

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081524\  
 Data File : BP021530.D  
 Acq On : 16 Aug 2024 02:34  
 Operator : RC/JU  
 Sample : P3598-03  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 JC-03-081324-B

Quant Time: Aug 16 03:17:32 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 14 00:00:30 2024  
 Response via : Initial Calibration

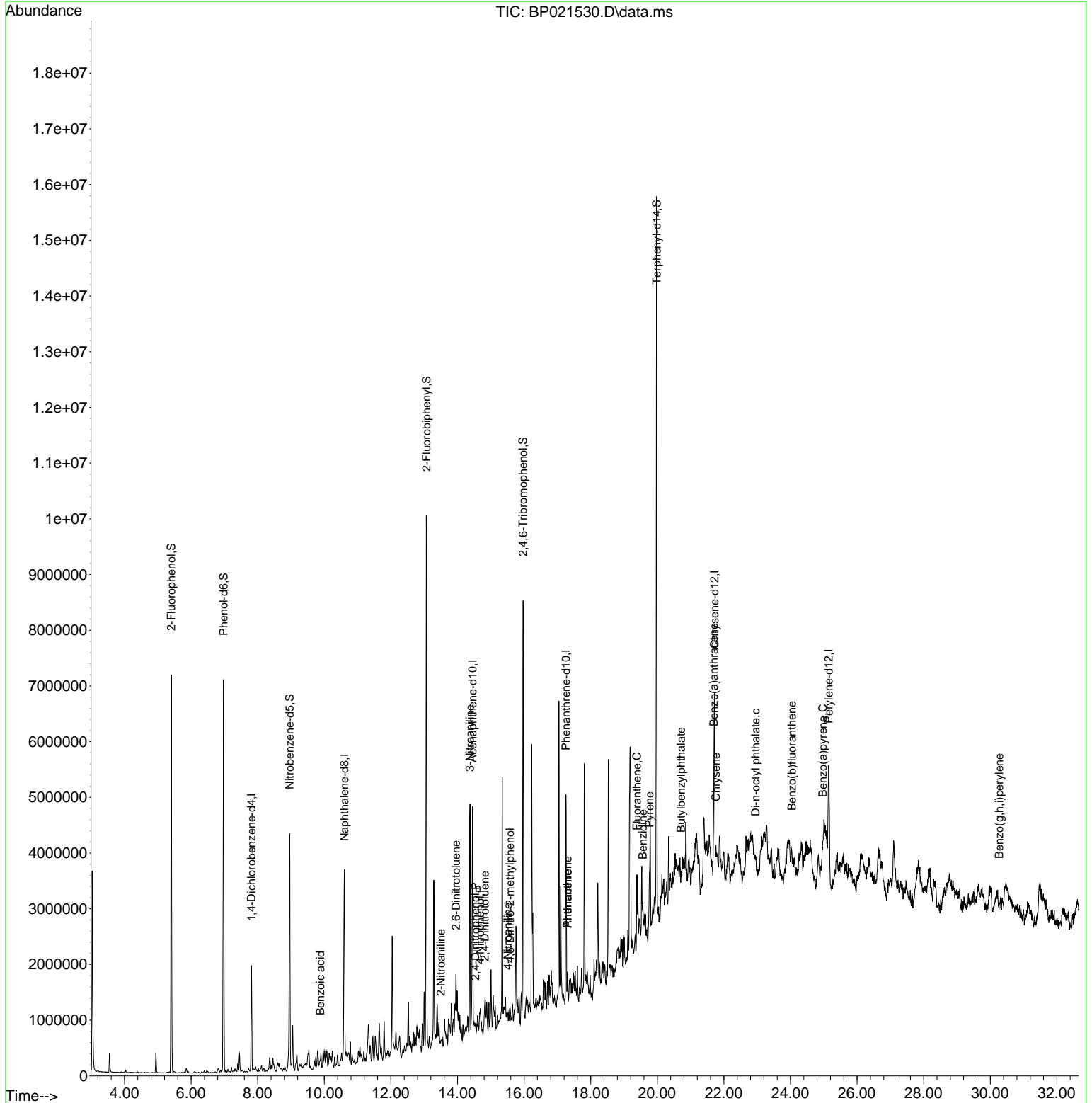
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	488611	20.000	ng	0.00
21) Naphthalene-d8	10.605	136	1970002	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	1220381	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	2390173	20.000	ng	0.00
76) Chrysene-d12	21.716	240	1841753	20.000	ng	0.02
86) Perylene-d12	25.151	264	2155843	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.405	112	3297157	100.199	ng	0.01
7) Phenol-d6	6.975	99	4631411	96.483	ng	0.01
23) Nitrobenzene-d5	8.958	82	2728921	71.499	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	1496326	110.167	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	5017287	62.744	ng	0.00
79) Terphenyl-d14	19.981	244	6271579	66.154	ng	0.00
Target Compounds						
26) 2-Nitrophenol	9.681	139	266	Below Cal	#	1
32) Benzoic acid	9.881	122	273	3.345	ng	# 1
48) 2-Nitroaniline	13.504	65	663	5.179	ng	# 63
51) 2,6-Dinitrotoluene	13.957	165	1531	4.071	ng	# 91
53) 3-Nitroaniline	14.369	138	2571	4.115	ng	# 58
54) 2,4-Dinitrophenol	14.534	184	232	2.507	ng	# 1
56) 4-Nitrophenol	14.681	139	7486	5.596	ng	# 1
57) 2,4-Dinitrotoluene	14.816	165	712	5.053	ng	# 62
62) 4-Nitroaniline	15.510	138	1462	3.017	ng	# 65
65) 4,6-Dinitro-2-methylph...	15.575	198	865	4.762	ng	# 1
71) Phenanthrene	17.304	178	330895	2.879	ng	# 97
72) Anthracene	17.304	178	330895	2.935	ng	# 97
75) Fluoranthene	19.386	202	650173	4.610	ng	# 97
77) Benzidine	19.563	184	9769	4.746	ng	# 1
78) Pyrene	19.763	202	644721	5.356	ng	# 98
80) Butylbenzylphthalate	20.710	149	4350	3.691	ng	# 28
81) Benzo(a)anthracene	21.698	228	328469	2.841	ng	# 80
83) Chrysene	21.763	228	347582	3.184	ng	# 86
85) Di-n-octyl phthalate	22.951	149	14872	4.948	ng	# 64
88) Benzo(b)fluoranthene	24.045	252	421923	3.408	ng	# 69
90) Benzo(a)pyrene	24.974	252	323812	3.014	ng	# 68
92) Benzo(g,h,i)perylene	30.268	276	240155	2.064	ng	# 83

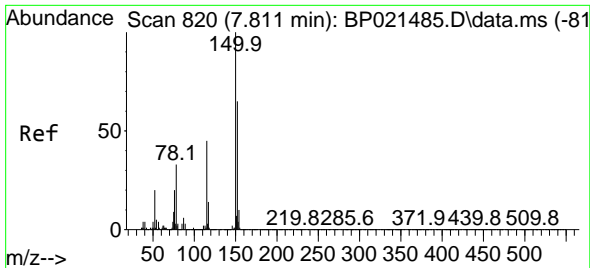
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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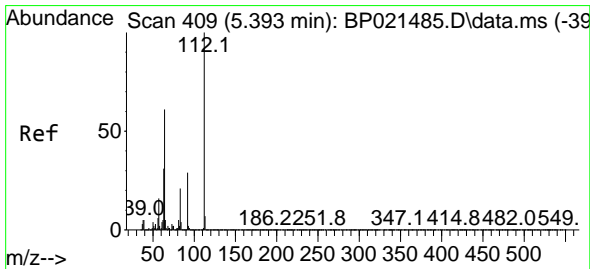
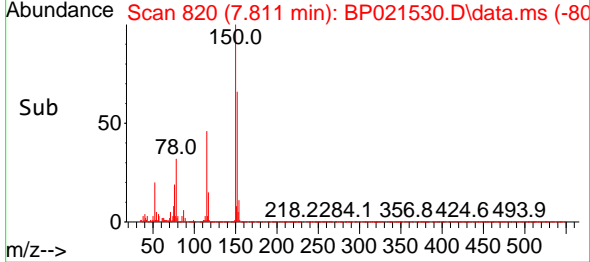
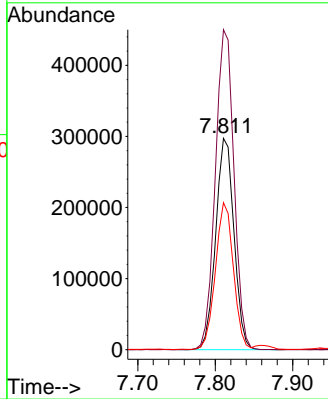
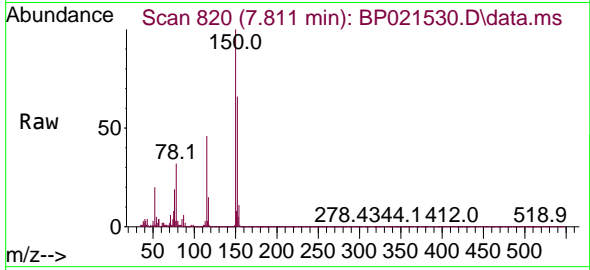


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.811 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Instrument :  
 BNA\_P  
 ClientSampleId :  
 JC-03-081324-B

Tgt Ion:152 Resp: 488611

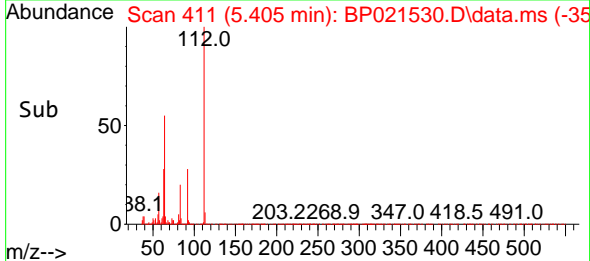
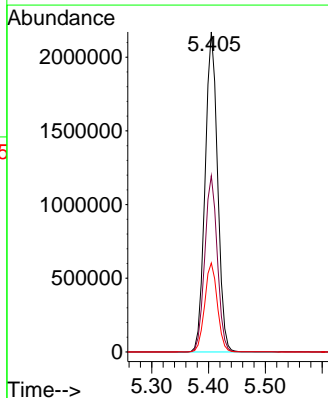
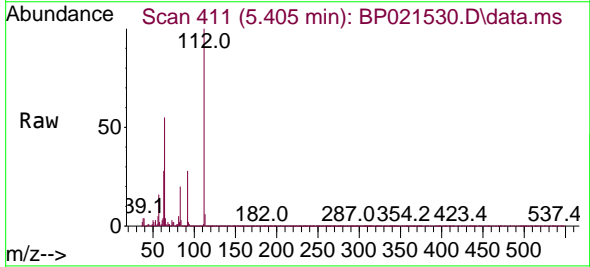
Ion	Ratio	Lower	Upper
152	100		
150	151.4	122.4	183.6
115	69.6	54.7	82.1

