

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
 Data File : BP021614.D
 Acq On : 22 Aug 2024 15:04
 Operator : RC/JU
 Sample : P3671-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S-904-J-SO-0-0.5-081924

Quant Time: Aug 22 16:02:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 11:12:31 2024
 Response via : Initial Calibration

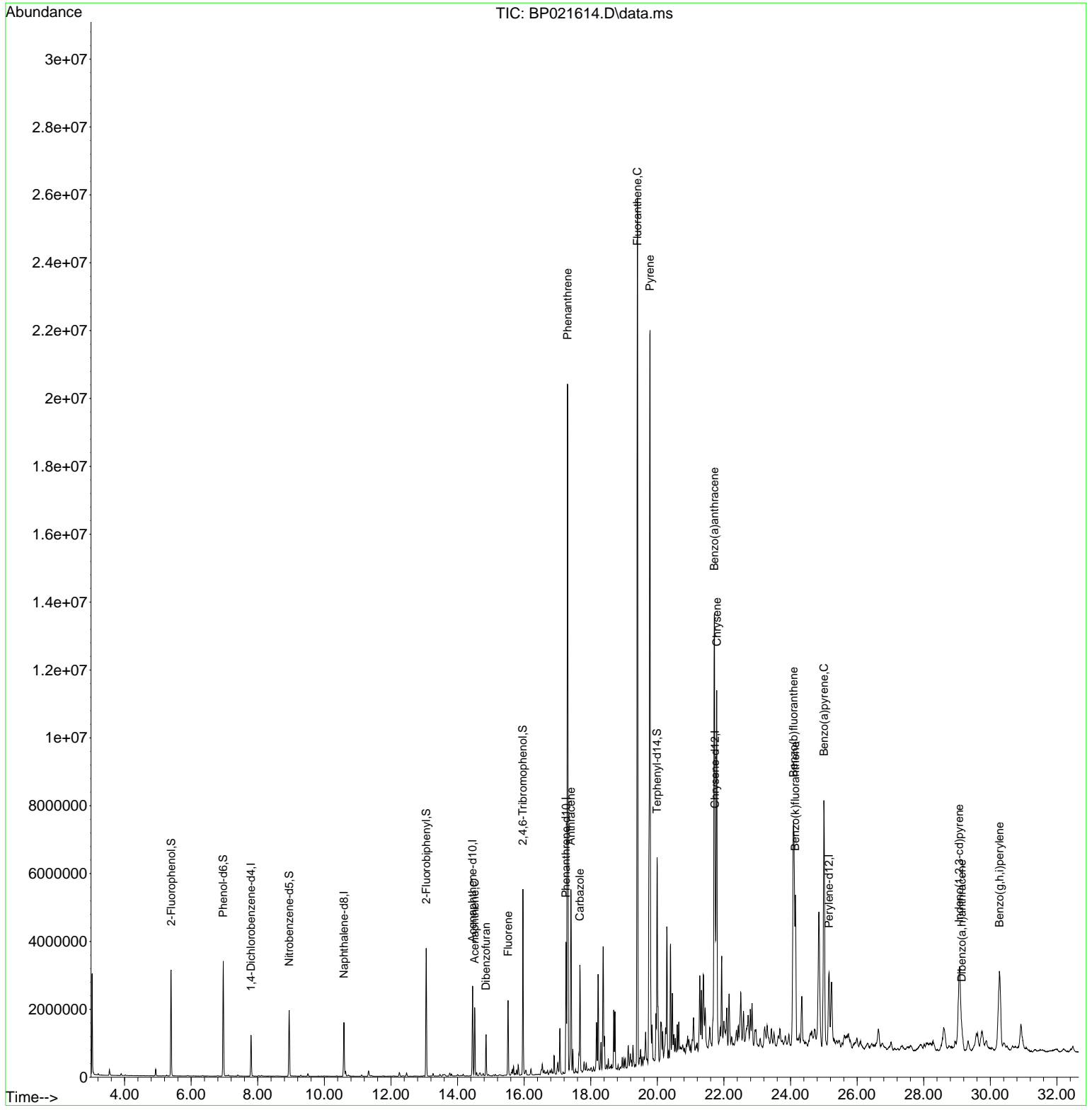
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.799	152	316478	20.000	ng	0.00	
21) Naphthalene-d8	10.587	136	1338301	20.000	ng	0.00	
39) Acenaphthene-d10	14.451	164	940435	20.000	ng	0.00	
64) Phenanthrene-d10	17.257	188	2172341	20.000	ng	0.00	
76) Chrysene-d12	21.733	240	1951332	20.000	ng	0.02	
86) Perylene-d12	25.156	264	2313524	20.000	ng	0.00	
System Monitoring Compounds							
5) 2-Fluorophenol	5.399	112	1444728	67.784	ng	0.00	
7) Phenol-d6	6.963	99	2131740	68.563	ng	0.00	
23) Nitrobenzene-d5	8.946	82	1265971	48.825	ng	0.00	
42) 2,4,6-Tribromophenol	15.963	330	873739	83.478	ng	0.00	
45) 2-Fluorobiphenyl	13.057	172	2000009	32.457	ng	0.00	
79) Terphenyl-d14	19.992	244	3147380	31.335	ng	0.02	
Target Compounds							
52) Acenaphthene	14.516	154	686277	13.735	ng	100	Qvalue
55) Dibenzofuran	14.857	168	692950	9.015	ng	100	
58) Fluorene	15.516	166	1072641	16.987	ng	98	
71) Phenanthrene	17.304	178	13740803	131.525	ng	98	
72) Anthracene	17.404	178	3889783	37.964	ng	100	
73) Carbazole	17.675	167	1941753	19.665	ng	100	
75) Fluoranthene	19.398	202	16230305	126.615	ng	94	
78) Pyrene	19.774	202	14511086	113.774	ng	95	
81) Benzo(a)anthracene	21.710	228	7924848	64.694	ng	98	
83) Chrysene	21.786	228	7603083	65.739	ng	97	
87) Indeno(1,2,3-cd)pyrene	29.068	276	4951827	33.020	ng	90	#
88) Benzo(b)fluoranthene	24.092	252	9645617	72.594	ng	99	
89) Benzo(k)fluoranthene	24.145	252	3245482m	25.039	ng		
90) Benzo(a)pyrene	25.004	252	6955169	60.319	ng	97	
91) Dibenzo(a,h)anthracene	29.145	278	1168614	9.379	ng	95	
92) Benzo(g,h,i)perylene	30.274	276	4543482	36.380	ng	99	

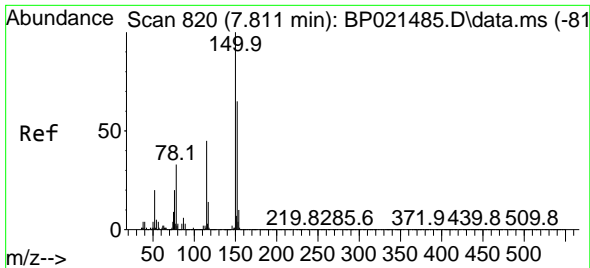
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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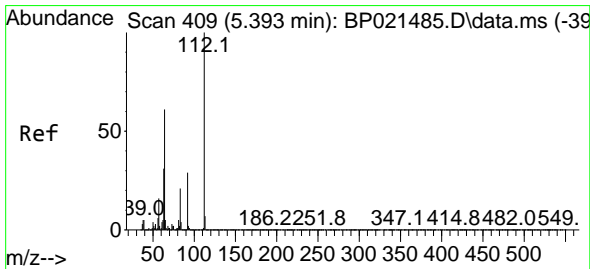
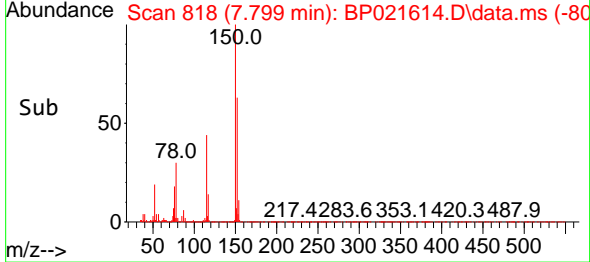
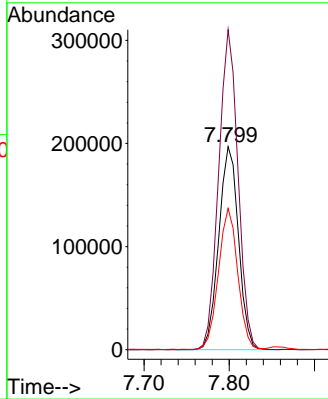
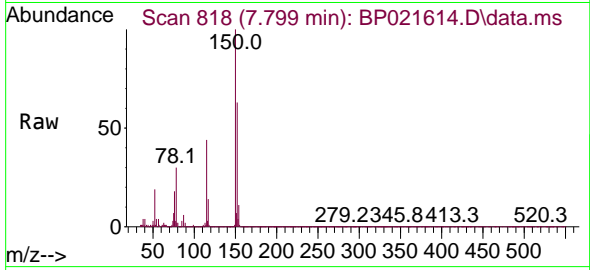


