

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110222\  
 Data File : BN022466.D  
 Acq On : 02 Nov 2022 16:23  
 Operator : CG/JU  
 Sample : N5395-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-12-103122

Quant Time: Nov 03 06:24:12 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN102722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 02 05:31:40 2022  
 Response via : Initial Calibration

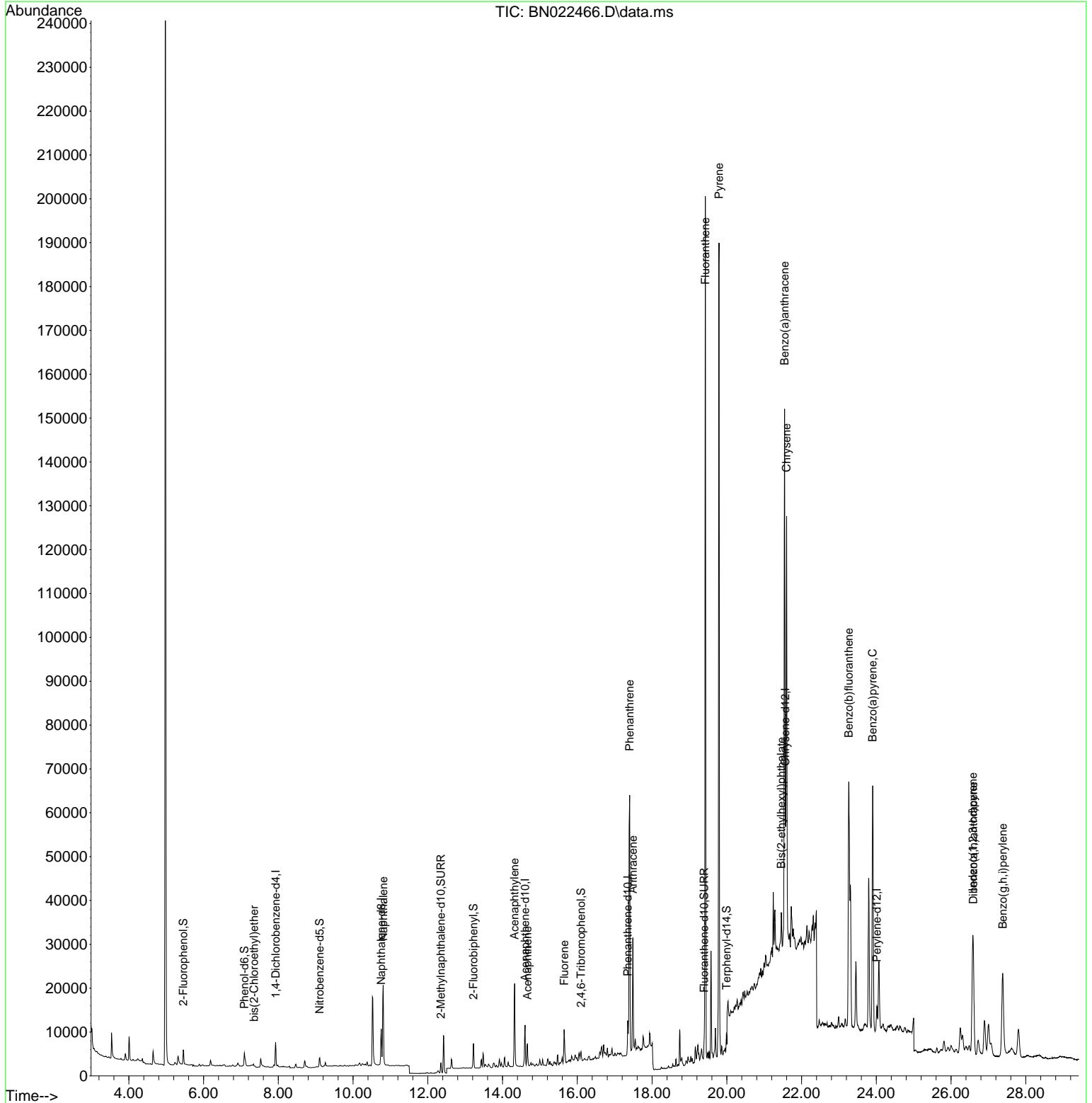
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.928	152	2741	0.400	ng	0.00	
7) Naphthalene-d8	10.752	136	10894	0.400	ng	0.00	
13) Acenaphthene-d10	14.600	164	5193	0.400	ng	0.01	
19) Phenanthrene-d10	17.350	188	9754	0.400	ng	0.00	
29) Chrysene-d12	21.564	240	8126	0.400	ng	# 0.00	
35) Perylene-d12	24.014	264	8352	0.400	ng	# 0.01	
System Monitoring Compounds							
4) 2-Fluorophenol	5.458	112	2792	0.382	ng	0.00	
5) Phenol-d6	7.090	99	3051	0.333	ng	0.00	
8) Nitrobenzene-d5	9.108	82	2014	0.214	ng	0.00	
11) 2-Methylnaphthalene-d10	12.349	152	3252	0.190	ng	0.00	
14) 2,4,6-Tribromophenol	16.096	330	615	0.276	ng	0.00	
15) 2-Fluorobiphenyl	13.221	172	4795	0.216	ng	0.00	
27) Fluoranthene-d10	19.395	212	5192	0.193	ng	0.00	
31) Terphenyl-d14	19.989	244	4666	0.220	ng	0.00	
Target Compounds							
6) bis(2-Chloroethyl)ether	7.350	93	224	0.025	ng	# 92	Qvalue
9) Naphthalene	10.806	128	24359	0.748	ng	99	
16) Acenaphthylene	14.322	152	22569	0.897	ng	99	
17) Acenaphthene	14.664	154	2839	0.166	ng	97	
18) Fluorene	15.648	166	5729	0.240	ng	# 94	
25) Phenanthrene	17.400	178	68613	2.051	ng	100	
26) Anthracene	17.487	178	26743	0.949	ng	99	
28) Fluoranthene	19.424	202	170427	4.700	ng	99	
30) Pyrene	19.791	202	160670	4.296	ng	96	
32) Benzo(a)anthracene	21.546	228	102453	3.203	ng	95	
33) Chrysene	21.600	228	90773	2.715	ng	# 94	
34) Bis(2-ethylhexyl)phtha...	21.457	149	7804	0.334	ng	# 97	
36) Indeno(1,2,3-cd)pyrene	26.584	276	46301	1.122	ng	95	
37) Benzo(b)fluoranthene	23.263	252	104417	2.731	ng	# 93	
39) Benzo(a)pyrene	23.903	252	81851	2.631	ng	95	
40) Dibenzo(a,h)anthracene	26.596	278	13268	0.412	ng	# 50	
41) Benzo(g,h,i)perylene	27.382	276	41805	1.230	ng	93	

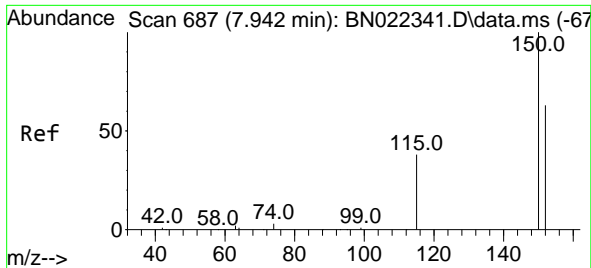
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110222\  
 Data File : BN022466.D  
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 Operator : CG/JU  
 Sample : N5395-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 S-12-103122

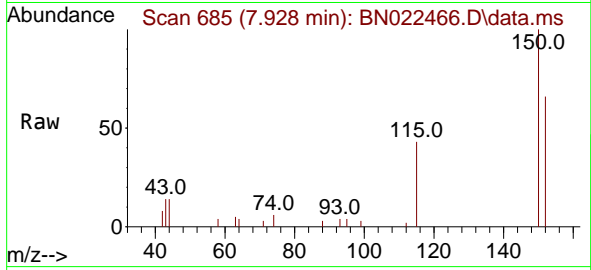
Quant Time: Nov 03 06:24:12 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN102722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 02 05:31:40 2022  
 Response via : Initial Calibration



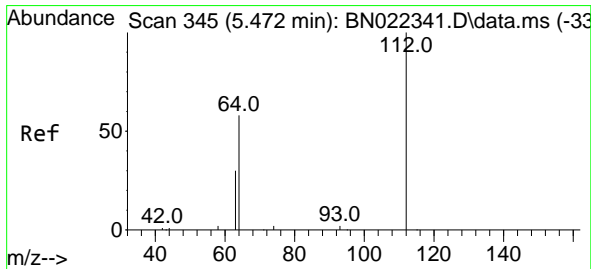
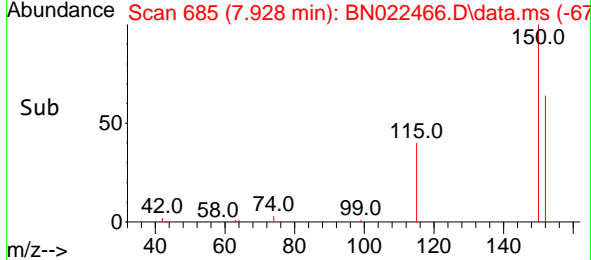
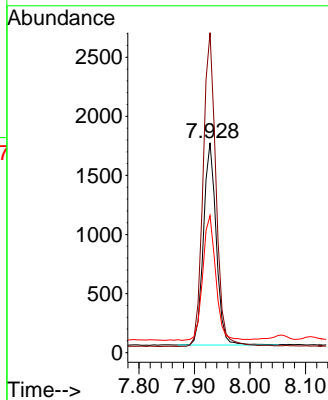


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.928 min Scan# 61  
 Delta R.T. -0.000 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-12-103122

