

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032524\
 Data File : BM044760.D
 Acq On : 25 Mar 2024 17:47
 Operator : MA/JU
 Sample : P1842-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-03222024-A

Quant Time: Mar 25 18:15:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 02:28:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

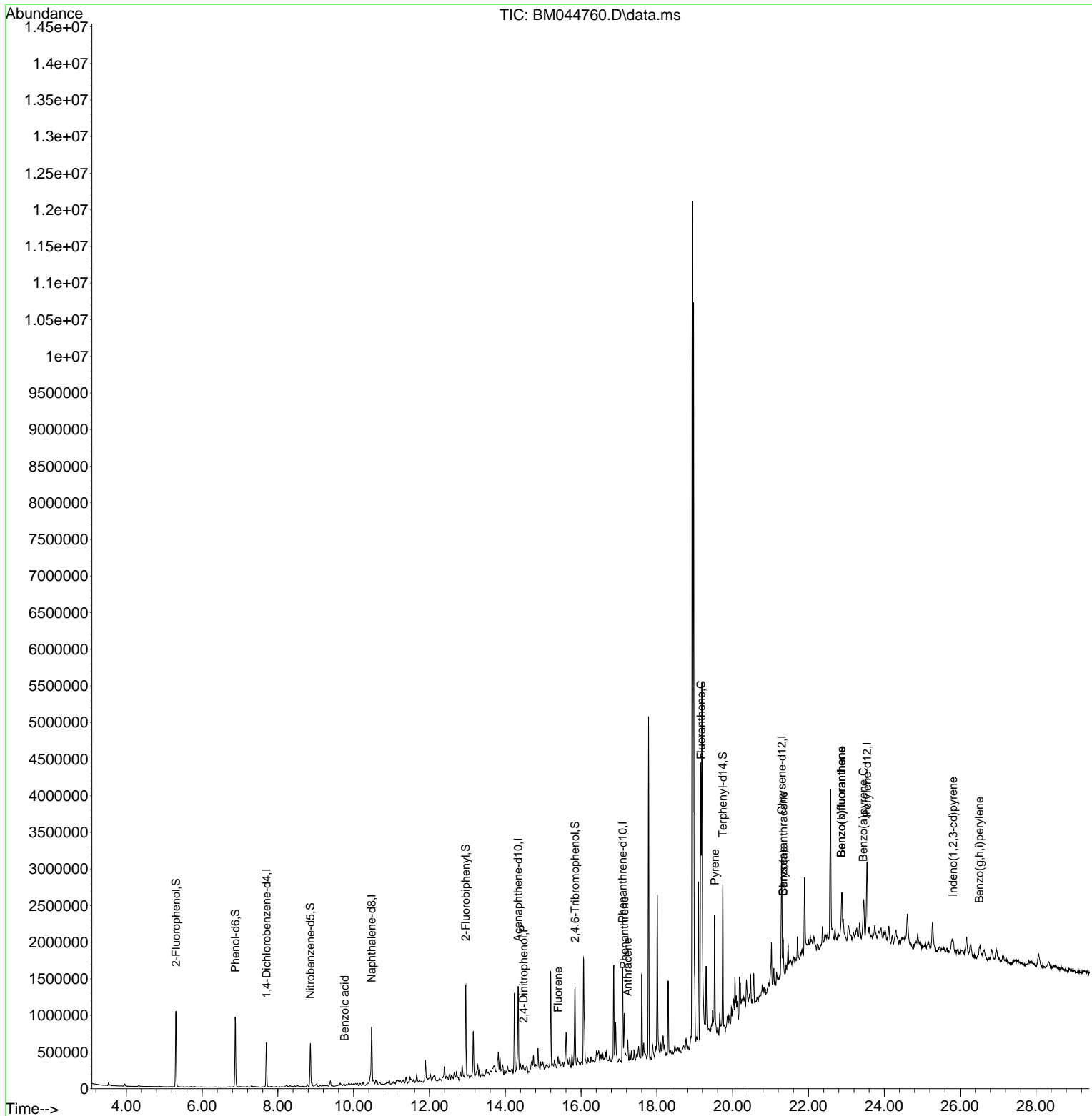
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.698	152	162739	20.000	ng	0.00	
21) Naphthalene-d8	10.475	136	631207	20.000	ng	-0.01	
39) Acenaphthene-d10	14.339	164	367684	20.000	ng	-0.01	
64) Phenanthrene-d10	17.098	188	737449	20.000	ng	0.00	
76) Chrysene-d12	21.291	240	628210	20.000	ng	-0.01	
86) Perylene-d12	23.544	264	712037	20.000	ng	0.00	
System Monitoring Compounds							
5) 2-Fluorophenol	5.310	112	436480	38.509	ng	0.00	
7) Phenol-d6	6.875	99	532441	36.514	ng	0.00	
23) Nitrobenzene-d5	8.857	82	321808	24.561	ng	0.00	
42) 2,4,6-Tribromophenol	15.839	330	176126	43.430	ng	0.00	
45) 2-Fluorobiphenyl	12.957	172	672575	25.192	ng	-0.01	
79) Terphenyl-d14	19.739	244	937107	26.095	ng	0.00	
Target Compounds							
							Qvalue
32) Benzoic acid	9.763	122	1467	3.792	ng	#	35
54) 2,4-Dinitrophenol	14.480	184	64	4.525	ng	#	1
58) Fluorene	15.392	166	54145	2.092	ng	#	95
71) Phenanthrene	17.139	178	385464	9.459	ng		100
72) Anthracene	17.227	178	153807	3.763	ng		96
75) Fluoranthene	19.162	202	593335	13.024	ng		98
78) Pyrene	19.527	202	627010	13.618	ng		100
81) Benzo(a)anthracene	21.333	228	250949	5.741	ng		92
83) Chrysene	21.333	228	250949	6.008	ng	#	94
87) Indeno(1,2,3-cd)pyrene	25.815	276	154644	3.004	ng	#	93
88) Benzo(b)fluoranthene	22.868	252	296337	7.082	ng	#	78
89) Benzo(k)fluoranthene	22.868	252	296337	6.889	ng	#	78
90) Benzo(a)pyrene	23.444	252	234625	5.749	ng	#	88
92) Benzo(g,h,i)perylene	26.509	276	169062	3.958	ng	#	94

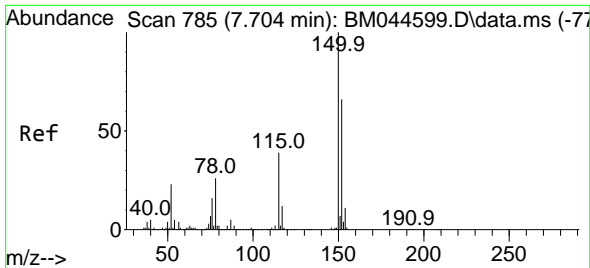
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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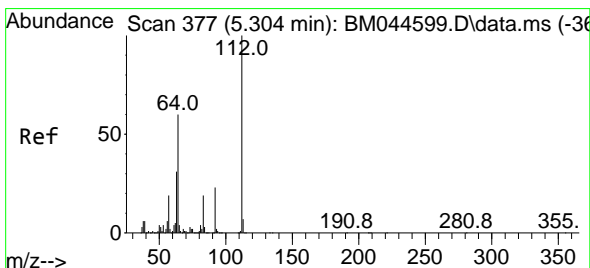
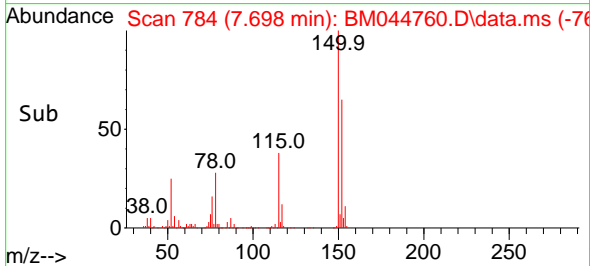
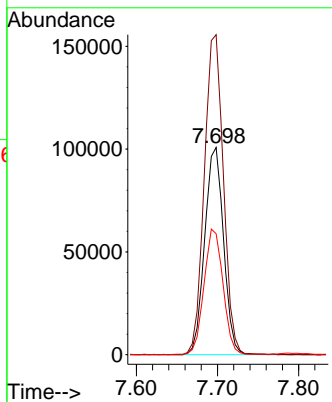
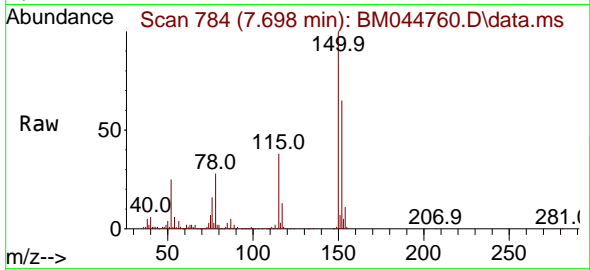


