

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062123\  
 Data File : BF133885.D  
 Acq On : 21 Jun 2023 22:47  
 Operator : CG\JU  
 Sample : 03289-19 2X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 22 06:02:06 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 20 13:43:46 2023  
 Response via : Initial Calibration

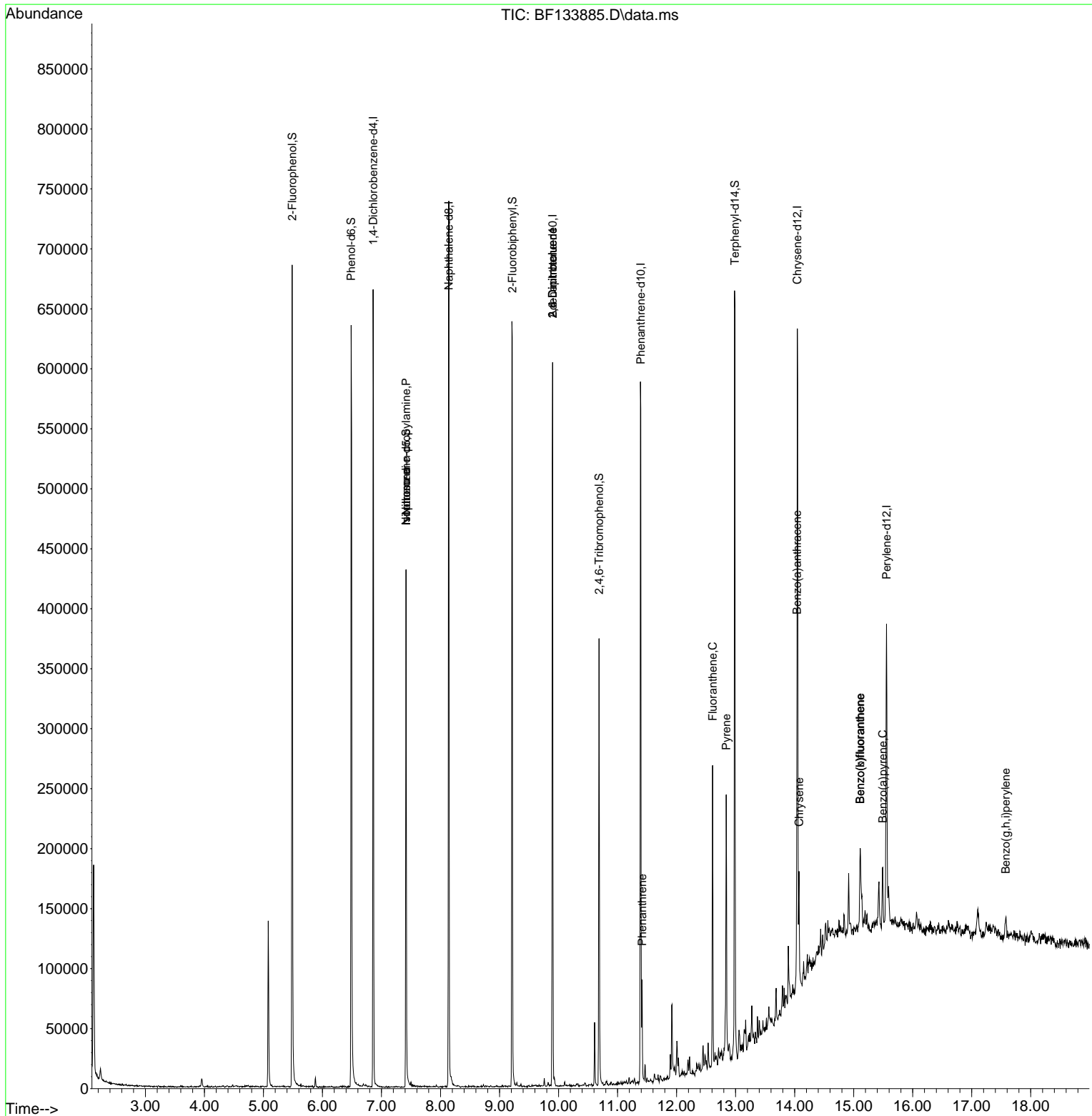
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	94508	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	307287	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	119071	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	227133	20.000	ng	0.00
76) Chrysene-d12	14.045	240	171572	20.000	ng	0.00
86) Perylene-d12	15.557	264	120393	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	168613	31.060	ng	0.00
7) Phenol-d6	6.487	99	192402	27.228	ng	0.00
23) Nitrobenzene-d5	7.416	82	120046	21.278	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	40214	26.681	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	202949	24.229	ng	0.00
79) Terphenyl-d14	12.986	244	226480	20.425	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.416	70	16152	3.593	ng	# 76
25) Isophorone	7.416	82	120044	11.590	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	14788	8.061	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	14788	6.338	ng	# 19
71) Phenanthrene	11.416	178	29640	2.572	ng	96
75) Fluoranthene	12.610	202	91868	7.507	ng	98
78) Pyrene	12.839	202	89765	5.616	ng	98
81) Benzo(a)anthracene	14.039	228	41156	3.468	ng	97
83) Chrysene	14.074	228	39900	3.555	ng	95
88) Benzo(b)fluoranthene	15.110	252	49783	6.807	ng	# 96
89) Benzo(k)fluoranthene	15.110	252	49783	6.988	ng	# 96
90) Benzo(a)pyrene	15.492	252	25068	3.693	ng	97
92) Benzo(g,h,i)perylene	17.574	276	18219	2.680	ng	# 89

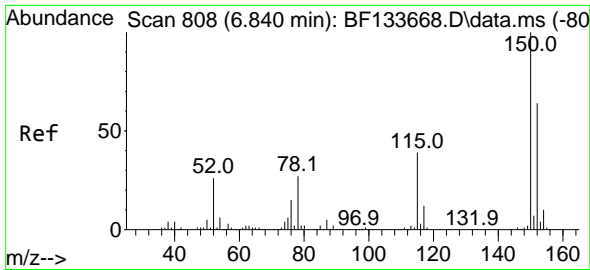
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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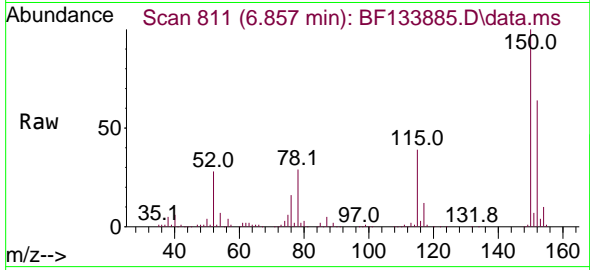
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 20 13:43:46 2023  
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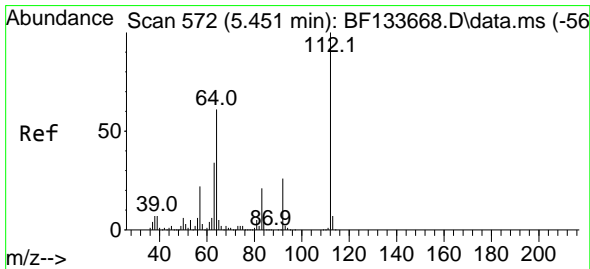
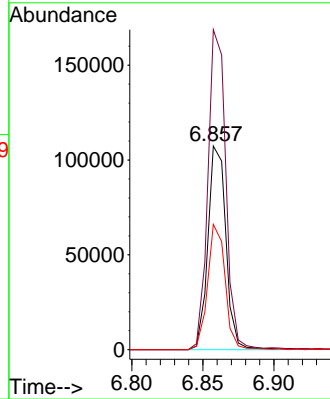
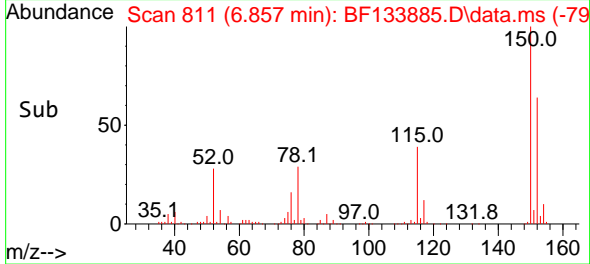


