

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM020421\  
 Data File : BM028656.D  
 Acq On : 04 Feb 2021 16:16  
 Operator : CG/JU  
 Sample : M1291-01 5X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OU421-007-0002

Quant Time: Feb 04 16:51:20 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM012021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 29 16:19:07 2021  
 Response via : Initial Calibration

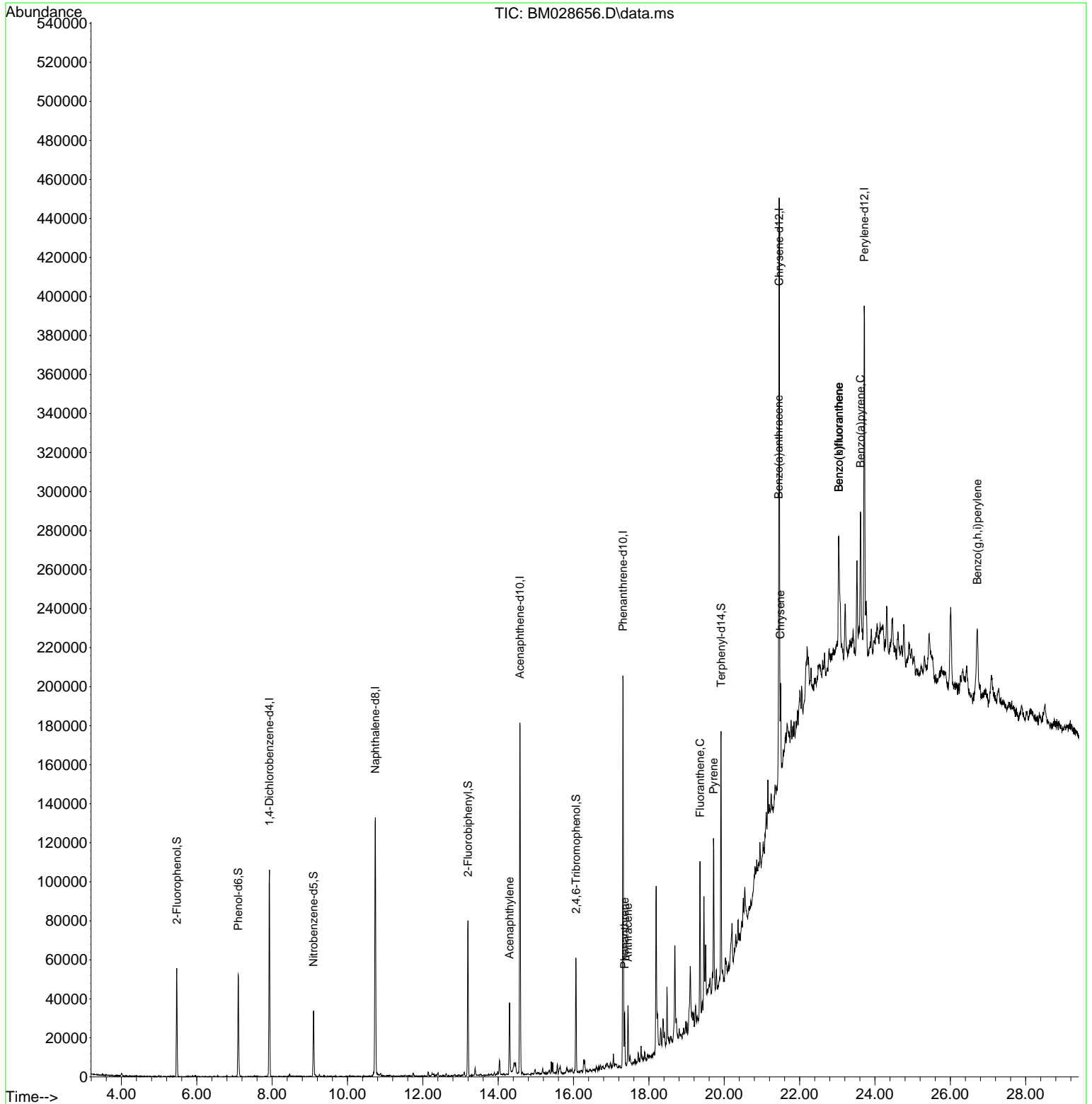
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	28801	20.00	ng	0.00
21) Naphthalene-d8	10.740	136	110641	20.00	ng	# 0.00
39) Acenaphthene-d10	14.575	164	60099	20.00	ng	-0.01
64) Phenanthrene-d10	17.310	188	117365	20.00	ng	#-0.01
76) Chrysene-d12	21.457	240	114041	20.00	ng	#-0.01
86) Perylene-d12	23.715	264	118370	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.470	112	23960	13.14	ng	-0.01
7) Phenol-d6	7.099	99	29492	11.88	ng	-0.02
23) Nitrobenzene-d5	9.099	82	18089	7.75	ng	-0.01
42) 2,4,6-Tribromophenol	16.063	330	9845	12.36	ng	-0.01
45) 2-Fluorobiphenyl	13.198	172	40559	8.47	ng	-0.01
79) Terphenyl-d14	19.916	244	49978	7.91	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.304	152	30530	4.91	ng	99
71) Phenanthrene	17.357	178	15277	2.12	ng	99
72) Anthracene	17.445	178	18789	2.69	ng	99
75) Fluoranthene	19.357	202	39050	4.82	ng	96
78) Pyrene	19.716	202	44089	5.39	ng	98
81) Benzo(a)anthracene	21.445	228	26915	3.42	ng	# 86
83) Chrysene	21.492	228	27535	3.62	ng	# 94
88) Benzo(b)fluoranthene	23.039	252	63819	7.94	ng	# 88
89) Benzo(k)fluoranthene	23.039	252	63819	8.13	ng	# 88
90) Benzo(a)pyrene	23.615	252	41206	5.53	ng	# 88
92) Benzo(g,h,i)perylene	26.715	276	43770	6.10	ng	# 89
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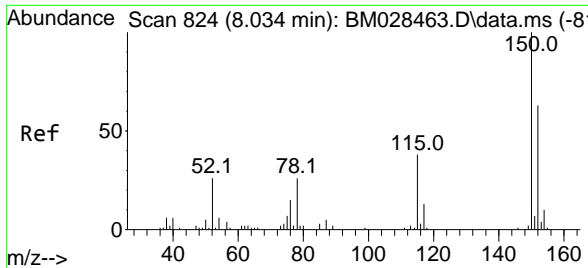
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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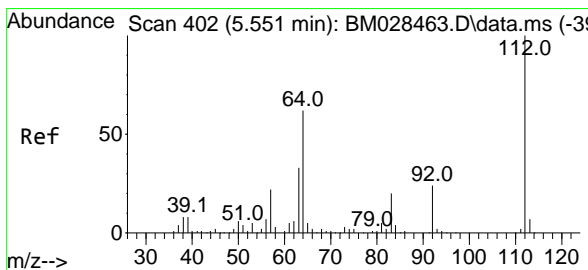
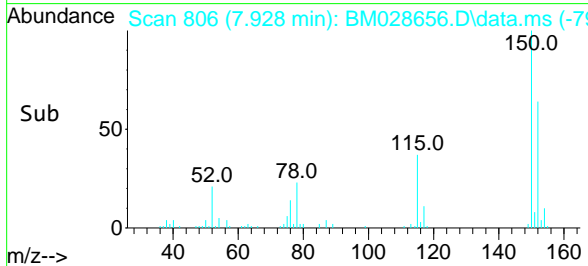
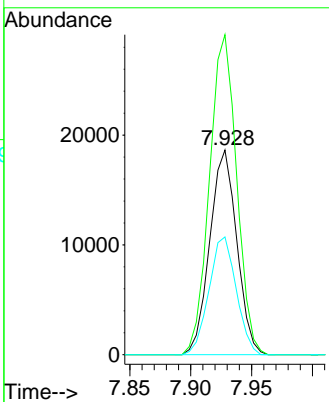
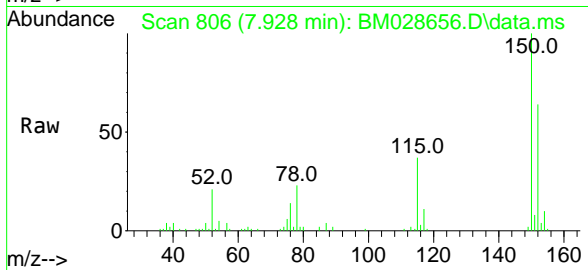