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.698 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-03222024-A

Tgt Ion:152 Resp: 162739

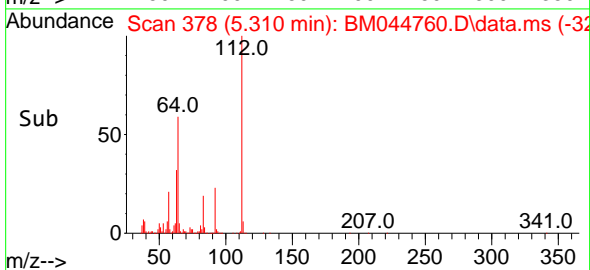
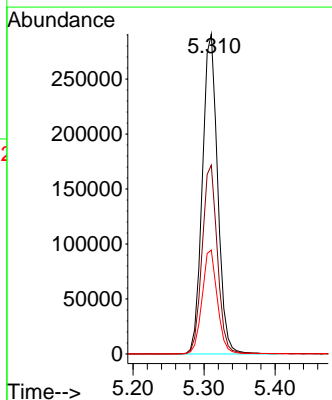
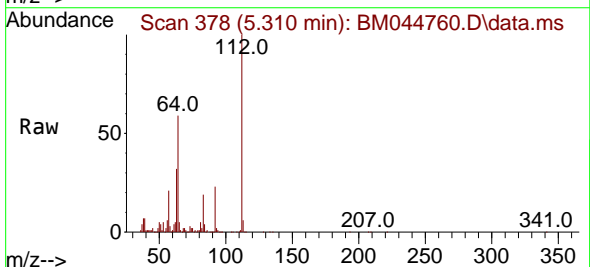
Ion	Ratio	Lower	Upper
152	100		
150	154.4	121.9	182.9
115	58.4	47.1	70.7

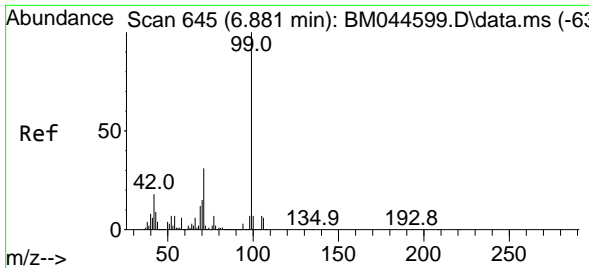


#5
 2-Fluorophenol
 Concen: 38.509 ng
 RT: 5.310 min Scan# 378
 Delta R.T. 0.006 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Tgt Ion:112 Resp: 436480

Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.9	71.9
63	32.5	25.0	37.4



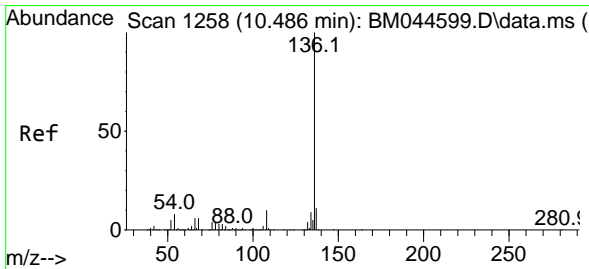
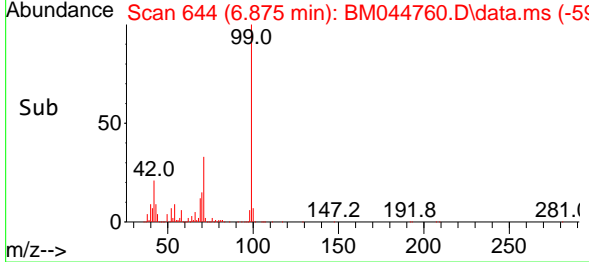
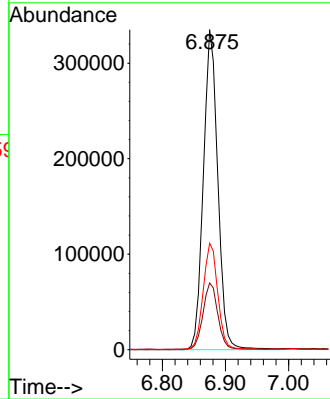
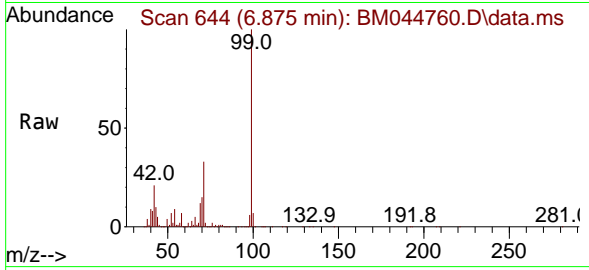


#7
 Phenol-d6
 Concen: 36.514 ng
 RT: 6.875 min Scan# 64
 Delta R.T. -0.006 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-03222024-A

Tgt Ion: 99 Resp: 532441

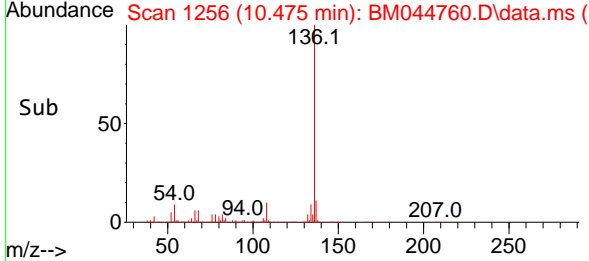
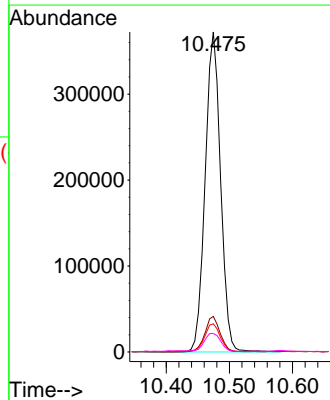
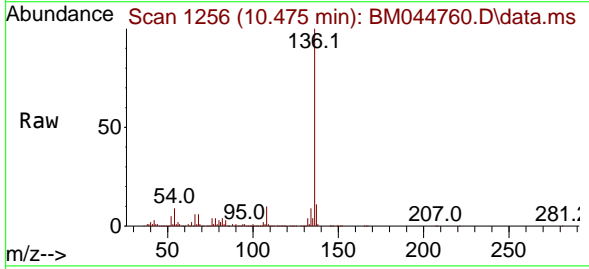
Ion	Ratio	Lower	Upper
99	100		
42	20.9	14.3	21.5
71	33.3	24.5	36.7

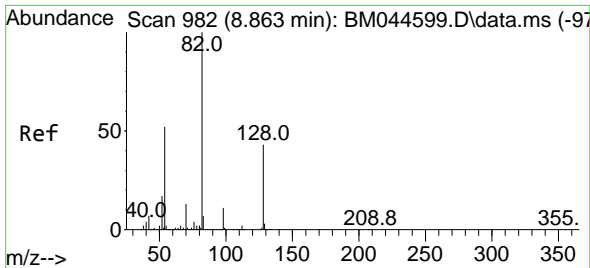


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.475 min Scan# 1256
 Delta R.T. -0.012 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Tgt Ion: 136 Resp: 631207

