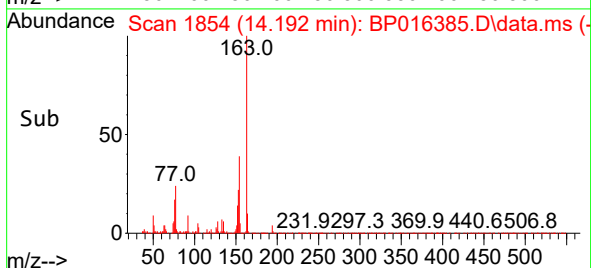
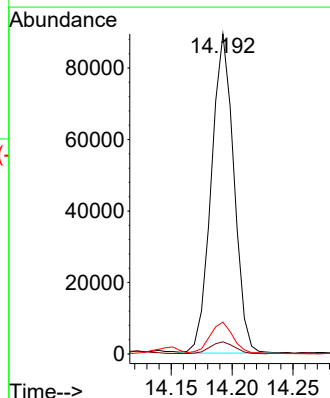
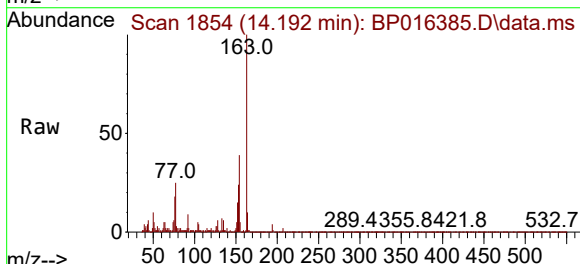
Instrument :
BNA_P
ClientSampleId :
A4733

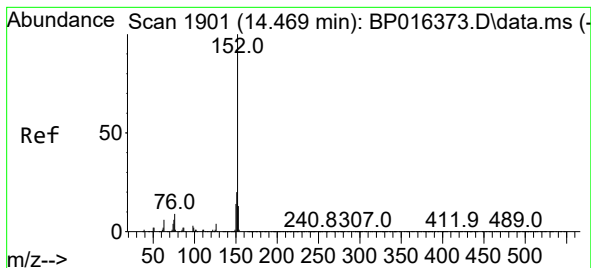
Tgt Ion:105 Resp: 177492
Ion Ratio Lower Upper
105 100
77 77.2 61.2 91.8
51 25.2 19.1 28.7



#47
Dimethylphthalate
Concen: 1.339 ng/ul
RT: 14.192 min Scan# 1854
Delta R.T. -0.015 min
Lab File: BP016385.D
Acq: 26 Jul 2023 20:57

Tgt Ion:163 Resp: 115119
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.0 7.9 11.9





#50

Acenaphthylene

Concen: 6.814 ng/ul

RT: 14.463 min Scan# 1900

Delta R.T. -0.009 min

Lab File: BP016385.D

Acq: 26 Jul 2023 20:57

Instrument :

BNA_P

ClientSampleId :

A4733

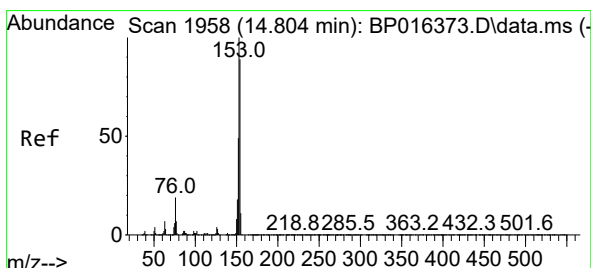
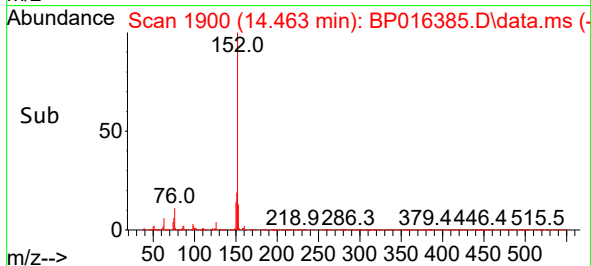
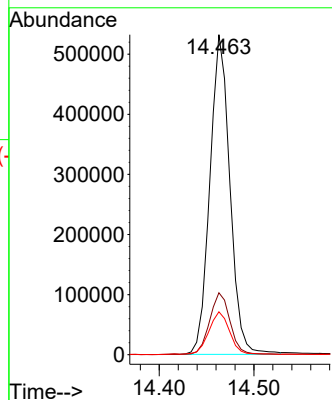
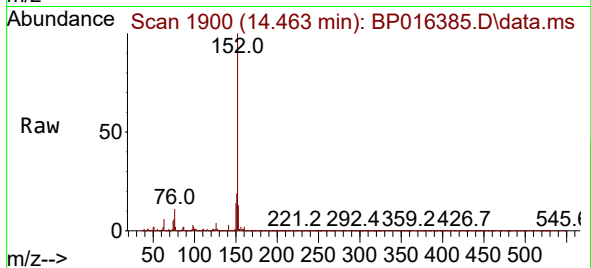
Tgt Ion:152 Resp: 781597

