

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112921\
 Data File : BP008151.D
 Acq On : 29 Nov 2021 20:28
 Operator : CG/JU
 Sample : M4842-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-112421

Quant Time: Nov 30 00:06:38 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 25 01:13:46 2021
 Response via : Initial Calibration

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

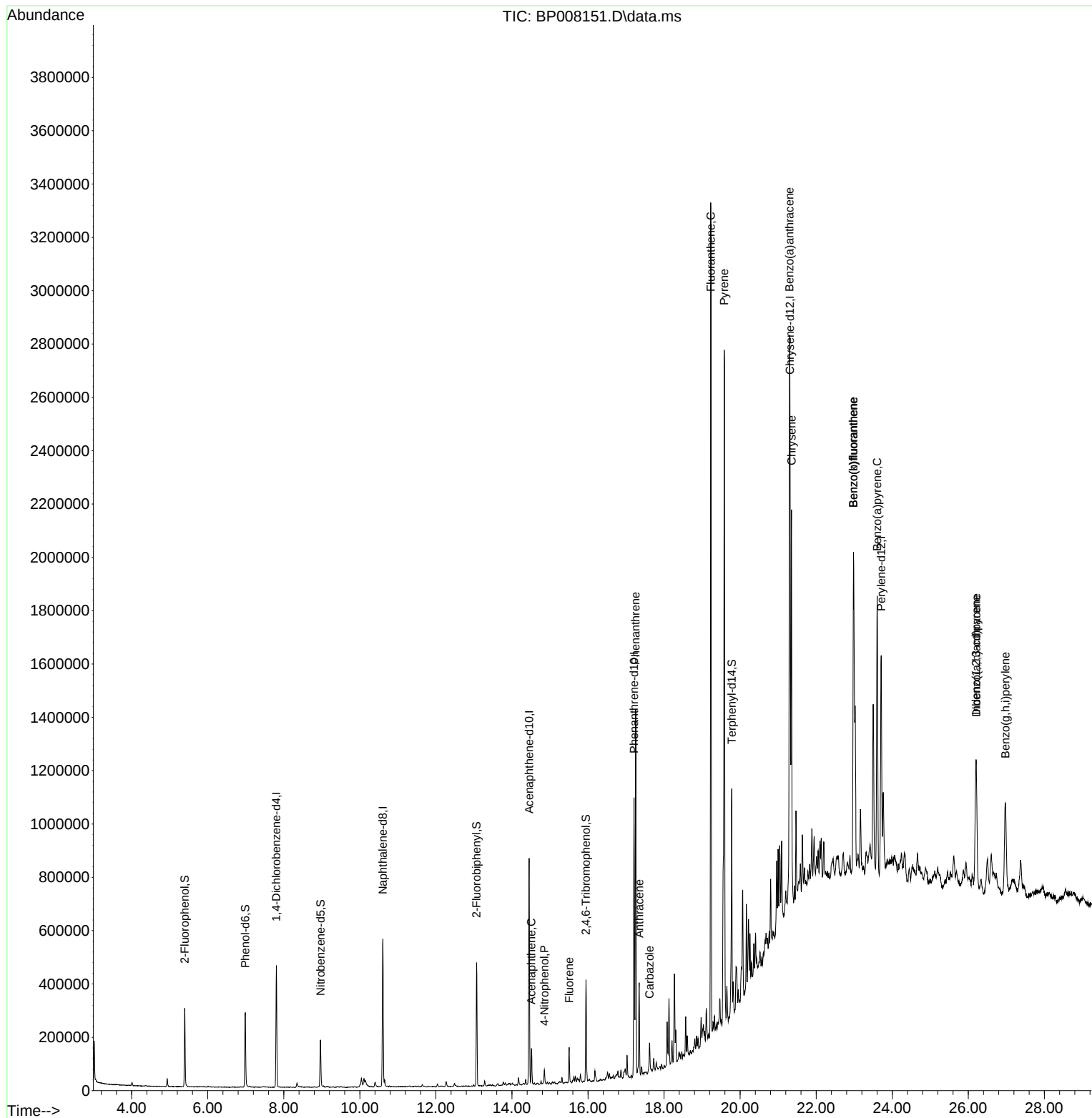
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	117357	20.000	ng	-0.01
21) Naphthalene-d8	10.605	136	443181	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	289434	20.000	ng	0.00
64) Phenanthrene-d10	17.210	188	618880	20.000	ng	0.00
76) Chrysene-d12	21.310	240	595823	20.000	ng	0.00
86) Perylene-d12	23.710	264	653221	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	122078	16.749	ng	-0.01
7) Phenol-d6	6.987	99	158164	16.075	ng	-0.01
23) Nitrobenzene-d5	8.963	82	105907	10.867	ng	-0.01
42) 2,4,6-Tribromophenol	15.945	330	61421	16.603	ng	-0.01
45) 2-Fluorobiphenyl	13.069	172	234201	11.753	ng	-0.01
79) Terphenyl-d14	19.781	244	373633	13.106	ng	0.00
Target Compounds						
9) Benzaldehyde	6.934	77	276	Below Cal		Qvalue
52) Acenaphthene	14.510	154	46168	3.028	ng	# 51
56) 4-Nitrophenol	14.851	139	11780	3.362	ng	# 3
58) Fluorene	15.504	166	55908	2.641	ng	97
71) Phenanthrene	17.251	178	816341	24.983	ng	99
72) Anthracene	17.345	178	213322	6.578	ng	100
73) Carbazole	17.616	167	66865	2.112	ng	97
75) Fluoranthene	19.228	202	1862892	42.321	ng	99
78) Pyrene	19.581	202	1618673	43.019	ng	99
81) Benzo(a)anthracene	21.298	228	929109	23.529	ng	98
83) Chrysene	21.351	228	820829	21.844	ng	98
87) Indeno(1,2,3-cd)pyrene	26.204	276	523532	11.016	ng	# 95
88) Benzo(b)fluoranthene	22.980	252	1082102	27.479	ng	96
89) Benzo(k)fluoranthene	22.980	252	1082102	28.068	ng	96
90) Benzo(a)pyrene	23.604	252	817159	24.279	ng	98
91) Dibenzo(a,h)anthracene	26.210	278	137180	3.476	ng	# 84
92) Benzo(g,h,i)perylene	26.974	276	496349	12.466	ng	98

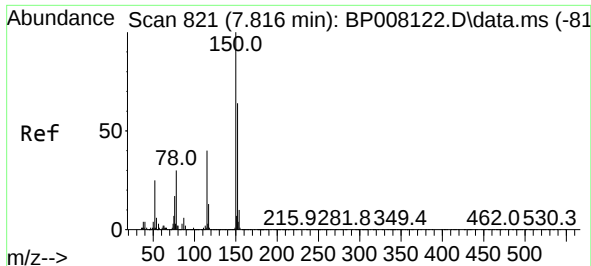
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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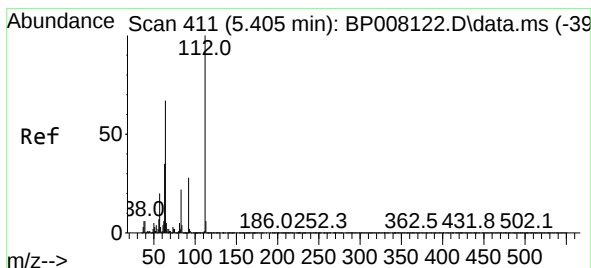
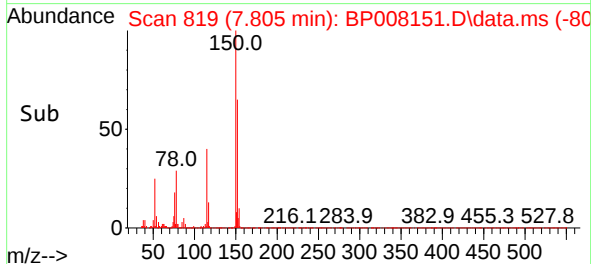
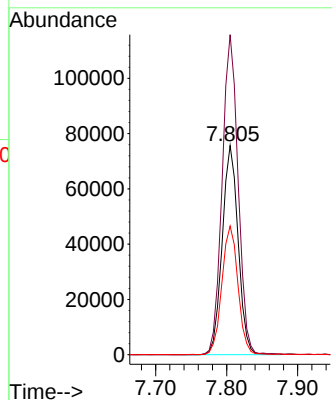
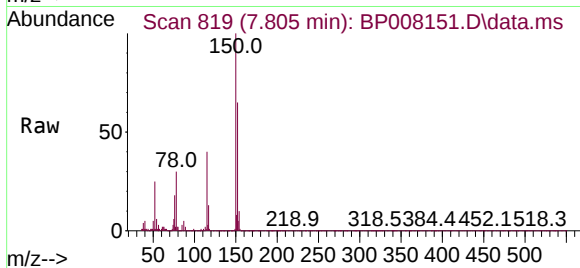




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.805 min Scan# 81
 Delta R.T. -0.011 min
 Lab File: BP008151.D
 Acq: 29 Nov 2021 20:28