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	6.6	10.0
68	5.7	5.0	7.4

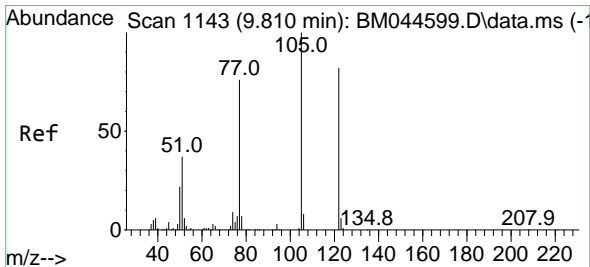
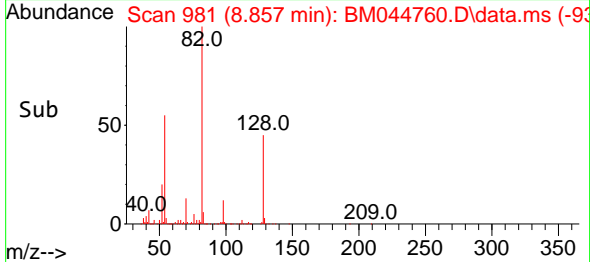
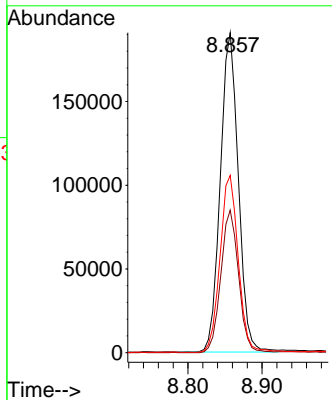
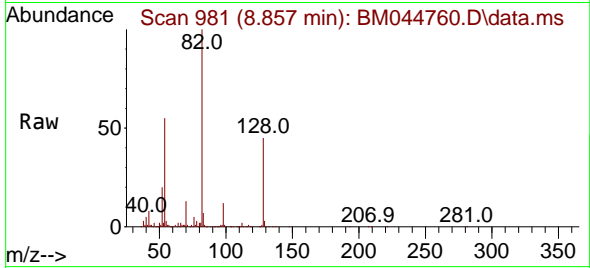




#23
 Nitrobenzene-d5
 Concen: 24.561 ng
 RT: 8.857 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

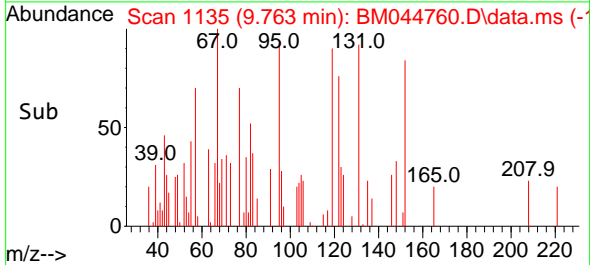
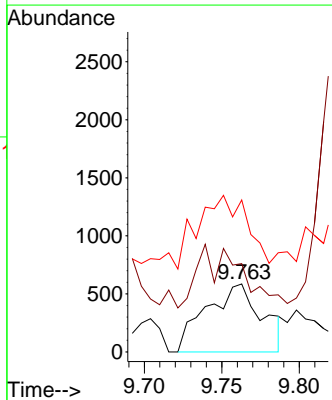
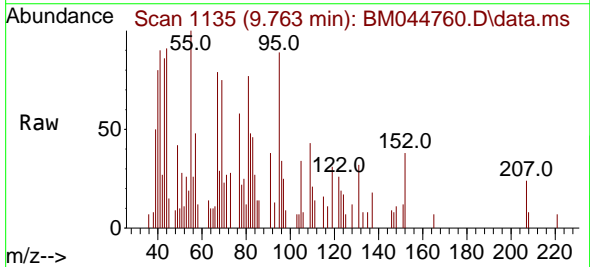
Instrument :
 BNA_M
 ClientSampleId :
 EO-01-03222024-A

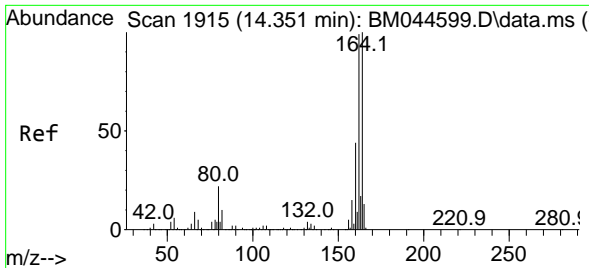
Tgt Ion	Resp	Lower	Upper
82	321808		
128	44.6	34.2	51.4
54	55.4	41.3	61.9



#32
 Benzoic acid
 Concen: 3.792 ng
 RT: 9.763 min Scan# 1135
 Delta R.T. -0.047 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Tgt Ion	Resp	Lower	Upper
122	1467		
122	100		
105	129.9	100.0	140.0
77	223.5	72.5	112.5



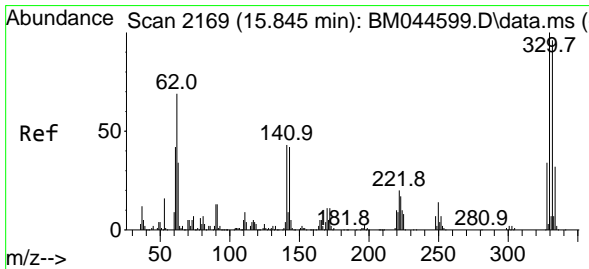
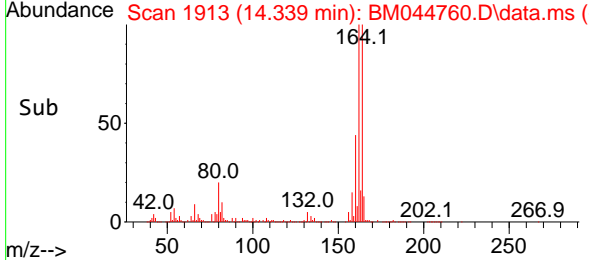
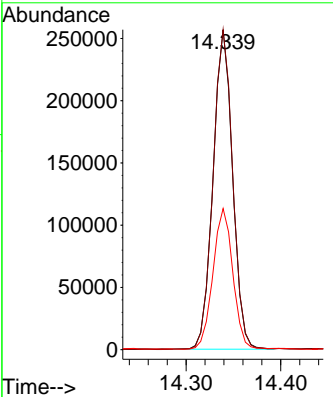
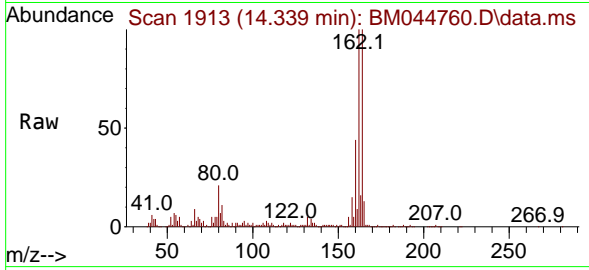


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.339 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Instrument : BNA_M
 ClientSampleId : EO-01-03222024-A

Tgt Ion:164 Resp: 367684

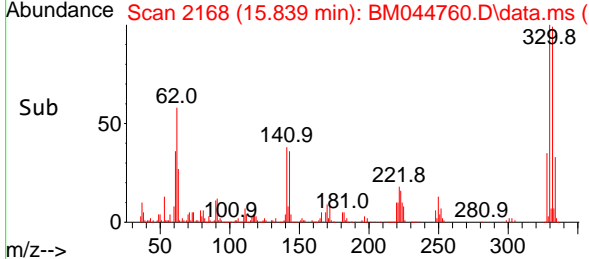
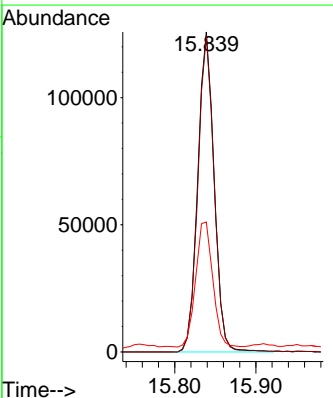
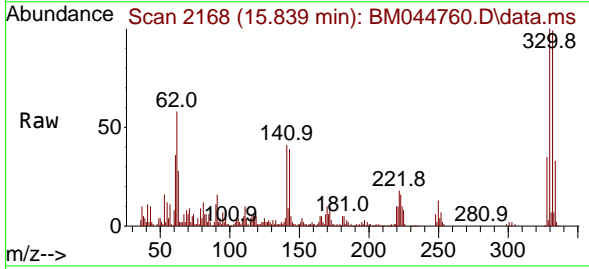
Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.3	118.9
160	44.1	35.2	52.8