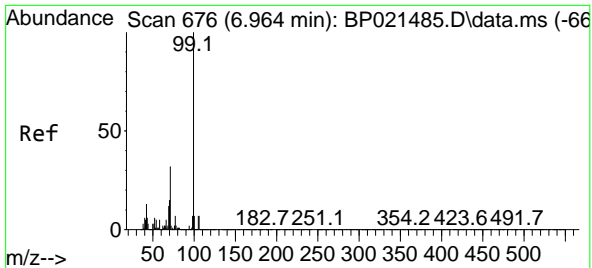


#5  
 2-Fluorophenol  
 Concen: 100.199 ng  
 RT: 5.405 min Scan# 411  
 Delta R.T. 0.012 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Tgt Ion:112 Resp: 3297157

Ion	Ratio	Lower	Upper
112	100		
64	55.0	49.0	73.6
63	27.8	24.6	36.8



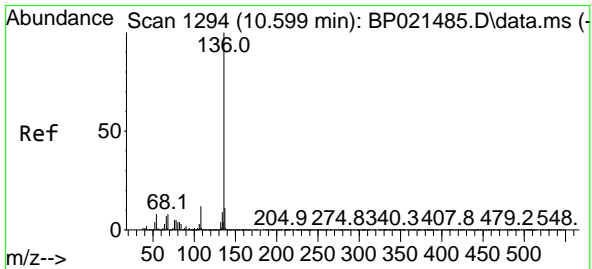
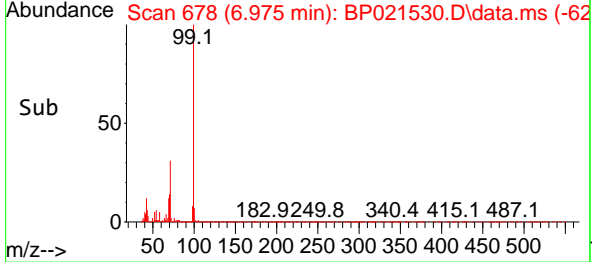
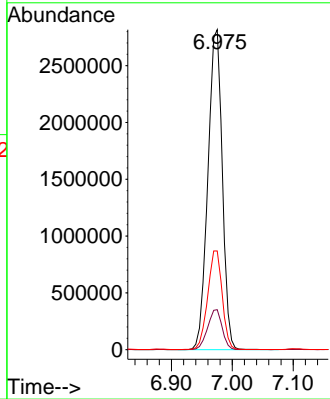
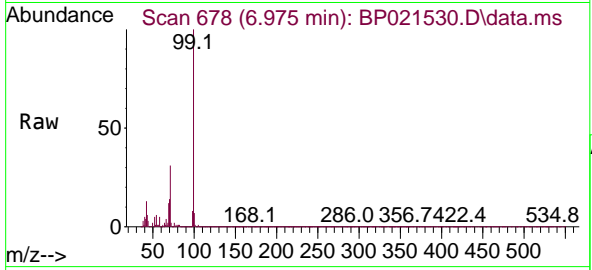


#7  
 Phenol-d6  
 Concen: 96.483 ng  
 RT: 6.975 min Scan# 61  
 Delta R.T. 0.012 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Instrument : BNA\_P  
 ClientSampleId : JC-03-081324-B

Tgt Ion: 99 Resp: 4631411

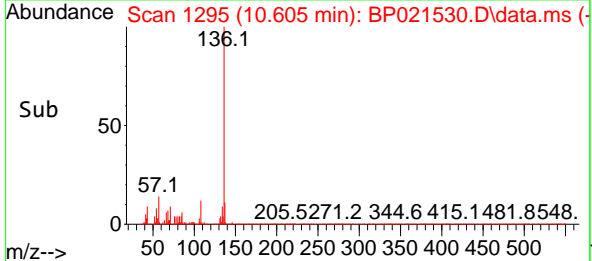
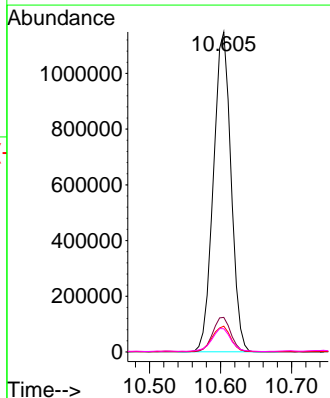
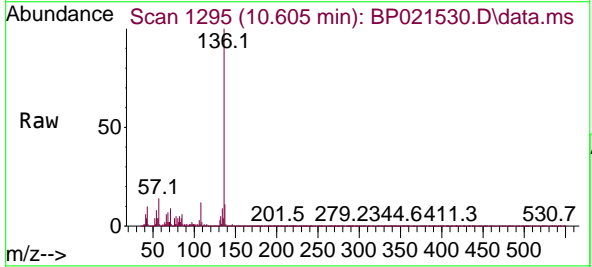
Ion	Ratio	Lower	Upper
99	100		
42	12.5	10.2	15.4
71	30.8	25.8	38.8

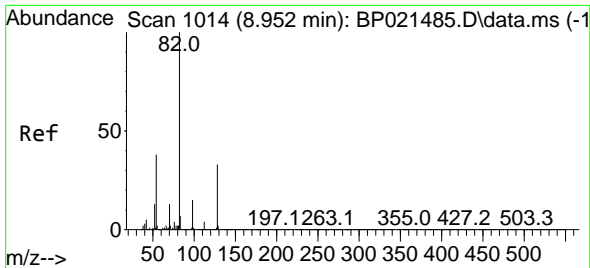


#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 10.605 min Scan# 1295  
 Delta R.T. 0.006 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Tgt Ion: 136 Resp: 1970002

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.1	6.3	9.5
68	7.3	6.8	10.2



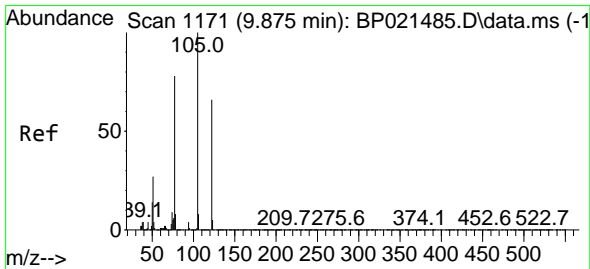
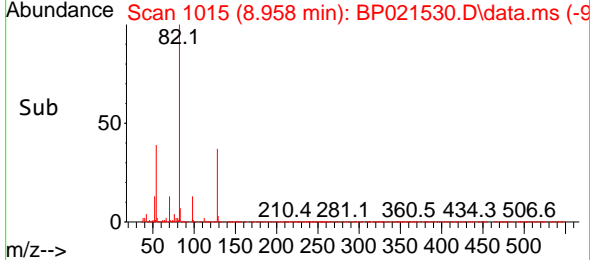
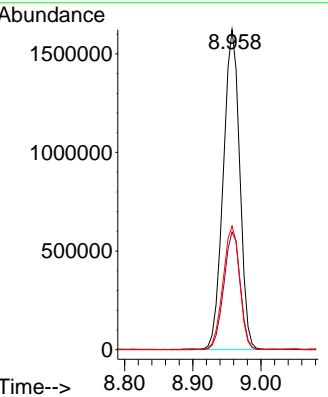
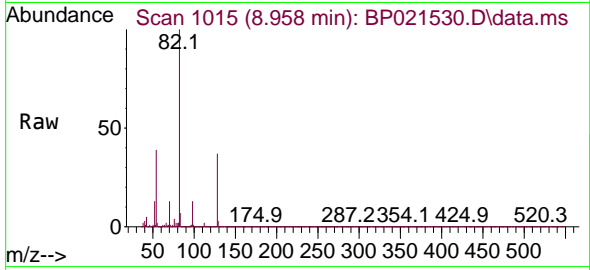


#23  
 Nitrobenzene-d5  
 Concen: 71.499 ng  
 RT: 8.958 min Scan# 1014  
 Delta R.T. 0.006 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Instrument :  
 BNA\_P  
 ClientSampleId :  
 JC-03-081324-B

Tgt Ion: 82 Resp: 2728921

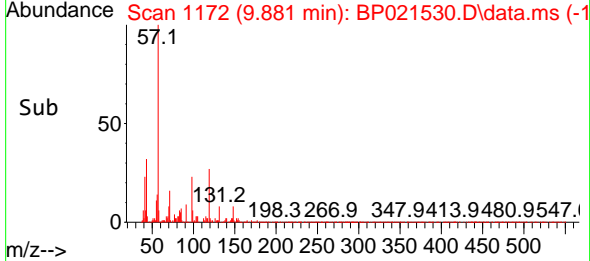
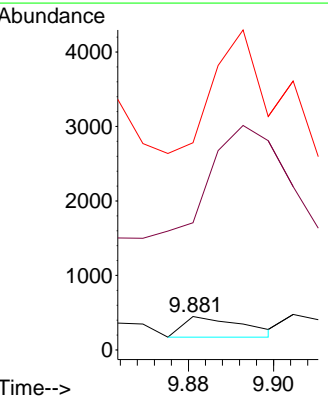
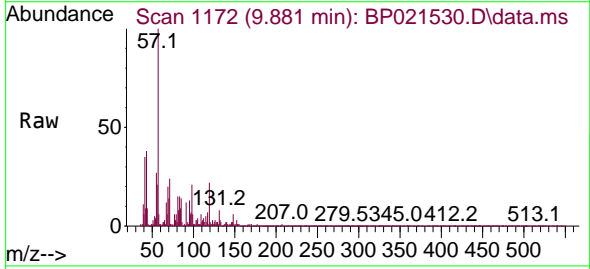
Ion	Ratio	Lower	Upper
82	100		
128	36.8	26.5	39.7
54	38.6	30.3	45.5

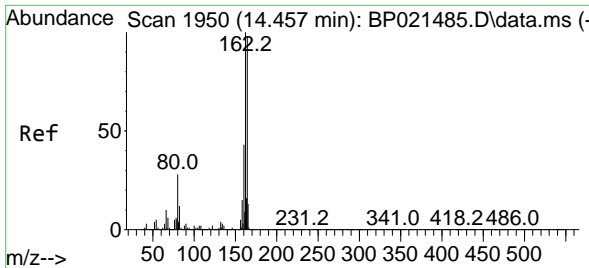


#32  
 Benzoic acid  
 Concen: 3.345 ng  
 RT: 9.881 min Scan# 1172  
 Delta R.T. 0.006 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Tgt Ion: 122 Resp: 273