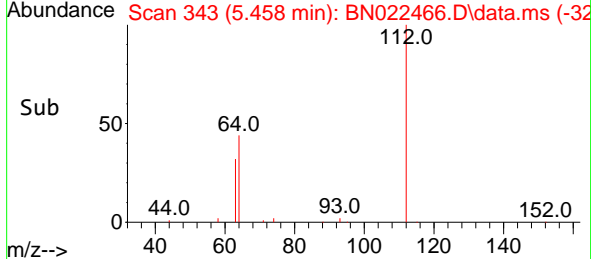
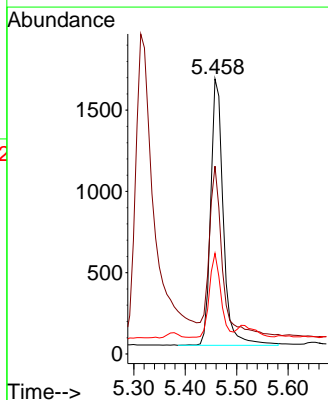
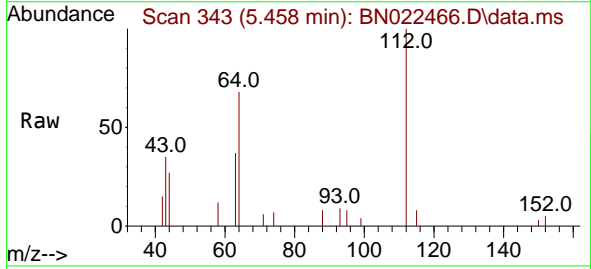


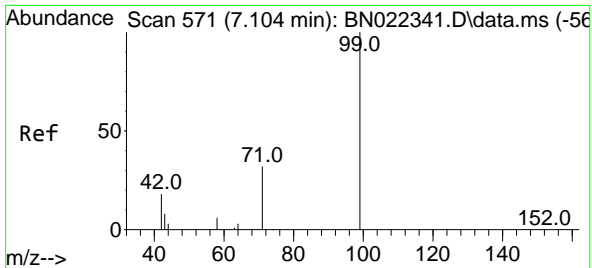
Tgt Ion:152 Resp: 2741  
 Ion Ratio Lower Upper  
 152 100  
 150 152.5 125.2 187.8  
 115 65.4 52.0 78.0



#4  
 2-Fluorophenol  
 Concen: 0.382 ng  
 RT: 5.458 min Scan# 343  
 Delta R.T. 0.000 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Tgt Ion:112 Resp: 2792  
 Ion Ratio Lower Upper  
 112 100  
 64 64.9 47.0 70.4  
 63 28.8 24.5 36.7



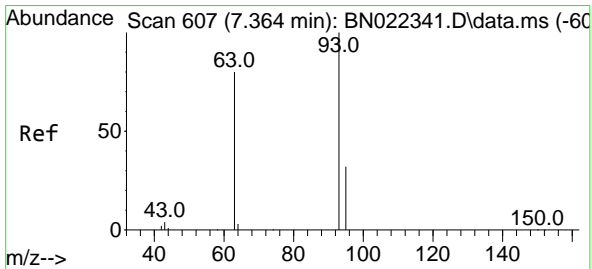
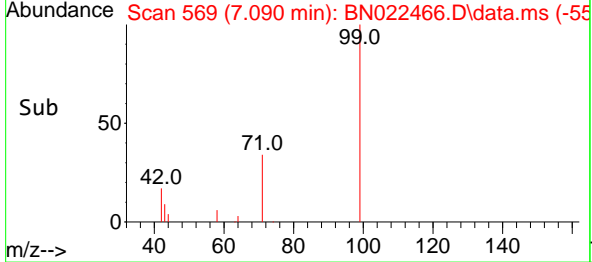
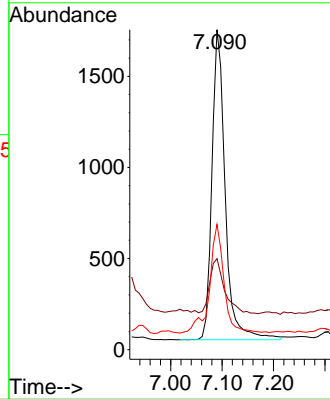
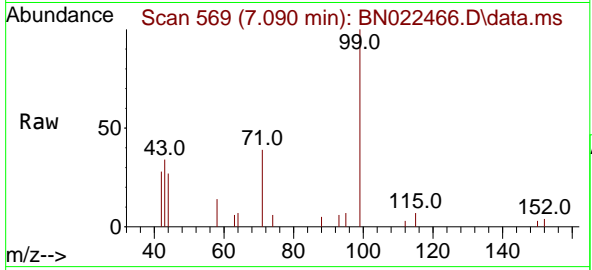


#5  
 Phenol-d6  
 Concen: 0.333 ng  
 RT: 7.090 min Scan# 501  
 Delta R.T. 0.000 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-12-103122

Tgt Ion: 99 Resp: 3051

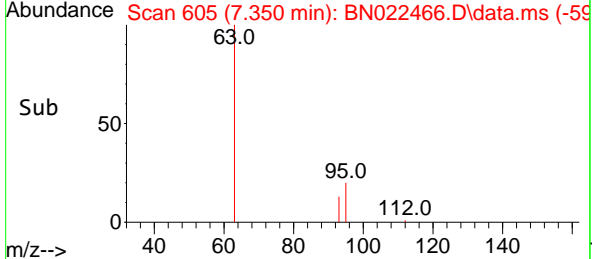
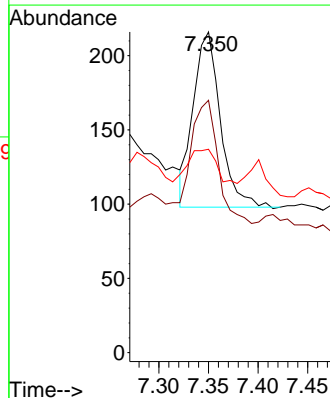
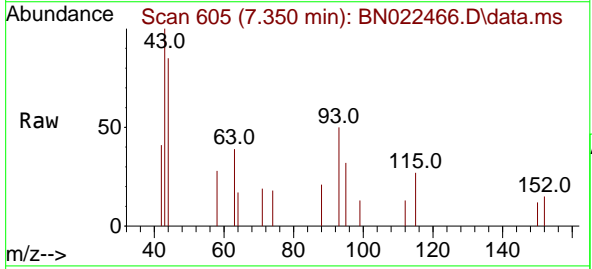
Ion	Ratio	Lower	Upper
99	100		
42	19.9	16.3	24.5
71	38.2	26.1	39.1

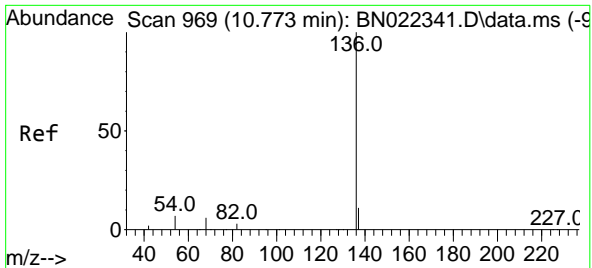


#6  
 bis(2-Chloroethyl)ether  
 Concen: 0.025 ng  
 RT: 7.350 min Scan# 605  
 Delta R.T. 0.000 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Tgt Ion: 93 Resp: 224

Ion	Ratio	Lower	Upper
93	100		
63	73.7	62.6	93.8
95	25.0	26.1	39.1



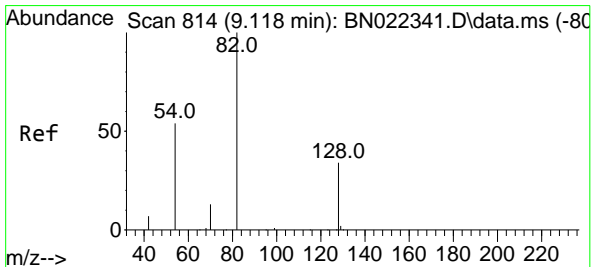
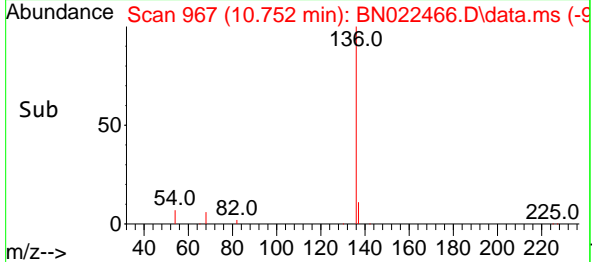
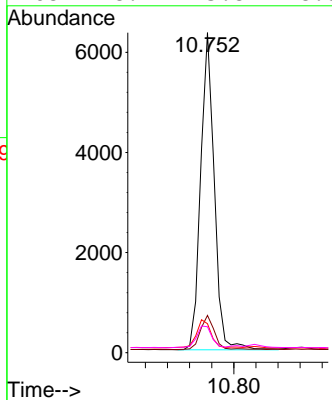
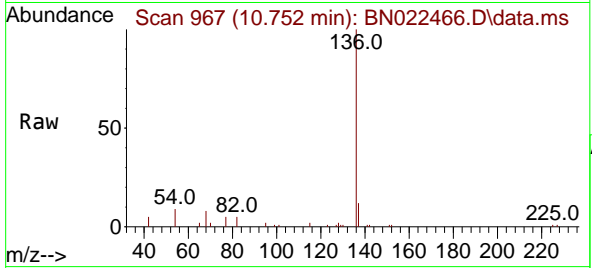


#7  
 Naphthalene-d8  
 Concen: 0.400 ng  
 RT: 10.752 min Scan# 90  
 Delta R.T. 0.000 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-12-103122