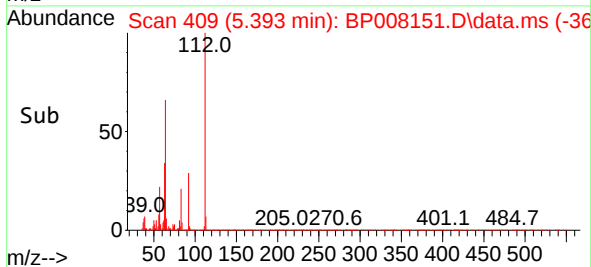
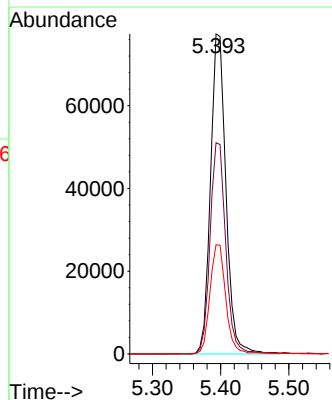
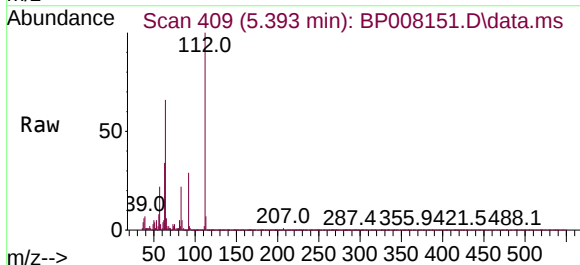
Instrument :
 BNA_P
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 OK-02-112421

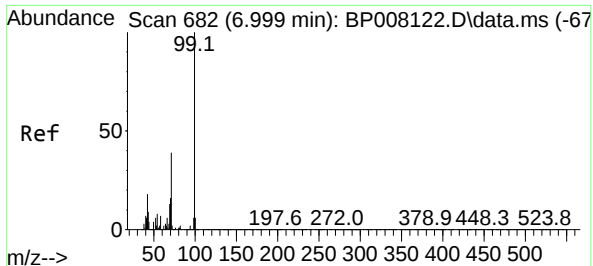
Tgt Ion:152 Resp: 117357
 Ion Ratio Lower Upper
 152 100
 150 153.1 125.7 188.5
 115 61.5 50.7 76.1



#5
 2-Fluorophenol
 Concen: 16.749 ng
 RT: 5.393 min Scan# 409
 Delta R.T. -0.012 min
 Lab File: BP008151.D
 Acq: 29 Nov 2021 20:28

Tgt Ion:112 Resp: 122078
 Ion Ratio Lower Upper
 112 100
 64 66.0 53.4 80.2
 63 34.1 27.8 41.8

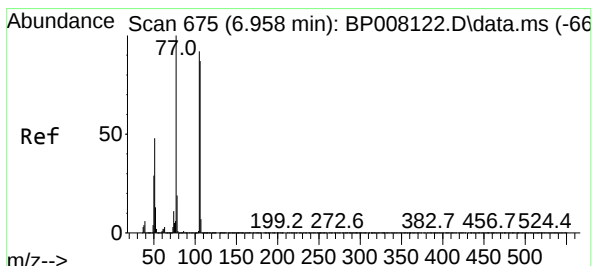
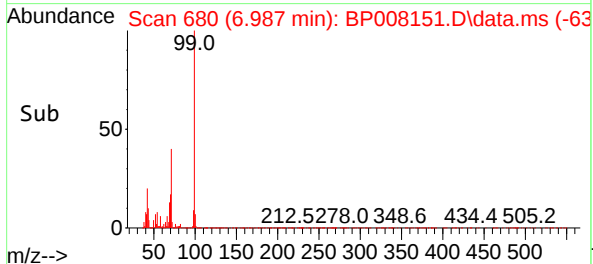
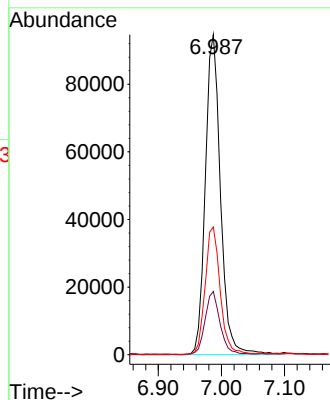
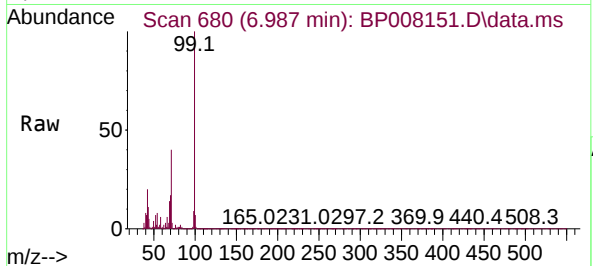




#7
Phenol-d6
Concen: 16.075 ng
RT: 6.987 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

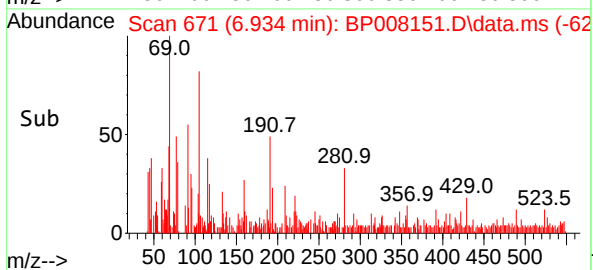
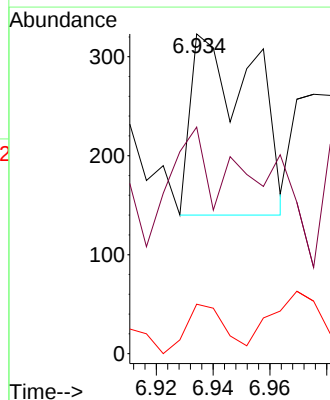
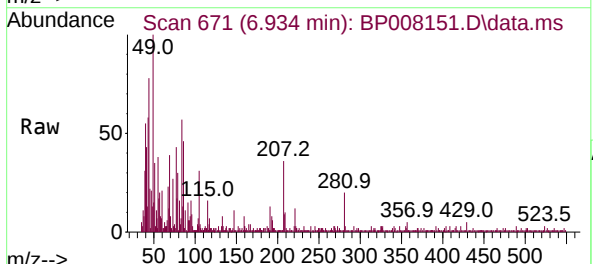
Instrument :
BNA_P
ClientSampleId :
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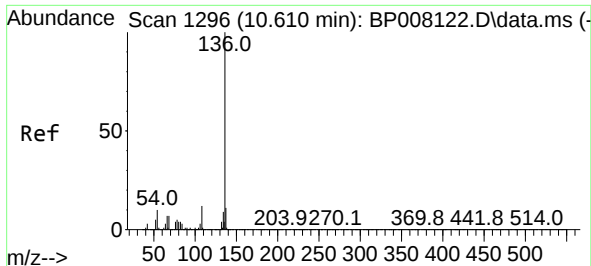
Tgt Ion: 99 Resp: 158164
Ion Ratio Lower Upper
99 100
42 19.8 14.6 22.0
71 39.9 31.1 46.7



#9
Benzaldehyde
Concen: Below Cal
RT: 6.934 min Scan# 671
Delta R.T. -0.024 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

Tgt Ion: 77 Resp: 276
Ion Ratio Lower Upper
77 100
105 70.9 71.8 111.8#
106 15.5 67.3 107.3#

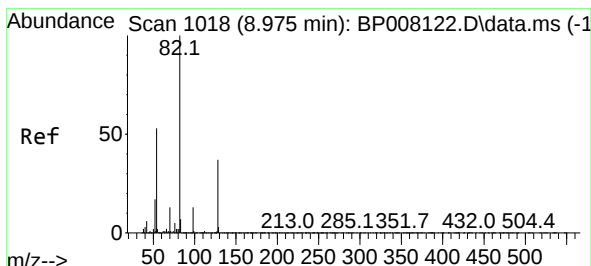
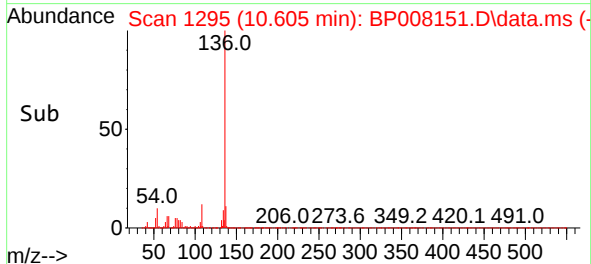
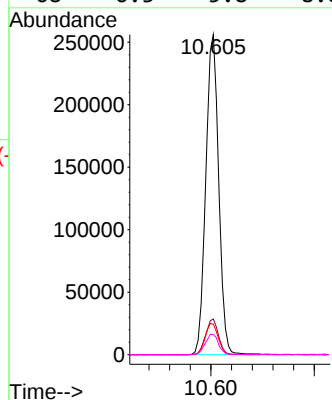
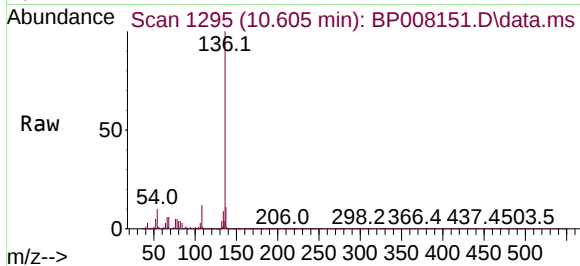