Ion Ratio Lower Upper

152 100

151 19.3 16.0 24.0

153 13.4 10.6 16.0



#52

Acenaphthene

Concen: 3.089 ng/ul

RT: 14.798 min Scan# 1957

Delta R.T. -0.009 min

Lab File: BP016385.D

Acq: 26 Jul 2023 20:57

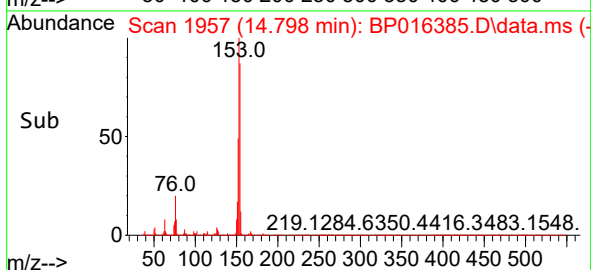
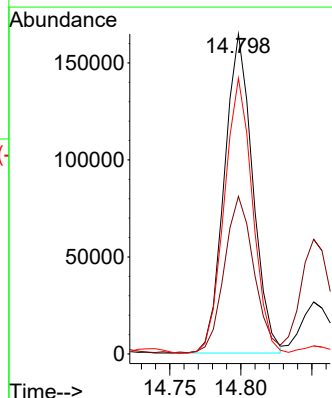
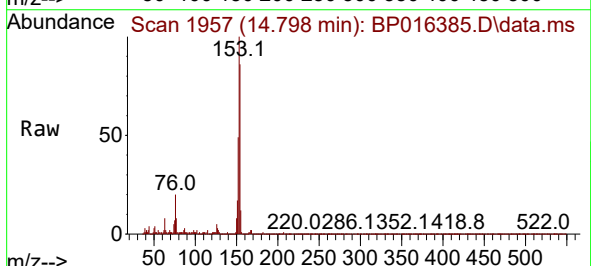
Tgt Ion:153 Resp: 228491

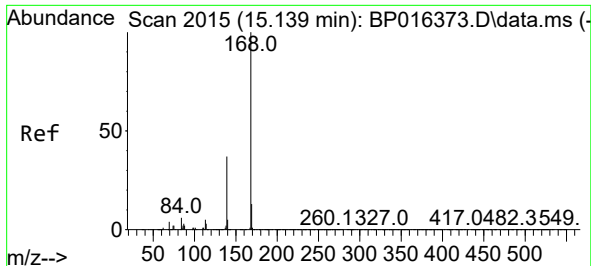
Ion Ratio Lower Upper

153 100

152 49.3 38.8 58.2

154 86.2 71.7 107.5

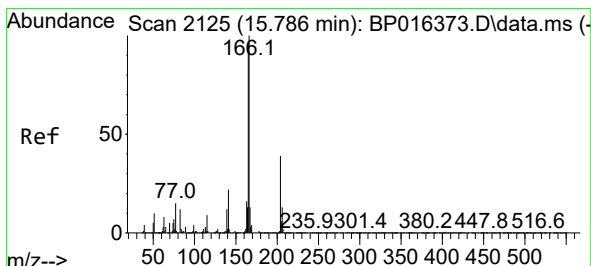
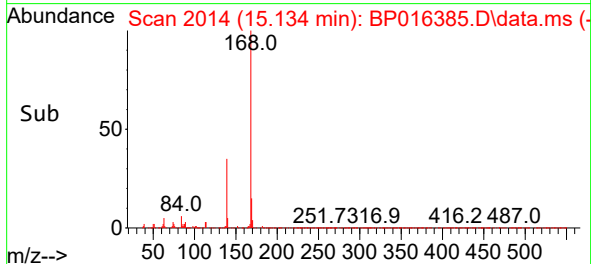
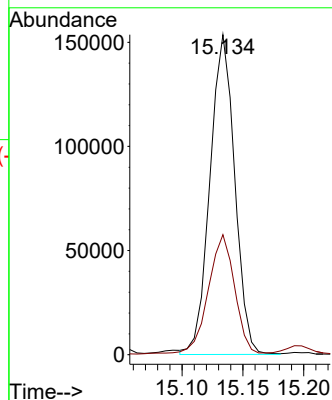
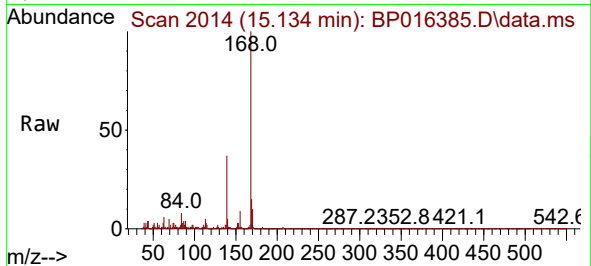




#56
Dibenzenofuran
Concen: 2.145 ng/ul
RT: 15.134 min Scan# 2015
Delta R.T. -0.009 min
Lab File: BP016385.D
Acq: 26 Jul 2023 20:57

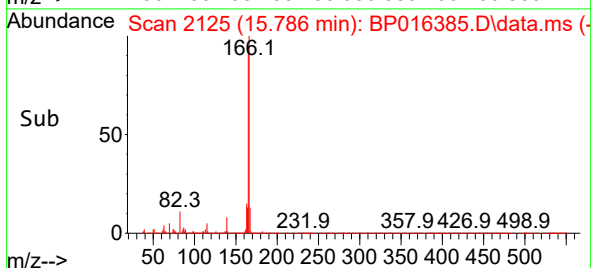
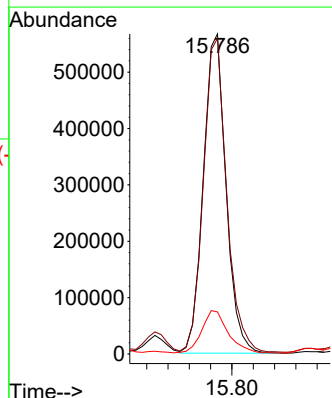
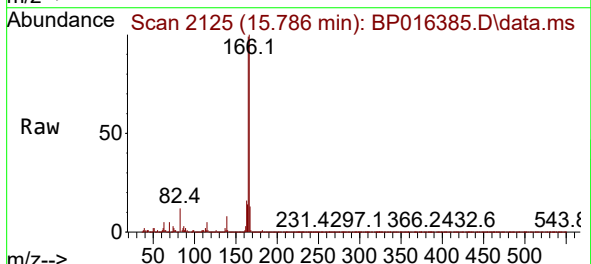
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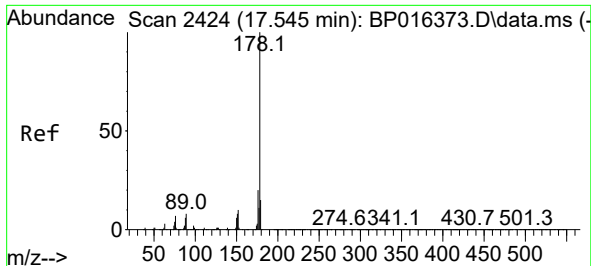
Tgt Ion:168 Resp: 217140
Ion Ratio Lower Upper
168 100
139 37.5 30.0 45.0



