

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070423\
 Data File : BP015977.D
 Acq On : 04 Jul 2023 15:42
 Operator : MA/JU
 Sample : 03244-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGE7

Quant Time: Jul 04 21:57:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 06:12:16 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.040	152	446620	20.000	ng/ul	0.00
20) Naphthalene-d8	10.863	136	1938029	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.692	164	1154564	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.451	188	2292048	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.545	240	1362103	20.000	ng/ul	# 0.00
88) Perylene-d12	24.086	264	1736211	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	39265	3.163	ng/uL	0.00
4) Pyridine-d5	3.817	84	416037	13.295	ng/ul	0.00
7) Phenol-d5	7.228	99	699780	18.312	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.363	67	554326	23.447	ng/ul	0.00
11) 2-Chlorophenol-d4	7.575	132	630974	21.874	ng/ul	0.00
15) 4-Methylphenol-d8	8.781	113	568767	18.841	ng/ul	0.00
21) Nitrobenzene-d5	9.228	128	331783	22.401	ng/ul	0.00
24) 2-Nitrophenol-d4	9.957	143	363781	21.044	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.528	165	579799	18.822	ng/ul	0.02
31) 4-Chloroaniline-d4	11.040	131	634910	16.045	ng/ul	0.01
46) Dimethylphthalate-d6	14.098	166	1985616	22.251	ng/ul	0.00
49) Acenaphthylene-d8	14.387	160	2286071	22.789	ng/ul	0.00
54) 4-Nitrophenol-d4	14.998	143	110423	9.377	ng/ul	0.05
60) Fluorene-d10	15.686	176	1668507	22.707	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.863	200	128993	9.151	ng/ul	0.00
73) Anthracene-d10	17.557	188	2313708	22.099	ng/ul	0.00
81) Pyrene-d10	19.786	212	2205234	24.794	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.921	264	2050659	23.414	ng/ul	0.00
Target Compounds						
30) Naphthalene	10.916	128	1004998	9.539	ng/ul	99
36) 2-Methylnaphthalene	12.534	142	302910	4.368	ng/ul	99
37) 1-Methylnaphthalene	12.751	142	200400	2.832	ng/ul	100
43) 1,1'-Biphenyl	13.534	154	97369	1.065	ng/ul	97
50) Acenaphthylene	14.416	152	121834	1.102	ng/ul#	96
52) Acenaphthene	14.757	153	832471	10.861	ng/ul	97
56) Dibenzofuran	15.098	168	829847	7.799	ng/ul	94
61) Fluorene	15.745	166	981399	11.371	ng/ul	99
72) Phenanthrene	17.504	178	10112158	81.211	ng/ul	98
74) Anthracene	17.592	178	2802658	22.400	ng/ul	99
77) Carbazole	17.869	167	2137834	20.272	ng/ul	100
80) Fluoranthene	19.469	202	12093586	109.407	ng/ul	99
82) Pyrene	19.816	202	9574763	84.915	ng/ul#	94
85) Benzo(a)anthracene	21.527	228	5497018	57.370	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.404	149	69202	1.095	ng/ul	98
87) Chrysene	21.586	228	5168062	56.850	ng/ul	95
90) Benzo(b)fluoranthene	23.310	252	6933772	62.153	ng/ul#	96
91) Benzo(k)fluoranthene	23.310	252	6933772	61.516	ng/ul#	95
93) Benzo(a)pyrene	23.980	252	4755542	48.785	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.798	276	3518981	26.592	ng/ul	98
95) Dibenzo(a,h)anthracene	26.786	278	1043244	9.598	ng/ul#	79
96) Benzo(g,h,i)perylene	27.627	276	3024691	27.784	ng/ul#	95

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QLast Update : Sun Jul 02 06:12:16 2023
Response via : Initial Calibration

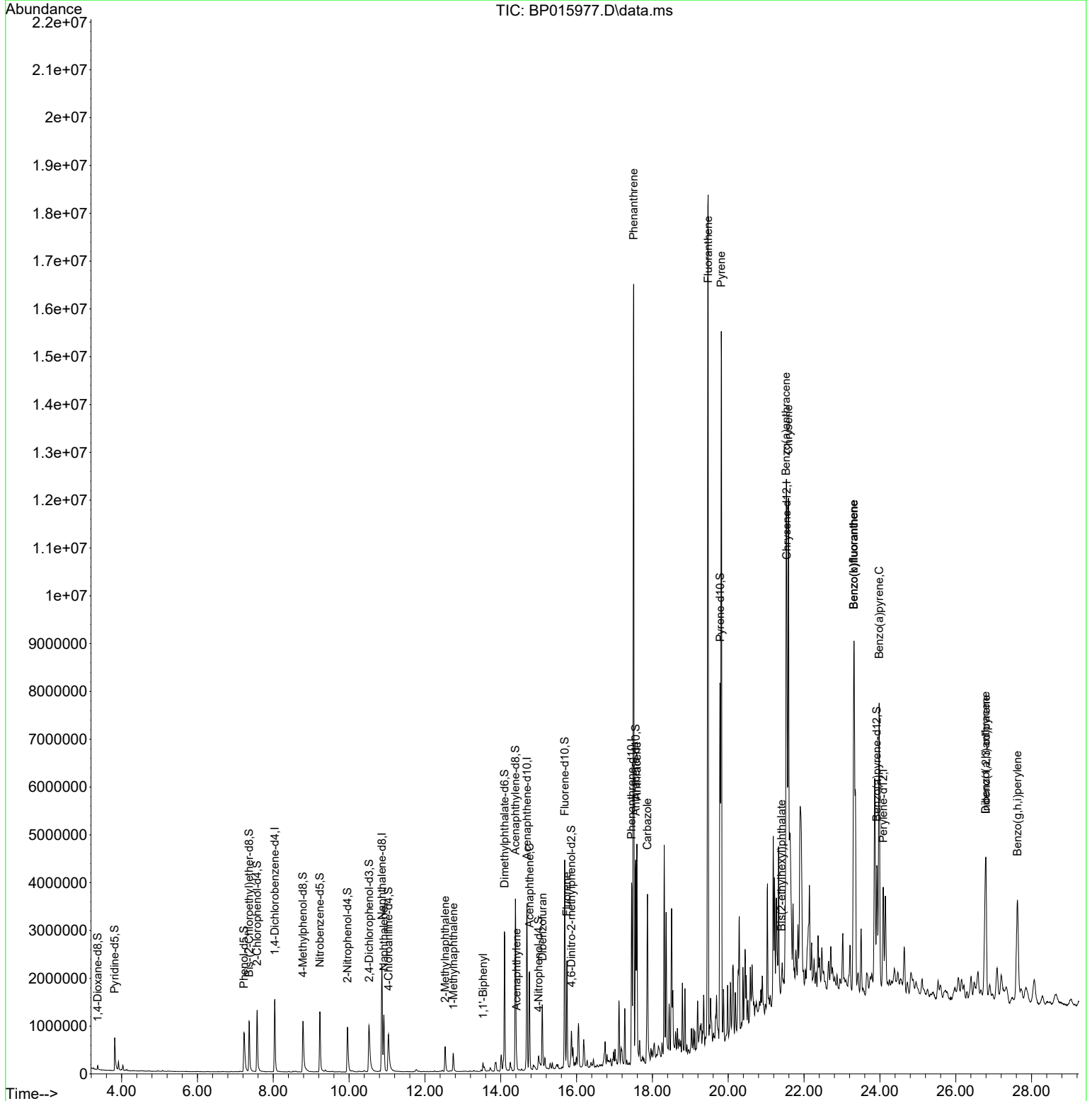
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