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.605 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

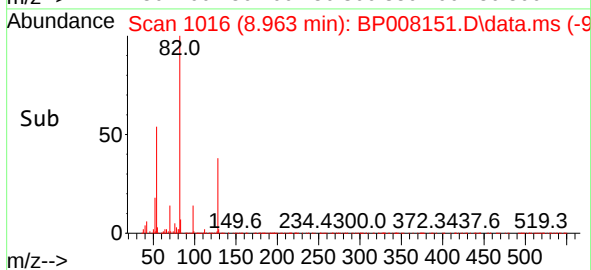
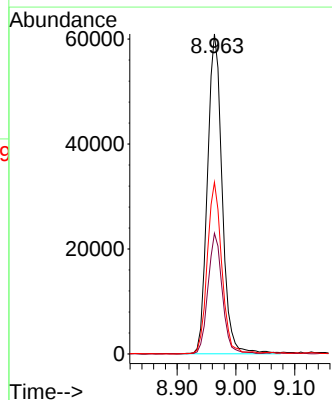
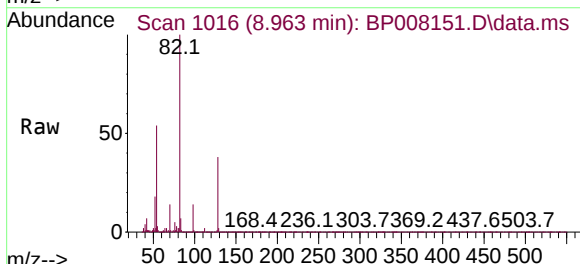
Instrument :
BNA_P
ClientSampleId :
OK-02-112421

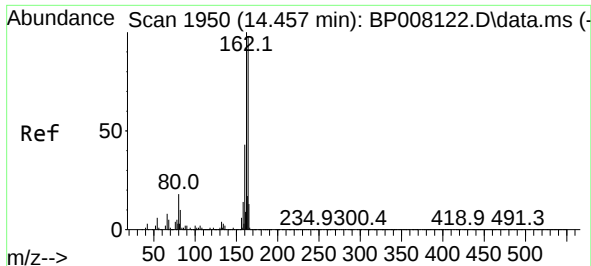
Tgt Ion:	136	Resp:	443181
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.6
54	9.5	8.2	12.4
68	6.3	5.8	8.8



#23
Nitrobenzene-d5
Concen: 10.867 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

Tgt Ion:	82	Resp:	105907
Ion Ratio	Lower	Upper	
82	100		
128	37.7	29.6	44.4
54	53.6	42.7	64.1

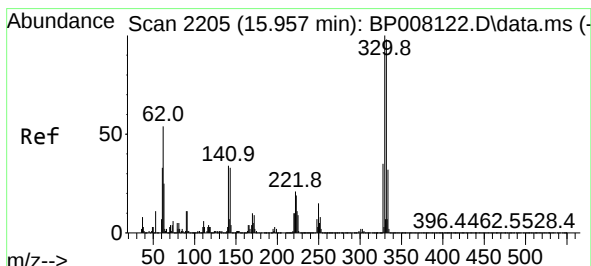
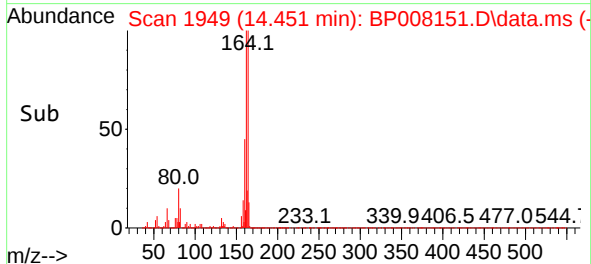
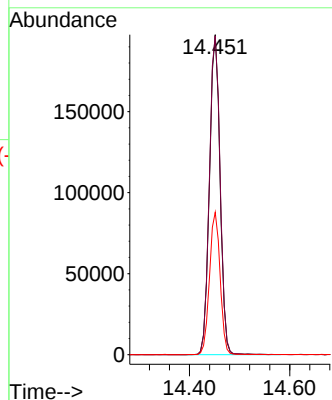
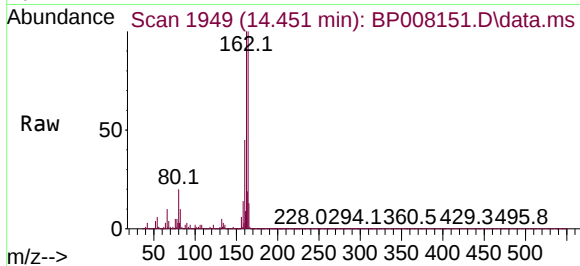




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

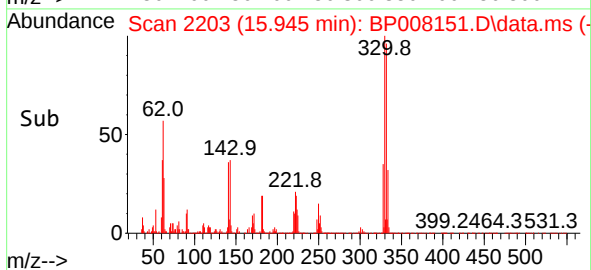
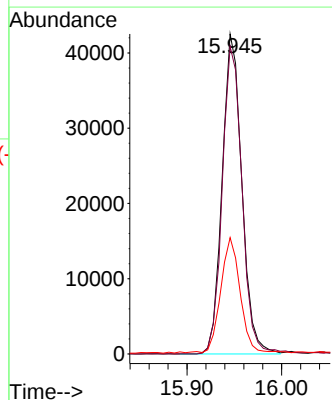
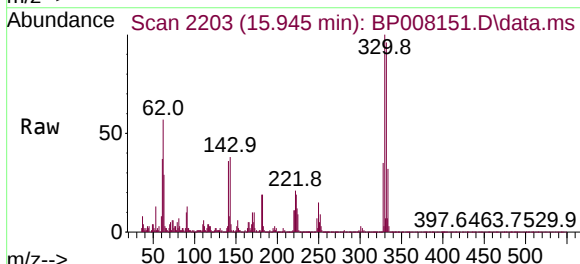
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ClientSampleId :
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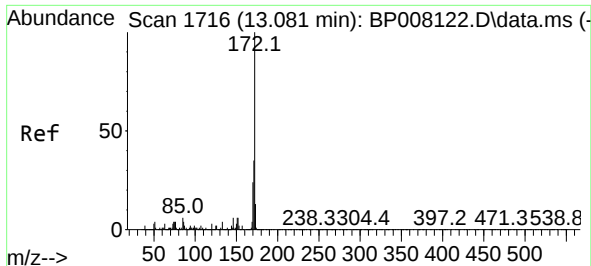
Tgt Ion:164 Resp: 289434
Ion Ratio Lower Upper
164 100
162 99.6 81.9 122.9
160 44.5 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 16.603 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

Tgt Ion:330 Resp: 61421
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.4
141 36.2 28.4 42.6

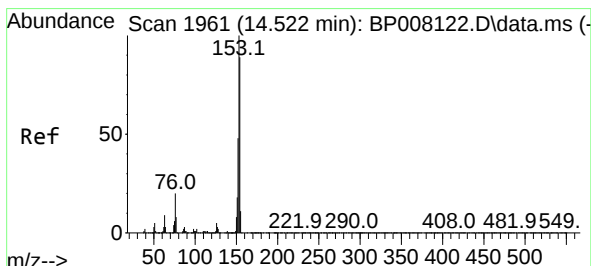
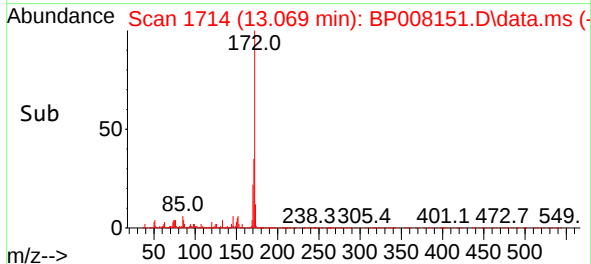
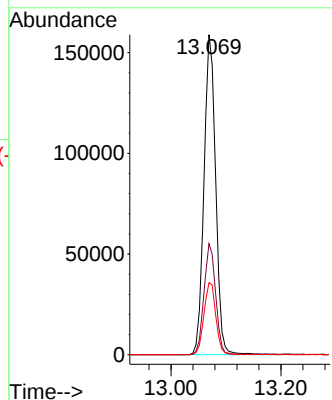
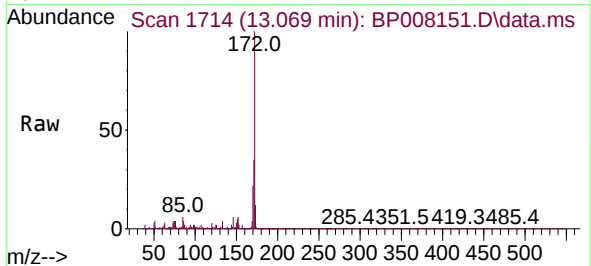




#45
2-Fluorobiphenyl
Concen: 11.753 ng
RT: 13.069 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

