

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091622\  
 Data File : BN021788.D  
 Acq On : 16 Sep 2022 14:41  
 Operator : CG/JU  
 Sample : N4601-18  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A5759

Quant Time: Sep 17 00:21:34 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN081922.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Sep 17 00:17:38 2022  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.051	152	207288	20.000	ng/ul	0.00
20) Naphthalene-d8	10.881	136	912734	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.710	164	526217	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.457	188	908244	20.000	ng/ul	0.00
79) Chrysene-d12	21.651	240	531739	20.000	ng/ul	# 0.00
88) Perylene-d12	24.168	264	559189	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.358	96	16334	2.959	ng/uL	0.00
4) Pyridine-d5	3.805	84	24418	1.623	ng/ul	0.02
7) Phenol-d5	7.204	99	400598	21.308	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.369	67	225965	19.856	ng/ul	0.00
11) 2-Chlorophenol-d4	7.569	132	318794	23.307	ng/ul	0.00
15) 4-Methylphenol-d8	8.763	113	322814	21.884	ng/ul	0.00
21) Nitrobenzene-d5	9.228	128	163925	26.360	ng/ul	0.00
24) 2-Nitrophenol-d4	9.951	143	184219	33.166	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.498	165	311938	25.358	ng/ul	0.00
31) 4-Chloroaniline-d4	11.022	131	103197	4.940	ng/ul	0.00
46) Dimethylphthalate-d6	14.110	166	966038	26.859	ng/ul	0.00
49) Acenaphthylene-d8	14.398	160	1129597	26.940	ng/ul	0.00
54) 4-Nitrophenol-d4	14.904	143	100469	14.038	ng/ul	0.00
60) Fluorene-d10	15.698	176	823185	26.303	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.816	200	115270	31.730	ng/ul	0.00
73) Anthracene-d10	17.557	188	1039679	25.976	ng/ul	0.00
81) Pyrene-d10	19.851	212	918744	36.332	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.004	264	739632	27.906	ng/ul	0.01
Target Compounds						
6) Benzaldehyde	7.175	77	37151	4.548	ng/ul	96
8) Phenol	7.228	94	19541	1.006	ng/ul	98
16) Acetophenone	8.887	105	34069	1.460	ng/ul	93
30) Naphthalene	10.928	128	145223	3.056	ng/ul	98
36) 2-Methylnaphthalene	12.539	142	90686	2.821	ng/ul	99
37) 1-Methylnaphthalene	12.757	142	70954	2.196	ng/ul	97
50) Acenaphthylene	14.433	152	155201	3.206	ng/ul	99
56) Dibenzofuran	15.104	168	169827	3.779	ng/ul	99
72) Phenanthrene	17.498	178	785157	16.366	ng/ul	99
74) Anthracene	17.592	178	419745	8.787	ng/ul	98
77) Carbazole	17.863	167	160661	3.559	ng/ul	98
80) Fluoranthene	19.521	202	1963238	64.365	ng/ul	96
82) Pyrene	19.880	202	1693951	53.285	ng/ul#	92
85) Benzo(a)anthracene	21.633	228	514160	16.059	ng/ul	96
87) Chrysene	21.633	228	511860	16.513	ng/ul	97
90) Benzo(b)fluoranthene	23.398	252	1224429	35.991	ng/ul#	94
91) Benzo(k)fluoranthene	23.398	252	1224429	40.234	ng/ul#	98
93) Benzo(a)pyrene	24.056	252	442328	13.589	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	26.815	276	627975	15.715	ng/ul	95
95) Dibenzo(a,h)anthracene	26.821	278	72874	2.161	ng/ul#	71
96) Benzo(g,h,i)perylene	27.639	276	304547	8.734	ng/ul	95

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

**Instrument :**

BNA\_N

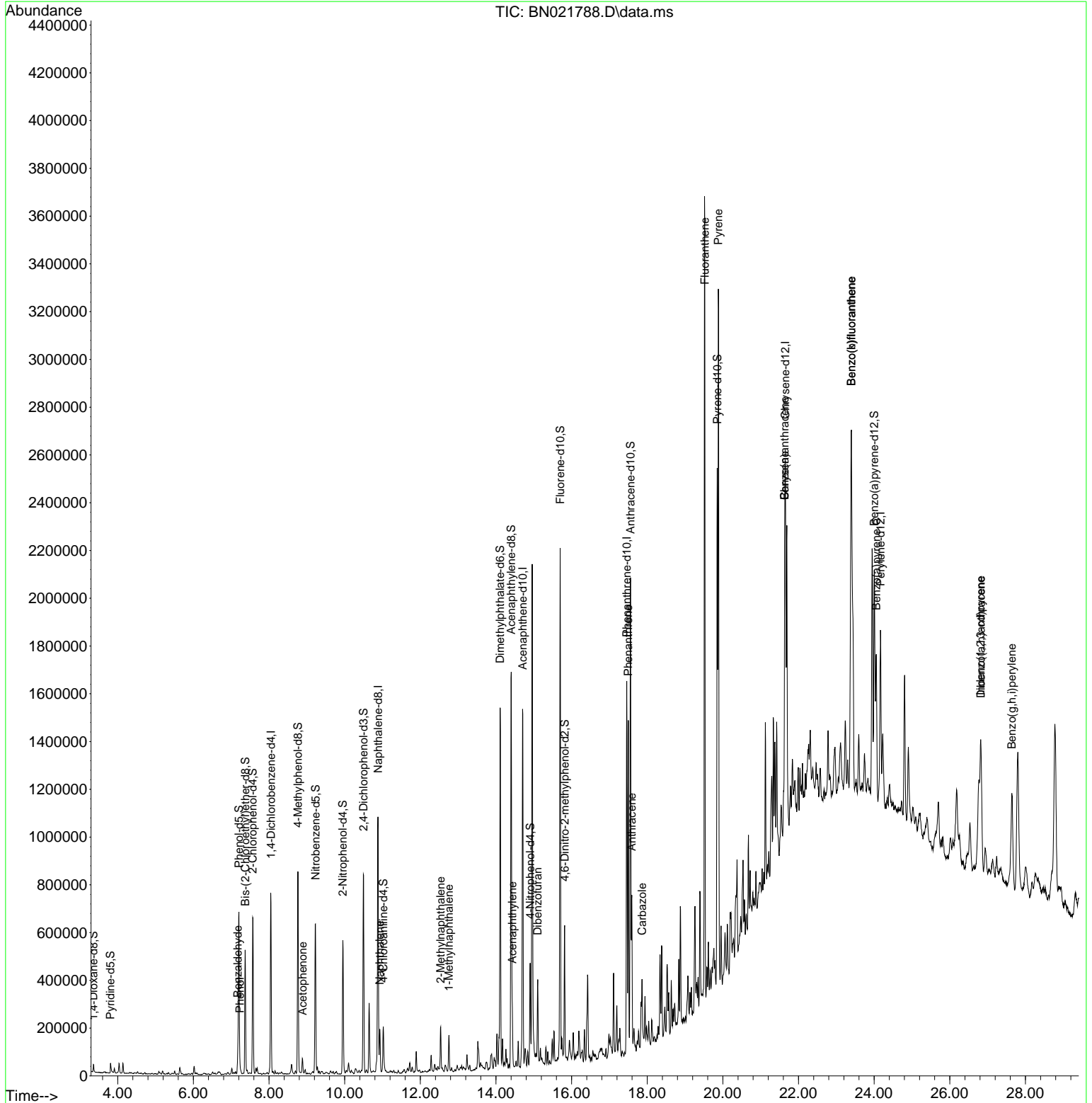
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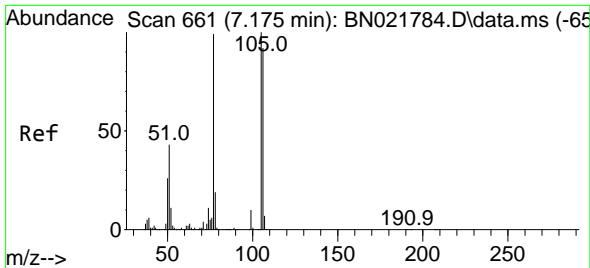
A5759

