

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP010522\  
 Data File : BP008695.D  
 Acq On : 05 Jan 2022 18:01  
 Operator : CG/JU  
 Sample : M5342-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-6-(0-2)

Quant Time: Jan 06 03:03:24 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP122821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 30 08:44:33 2021  
 Response via : Initial Calibration

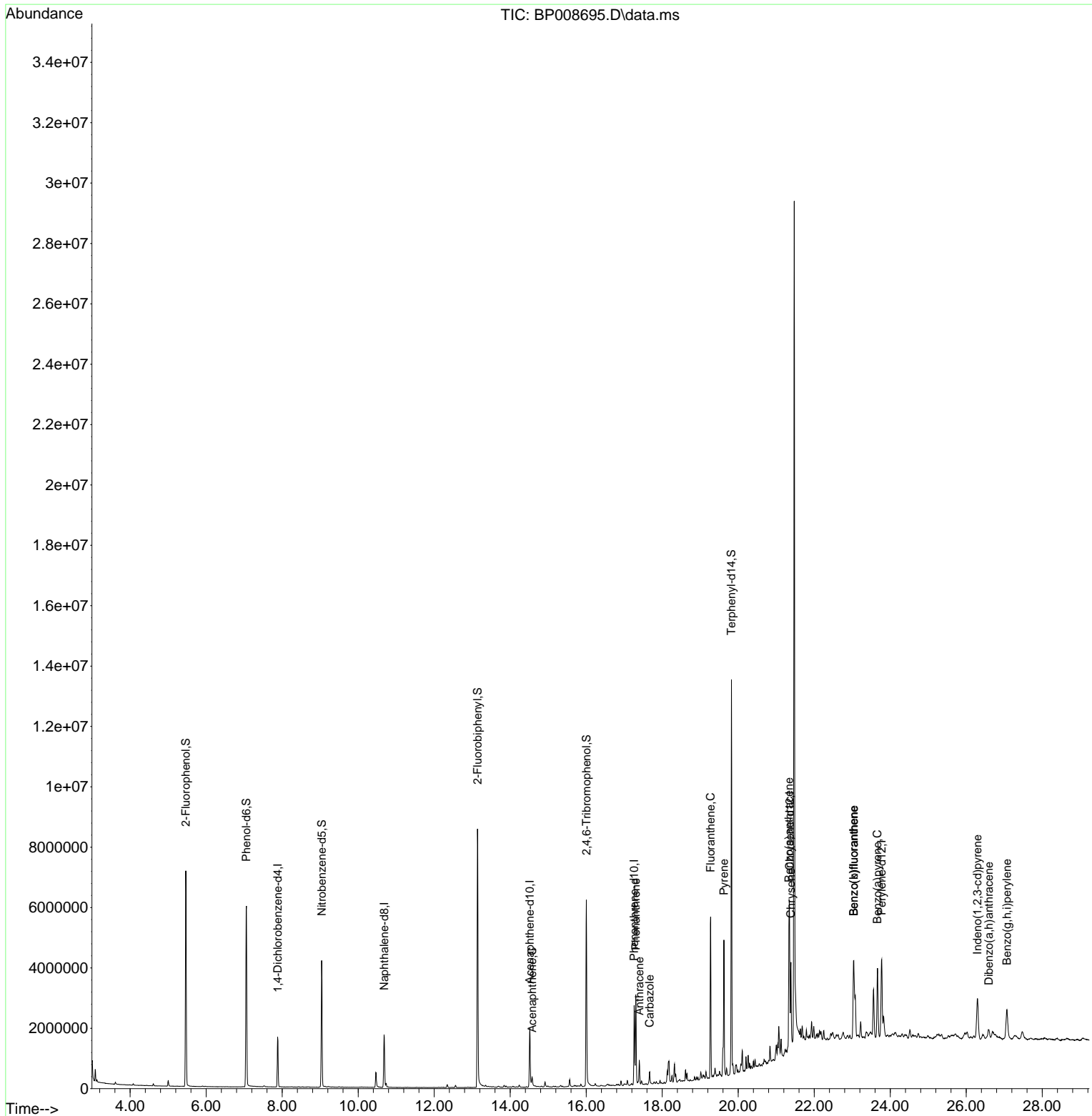
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
-----							
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.881	152	490715	20.000	ng	-0.02	
21) Naphthalene-d8	10.681	136	1588841	20.000	ng	-0.02	
39) Acenaphthene-d10	14.516	164	924465	20.000	ng	-0.01	
64) Phenanthrene-d10	17.263	188	1765393	20.000	ng	-0.01	
76) Chrysene-d12	21.351	240	1758907	20.000	ng	-0.01	
86) Perylene-d12	23.774	264	2127621	20.000	ng	-0.01	
System Monitoring Compounds							
5) 2-Fluorophenol	5.464	112	3388792	126.050	ng	0.00	
7) Phenol-d6	7.058	99	3913380	104.578	ng	0.00	
23) Nitrobenzene-d5	9.040	82	2472001	92.556	ng	-0.02	
42) 2,4,6-Tribromophenol	16.004	330	1472099	117.696	ng	-0.01	
45) 2-Fluorobiphenyl	13.140	172	5301512	83.085	ng	-0.02	
79) Terphenyl-d14	19.822	244	6023098	69.918	ng	0.00	
Target Compounds							
							Qvalue
52) Acenaphthene	14.575	154	117862	2.188	ng		98
71) Phenanthrene	17.304	178	2039001	21.423	ng		97
72) Anthracene	17.398	178	530796	5.724	ng		99
73) Carbazole	17.669	167	293071	3.220	ng		99
75) Fluoranthene	19.275	202	3280476	29.964	ng		97
78) Pyrene	19.622	202	2819800	24.643	ng		98
81) Benzo(a)anthracene	21.333	228	1985014	17.396	ng		98
83) Chrysene	21.386	228	1729643	16.210	ng		96
87) Indeno(1,2,3-cd)pyrene	26.292	276	1430945	10.013	ng		95
88) Benzo(b)fluoranthene	23.039	252	2674853	19.549	ng		99
89) Benzo(k)fluoranthene	23.039	252	2674853	19.665	ng		100
90) Benzo(a)pyrene	23.663	252	1923804	17.441	ng		99
91) Dibenzo(a,h)anthracene	26.592	278	249136	2.066	ng		95
92) Benzo(g,h,i)perylene	27.068	276	1377932	12.223	ng		97
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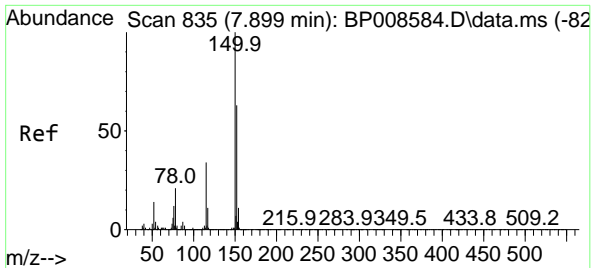
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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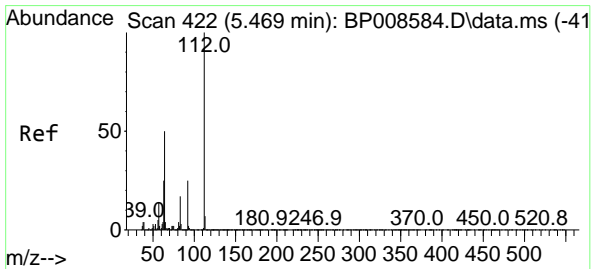
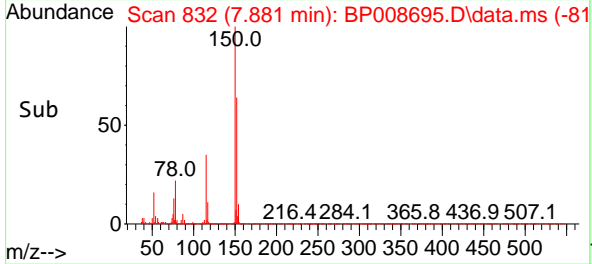
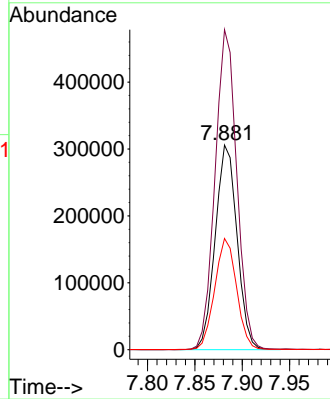
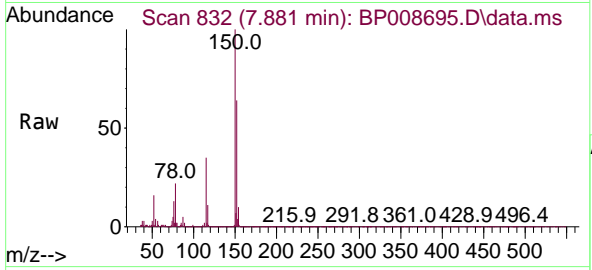