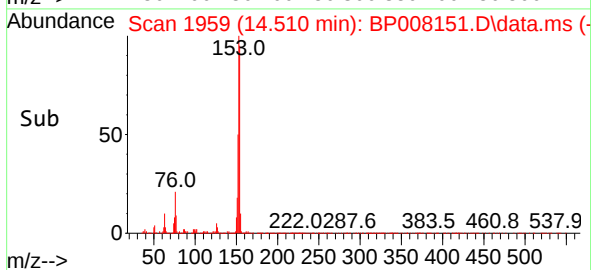
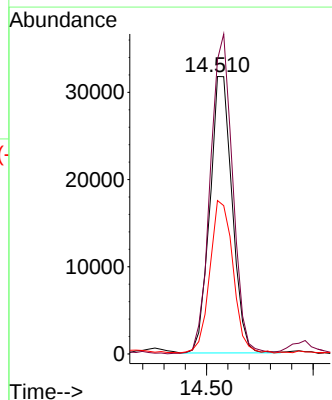
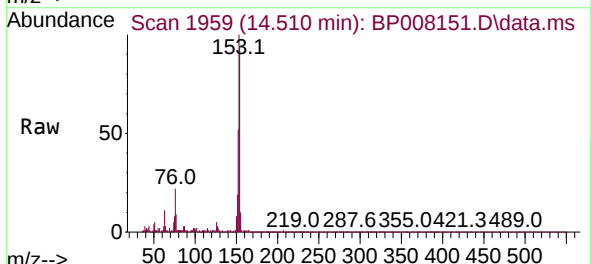
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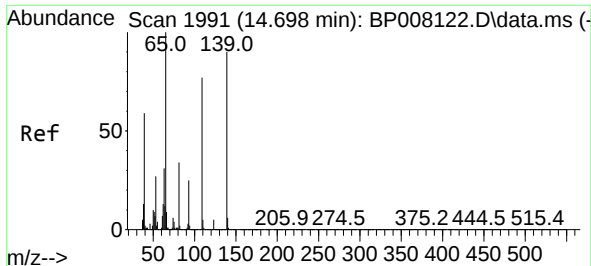
Tgt Ion:172 Resp: 234201
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 22.5 18.9 28.3



#52
Acenaphthene
Concen: 3.028 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

Tgt Ion:154 Resp: 46168
Ion Ratio Lower Upper
154 100
153 106.1 90.3 135.5
152 55.3 43.3 64.9

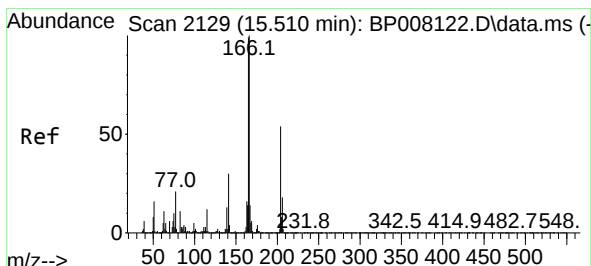
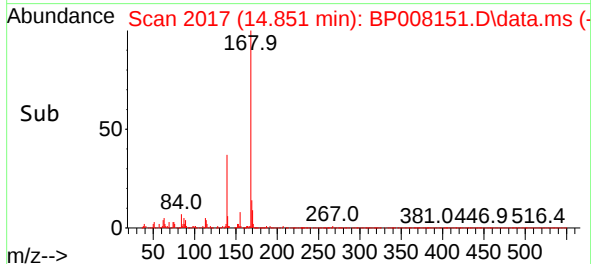
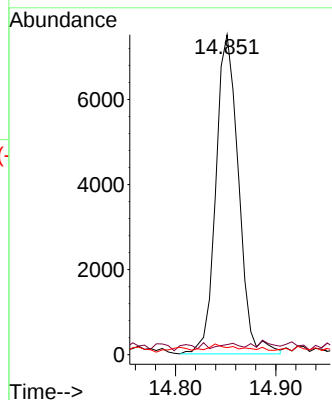
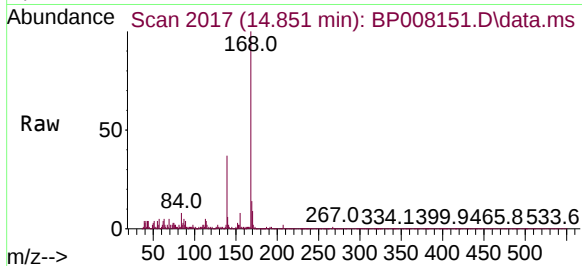




#56
4-Nitrophenol
Concen: 3.362 ng
RT: 14.851 min Scan# 20
Delta R.T. 0.153 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

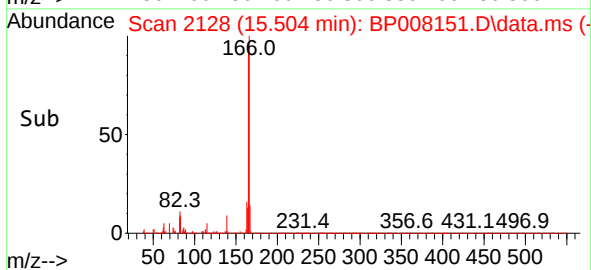
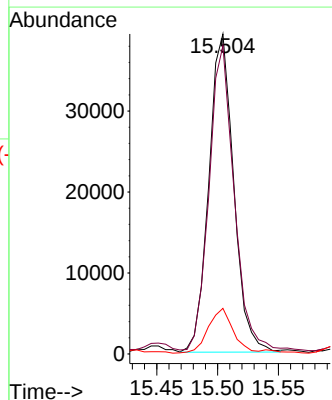
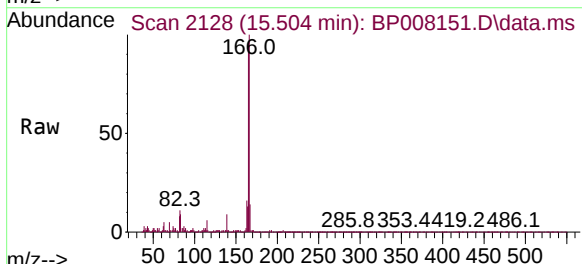
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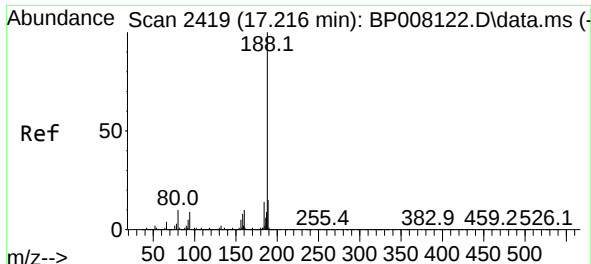
Tgt Ion:139 Resp: 11780
Ion Ratio Lower Upper
139 100
109 3.1 65.9 105.9#
65 2.2 91.9 131.9#



#58
Fluorene
Concen: 2.641 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

Tgt Ion:166 Resp: 55908
Ion Ratio Lower Upper
166 100
165 96.3 79.4 119.2
167 14.3 10.9 16.3

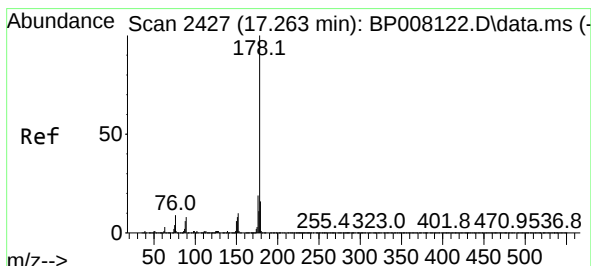
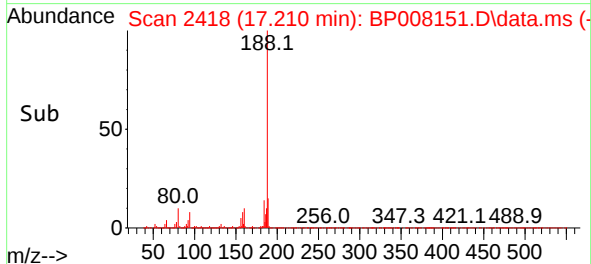
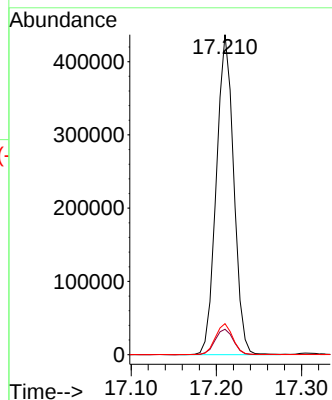
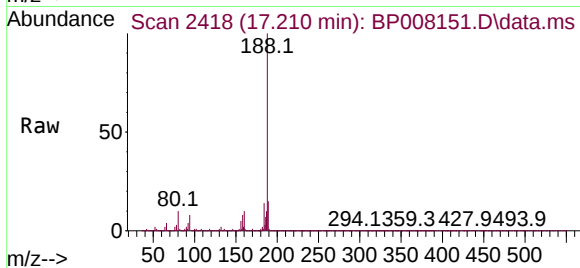