Tgt Ion: 136 Resp: 10894

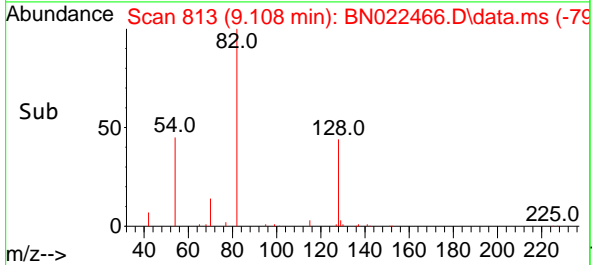
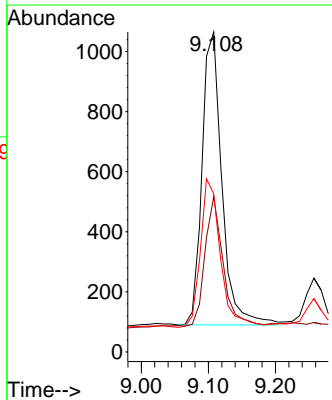
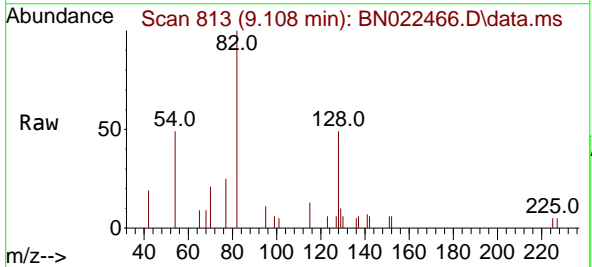
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.4	14.2
54	9.1	6.5	9.7
68	8.1	5.8	8.8

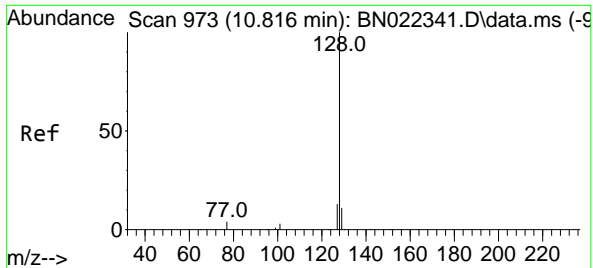


#8  
 Nitrobenzene-d5  
 Concen: 0.214 ng  
 RT: 9.108 min Scan# 813  
 Delta R.T. 0.000 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Tgt Ion: 82 Resp: 2014

Ion	Ratio	Lower	Upper
82	100		
128	48.5	30.5	45.7#
54	49.4	45.2	67.8



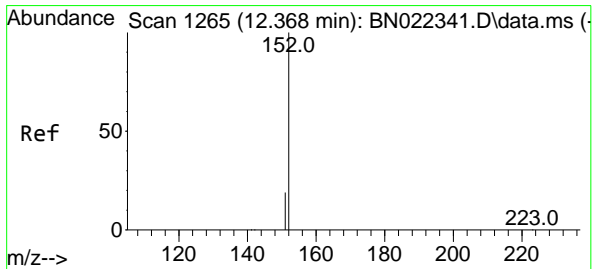
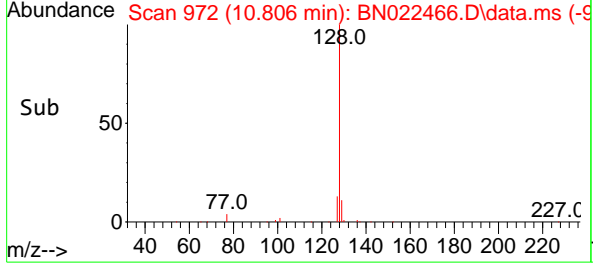
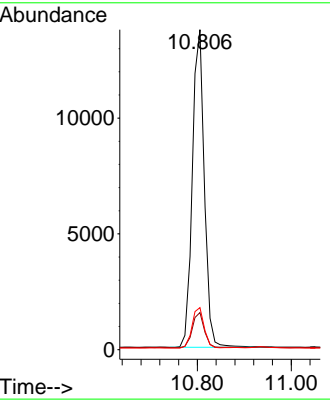
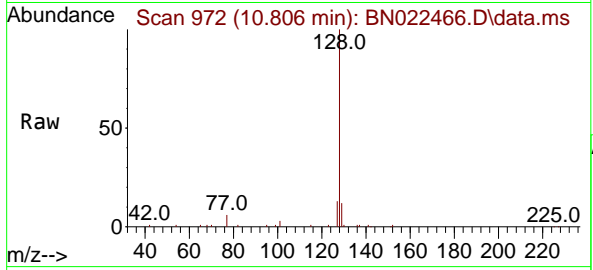


#9  
 Naphthalene  
 Concen: 0.748 ng  
 RT: 10.806 min Scan# 91  
 Delta R.T. 0.011 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Instrument : BNA\_N  
 ClientSampleId : S-12-103122

Tgt Ion:128 Resp: 24359

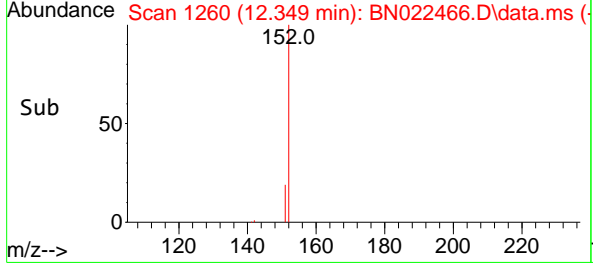
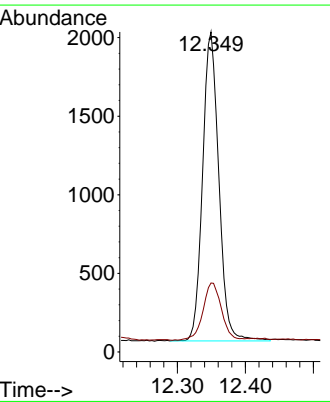
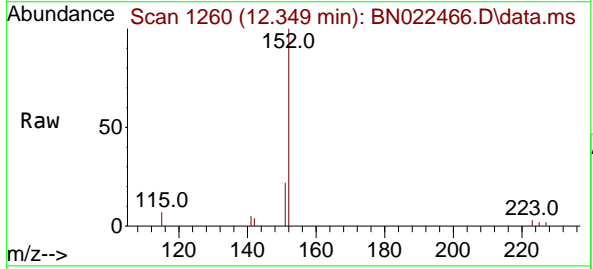
Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.4	14.2
127	13.2	11.0	16.6

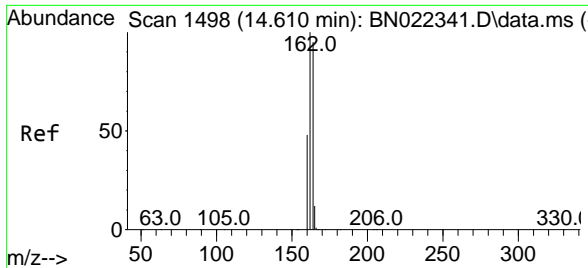


#11  
 2-Methylnaphthalene-d10  
 Concen: 0.190 ng  
 RT: 12.349 min Scan# 1260  
 Delta R.T. 0.000 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Tgt Ion:152 Resp: 3252

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.7	25.1



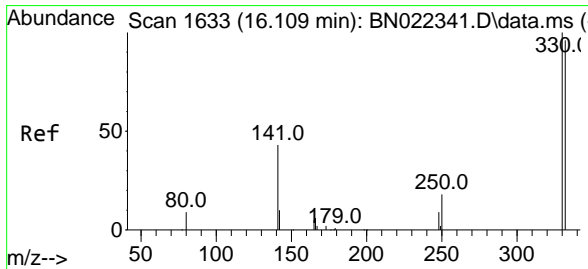
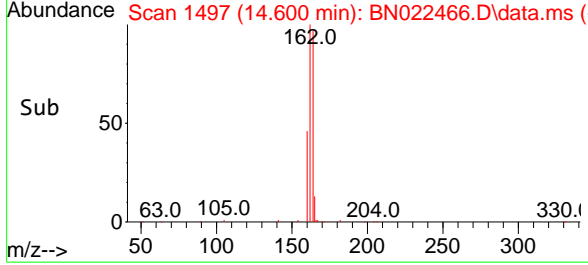
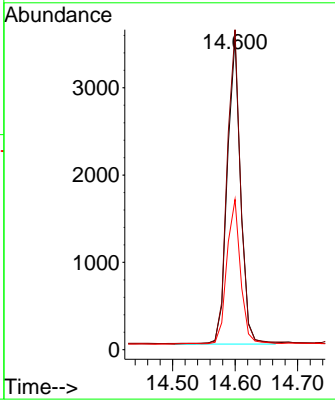
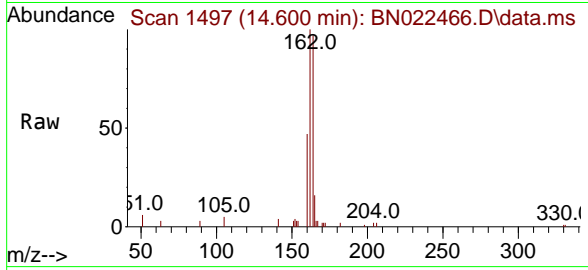


#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.600 min Scan# 14  
 Delta R.T. 0.011 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Instrument : BNA\_N  
 ClientSampleId : S-12-103122

Tgt Ion:164 Resp: 5193

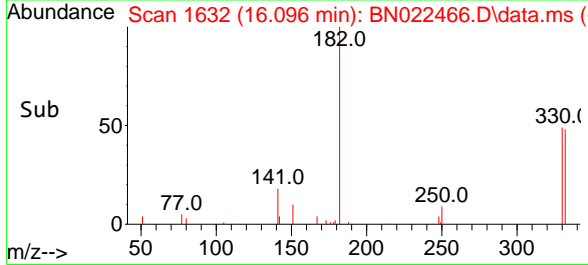
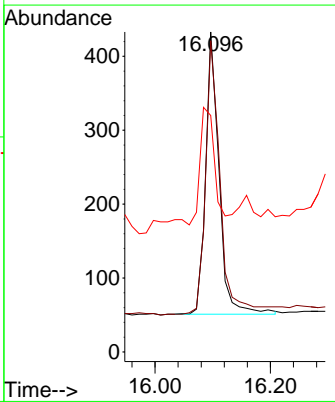
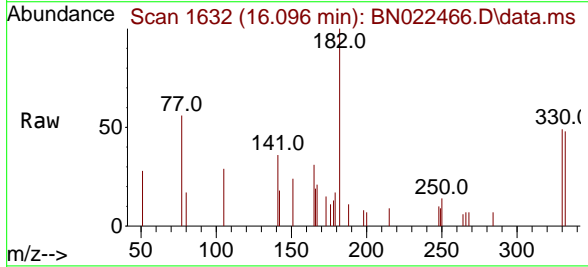
Ion	Ratio	Lower	Upper
164	100		
162	102.8	83.9	125.9
160	48.3	41.0	61.4