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.857 min Scan# 811  
 Delta R.T. 0.000 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

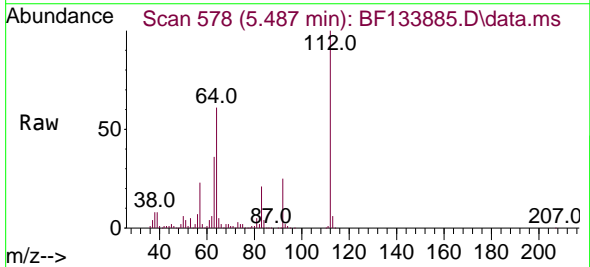
Instrument :  
 BNA\_F  
 ClientSampleId :



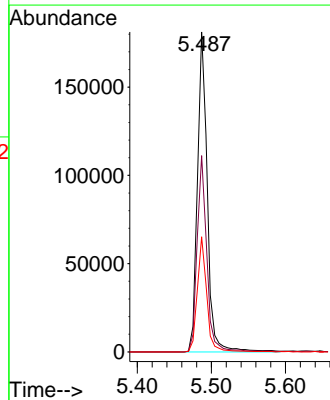
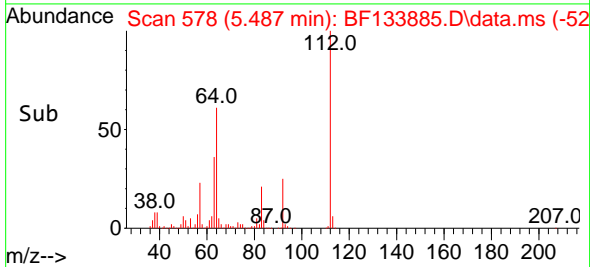
Tgt Ion:152 Resp: 94508  
 Ion Ratio Lower Upper  
 152 100  
 150 157.2 124.3 186.5  
 115 61.5 48.5 72.7

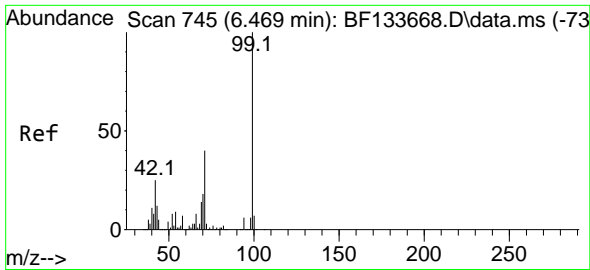


#5  
 2-Fluorophenol  
 Concen: 31.060 ng  
 RT: 5.487 min Scan# 578  
 Delta R.T. 0.000 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47



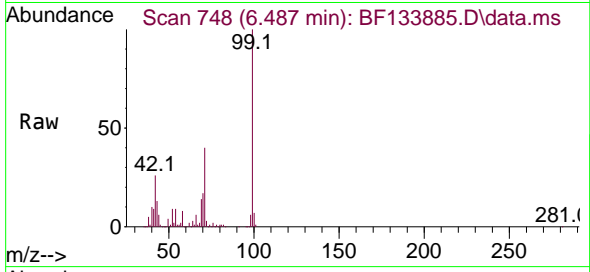
Tgt Ion:112 Resp: 168613  
 Ion Ratio Lower Upper  
 112 100  
 64 61.3 49.0 73.4  
 63 36.0 26.8 40.2



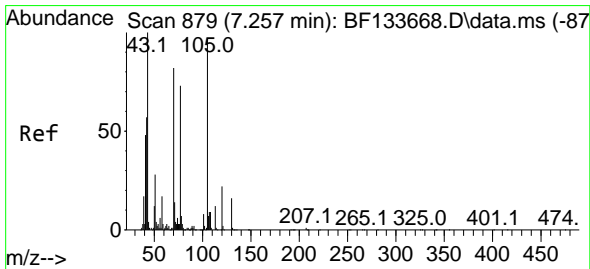
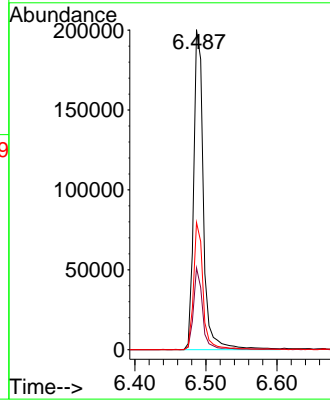
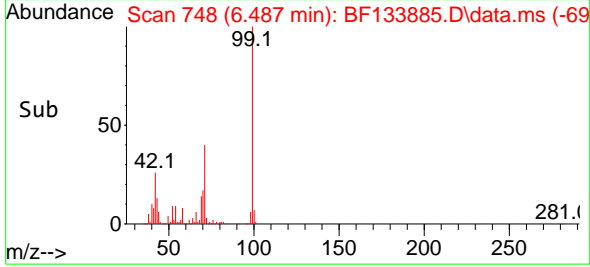


#7  
 Phenol-d6  
 Concen: 27.228 ng  
 RT: 6.487 min Scan# 74  
 Delta R.T. -0.006 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

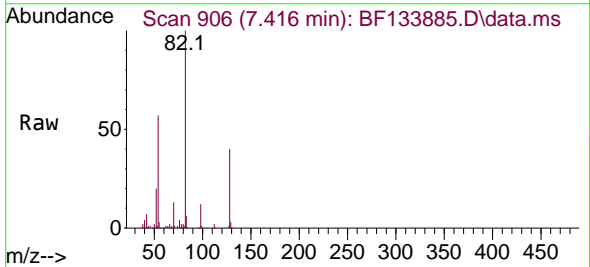
Instrument :  
 BNA\_F  
 ClientSampleId :



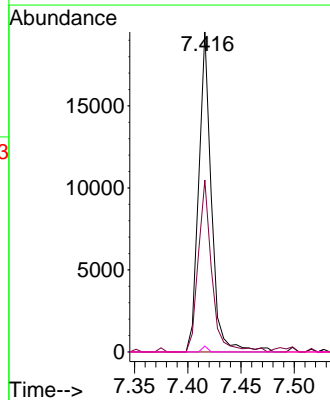
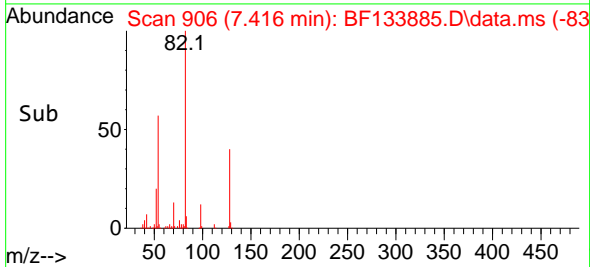
Tgt Ion: 99 Resp: 192402  
 Ion Ratio Lower Upper  
 99 100  
 42 25.5 19.9 29.9  
 71 39.7 32.2 48.4

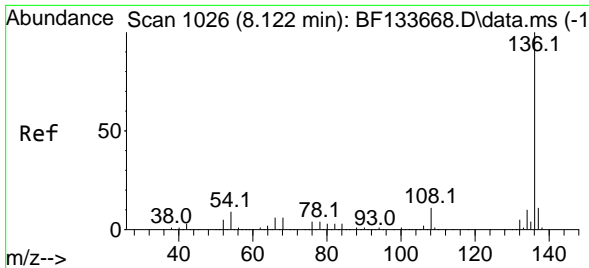


#19  
 n-Nitroso-di-n-propylamine  
 Concen: 3.593 ng  
 RT: 7.416 min Scan# 906  
 Delta R.T. 0.141 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47



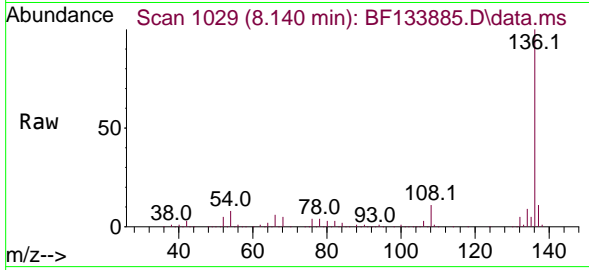
Tgt Ion: 70 Resp: 16152  
 Ion Ratio Lower Upper  
 70 100  
 42 53.7 55.8 83.8#  
 101 0.0 8.1 12.1#  
 130 1.8 15.7 23.5#