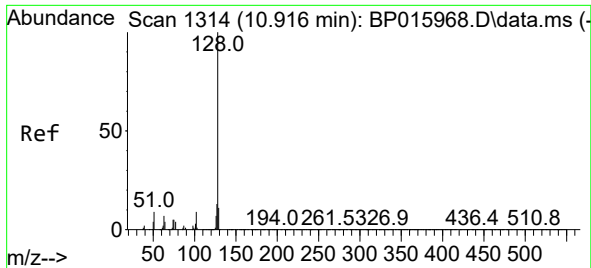
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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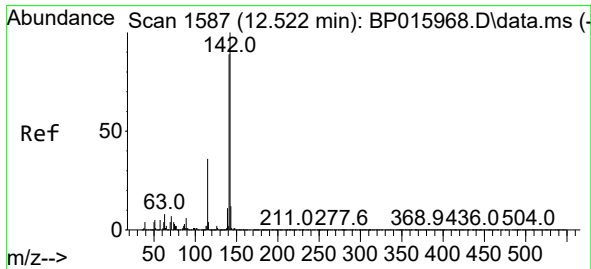
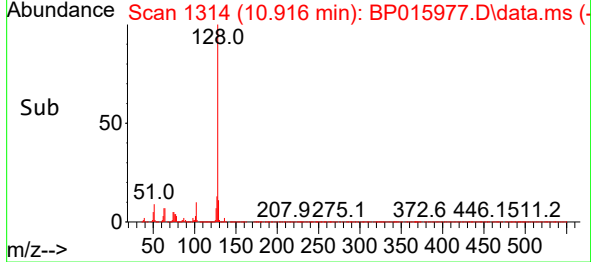
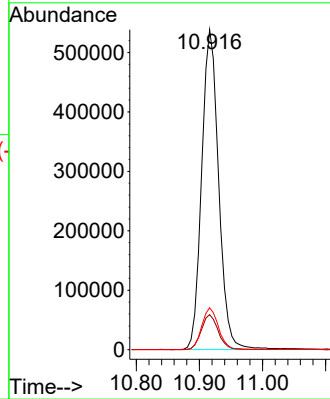
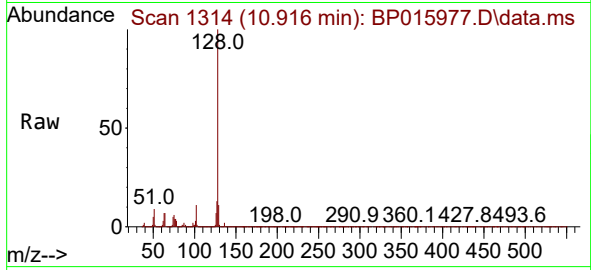




#30
 Naphthalene
 Concen: 9.539 ng/ul
 RT: 10.916 min Scan# 111
 Delta R.T. -0.006 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

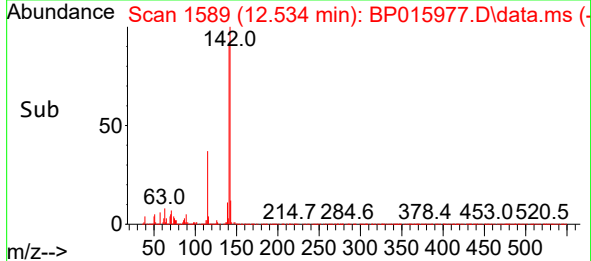
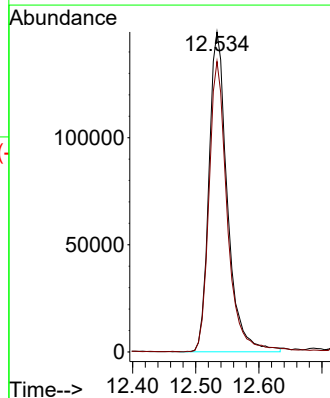
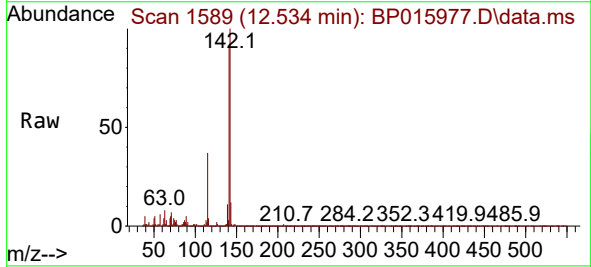
Instrument :
 BNA_P
 ClientSampleId :
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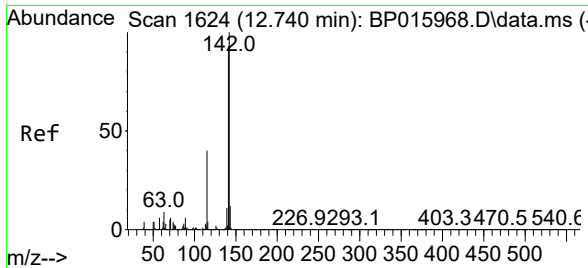
Tgt Ion:128 Resp: 1004998
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.6 12.8
 127 13.1 10.3 15.5



#36
 2-Methylnaphthalene
 Concen: 4.368 ng/ul
 RT: 12.534 min Scan# 1589
 Delta R.T. 0.006 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

Tgt Ion:142 Resp: 302910
 Ion Ratio Lower Upper
 142 100
 141 90.8 73.2 109.8

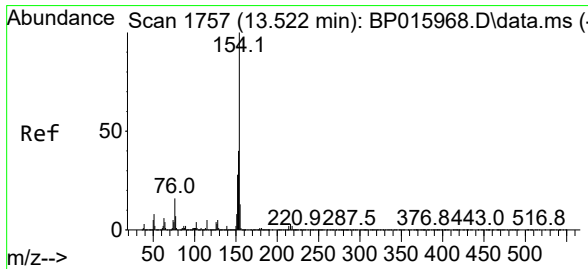
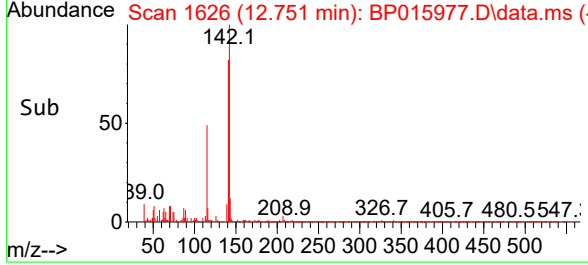
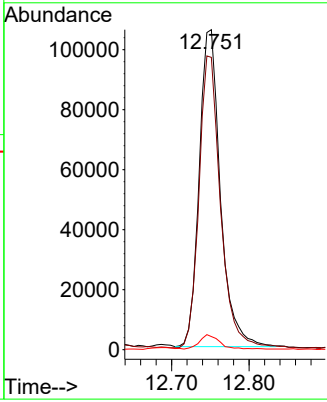
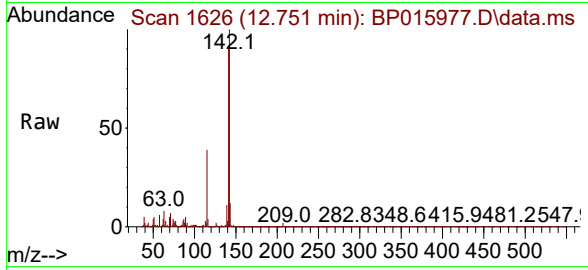