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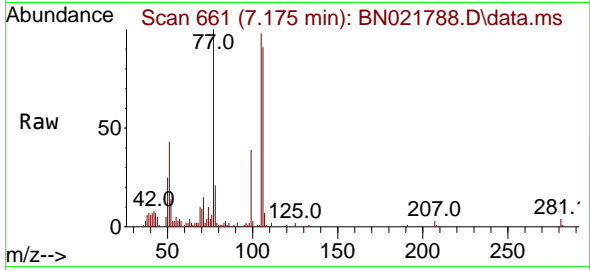
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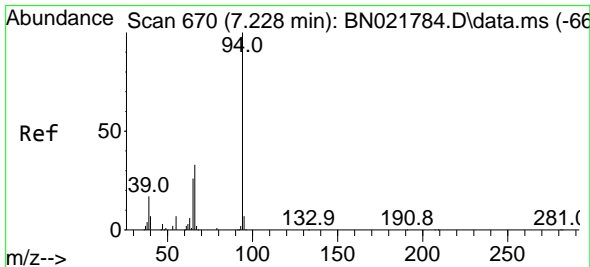
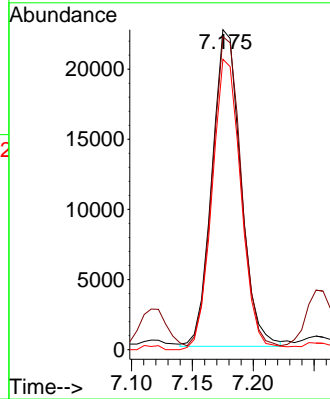
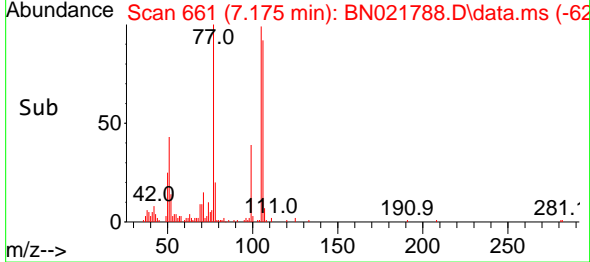


#6  
Benzaldehyde  
Concen: 4.548 ng/u1  
RT: 7.175 min Scan# 60  
Delta R.T. -0.000 min  
Lab File: BN021788.D  
Acq: 16 Sep 2022 14:41

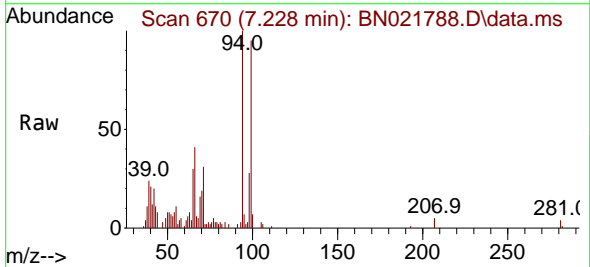
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ClientSampleId :  
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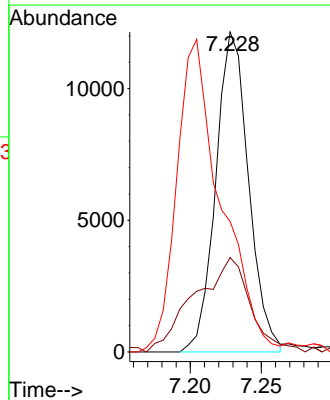
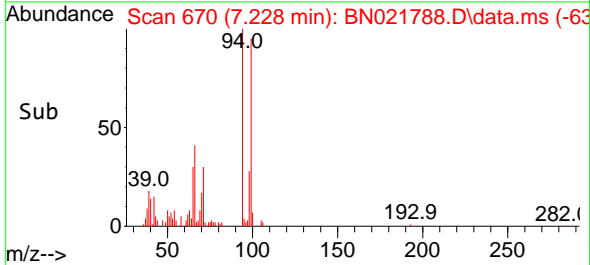
Tgt Ion: 77 Resp: 37151  
Ion Ratio Lower Upper  
77 100  
105 97.8 74.7 112.1  
106 90.7 70.2 105.4

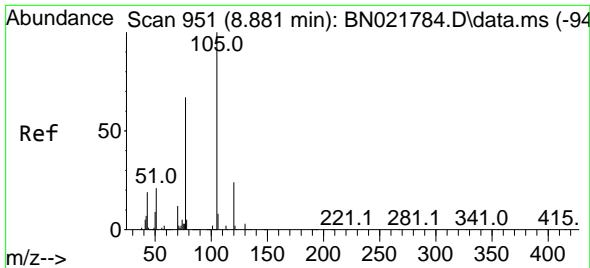


#8  
Phenol  
Concen: 1.006 ng/u1  
RT: 7.228 min Scan# 670  
Delta R.T. -0.000 min  
Lab File: BN021788.D  
Acq: 16 Sep 2022 14:41



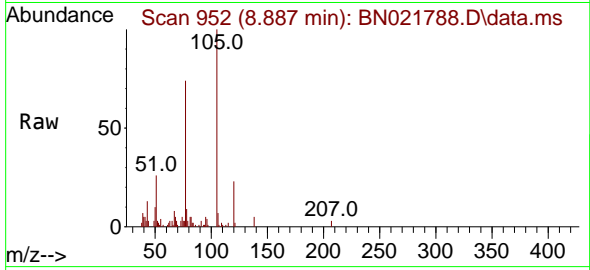
Tgt Ion: 94 Resp: 19541  
Ion Ratio Lower Upper  
94 100  
65 29.5 23.6 35.4  
66 40.8 31.2 46.8