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.799 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Instrument :
 BNA_P
 ClientSampleId :
 S-904-J-SO-0-0.5-081924

Tgt Ion:152 Resp: 316478

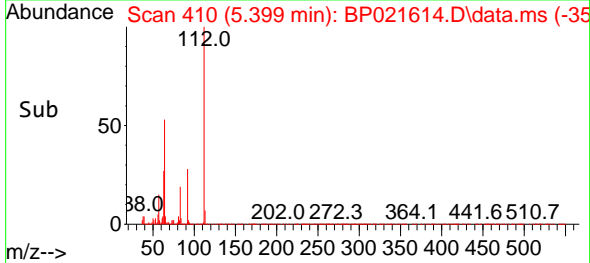
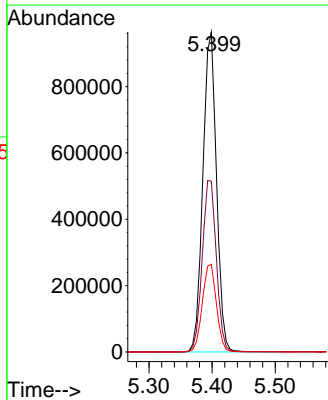
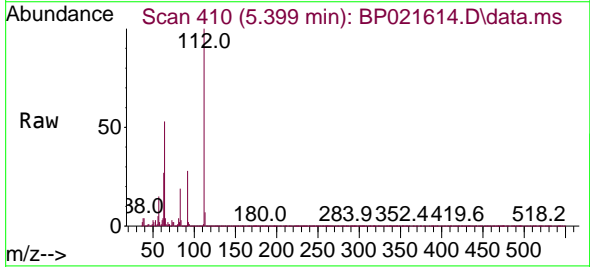
Ion	Ratio	Lower	Upper
152	100		
150	157.6	122.4	183.6
115	69.6	54.7	82.1

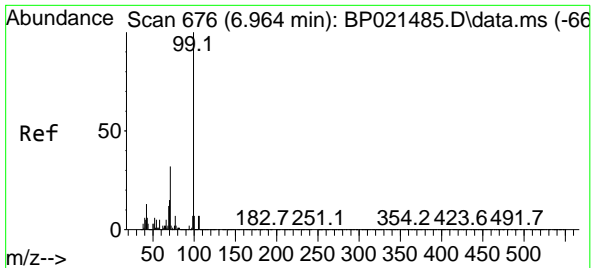


#5
 2-Fluorophenol
 Concen: 67.784 ng
 RT: 5.399 min Scan# 410
 Delta R.T. -0.000 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Tgt Ion:112 Resp: 1444728

Ion	Ratio	Lower	Upper
112	100		
64	53.4	49.0	73.6
63	27.4	24.6	36.8



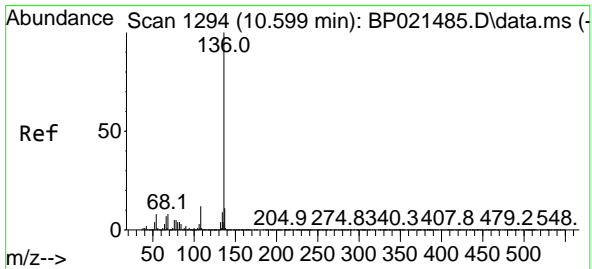
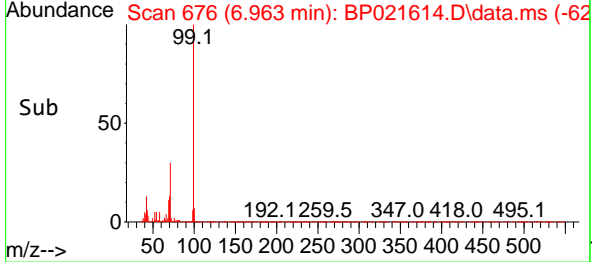
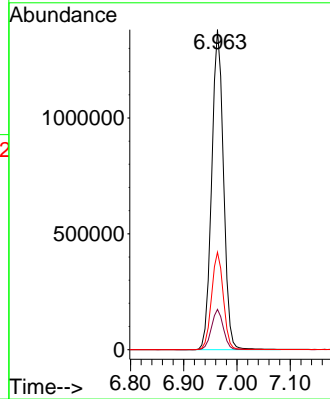
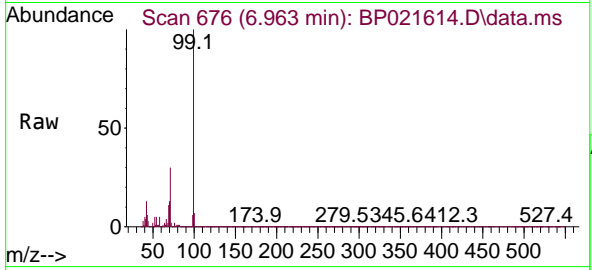


#7
 Phenol-d6
 Concen: 68.563 ng
 RT: 6.963 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Instrument :
 BNA_P
 ClientSampleId :
 S-904-J-SO-0-0.5-081924

Tgt Ion: 99 Resp: 2131740

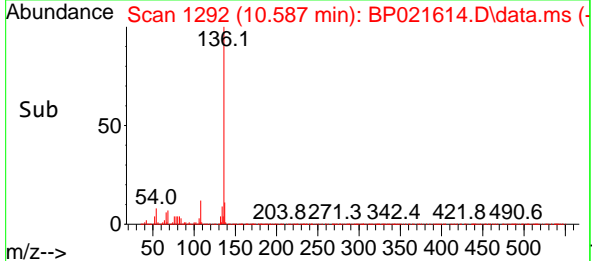
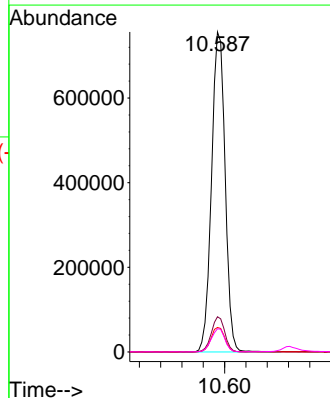
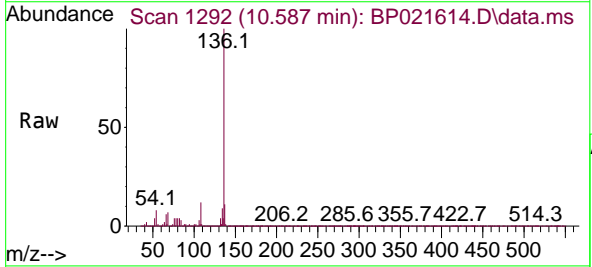
Ion	Ratio	Lower	Upper
99	100		
42	12.6	10.2	15.4
71	30.5	25.8	38.8

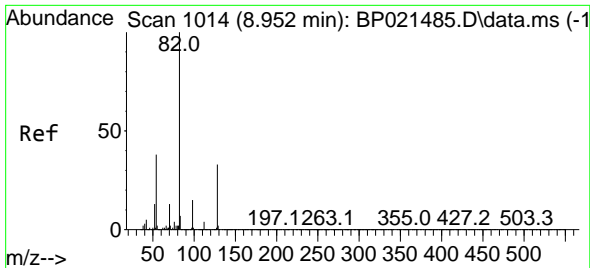


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.587 min Scan# 1292
 Delta R.T. -0.000 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Tgt Ion: 136 Resp: 1338301

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.7	6.3	9.5
68	7.3	6.8	10.2



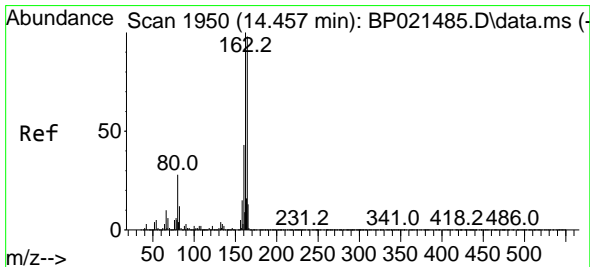
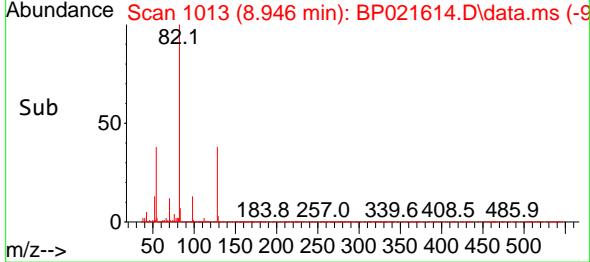
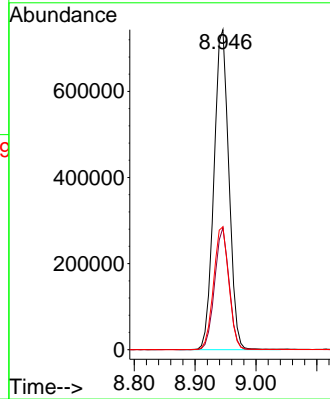
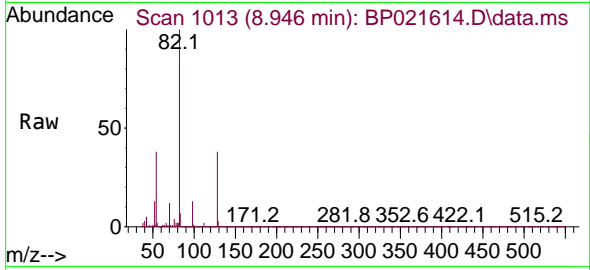