#37
 1-Methylnaphthalene
 Concen: 2.832 ng/ul
 RT: 12.751 min Scan# 10
 Delta R.T. 0.006 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

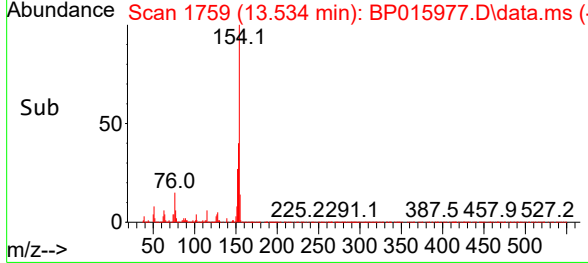
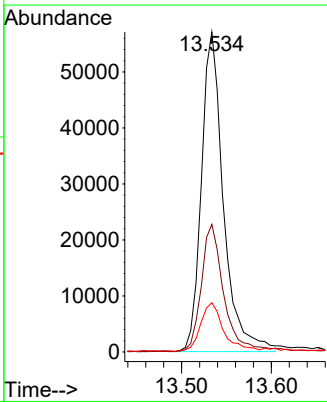
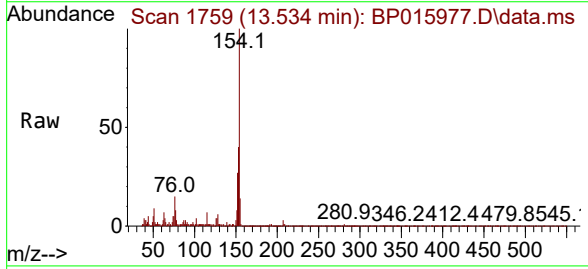
Instrument : BNA_P
 ClientSampleId : DCGE7

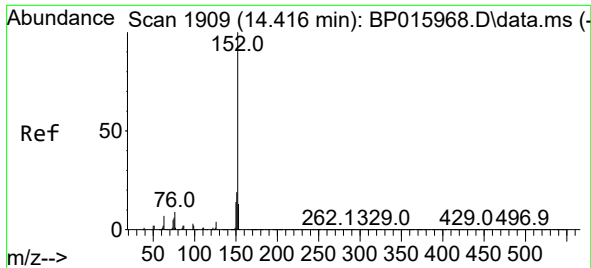
Tgt Ion	Resp	Lower	Upper
142	100		
141	91.4	73.1	109.7
116	4.1	4.0	6.0



#43
 1,1'-Biphenyl
 Concen: 1.065 ng/ul
 RT: 13.534 min Scan# 1759
 Delta R.T. 0.006 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

Tgt Ion	Resp	Lower	Upper
154	100		
153	39.9	32.8	49.2
76	15.4	10.7	16.1



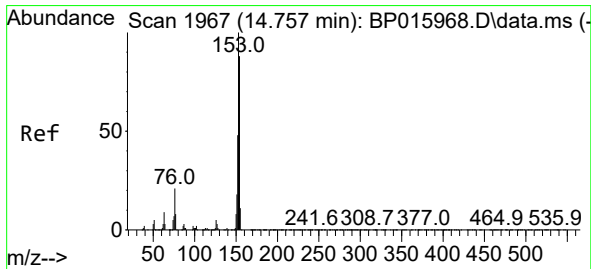
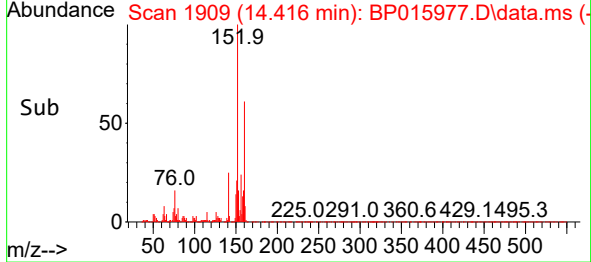
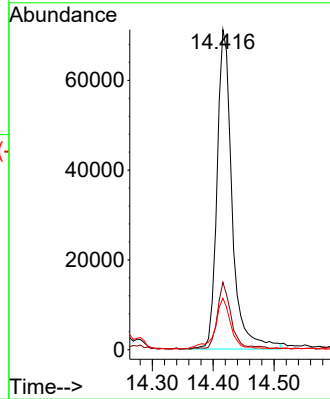
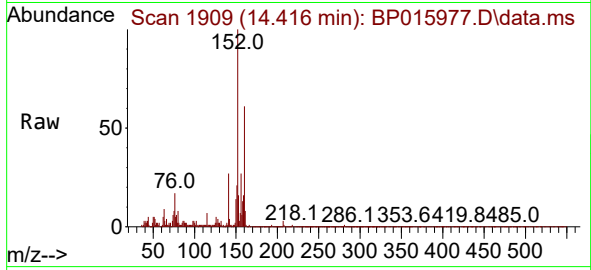


#50
 Acenaphthylene
 Concen: 1.102 ng/ul
 RT: 14.416 min Scan# 1909
 Delta R.T. -0.006 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

Instrument :
 BNA_P
 ClientSampleId :
 DCGE7

Tgt Ion:152 Resp: 121834

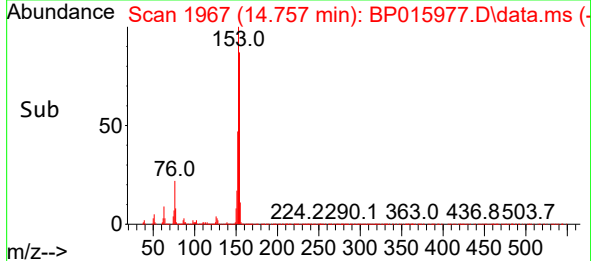
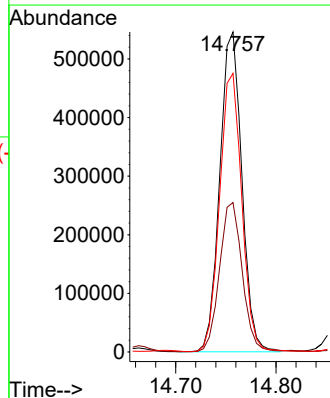
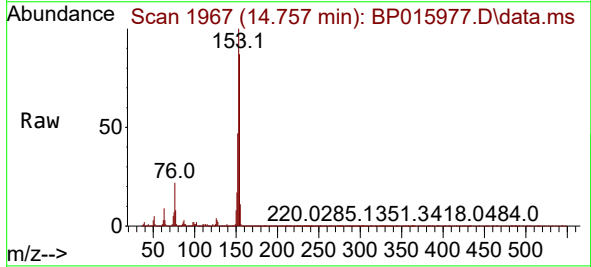
Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.2	24.2
153	16.1	10.5	15.7#

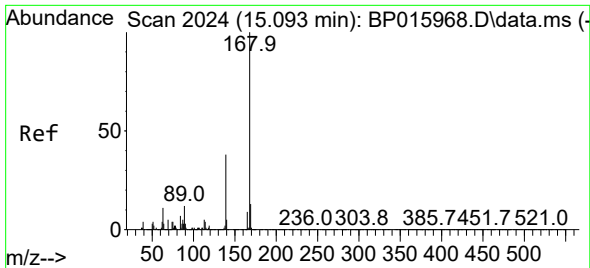


#52
 Acenaphthene
 Concen: 10.861 ng/ul
 RT: 14.757 min Scan# 1967
 Delta R.T. 0.000 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