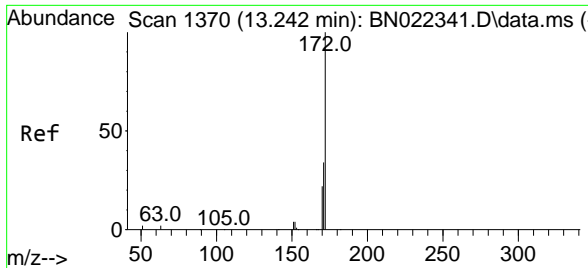


#14  
 2,4,6-Tribromophenol  
 Concen: 0.276 ng  
 RT: 16.096 min Scan# 1632  
 Delta R.T. 0.000 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Tgt Ion:330 Resp: 615

Ion	Ratio	Lower	Upper
330	100		
332	104.2	78.6	118.0
141	44.4	40.2	60.4



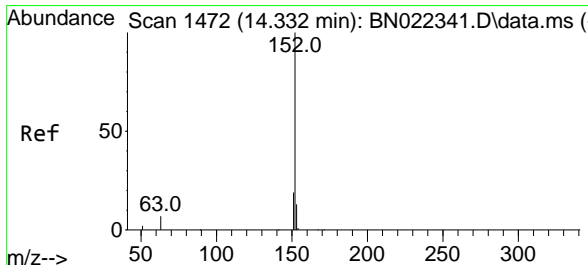
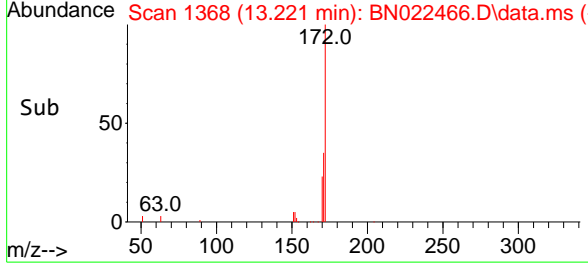
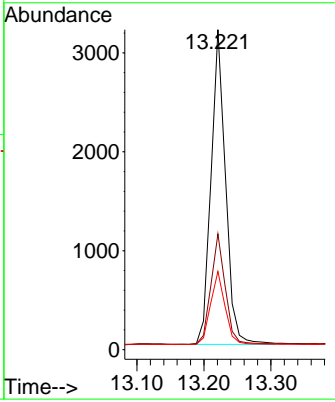
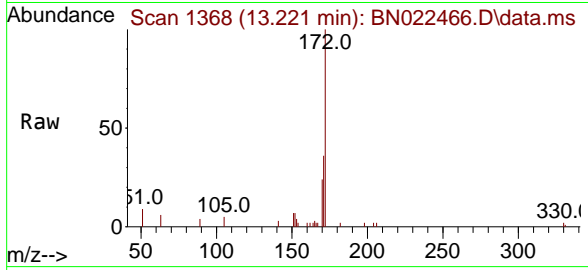


#15  
 2-Fluorobiphenyl  
 Concen: 0.216 ng  
 RT: 13.221 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Instrument : BNA\_N  
 ClientSampleId : S-12-103122

Tgt Ion:172 Resp: 4795

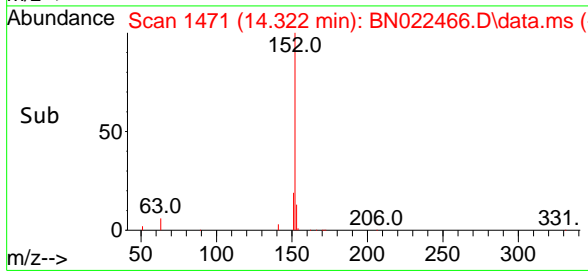
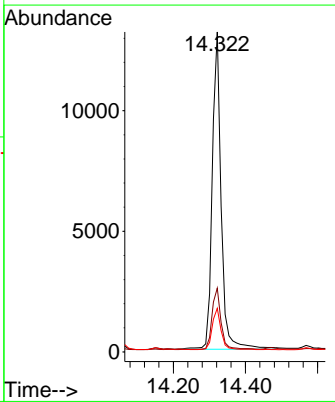
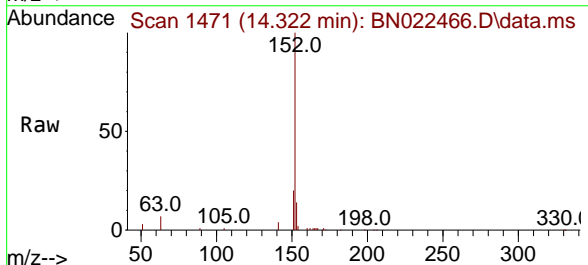
Ion	Ratio	Lower	Upper
172	100		
171	36.2	27.4	41.0
170	24.5	18.5	27.7



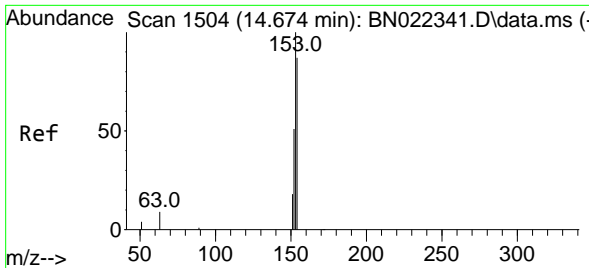
#16  
 Acenaphthylene  
 Concen: 0.897 ng  
 RT: 14.322 min Scan# 1471  
 Delta R.T. 0.011 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Tgt Ion:152 Resp: 22569

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.2	22.8
153	12.8	10.3	15.5

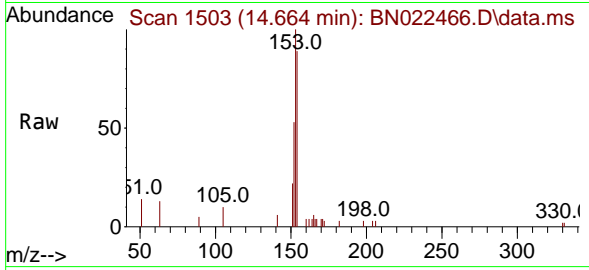






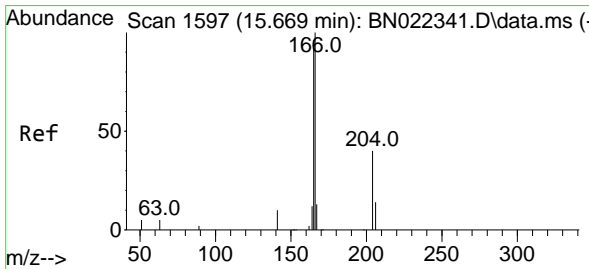
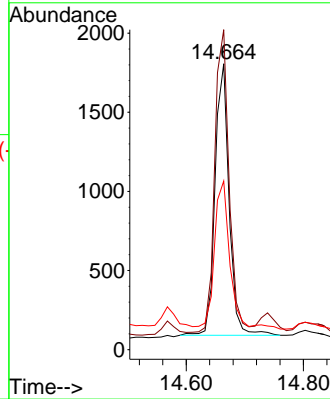
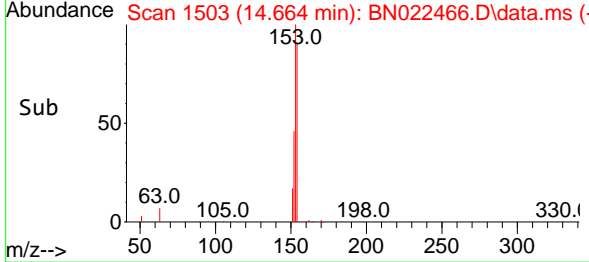
#17  
 Acenaphthene  
 Concen: 0.166 ng  
 RT: 14.664 min Scan# 1503  
 Delta R.T. 0.011 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Instrument : BNA\_N  
 ClientSampleId : S-12-103122

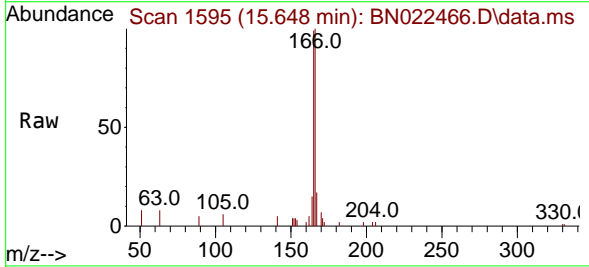


Tgt Ion:154 Resp: 2839

Ion	Ratio	Lower	Upper
154	100		
153	113.5	92.2	138.2
152	56.0	47.6	71.4

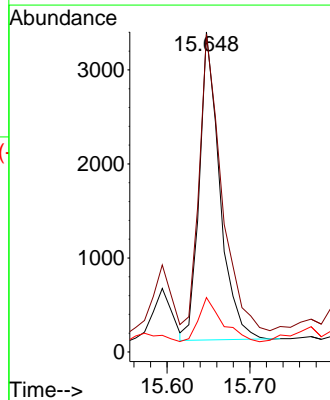
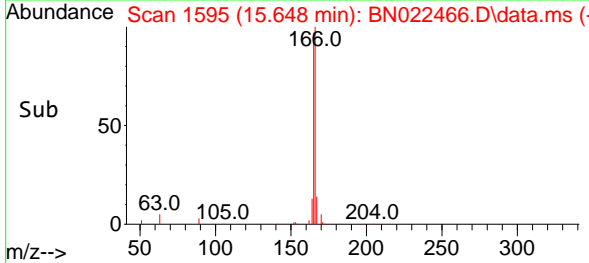