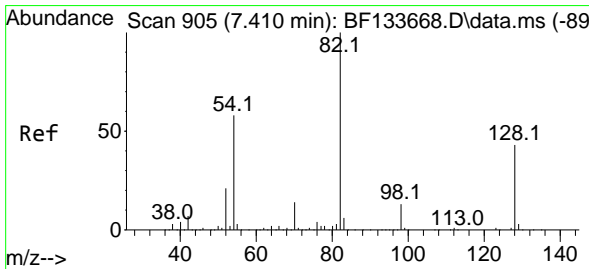
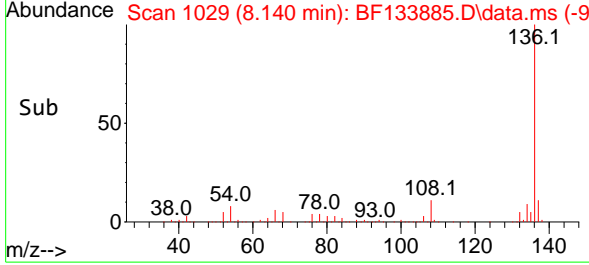
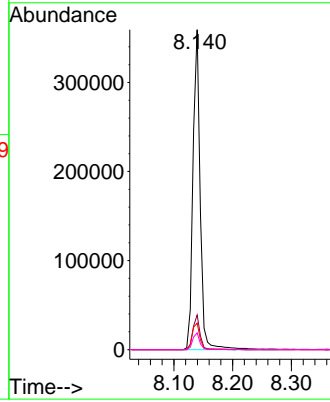


#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.140 min Scan# 10  
 Delta R.T. 0.000 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

Instrument :  
 BNA\_F  
 ClientSampleId :

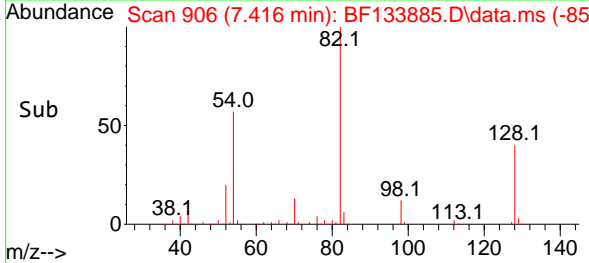
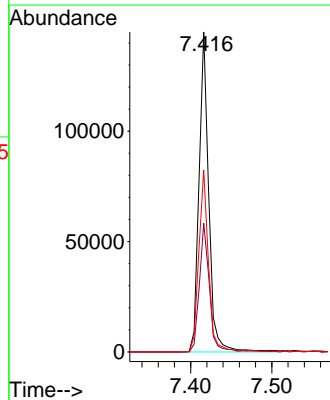
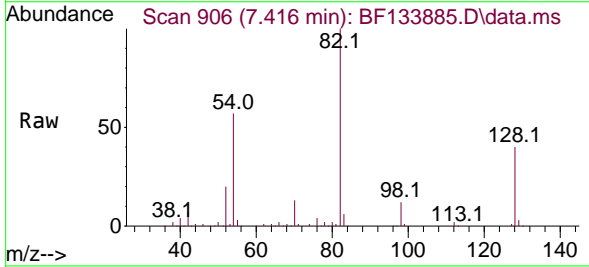


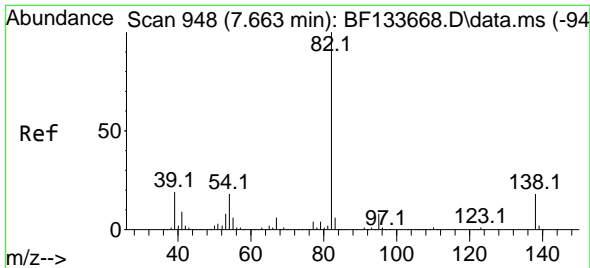
Tgt Ion:136 Resp: 307287  
 Ion Ratio Lower Upper  
 136 100  
 137 10.8 8.8 13.2  
 54 8.3 7.4 11.0  
 68 5.2 4.4 6.6



#23  
 Nitrobenzene-d5  
 Concen: 21.278 ng  
 RT: 7.416 min Scan# 906  
 Delta R.T. -0.006 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

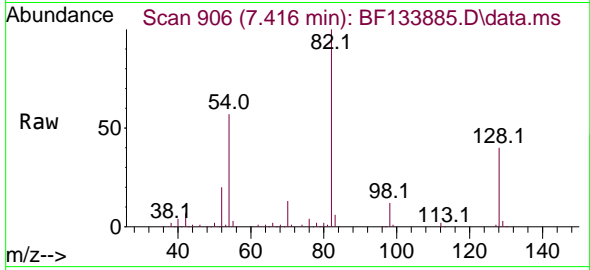
Tgt Ion: 82 Resp: 120046  
 Ion Ratio Lower Upper  
 82 100  
 128 40.3 34.2 51.2  
 54 56.8 46.5 69.7



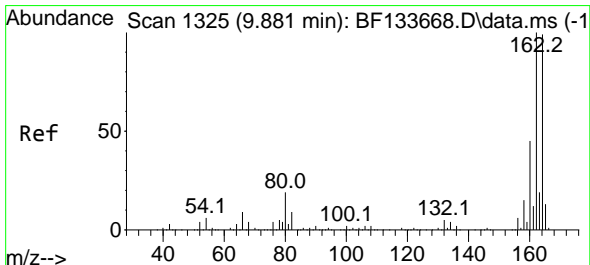
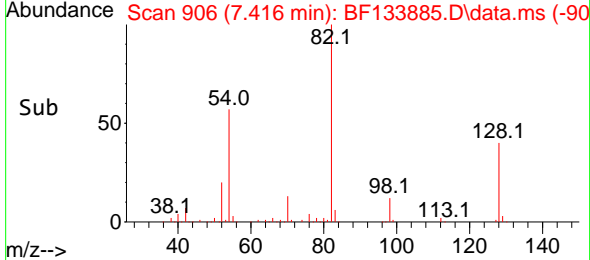
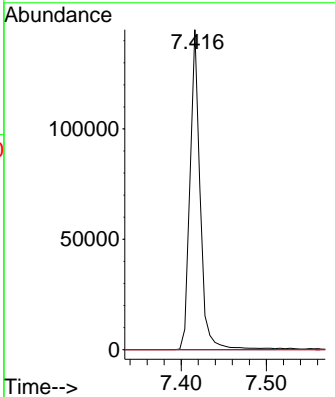


#25  
 Isophorone  
 Concen: 11.590 ng  
 RT: 7.416 min Scan# 90  
 Delta R.T. -0.265 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

Instrument : BNA\_F  
 ClientSampleId :

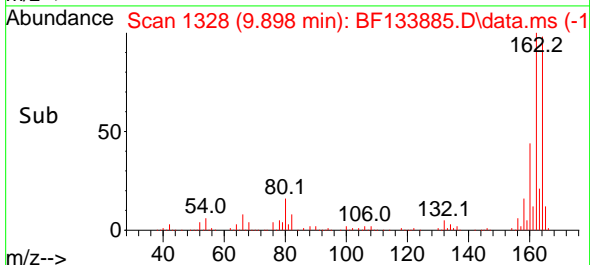
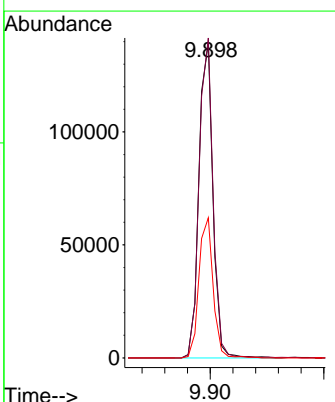
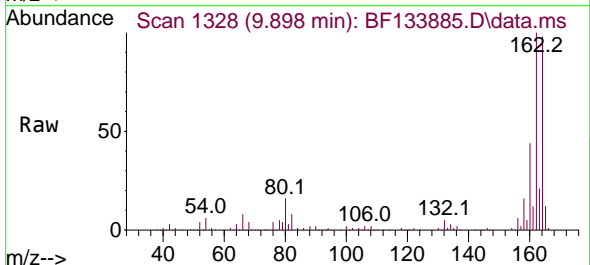