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.928 min Scan# 806  
 Delta R.T. -0.006 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

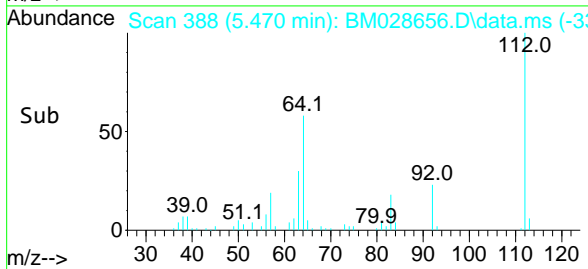
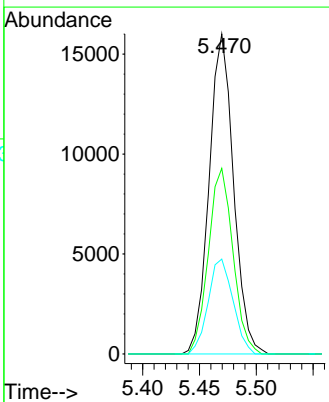
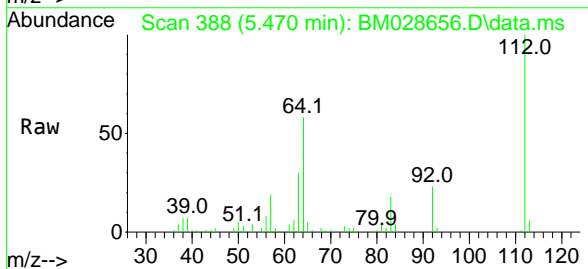
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 OU421-007-0002

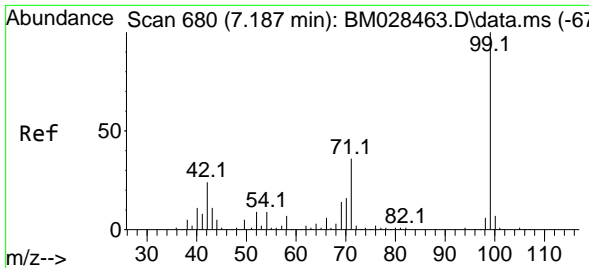
Tgt Ion:152 Resp: 28801  
 Ion Ratio Lower Upper  
 152 100  
 150 156.3 120.6 181.0  
 115 57.6 47.2 70.8



#5  
 2-Fluorophenol  
 Concen: 13.14 ng  
 RT: 5.470 min Scan# 388  
 Delta R.T. -0.011 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

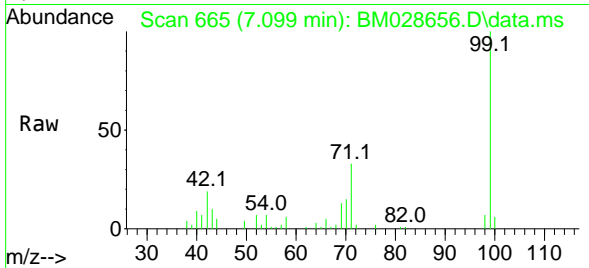
Tgt Ion:112 Resp: 23960  
 Ion Ratio Lower Upper  
 112 100  
 64 58.0 50.6 76.0  
 63 29.6 31.0 46.6#





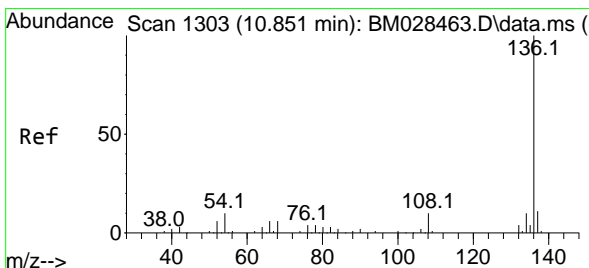
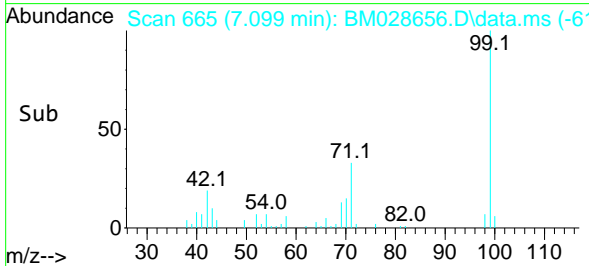
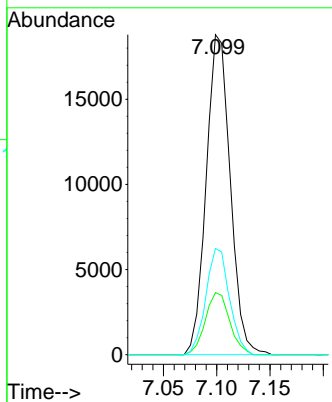
#7  
 Phenol-d6  
 Concen: 11.88 ng  
 RT: 7.099 min Scan# 665  
 Delta R.T. -0.023 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

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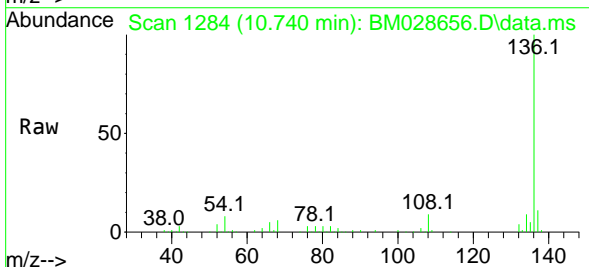


Tgt Ion: 99 Resp: 29492

Ion	Ratio	Lower	Upper
99	100		
42	19.4	13.5	20.3
71	33.2	39.4	59.0#

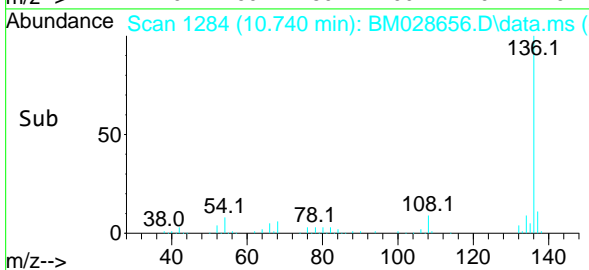
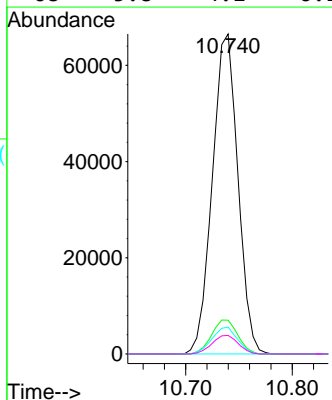