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.881 min Scan# 81  
 Delta R.T. -0.018 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

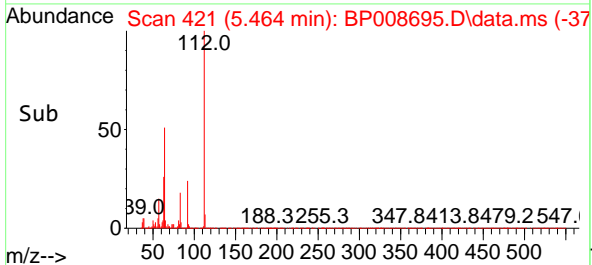
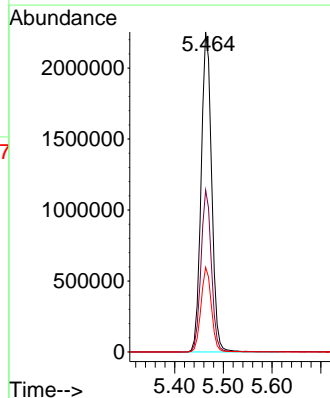
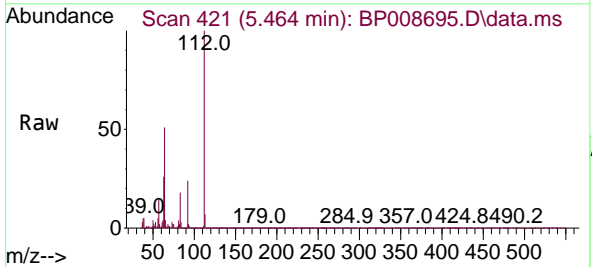
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-6-(0-2)

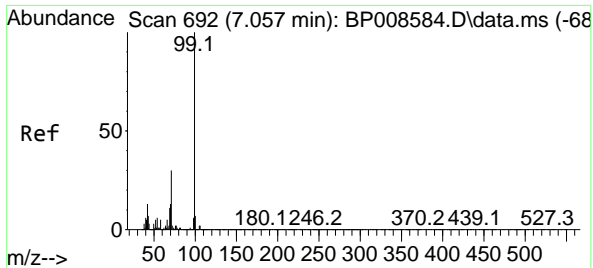
Tgt Ion:152 Resp: 490715  
 Ion Ratio Lower Upper  
 152 100  
 150 156.4 127.0 190.6  
 115 54.4 43.7 65.5



#5  
 2-Fluorophenol  
 Concen: 126.050 ng  
 RT: 5.464 min Scan# 421  
 Delta R.T. -0.006 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Tgt Ion:112 Resp: 3388792  
 Ion Ratio Lower Upper  
 112 100  
 64 50.6 39.7 59.5  
 63 26.4 20.0 30.0



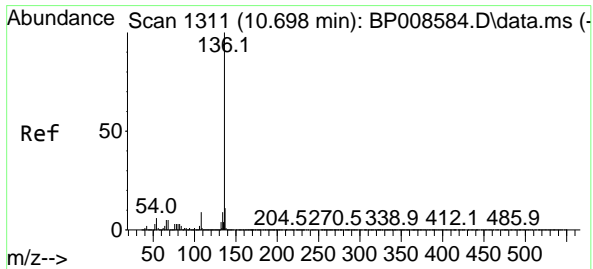
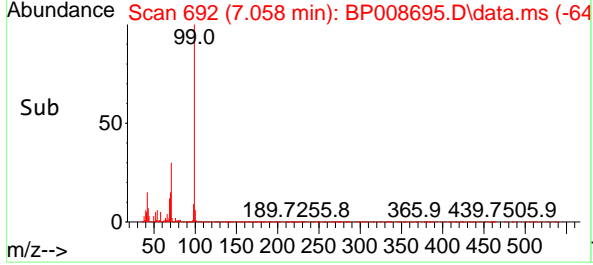
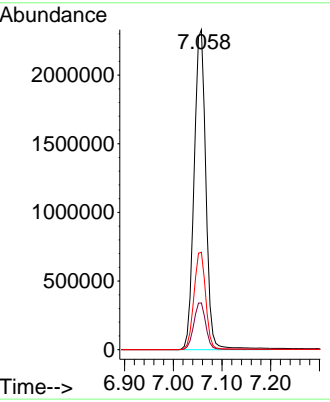
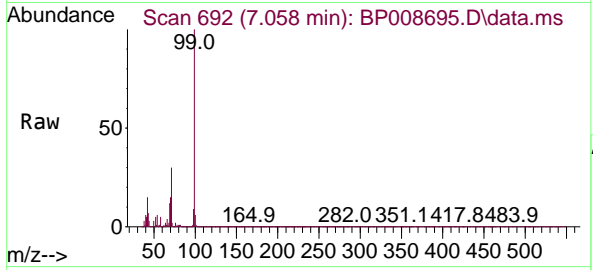


#7  
 Phenol-d6  
 Concen: 104.578 ng  
 RT: 7.058 min Scan# 692  
 Delta R.T. 0.000 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Instrument : BNA\_P  
 Client Sample Id : SB-6-(0-2)

Tgt Ion: 99 Resp: 3913380

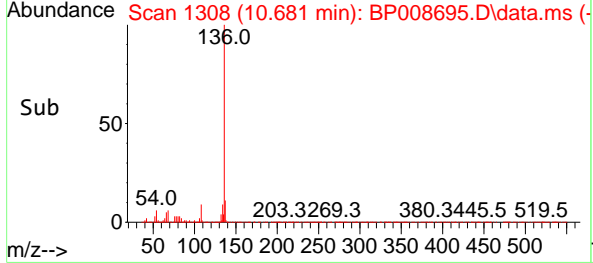
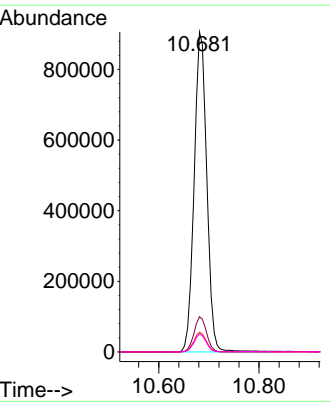
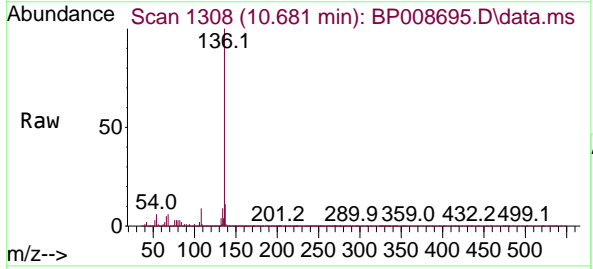
Ion	Ratio	Lower	Upper
99	100		
42	14.6	10.8	16.2
71	30.5	23.8	35.6

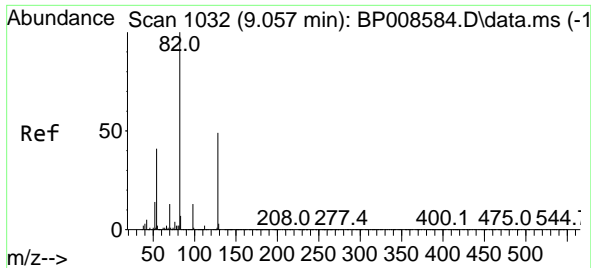


#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 10.681 min Scan# 1308  
 Delta R.T. -0.017 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Tgt Ion: 136 Resp: 1588841