Ion	Ratio	Lower	Upper
122	100		
105	381.0	124.6	164.6#
77	620.8	96.2	136.2#

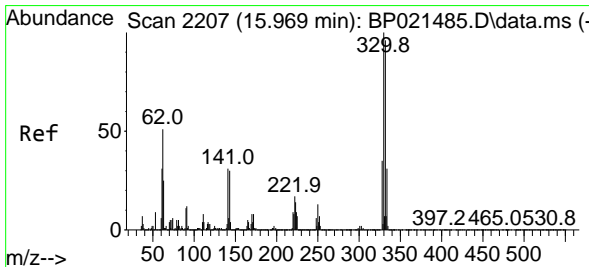
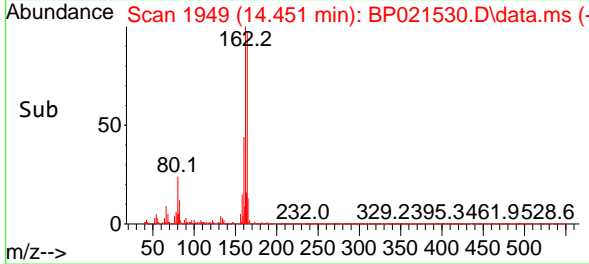
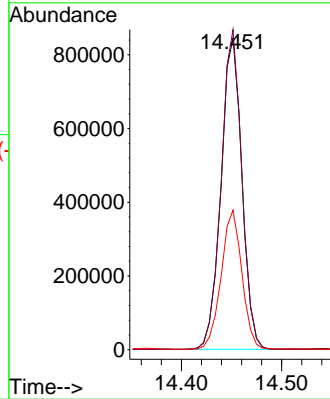
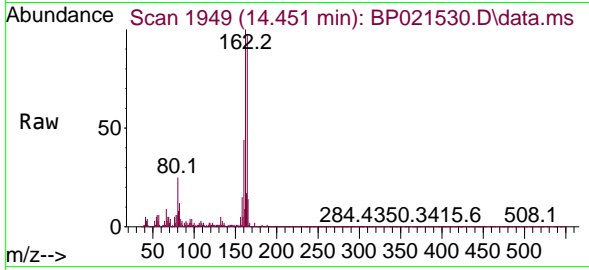




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.451 min Scan# 1950  
Delta R.T. -0.006 min  
Lab File: BP021530.D  
Acq: 16 Aug 2024 02:34

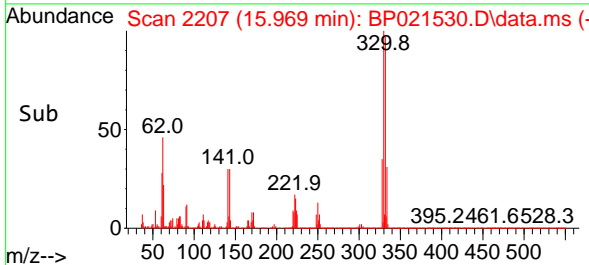
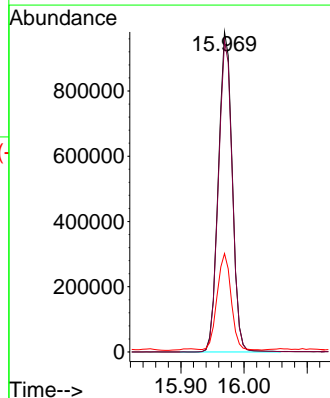
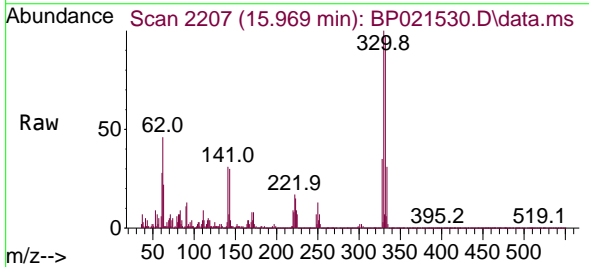
Instrument :  
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ClientSampleId :  
JC-03-081324-B

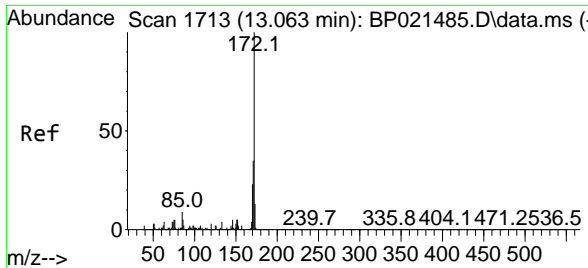
Tgt Ion:164 Resp: 1220381  
Ion Ratio Lower Upper  
164 100  
162 102.7 81.5 122.3  
160 44.8 35.2 52.8



#42  
2,4,6-Tribromophenol  
Concen: 110.167 ng  
RT: 15.969 min Scan# 2207  
Delta R.T. 0.000 min  
Lab File: BP021530.D  
Acq: 16 Aug 2024 02:34

Tgt Ion:330 Resp: 1496326  
Ion Ratio Lower Upper  
330 100  
332 97.6 77.4 116.0  
141 30.5 24.5 36.7



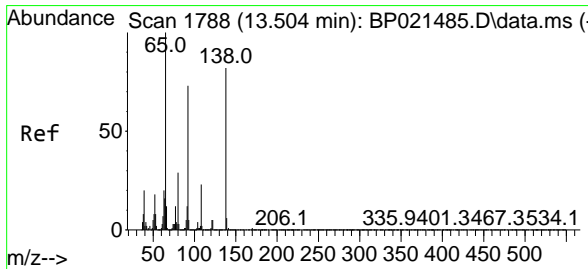
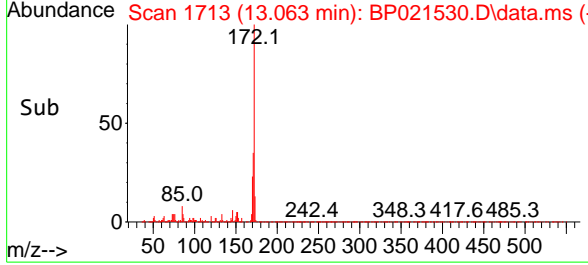
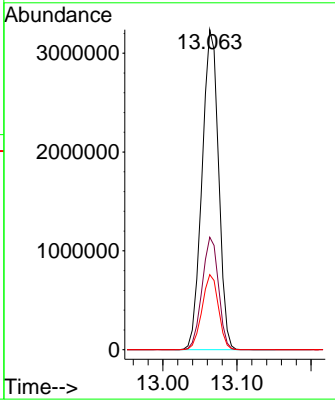
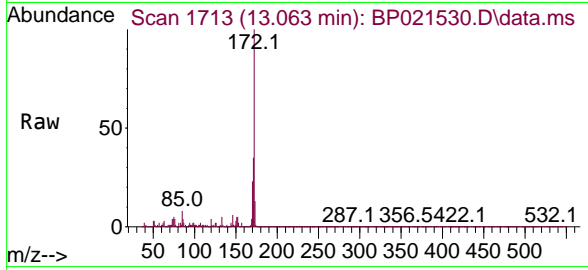


#45  
 2-Fluorobiphenyl  
 Concen: 62.744 ng  
 RT: 13.063 min Scan# 1713  
 Delta R.T. 0.000 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Instrument : BNA\_P  
 ClientSampleId : JC-03-081324-B

Tgt Ion: 172 Resp: 5017287

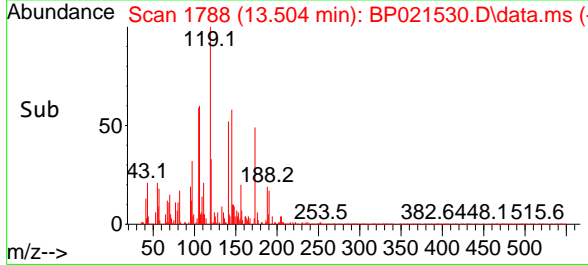
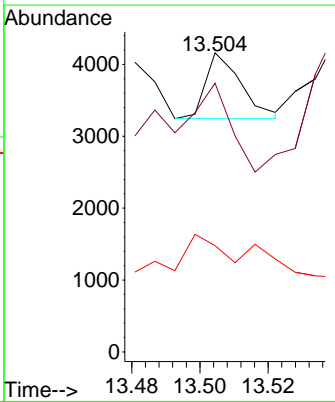
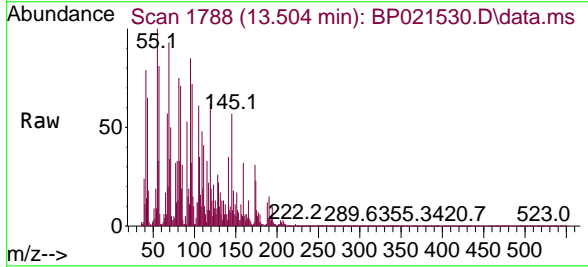
Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.4	18.4	27.6

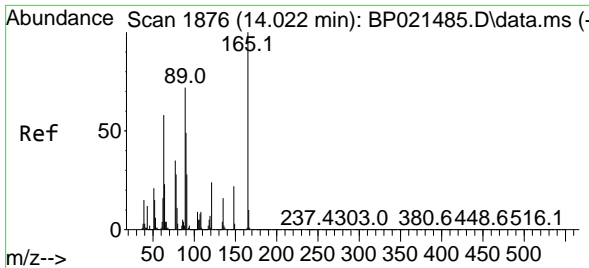


#48  
 2-Nitroaniline  
 Concen: 5.179 ng  
 RT: 13.504 min Scan# 1788  
 Delta R.T. 0.000 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Tgt Ion: 65 Resp: 663