Tgt Ion:153 Resp: 832471

Ion	Ratio	Lower	Upper
153	100		
152	46.7	39.4	59.2
154	87.0	71.4	107.2

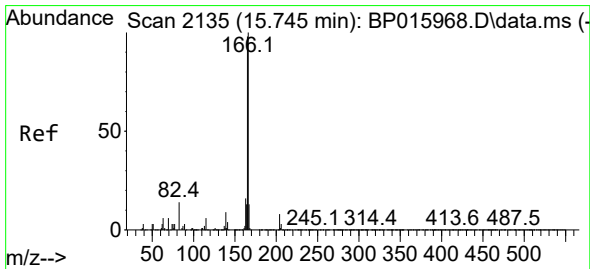
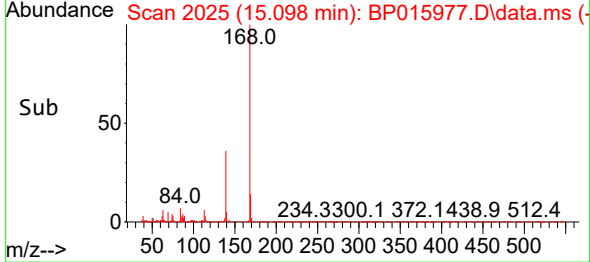
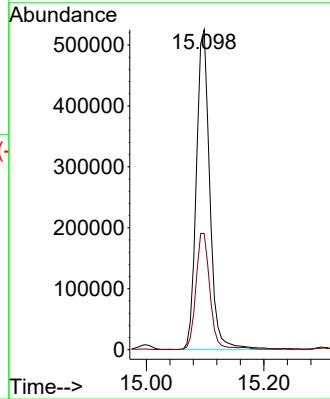
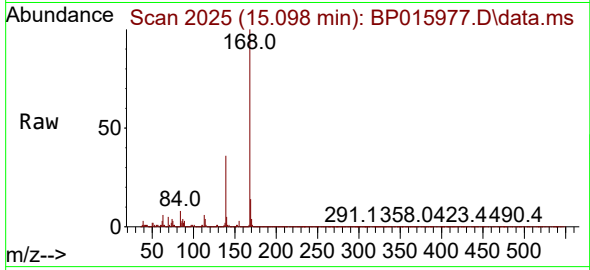




#56
 Dibenzofuran
 Concen: 7.799 ng/ul
 RT: 15.098 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

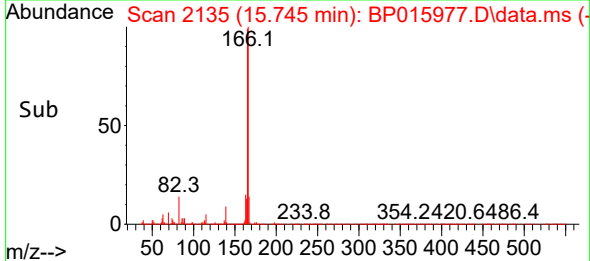
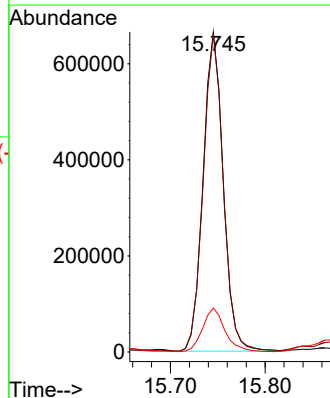
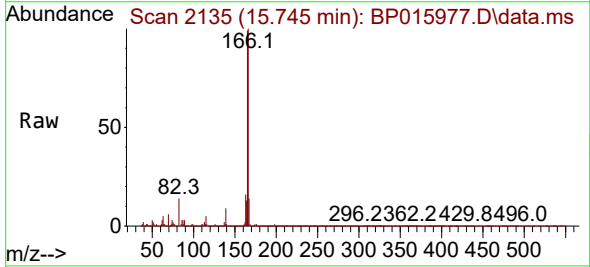
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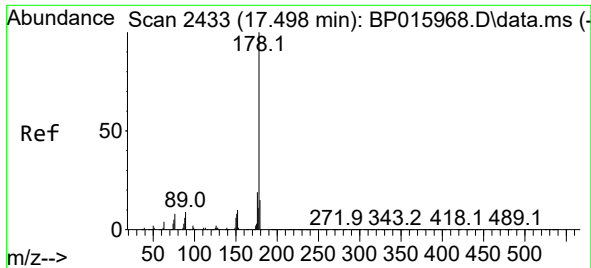
Tgt Ion:168 Resp: 829847
 Ion Ratio Lower Upper
 168 100
 139 36.3 32.2 48.4



#61
 Fluorene
 Concen: 11.371 ng/ul
 RT: 15.745 min Scan# 2135
 Delta R.T. 0.000 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

Tgt Ion:166 Resp: 981399
 Ion Ratio Lower Upper
 166 100
 165 99.4 78.7 118.1
 167 13.7 10.5 15.7

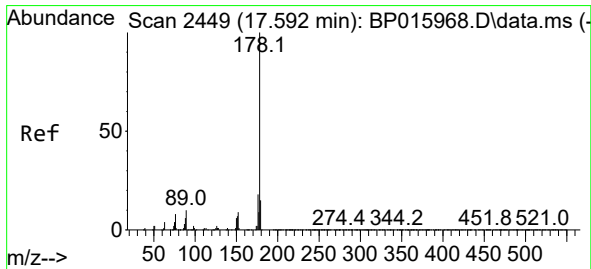
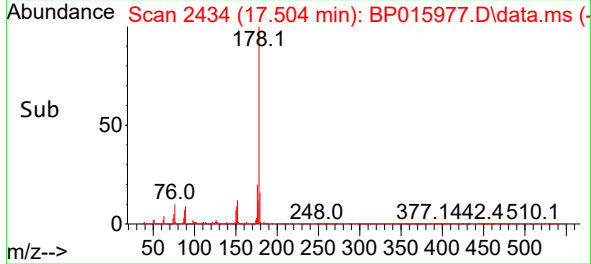
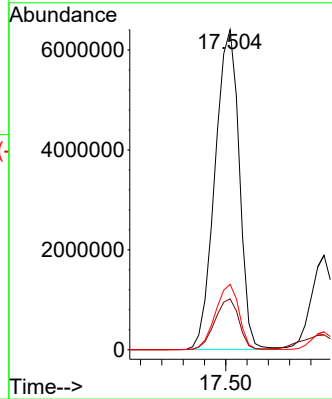
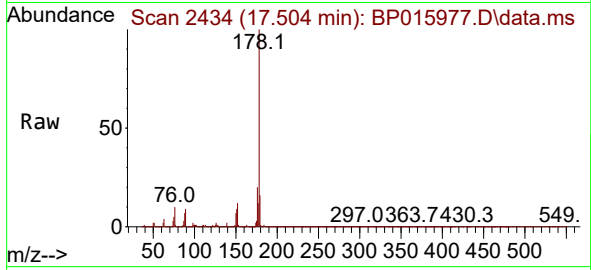




#72
 Phenanthrene
 Concen: 81.211 ng/u1
 RT: 17.504 min Scan# 2433
 Delta R.T. 0.006 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