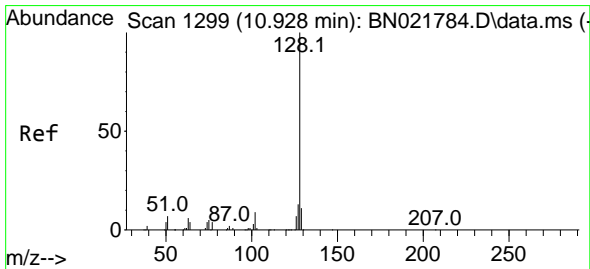
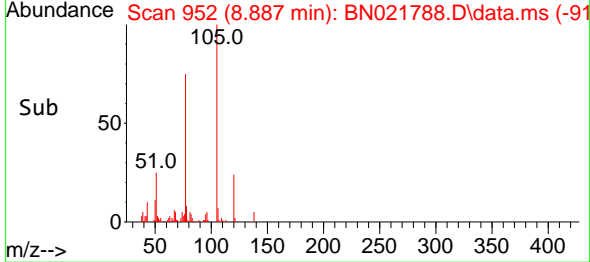
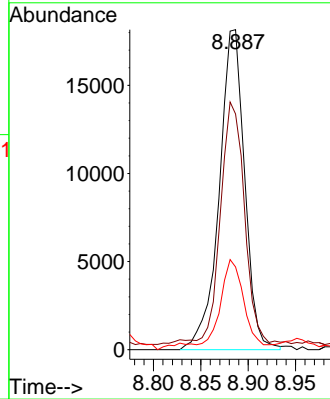
#16  
 Acetophenone  
 Concen: 1.460 ng/u1  
 RT: 8.887 min Scan# 91  
 Delta R.T. 0.006 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A5759



Tgt Ion:105 Resp: 34069

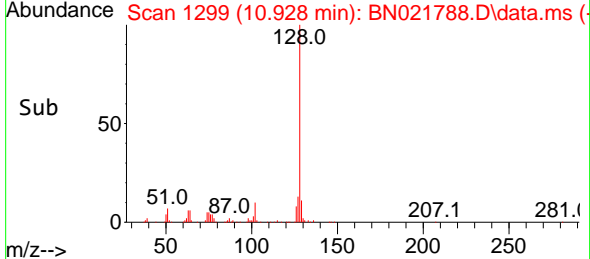
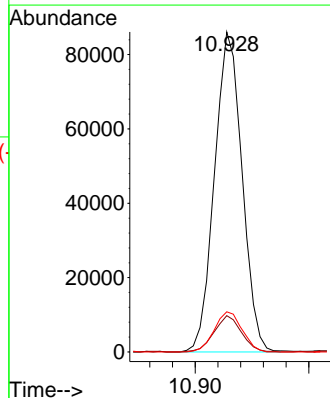
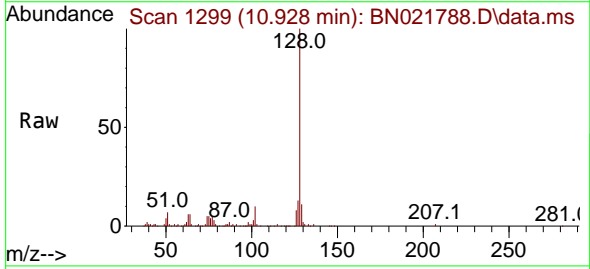
Ion	Ratio	Lower	Upper
105	100		
77	73.6	63.5	95.3
51	25.9	23.5	35.3

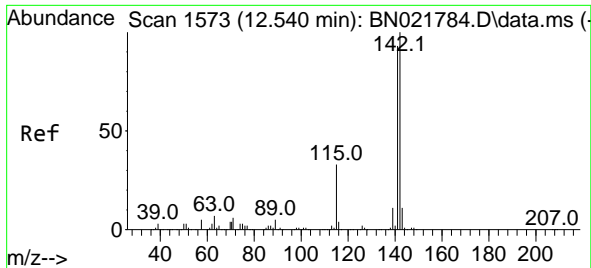


#30  
 Naphthalene  
 Concen: 3.056 ng/u1  
 RT: 10.928 min Scan# 1299  
 Delta R.T. -0.000 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

Tgt Ion:128 Resp: 145223

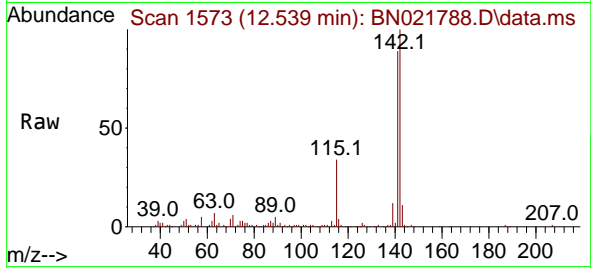
Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.7	13.1
127	12.6	10.6	16.0



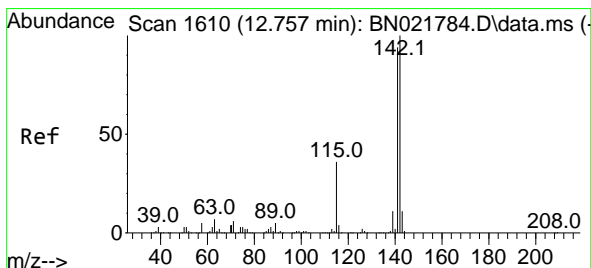
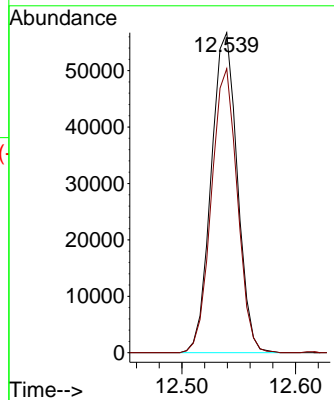
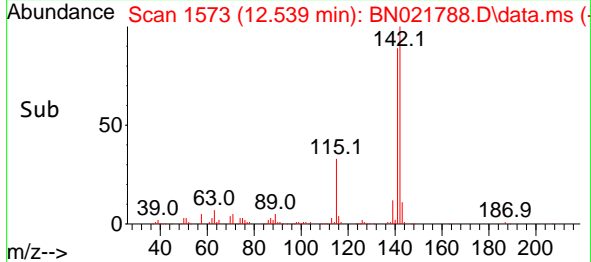


#36  
 2-Methylnaphthalene  
 Concen: 2.821 ng/ul  
 RT: 12.539 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

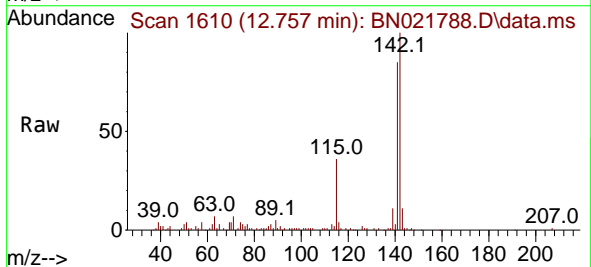
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 A5759



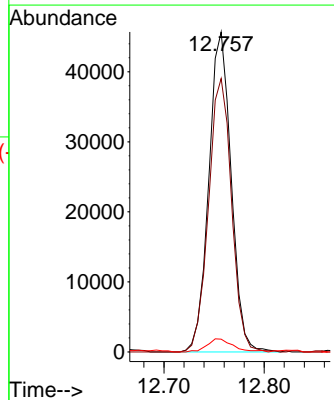
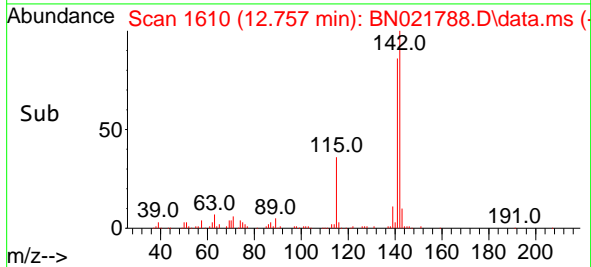
Tgt Ion:142 Resp: 90686  
 Ion Ratio Lower Upper  
 142 100  
 141 88.8 70.6 105.8