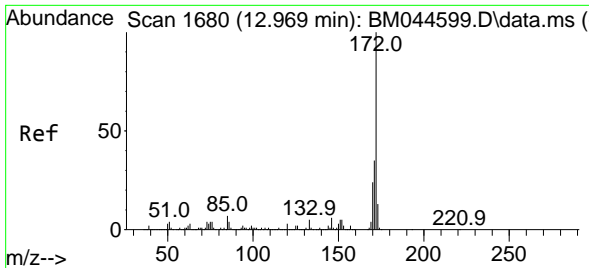


#42
 2,4,6-Tribromophenol
 Concen: 43.430 ng
 RT: 15.839 min Scan# 2168
 Delta R.T. -0.006 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Tgt Ion:330 Resp: 176126

Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.8	116.8
141	41.9	33.4	50.0

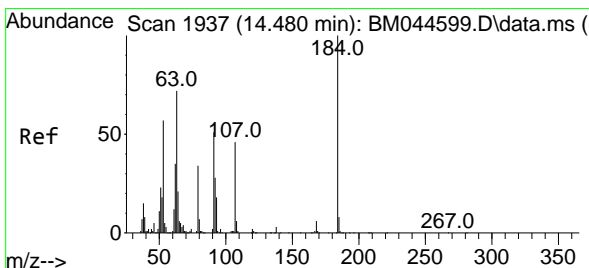
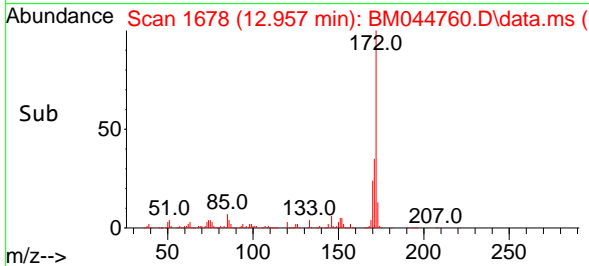
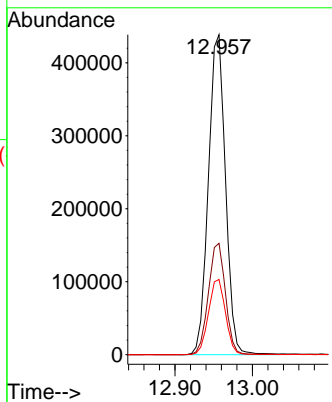
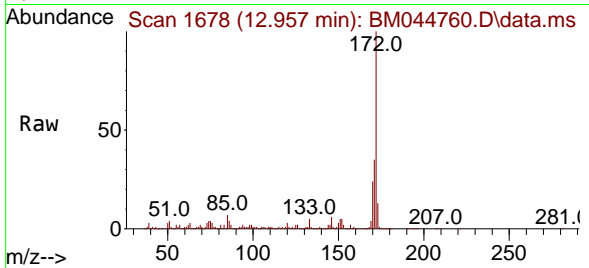




#45
 2-Fluorobiphenyl
 Concen: 25.192 ng
 RT: 12.957 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

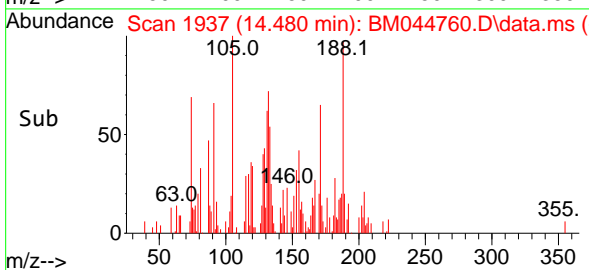
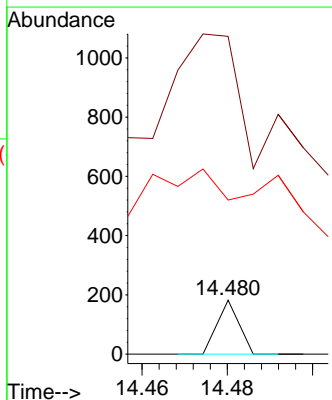
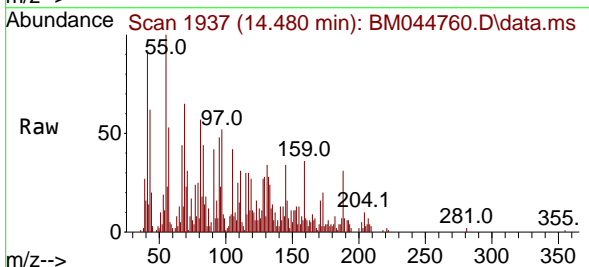
Instrument :
 BNA_M
 ClientSampleId :
 EO-01-03222024-A

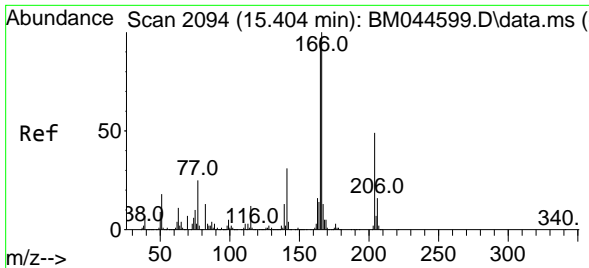
Tgt Ion	Resp	Lower	Upper
172	100		
171	34.8	28.2	42.2
170	23.5	19.0	28.6



#54
 2,4-Dinitrophenol
 Concen: 4.525 ng
 RT: 14.480 min Scan# 1937
 Delta R.T. 0.000 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Tgt Ion	Resp	Lower	Upper
184	100		
63	589.6	62.2	93.2#
154	285.7	47.9	71.9#

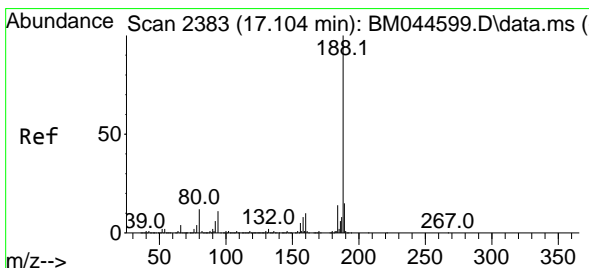
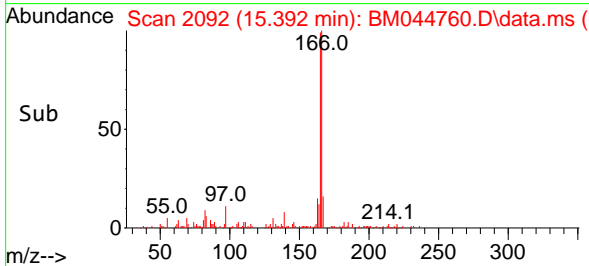
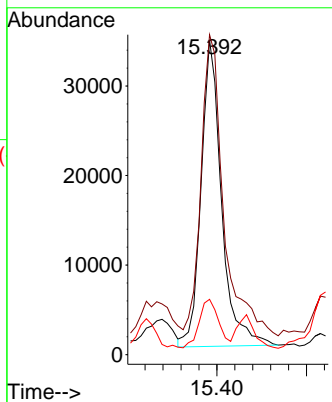
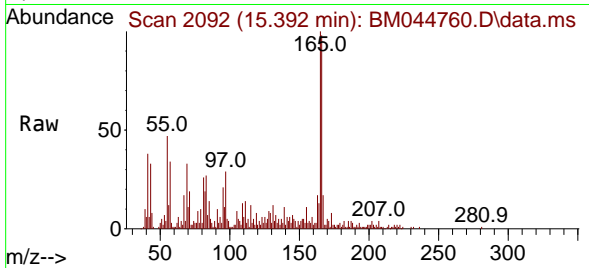




#58
 Fluorene
 Concen: 2.092 ng
 RT: 15.392 min Scan# 2092
 Delta R.T. -0.012 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