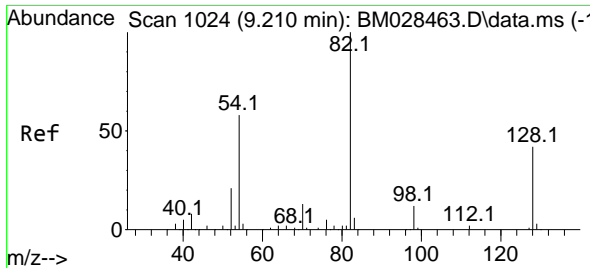
#21  
 Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 10.740 min Scan# 1284  
 Delta R.T. -0.006 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16



Tgt Ion: 136 Resp: 110641

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	8.4	4.6	7.0#
68	5.8	4.1	6.1

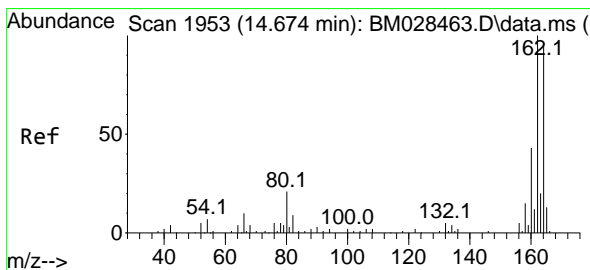
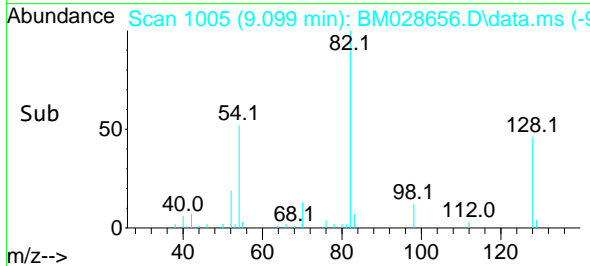
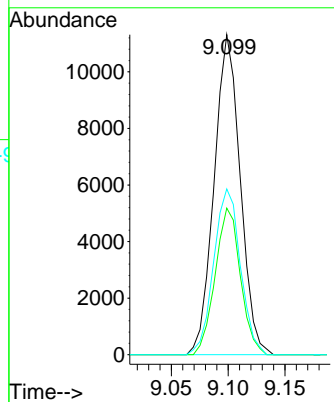
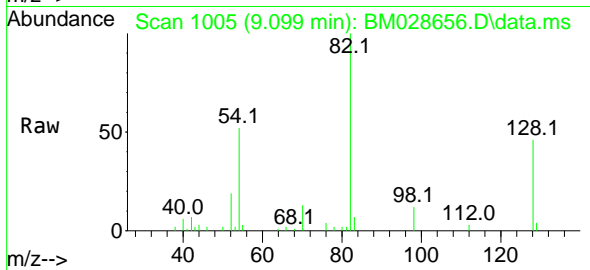




#23  
 Nitrobenzene-d5  
 Concen: 7.75 ng  
 RT: 9.099 min Scan# 1005  
 Delta R.T. -0.011 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

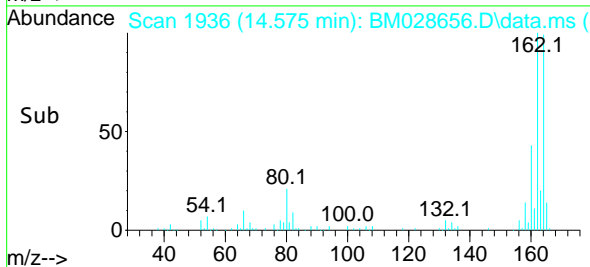
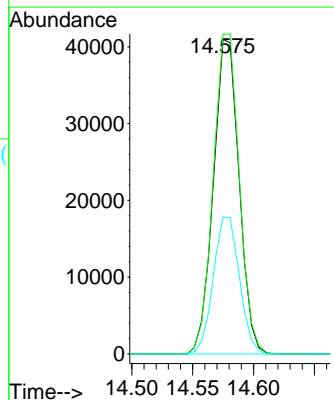
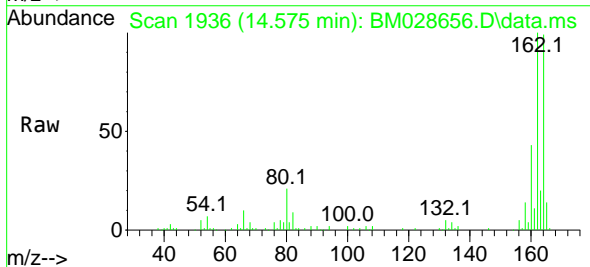
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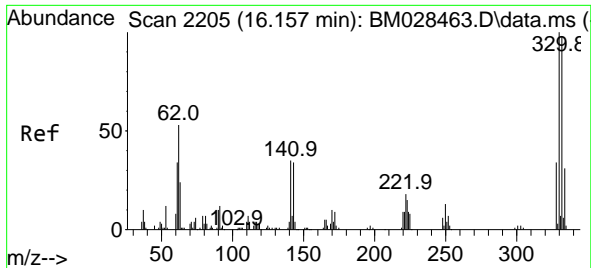
Tgt Ion	Resp	Lower	Upper
82	18089		
128	45.8	27.4	41.0#
54	51.8	31.4	47.0#



#39  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.575 min Scan# 1936  
 Delta R.T. -0.011 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

Tgt Ion	Resp	Lower	Upper
164	60099		
162	101.5	80.4	120.6
160	43.6	35.9	53.9

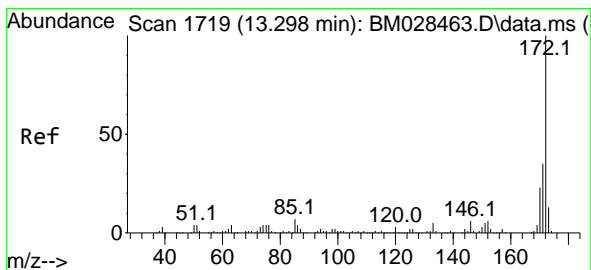
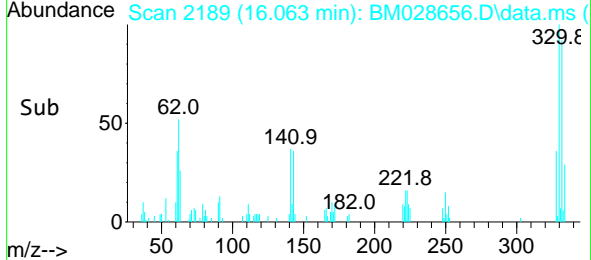
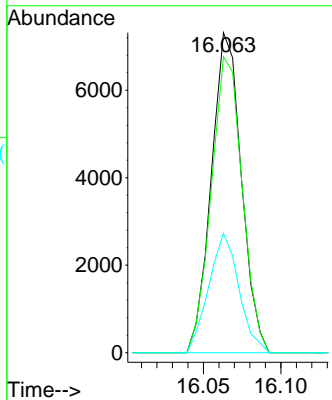
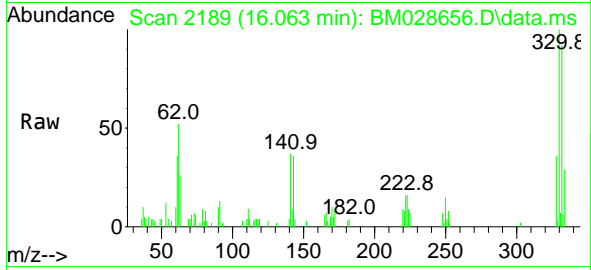