#23
 Nitrobenzene-d5
 Concen: 48.825 ng
 RT: 8.946 min Scan# 1014
 Delta R.T. -0.000 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Instrument :
 BNA_P
 ClientSampleId :
 S-904-J-SO-0-0.5-081924

Tgt Ion: 82 Resp: 1265971

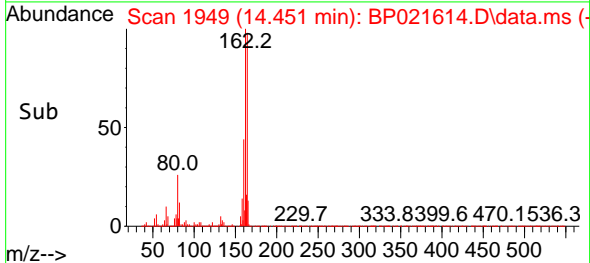
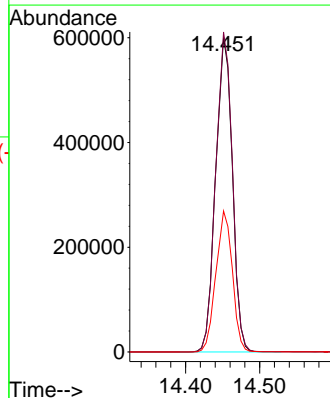
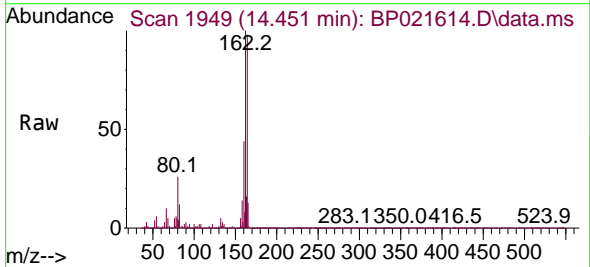
Ion	Ratio	Lower	Upper
82	100		
128	38.1	26.5	39.7
54	38.4	30.3	45.5

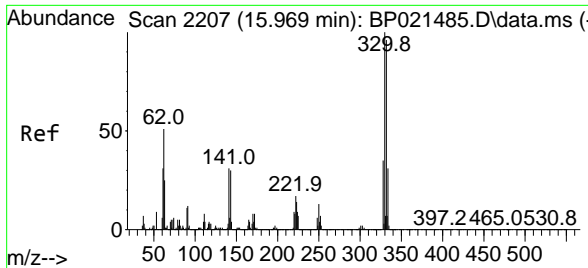


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.451 min Scan# 1949
 Delta R.T. 0.006 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Tgt Ion: 164 Resp: 940435

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.5	122.3
160	44.7	35.2	52.8



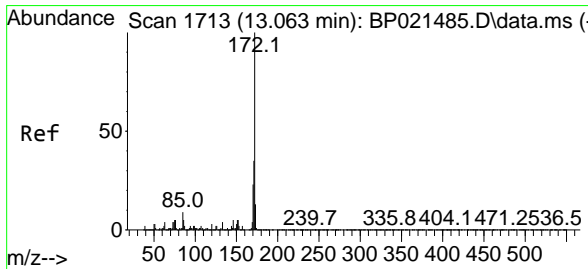
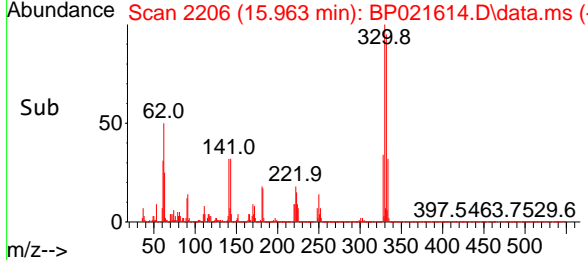
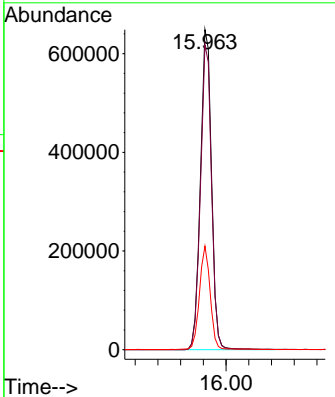
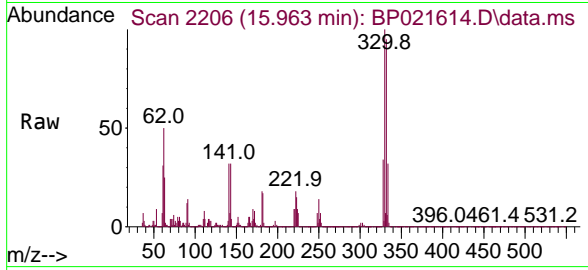


#42
 2,4,6-Tribromophenol
 Concen: 83.478 ng
 RT: 15.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Instrument : BNA_P
 ClientSampleId : S-904-J-SO-0-0.5-081924

Tgt Ion:330 Resp: 873739

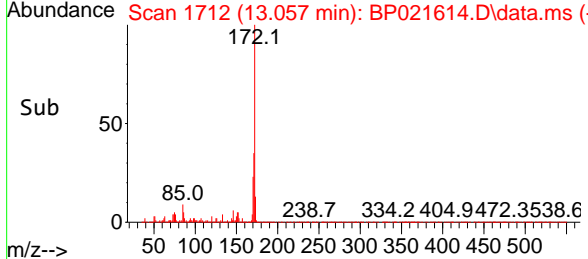
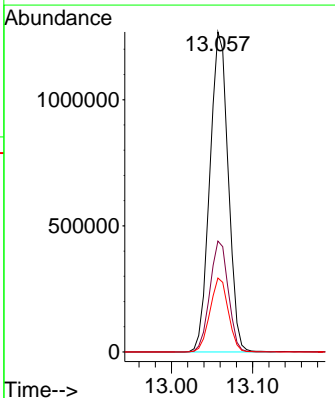
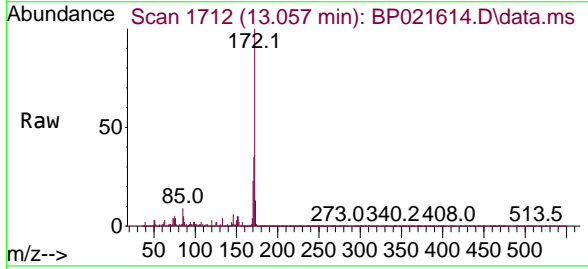
Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.4	116.0
141	31.4	24.5	36.7

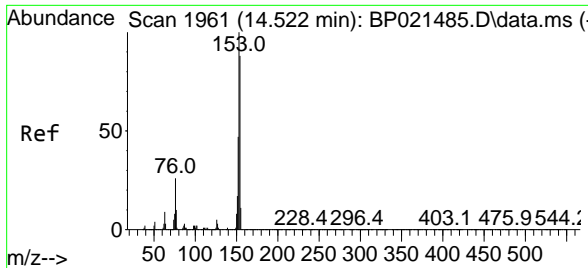


#45
 2-Fluorobiphenyl
 Concen: 32.457 ng
 RT: 13.057 min Scan# 1712
 Delta R.T. 0.006 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Tgt Ion:172 Resp: 2000009

