

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033122\
 Data File : BP009648.D
 Acq On : 31 Mar 2022 20:06
 Operator : CG/JU
 Sample : N2123-01DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 20220388-COMP-CS-1DL

Quant Time: Apr 01 04:11:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

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

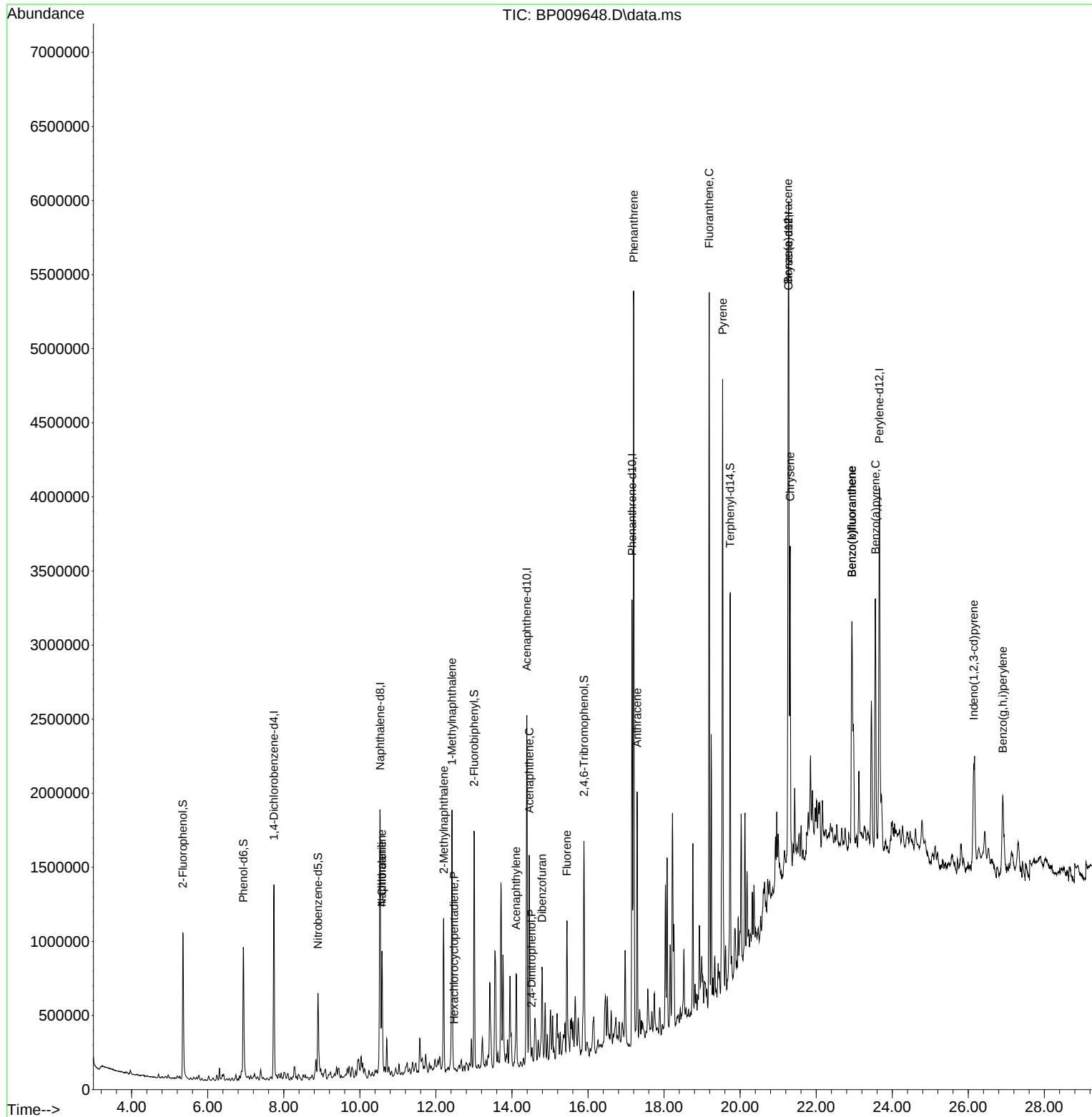
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	394008	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1589771	20.000	ng	0.00
39) Acenaphthene-d10	14.393	164	899022	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1923104	20.000	ng	0.00
76) Chrysene-d12	21.275	240	1734940	20.000	ng	0.00
86) Perylene-d12	23.663	264	1978435	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	555000	24.593	ng	0.00
7) Phenol-d6	6.934	99	702527	23.019	ng	0.00
23) Nitrobenzene-d5	8.899	82	433545	14.492	ng	0.00
42) 2,4,6-Tribromophenol	15.892	330	289908	19.542	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	931874	14.369	ng	0.00
79) Terphenyl-d14	19.739	244	1328223	13.741	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.899	77	1761	Below Cal	#	1
31) Naphthalene	10.581	128	727707	8.887	ng	100
33) 4-Chloroaniline	10.581	127	95049	2.844	ng	# 35
37) 2-Methylnaphthalene	12.204	142	522703	9.097	ng	98
38) 1-Methylnaphthalene	12.422	142	878314	15.692	ng	99
41) Hexachlorocyclopentadiene	12.475	237	48	7.292	ng	79
49) Acenaphthylene	14.110	152	177960	2.183	ng	# 85
52) Acenaphthene	14.457	154	542637	11.144	ng	99
54) 2,4-Dinitrophenol	14.516	184	181	4.552	ng	# 1
55) Dibenzofuran	14.793	168	188800	2.308	ng	# 87
58) Fluorene	15.445	166	424991	6.606	ng	98
71) Phenanthrene	17.204	178	3333953	32.386	ng	99
72) Anthracene	17.292	178	1110548	10.926	ng	99
75) Fluoranthene	19.186	202	2898739	23.259	ng	98
78) Pyrene	19.539	202	2735202	23.925	ng	100
81) Benzo(a)anthracene	21.263	228	1557857	13.667	ng	98
83) Chrysene	21.316	228	1249007	11.572	ng	99
87) Indeno(1,2,3-cd)pyrene	26.145	276	779033	5.190	ng	# 93
88) Benzo(b)fluoranthene	22.939	252	1539793	13.037	ng	99
89) Benzo(k)fluoranthene	22.939	252	1539793	13.316	ng	98
90) Benzo(a)pyrene	23.557	252	1376682	13.624	ng	98
92) Benzo(g,h,i)perylene	26.910	276	739622	6.010	ng	96