#42  
 2,4,6-Tribromophenol  
 Concen: 12.36 ng  
 RT: 16.063 min Scan# 2189  
 Delta R.T. -0.011 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

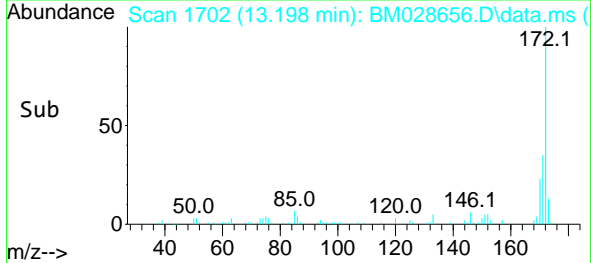
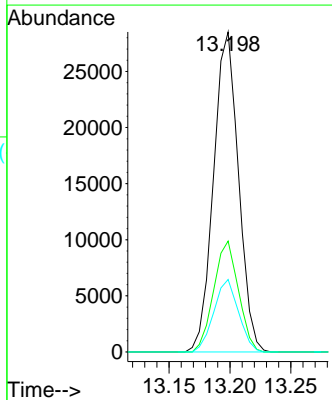
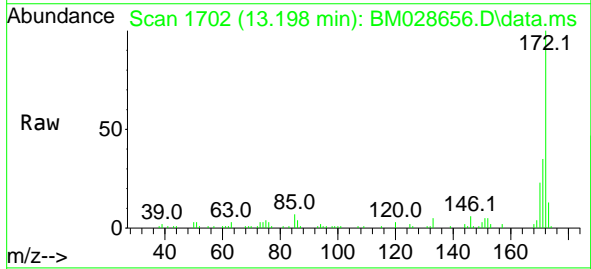
**Instrument :**  
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 OU421-007-0002

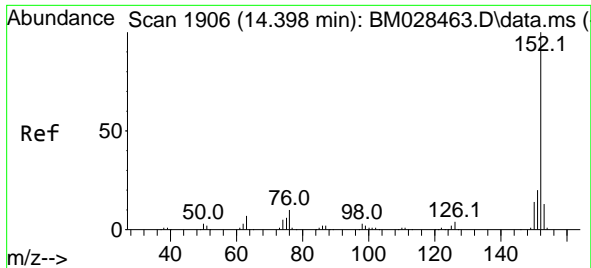
Tgt Ion	Resp	Lower	Upper
330	100		
332	95.4	77.8	116.8
141	37.5	28.4	42.6



#45  
 2-Fluorobiphenyl  
 Concen: 8.47 ng  
 RT: 13.198 min Scan# 1702  
 Delta R.T. -0.011 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

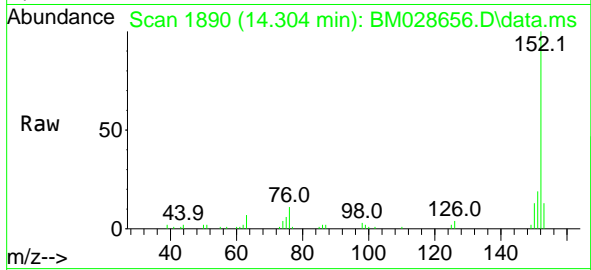
Tgt Ion	Resp	Lower	Upper
172	100		
171	34.6	27.8	41.8
170	22.7	18.6	27.8



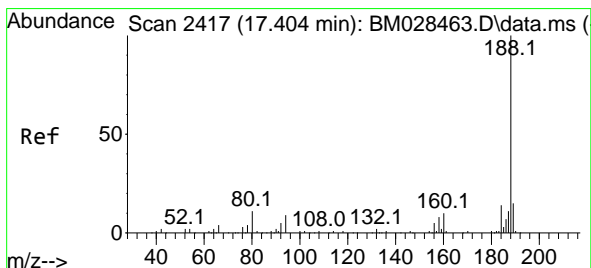
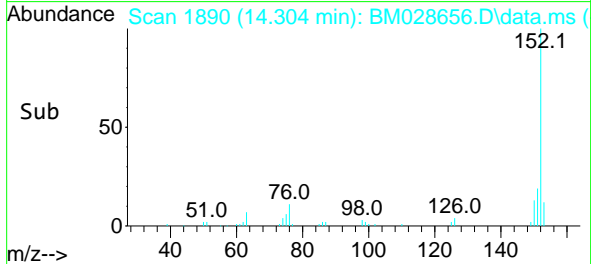
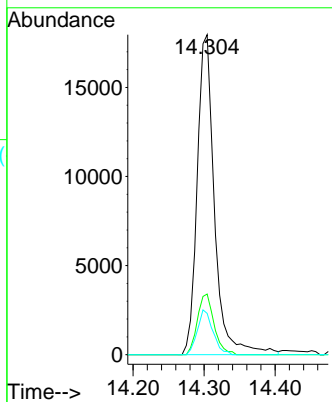


#49  
 Acenaphthylene  
 Concen: 4.91 ng  
 RT: 14.304 min Scan# 1890  
 Delta R.T. -0.011 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

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**ClientSampled :**  
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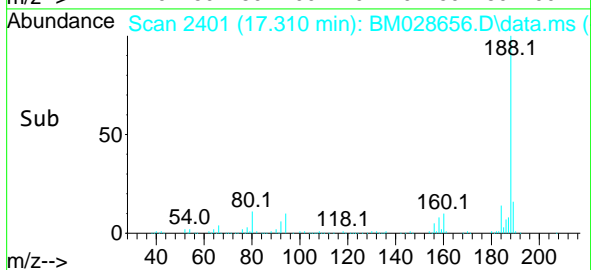
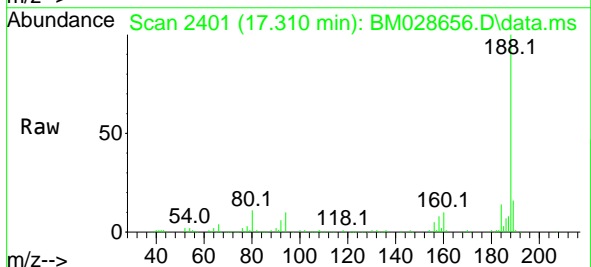
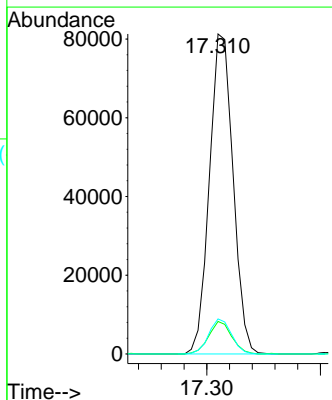


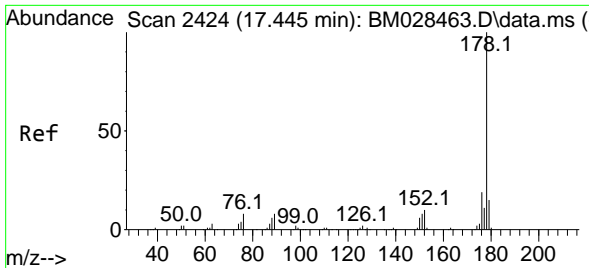
Tgt Ion:152 Resp: 30530  
 Ion Ratio Lower Upper  
 152 100  
 151 19.0 15.8 23.6  
 153 12.9 10.4 15.6