#61
Fluorene
Concen: 10.192 ng/ul
RT: 15.786 min Scan# 2125
Delta R.T. -0.009 min
Lab File: BP016385.D
Acq: 26 Jul 2023 20:57

Tgt Ion:166 Resp: 838222
Ion Ratio Lower Upper
166 100
165 98.6 77.0 115.4
167 13.2 10.6 15.8

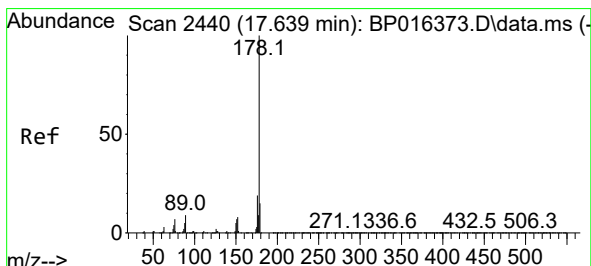
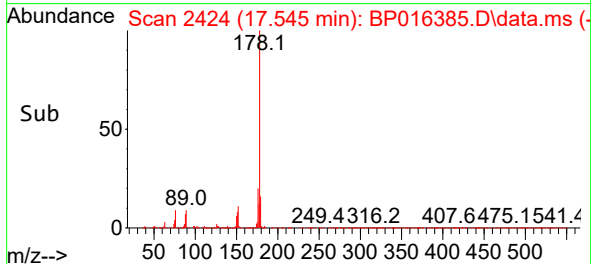
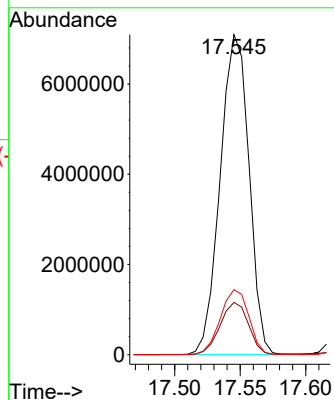
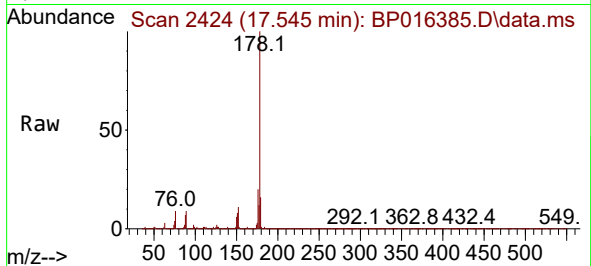




#72
Phenanthrene
Concen: 84.666 ng/ul
RT: 17.545 min Scan# 2424
Delta R.T. -0.009 min
Lab File: BP016385.D
Acq: 26 Jul 2023 20:57

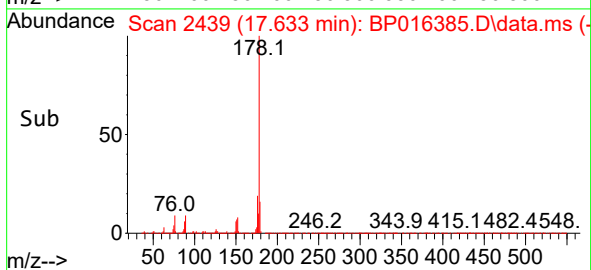
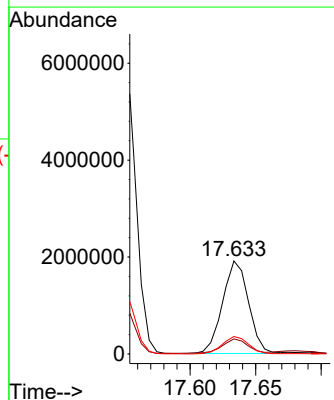
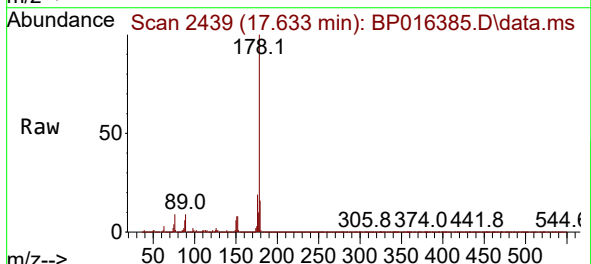
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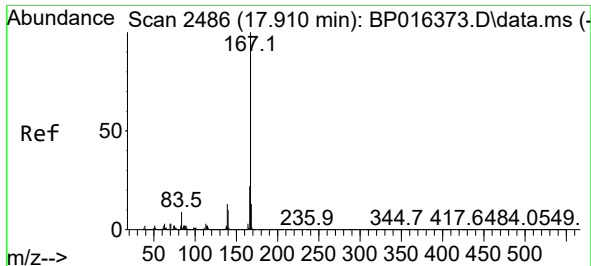
Tgt Ion:178 Resp:10832465
Ion Ratio Lower Upper
178 100
179 16.3 12.3 18.5
176 20.3 15.4 23.0