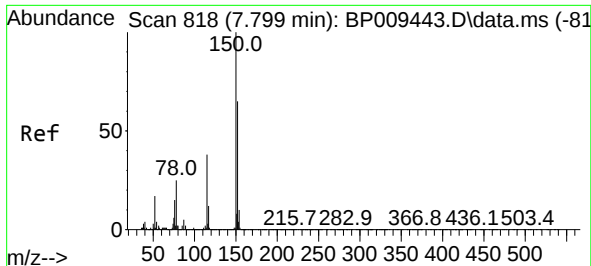
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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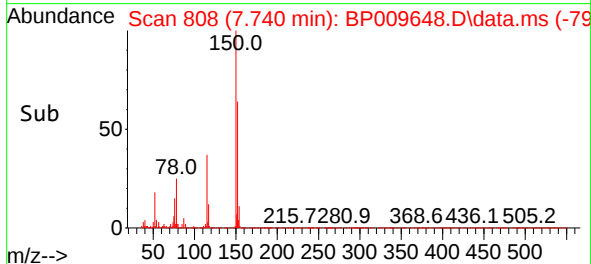
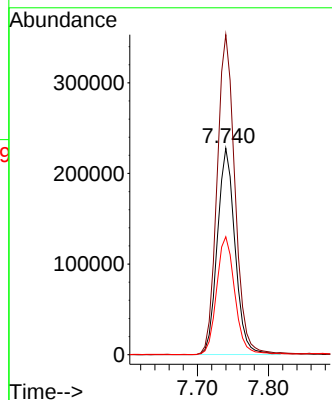
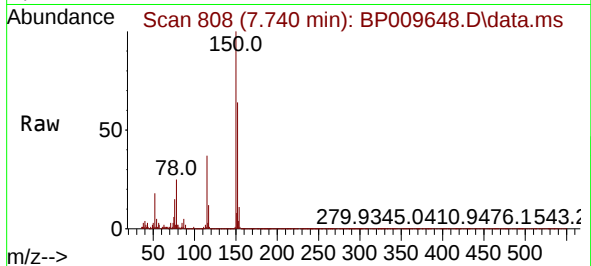