#64  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.310 min Scan# 2401  
 Delta R.T. -0.011 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

Tgt Ion:188 Resp: 117365  
 Ion Ratio Lower Upper  
 188 100  
 94 10.2 6.2 9.4#  
 80 10.9 7.5 11.3



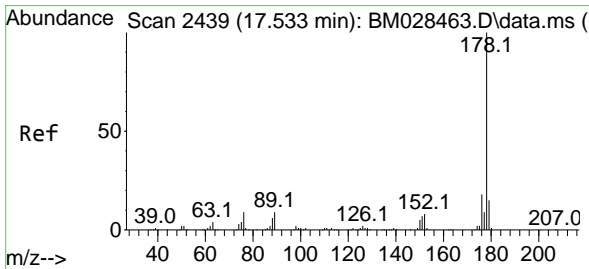
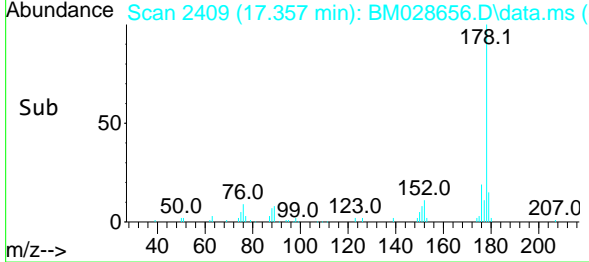
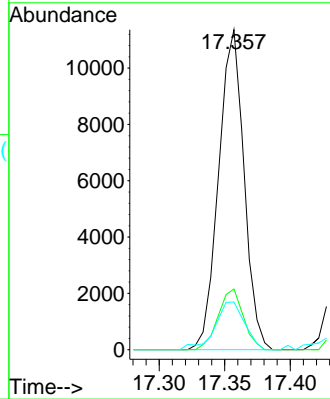
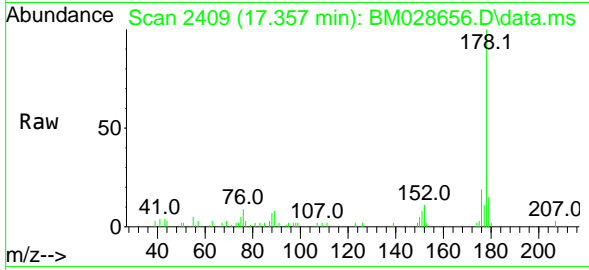


#71  
 Phenanthrene  
 Concen: 2.12 ng  
 RT: 17.357 min Scan# 2409  
 Delta R.T. -0.006 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

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Tgt Ion:178 Resp: 15277

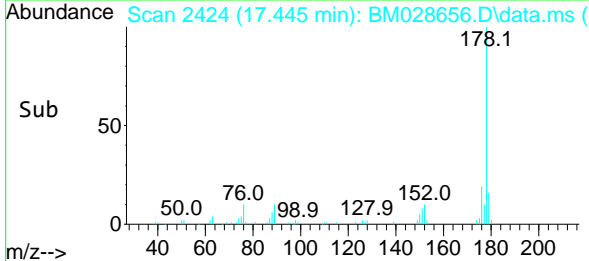
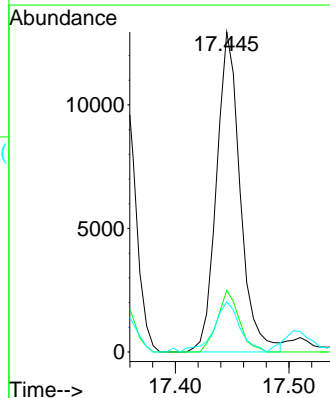
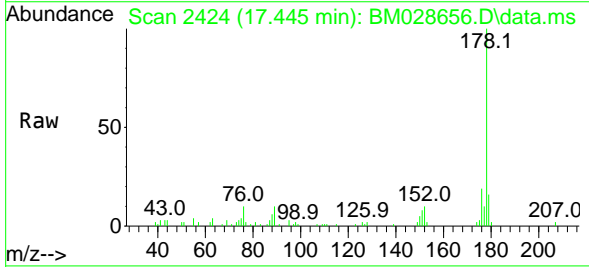
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	14.9	12.2	18.4



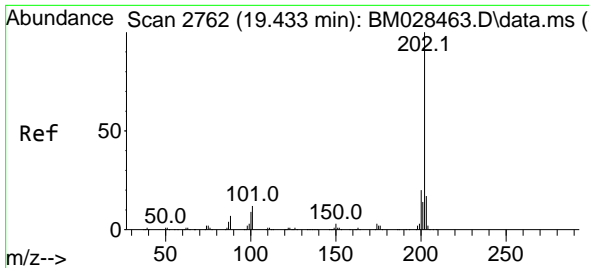
#72  
 Anthracene  
 Concen: 2.69 ng  
 RT: 17.445 min Scan# 2424  
 Delta R.T. -0.011 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

Tgt Ion:178 Resp: 18789

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	15.6	12.5	18.7



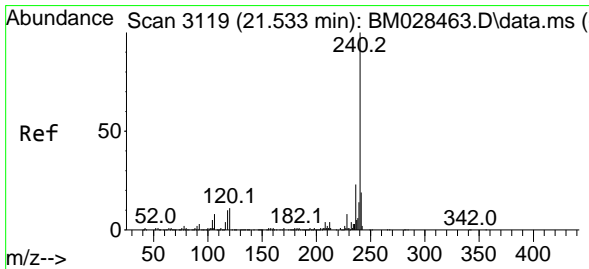
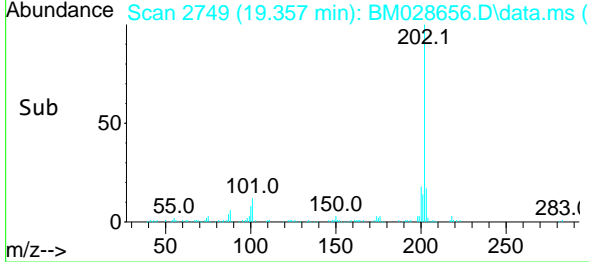
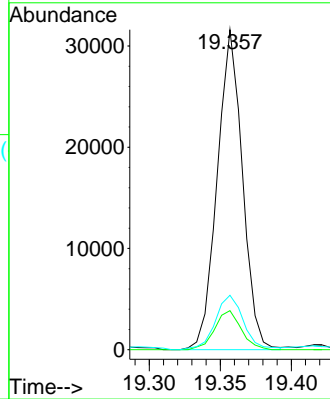
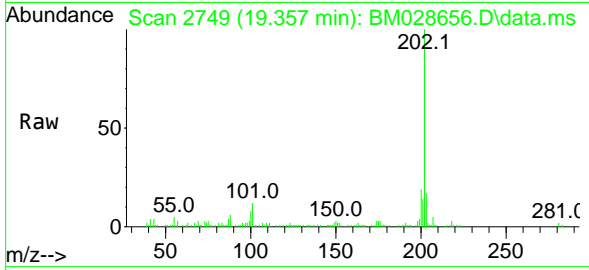




#75  
 Fluoranthene  
 Concen: 4.82 ng  
 RT: 19.357 min Scan# 2749  
 Delta R.T. -0.011 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