#74
Anthracene
Concen: 20.175 ng/ul
RT: 17.633 min Scan# 2439
Delta R.T. -0.009 min
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Acq: 26 Jul 2023 20:57

Tgt Ion:178 Resp: 2629350
Ion Ratio Lower Upper
178 100
179 16.1 12.3 18.5
176 18.8 15.1 22.7

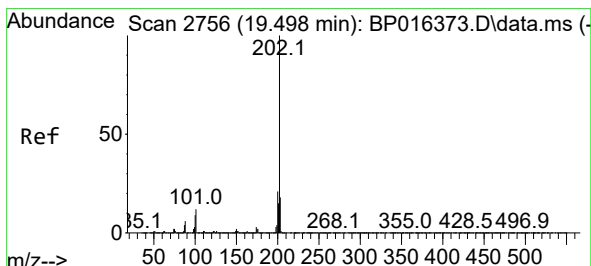
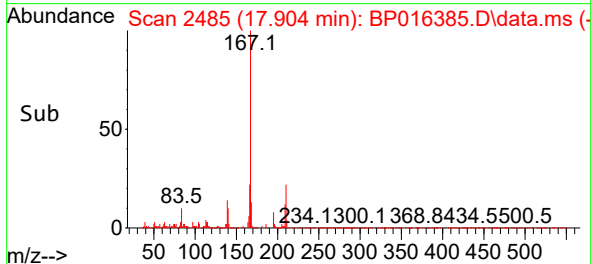
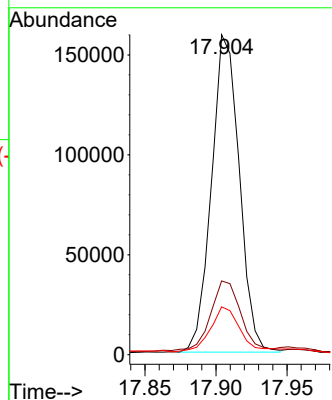
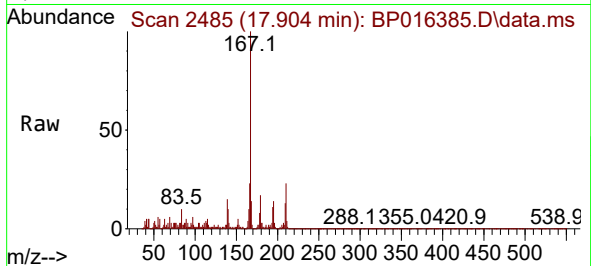




#77
 Carbazole
 Concen: 1.929 ng/ul
 RT: 17.904 min Scan# 2486
 Delta R.T. -0.015 min
 Lab File: BP016385.D
 Acq: 26 Jul 2023 20:57

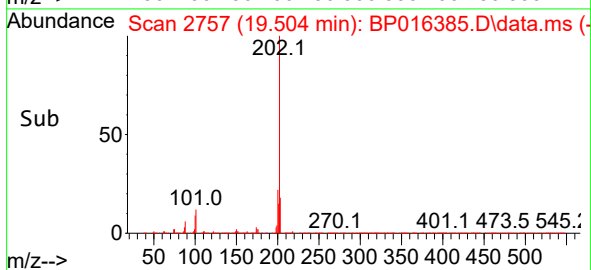
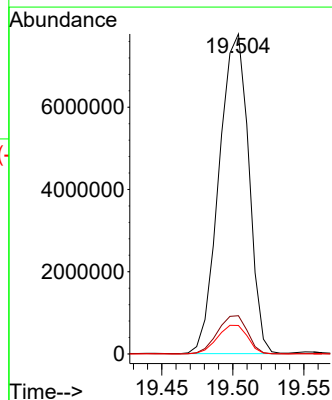
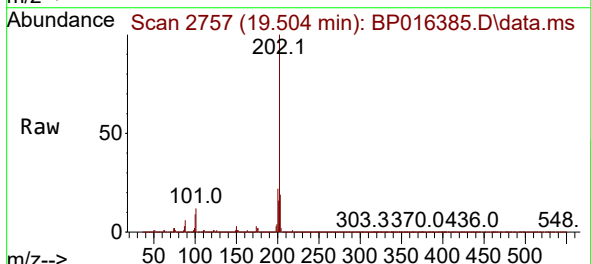
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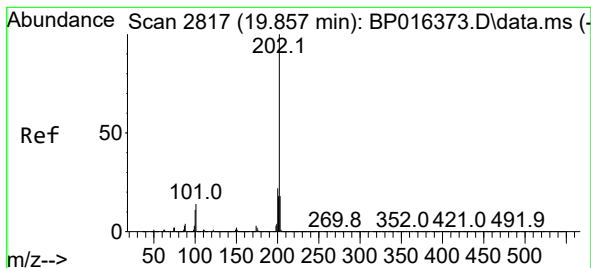
Tgt Ion:167 Resp: 216415
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.3 25.9
 139 15.0 10.4 15.6



#80
 Fluoranthene
 Concen: 89.062 ng/ul
 RT: 19.504 min Scan# 2757
 Delta R.T. -0.003 min
 Lab File: BP016385.D
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Tgt Ion:202 Resp:11310759
 Ion Ratio Lower Upper
 202 100
 101 11.9 9.1 13.7
 100 8.9 7.1 10.7





#82

Pyrene

Concen: 85.417 ng/ul

RT: 19.857 min Scan# 21

Delta R.T. -0.003 min

Lab File: BP016385.D

Acq: 26 Jul 2023 20:57

Instrument :