Ion	Ratio	Lower	Upper
65	100		
92	89.8	58.1	87.1#
138	35.6	65.5	98.3#

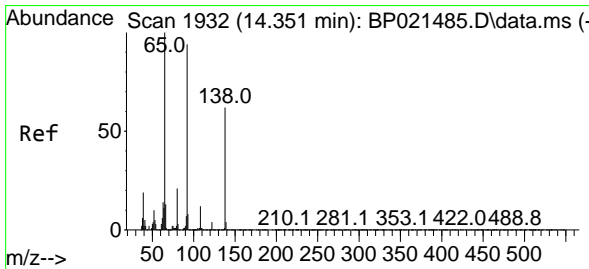
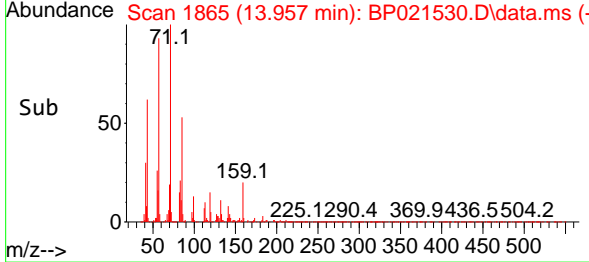
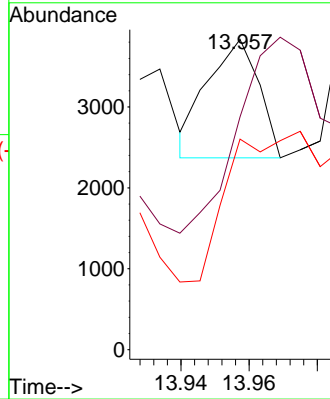
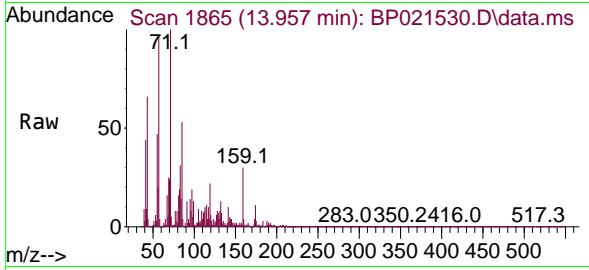




#51  
 2,6-Dinitrotoluene  
 Concen: 4.071 ng  
 RT: 13.957 min Scan# 1865  
 Delta R.T. -0.065 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

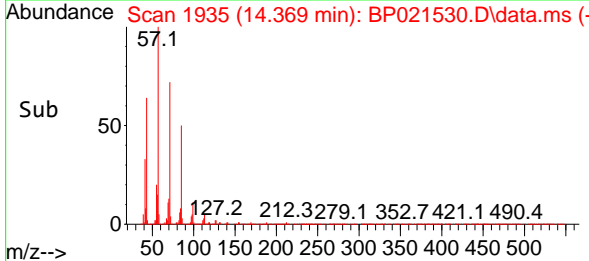
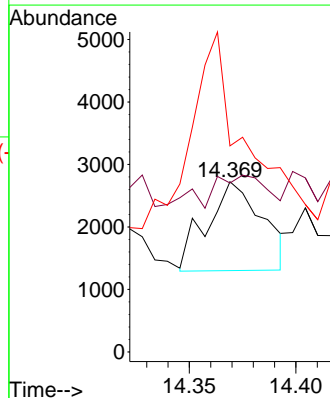
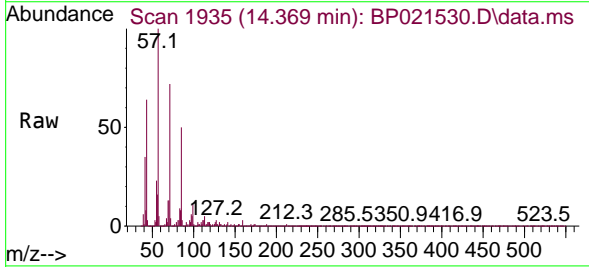
Instrument : BNA\_P  
 ClientSampleId : JC-03-081324-B

Tgt Ion	Resp	Lower	Upper
165	1531		
63	75.0	51.5	77.3
89	67.8	57.8	86.8

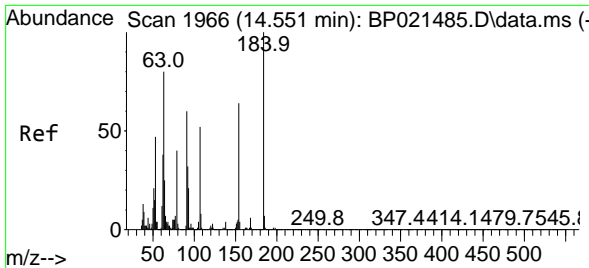


#53  
 3-Nitroaniline  
 Concen: 4.115 ng  
 RT: 14.369 min Scan# 1935  
 Delta R.T. 0.018 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Tgt Ion	Resp	Lower	Upper
138	2571		
108	99.2	16.2	24.4#
92	121.1	122.2	183.4#



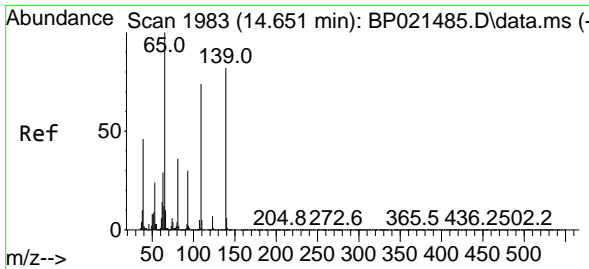
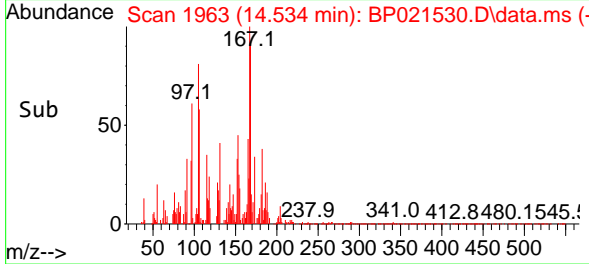
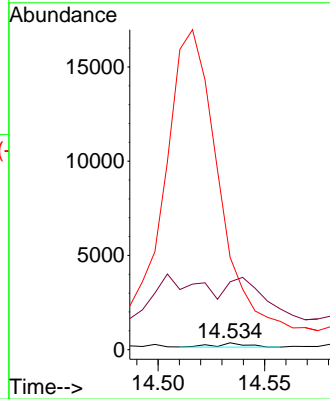
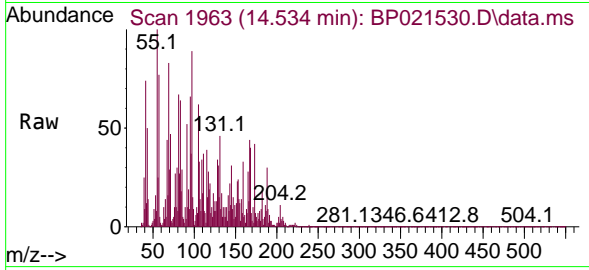




#54  
 2,4-Dinitrophenol  
 Concen: 2.507 ng  
 RT: 14.534 min Scan# 1963  
 Delta R.T. -0.017 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

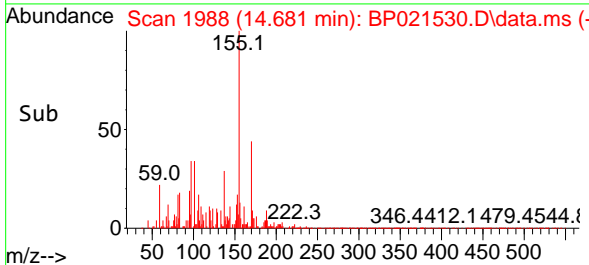
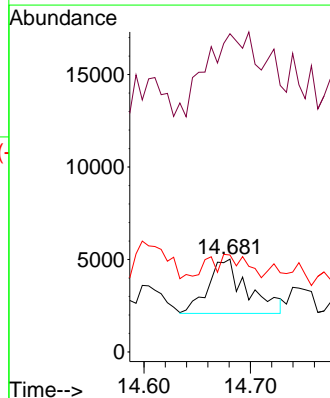
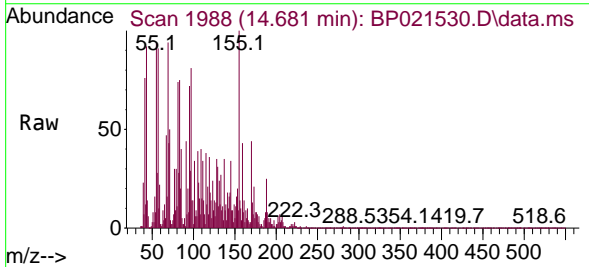
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 BNA\_P  
 ClientSampleId :  
 JC-03-081324-B

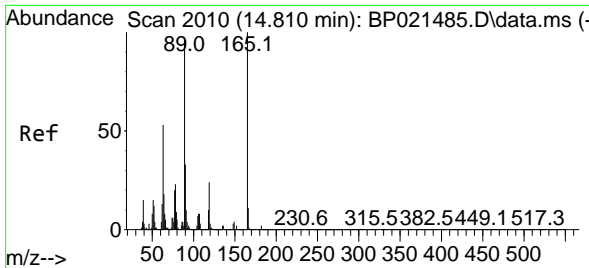
Tgt Ion:184 Resp: 232  
 Ion Ratio Lower Upper  
 184 100  
 63 990.6 64.9 97.3#  
 154 1349.6 52.1 78.1#



#56  
 4-Nitrophenol  
 Concen: 5.596 ng  
 RT: 14.681 min Scan# 1988  
 Delta R.T. 0.030 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Tgt Ion:139 Resp: 7486  
 Ion Ratio Lower Upper  
 139 100  
 109 343.1 70.2 110.2#  
 65 104.5 101.8 141.8



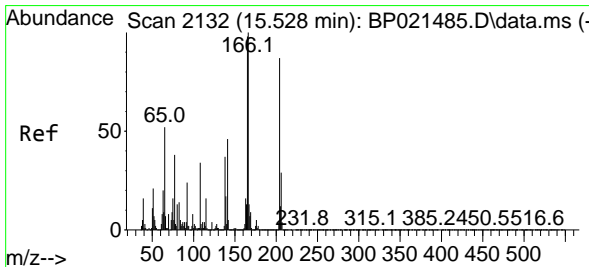
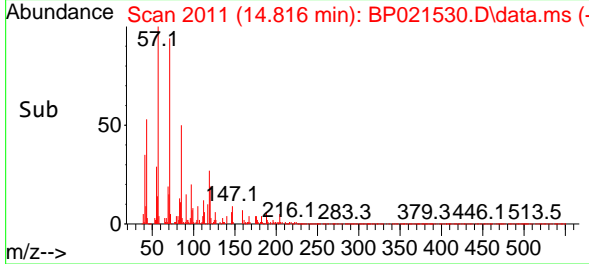
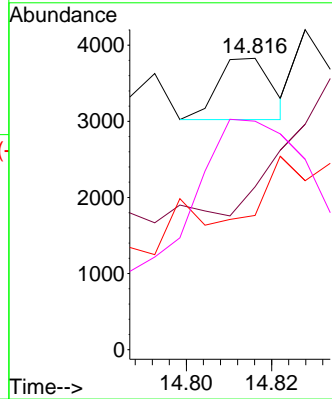
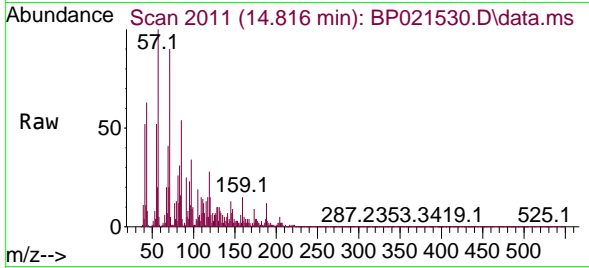