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

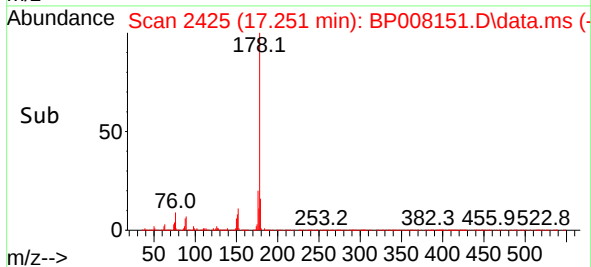
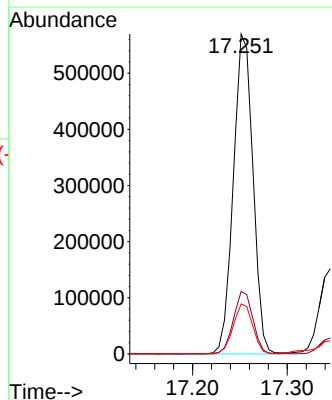
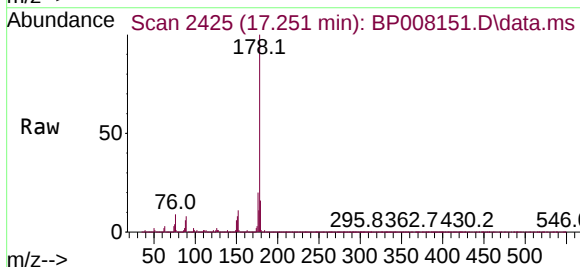
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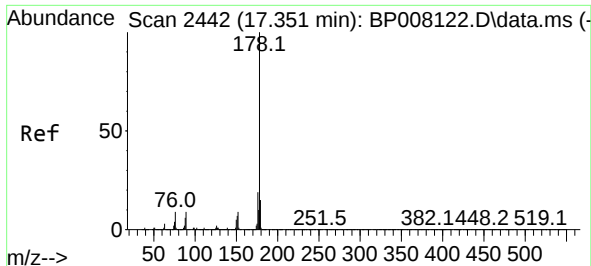
Tgt Ion:188 Resp: 618880
Ion Ratio Lower Upper
188 100
94 8.0 7.2 10.8
80 9.7 8.2 12.4



#71
Phenanthrene
Concen: 24.983 ng
RT: 17.251 min Scan# 2425
Delta R.T. -0.012 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

Tgt Ion:178 Resp: 816341
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.7 12.5 18.7

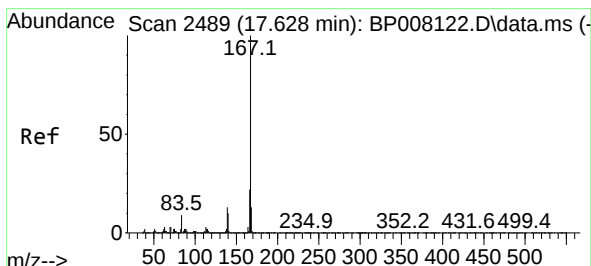
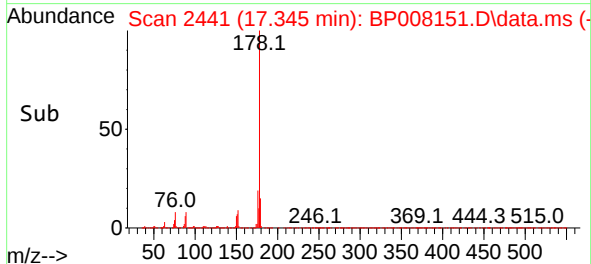
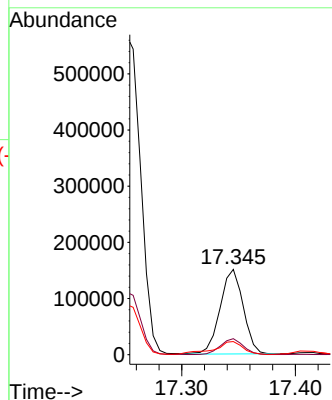
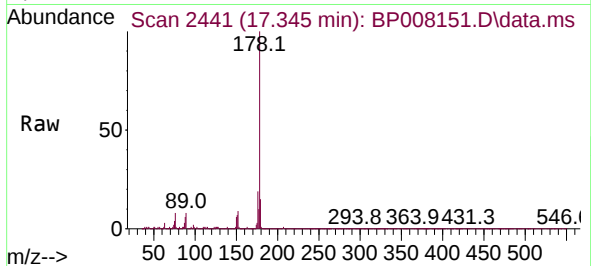




#72
 Anthracene
 Concen: 6.578 ng
 RT: 17.345 min Scan# 2442
 Delta R.T. -0.006 min
 Lab File: BP008151.D
 Acq: 29 Nov 2021 20:28

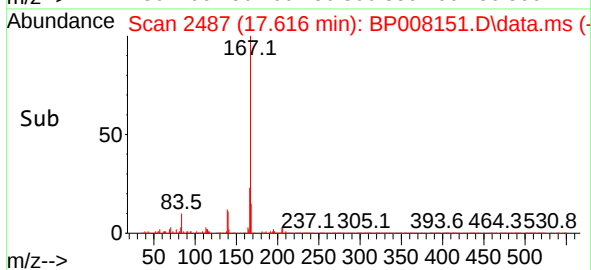
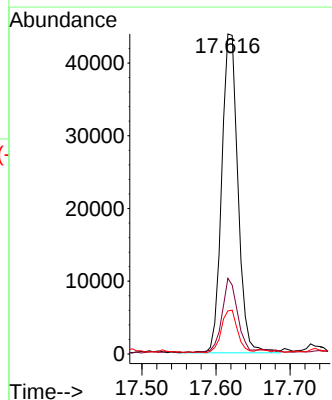
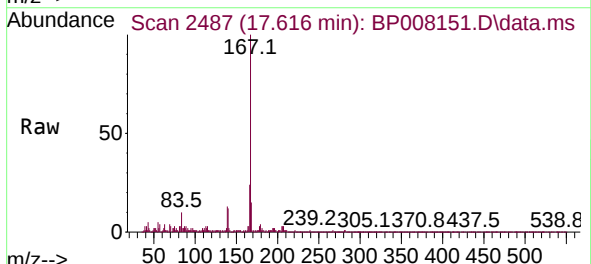
Instrument :
 BNA_P
 ClientSampleId :
 OK-02-112421

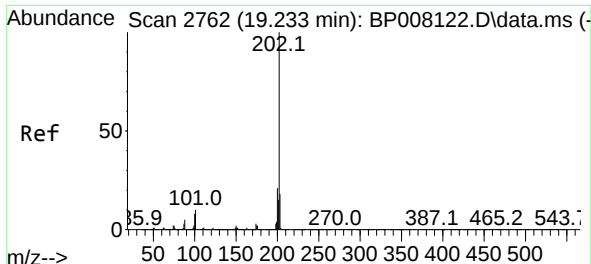
Tgt Ion:178 Resp: 213322
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.1 22.7
 179 15.3 12.3 18.5



#73
 Carbazole
 Concen: 2.112 ng
 RT: 17.616 min Scan# 2487
 Delta R.T. -0.012 min
 Lab File: BP008151.D
 Acq: 29 Nov 2021 20:28

Tgt Ion:167 Resp: 66865
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.4 26.0
 139 13.5 10.2 15.2

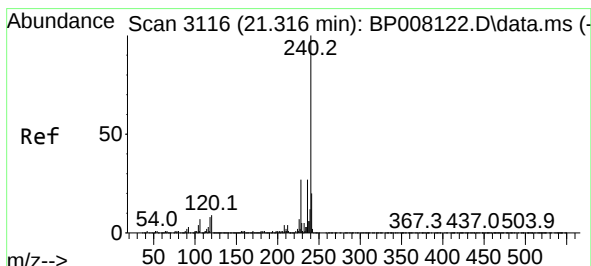
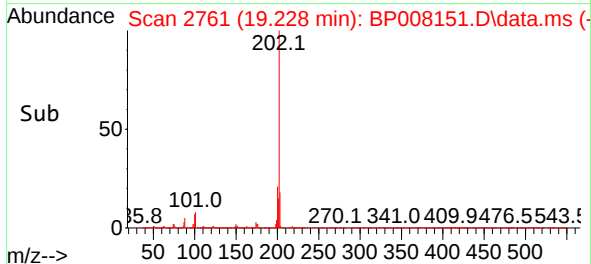
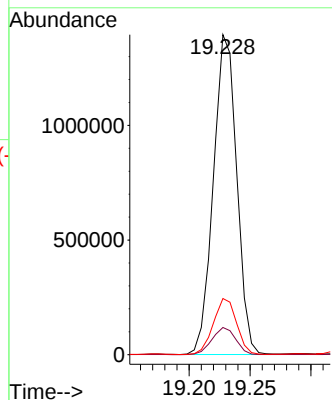
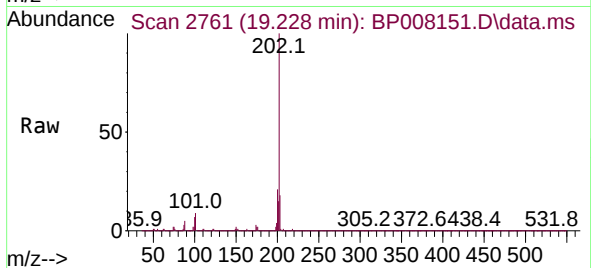