BNA_P

ClientSampleId :

A4733

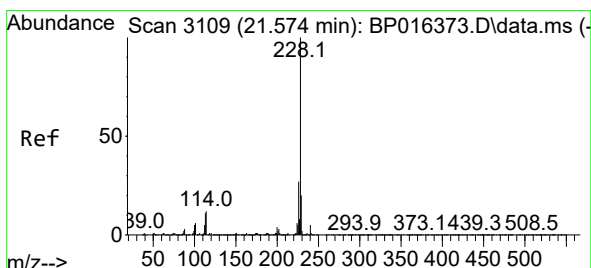
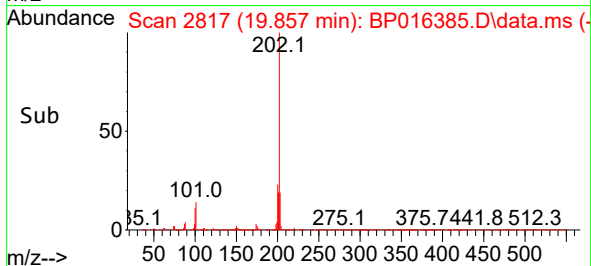
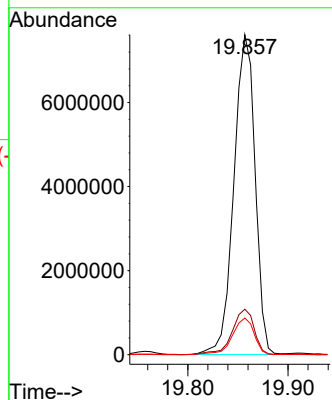
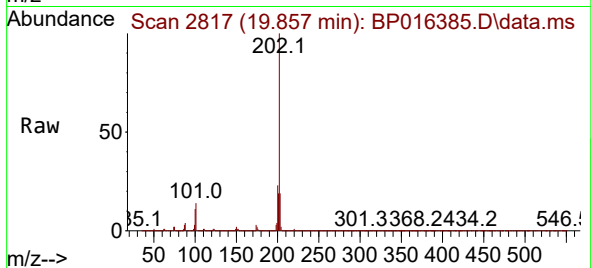
Tgt Ion:202 Resp:11207314

Ion Ratio Lower Upper

202 100

101 14.2 11.2 16.8

100 11.4 9.4 14.0



#85

Benzo(a)anthracene

Concen: 40.977 ng/ul

RT: 21.574 min Scan# 3109

Delta R.T. -0.009 min

Lab File: BP016385.D

Acq: 26 Jul 2023 20:57

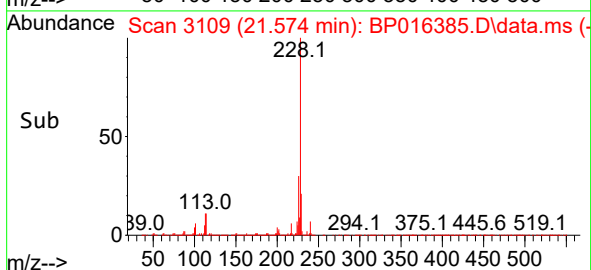
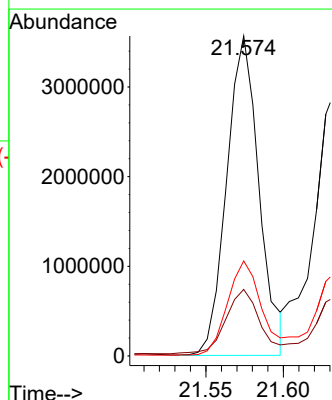
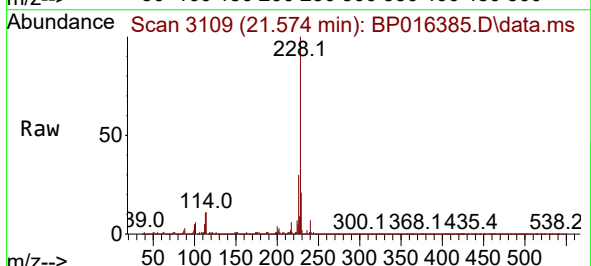
Tgt Ion:228 Resp: 5178720