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.2	42.4
170	23.1	18.4	27.6

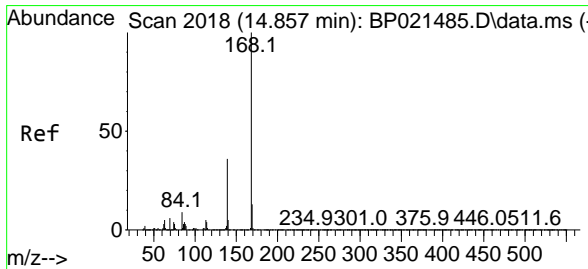
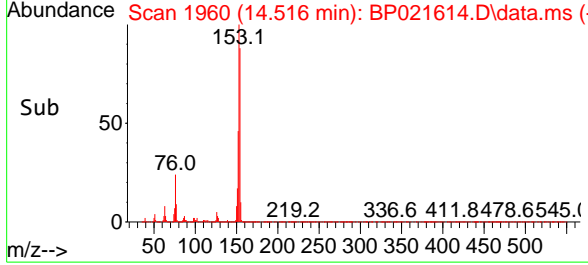
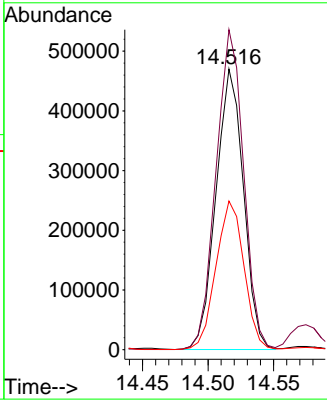
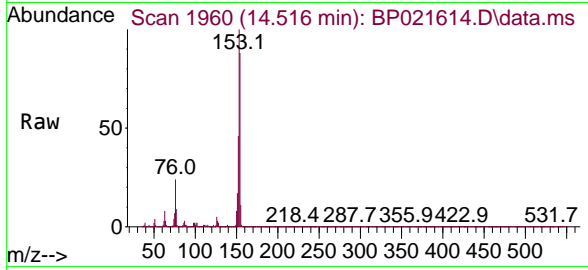




#52
 Acenaphthene
 Concen: 13.735 ng
 RT: 14.516 min Scan# 1960
 Delta R.T. 0.006 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

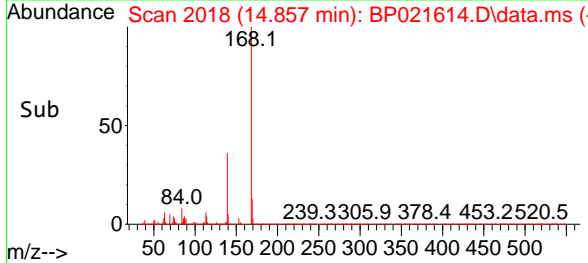
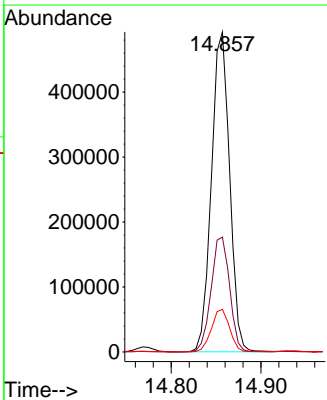
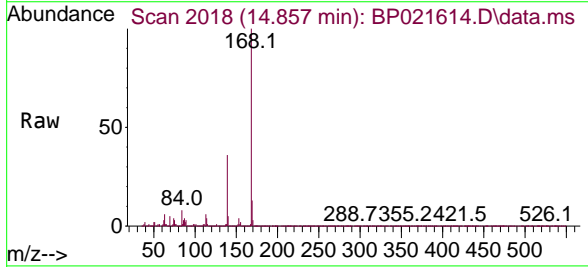
Instrument : BNA_P
 ClientSampleId : S-904-J-SO-0-0.5-081924

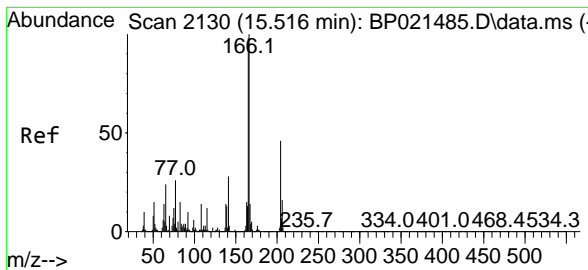
Tgt Ion	Resp	Lower	Upper
154	686277		
153	114.0	91.1	136.7
152	52.9	43.0	64.4



#55
 Dibenzofuran
 Concen: 9.015 ng
 RT: 14.857 min Scan# 2018
 Delta R.T. 0.012 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Tgt Ion	Resp	Lower	Upper
168	692950		
139	35.9	28.6	43.0
169	13.3	10.6	16.0



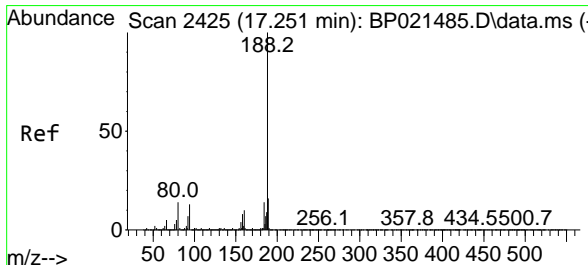
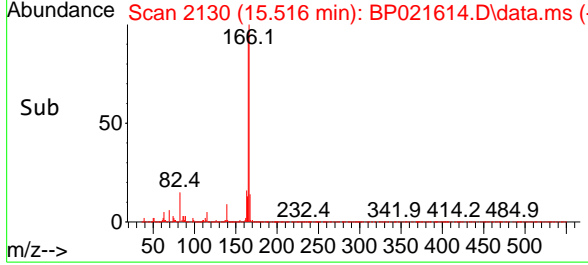
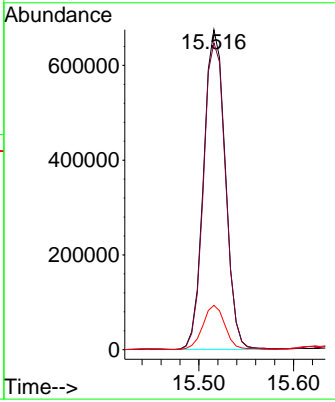
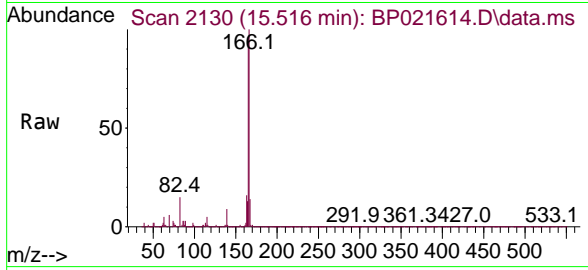


#58
 Fluorene
 Concen: 16.987 ng
 RT: 15.516 min Scan# 2130
 Delta R.T. 0.012 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Instrument : BNA_P
 ClientSampleId : S-904-J-SO-0-0.5-081924

Tgt Ion:166 Resp: 1072641

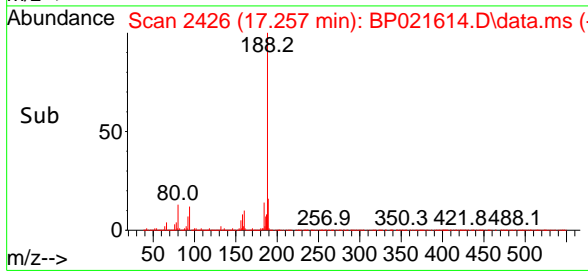
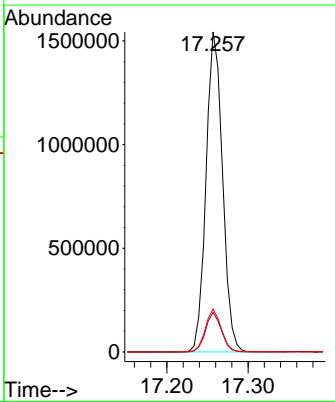
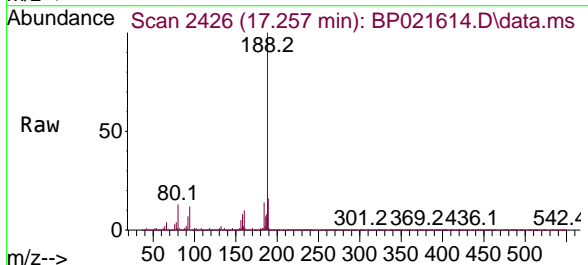
Ion	Ratio	Lower	Upper
166	100		
165	95.9	78.1	117.1
167	13.9	11.0	16.4

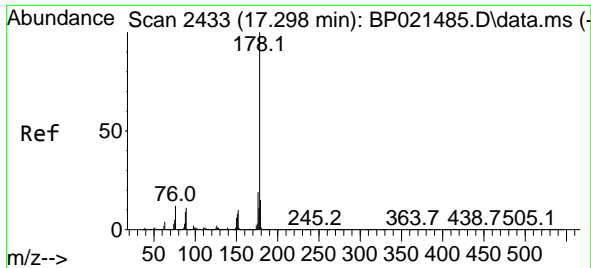


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.257 min Scan# 2426
 Delta R.T. 0.006 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Tgt Ion:188 Resp: 2172341