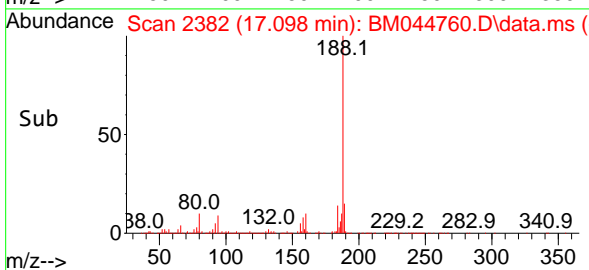
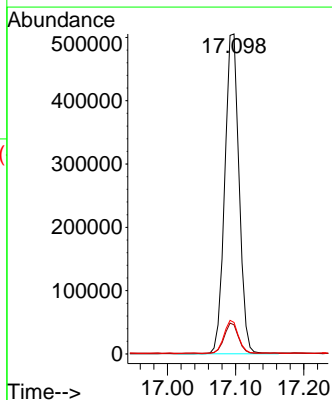
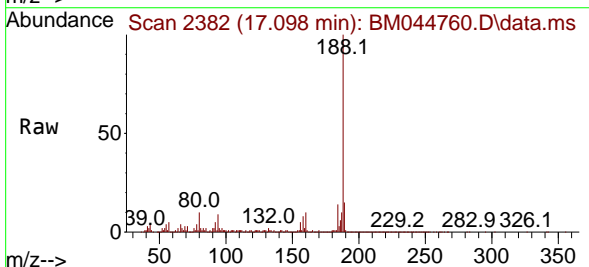
Instrument : BNA_M
 ClientSampleId : EO-01-03222024-A

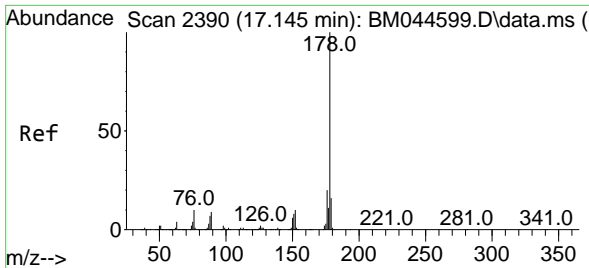
Tgt Ion	Resp	Lower	Upper
166	54145	100	100
165	101.7	77.7	116.5
167	17.6	10.8	16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.098 min Scan# 2382
 Delta R.T. -0.006 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Tgt Ion	Resp	Lower	Upper
188	737449	100	100
94	9.1	8.4	12.6
80	9.9	9.4	14.0



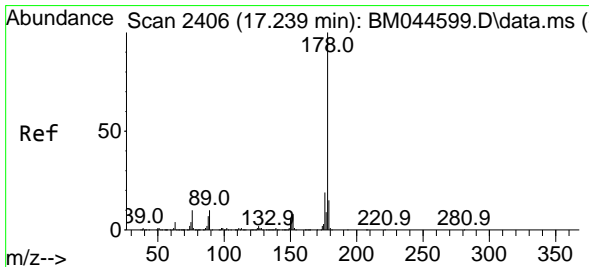
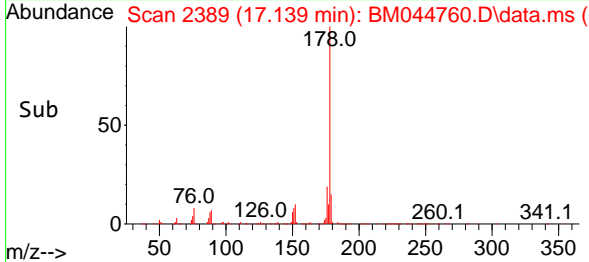
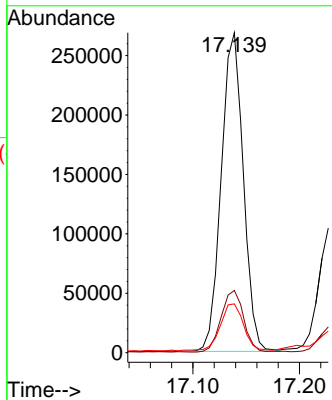
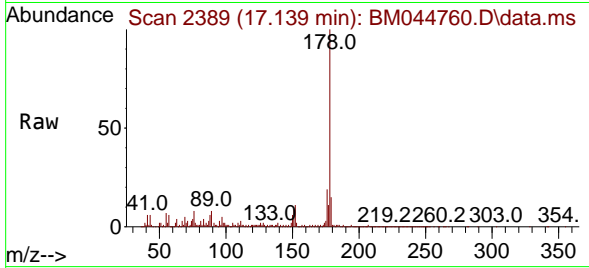


#71
 Phenanthrene
 Concen: 9.459 ng
 RT: 17.139 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Instrument : BNA_M
 ClientSampleId : EO-01-03222024-A

Tgt Ion:178 Resp: 385464

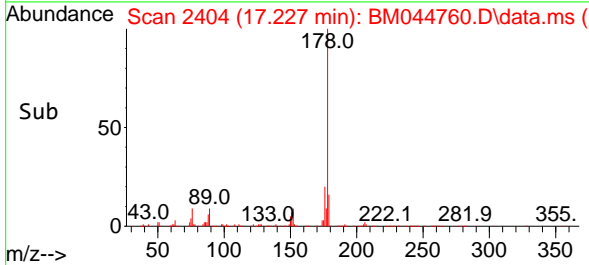
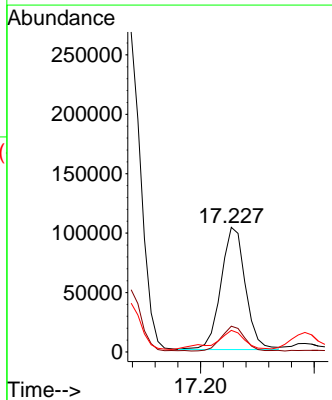
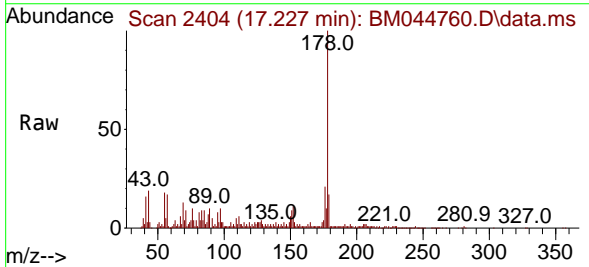
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.2	12.4	18.6

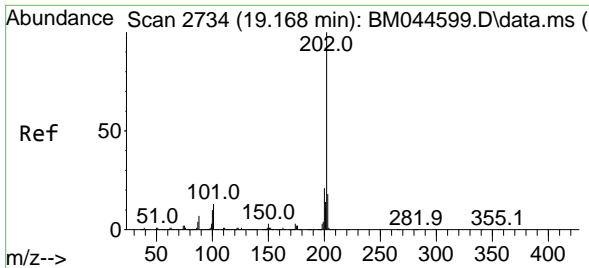


#72
 Anthracene
 Concen: 3.763 ng
 RT: 17.227 min Scan# 2404
 Delta R.T. -0.012 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Tgt Ion:178 Resp: 153807

Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.3	22.9
179	17.3	12.2	18.4

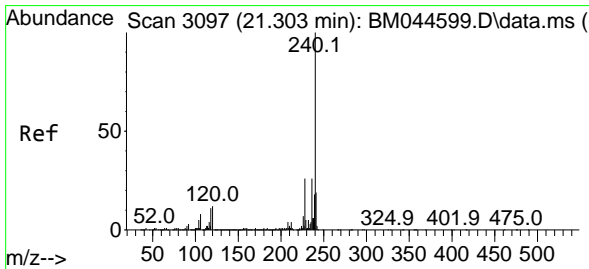
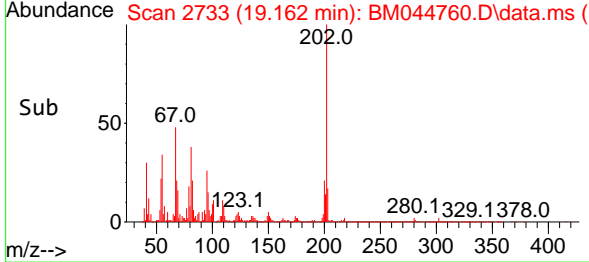
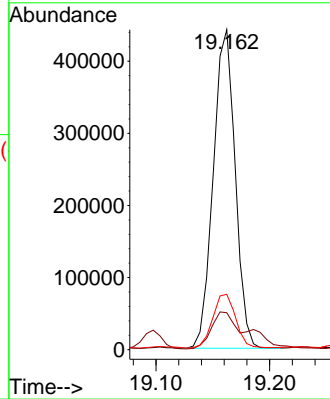
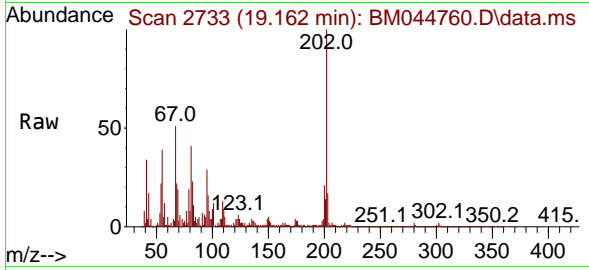