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

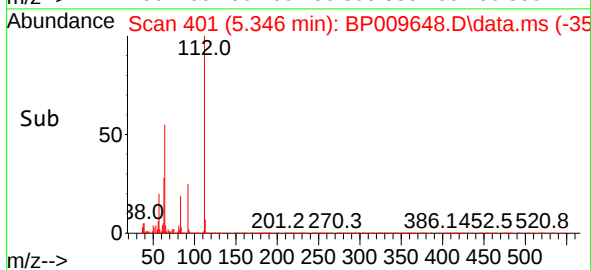
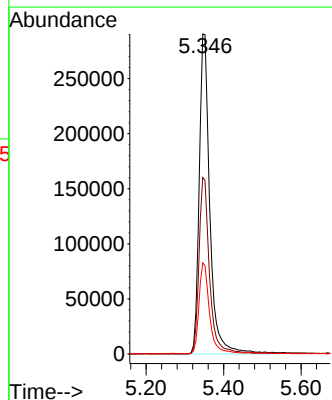
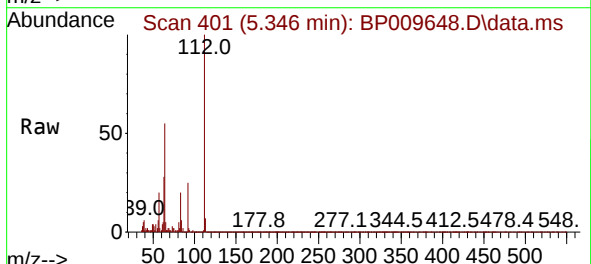
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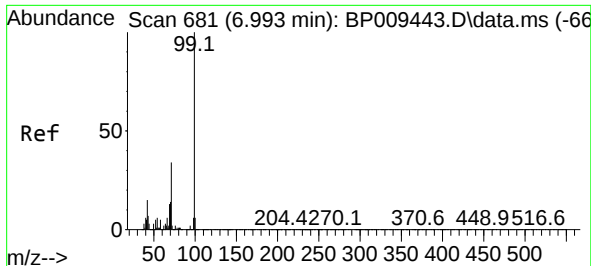
Tgt Ion:152 Resp: 394008
Ion Ratio Lower Upper
152 100
150 155.1 124.5 186.7
115 57.2 48.2 72.4



#5
2-Fluorophenol
Concen: 24.593 ng
RT: 5.346 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

Tgt Ion:112 Resp: 555000
Ion Ratio Lower Upper
112 100
64 55.2 45.0 67.4
63 28.4 23.0 34.6

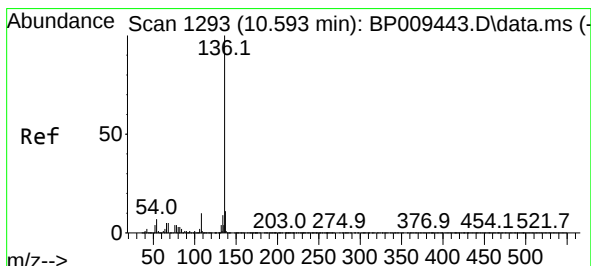
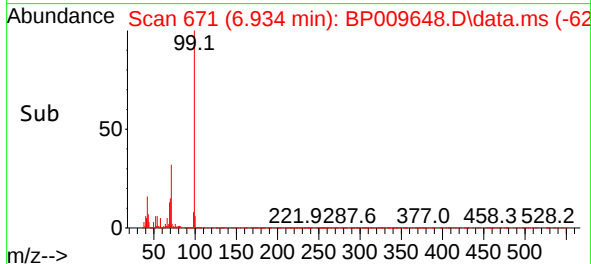
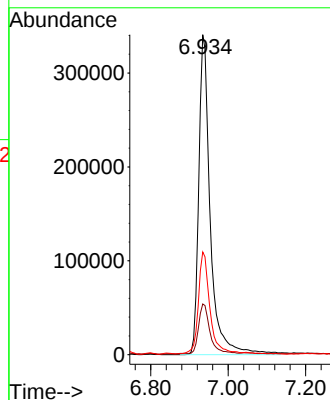
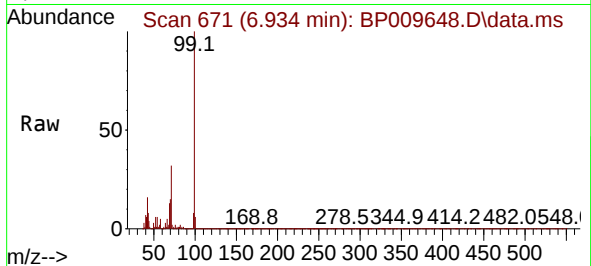




#7
Phenol-d6
Concen: 23.019 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