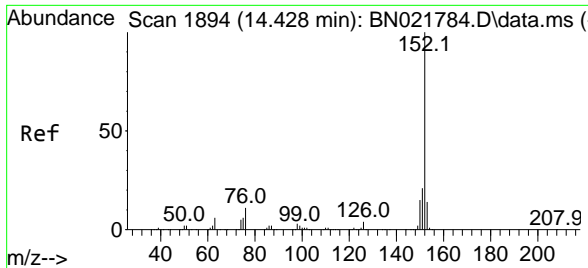


#37  
 1-Methylnaphthalene  
 Concen: 2.196 ng/ul  
 RT: 12.757 min Scan# 1610  
 Delta R.T. -0.000 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41



Tgt Ion:142 Resp: 70954  
 Ion Ratio Lower Upper  
 142 100  
 141 85.4 70.9 106.3  
 116 4.0 3.1 4.7



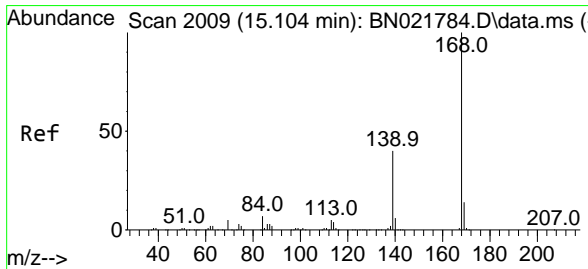
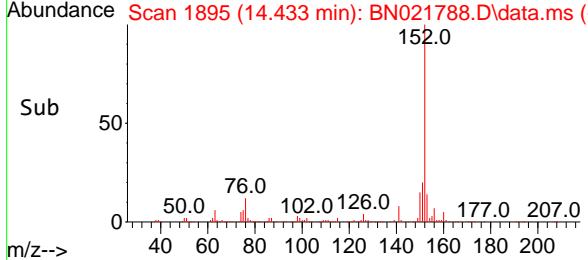
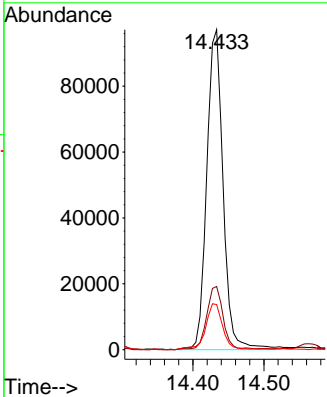
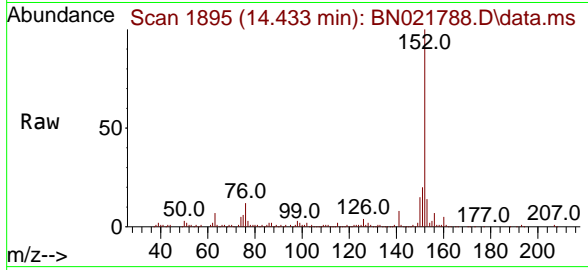


#50  
 Acenaphthylene  
 Concen: 3.206 ng/u1  
 RT: 14.433 min Scan# 1894  
 Delta R.T. 0.006 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

Instrument : BNA\_N  
 ClientSampleId : A5759

Tgt Ion:152 Resp: 155201

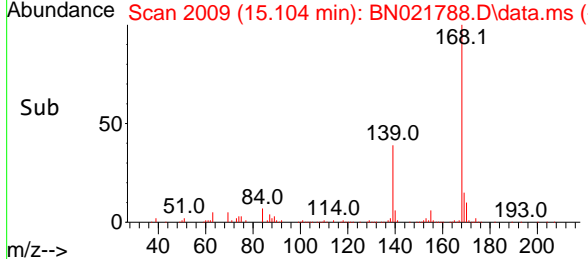
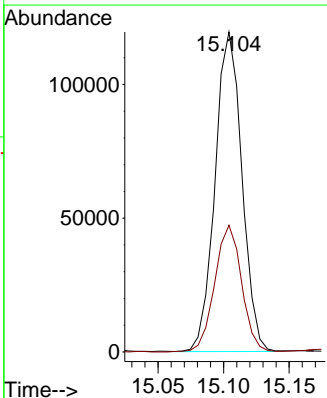
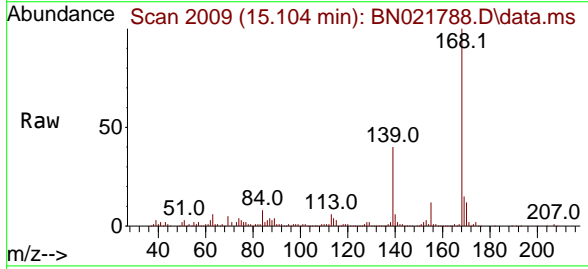
Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	14.1	10.7	16.1

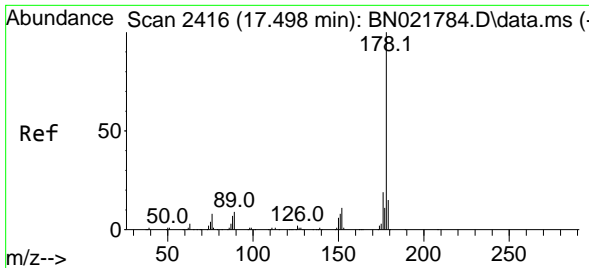


#56  
 Dibenzofuran  
 Concen: 3.779 ng/u1  
 RT: 15.104 min Scan# 2009  
 Delta R.T. -0.000 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

Tgt Ion:168 Resp: 169827

Ion	Ratio	Lower	Upper
168	100		
139	39.6	31.1	46.7



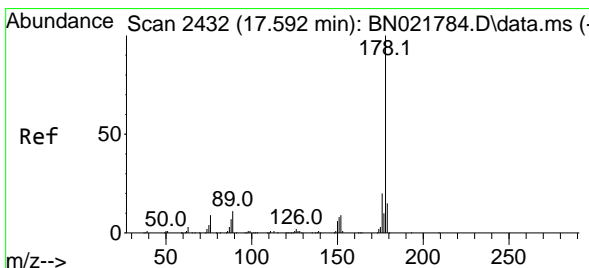
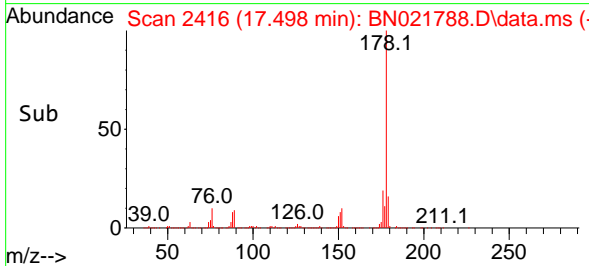
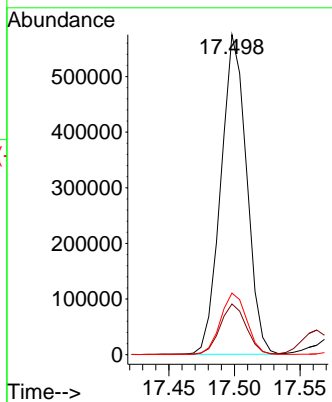
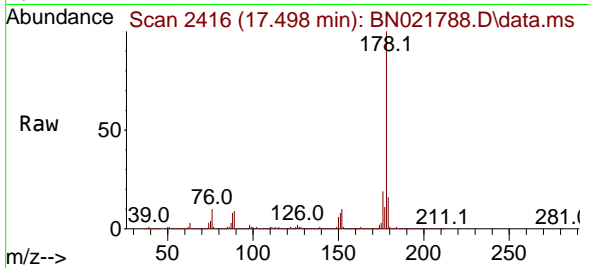