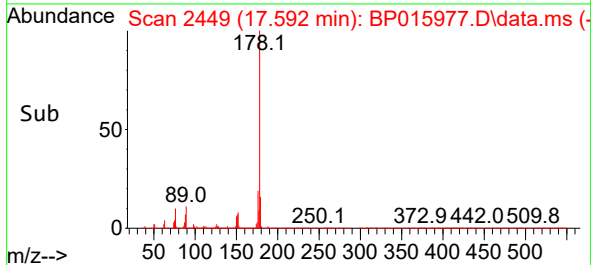
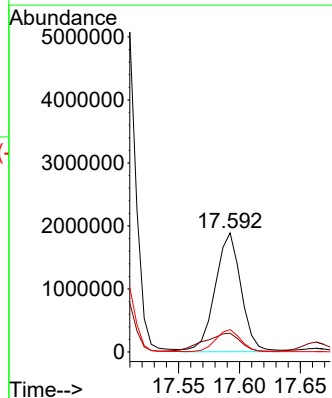
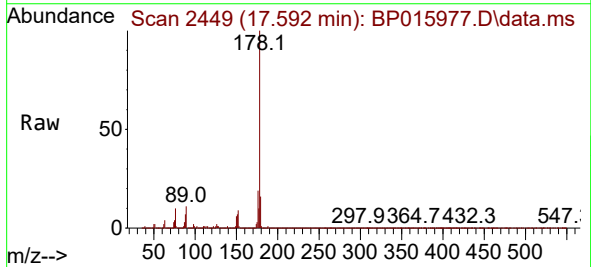
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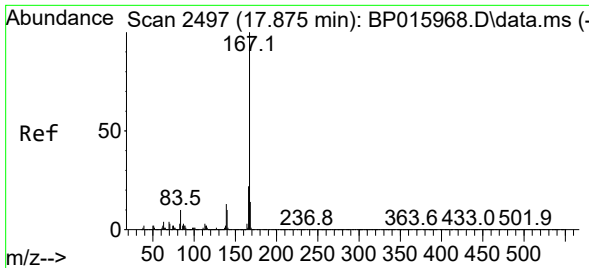
Tgt Ion:178 Resp:10112158
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.4 18.6
 176 20.4 15.6 23.4



#74
 Anthracene
 Concen: 22.400 ng/u1
 RT: 17.592 min Scan# 2449
 Delta R.T. -0.006 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

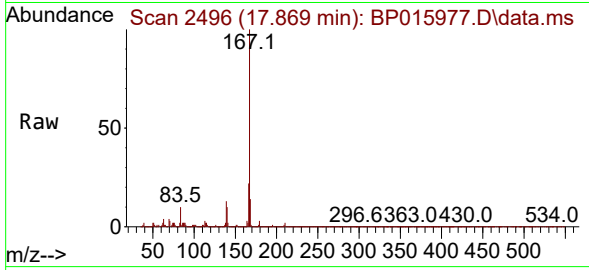
Tgt Ion:178 Resp: 2802658
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.1 18.1
 176 18.9 14.6 22.0



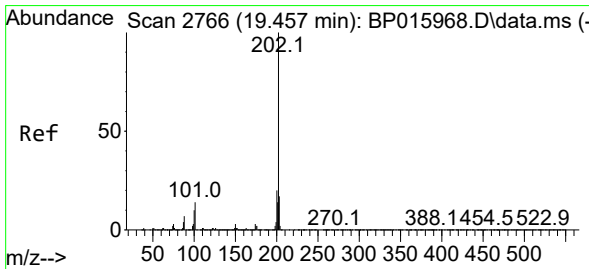
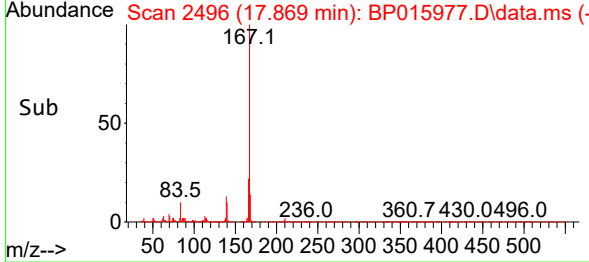
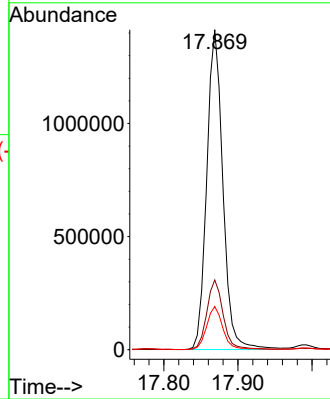


#77
 Carbazole
 Concen: 20.272 ng/ul
 RT: 17.869 min Scan# 2496
 Delta R.T. -0.006 min
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 Acq: 04 Jul 2023 15:42

Instrument :
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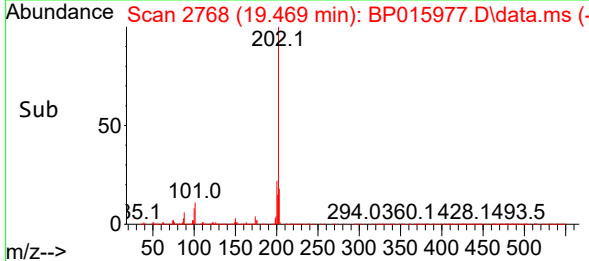
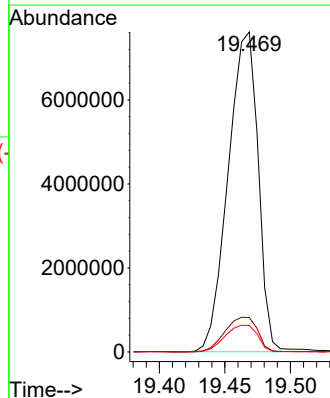
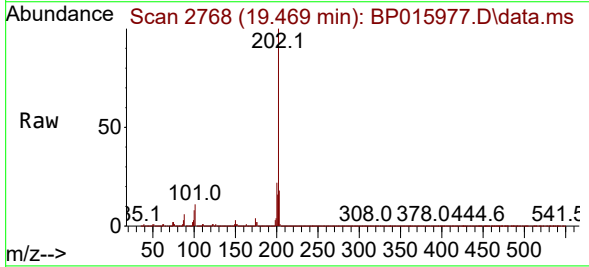


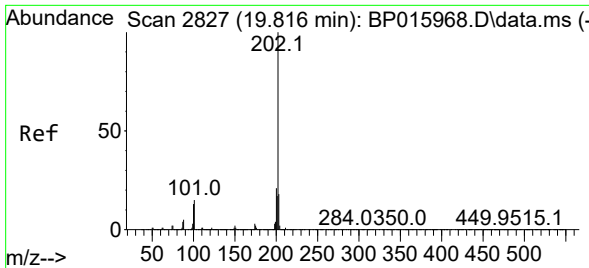
Tgt Ion:167 Resp: 2137834
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.0
 139 13.5 11.0 16.4



#80
 Fluoranthene
 Concen: 109.407 ng/ul
 RT: 19.469 min Scan# 2768
 Delta R.T. 0.006 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

Tgt Ion:202 Resp:12093586
 Ion Ratio Lower Upper
 202 100
 101 10.8 8.3 12.5
 100 8.3 6.6 9.8