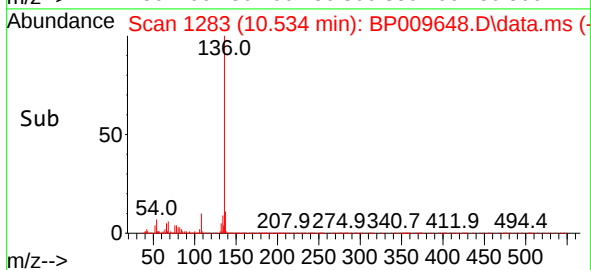
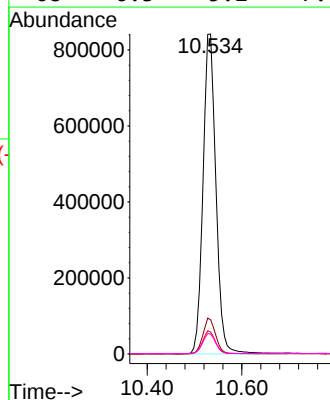
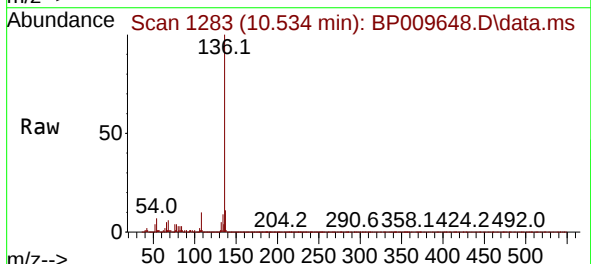
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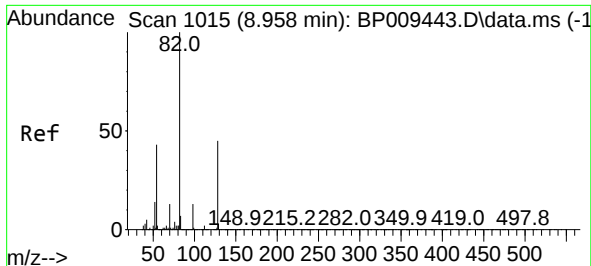
Tgt Ion: 99 Resp: 702527
Ion Ratio Lower Upper
99 100
42 15.9 12.8 19.2
71 32.1 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

Tgt Ion: 136 Resp: 1589771
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 6.8 5.8 8.8
68 6.3 5.2 7.8

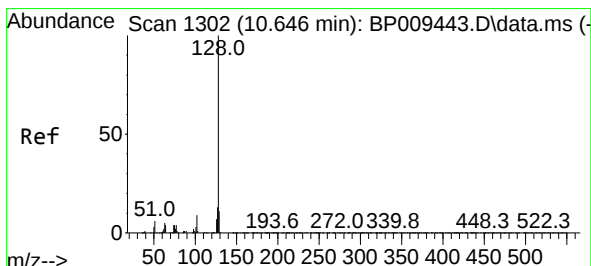
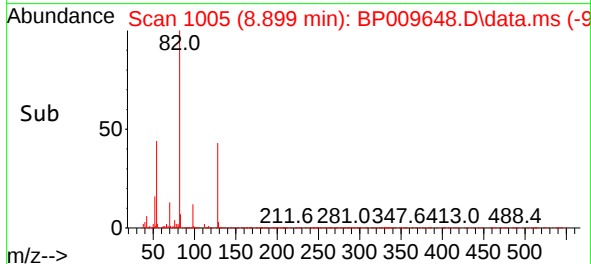
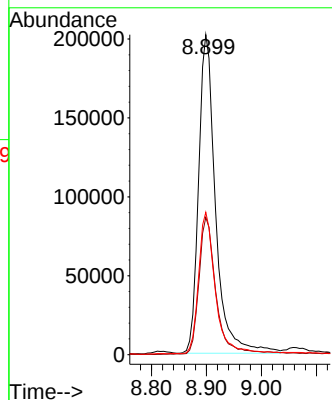
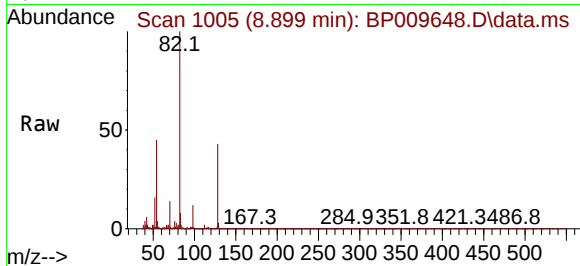




#23
Nitrobenzene-d5
Concen: 14.492 ng
RT: 8.899 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