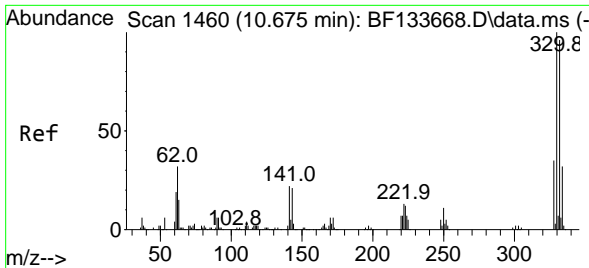
Tgt Ion: 82 Resp: 120044  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 6.0 9.0#  
 138 0.0 14.2 21.2#



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.898 min Scan# 1328  
 Delta R.T. 0.000 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

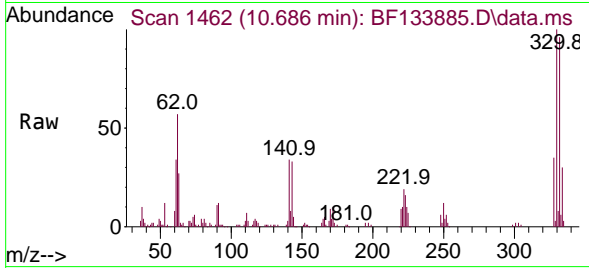
Tgt Ion:164 Resp: 119071  
 Ion Ratio Lower Upper  
 164 100  
 162 101.8 80.8 121.2  
 160 44.6 36.7 55.1



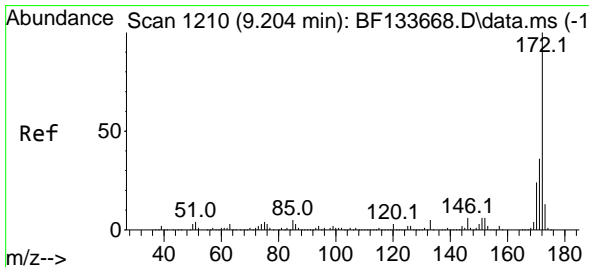
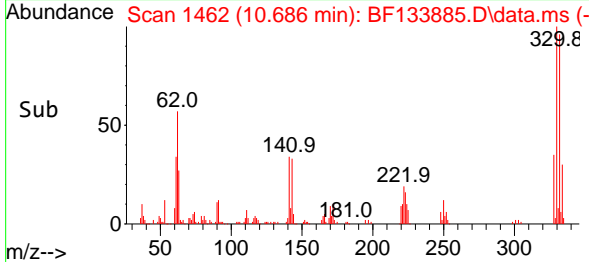
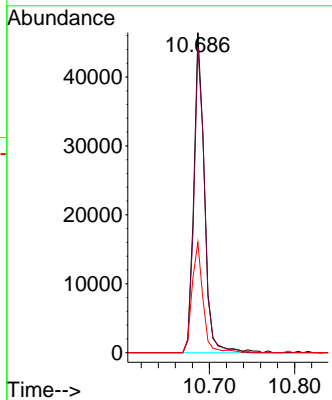


#42  
 2,4,6-Tribromophenol  
 Concen: 26.681 ng  
 RT: 10.686 min Scan# 1462  
 Delta R.T. -0.006 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

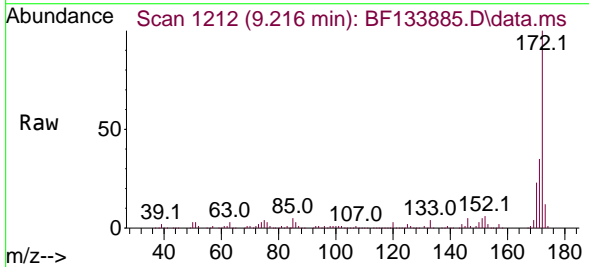
Instrument :  
 BNA\_F  
 ClientSampleId :



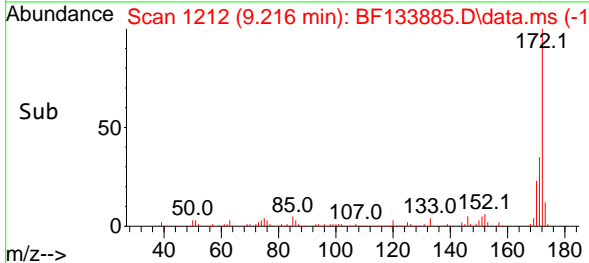
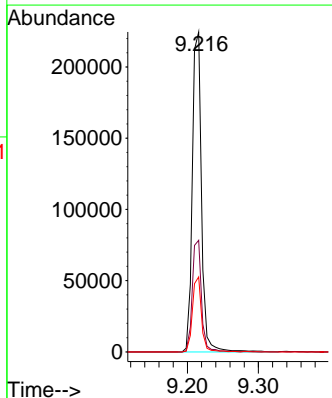
Tgt Ion:330 Resp: 40214  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 77.2 115.8  
 141 35.8 24.9 37.3

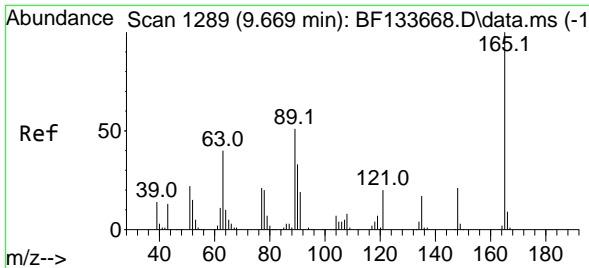


#45  
 2-Fluorobiphenyl  
 Concen: 24.229 ng  
 RT: 9.216 min Scan# 1212  
 Delta R.T. 0.000 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47



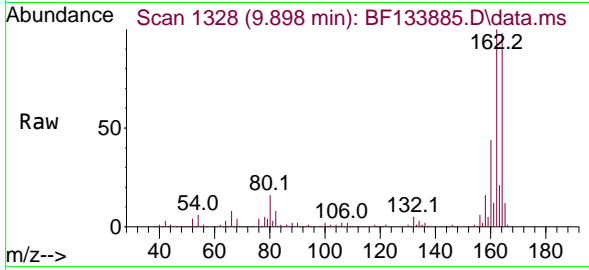
Tgt Ion:172 Resp: 202949  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 28.6 43.0  
 170 23.4 19.1 28.7





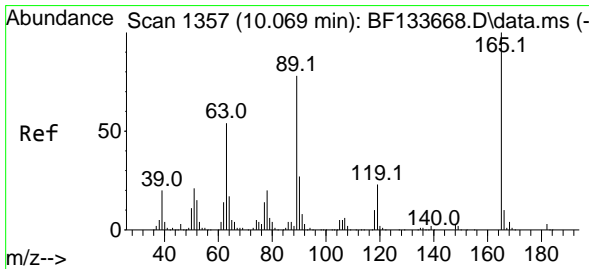
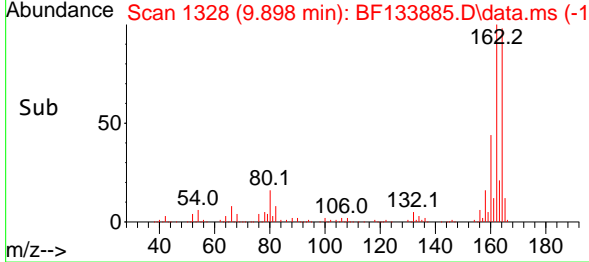
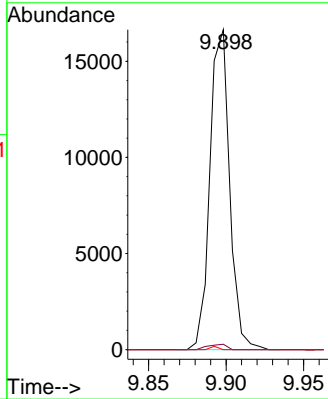
#51  
 2,6-Dinitrotoluene  
 Concen: 8.061 ng  
 RT: 9.898 min Scan# 1328  
 Delta R.T. 0.218 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