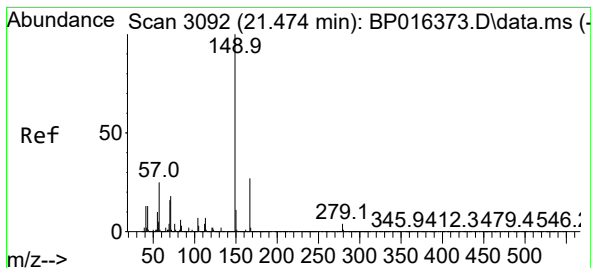
Ion Ratio Lower Upper

228 100

229 20.8 15.9 23.9

226 29.7 22.0 33.0

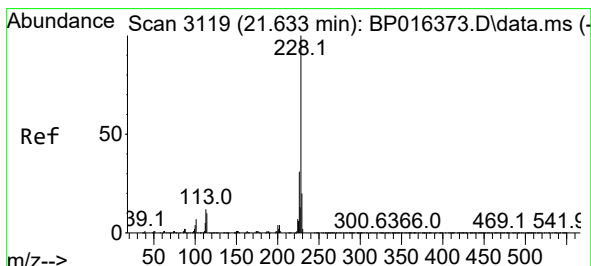
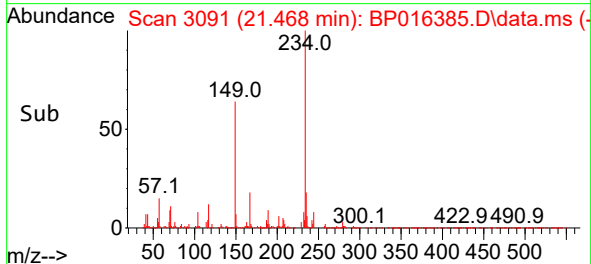
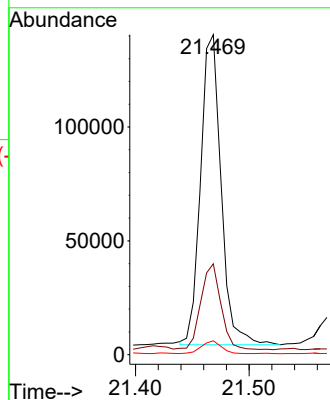
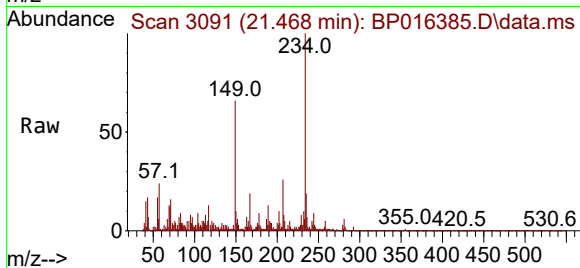




#86
Bis(2-ethylhexyl)phthalate
Concen: 2.247 ng/ul
RT: 21.468 min Scan# 3092
Delta R.T. -0.015 min
Lab File: BP016385.D
Acq: 26 Jul 2023 20:57

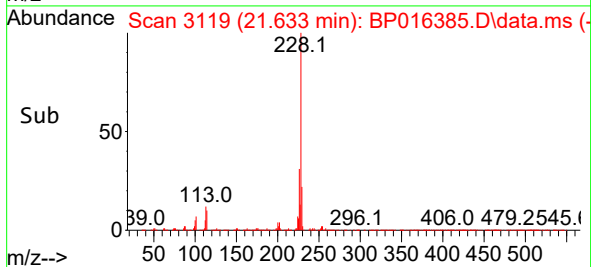
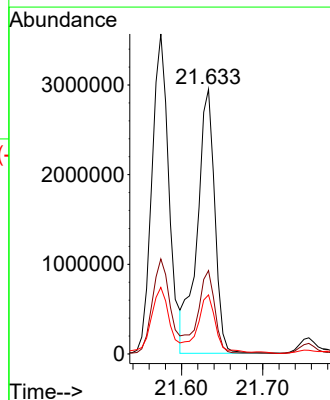
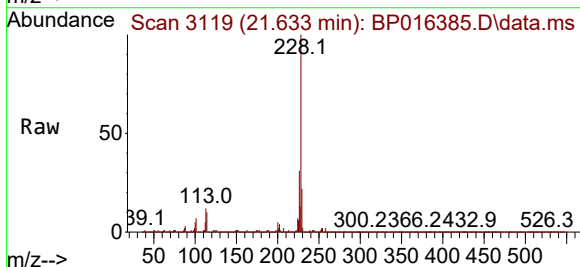
Instrument :
BNA_P
ClientSampleId :
A4733

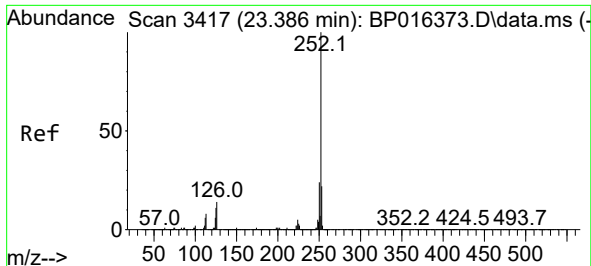
Tgt Ion:149 Resp: 170257
Ion Ratio Lower Upper
149 100
167 28.4 21.7 32.5
279 4.4 3.0 4.4



#87
Chrysene
Concen: 37.883 ng/ul
RT: 21.633 min Scan# 3119
Delta R.T. -0.009 min
Lab File: BP016385.D
Acq: 26 Jul 2023 20:57

Tgt Ion:228 Resp: 4433583
Ion Ratio Lower Upper
228 100
226 31.5 24.5 36.7
229 22.3 15.6 23.4

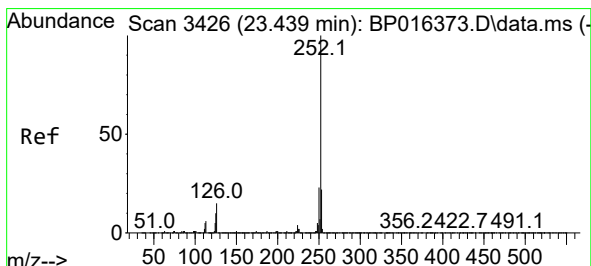
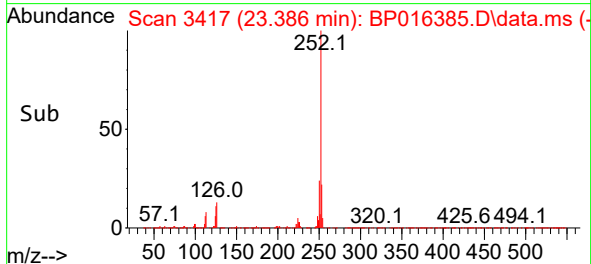
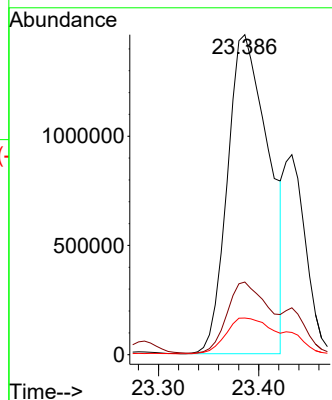
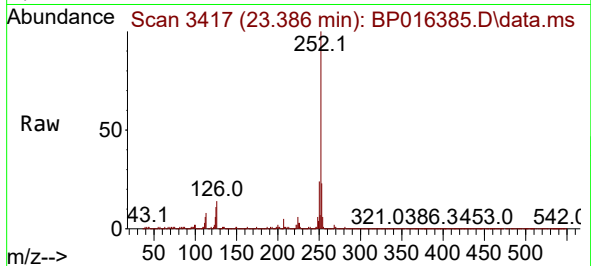