#72  
 Phenanthrene  
 Concen: 16.366 ng/u1  
 RT: 17.498 min Scan# 2416  
 Delta R.T. -0.000 min  
 Lab File: BN021788.D  
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Tgt Ion:178 Resp: 785157

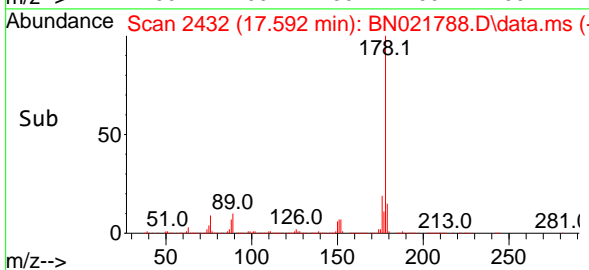
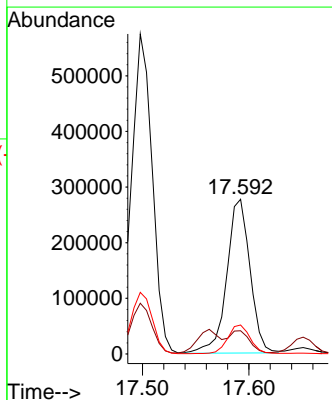
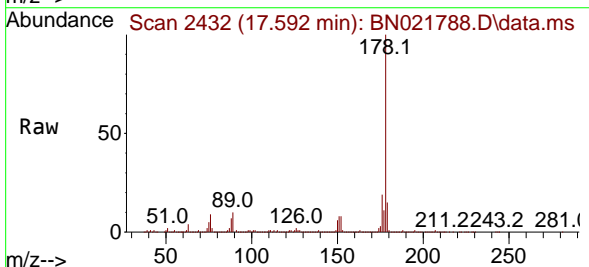
Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.2	18.4
176	19.3	15.2	22.8



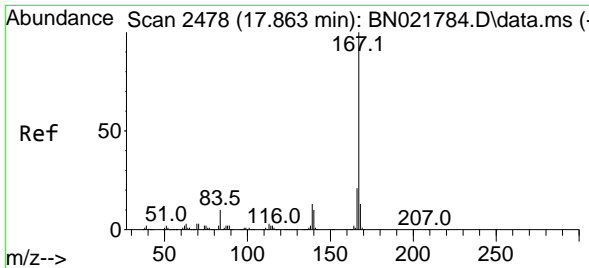
#74  
 Anthracene  
 Concen: 8.787 ng/u1  
 RT: 17.592 min Scan# 2432  
 Delta R.T. -0.000 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

Tgt Ion:178 Resp: 419745

Ion	Ratio	Lower	Upper
178	100		
179	15.0	13.0	19.4
176	18.8	15.5	23.3





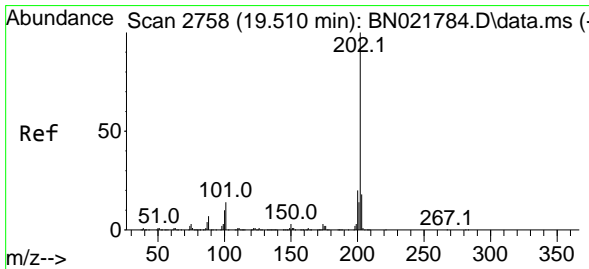
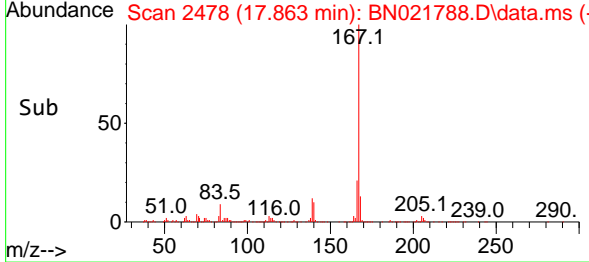
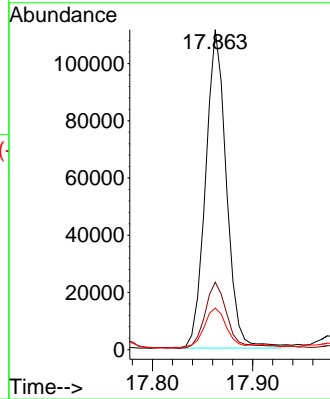
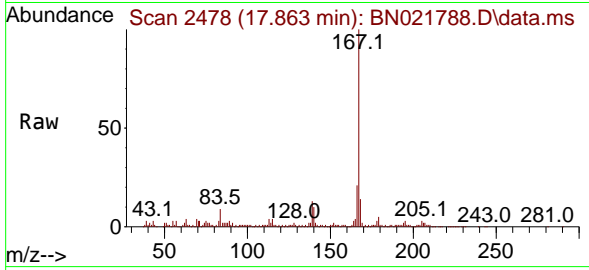


#77  
 Carbazole  
 Concen: 3.559 ng/uI  
 RT: 17.863 min Scan# 2478  
 Delta R.T. -0.000 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

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Tgt Ion:167 Resp: 160661

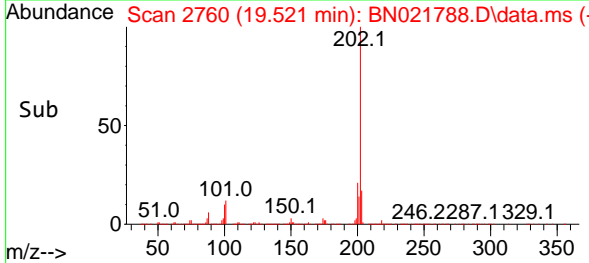
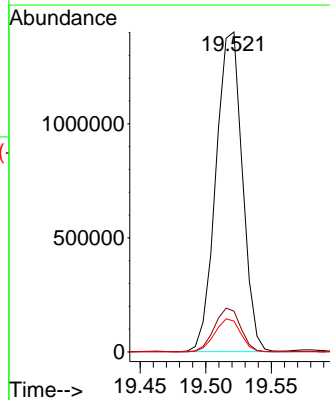
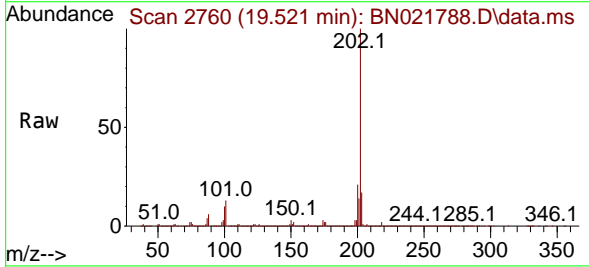
Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.1	24.1
139	13.0	10.2	15.2