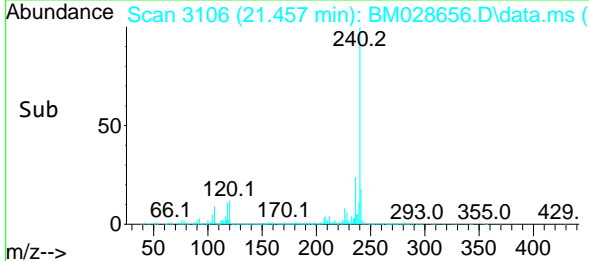
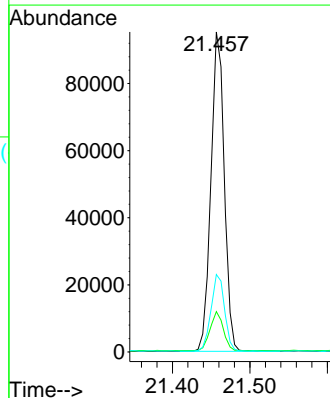
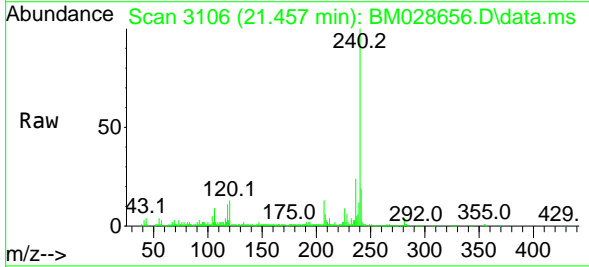
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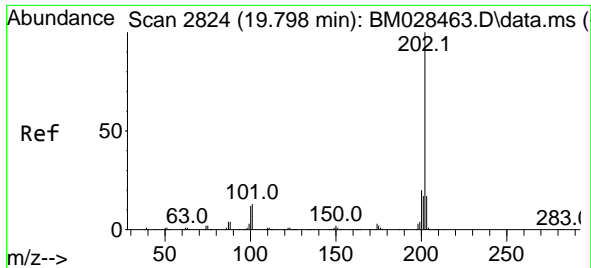
Tgt Ion	Resp	Lower	Upper
202	100		
101	12.2	0.0	28.5
203	17.0	0.0	37.3



#76  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.457 min Scan# 3106  
 Delta R.T. -0.011 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

Tgt Ion	Resp	Lower	Upper
240	100		
120	12.6	6.4	9.6#
236	24.2	20.1	30.1



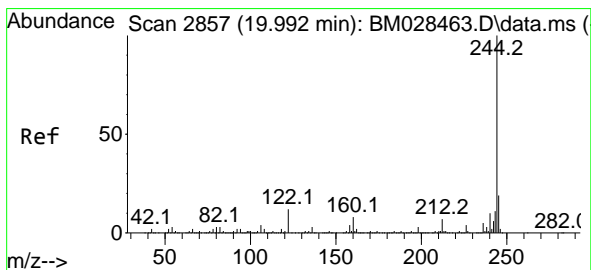
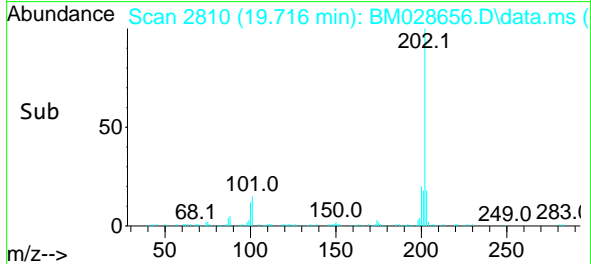
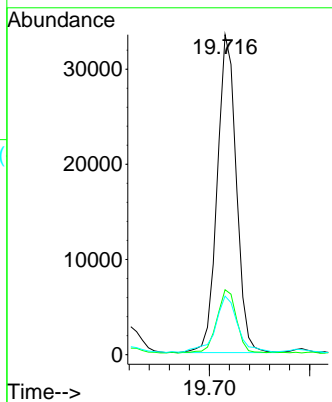
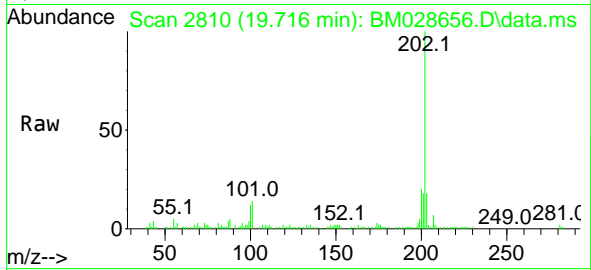


#78  
 Pyrene  
 Concen: 5.39 ng  
 RT: 19.716 min Scan# 2810  
 Delta R.T. -0.012 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

Instrument :  
 BNA\_M  
 ClientSampled :  
 OU421-007-0002

Tgt Ion:202 Resp: 44089

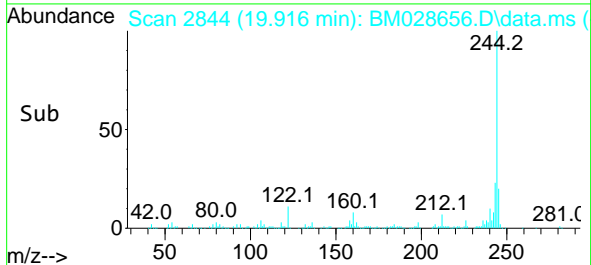
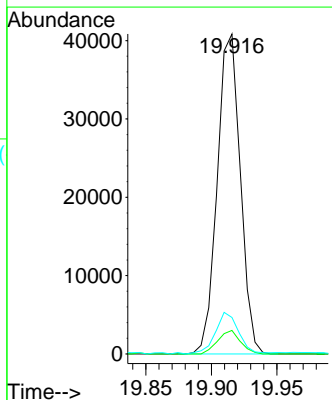
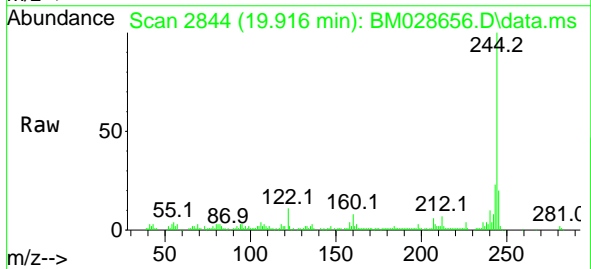
Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.6	24.8
203	18.3	13.8	20.6

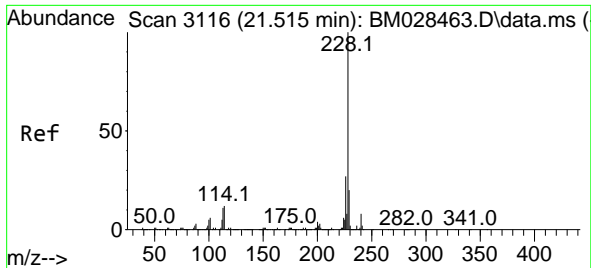


#79  
 Terphenyl-d14  
 Concen: 7.91 ng  
 RT: 19.916 min Scan# 2844  
 Delta R.T. -0.006 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