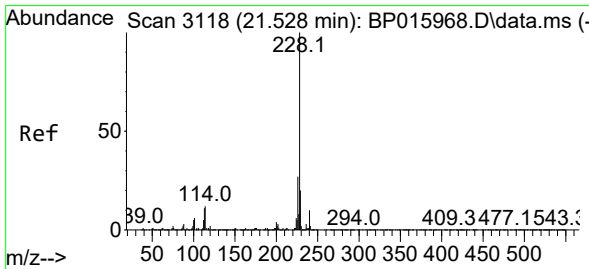
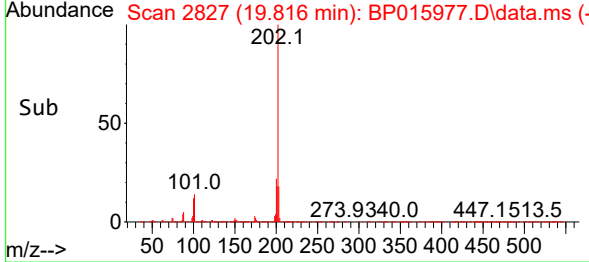
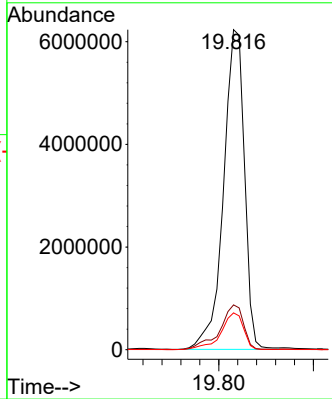
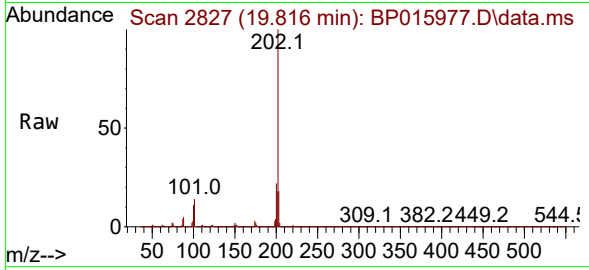


#82
 Pyrene
 Concen: 84.915 ng/ul
 RT: 19.816 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

Instrument : BNA_P
 ClientSampleId : DCGE7

Tgt Ion:202 Resp: 9574763

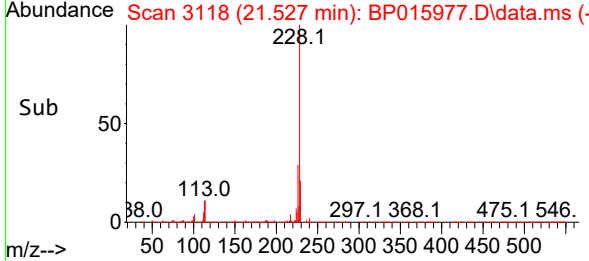
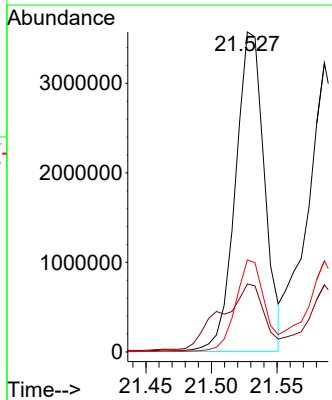
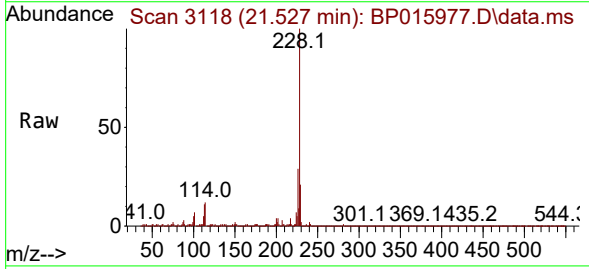
Ion	Ratio	Lower	Upper
202	100		
101	14.0	9.3	13.9#
100	11.5	7.6	11.4#

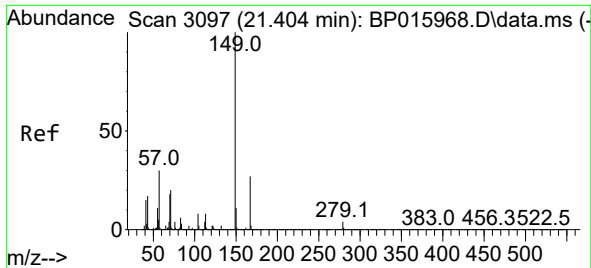


#85
 Benzo(a)anthracene
 Concen: 57.370 ng/ul
 RT: 21.527 min Scan# 3118
 Delta R.T. -0.006 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

Tgt Ion:228 Resp: 5497018

Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.3	22.9
226	28.8	21.4	32.0



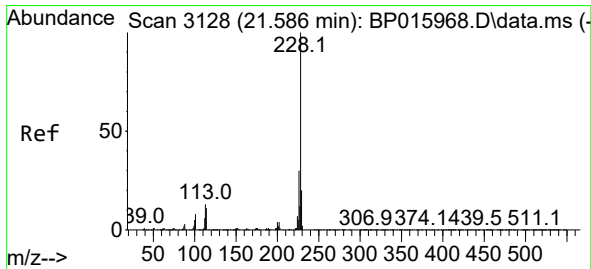
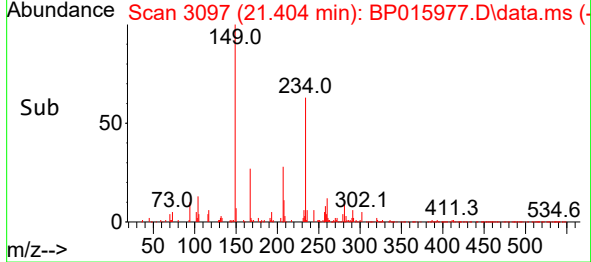
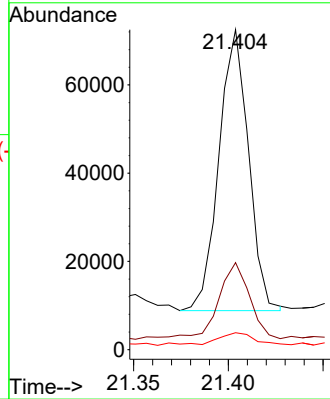
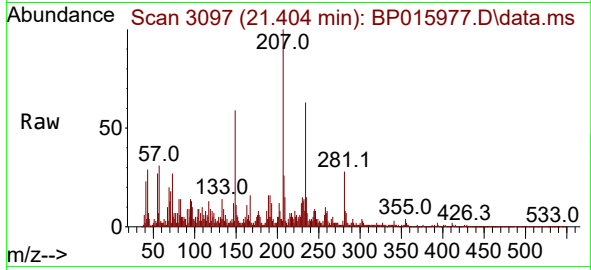


#86
 Bis(2-ethylhexyl)phthalate
 Concen: 1.095 ng/ul
 RT: 21.404 min Scan# 3097
 Delta R.T. -0.006 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