#57  
 2,4-Dinitrotoluene  
 Concen: 5.053 ng  
 RT: 14.816 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Instrument :  
 BNA\_P  
 ClientSampleId :  
 JC-03-081324-B

Tgt Ion:165 Resp: 712

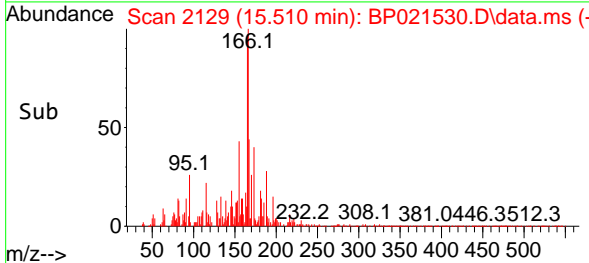
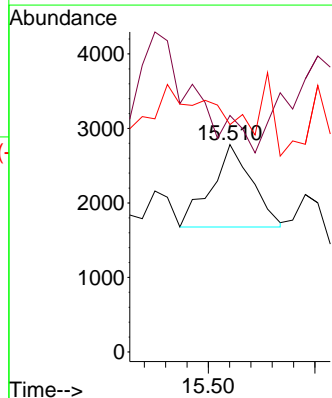
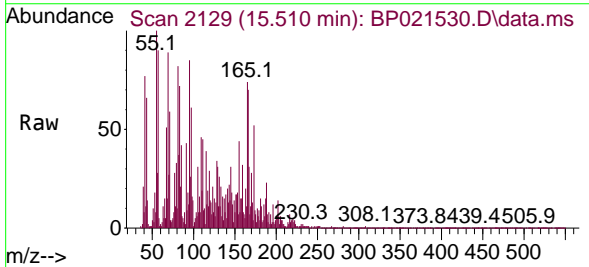
Ion	Ratio	Lower	Upper
165	100		
63	55.9	42.5	63.7
89	46.1	77.1	115.7#
182	78.4	2.0	3.0#

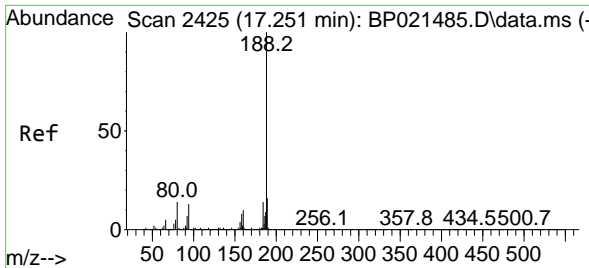


#62  
 4-Nitroaniline  
 Concen: 3.017 ng  
 RT: 15.510 min Scan# 2129  
 Delta R.T. -0.018 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Tgt Ion:138 Resp: 1462

Ion	Ratio	Lower	Upper
138	100		
92	114.1	46.4	86.4#
108	109.7	73.2	113.2



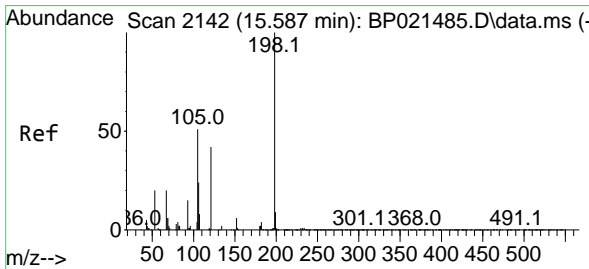
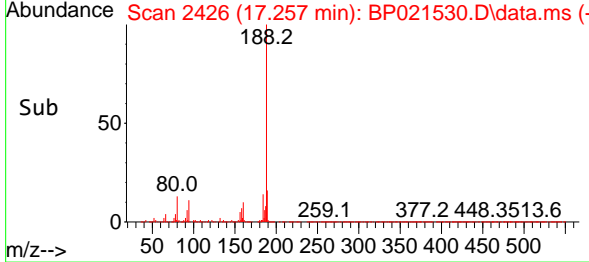
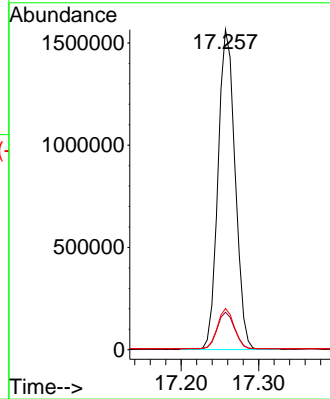
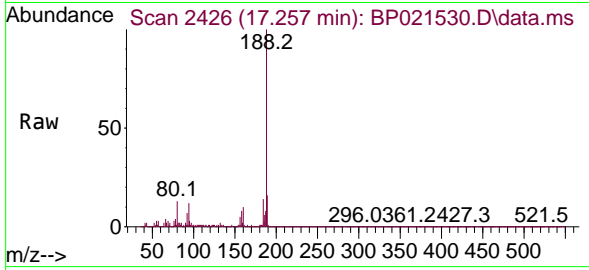


#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.257 min Scan# 24  
 Delta R.T. 0.006 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Instrument :  
 BNA\_P  
 ClientSampleId :  
 JC-03-081324-B

Tgt Ion:188 Resp: 2390173

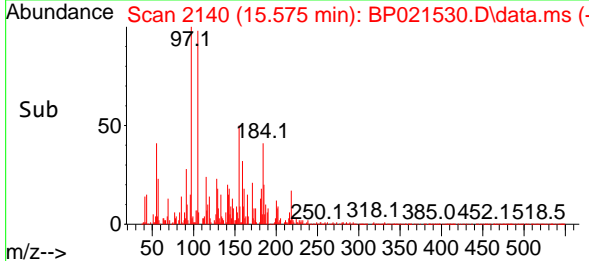
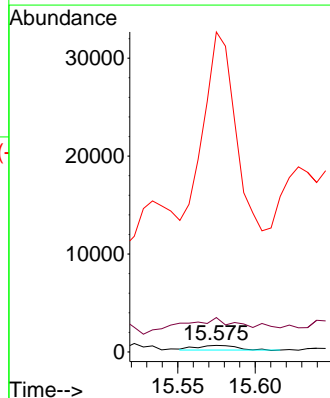
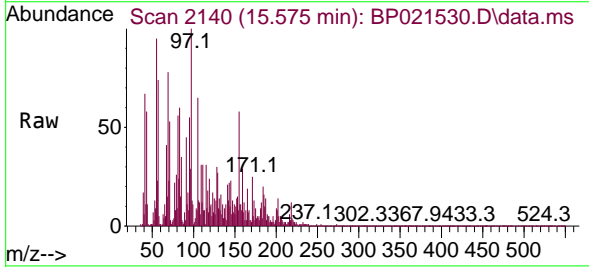
Ion	Ratio	Lower	Upper
188	100		
94	11.7	10.2	15.4
80	12.9	11.6	17.4

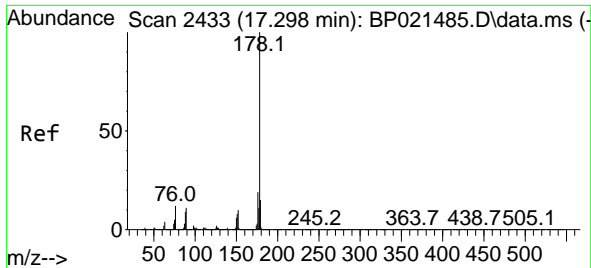


#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 4.762 ng  
 RT: 15.575 min Scan# 2140  
 Delta R.T. -0.012 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Tgt Ion:198 Resp: 865

Ion	Ratio	Lower	Upper
198	100		
51	518.6	21.5	61.5#
105	4834.3	32.9	72.9#

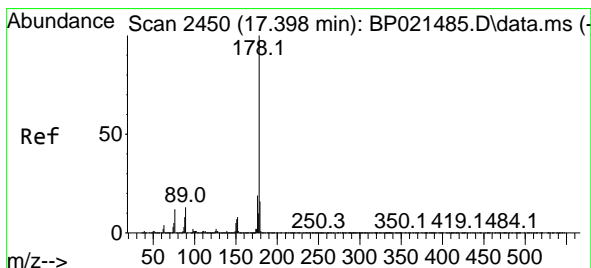
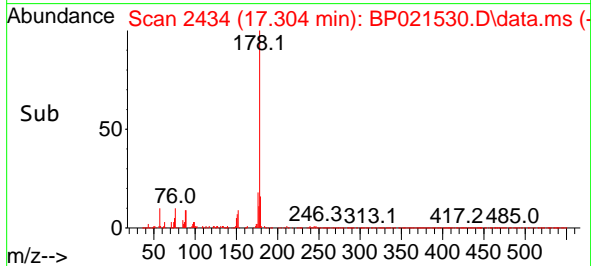
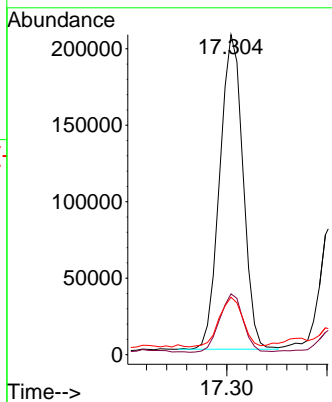
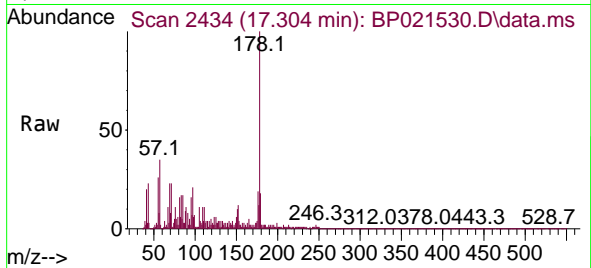




#71  
 Phenanthrene  
 Concen: 2.879 ng  
 RT: 17.304 min Scan# 2434  
 Delta R.T. 0.006 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