Instrument :  
 BNA\_F  
 ClientSampleId :



Tgt Ion:165 Resp: 14788

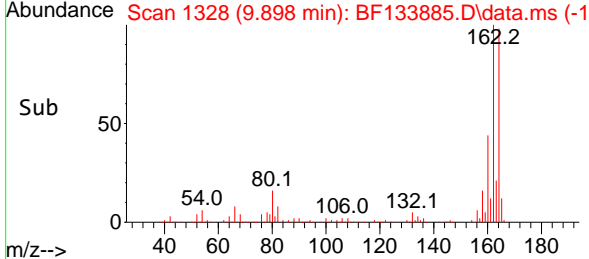
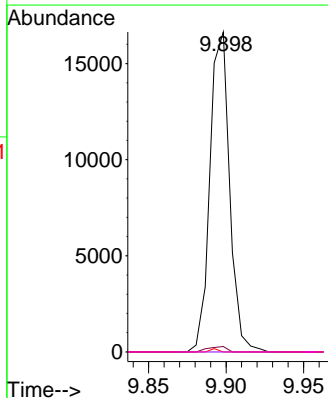
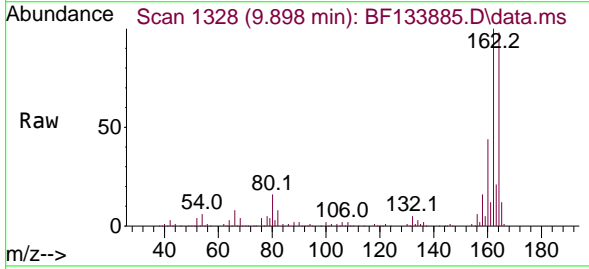
Ion	Ratio	Lower	Upper
165	100		
63	1.7	42.1	63.1#
89	0.0	40.9	61.3#



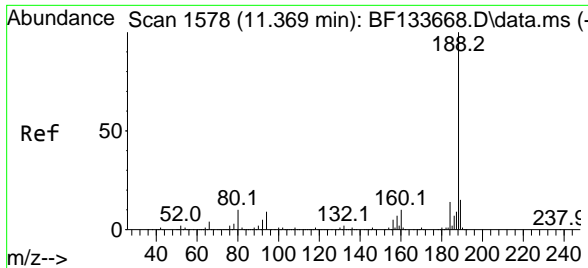
#57  
 2,4-Dinitrotoluene  
 Concen: 6.338 ng  
 RT: 9.898 min Scan# 1328  
 Delta R.T. -0.188 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

Tgt Ion:165 Resp: 14788

Ion	Ratio	Lower	Upper
165	100		
63	1.7	43.0	64.6#
89	0.0	62.6	93.8#
182	0.0	2.2	3.2#





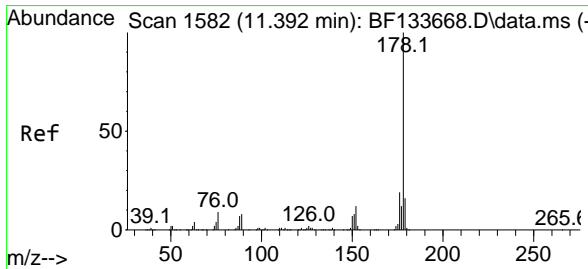
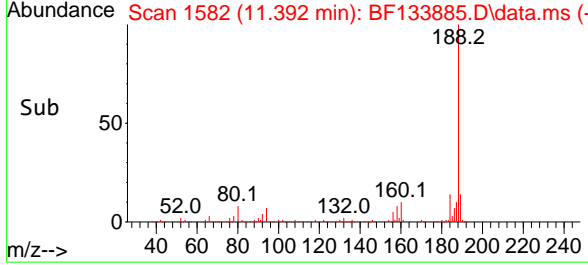
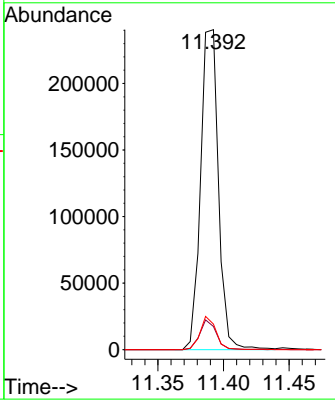
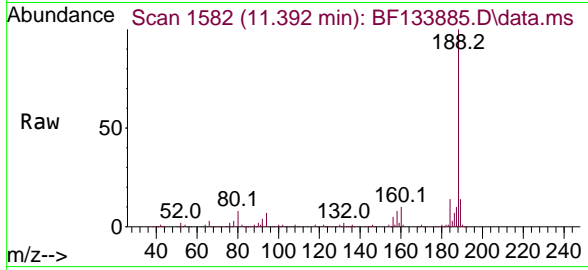


#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.392 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

Instrument : BNA\_F  
 ClientSampleId :

Tgt Ion:188 Resp: 227133

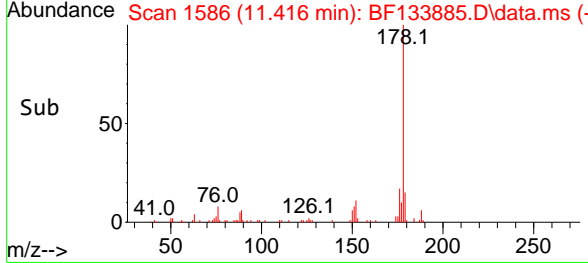
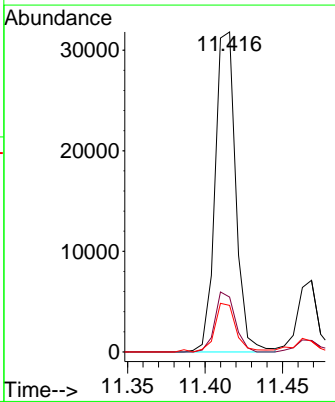
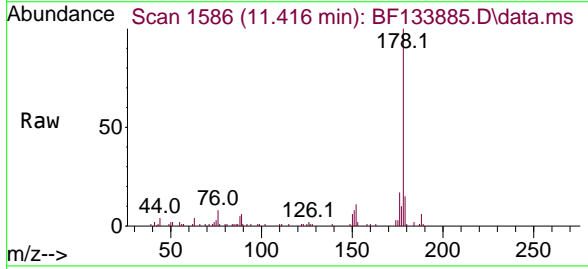
Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.8	10.2
80	8.0	7.8	11.6

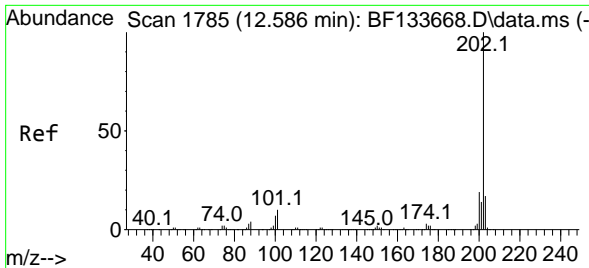


#71  
 Phenanthrene  
 Concen: 2.572 ng  
 RT: 11.416 min Scan# 1586  
 Delta R.T. 0.000 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

Tgt Ion:178 Resp: 29640

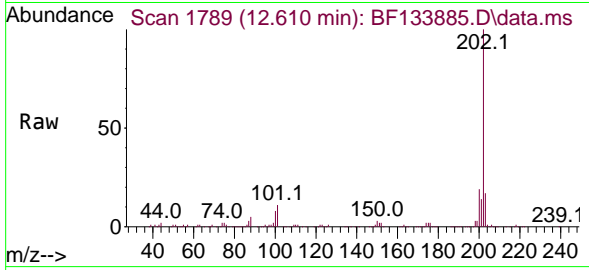
Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.6	23.4
179	14.5	12.4	18.6