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.2	4.9	7.3
68	5.6	4.3	6.5



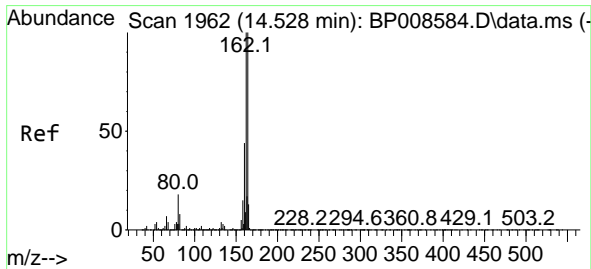
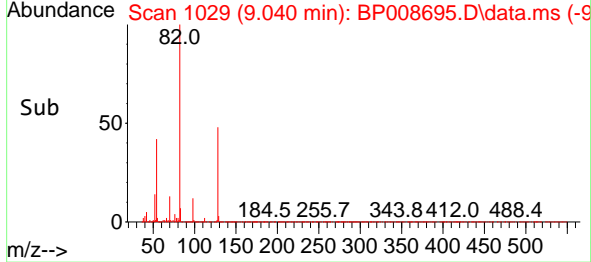
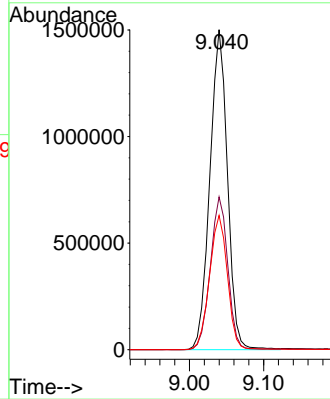
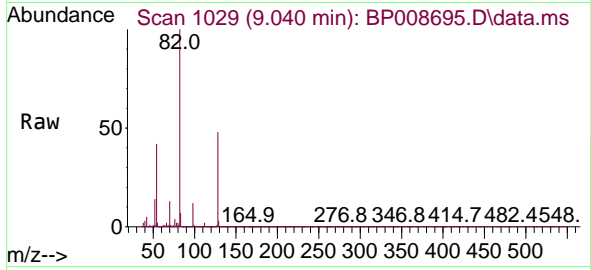


#23  
 Nitrobenzene-d5  
 Concen: 92.556 ng  
 RT: 9.040 min Scan# 1032  
 Delta R.T. -0.017 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-6-(0-2)

Tgt Ion: 82 Resp: 2472001

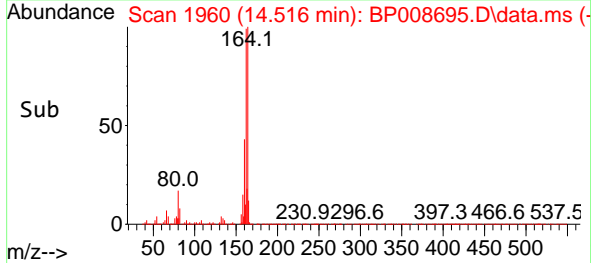
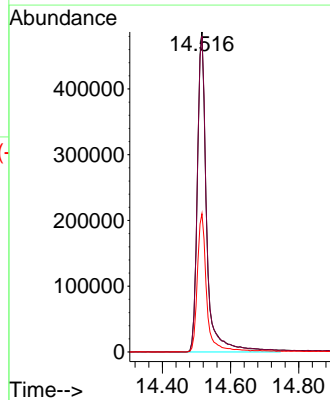
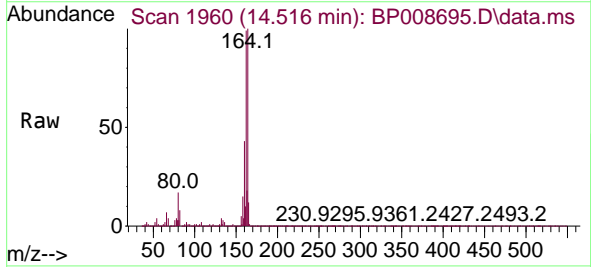
Ion	Ratio	Lower	Upper
82	100		
128	47.7	39.4	59.2
54	42.0	32.6	48.8

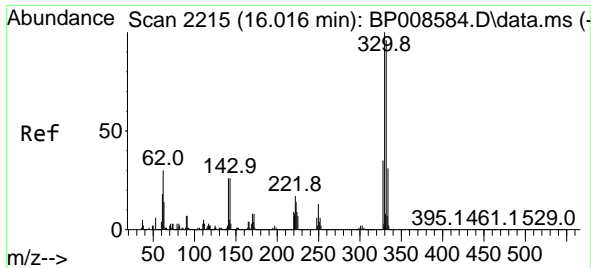


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.516 min Scan# 1960  
 Delta R.T. -0.012 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Tgt Ion: 164 Resp: 924465

Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.9	119.9
160	43.2	35.5	53.3



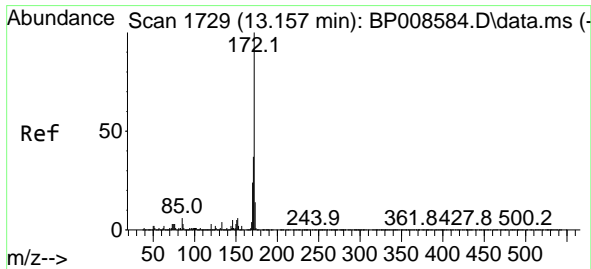
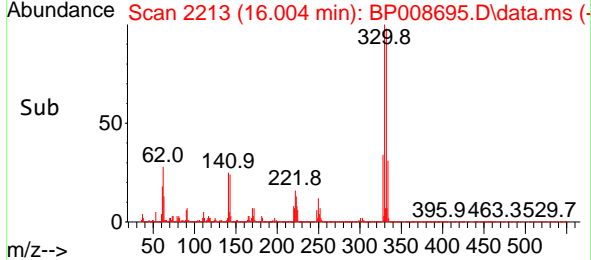
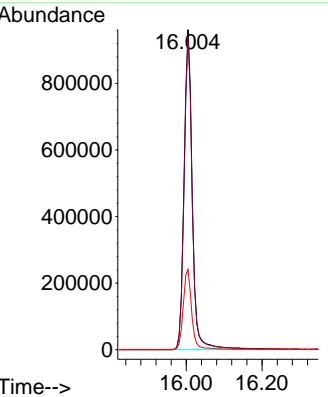
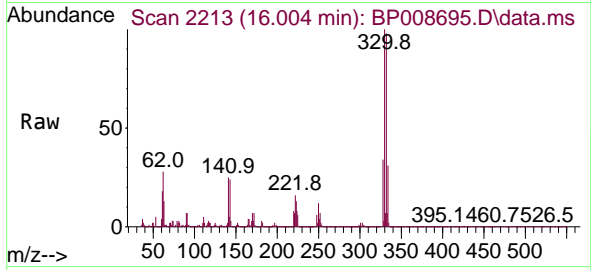


#42  
 2,4,6-Tribromophenol  
 Concen: 117.696 ng  
 RT: 16.004 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-6-(0-2)

Tgt Ion: 330 Resp: 1472099

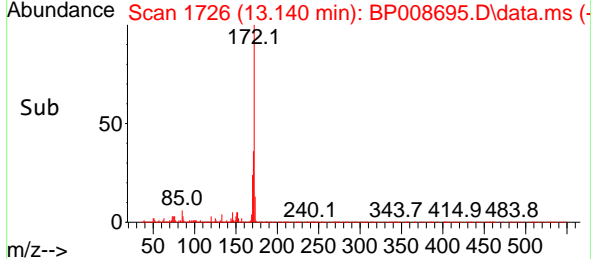
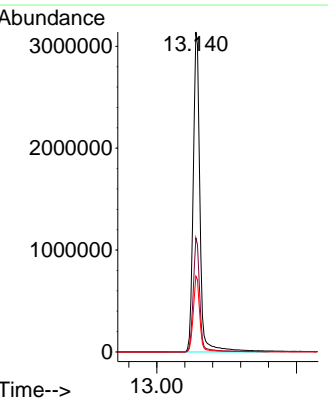
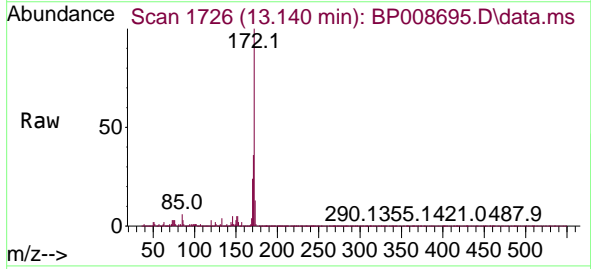
Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.4
141	25.8	21.3	31.9