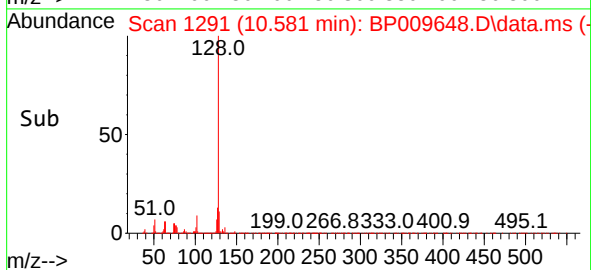
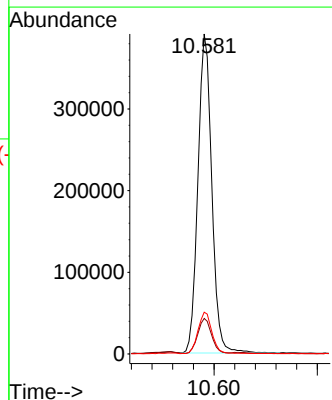
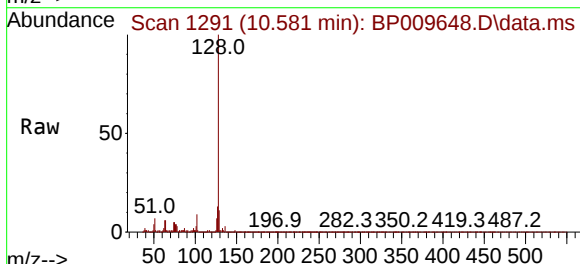
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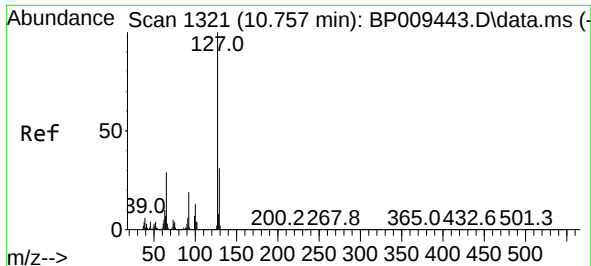
Tgt Ion: 82 Resp: 433545
Ion Ratio Lower Upper
82 100
128 42.9 34.2 51.4
54 44.5 34.7 52.1



#31
Naphthalene
Concen: 8.887 ng
RT: 10.581 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

Tgt Ion:128 Resp: 727707
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.0 10.5 15.7

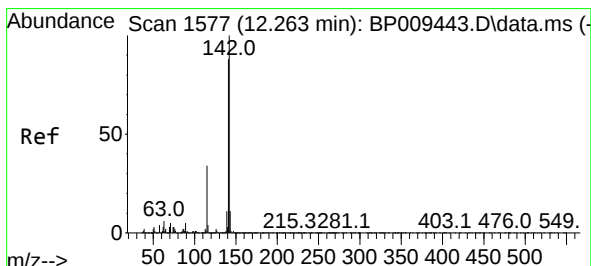
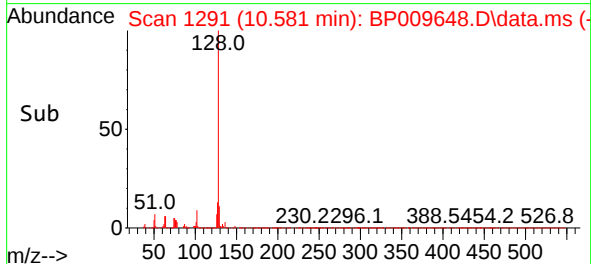
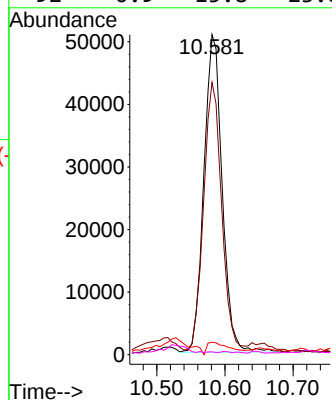
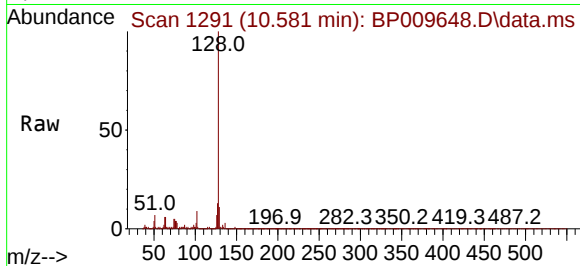