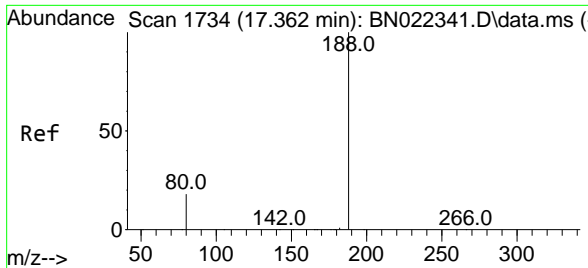
#18  
 Fluorene  
 Concen: 0.240 ng  
 RT: 15.648 min Scan# 1595  
 Delta R.T. 0.000 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23



Tgt Ion:166 Resp: 5729

Ion	Ratio	Lower	Upper
166	100		
165	103.9	78.6	118.0
167	16.2	10.2	15.4

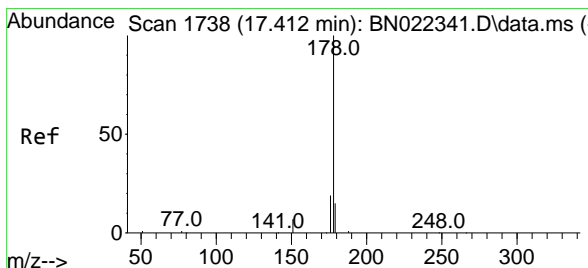
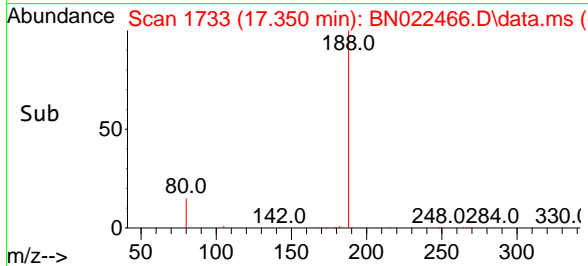
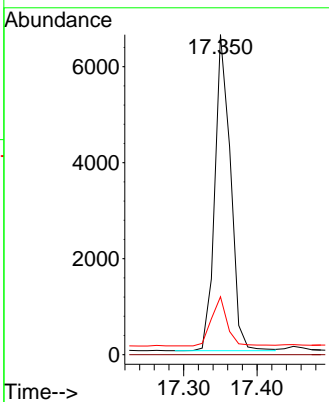
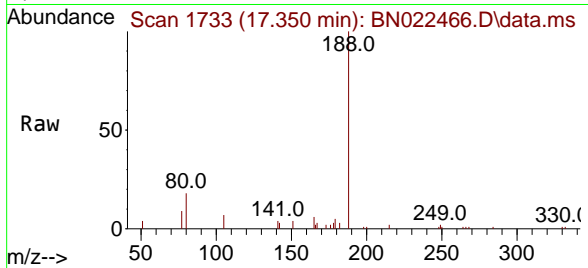




#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.350 min Scan# 1733  
 Delta R.T. 0.000 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

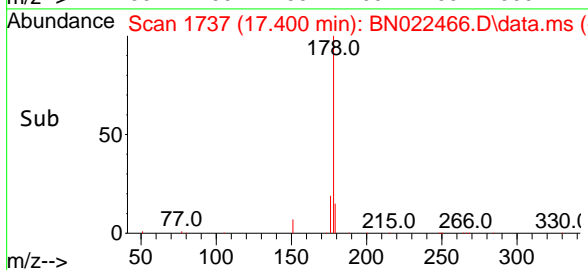
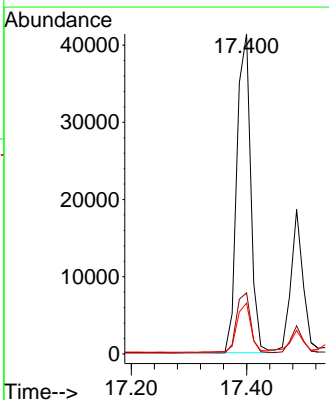
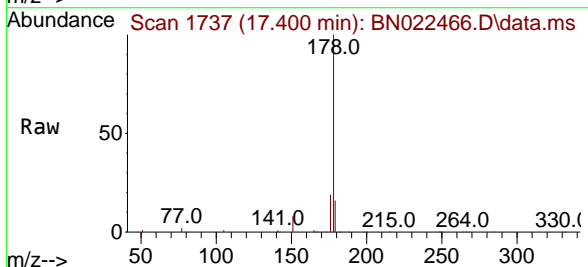
Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-12-103122

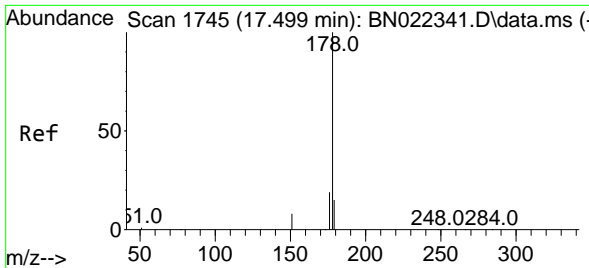
Tgt Ion	Resp	Lower	Upper
188	9754	100	
94	0.0	0.0	0.0
80	18.1	15.0	22.6



#25  
 Phenanthrene  
 Concen: 2.051 ng  
 RT: 17.400 min Scan# 1737  
 Delta R.T. 0.012 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Tgt Ion	Resp	Lower	Upper
178	68613	100	
176	19.2	15.3	22.9
179	15.9	12.5	18.7

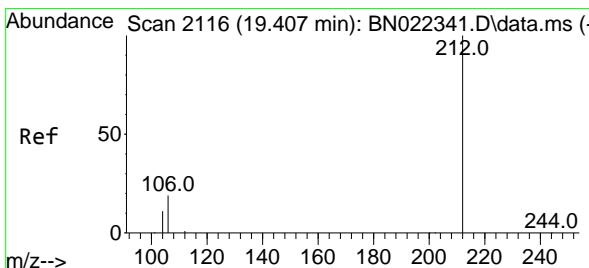
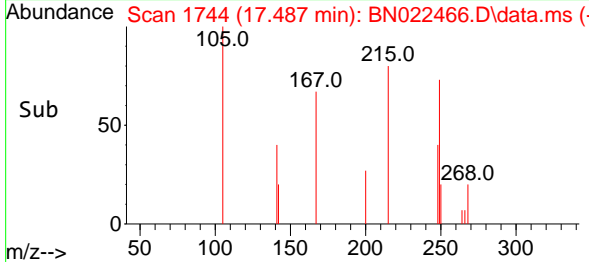
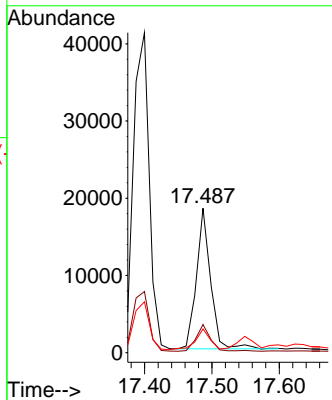
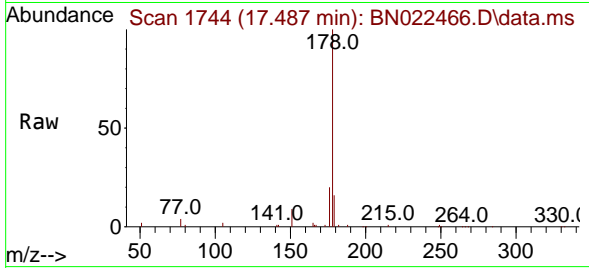




#26  
 Anthracene  
 Concen: 0.949 ng  
 RT: 17.487 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

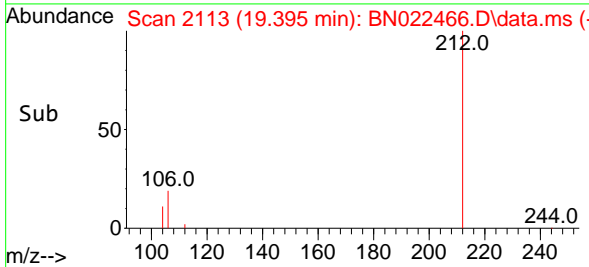
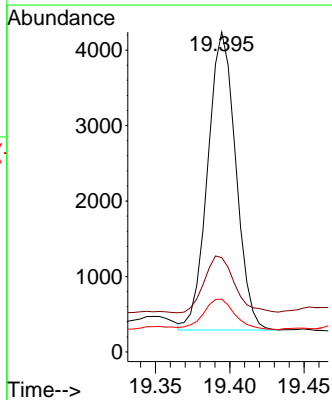
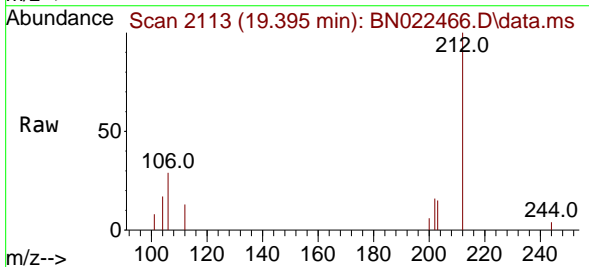
Instrument : BNA\_N  
 ClientSampleId : S-12-103122