Ion	Ratio	Lower	Upper
188	100		
94	12.4	10.2	15.4
80	13.4	11.6	17.4



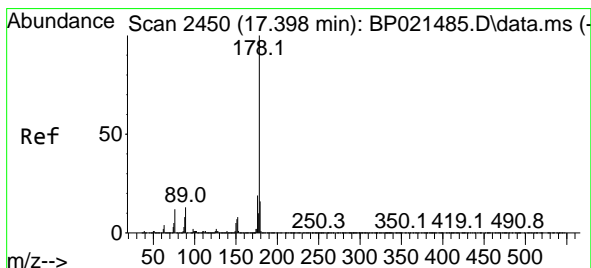
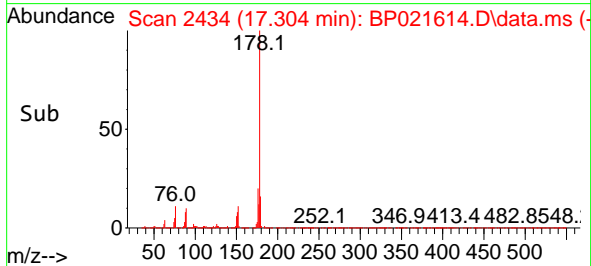
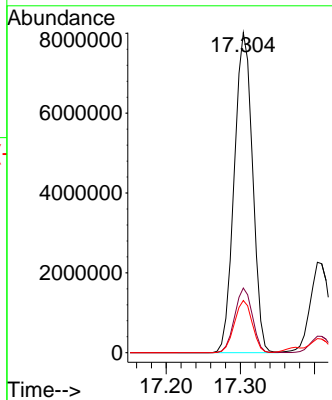
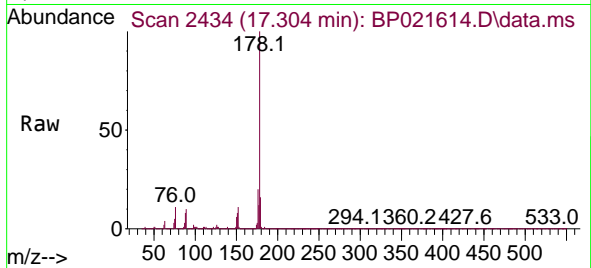


#71
 Phenanthrene
 Concen: 131.525 ng
 RT: 17.304 min Scan# 2434
 Delta R.T. 0.006 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Instrument :
 BNA_P
 ClientSampleId :
 S-904-J-SO-0-0.5-081924

Tgt Ion:178 Resp:13740803

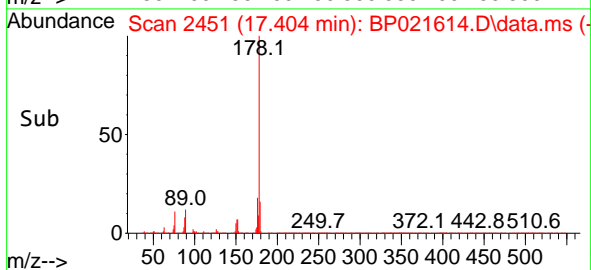
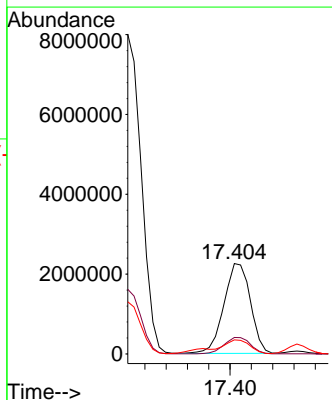
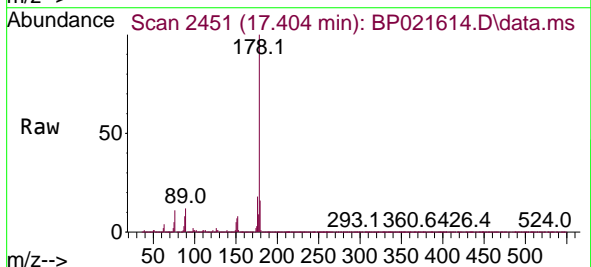
Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.2
179	16.3	12.4	18.6

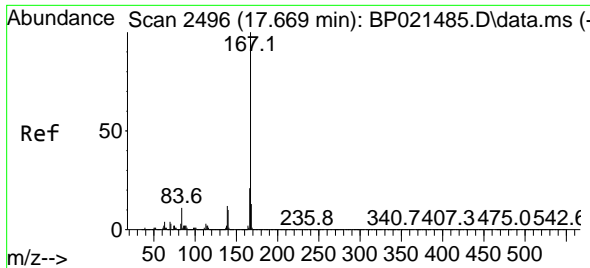


#72
 Anthracene
 Concen: 37.964 ng
 RT: 17.404 min Scan# 2451
 Delta R.T. 0.017 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Tgt Ion:178 Resp: 3889783

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.9	22.3
179	15.7	12.5	18.7



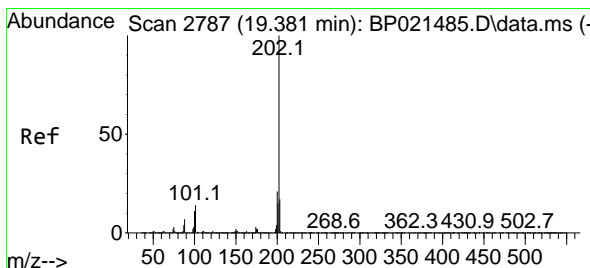
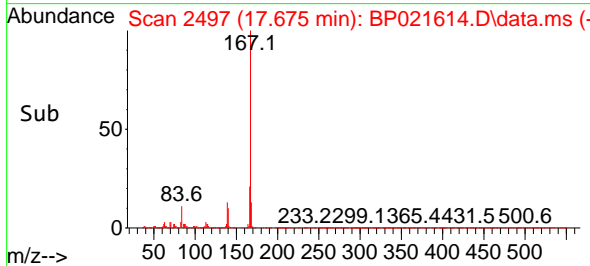
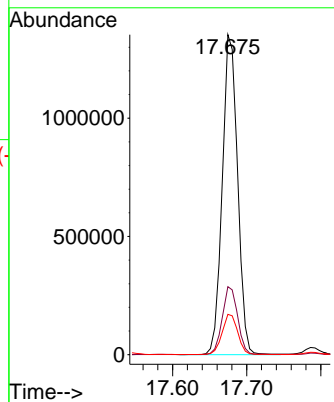
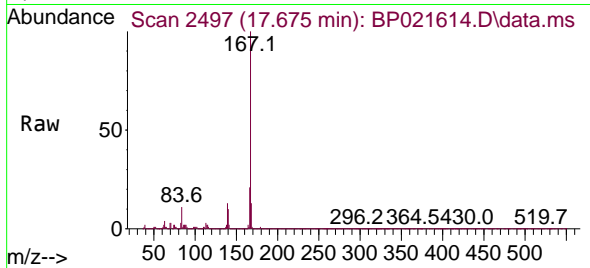


#73
 Carbazole
 Concen: 19.665 ng
 RT: 17.675 min Scan# 2497
 Delta R.T. 0.012 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Instrument : BNA_P
 ClientSampleId : S-904-J-SO-0-0.5-081924

Tgt Ion:167 Resp: 1941753

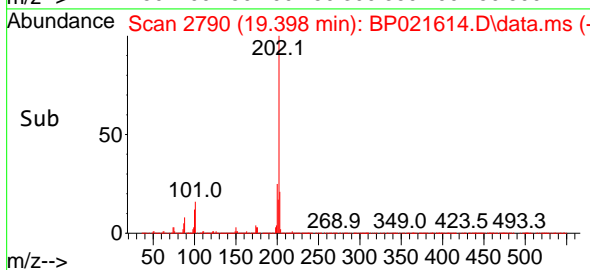
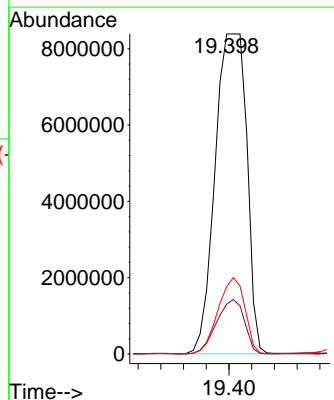
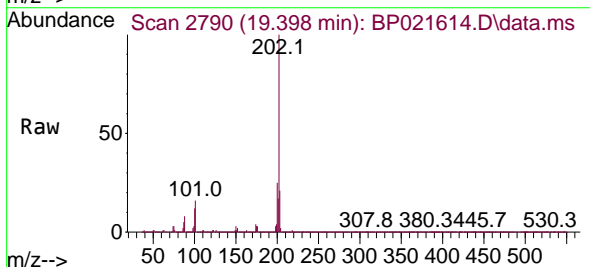
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.6	9.9	14.9

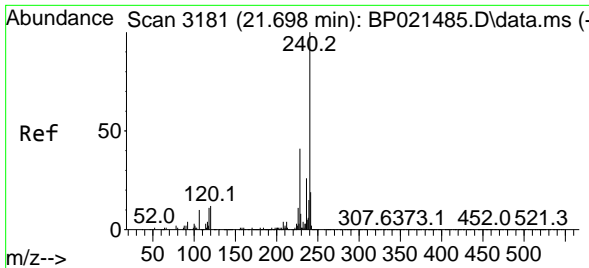


#75
 Fluoranthene
 Concen: 126.615 ng
 RT: 19.398 min Scan# 2790
 Delta R.T. 0.017 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Tgt Ion:202 Resp:16230305

Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	34.0
203	21.0	0.0	37.5



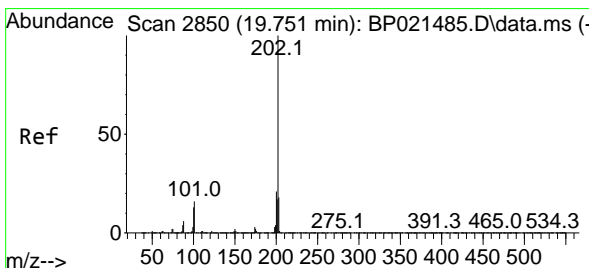
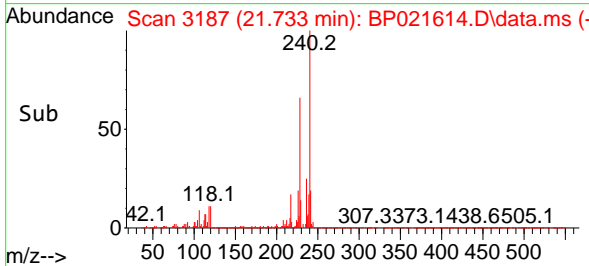
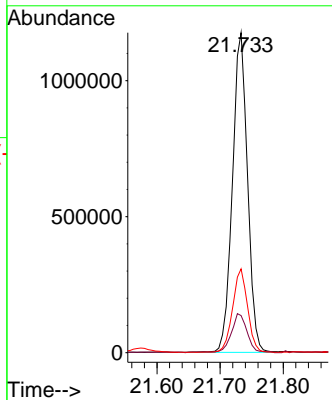
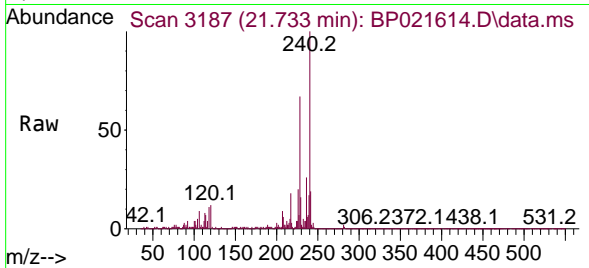


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.733 min Scan# 3181
 Delta R.T. 0.017 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Instrument : BNA_P
 ClientSampleId : S-904-J-SO-0-0.5-081924

Tgt Ion:240 Resp: 1951332

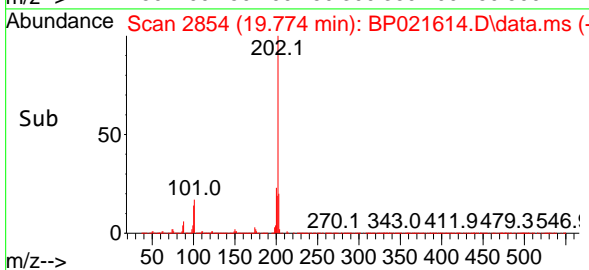
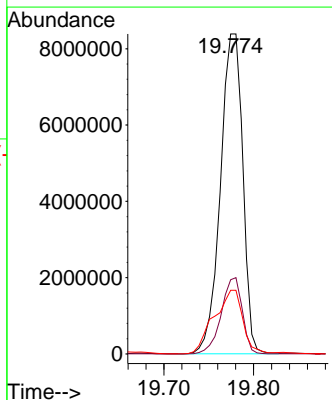
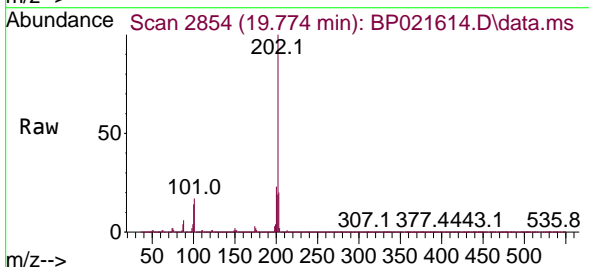
Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.9	14.9
236	26.2	20.6	30.8

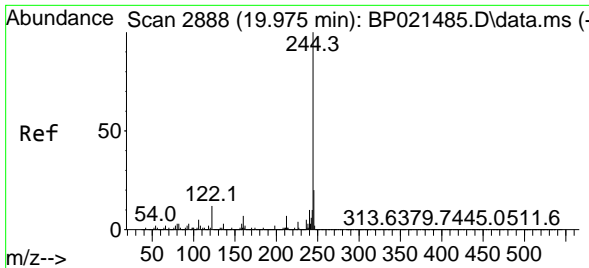


#78
 Pyrene
 Concen: 113.774 ng
 RT: 19.774 min Scan# 2854
 Delta R.T. 0.017 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Tgt Ion:202 Resp:14511086

Ion	Ratio	Lower	Upper
202	100		
200	23.2	16.7	25.1
203	19.9	14.1	21.1



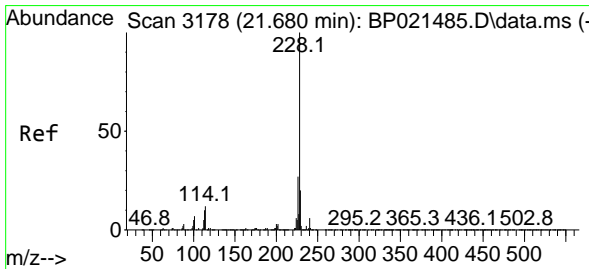
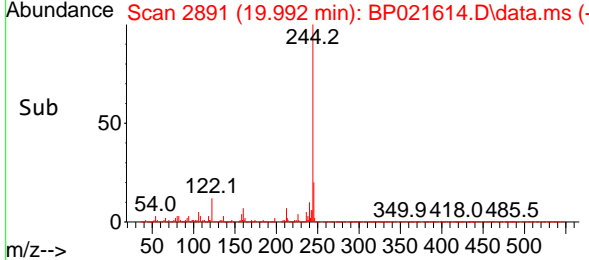
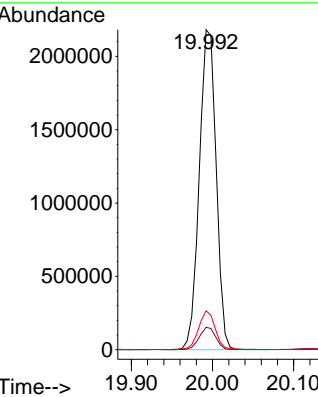
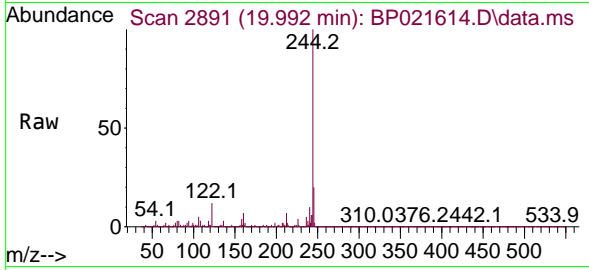


#79
 Terphenyl-d14
 Concen: 31.335 ng
 RT: 19.992 min Scan# 21
 Delta R.T. 0.017 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Instrument : BNA_P
 ClientSampleId : S-904-J-SO-0-0.5-081924

Tgt Ion:244 Resp: 3147380

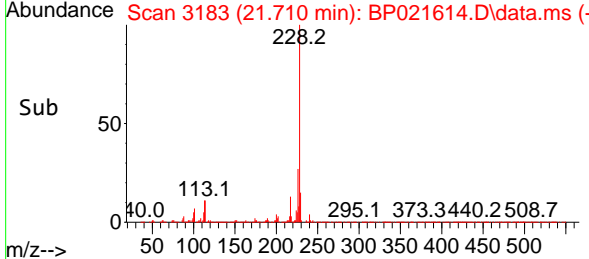
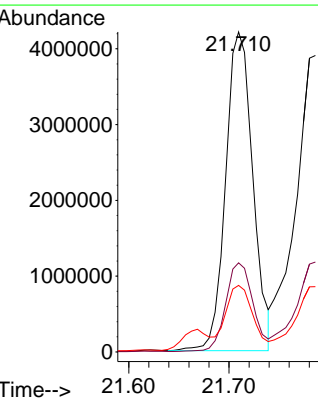
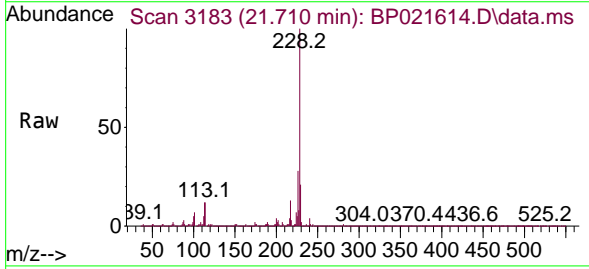
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	12.2	9.4	14.2