#33
4-Chloroaniline
Concen: 2.844 ng
RT: 10.581 min Scan# 11
Delta R.T. -0.118 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

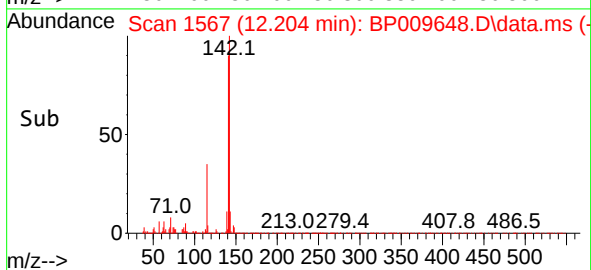
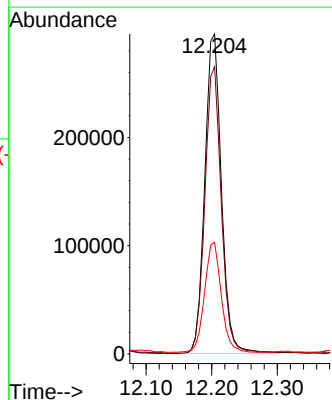
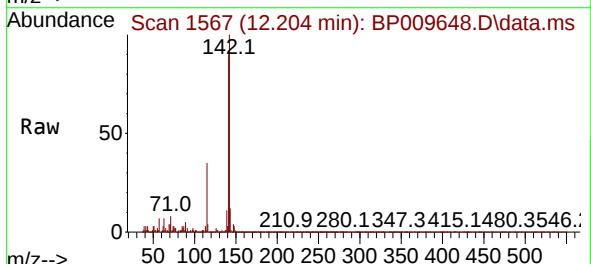
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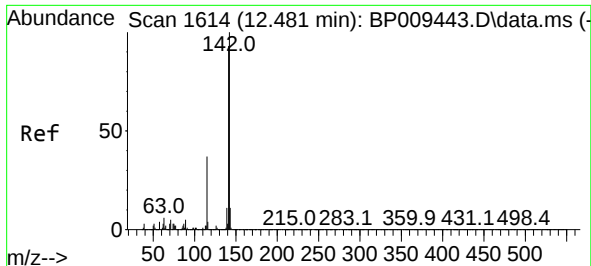
Tgt Ion:	127	Resp:	95049
Ion	Ratio	Lower	Upper
127	100		
129	85.1	25.5	38.3#
65	3.9	24.3	36.5#
92	0.9	15.8	23.8#



#37
2-Methylnaphthalene
Concen: 9.097 ng
RT: 12.204 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

Tgt Ion:	142	Resp:	522703
Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.2	105.4
115	34.9	27.4	41.2

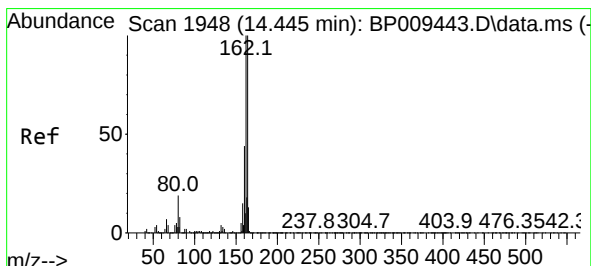
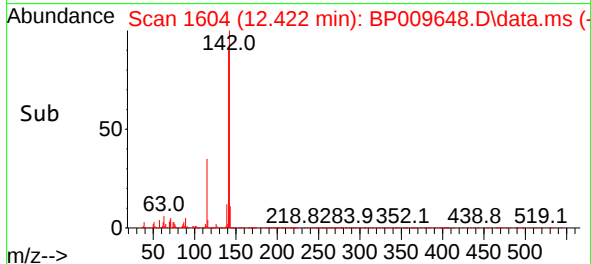
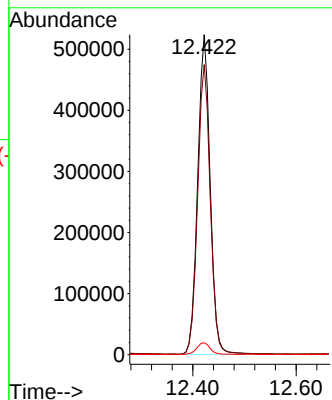
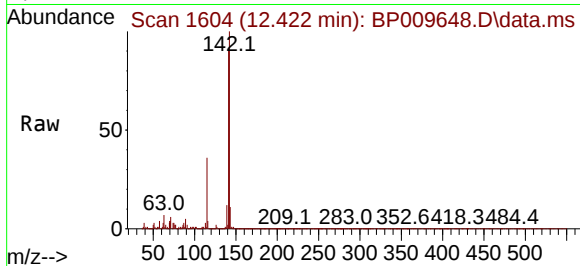