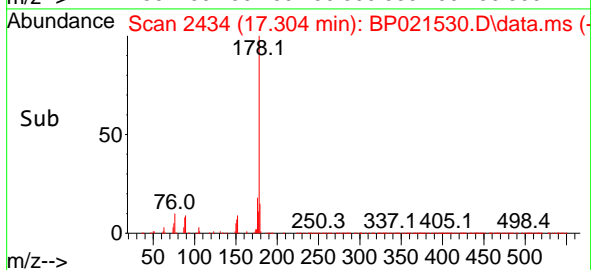
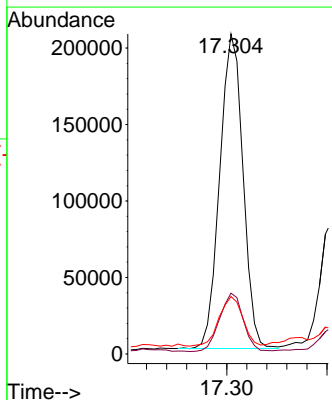
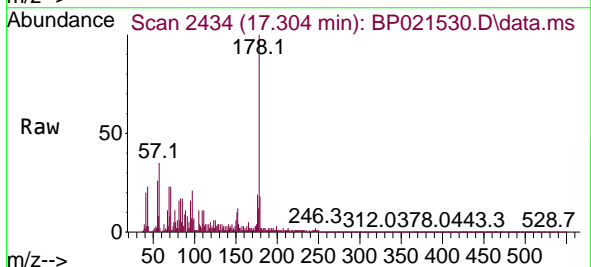
Instrument :  
 BNA\_P  
 ClientSampleId :  
 JC-03-081324-B

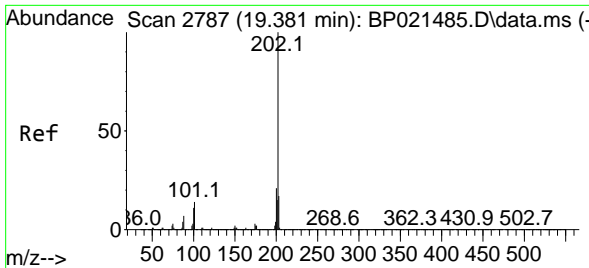
Tgt Ion	Resp	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	18.0	12.4	18.6



#72  
 Anthracene  
 Concen: 2.935 ng  
 RT: 17.304 min Scan# 2434  
 Delta R.T. -0.094 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Tgt Ion	Resp	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	18.0	12.5	18.7

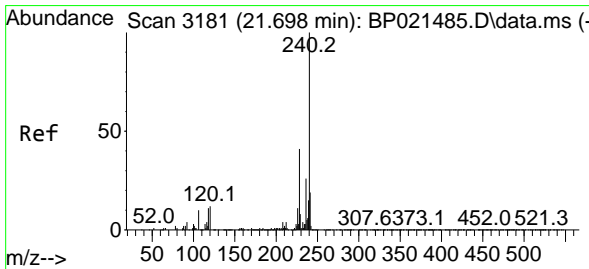
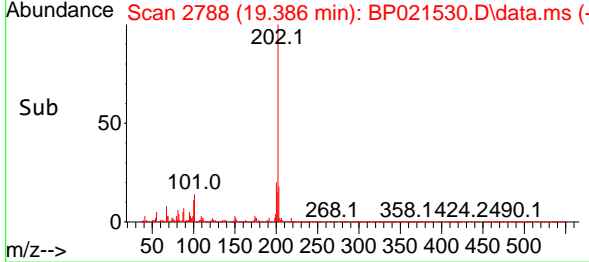
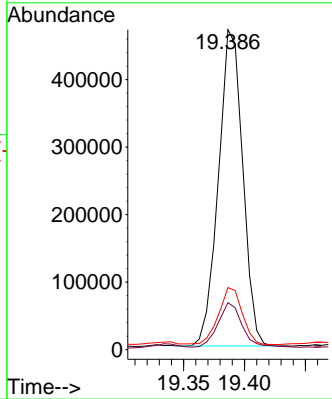
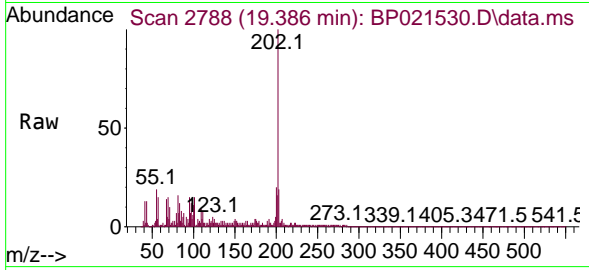




#75  
 Fluoranthene  
 Concen: 4.610 ng  
 RT: 19.386 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

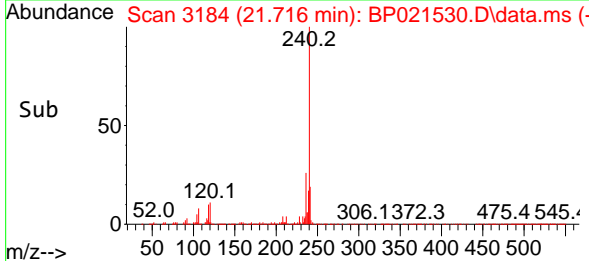
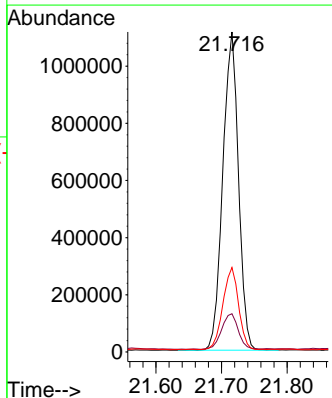
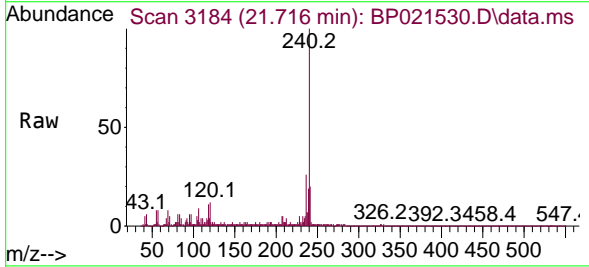
Instrument : BNA\_P  
 Client Sample Id : JC-03-081324-B

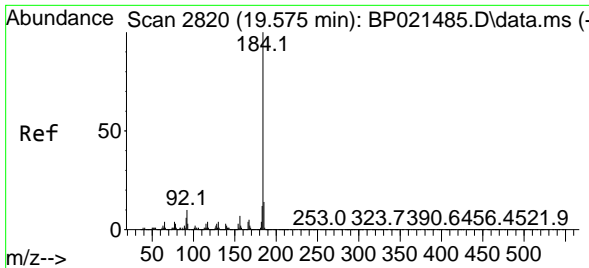
Tgt Ion	Resp	Lower	Upper
202	100		
101	14.7	0.0	34.0
203	19.4	0.0	37.5



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.716 min Scan# 3184  
 Delta R.T. 0.018 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Tgt Ion	Resp	Lower	Upper
240	100		
120	11.9	9.9	14.9
236	26.4	20.6	30.8



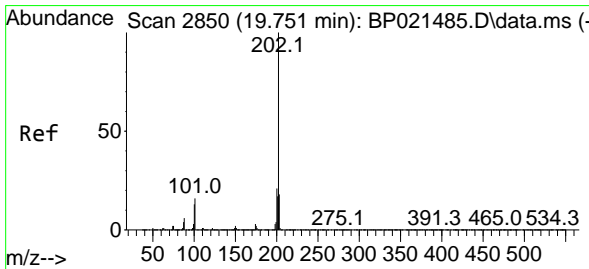
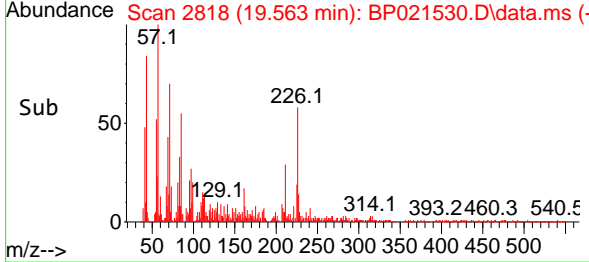
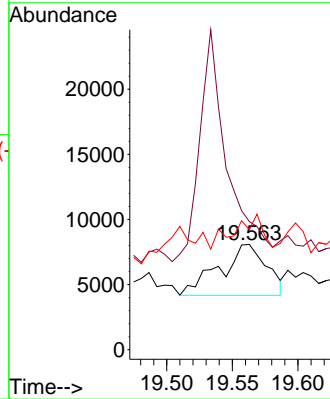
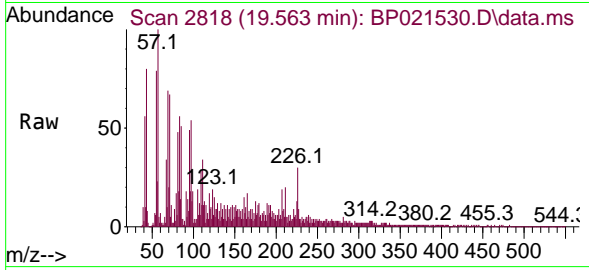


#77  
 Benzidine  
 Concen: 4.746 ng  
 RT: 19.563 min Scan# 2818  
 Delta R.T. -0.012 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Instrument :  
 BNA\_P  
 ClientSampleId :  
 JC-03-081324-B

Tgt Ion:184 Resp: 9769

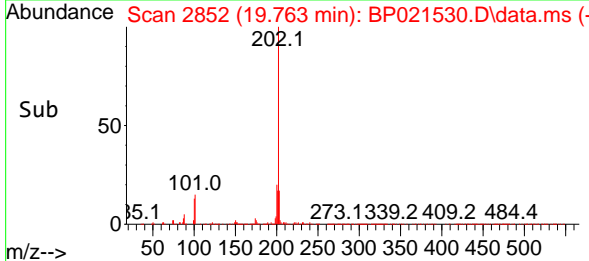
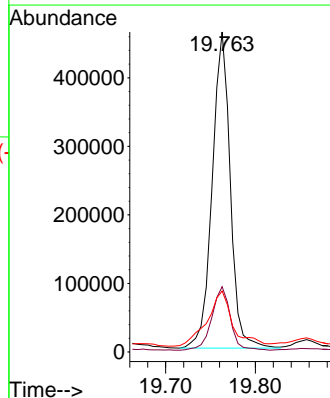
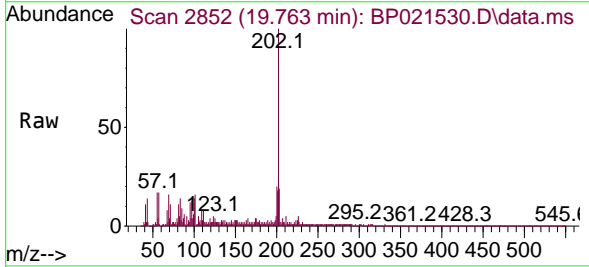
Ion	Ratio	Lower	Upper
184	100		
185	121.8	11.4	17.0#
183	114.1	9.3	13.9#