#75
 Fluoranthene
 Concen: 13.024 ng
 RT: 19.162 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

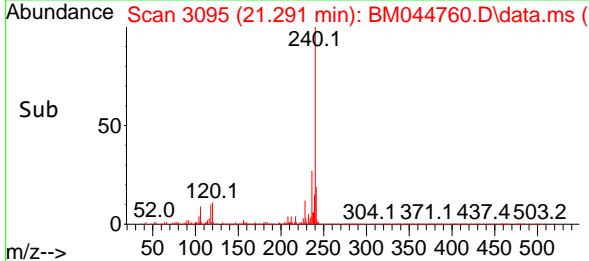
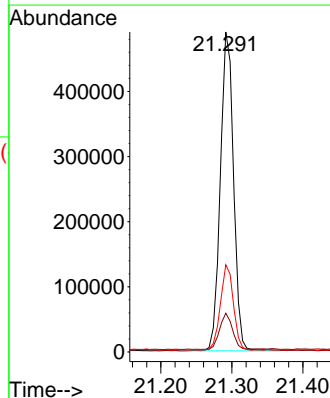
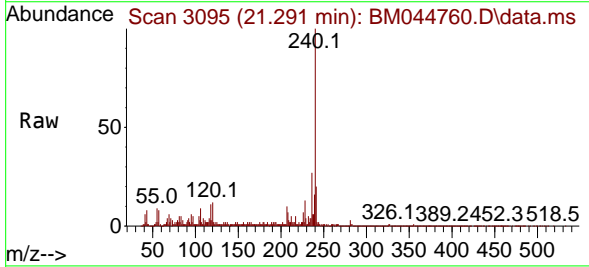
Instrument :
 BNA_M
 ClientSampleId :
 EO-01-03222024-A

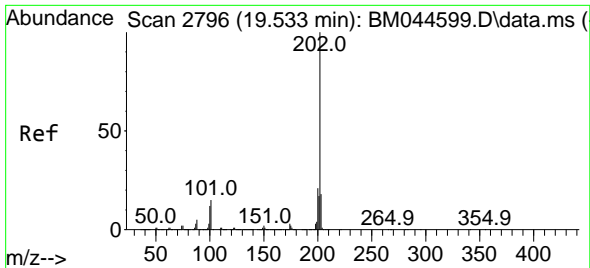
Tgt Ion	Resp	Lower	Upper
202	593335		
101	11.6	0.0	33.3
203	17.3	0.0	37.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.291 min Scan# 3095
 Delta R.T. -0.012 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Tgt Ion	Resp	Lower	Upper
240	628210		
120	12.1	9.7	14.5
236	27.3	21.0	31.4

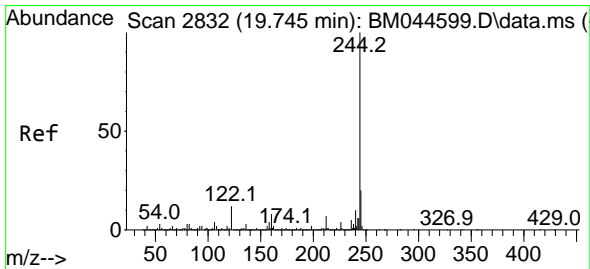
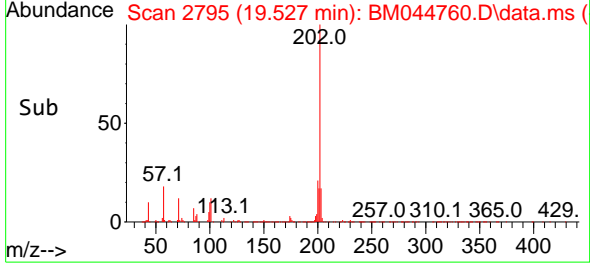
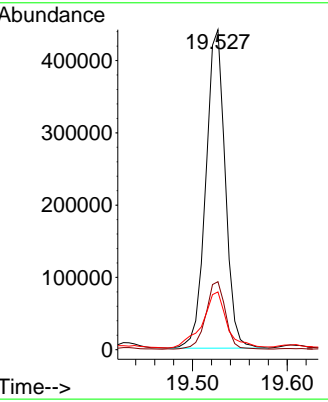
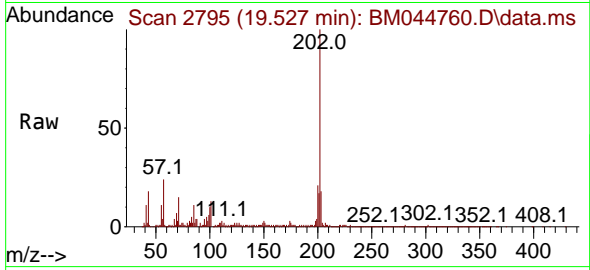




#78
 Pyrene
 Concen: 13.618 ng
 RT: 19.527 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

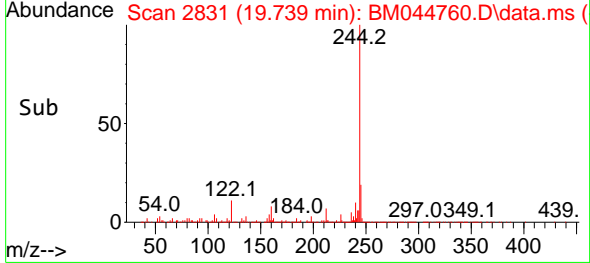
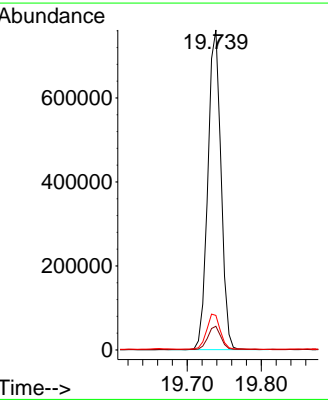
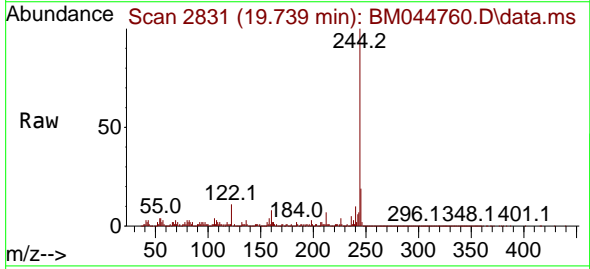
Instrument :
 BNA_M
 ClientSampleId :
 EO-01-03222024-A

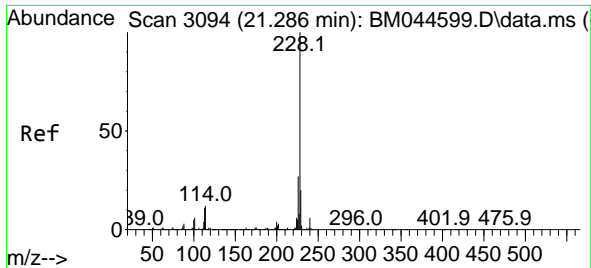
Tgt Ion	Resp	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	18.0	14.1	21.1



#79
 Terphenyl-d14
 Concen: 26.095 ng
 RT: 19.739 min Scan# 2831
 Delta R.T. -0.006 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Tgt Ion	Resp	Lower	Upper
244	100		
212	7.4	5.5	8.3
122	10.8	9.7	14.5