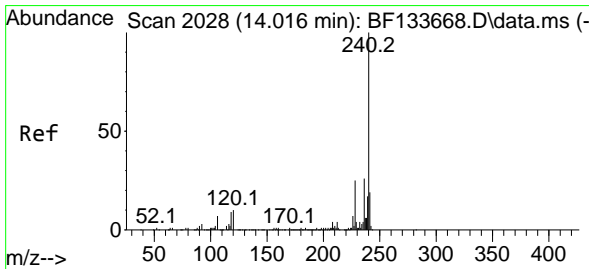
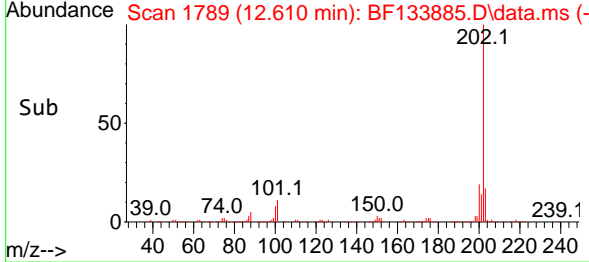
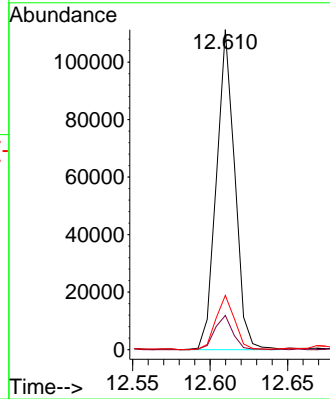


#75  
 Fluoranthene  
 Concen: 7.507 ng  
 RT: 12.610 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

Instrument :  
 BNA\_F  
 ClientSampleId :

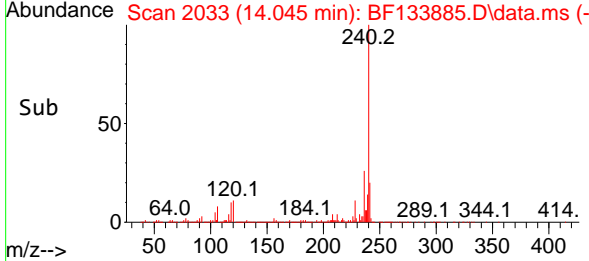
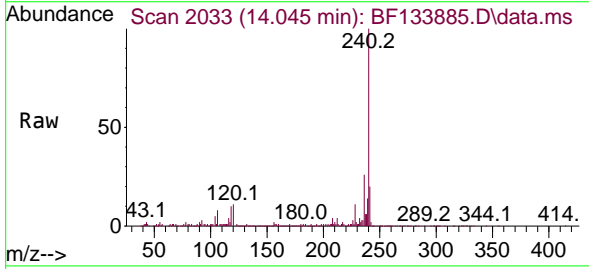
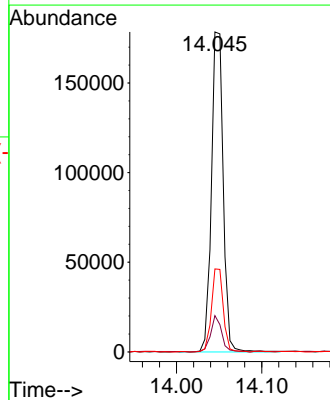


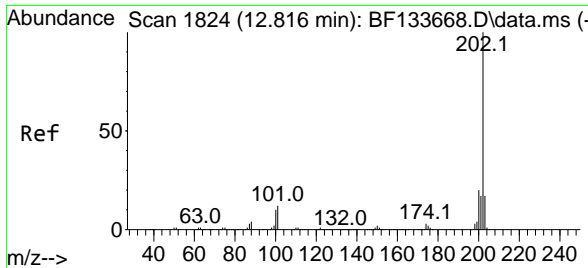
Tgt Ion:202 Resp: 91868  
 Ion Ratio Lower Upper  
 202 100  
 101 10.7 0.0 29.6  
 203 16.9 0.0 37.4



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.045 min Scan# 2033  
 Delta R.T. 0.000 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

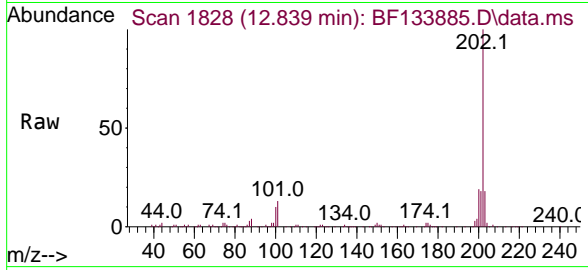
Tgt Ion:240 Resp: 171572  
 Ion Ratio Lower Upper  
 240 100  
 120 11.3 8.1 12.1  
 236 25.9 20.5 30.7





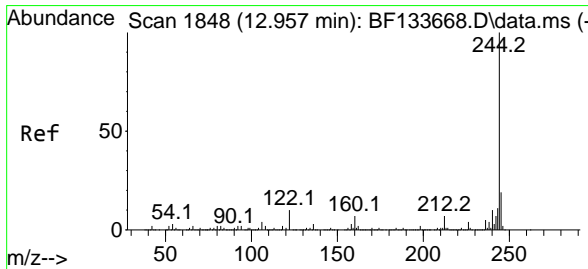
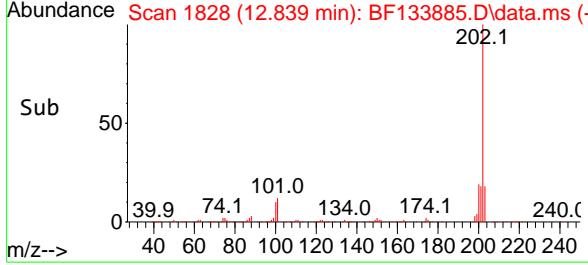
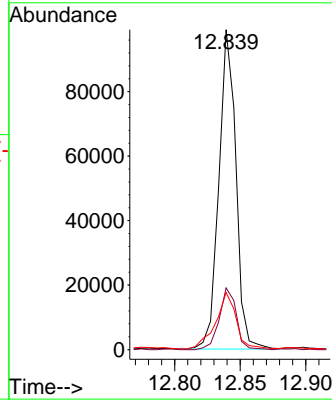
#78  
 Pyrene  
 Concen: 5.616 ng  
 RT: 12.839 min Scan# 1828  
 Delta R.T. 0.000 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

Instrument :  
 BNA\_F  
 ClientSampleId :



Tgt Ion: 202 Resp: 89765

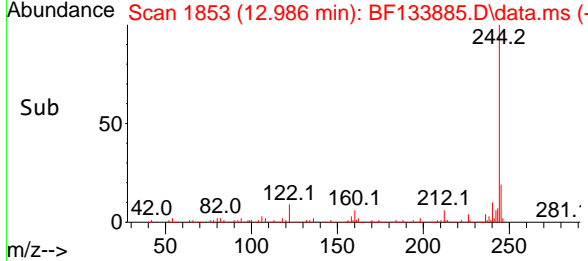
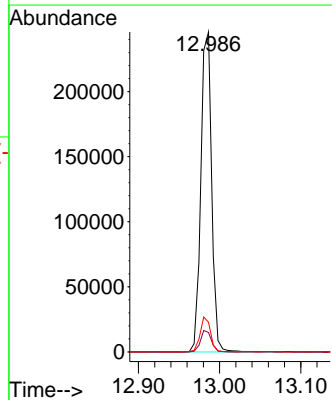
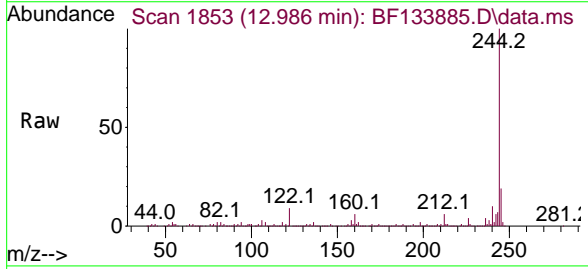
Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.2	24.2
203	17.8	13.9	20.9