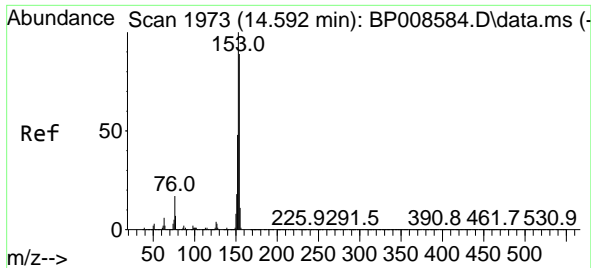


#45  
 2-Fluorobiphenyl  
 Concen: 83.085 ng  
 RT: 13.140 min Scan# 1726  
 Delta R.T. -0.017 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Tgt Ion: 172 Resp: 5301512

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.3	43.9
170	23.6	19.5	29.3

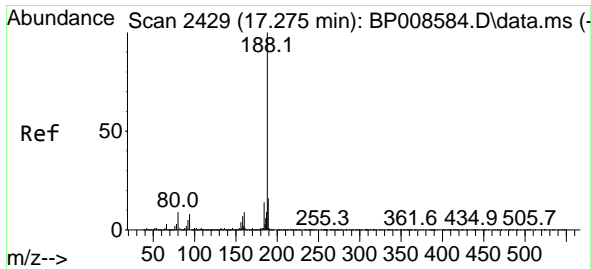
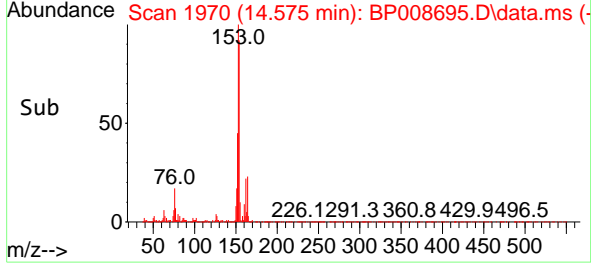
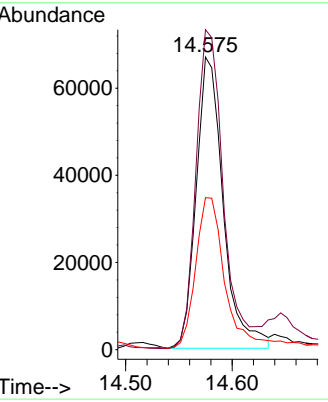
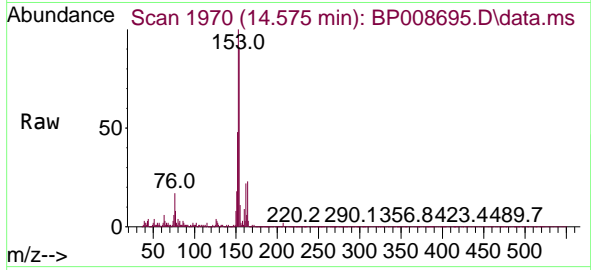




#52  
 Acenaphthene  
 Concen: 2.188 ng  
 RT: 14.575 min Scan# 1970  
 Delta R.T. -0.017 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

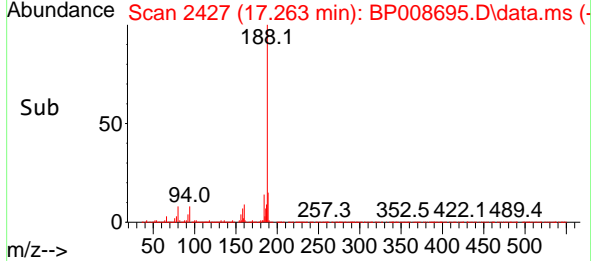
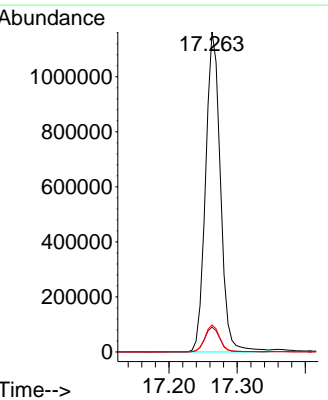
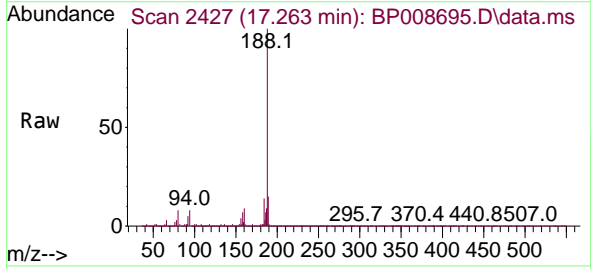
Instrument :  
 BNA\_P  
 Client Sample Id :  
 SB-6-(0-2)

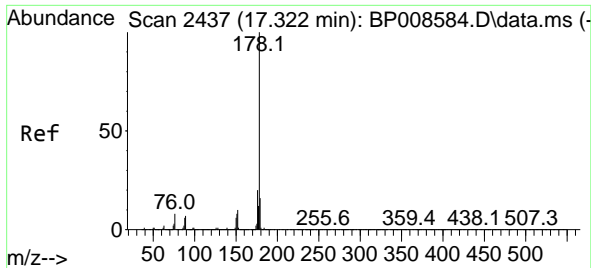
Tgt Ion	Resp	Lower	Upper
154	117862		
153	109.4	89.4	134.2
152	52.0	42.6	63.8



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.263 min Scan# 2427  
 Delta R.T. -0.012 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Tgt Ion	Resp	Lower	Upper
188	1765393		
94	7.8	6.8	10.2
80	8.5	7.2	10.8



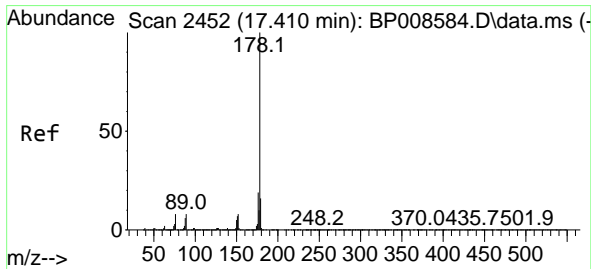
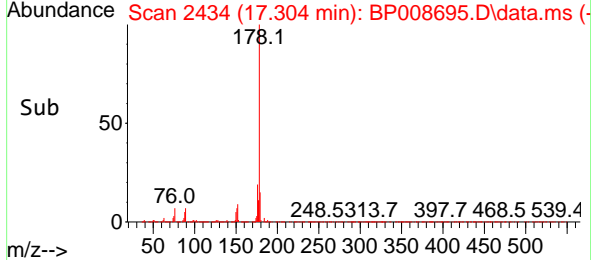
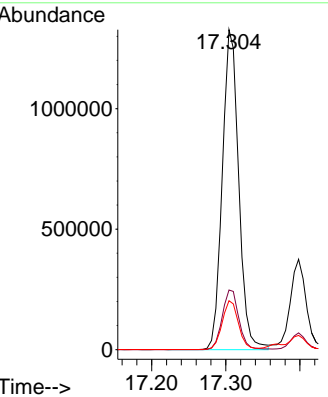
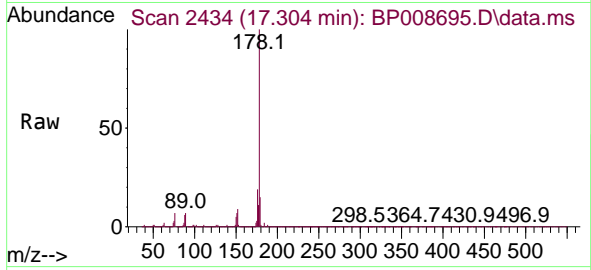


#71  
 Phenanthrene  
 Concen: 21.423 ng  
 RT: 17.304 min Scan# 2434  
 Delta R.T. -0.017 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-6-(0-2)