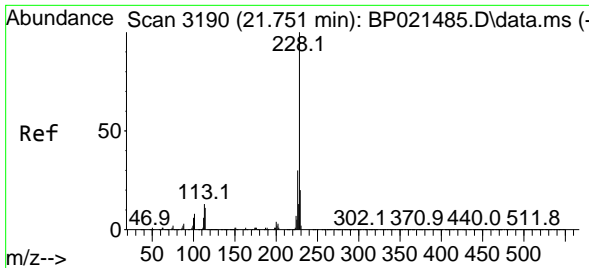


#81
 Benzo(a)anthracene
 Concen: 64.694 ng
 RT: 21.710 min Scan# 3183
 Delta R.T. 0.012 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Tgt Ion:228 Resp: 7924848

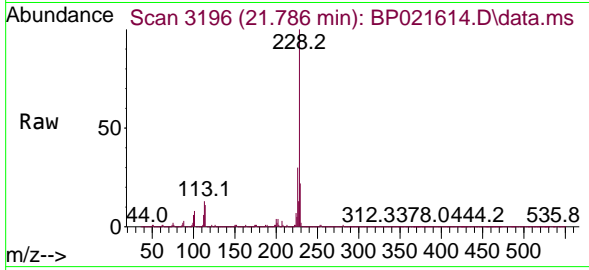
Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.4	32.2
229	20.8	15.8	23.6





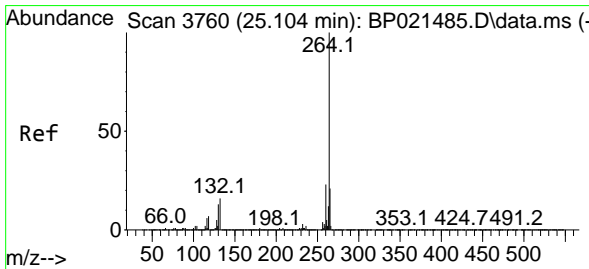
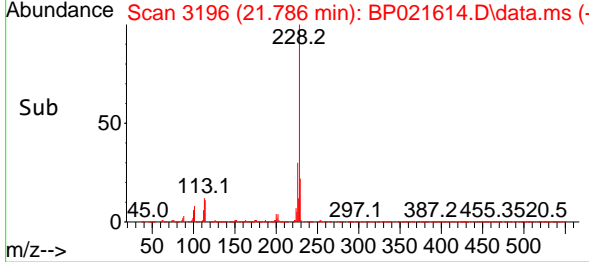
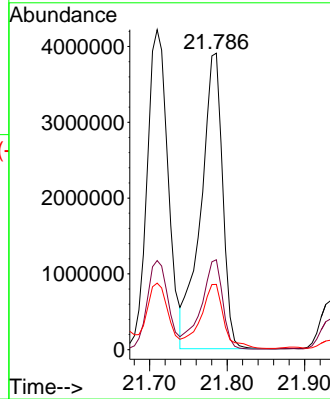
#83
 Chrysene
 Concen: 65.739 ng
 RT: 21.786 min Scan# 3196
 Delta R.T. 0.017 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Instrument : BNA_P
 ClientSampleId : S-904-J-SO-0-0.5-081924



Tgt Ion:228 Resp: 7603083

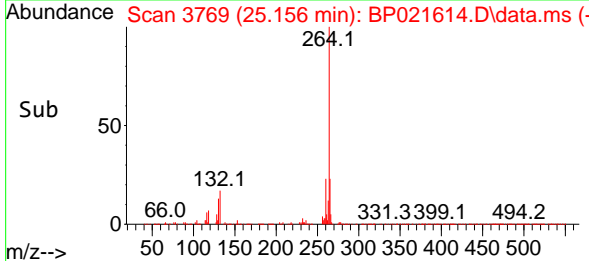
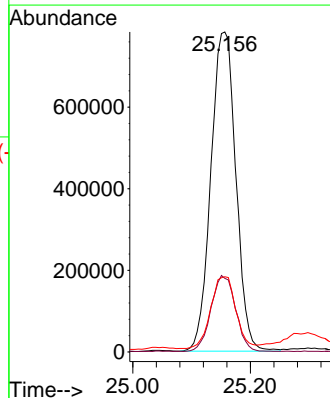
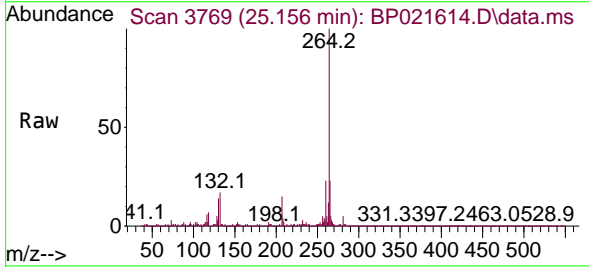
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	22.0	15.8	23.6

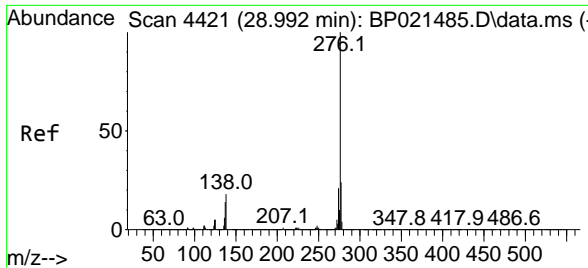


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.156 min Scan# 3769
 Delta R.T. 0.006 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Tgt Ion:264 Resp: 2313524

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	23.5	17.1	25.7



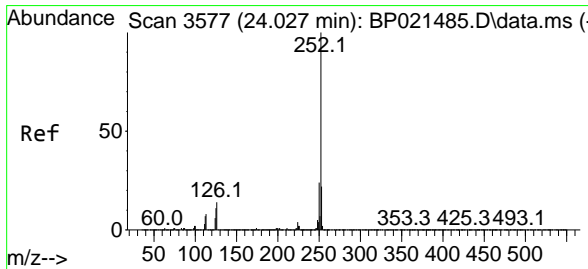
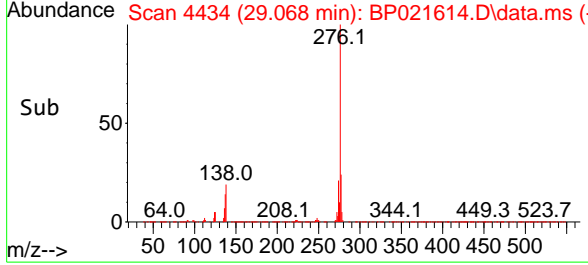
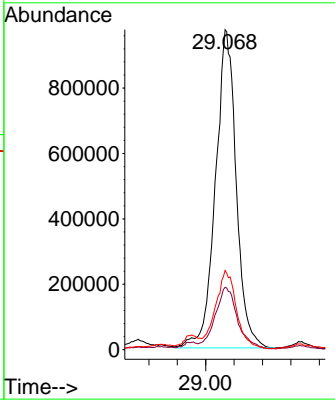
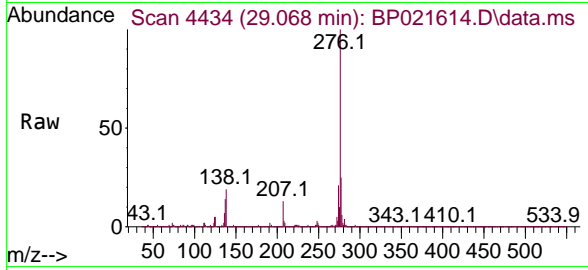


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 33.020 ng
 RT: 29.068 min Scan# 4421
 Delta R.T. 0.012 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Instrument :
 BNA_P
ClientSampleId :
 S-904-J-SO-0-0.5-081924

Tgt Ion: 276 Resp: 4951827

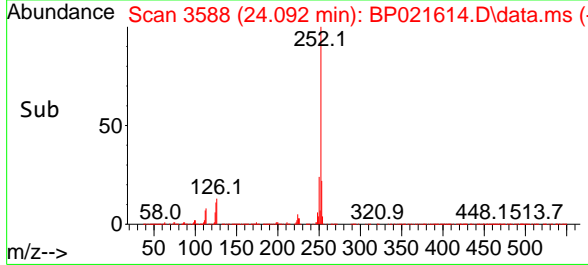
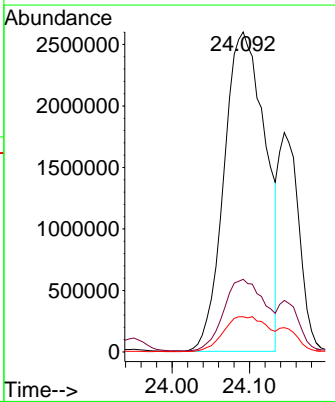
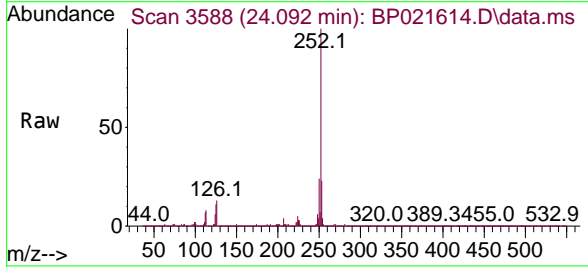
Ion	Ratio	Lower	Upper
276	100		
138	20.8	12.8	19.2#
277	24.6	16.5	24.7