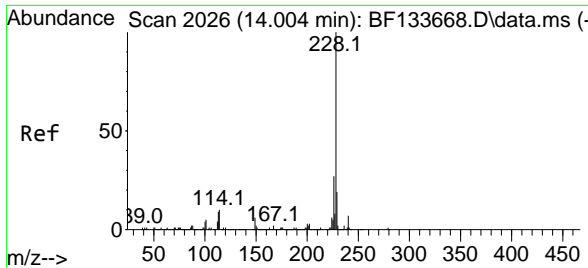


#79  
 Terphenyl-d14  
 Concen: 20.425 ng  
 RT: 12.986 min Scan# 1853  
 Delta R.T. 0.000 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

Tgt Ion: 244 Resp: 226480

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.2
122	9.3	8.1	12.1



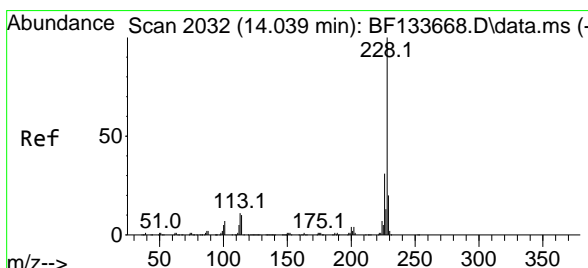
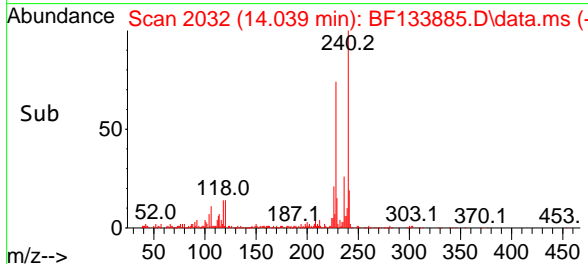
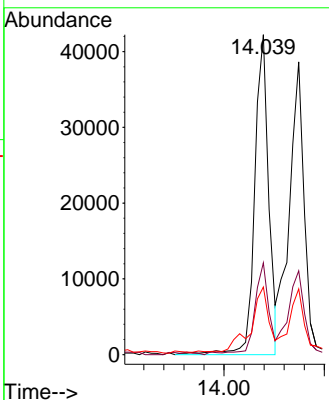
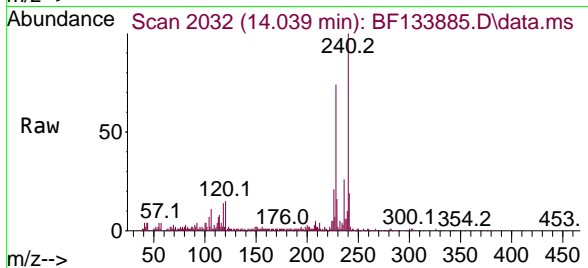


#81  
 Benzo(a)anthracene  
 Concen: 3.468 ng  
 RT: 14.039 min Scan# 2032  
 Delta R.T. 0.006 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

Instrument :  
 BNA\_F  
 ClientSampleId :

Tgt Ion:228 Resp: 41156

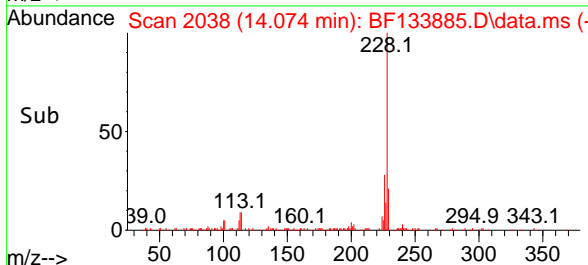
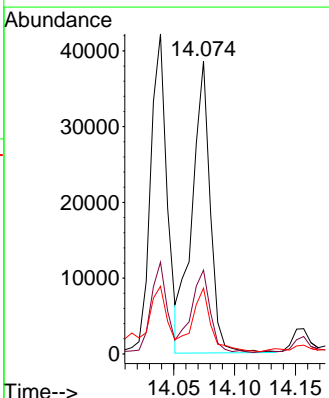
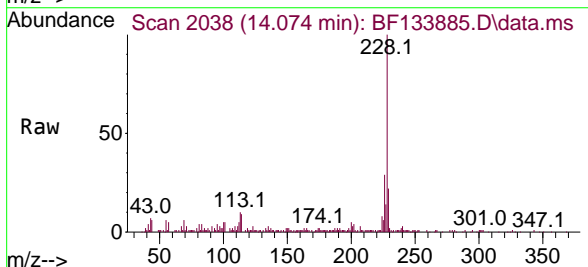
Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.7	32.5
229	21.1	15.4	23.2

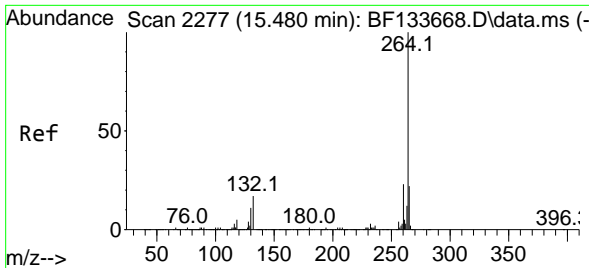


#83  
 Chrysene  
 Concen: 3.555 ng  
 RT: 14.074 min Scan# 2038  
 Delta R.T. 0.000 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

Tgt Ion:228 Resp: 39900

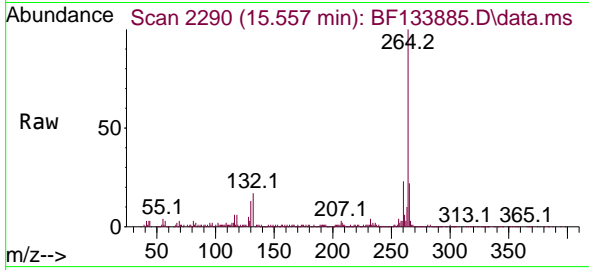
Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.0	37.6
229	22.5	15.8	23.8



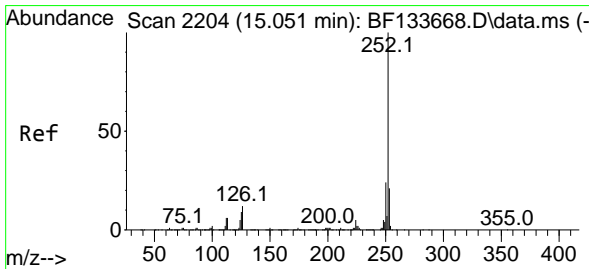
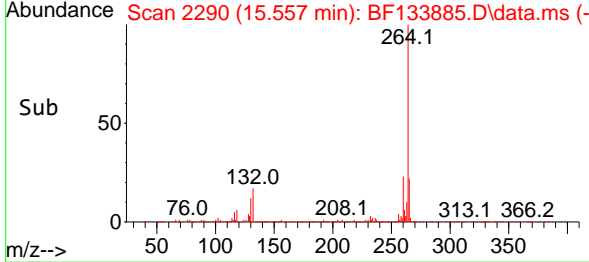
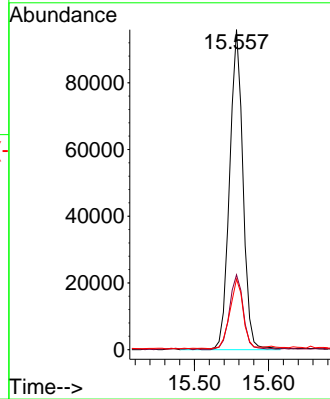


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.557 min Scan# 2214  
 Delta R.T. 0.006 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

Instrument :  
 BNA\_F  
 ClientSampleId :