Tgt Ion:178 Resp: 2039001

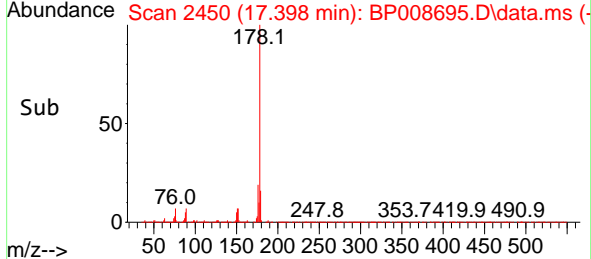
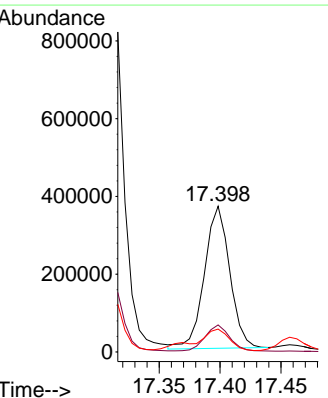
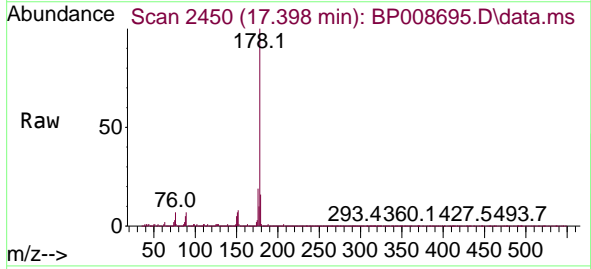
Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.0	24.0
179	15.3	13.0	19.4



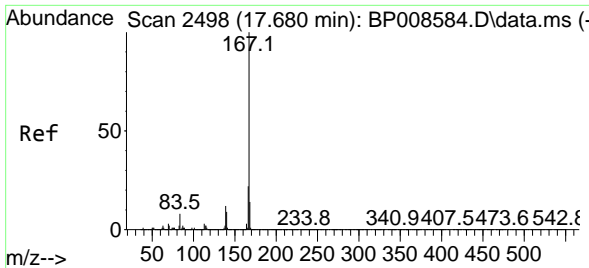
#72  
 Anthracene  
 Concen: 5.724 ng  
 RT: 17.398 min Scan# 2450  
 Delta R.T. -0.012 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Tgt Ion:178 Resp: 530796

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.7	12.8	19.2



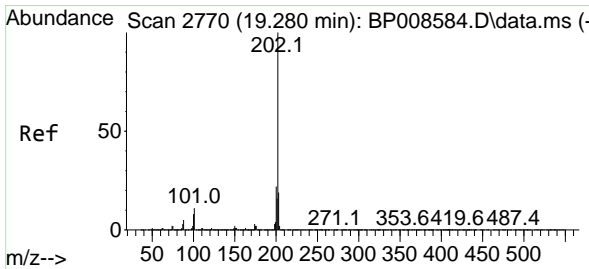
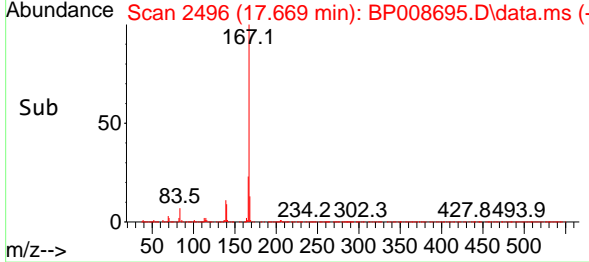
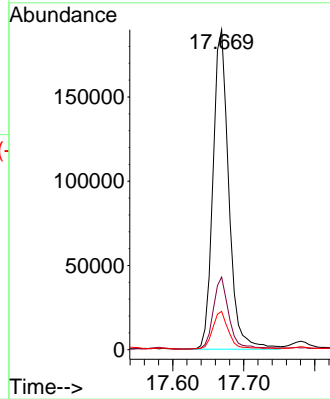
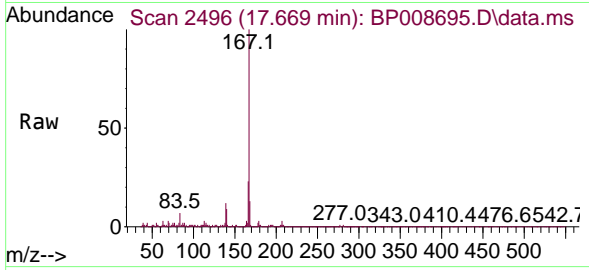




#73  
 Carbazole  
 Concen: 3.220 ng  
 RT: 17.669 min Scan# 2496  
 Delta R.T. -0.011 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

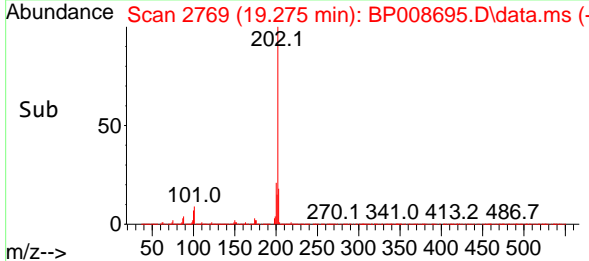
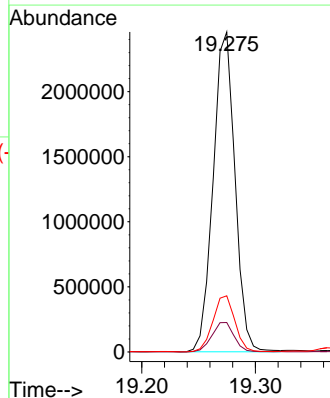
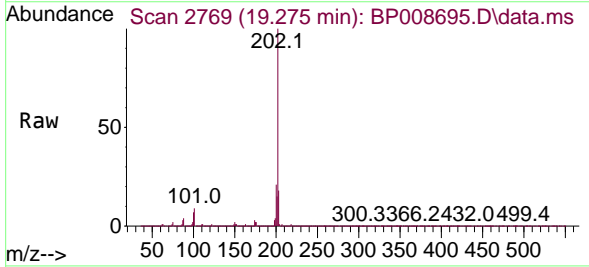
Instrument : BNA\_P  
 Client Sample Id : SB-6-(0-2)

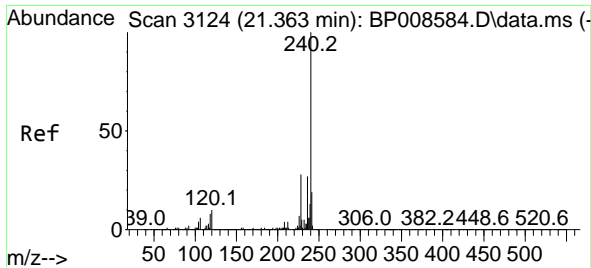
Tgt Ion	Resp	Lower	Upper
167	100		
166	22.7	17.7	26.5
139	11.9	9.8	14.6



#75  
 Fluoranthene  
 Concen: 29.964 ng  
 RT: 19.275 min Scan# 2769  
 Delta R.T. -0.005 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Tgt Ion	Resp	Lower	Upper
202	100		
101	9.2	0.0	30.7
203	17.6	0.0	38.9



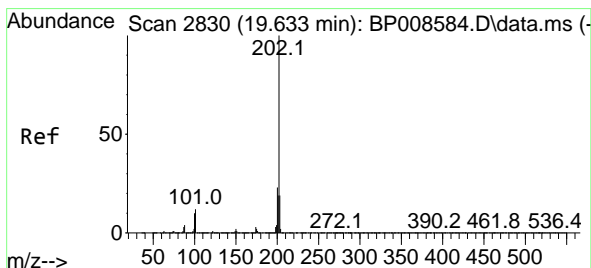
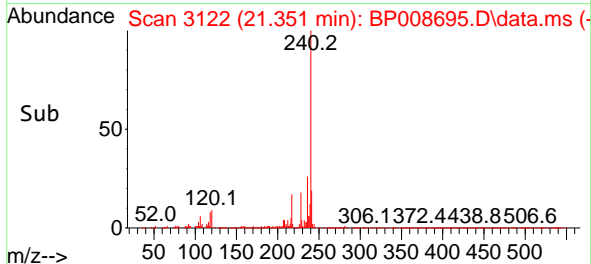
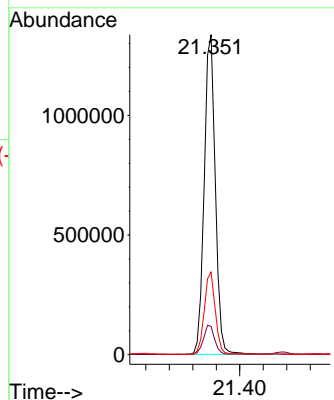
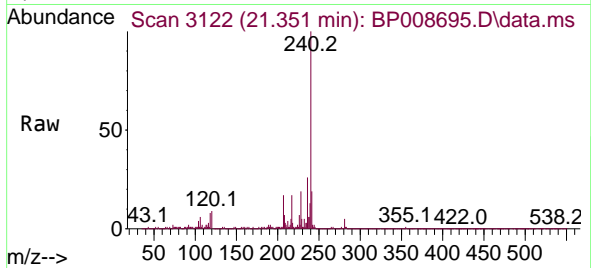