#75
Fluoranthene
Concen: 42.321 ng
RT: 19.228 min Scan# 21
Delta R.T. -0.005 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

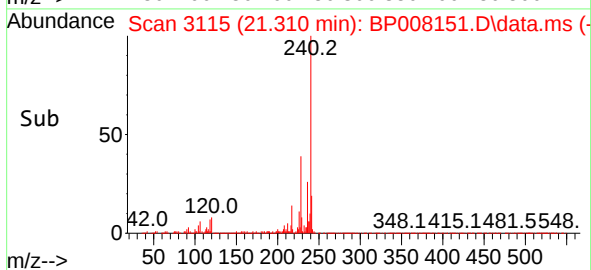
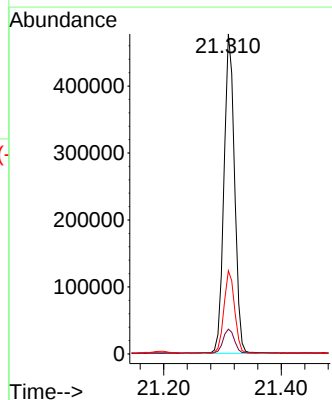
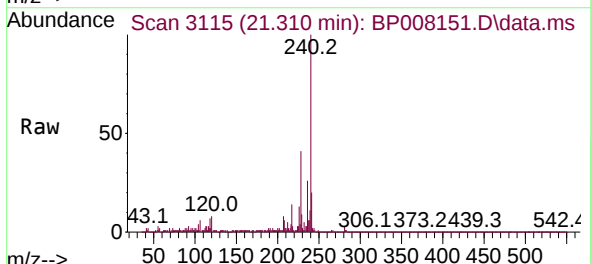
Instrument :
BNA_P
ClientSampleId :
OK-02-112421

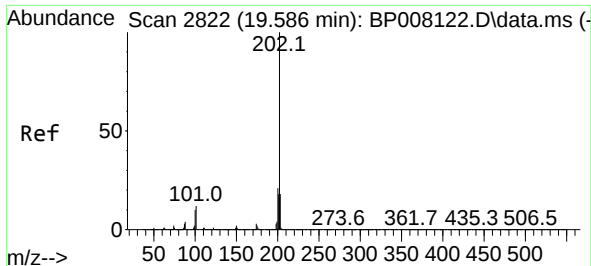
Tgt Ion:202 Resp: 1862892
Ion Ratio Lower Upper
202 100
101 8.5 0.0 29.8
203 17.6 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.310 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

Tgt Ion:240 Resp: 595823
Ion Ratio Lower Upper
240 100
120 7.7 7.3 10.9
236 26.0 21.4 32.2

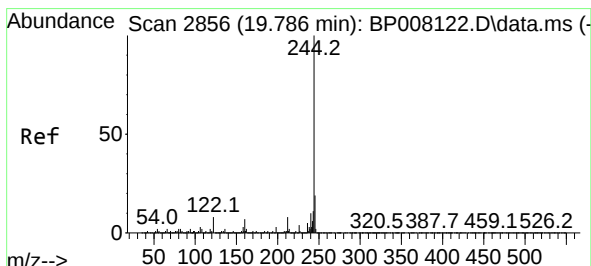
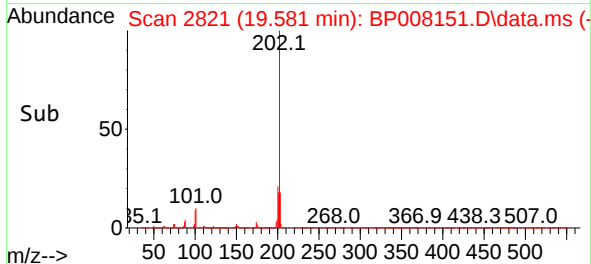
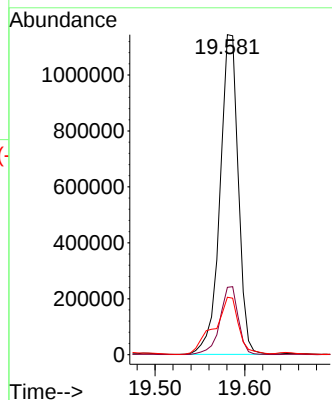
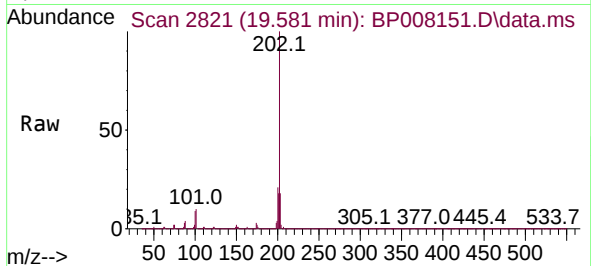




#78
 Pyrene
 Concen: 43.019 ng
 RT: 19.581 min Scan# 2821
 Delta R.T. -0.005 min
 Lab File: BP008151.D
 Acq: 29 Nov 2021 20:28

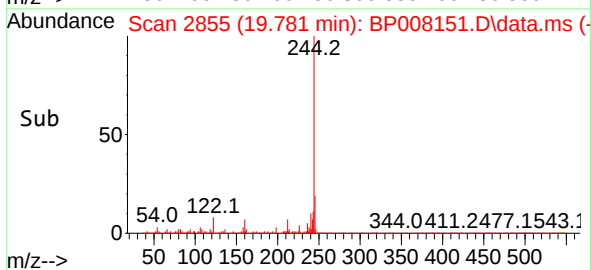
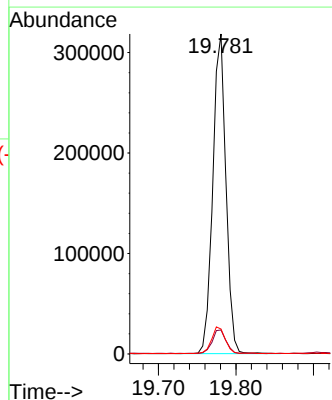
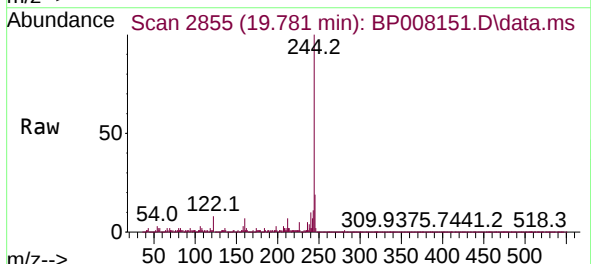
Instrument :
 BNA_P
 ClientSampleId :
 OK-02-112421

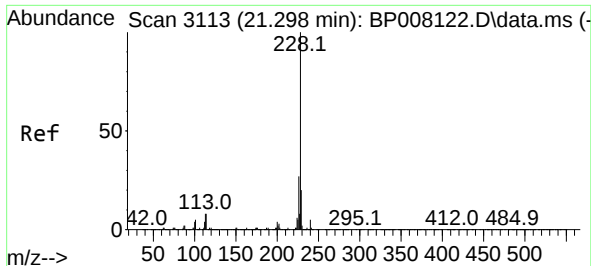
Tgt Ion:202 Resp: 1618673
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.1 25.7
 203 17.9 14.2 21.2



#79
 Terphenyl-d14
 Concen: 13.106 ng
 RT: 19.781 min Scan# 2855
 Delta R.T. -0.005 min
 Lab File: BP008151.D
 Acq: 29 Nov 2021 20:28

Tgt Ion:244 Resp: 373633
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 7.8 6.6 9.8

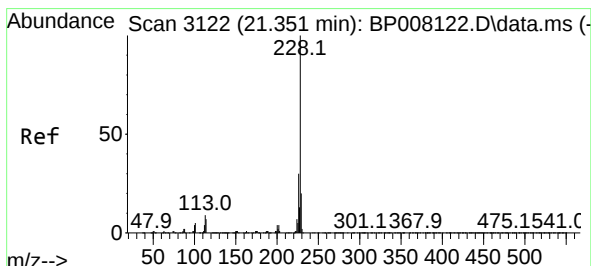
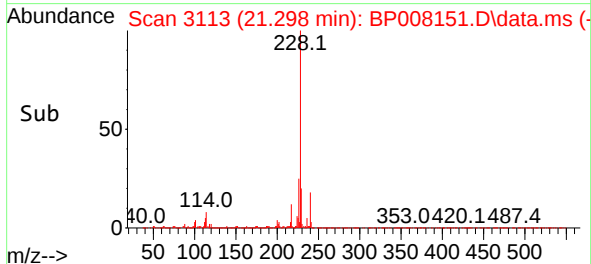
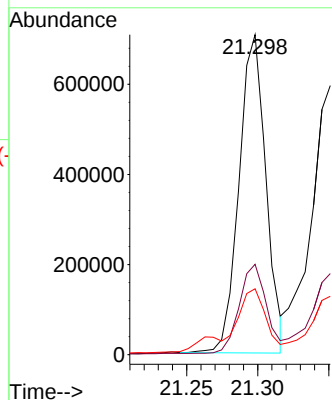
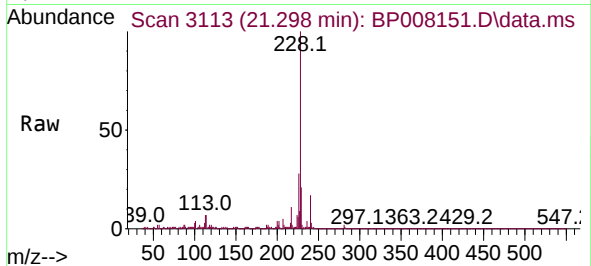