Tgt Ion:244 Resp: 49978

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	11.4	6.5	9.7#

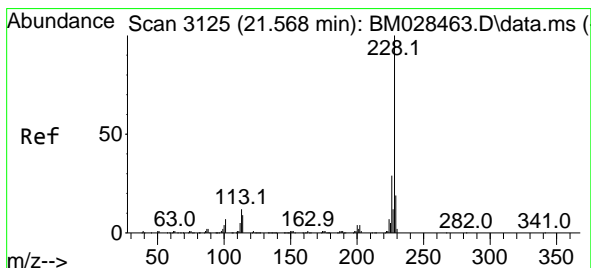
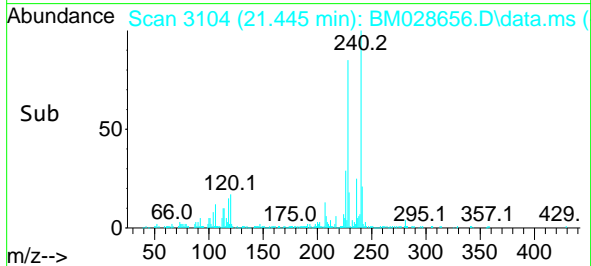
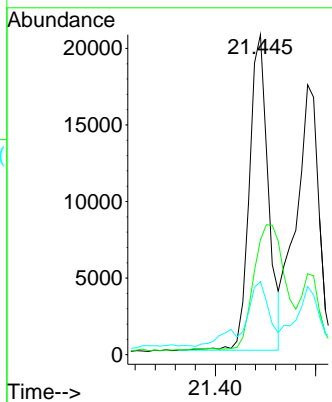
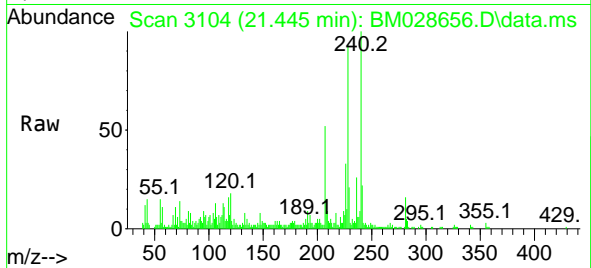




#81  
 Benzo(a)anthracene  
 Concen: 3.42 ng  
 RT: 21.445 min Scan# 3104  
 Delta R.T. -0.006 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

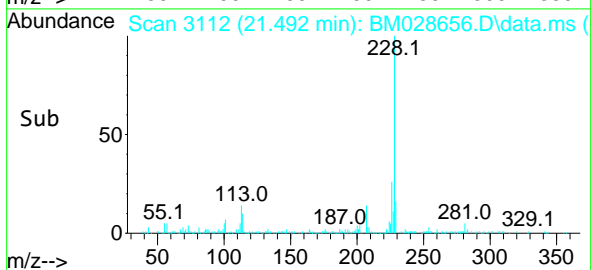
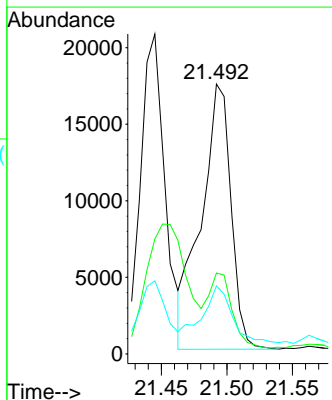
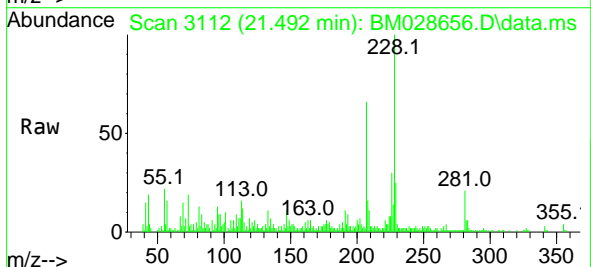
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OU421-007-0002

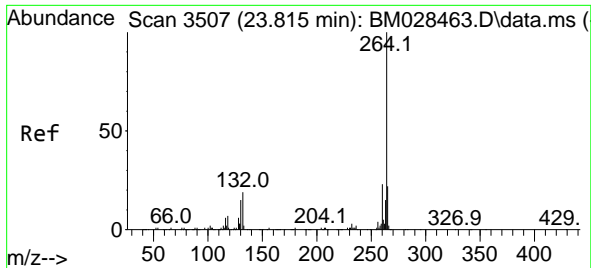
Tgt Ion	Resp	Lower	Upper
228	26915		
226	35.9	21.1	31.7#
229	22.9	15.7	23.5



#83  
 Chrysene  
 Concen: 3.62 ng  
 RT: 21.492 min Scan# 3112  
 Delta R.T. -0.011 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

Tgt Ion	Resp	Lower	Upper
228	27535		
226	30.0	23.4	35.0
229	25.2	15.7	23.5#

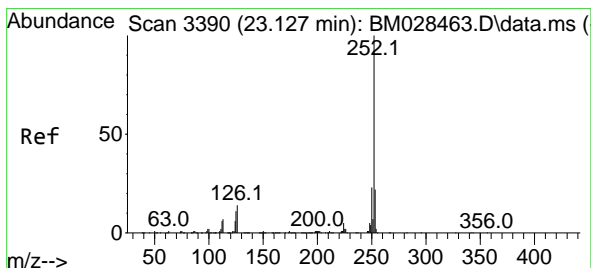
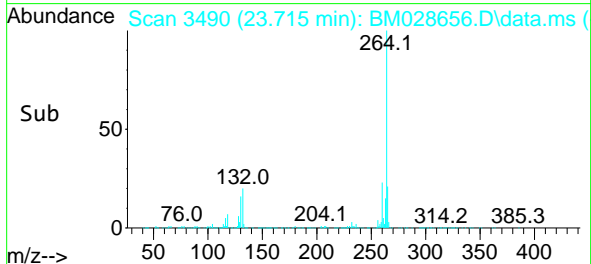
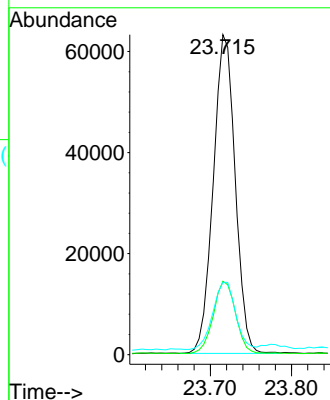
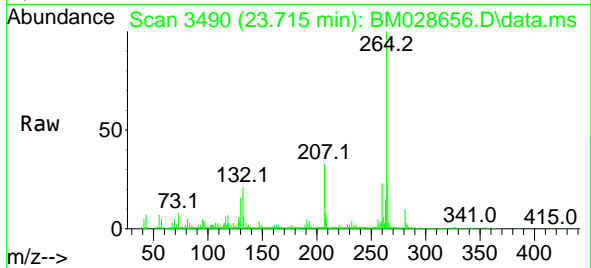




#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.715 min Scan# 3490  
 Delta R.T. -0.011 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