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.351 min Scan# 31  
 Delta R.T. -0.012 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-6-(0-2)

Tgt Ion:240 Resp: 1758907

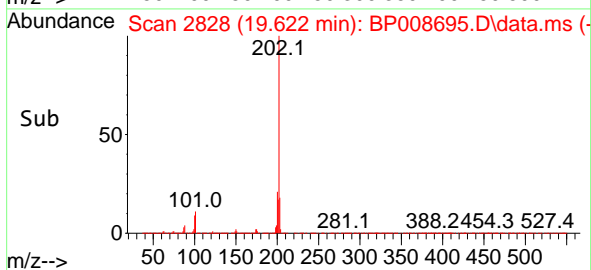
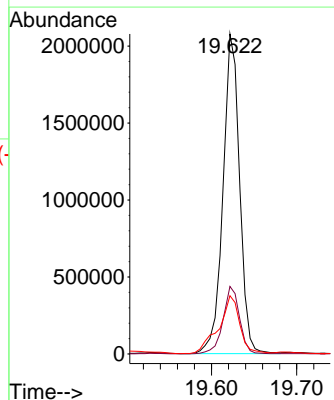
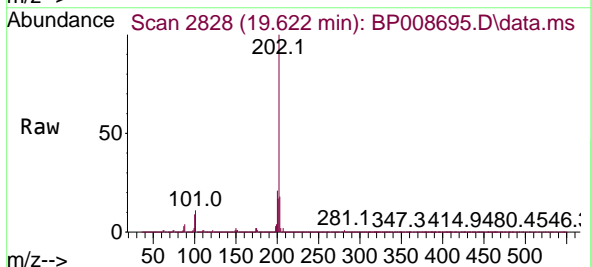
Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.7	11.5
236	25.8	21.2	31.8

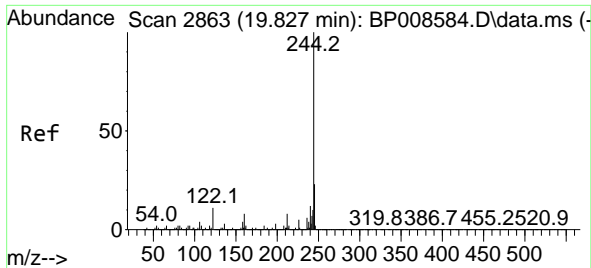


#78  
 Pyrene  
 Concen: 24.643 ng  
 RT: 19.622 min Scan# 2828  
 Delta R.T. -0.012 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Tgt Ion:202 Resp: 2819800

Ion	Ratio	Lower	Upper
202	100		
200	21.1	18.0	27.0
203	18.2	15.0	22.6

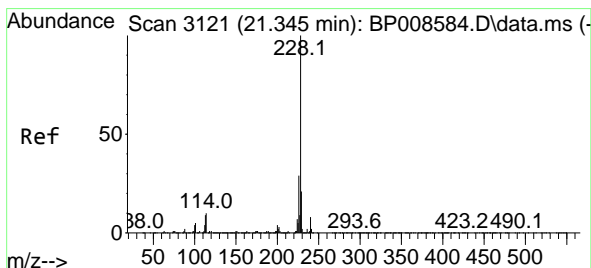
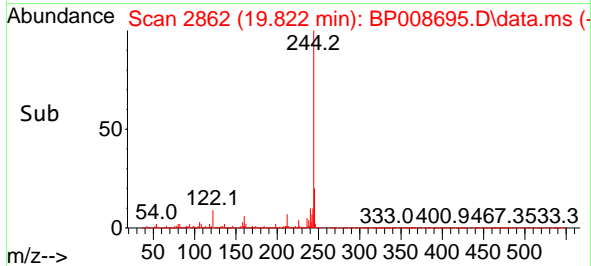
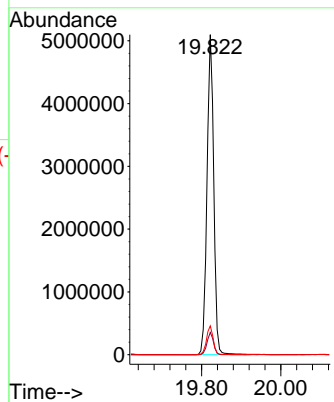
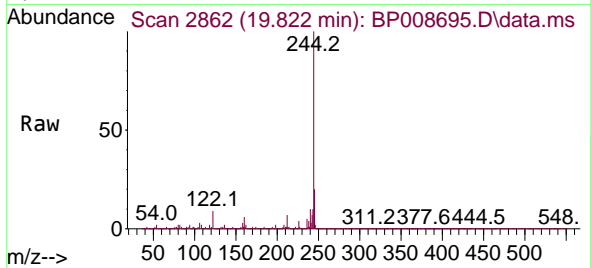




#79  
 Terphenyl-d14  
 Concen: 69.918 ng  
 RT: 19.822 min Scan# 21  
 Delta R.T. -0.005 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

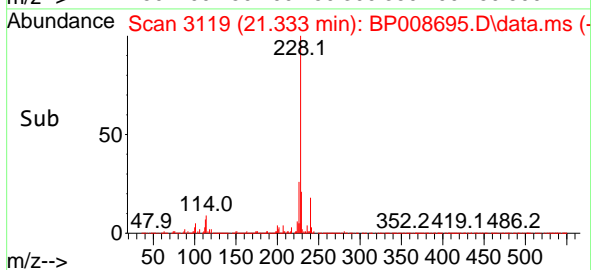
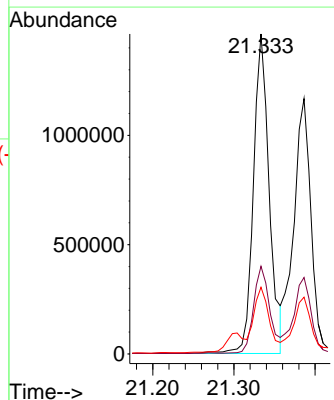
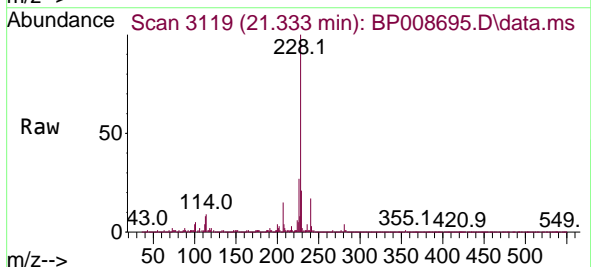
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-6-(0-2)

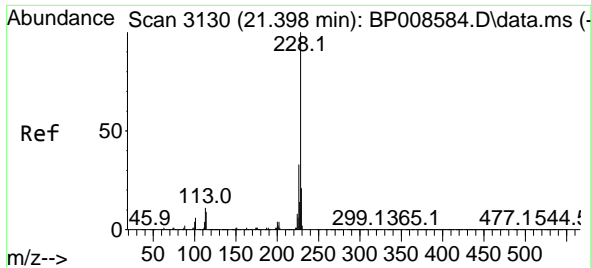
Tgt Ion:244 Resp: 6023098  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 6.5 9.7  
 122 9.0 9.2 13.8#



#81  
 Benzo(a)anthracene  
 Concen: 17.396 ng  
 RT: 21.333 min Scan# 3119  
 Delta R.T. -0.012 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

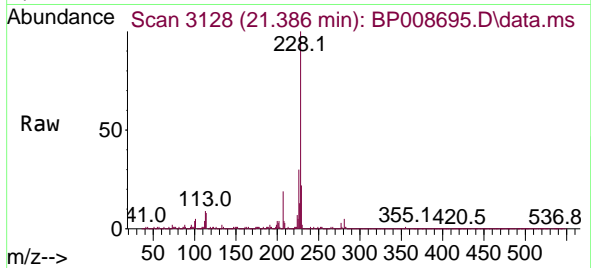
Tgt Ion:228 Resp: 1985014  
 Ion Ratio Lower Upper  
 228 100  
 226 27.4 23.3 34.9  
 229 20.9 17.0 25.6