#81
Benzo(a)anthracene
Concen: 23.529 ng
RT: 21.298 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

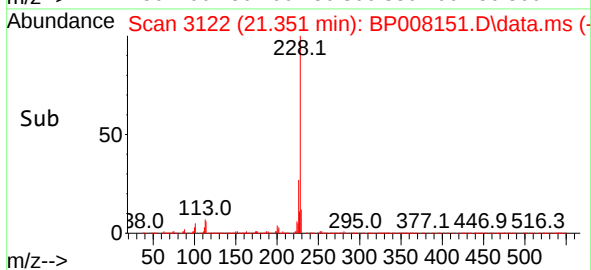
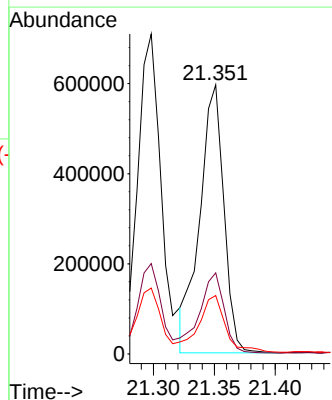
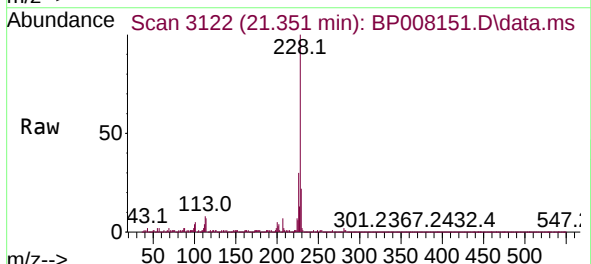
Instrument :
BNA_P
ClientSampleId :
OK-02-112421

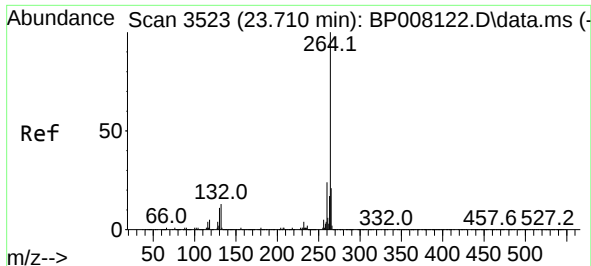
Tgt Ion:228 Resp: 929109
Ion Ratio Lower Upper
228 100
226 28.3 21.9 32.9
229 20.6 15.9 23.9



#83
Chrysene
Concen: 21.844 ng
RT: 21.351 min Scan# 3122
Delta R.T. 0.000 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

Tgt Ion:228 Resp: 820829
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 21.7 15.8 23.8

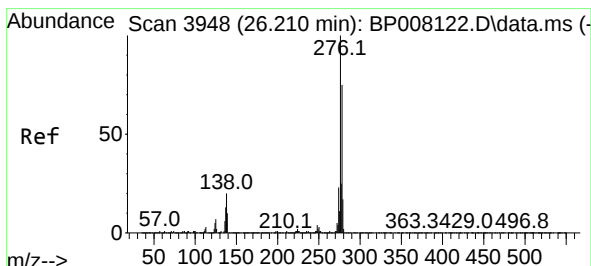
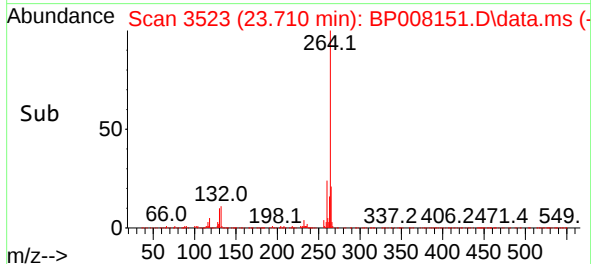
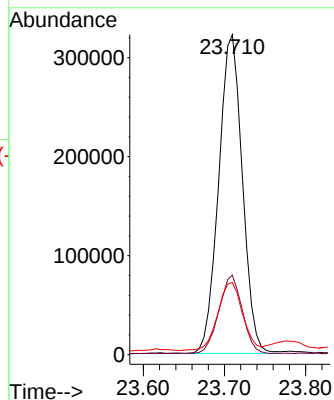
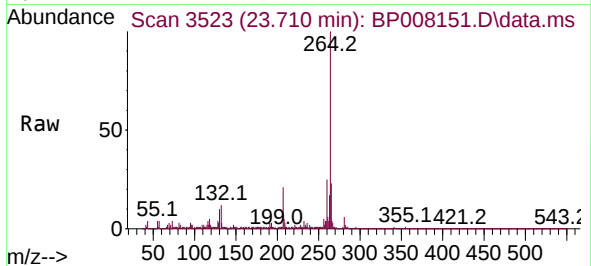




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.710 min Scan# 3523
 Delta R.T. 0.000 min
 Lab File: BP008151.D
 Acq: 29 Nov 2021 20:28

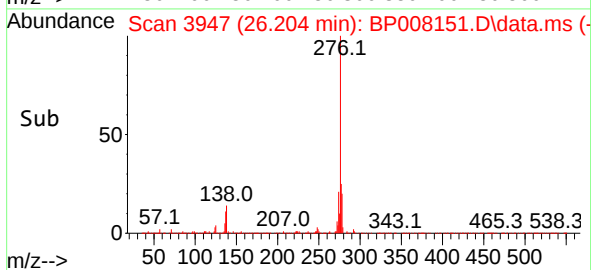
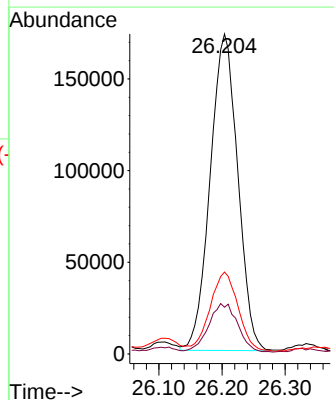
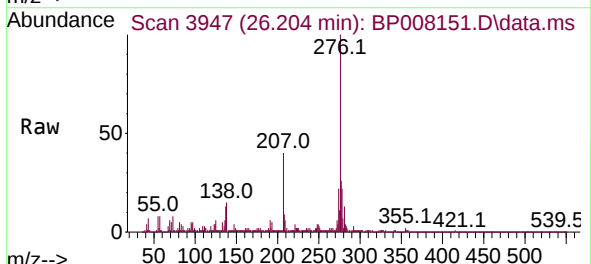
Instrument :
 BNA_P
 ClientSampleId :
 OK-02-112421

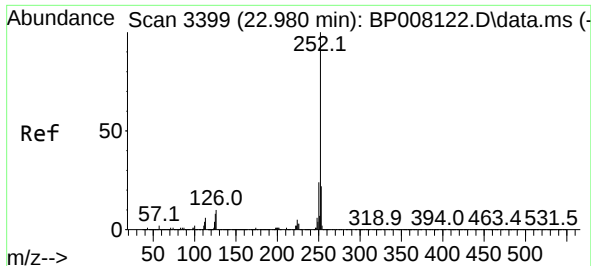
Tgt Ion:264 Resp: 653221
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.4 29.2
 265 22.5 17.6 26.4



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.016 ng
 RT: 26.204 min Scan# 3947
 Delta R.T. -0.006 min
 Lab File: BP008151.D
 Acq: 29 Nov 2021 20:28

Tgt Ion:276 Resp: 523532
 Ion Ratio Lower Upper
 276 100
 138 16.2 16.6 25.0#
 277 25.3 20.2 30.2

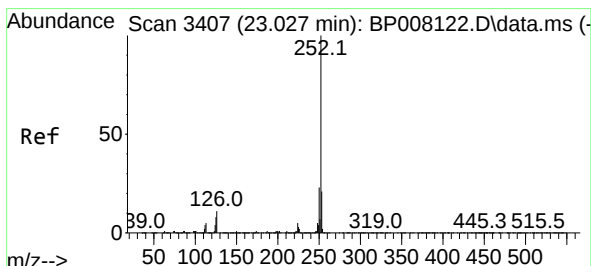
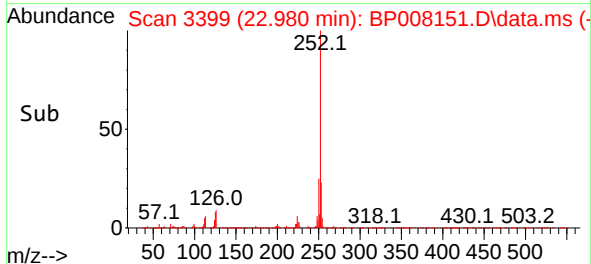
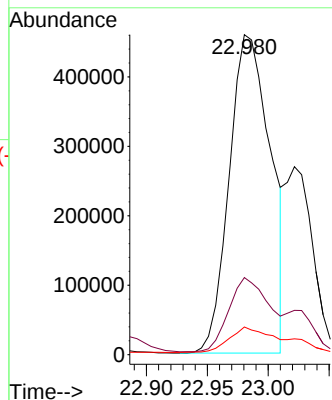
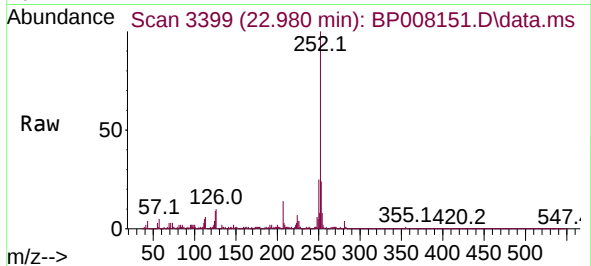