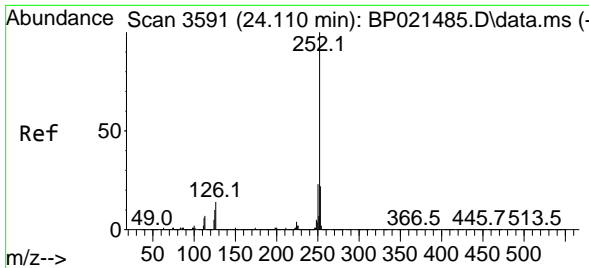


#88
 Benzo(b)fluoranthene
 Concen: 72.594 ng
 RT: 24.092 min Scan# 3588
 Delta R.T. 0.035 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Tgt Ion: 252 Resp: 9645617

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	11.0	8.6	13.0



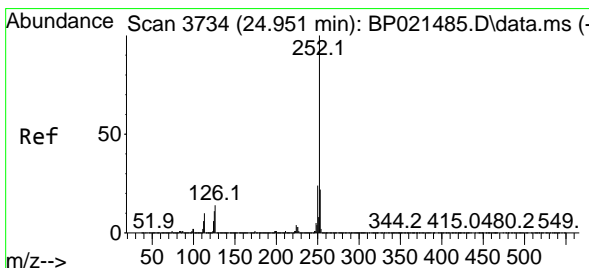
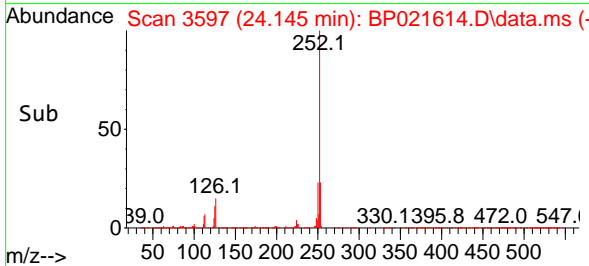
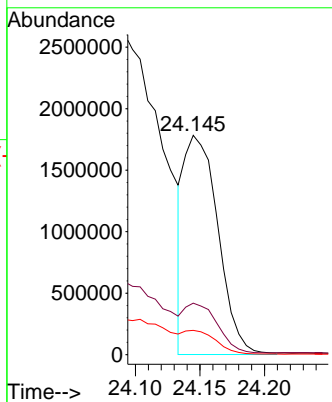
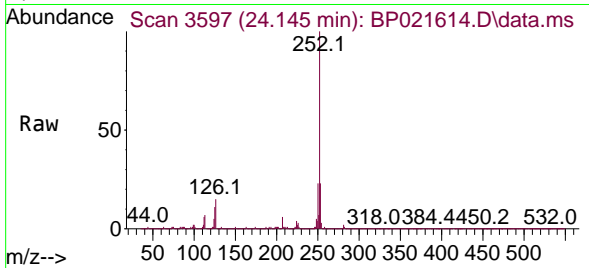


#89
 Benzo(k)fluoranthene
 Concen: 25.039 ng m
 RT: 24.145 min Scan# 31
 Delta R.T. 0.012 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Instrument :
 BNA_P
 ClientSampleId :
 S-904-J-SO-0-0.5-081924

Tgt Ion:252 Resp: 3245482

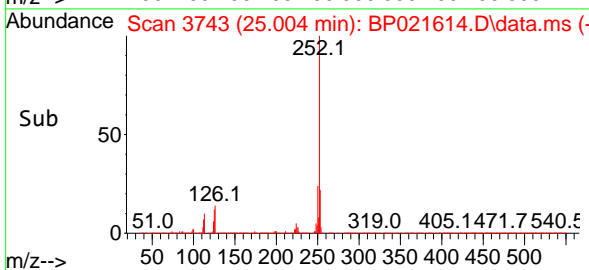
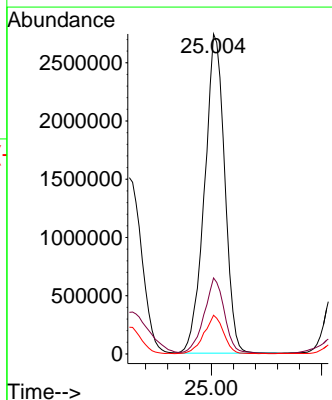
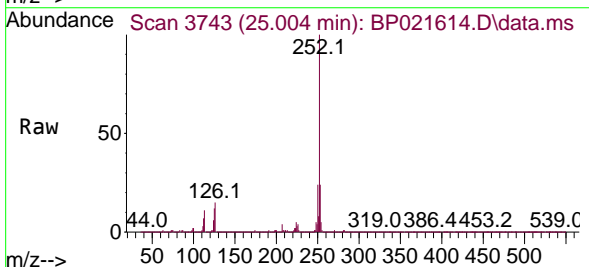
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	11.1	7.8	11.8

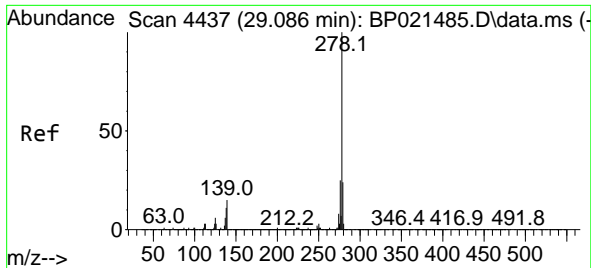


#90
 Benzo(a)pyrene
 Concen: 60.319 ng
 RT: 25.004 min Scan# 3743
 Delta R.T. 0.023 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Tgt Ion:252 Resp: 6955169

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	12.1	8.7	13.1



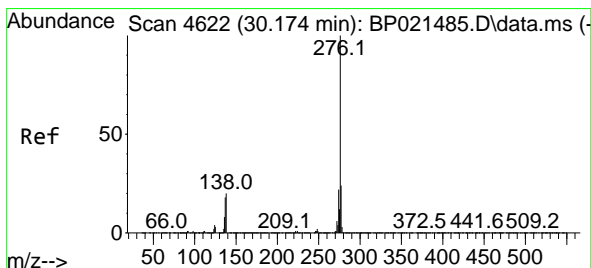
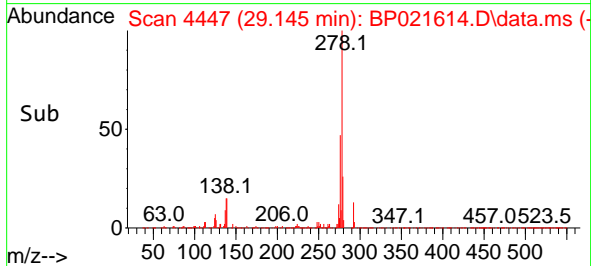
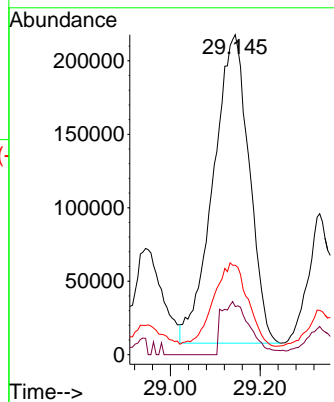
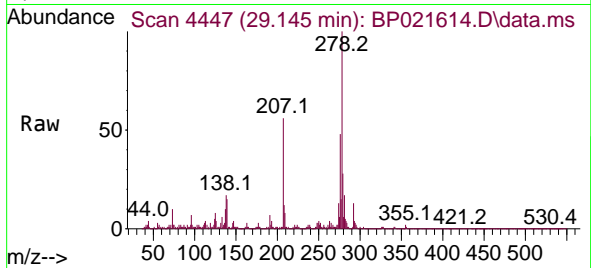


#91
 Dibenzo(a,h)anthracene
 Concen: 9.379 ng
 RT: 29.145 min Scan# 4437
 Delta R.T. 0.012 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Instrument : BNA_P
 ClientSampleId : S-904-J-SO-0-0.5-081924

Tgt Ion: 278 Resp: 1168614

Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.2	18.4
279	27.9	19.1	28.7



#92
 Benzo(g,h,i)perylene
 Concen: 36.380 ng
 RT: 30.274 min Scan# 4639
 Delta R.T. 0.012 min
 Lab File: BP021614.D
 Acq: 22 Aug 2024 15:04

Tgt Ion: 276 Resp: 4543482

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.6
138	20.8	16.0	24.0