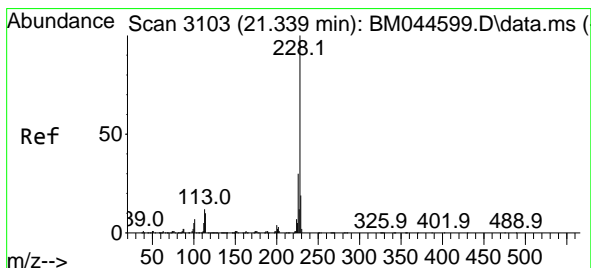
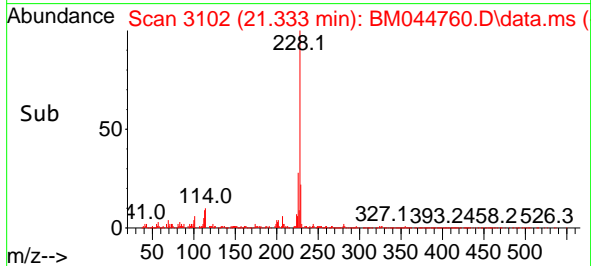
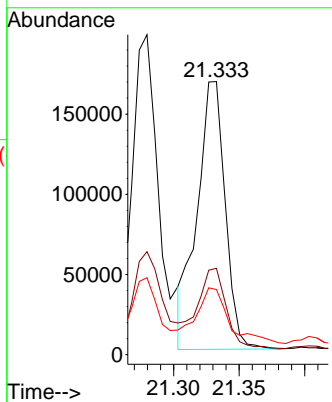
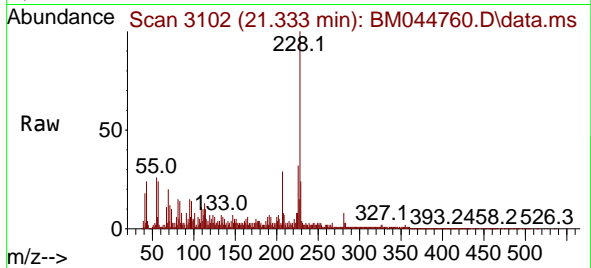


#81
 Benzo(a)anthracene
 Concen: 5.741 ng
 RT: 21.333 min Scan# 3102
 Delta R.T. 0.047 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-03222024-A

Tgt Ion:228 Resp: 250949

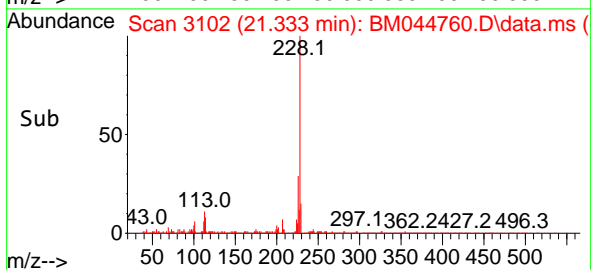
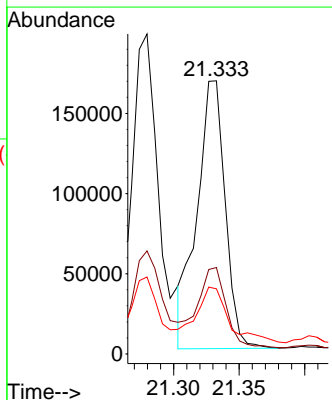
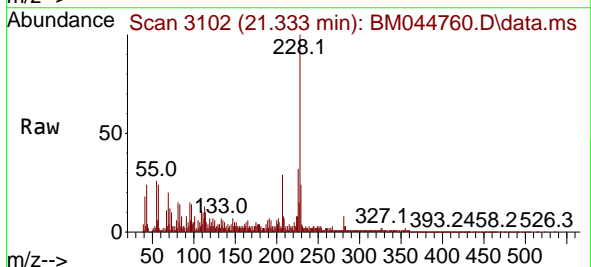
Ion	Ratio	Lower	Upper
228	100		
226	31.6	21.9	32.9
229	23.9	15.9	23.9

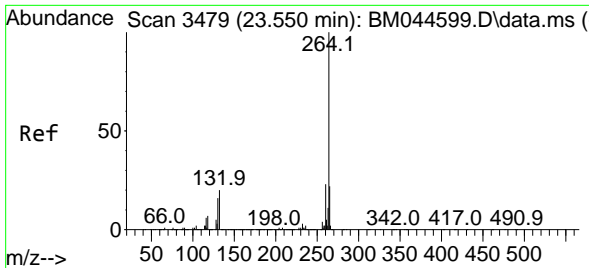


#83
 Chrysene
 Concen: 6.008 ng
 RT: 21.333 min Scan# 3102
 Delta R.T. -0.006 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Tgt Ion:228 Resp: 250949

Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.6	35.4
229	23.9	15.5	23.3#



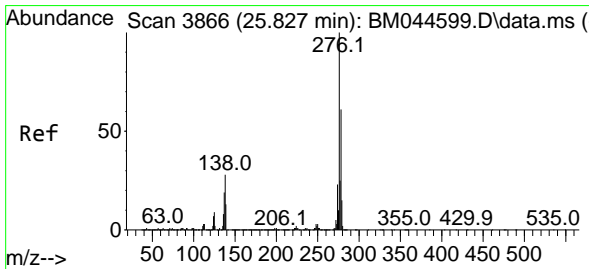
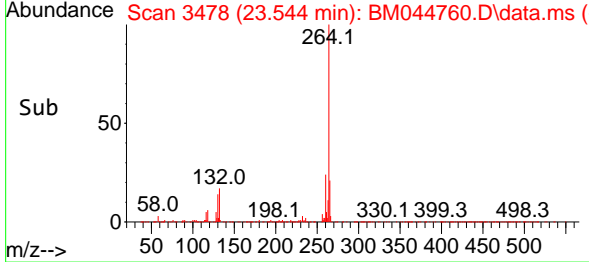
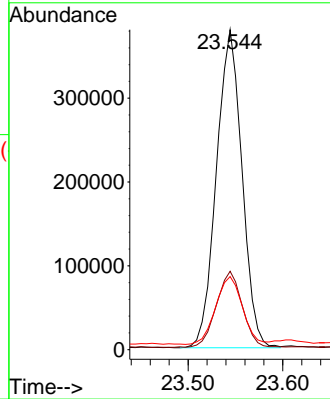
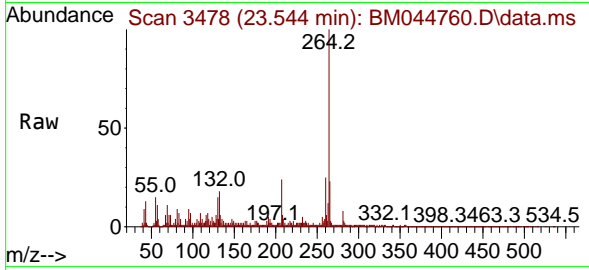


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.544 min Scan# 3479
 Delta R.T. -0.006 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-03222024-A

Tgt Ion:264 Resp: 712037

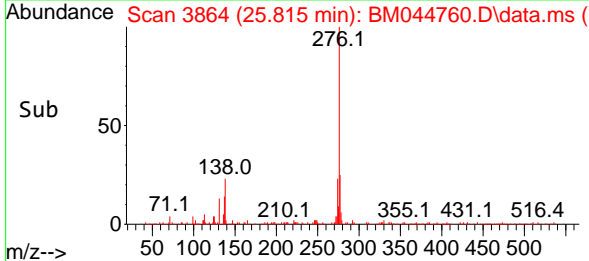
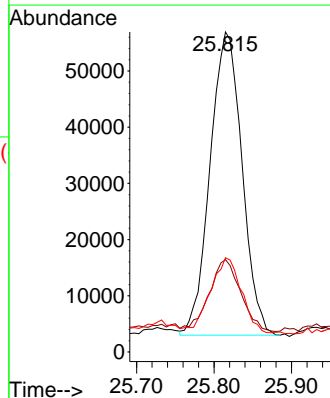
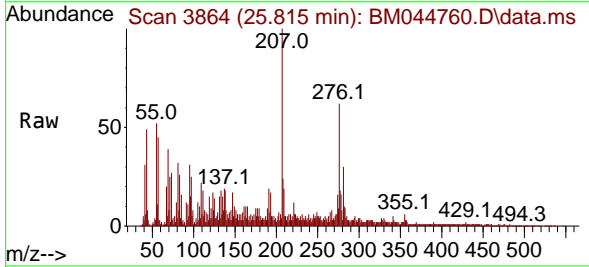
Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.3	27.5
265	22.9	17.5	26.3