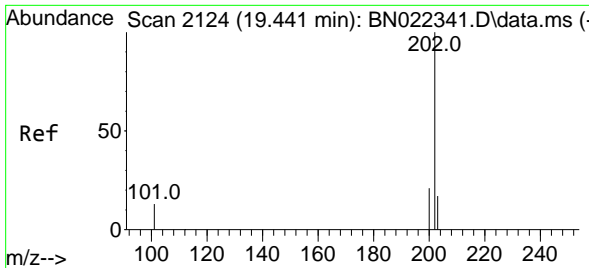
Tgt Ion	Resp	Lower	Upper
178	26743		
176	18.9	15.0	22.4
179	14.4	12.2	18.4



#27  
 Fluoranthene-d10  
 Concen: 0.193 ng  
 RT: 19.395 min Scan# 2113  
 Delta R.T. 0.004 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Tgt Ion	Resp	Lower	Upper
212	5192		
106	20.5	15.0	22.4
104	11.7	9.3	13.9



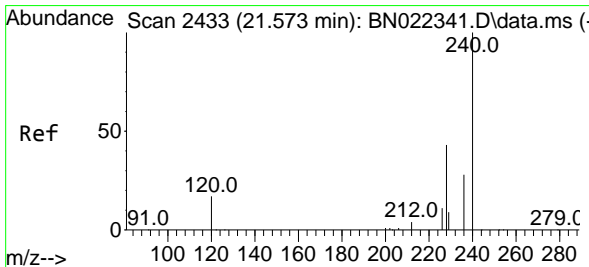
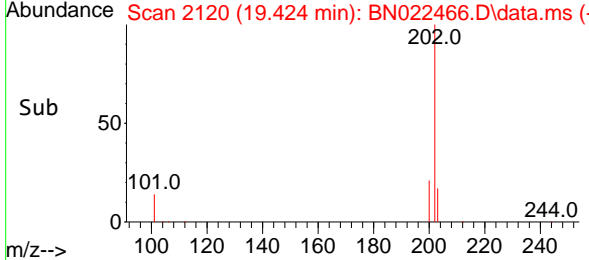
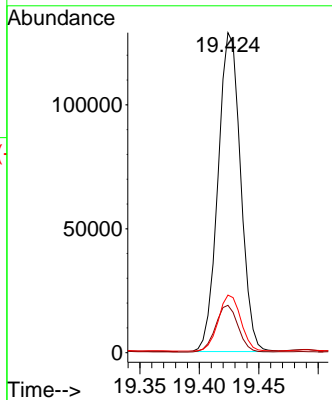
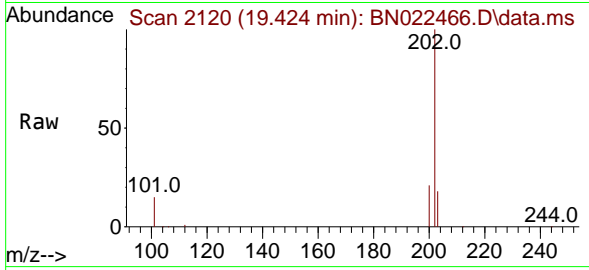


#28  
 Fluoranthene  
 Concen: 4.700 ng  
 RT: 19.424 min Scan# 2120  
 Delta R.T. 0.004 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Instrument : BNA\_N  
 ClientSampleId : S-12-103122

Tgt Ion:202 Resp: 170427

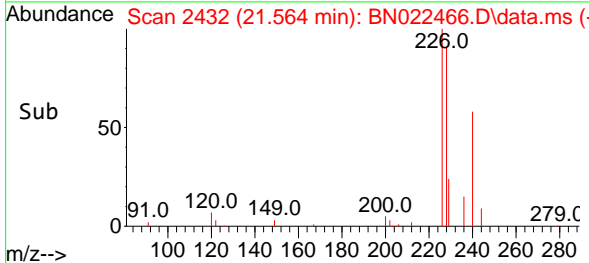
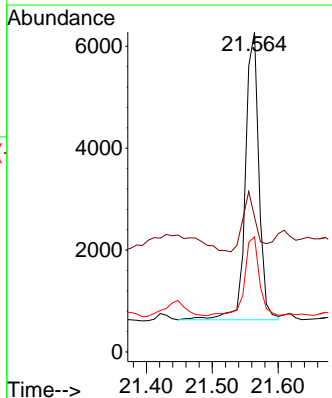
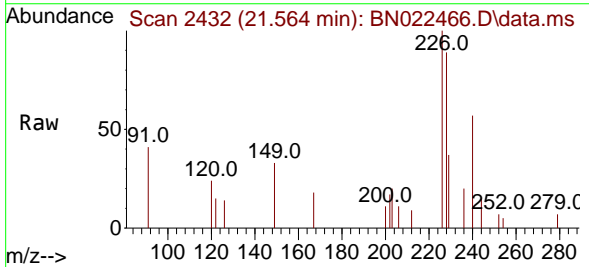
Ion	Ratio	Lower	Upper
202	100		
101	14.5	11.4	17.0
203	17.5	13.7	20.5

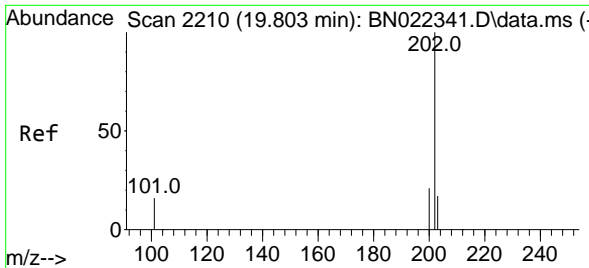


#29  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.564 min Scan# 2432  
 Delta R.T. 0.009 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Tgt Ion:240 Resp: 8126

Ion	Ratio	Lower	Upper
240	100		
120	42.2	15.8	23.6#
236	36.0	23.2	34.8#



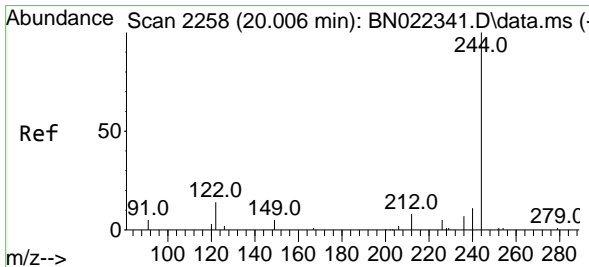
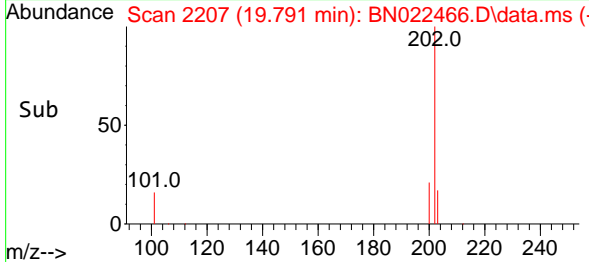
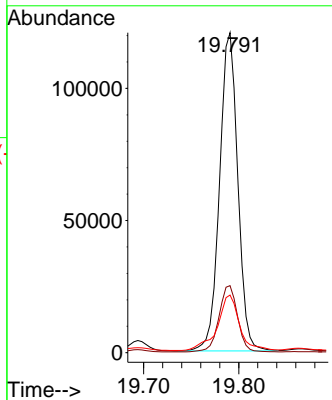
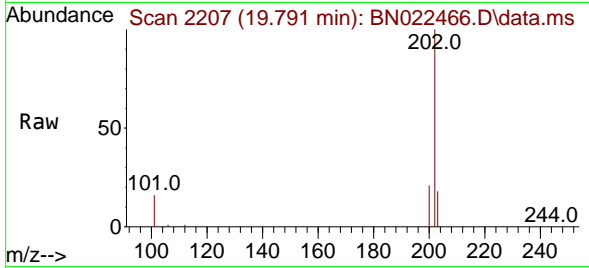


#30  
 Pyrene  
 Concen: 4.296 ng  
 RT: 19.791 min Scan# 21  
 Delta R.T. 0.004 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-12-103122

Tgt Ion:202 Resp: 160670

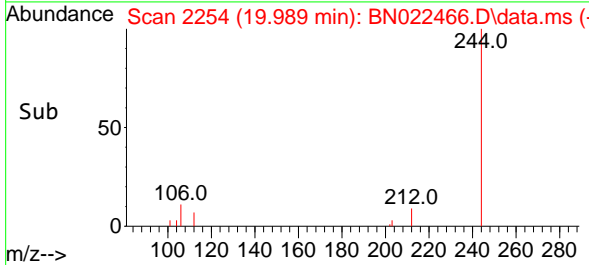
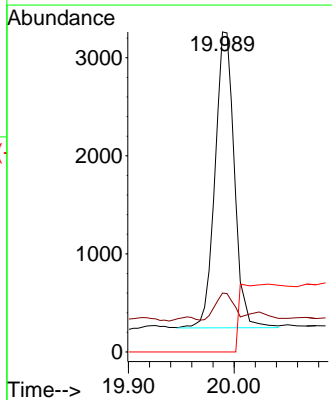
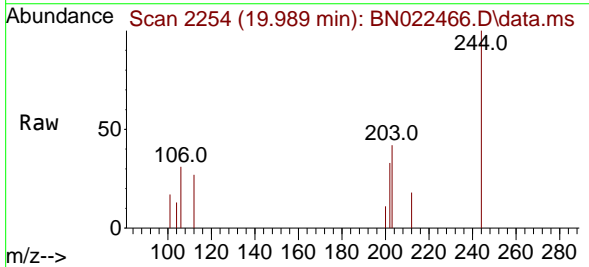
Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	21.0	14.2	21.2

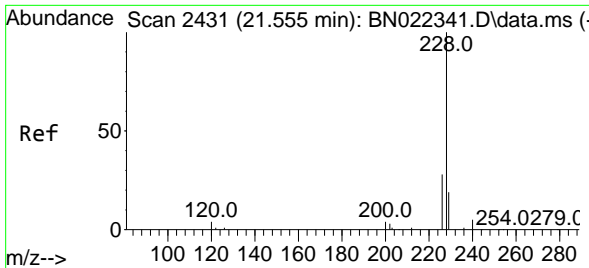


#31  
 Terphenyl-d14  
 Concen: 0.220 ng  
 RT: 19.989 min Scan# 2254  
 Delta R.T. 0.004 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Tgt Ion:244 Resp: 4666