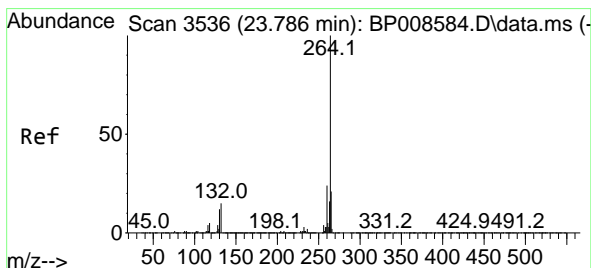
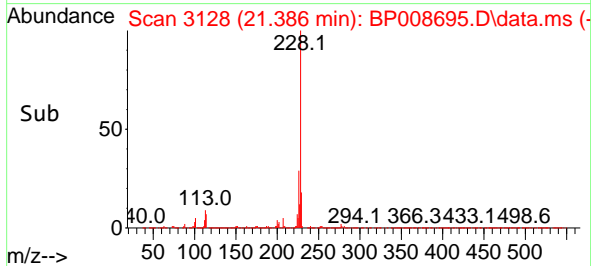
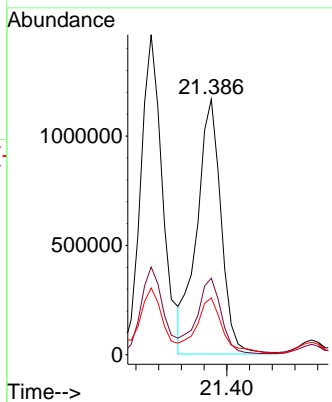


#83  
 Chrysene  
 Concen: 16.210 ng  
 RT: 21.386 min Scan# 31  
 Delta R.T. -0.012 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-6-(0-2)

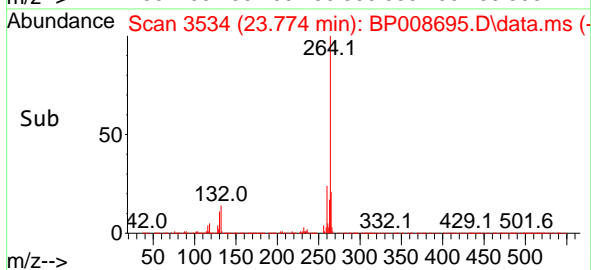
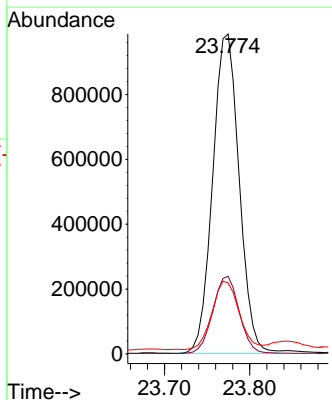
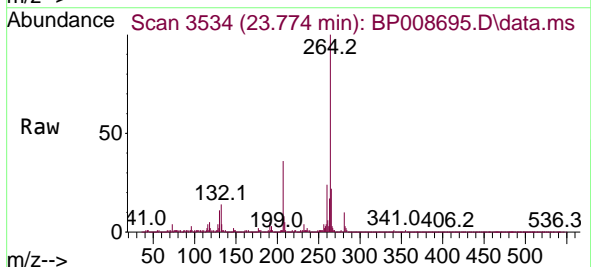


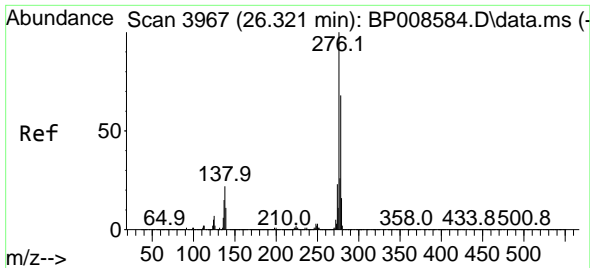
Tgt Ion:228 Resp: 1729643  
 Ion Ratio Lower Upper  
 228 100  
 226 29.9 26.0 39.0  
 229 22.3 16.9 25.3



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.774 min Scan# 3534  
 Delta R.T. -0.012 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

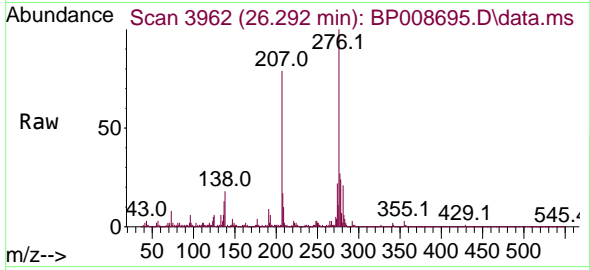
Tgt Ion:264 Resp: 2127621  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.1 28.7  
 265 22.2 17.1 25.7



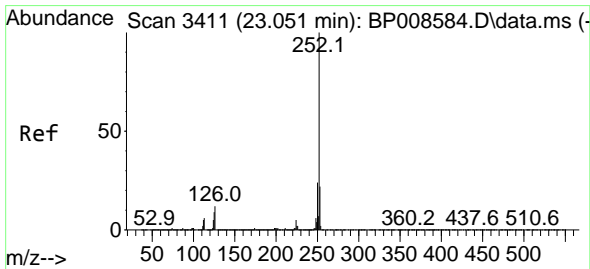
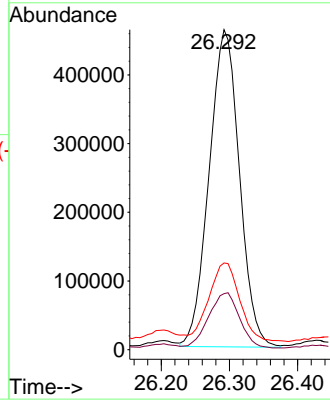
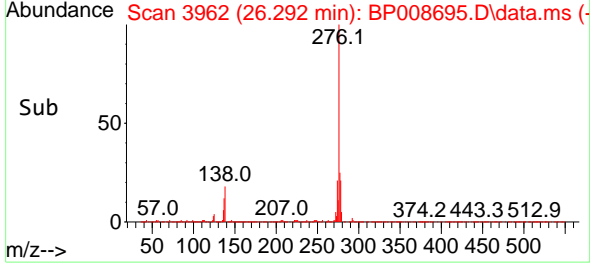


#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 10.013 ng  
 RT: 26.292 min Scan# 3409  
 Delta R.T. -0.029 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

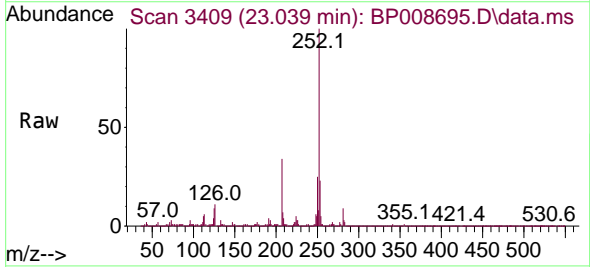
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-6-(0-2)



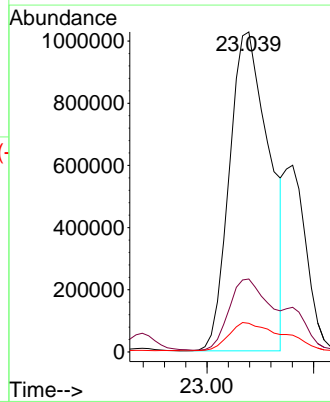
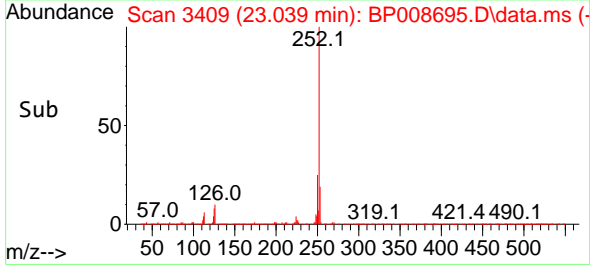
Tgt Ion:276 Resp: 1430945  
 Ion Ratio Lower Upper  
 276 100  
 138 17.8 17.8 26.6  
 277 25.2 20.4 30.6