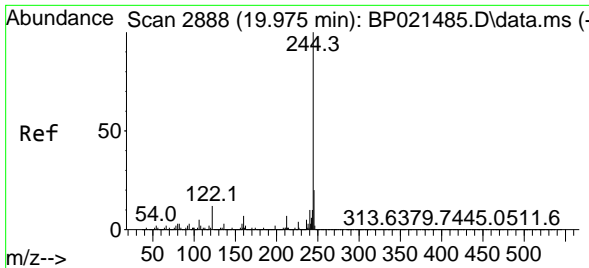


#78  
 Pyrene  
 Concen: 5.356 ng  
 RT: 19.763 min Scan# 2852  
 Delta R.T. 0.012 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Tgt Ion:202 Resp: 644721

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.7	25.1
203	19.0	14.1	21.1



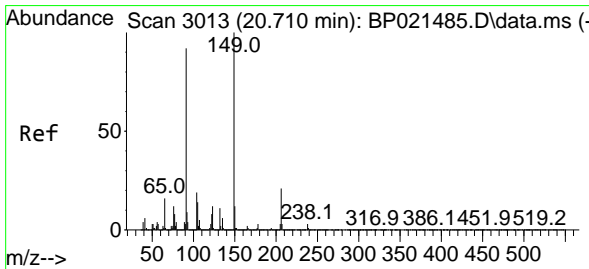
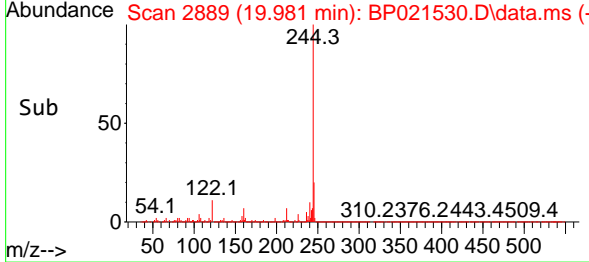
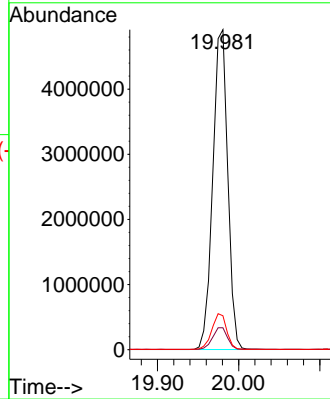
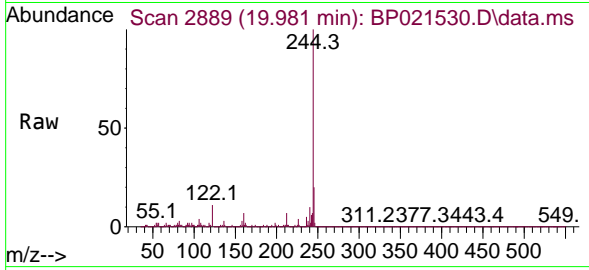


#79  
 Terphenyl-d14  
 Concen: 66.154 ng  
 RT: 19.981 min Scan# 2889  
 Delta R.T. 0.006 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Instrument :  
 BNA\_P  
 ClientSampleId :  
 JC-03-081324-B

Tgt Ion:244 Resp: 6271579

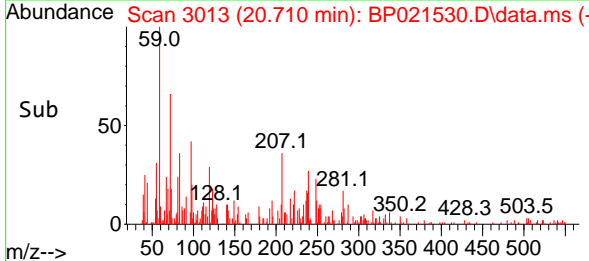
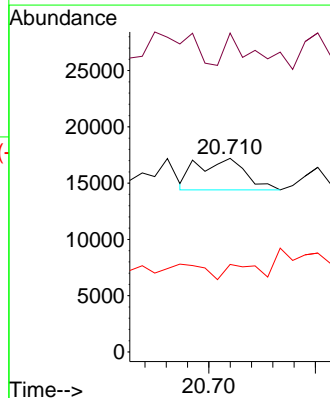
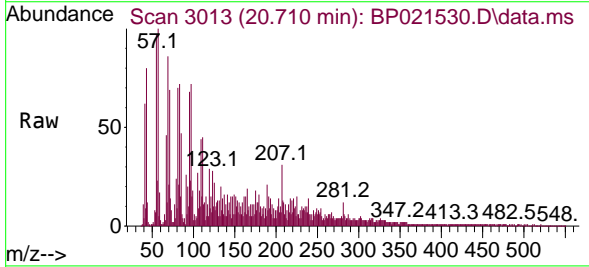
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.6	9.4	14.2

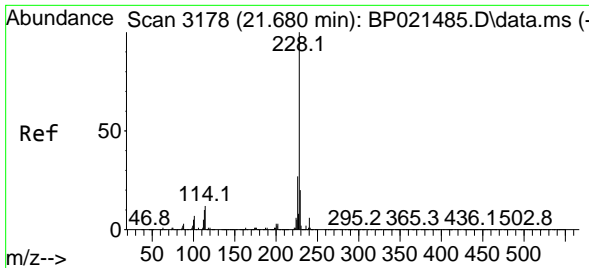


#80  
 Butylbenzylphthalate  
 Concen: 3.691 ng  
 RT: 20.710 min Scan# 3013  
 Delta R.T. -0.000 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Tgt Ion:149 Resp: 4350

Ion	Ratio	Lower	Upper
149	100		
91	164.7	73.3	109.9#
206	45.2	17.1	25.7#



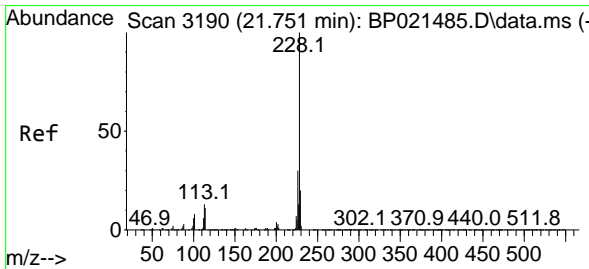
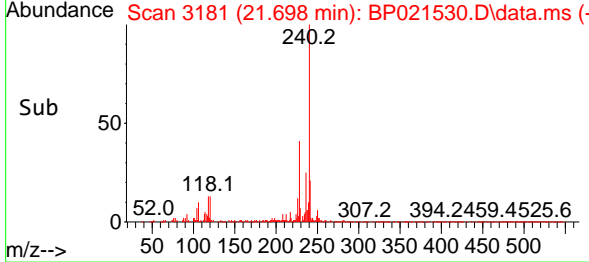
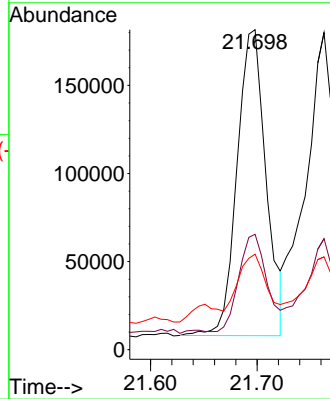
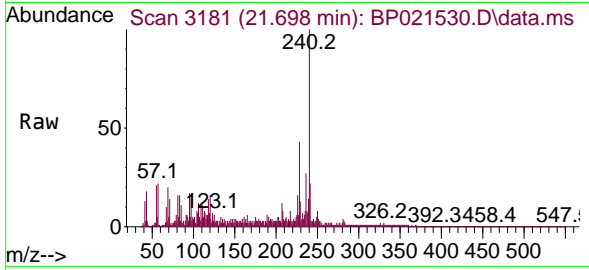


#81  
 Benzo(a)anthracene  
 Concen: 2.841 ng  
 RT: 21.698 min Scan# 3181  
 Delta R.T. 0.018 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Instrument :  
 BNA\_P  
 ClientSampleId :  
 JC-03-081324-B

Tgt Ion:228 Resp: 328469

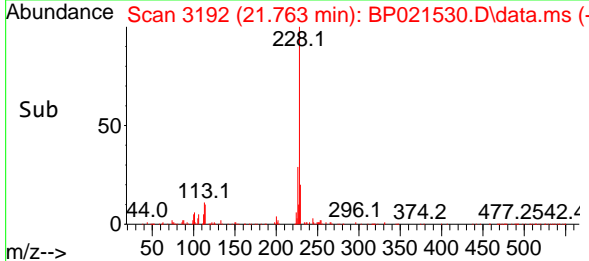
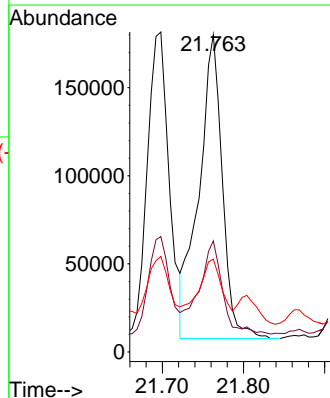
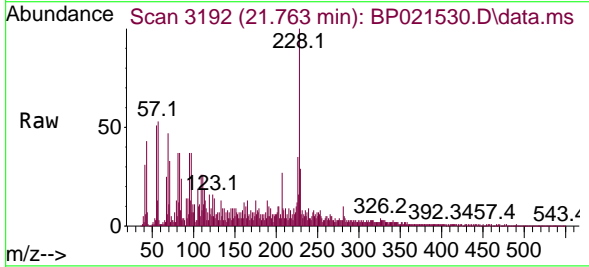
Ion	Ratio	Lower	Upper
228	100		
226	36.0	21.4	32.2#
229	29.8	15.8	23.6#



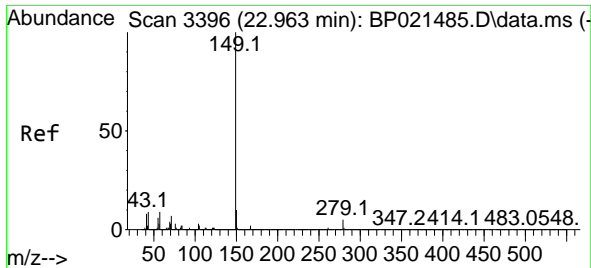
#83  
 Chrysene  
 Concen: 3.184 ng  
 RT: 21.763 min Scan# 3192  
 Delta R.T. 0.012 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Tgt Ion:228 Resp: 347582