Instrument :
 BNA_P
 ClientSampleId :
 DCGE7

Tgt Ion:149 Resp: 69202

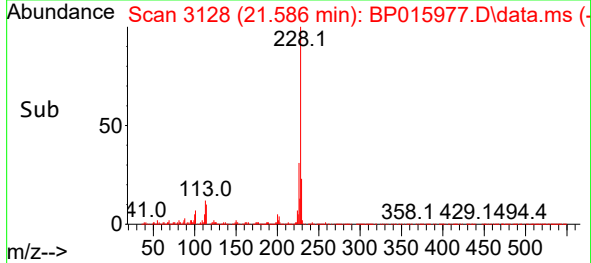
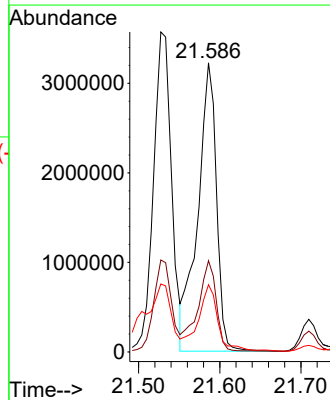
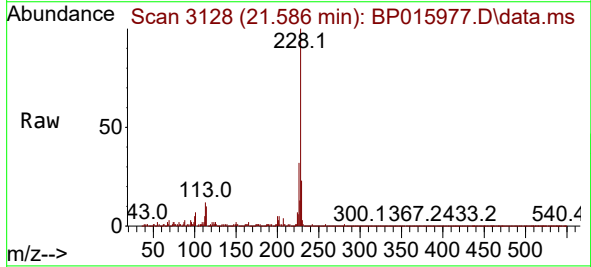
Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.0	31.6
279	5.3	3.8	5.6

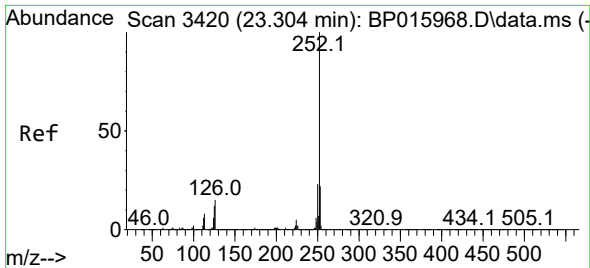


#87
 Chrysene
 Concen: 56.850 ng/ul
 RT: 21.586 min Scan# 3128
 Delta R.T. 0.000 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

Tgt Ion:228 Resp: 5168062

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.3	36.5
229	23.2	15.5	23.3



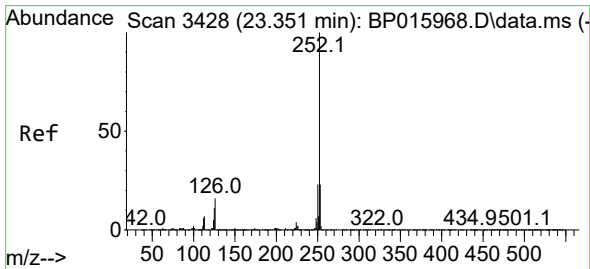
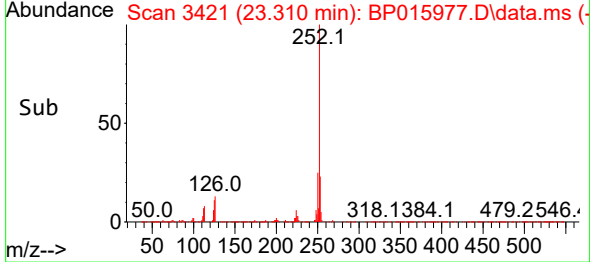
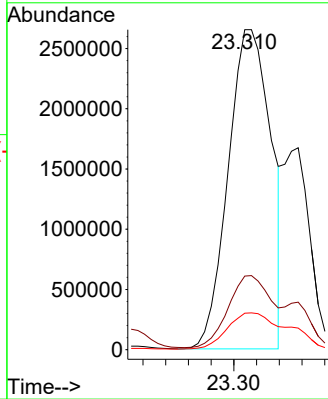
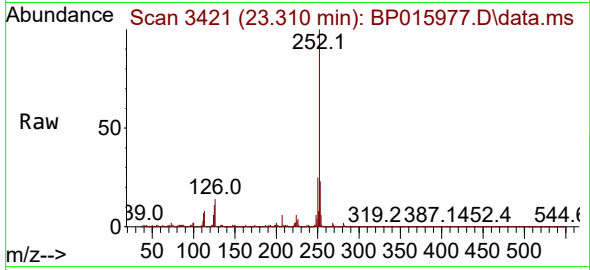


#90
 Benzo(b)fluoranthene
 Concen: 62.153 ng/ul
 RT: 23.310 min Scan# 3421
 Delta R.T. 0.000 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

Instrument : BNA_P
 ClientSampleId : DCGE7

Tgt Ion:252 Resp: 6933772

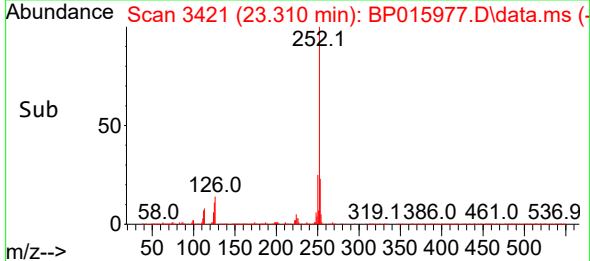
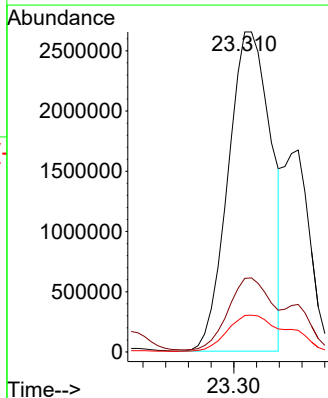
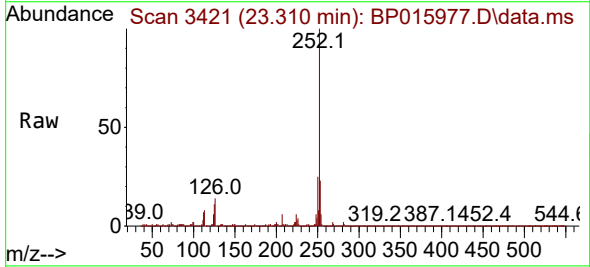
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	11.4	7.5	11.3#

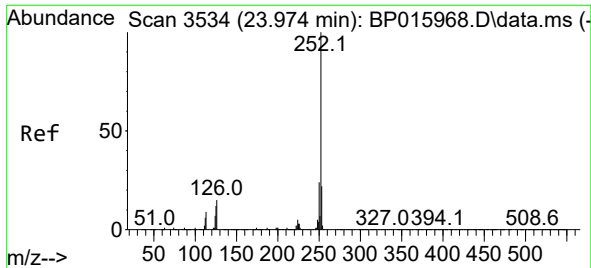


#91
 Benzo(k)fluoranthene
 Concen: 61.516 ng/ul
 RT: 23.310 min Scan# 3421
 Delta R.T. -0.047 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

Tgt Ion:252 Resp: 6933772

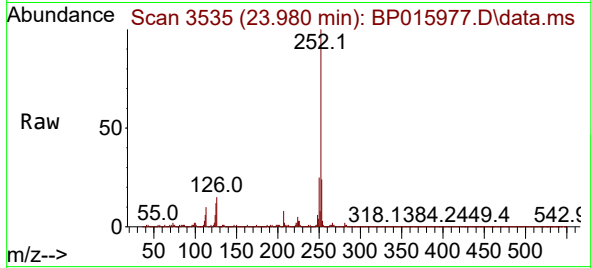
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.4
125	11.4	7.3	10.9#