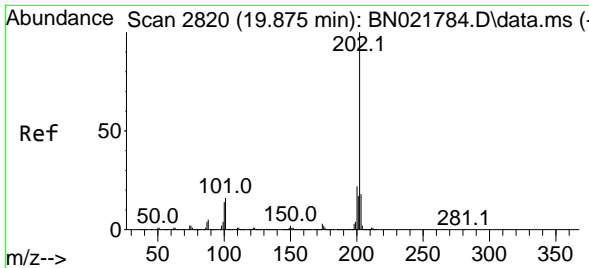


#80  
 Fluoranthene  
 Concen: 64.365 ng/uI  
 RT: 19.521 min Scan# 2760  
 Delta R.T. 0.012 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

Tgt Ion:202 Resp: 1963238

Ion	Ratio	Lower	Upper
202	100		
101	12.7	8.9	13.3
100	9.6	6.7	10.1



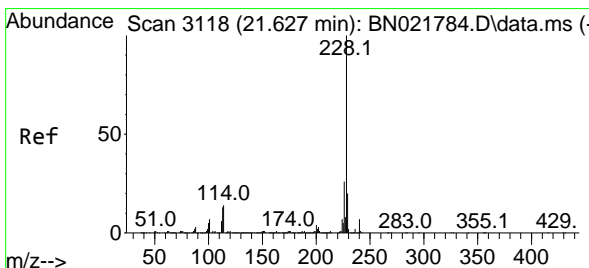
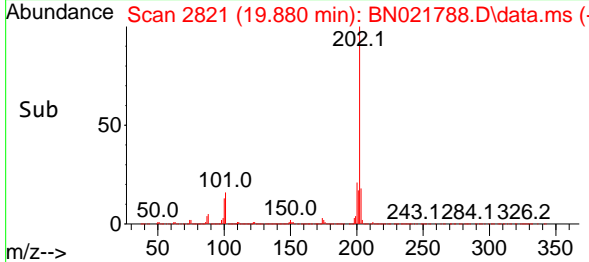
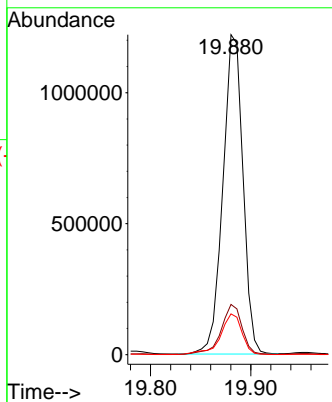
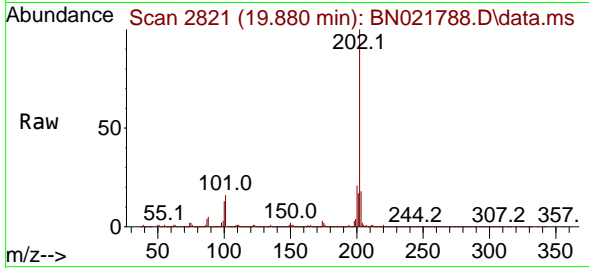


#82  
 Pyrene  
 Concen: 53.285 ng/u1  
 RT: 19.880 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A5759

Tgt Ion:202 Resp: 1693951

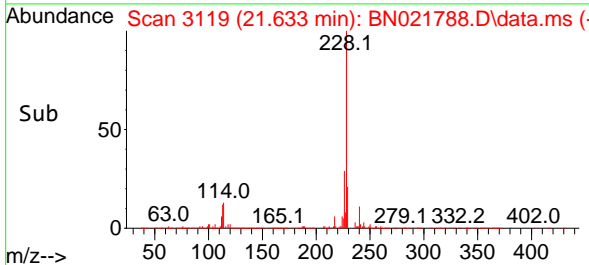
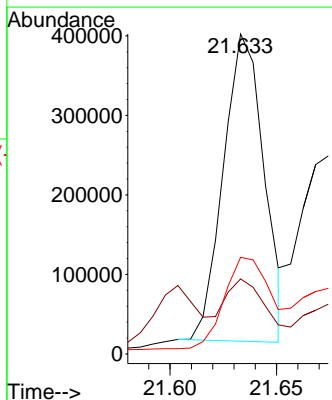
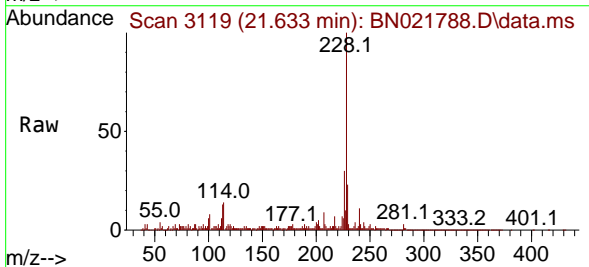
Ion	Ratio	Lower	Upper
202	100		
101	15.7	9.7	14.5#
100	12.8	8.0	12.0#

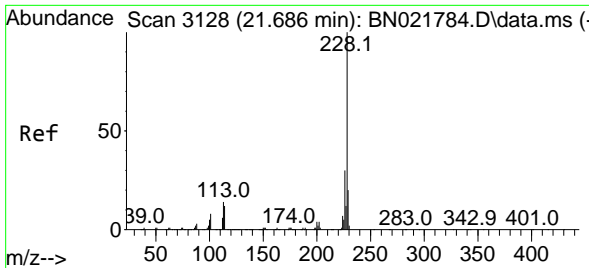


#85  
 Benzo(a)anthracene  
 Concen: 16.059 ng/u1  
 RT: 21.633 min Scan# 3119  
 Delta R.T. 0.006 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