#90
Benzo(b)fluoranthene
Concen: 39.606 ng/ul
RT: 23.386 min Scan# 3417
Delta R.T. -0.009 min
Lab File: BP016385.D
Acq: 26 Jul 2023 20:57

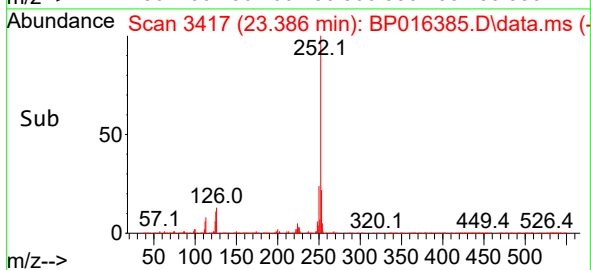
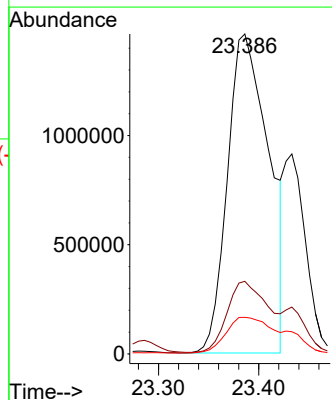
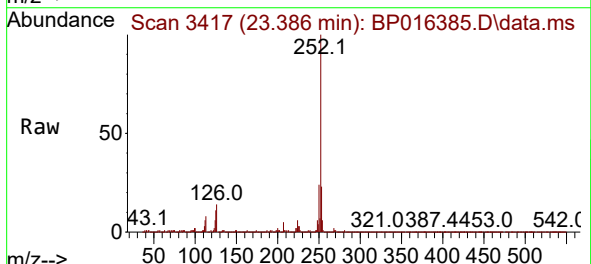
Instrument :
BNA_P
ClientSampleId :
A4733

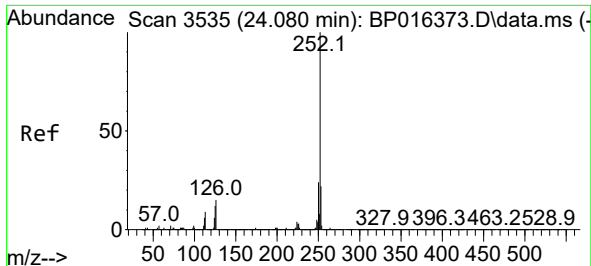
Tgt Ion:252 Resp: 4173716
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 11.5 8.8 13.2



#91
Benzo(k)fluoranthene
Concen: 39.798 ng/ul
RT: 23.386 min Scan# 3417
Delta R.T. -0.062 min
Lab File: BP016385.D
Acq: 26 Jul 2023 20:57

Tgt Ion:252 Resp: 4173716
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 11.5 9.0 13.6

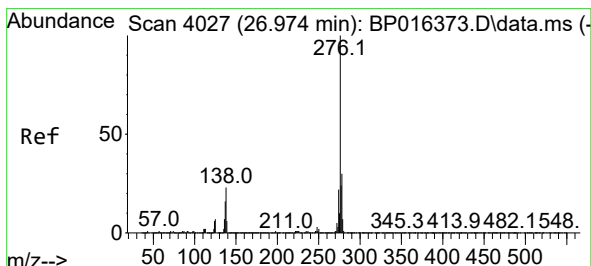
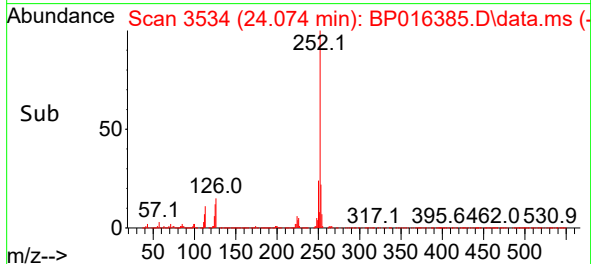
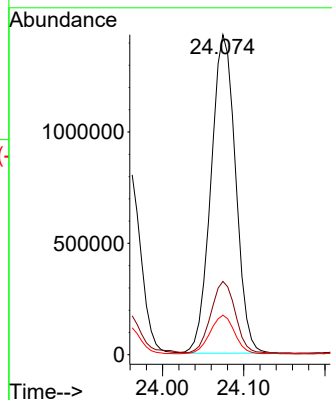
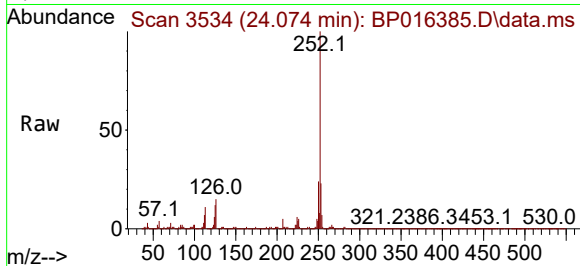




#93
Benzo(a)pyrene
Concen: 30.331 ng/ul
RT: 24.074 min Scan# 31
Delta R.T. -0.015 min
Lab File: BP016385.D
Acq: 26 Jul 2023 20:57