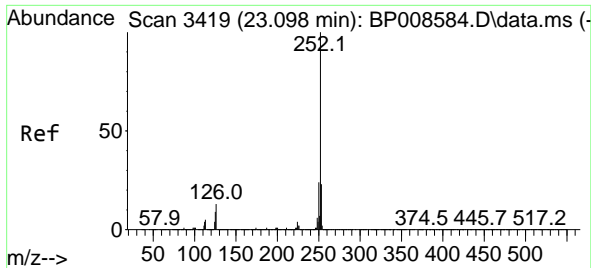


#88  
 Benzo(b)fluoranthene  
 Concen: 19.549 ng  
 RT: 23.039 min Scan# 3409  
 Delta R.T. -0.012 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01



Tgt Ion:252 Resp: 2674853  
 Ion Ratio Lower Upper  
 252 100  
 253 22.8 18.0 27.0  
 125 8.9 6.9 10.3



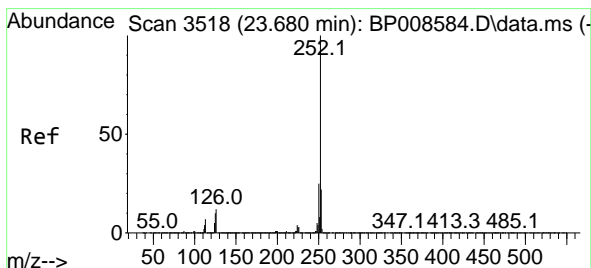
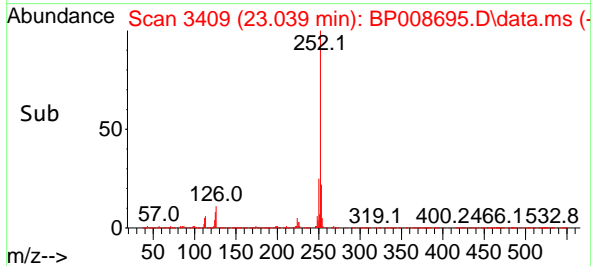
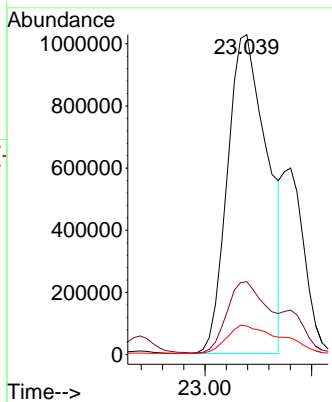
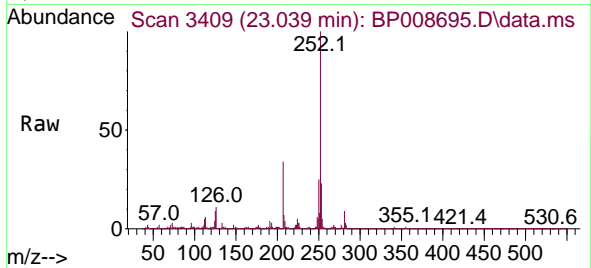


#89  
 Benzo(k)fluoranthene  
 Concen: 19.665 ng  
 RT: 23.039 min Scan# 3419  
 Delta R.T. -0.059 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-6-(0-2)

Tgt Ion:252 Resp: 2674853

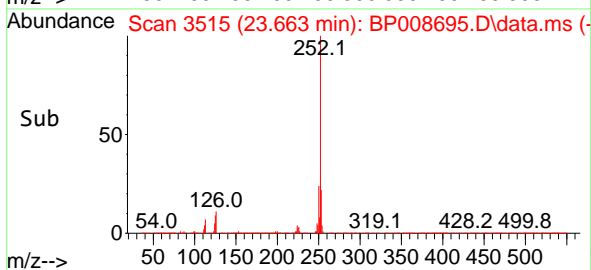
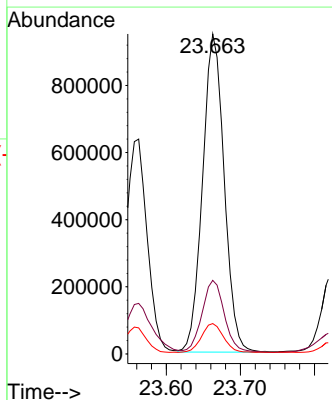
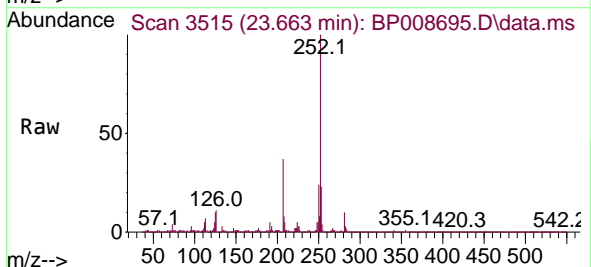
Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	8.9	7.3	10.9

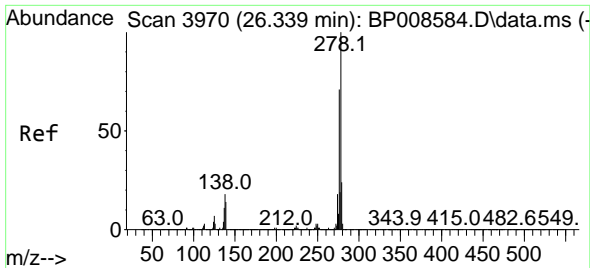


#90  
 Benzo(a)pyrene  
 Concen: 17.441 ng  
 RT: 23.663 min Scan# 3515  
 Delta R.T. -0.017 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Tgt Ion:252 Resp: 1923804

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	9.5	7.8	11.6



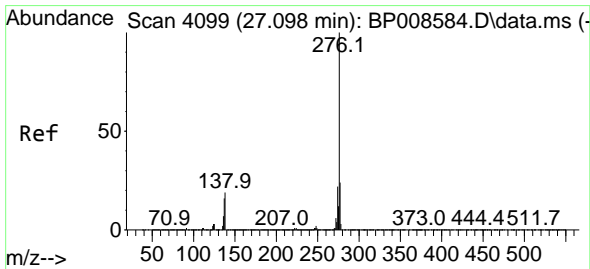
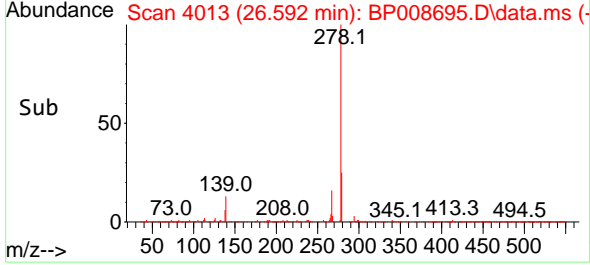
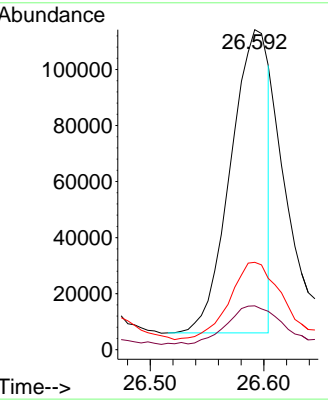
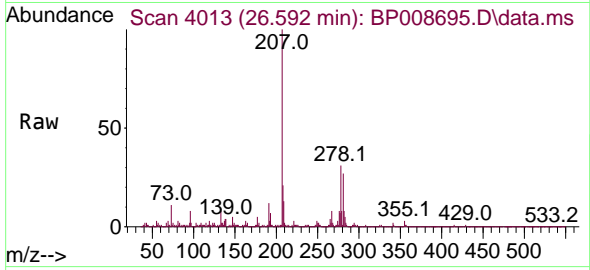


#91  
 Dibenzo(a,h)anthracene  
 Concen: 2.066 ng  
 RT: 26.592 min Scan# 4013  
 Delta R.T. 0.253 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Instrument : BNA\_P  
 ClientSampleId : SB-6-(0-2)

Tgt Ion: 278 Resp: 249136

Ion	Ratio	Lower	Upper
278	100		
139	13.7	11.5	17.3
279	27.3	19.1	28.7



#92  
 Benzo(g,h,i)perylene  
 Concen: 12.223 ng  
 RT: 27.068 min Scan# 4094  
 Delta R.T. -0.029 min  
 Lab File: BP008695.D  
 Acq: 05 Jan 2022 18:01

Tgt Ion: 276 Resp: 1377932

Ion	Ratio	Lower	Upper
276	100		
277	26.8	19.2	28.8
138	18.4	15.0	22.4