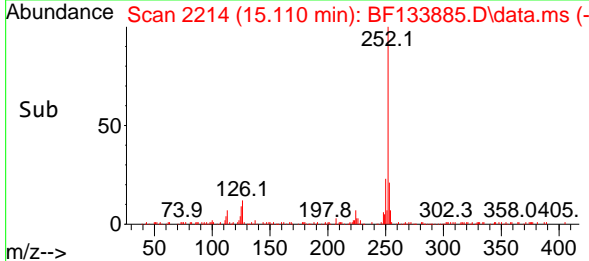
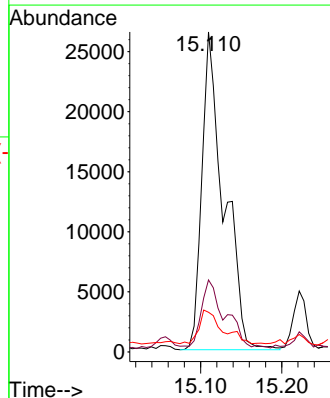
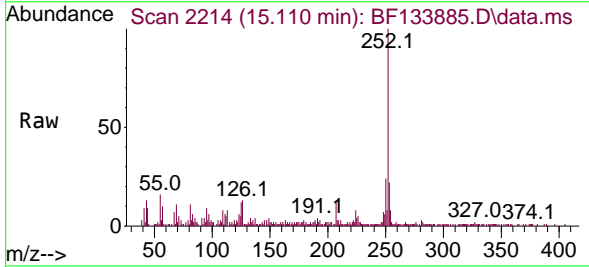


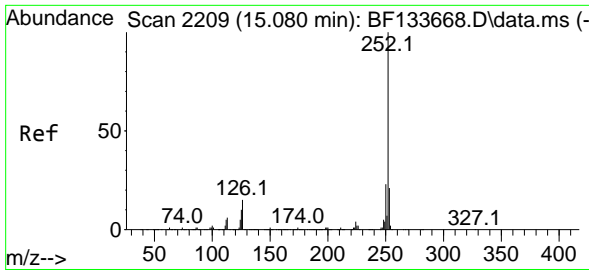
Tgt Ion:264 Resp: 120393  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 18.2 27.2  
 265 22.0 17.8 26.6



#88  
 Benzo(b)fluoranthene  
 Concen: 6.807 ng  
 RT: 15.110 min Scan# 2214  
 Delta R.T. 0.006 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

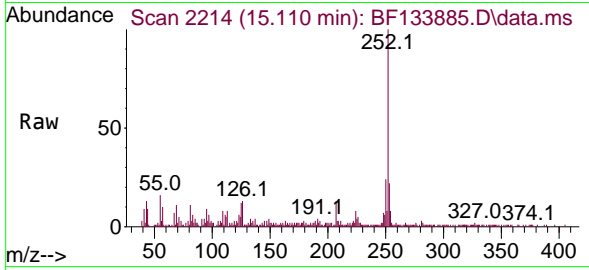
Tgt Ion:252 Resp: 49783  
 Ion Ratio Lower Upper  
 252 100  
 253 22.5 17.0 25.6  
 125 12.4 7.3 10.9#



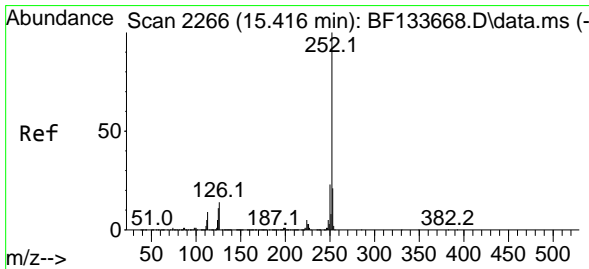
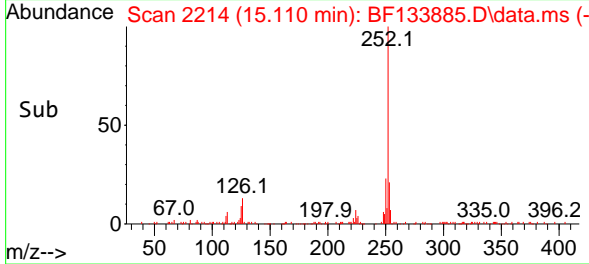
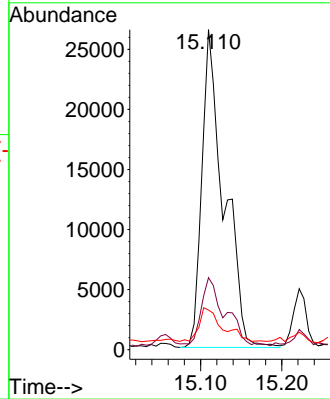


#89  
 Benzo(k)fluoranthene  
 Concen: 6.988 ng  
 RT: 15.110 min Scan# 21  
 Delta R.T. -0.023 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

Instrument :  
 BNA\_F  
 ClientSampleId :

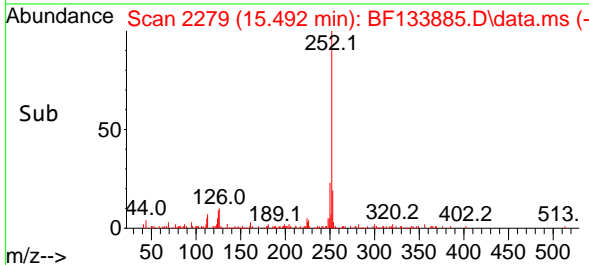
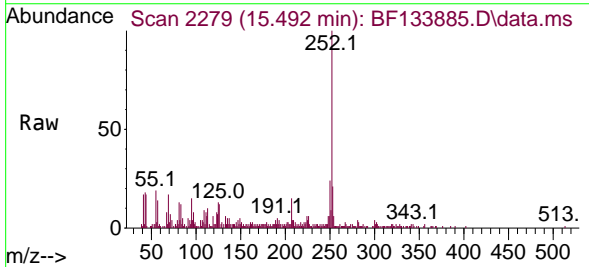
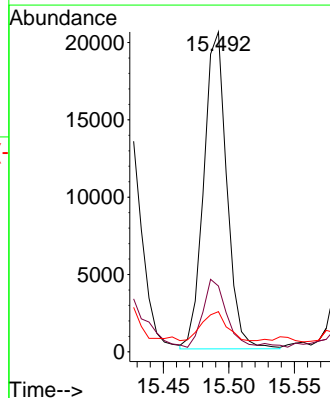


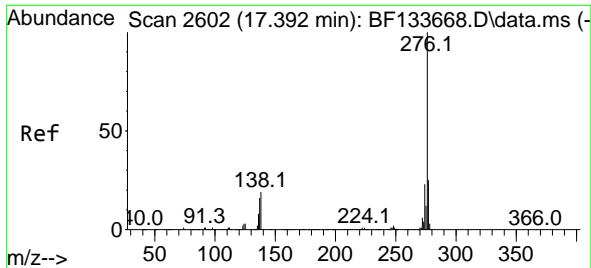
Tgt Ion:252 Resp: 49783  
 Ion Ratio Lower Upper  
 252 100  
 253 22.5 17.0 25.4  
 125 12.4 7.8 11.6#



#90  
 Benzo(a)pyrene  
 Concen: 3.693 ng  
 RT: 15.492 min Scan# 2279  
 Delta R.T. 0.006 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

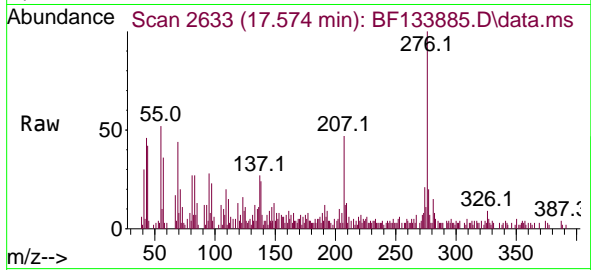
Tgt Ion:252 Resp: 25068  
 Ion Ratio Lower Upper  
 252 100  
 253 20.6 17.1 25.7  
 125 12.6 8.6 13.0





#92  
 Benzo(g,h,i)perylene  
 Concen: 2.680 ng  
 RT: 17.574 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: BF133885.D  
 Acq: 21 Jun 2023 22:47

Instrument :  
 BNA\_F  
 ClientSampleId :



Tgt Ion: 276 Resp: 18219

Ion	Ratio	Lower	Upper
276	100		
277	19.8	19.8	29.8#
138	24.4	15.0	22.4#