#88
Benzo(b)fluoranthene
Concen: 27.479 ng
RT: 22.980 min Scan# 3399
Delta R.T. 0.000 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

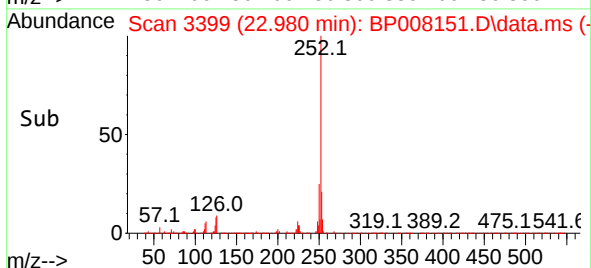
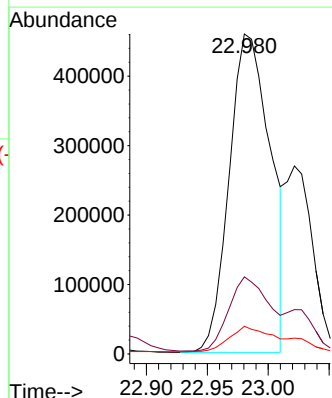
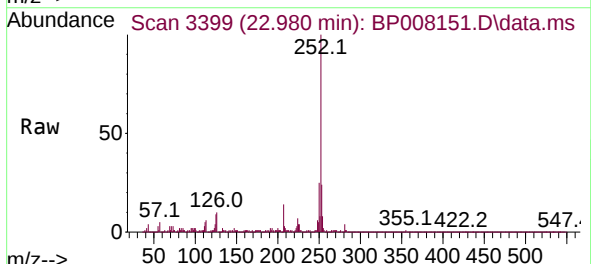
Instrument :
BNA_P
ClientSampleId :
OK-02-112421

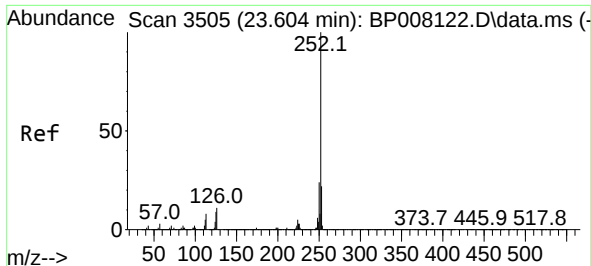
Tgt Ion:252 Resp: 1082102
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 8.6 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 28.068 ng
RT: 22.980 min Scan# 3399
Delta R.T. -0.047 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

Tgt Ion:252 Resp: 1082102
Ion Ratio Lower Upper
252 100
253 24.1 17.3 25.9
125 8.6 6.5 9.7

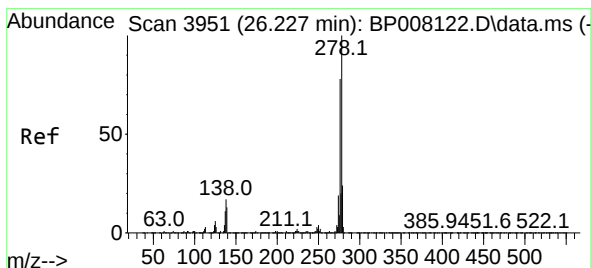
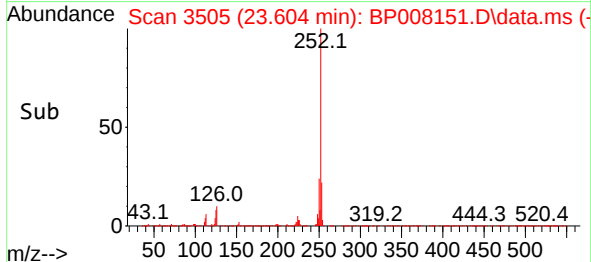
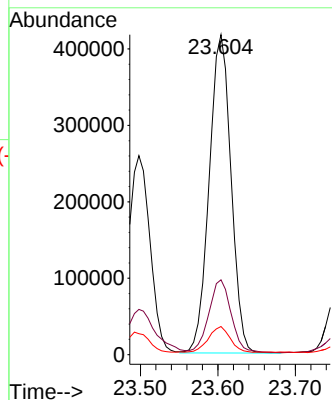
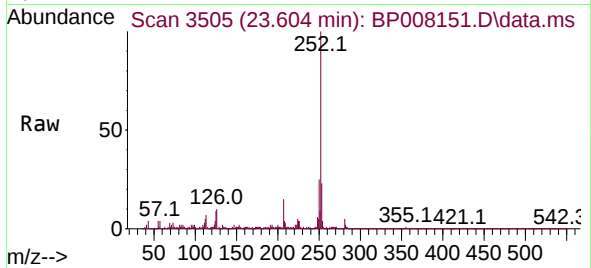




#90
Benzo(a)pyrene
Concen: 24.279 ng
RT: 23.604 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

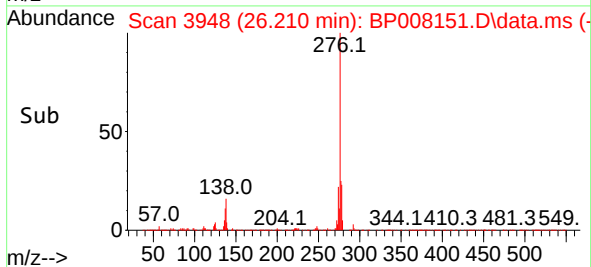
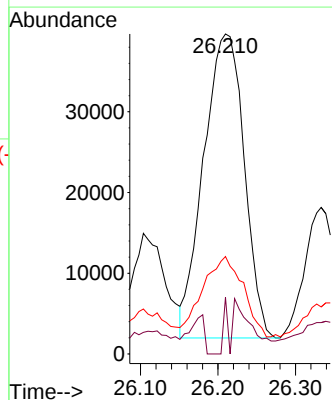
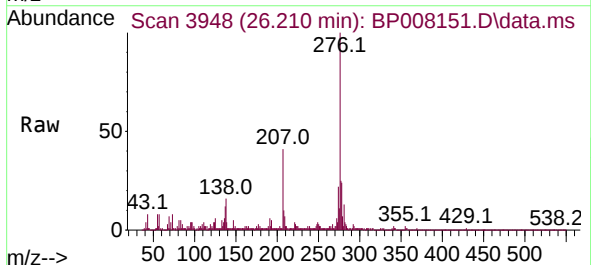
Instrument :
BNA_P
ClientSampleId :
OK-02-112421

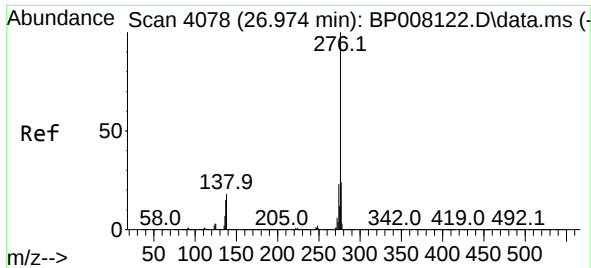
Tgt Ion:252 Resp: 817159
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 8.8 7.4 11.0



#91
Dibenzo(a,h)anthracene
Concen: 3.476 ng
RT: 26.210 min Scan# 3948
Delta R.T. -0.018 min
Lab File: BP008151.D
Acq: 29 Nov 2021 20:28

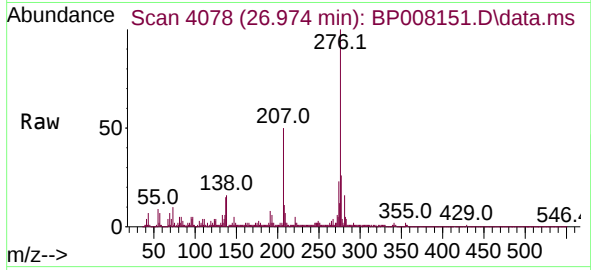
Tgt Ion:278 Resp: 137180
Ion Ratio Lower Upper
278 100
139 21.7 10.8 16.2#
279 30.4 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 12.466 ng
 RT: 26.974 min Scan# 4078
 Delta R.T. 0.000 min
 Lab File: BP008151.D
 Acq: 29 Nov 2021 20:28

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-112421



Tgt Ion:276 Resp: 496349

Ion	Ratio	Lower	Upper
276	100		
277	25.7	20.0	30.0
138	16.4	14.1	21.1