#38
1-Methylnaphthalene
Concen: 15.692 ng
RT: 12.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

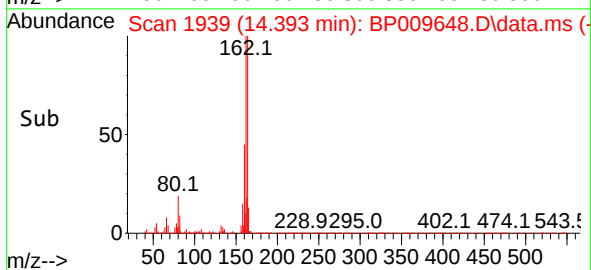
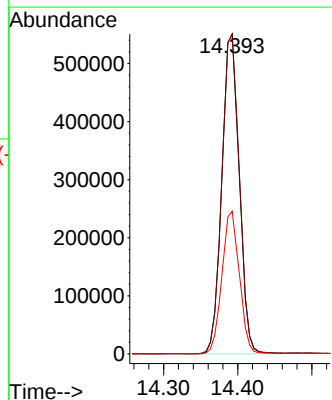
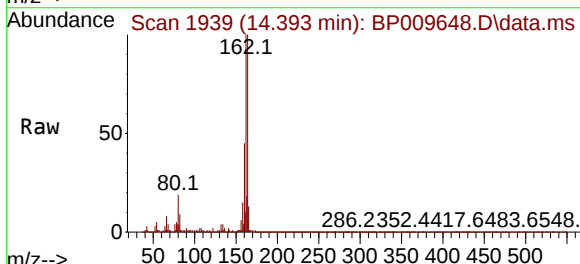
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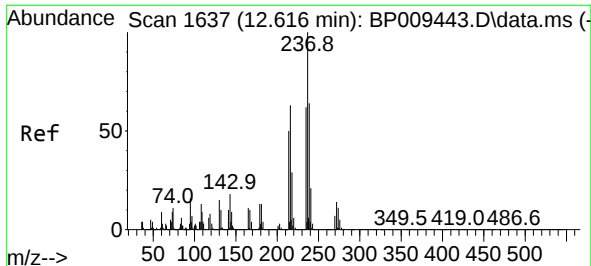
Tgt Ion:142 Resp: 878314
Ion Ratio Lower Upper
142 100
141 90.7 73.5 110.3
116 3.7 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.393 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

Tgt Ion:164 Resp: 899022
Ion Ratio Lower Upper
164 100
162 99.9 79.1 118.7
160 44.6 34.9 52.3

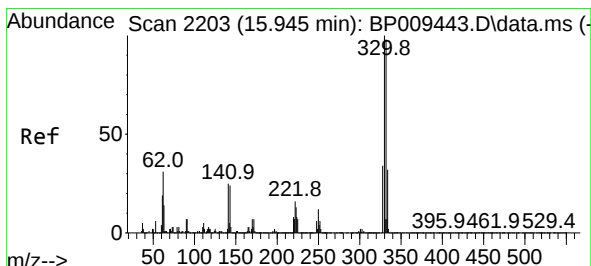
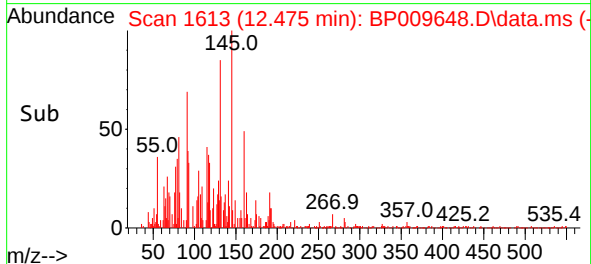
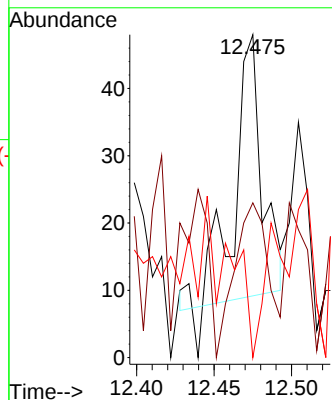
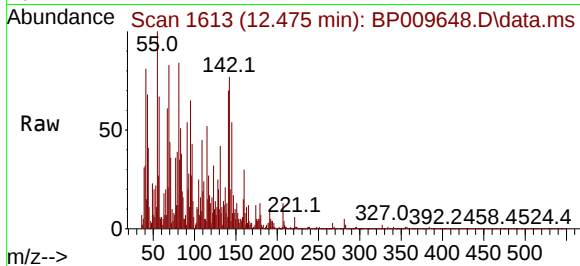