Ion	Ratio	Lower	Upper
228	100		
226	35.0	23.9	35.9
229	29.3	15.8	23.6#





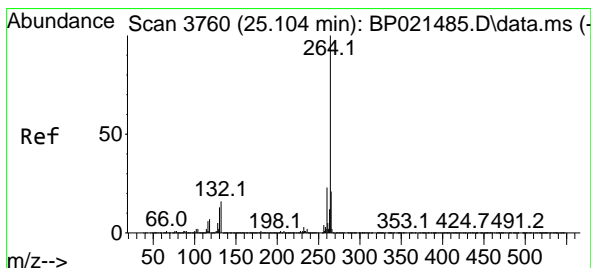
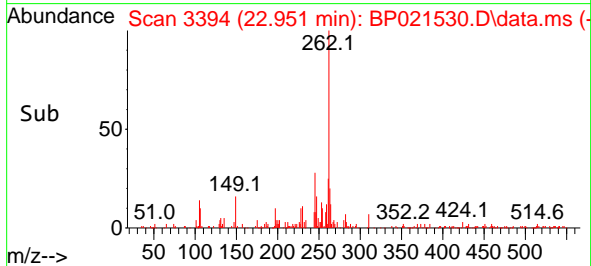
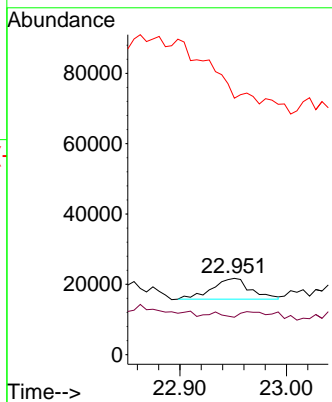
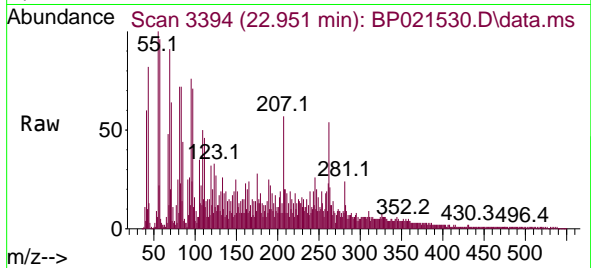


#85  
 Di-n-octyl phthalate  
 Concen: 4.948 ng  
 RT: 22.951 min Scan# 31  
 Delta R.T. -0.012 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Instrument :  
 BNA\_P  
 ClientSampleId :  
 JC-03-081324-B

Tgt Ion:149 Resp: 14872

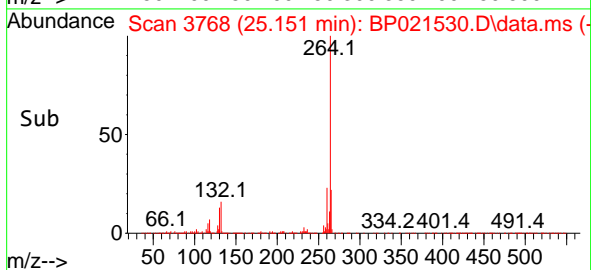
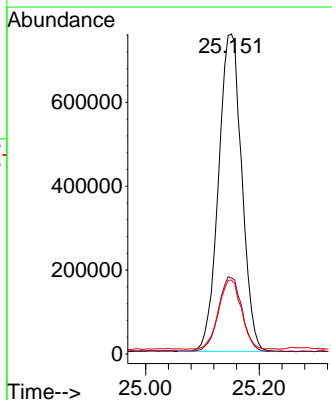
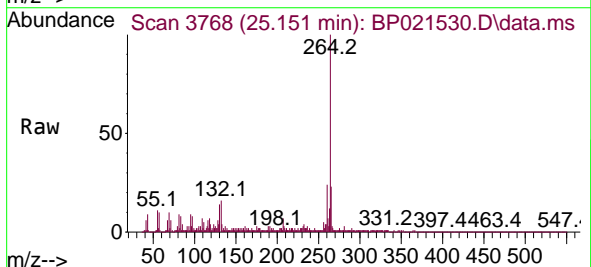
Ion	Ratio	Lower	Upper
149	100		
167	38.2	1.3	1.9#
43	0.0	7.3	10.9#

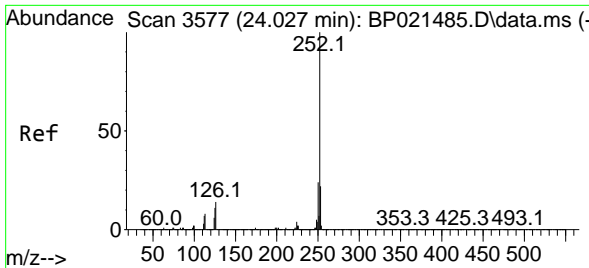


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.151 min Scan# 3768  
 Delta R.T. 0.047 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Tgt Ion:264 Resp: 2155843

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	23.1	17.1	25.7



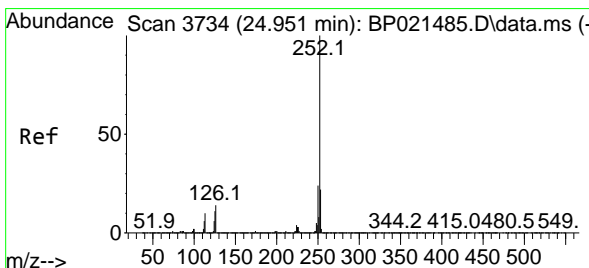
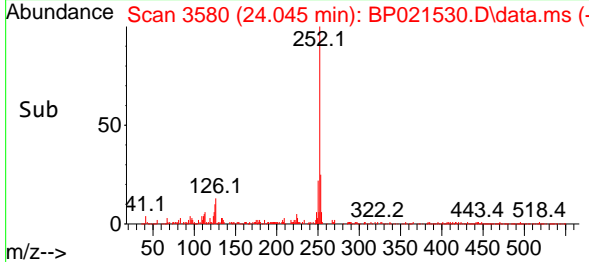
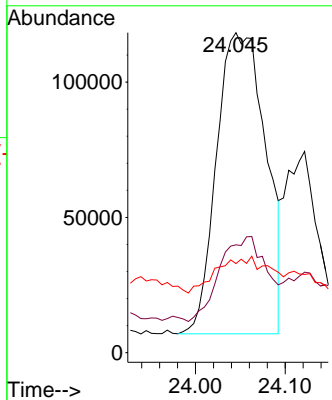
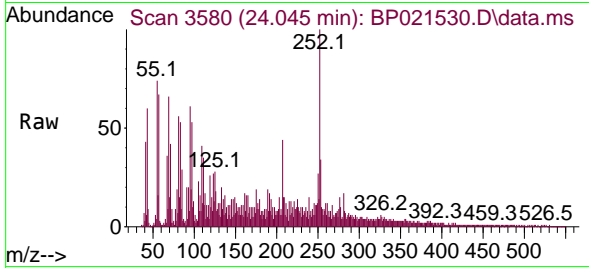


#88  
 Benzo(b)fluoranthene  
 Concen: 3.408 ng  
 RT: 24.045 min Scan# 31  
 Delta R.T. 0.018 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Instrument :  
 BNA\_P  
 ClientSampleId :  
 JC-03-081324-B

Tgt Ion:252 Resp: 421923

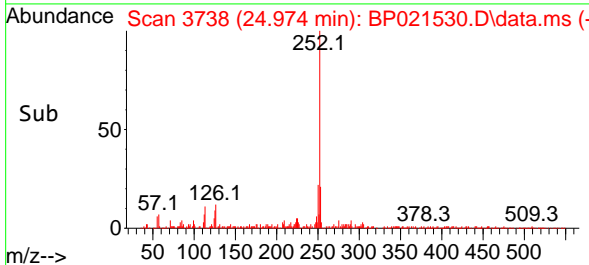
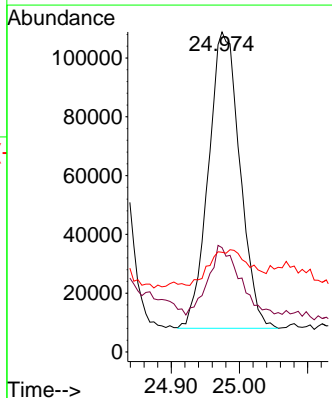
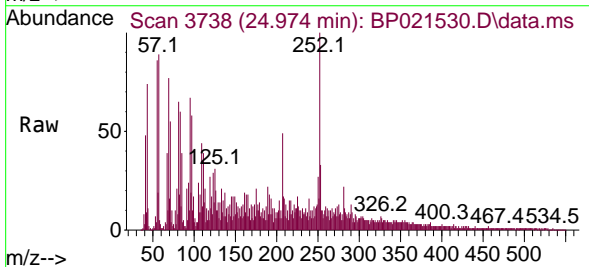
Ion	Ratio	Lower	Upper
252	100		
253	33.7	17.6	26.4#
125	27.9	8.6	13.0#

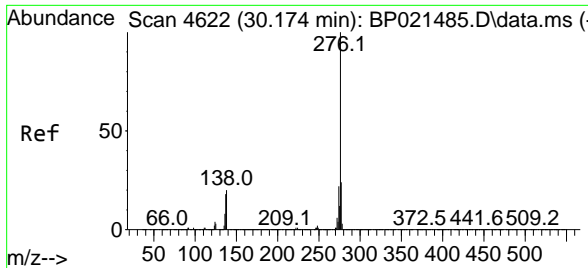


#90  
 Benzo(a)pyrene  
 Concen: 3.014 ng  
 RT: 24.974 min Scan# 3738  
 Delta R.T. 0.024 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Tgt Ion:252 Resp: 323812

Ion	Ratio	Lower	Upper
252	100		
253	32.6	17.7	26.5#
125	31.2	8.7	13.1#





#92  
 Benzo(g,h,i)perylene  
 Concen: 2.064 ng  
 RT: 30.268 min Scan# 4  
 Delta R.T. 0.094 min  
 Lab File: BP021530.D  
 Acq: 16 Aug 2024 02:34

Instrument :  
 BNA\_P  
 ClientSampleId :  
 JC-03-081324-B

Tgt Ion: 276 Resp: 240155

Ion	Ratio	Lower	Upper
276	100		
277	30.0	19.0	28.6#
138	29.8	16.0	24.0#