Tgt Ion:228 Resp: 514160

Ion	Ratio	Lower	Upper
228	100		
229	23.4	16.3	24.5
226	30.2	23.2	34.8



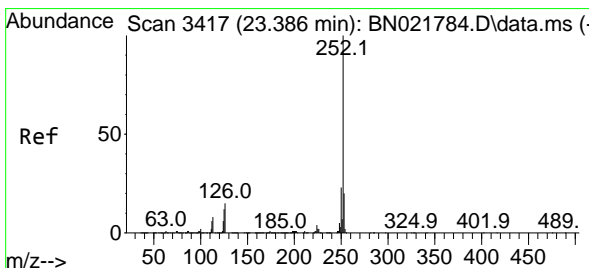
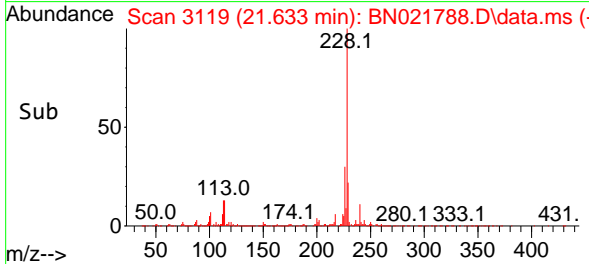
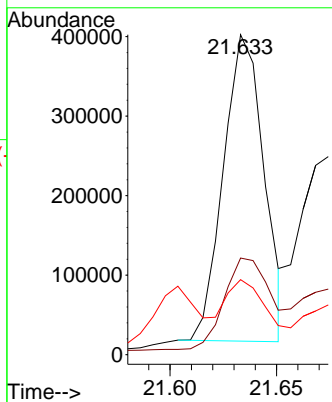
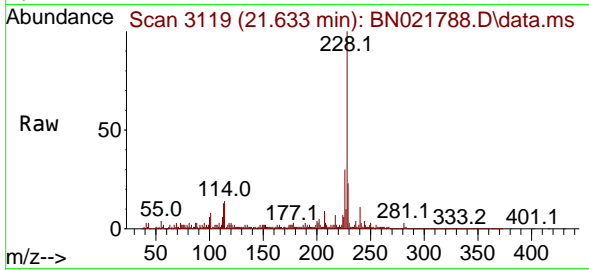


#87  
 Chrysene  
 Concen: 16.513 ng/u1  
 RT: 21.633 min Scan# 3119  
 Delta R.T. -0.053 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A5759

Tgt Ion:228 Resp: 511860

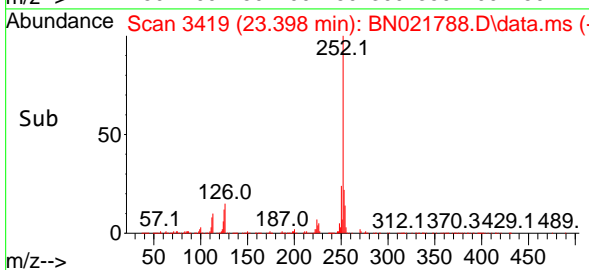
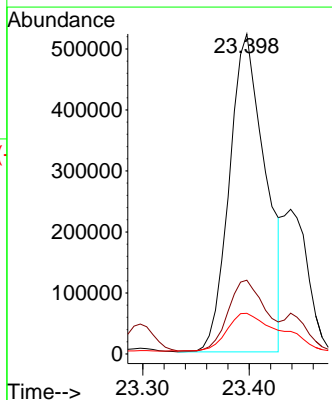
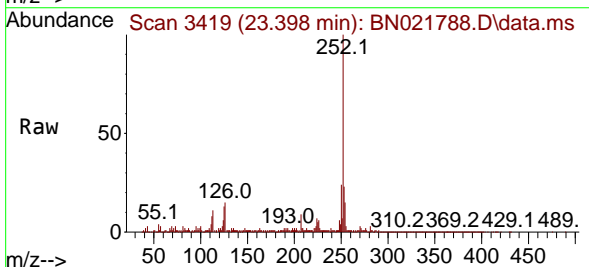
Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	23.4	16.2	24.2

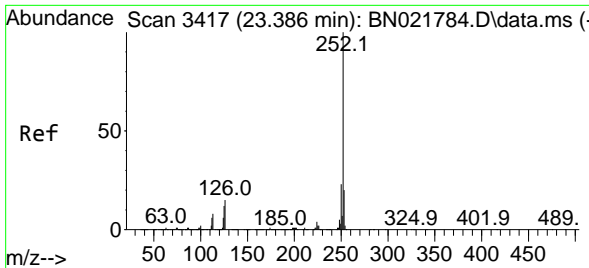


#90  
 Benzo(b)fluoranthene  
 Concen: 35.991 ng/u1  
 RT: 23.398 min Scan# 3419  
 Delta R.T. 0.012 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

Tgt Ion:252 Resp: 1224429

Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.5	24.7
125	12.7	7.8	11.8

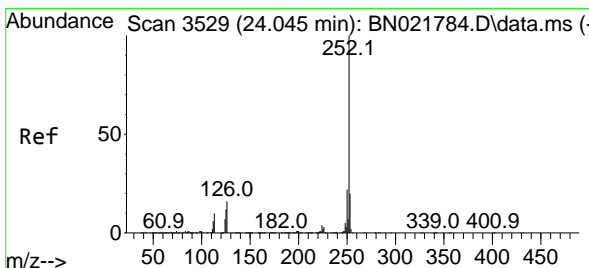
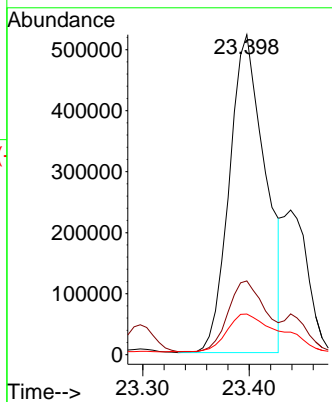
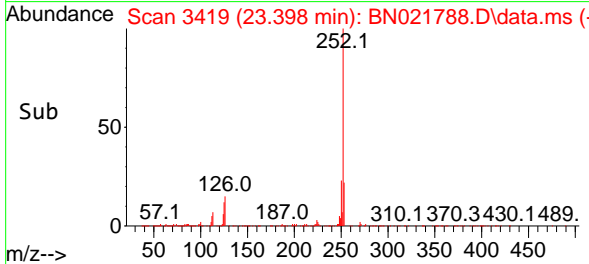
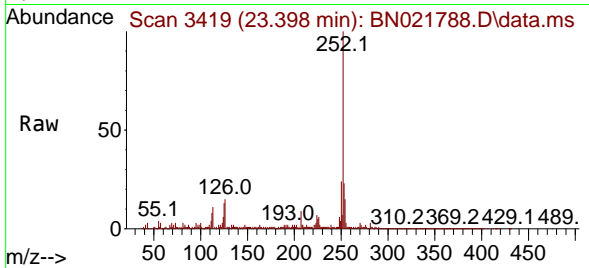




#91  
 Benzo(k)fluoranthene  
 Concen: 40.234 ng/u1  
 RT: 23.398 min Scan# 3417  
 Delta R.T. -0.035 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

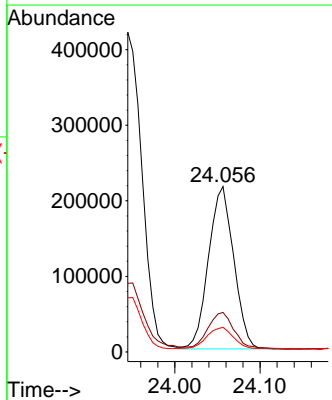
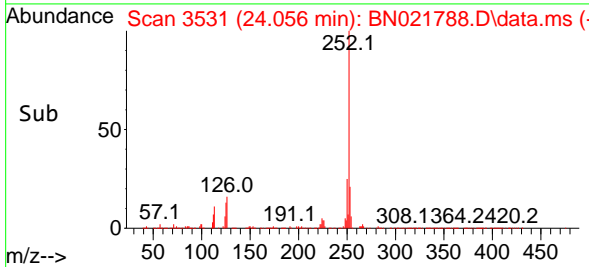
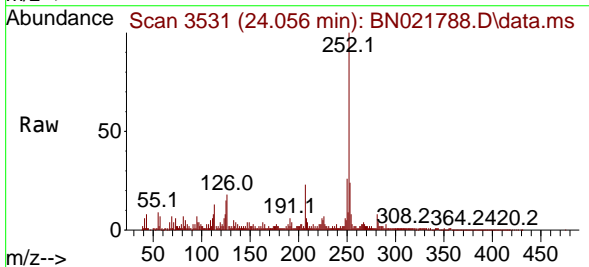
Instrument : BNA\_N  
 ClientSampleId : A5759