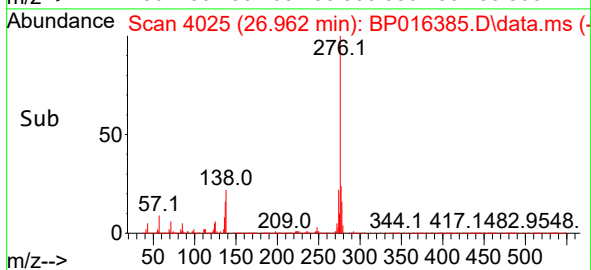
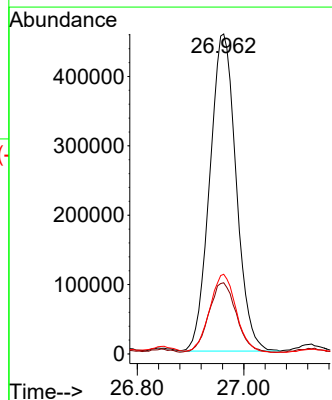
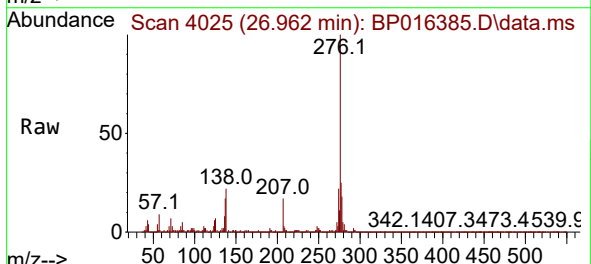
Instrument :
BNA_P
ClientSampleId :
A4733

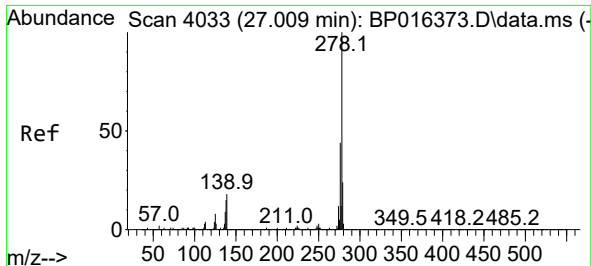
Tgt Ion:252 Resp: 3010281
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 12.3 9.4 14.0



#94
Indeno(1,2,3-cd)pyrene
Concen: 13.701 ng/ul
RT: 26.962 min Scan# 4025
Delta R.T. -0.027 min
Lab File: BP016385.D
Acq: 26 Jul 2023 20:57

Tgt Ion:276 Resp: 1570185
Ion Ratio Lower Upper
276 100
138 22.3 18.1 27.1
277 24.9 19.0 28.4

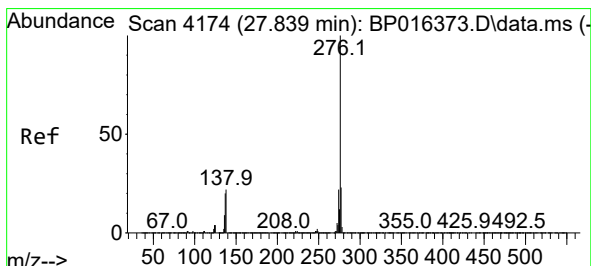
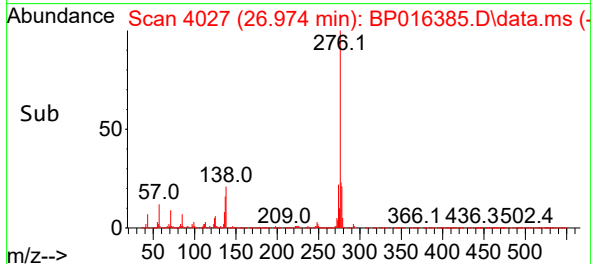
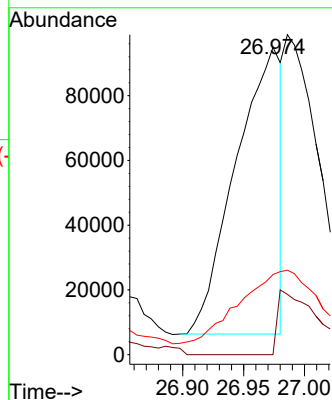
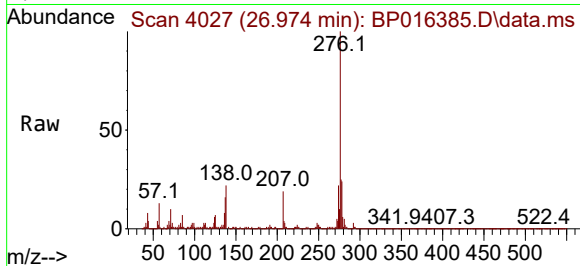




#95
Dibenzo(a,h)anthracene
Concen: 2.423 ng/ul
RT: 26.974 min Scan# 4033
Delta R.T. -0.050 min
Lab File: BP016385.D
Acq: 26 Jul 2023 20:57

Instrument :
BNA_P
ClientSampleId :
A4733

Tgt Ion:278 Resp: 229633
Ion Ratio Lower Upper
278 100
139 0.0 14.2 21.2#
279 26.1 19.4 29.2



#96
Benzo(g,h,i)perylene
Concen: 13.472 ng/ul
RT: 27.827 min Scan# 4172
Delta R.T. -0.033 min
Lab File: BP016385.D
Acq: 26 Jul 2023 20:57

Tgt Ion:276 Resp: 1222277
Ion Ratio Lower Upper
276 100
138 23.0 17.8 26.6
277 24.2 19.0 28.4