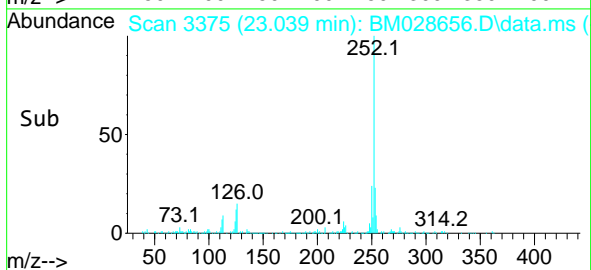
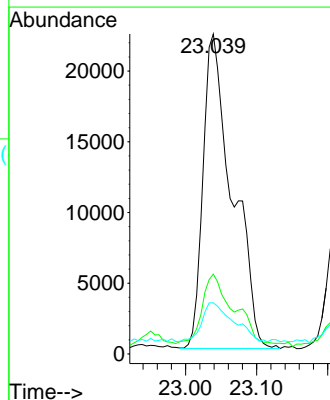
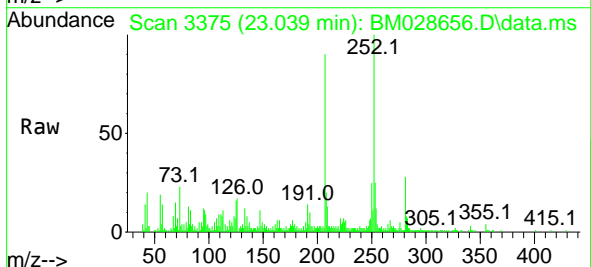
Instrument :  
 BNA\_M  
 ClientSampled :  
 OU421-007-0002

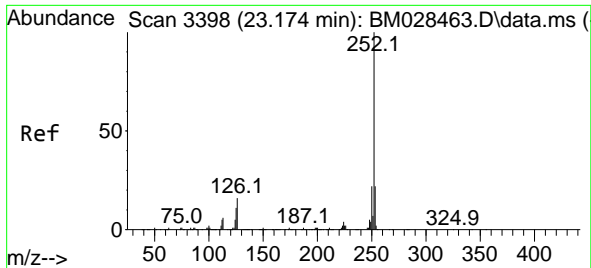
Tgt Ion	Resp	Lower	Upper
264	118370		
260	23.0	19.0	28.4
265	22.6	17.7	26.5



#88  
 Benzo(b)fluoranthene  
 Concen: 7.94 ng  
 RT: 23.039 min Scan# 3375  
 Delta R.T. -0.012 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

Tgt Ion	Resp	Lower	Upper
252	63819		
253	24.9	17.4	26.0
125	16.0	5.7	8.5#

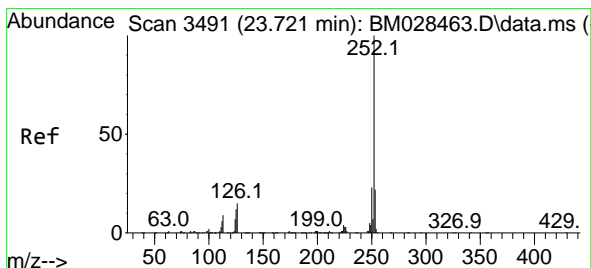
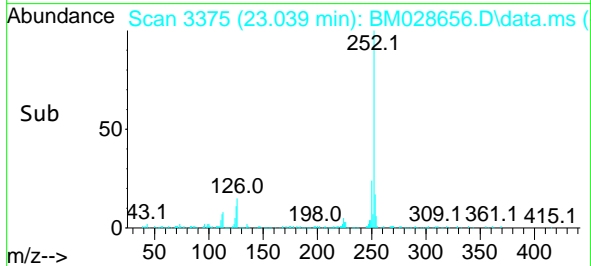
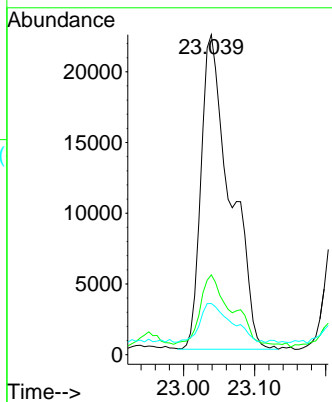
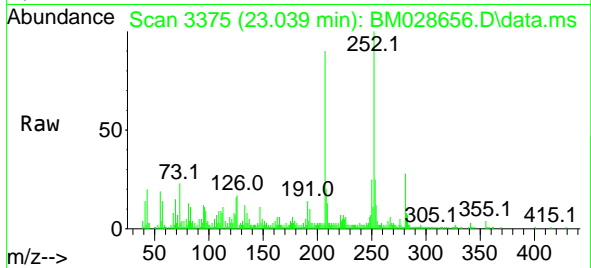




#89  
 Benzo(k)fluoranthene  
 Concen: 8.13 ng  
 RT: 23.039 min Scan# 3375  
 Delta R.T. -0.053 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

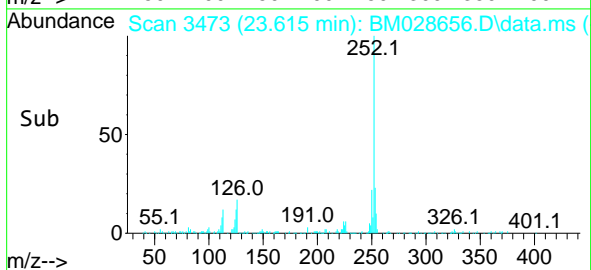
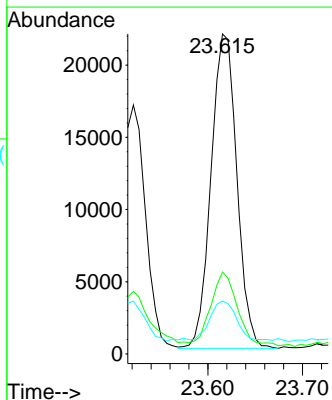
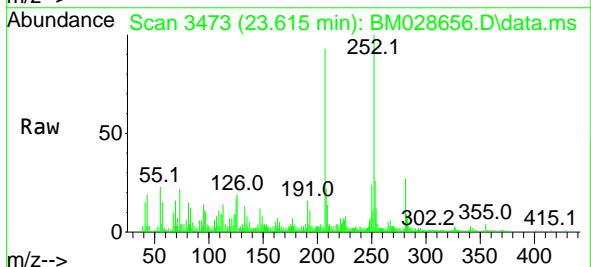
Instrument :  
 BNA\_M  
 ClientSampled :  
 OU421-007-0002

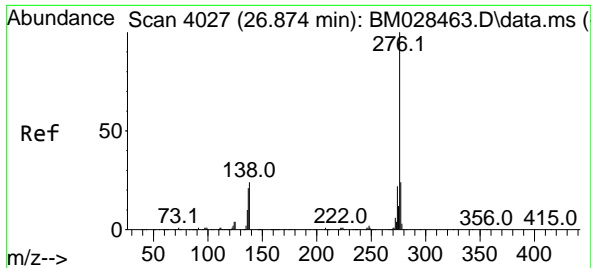
Tgt Ion:252 Resp: 63819  
 Ion Ratio Lower Upper  
 252 100  
 253 24.9 17.4 26.0  
 125 16.0 5.6 8.4#



#90  
 Benzo(a)pyrene  
 Concen: 5.53 ng  
 RT: 23.615 min Scan# 3473  
 Delta R.T. -0.017 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

Tgt Ion:252 Resp: 41206  
 Ion Ratio Lower Upper  
 252 100  
 253 25.6 17.4 26.2  
 125 16.6 6.6 9.8#





#92  
 Benzo(g,h,i)perylene  
 Concen: 6.10 ng  
 RT: 26.715 min Scan# 4000  
 Delta R.T. -0.017 min  
 Lab File: BM028656.D  
 Acq: 04 Feb 2021 16:16

**Instrument :**  
 BNA\_M  
**ClientSampled :**  
 OU421-007-0002

Tgt Ion:276 Resp: 43770

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	28.0
138	25.1	12.2	18.2#