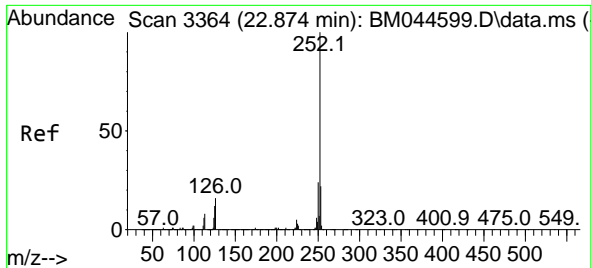


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.004 ng
 RT: 25.815 min Scan# 3864
 Delta R.T. -0.012 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Tgt Ion:276 Resp: 154644

Ion	Ratio	Lower	Upper
276	100		
138	23.4	23.6	35.4#
277	23.8	20.2	30.2

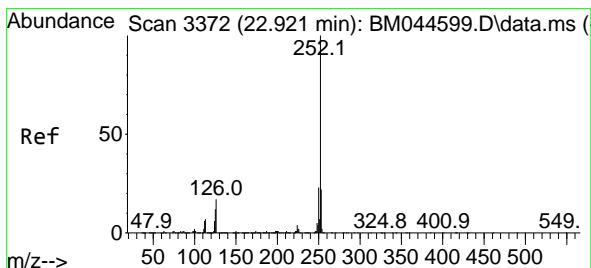
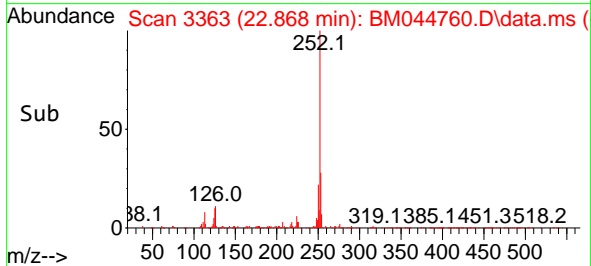
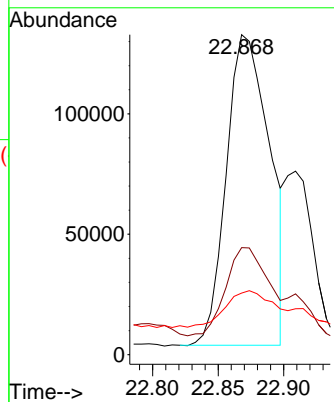
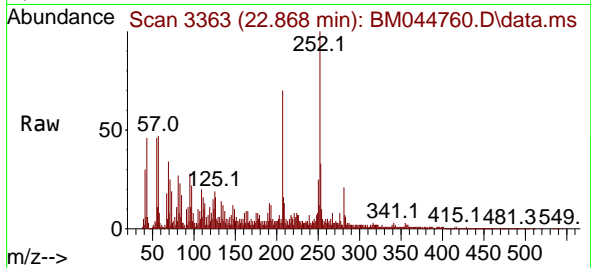




#88
 Benzo(b)fluoranthene
 Concen: 7.082 ng
 RT: 22.868 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

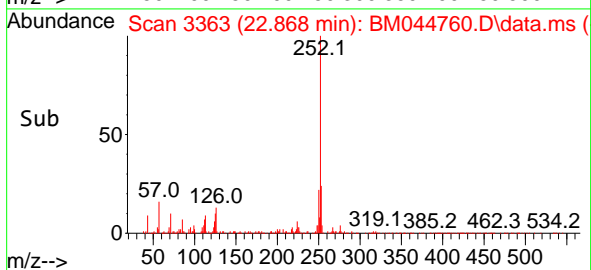
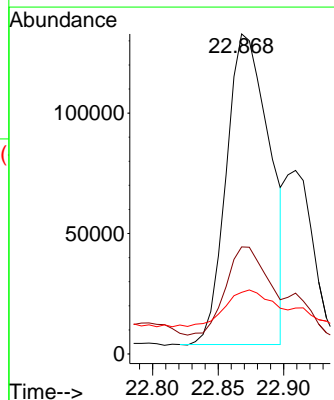
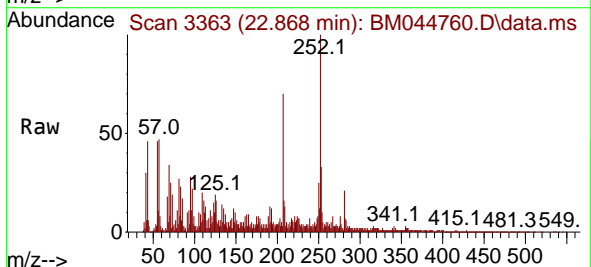
Instrument :
 BNA_M
 ClientSampleId :
 EO-01-03222024-A

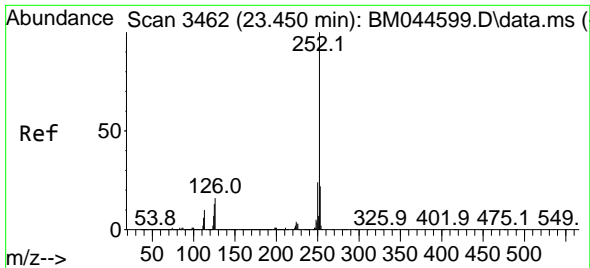
Tgt Ion:252 Resp: 296337
 Ion Ratio Lower Upper
 252 100
 253 33.5 17.8 26.8#
 125 19.3 9.6 14.4#



#89
 Benzo(k)fluoranthene
 Concen: 6.889 ng
 RT: 22.868 min Scan# 3363
 Delta R.T. -0.053 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Tgt Ion:252 Resp: 296337
 Ion Ratio Lower Upper
 252 100
 253 33.5 17.6 26.4#
 125 19.3 9.4 14.0#



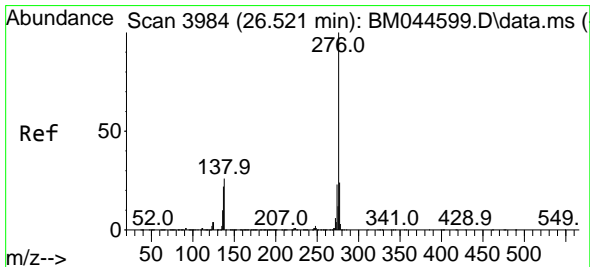
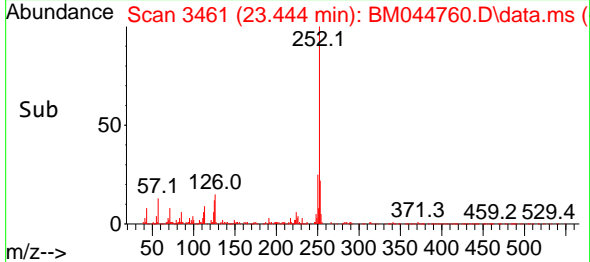
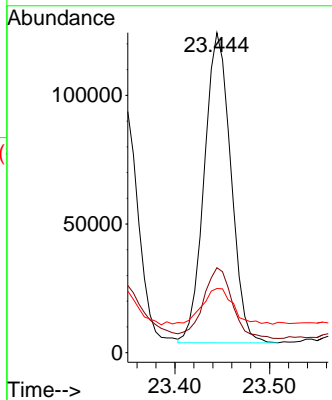
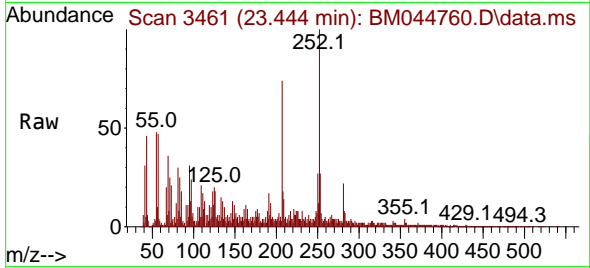


#90
 Benzo(a)pyrene
 Concen: 5.749 ng
 RT: 23.444 min Scan# 34
 Delta R.T. -0.006 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-03222024-A

Tgt Ion:252 Resp: 234625

Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.7	26.5#
125	20.1	10.5	15.7#



#92
 Benzo(g,h,i)perylene
 Concen: 3.958 ng
 RT: 26.509 min Scan# 3982
 Delta R.T. -0.012 min
 Lab File: BM044760.D
 Acq: 25 Mar 2024 17:47

Tgt Ion:276 Resp: 169062

Ion	Ratio	Lower	Upper
276	100		
277	30.1	19.3	28.9#
138	26.1	20.7	31.1