Ion	Ratio	Lower	Upper
244	100		
212	18.4	7.0	10.4#
122	0.0	11.5	17.3#



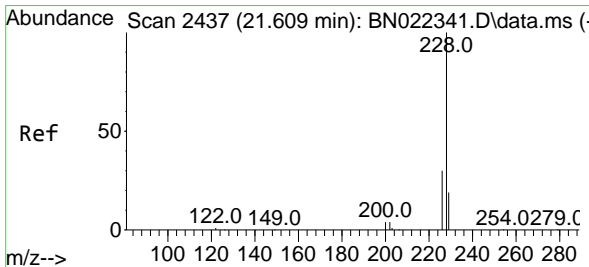
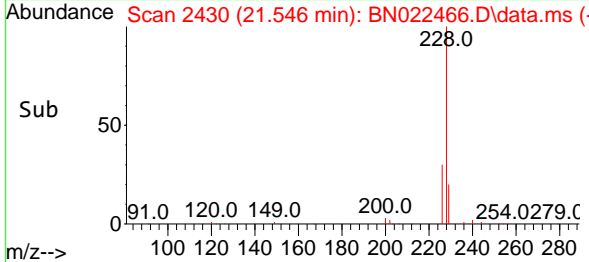
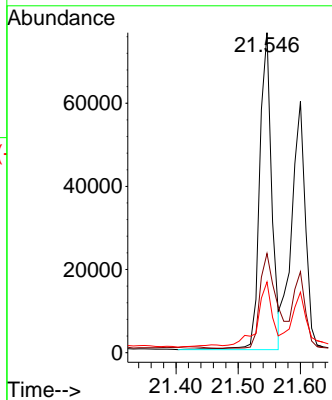
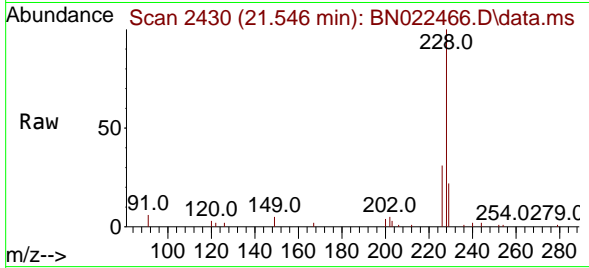


#32  
 Benzo(a)anthracene  
 Concen: 3.203 ng  
 RT: 21.546 min Scan# 2430  
 Delta R.T. 0.009 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-12-103122

Tgt Ion:228 Resp: 102453

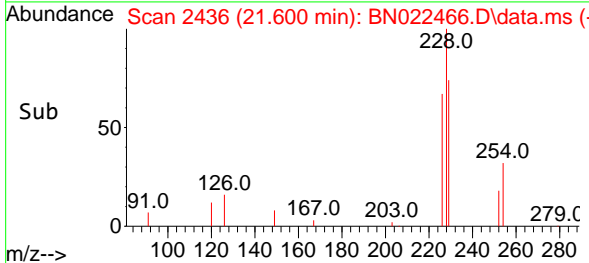
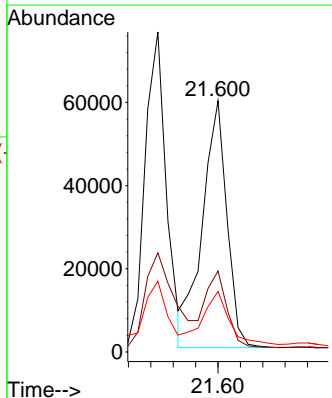
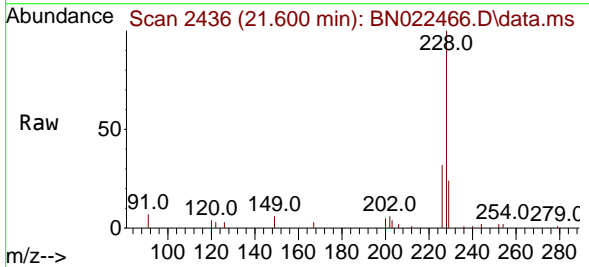
Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.6	34.0
229	22.1	15.5	23.3

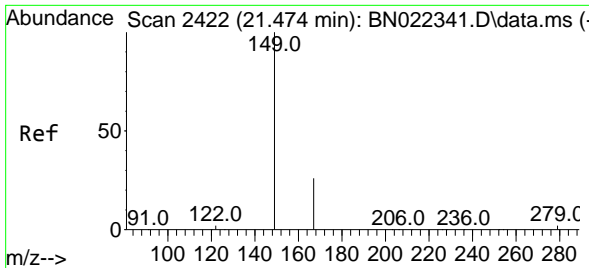


#33  
 Chrysene  
 Concen: 2.715 ng  
 RT: 21.600 min Scan# 2436  
 Delta R.T. 0.009 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Tgt Ion:228 Resp: 90773

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.5	36.7
229	24.1	15.6	23.4



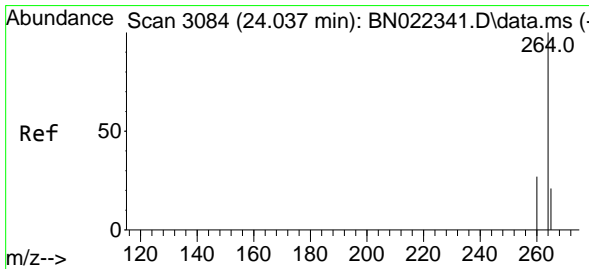
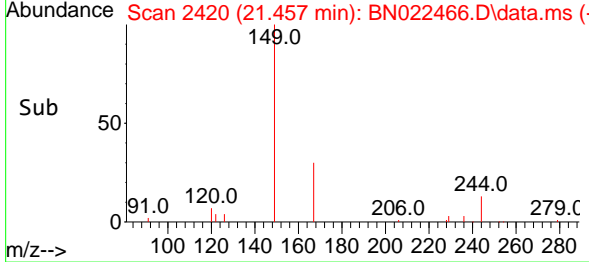
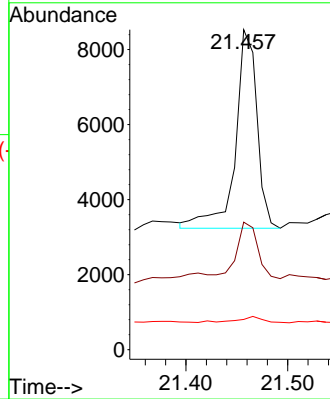
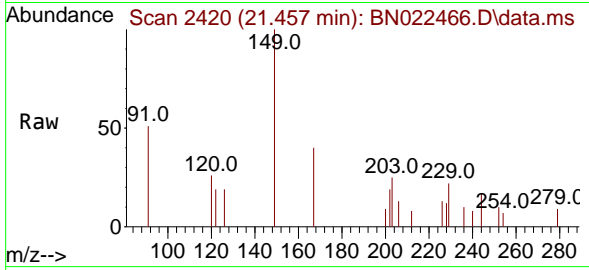


#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.334 ng  
 RT: 21.457 min Scan# 2420  
 Delta R.T. 0.009 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Instrument : BNA\_N  
 ClientSampleId : S-12-103122

Tgt Ion:149 Resp: 7804

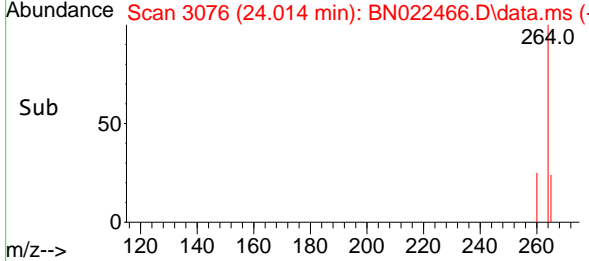
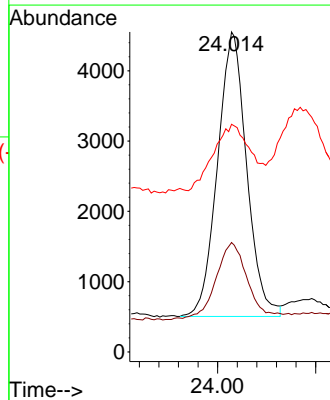
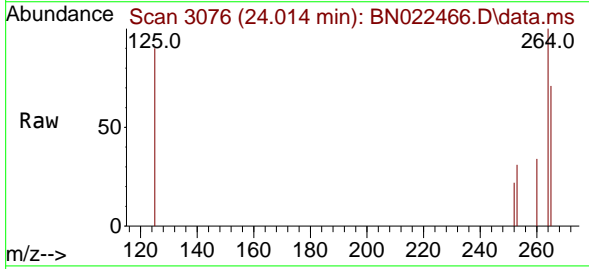
Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.2	30.4
279	3.8	2.3	3.5

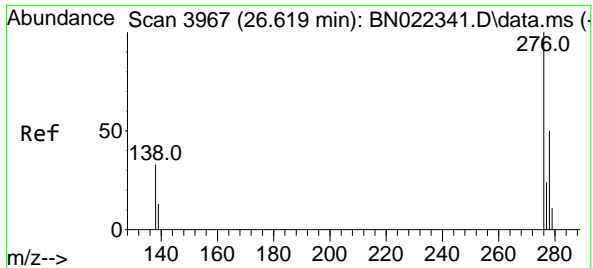


#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.014 min Scan# 3076  
 Delta R.T. 0.012 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Tgt Ion:264 Resp: 8352