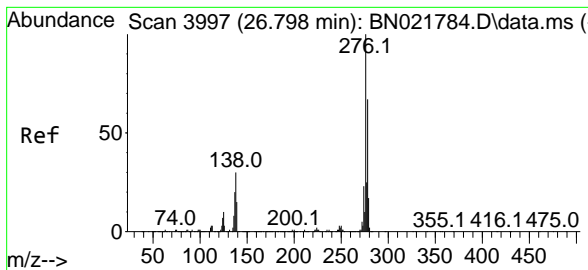
Tgt Ion:252 Resp: 1224429  
 Ion Ratio Lower Upper  
 252 100  
 253 23.0 18.2 27.4  
 125 12.7 8.2 12.4#



#93  
 Benzo(a)pyrene  
 Concen: 13.589 ng/u1  
 RT: 24.056 min Scan# 3531  
 Delta R.T. 0.012 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

Tgt Ion:252 Resp: 442328  
 Ion Ratio Lower Upper  
 252 100  
 253 23.9 18.7 28.1  
 125 14.9 9.2 13.8#



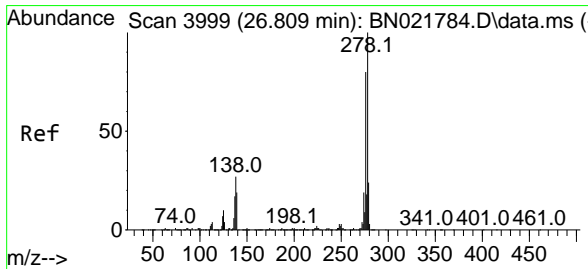
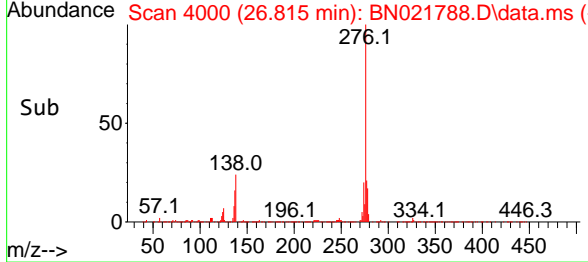
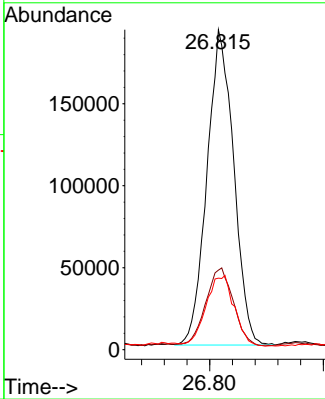
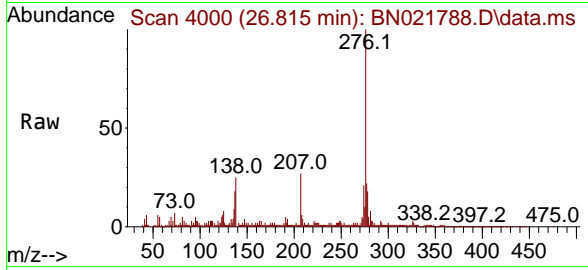


#94  
 Indeno(1,2,3-cd)pyrene  
 Concen: 15.715 ng/u1  
 RT: 26.815 min Scan# 4000  
 Delta R.T. 0.017 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A5759

Tgt Ion: 276 Resp: 627975

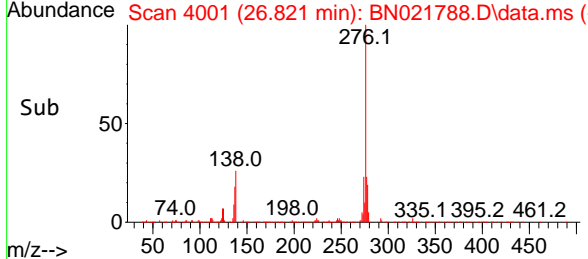
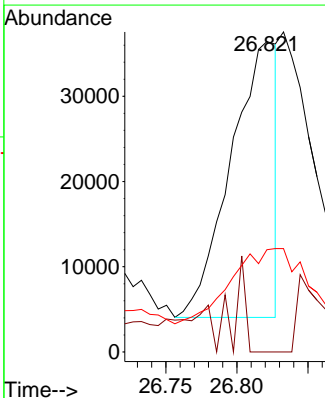
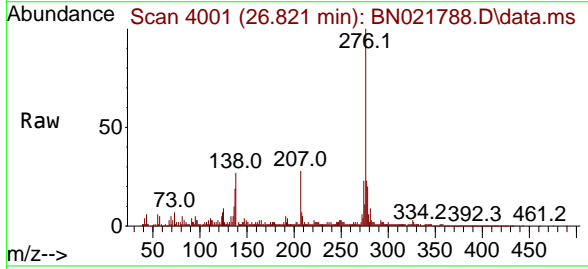
Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.5	29.3
277	22.3	21.4	32.0

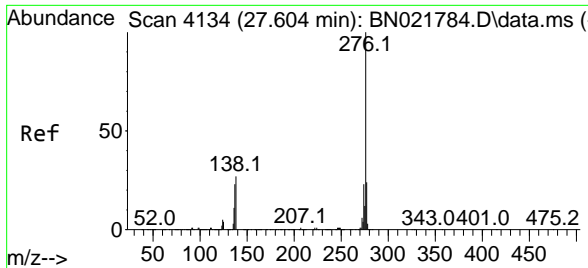


#95  
 Dibenzo(a,h)anthracene  
 Concen: 2.161 ng/u1  
 RT: 26.821 min Scan# 4001  
 Delta R.T. 0.012 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

Tgt Ion: 278 Resp: 72874

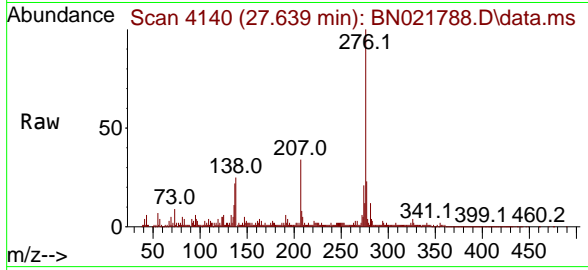
Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.8	20.8#
279	33.0	18.3	27.5#





#96  
 Benzo(g,h,i)perylene  
 Concen: 8.734 ng/ul  
 RT: 27.639 min Scan# 41  
 Delta R.T. 0.023 min  
 Lab File: BN021788.D  
 Acq: 16 Sep 2022 14:41

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A5759



Tgt Ion: 276 Resp: 304547

Ion	Ratio	Lower	Upper
276	100		
138	24.8	17.0	25.6
277	23.1	17.8	26.6