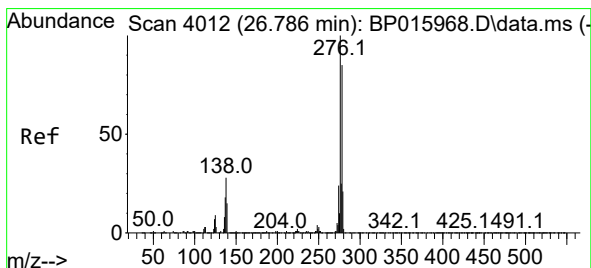
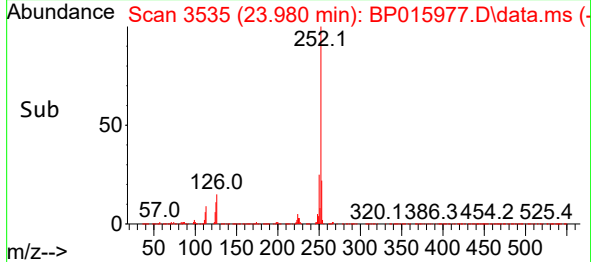
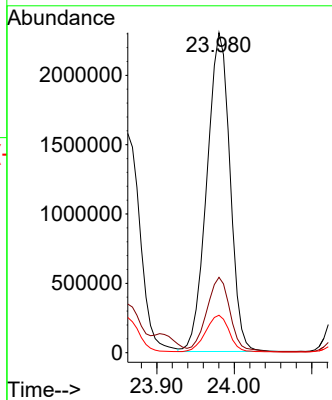


#93
 Benzo(a)pyrene
 Concen: 48.785 ng/u1
 RT: 23.980 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

Instrument :
 BNA_P
 ClientSampleId :
 DCGE7

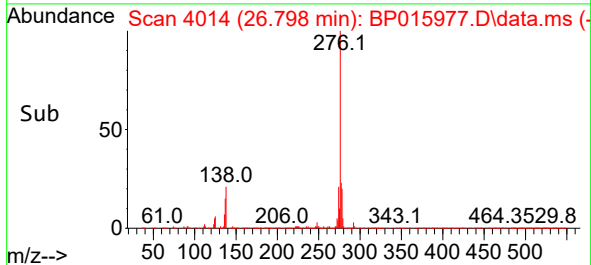
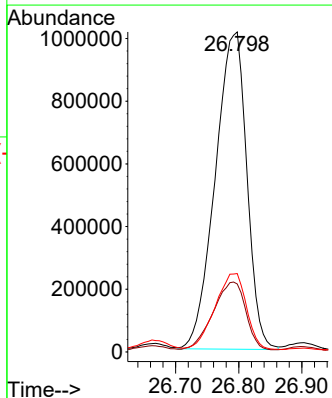
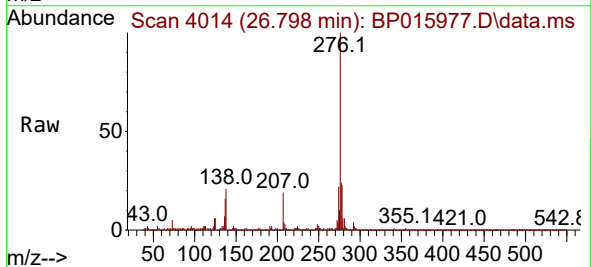


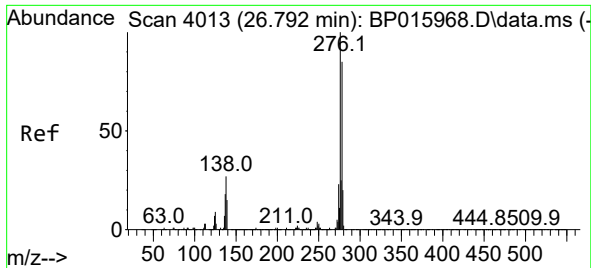
Tgt Ion:252 Resp: 4755542
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.7 26.5
 125 11.7 8.2 12.2



#94
 Indeno(1,2,3-cd)pyrene
 Concen: 26.592 ng/u1
 RT: 26.798 min Scan# 4014
 Delta R.T. 0.006 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

Tgt Ion:276 Resp: 3518981
 Ion Ratio Lower Upper
 276 100
 138 21.3 15.7 23.5
 277 24.5 19.6 29.4

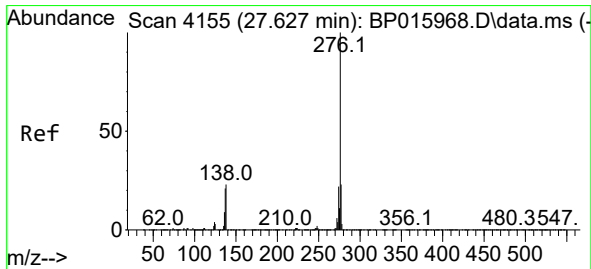
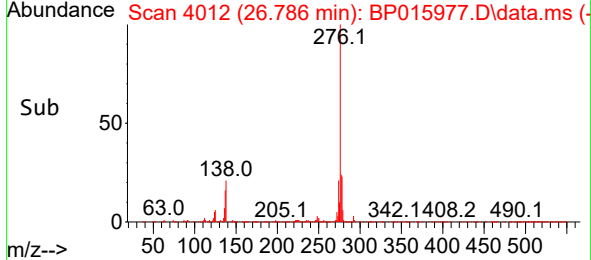
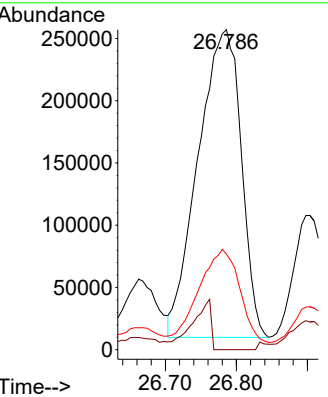
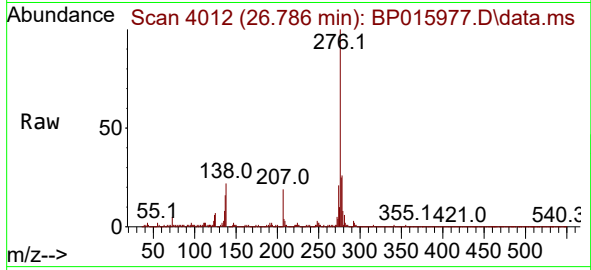




#95
 Dibenzo(a,h)anthracene
 Concen: 9.598 ng/ul
 RT: 26.786 min Scan# 4012
 Delta R.T. -0.012 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

Instrument :
 BNA_P
 ClientSampleId :
 DCGE7

Tgt Ion:278 Resp: 1043244
 Ion Ratio Lower Upper
 278 100
 139 0.0 10.5 15.7#
 279 29.8 18.4 27.6#



#96
 Benzo(g,h,i)perylene
 Concen: 27.784 ng/ul
 RT: 27.627 min Scan# 4155
 Delta R.T. 0.000 min
 Lab File: BP015977.D
 Acq: 04 Jul 2023 15:42

Tgt Ion:276 Resp: 3024691
 Ion Ratio Lower Upper
 276 100
 138 23.3 15.1 22.7#
 277 24.1 18.8 28.2