Ion	Ratio	Lower	Upper
264	100		
260	34.2	22.1	33.1
265	71.2	53.0	79.4



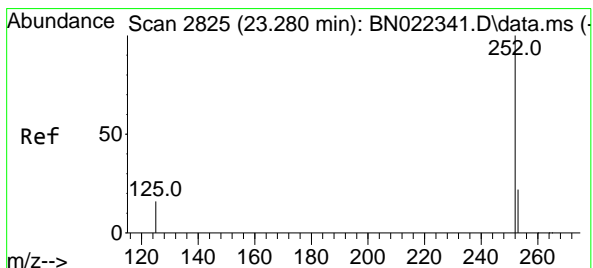
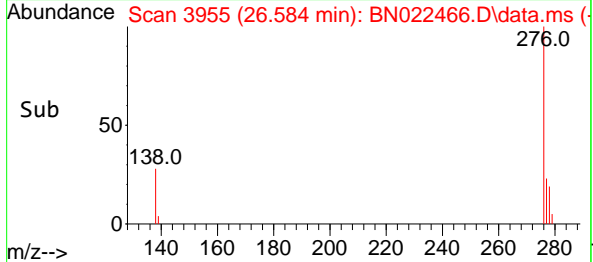
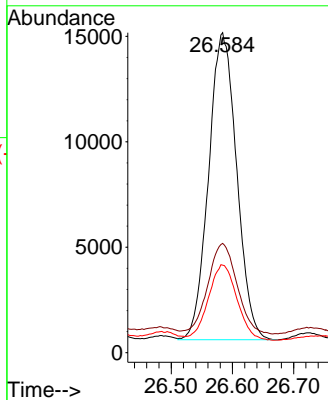
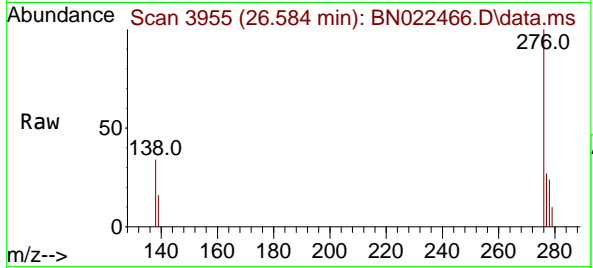


#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.122 ng  
 RT: 26.584 min Scan# 3967  
 Delta R.T. 0.018 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-12-103122

Tgt Ion: 276 Resp: 46301

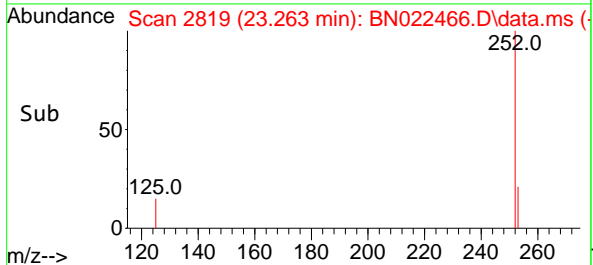
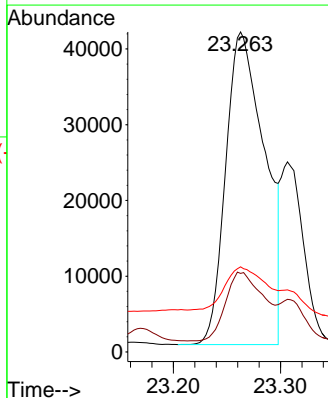
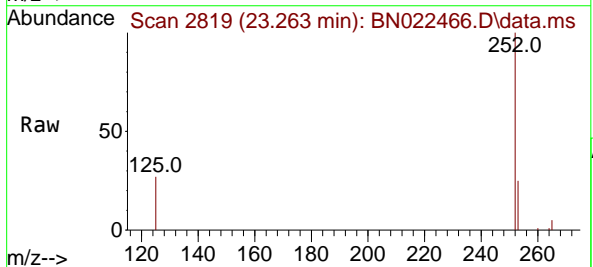
Ion	Ratio	Lower	Upper
276	100		
138	30.7	28.2	42.2
277	25.2	19.7	29.5



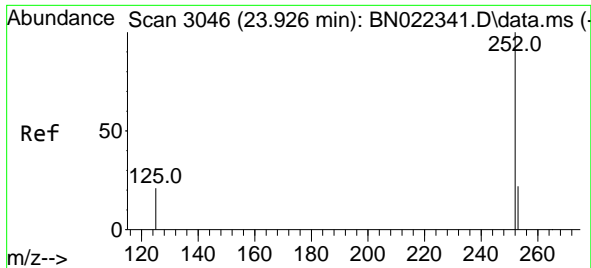
#37  
 Benzo(b)fluoranthene  
 Concen: 2.731 ng  
 RT: 23.263 min Scan# 2819  
 Delta R.T. 0.015 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Tgt Ion: 252 Resp: 104417

Ion	Ratio	Lower	Upper
252	100		
253	24.5	20.4	30.6
125	26.6	16.6	25.0

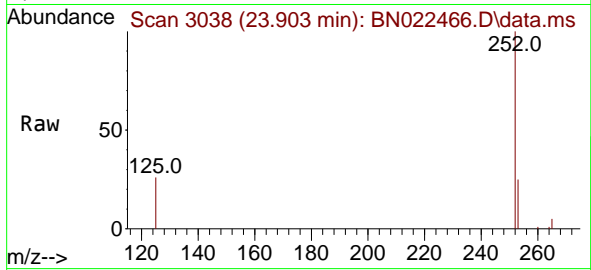




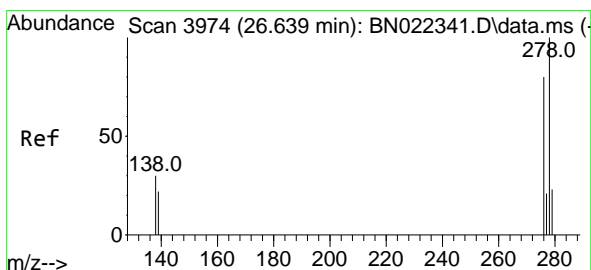
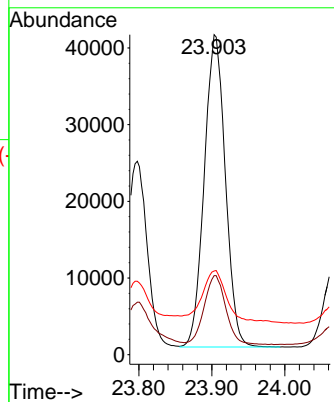
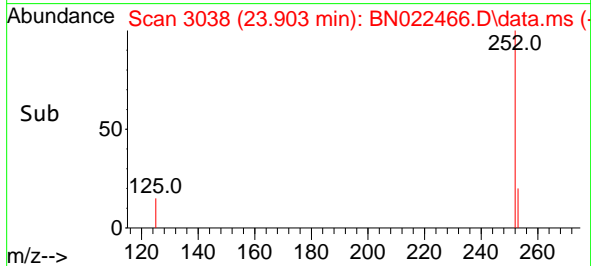


#39  
 Benzo(a)pyrene  
 Concen: 2.631 ng  
 RT: 23.903 min Scan# 3046  
 Delta R.T. 0.012 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

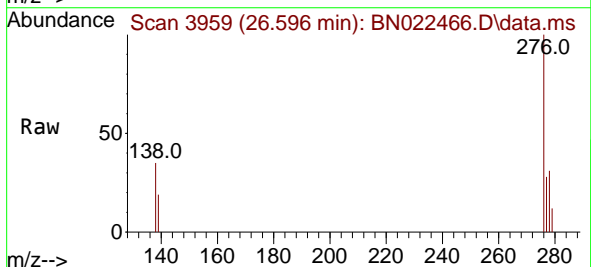
Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-12-103122



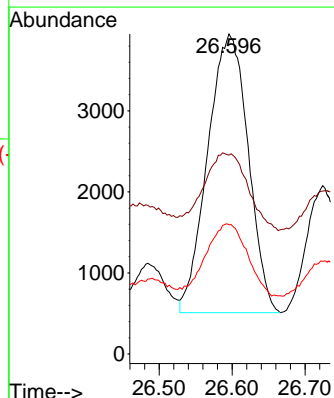
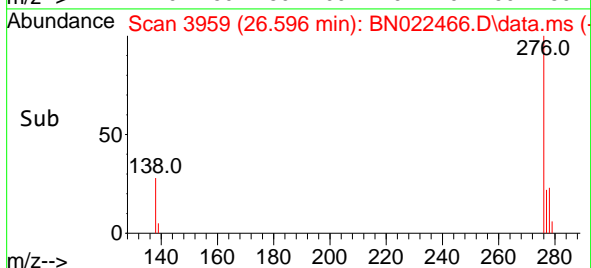
Tgt Ion:252 Resp: 81851  
 Ion Ratio Lower Upper  
 252 100  
 253 24.7 21.9 32.9  
 125 26.2 22.9 34.3

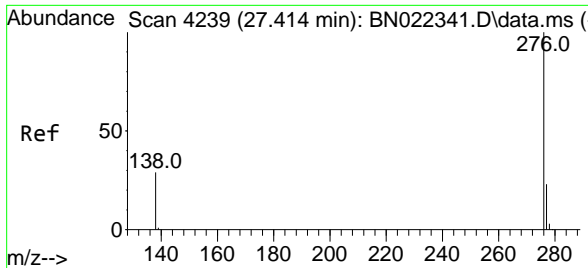


#40  
 Dibenzo(a,h)anthracene  
 Concen: 0.412 ng  
 RT: 26.596 min Scan# 3959  
 Delta R.T. 0.009 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23



Tgt Ion:278 Resp: 13268  
 Ion Ratio Lower Upper  
 278 100  
 139 62.2 20.2 30.2#  
 279 40.4 21.0 31.4#





#41  
 Benzo(g,h,i)perylene  
 Concen: 1.230 ng  
 RT: 27.382 min Scan# 41  
 Delta R.T. 0.023 min  
 Lab File: BN022466.D  
 Acq: 02 Nov 2022 16:23

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-12-103122

Tgt Ion: 276 Resp: 41805

Ion	Ratio	Lower	Upper
276	100		
277	27.8	19.5	29.3
138	35.1	25.0	37.4