#41
Hexachlorocyclopentadiene
Concen: 7.292 ng
RT: 12.475 min Scan# 1
Delta R.T. -0.082 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

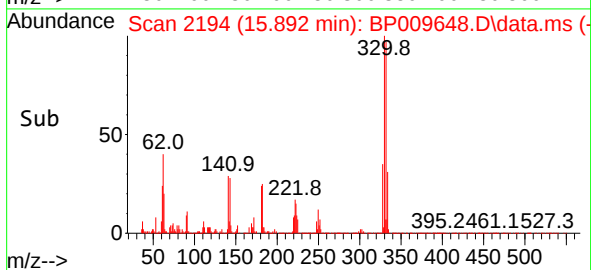
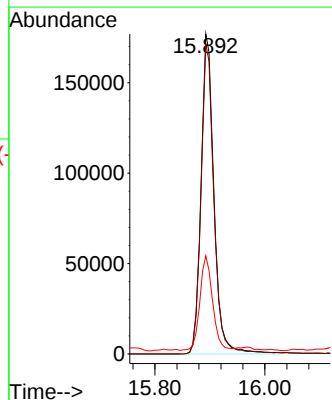
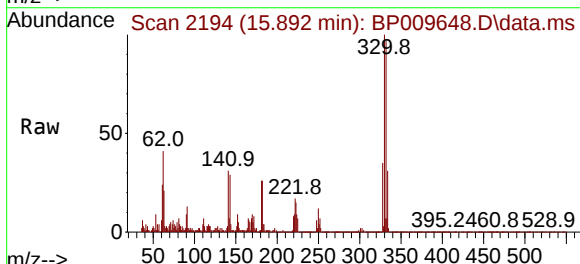
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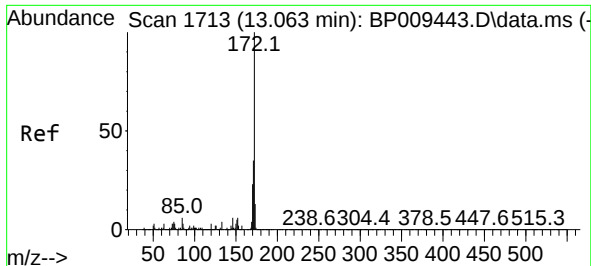
Tgt Ion:	237	Resp:	48
Ion	Ratio	Lower	Upper
237	100		
235	47.9	42.6	82.6
272	0.0	0.0	32.8



#42
2,4,6-Tribromophenol
Concen: 19.542 ng
RT: 15.892 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

Tgt Ion:	330	Resp:	289908
Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	28.9	27.6	41.4

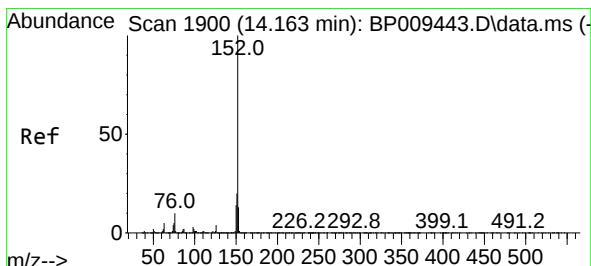
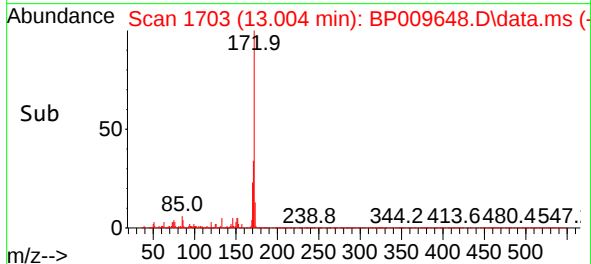
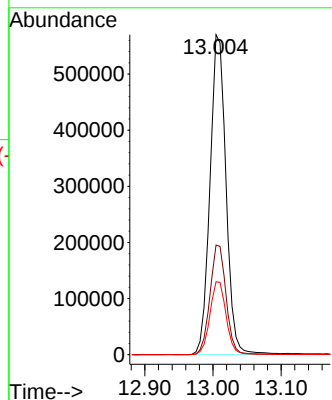
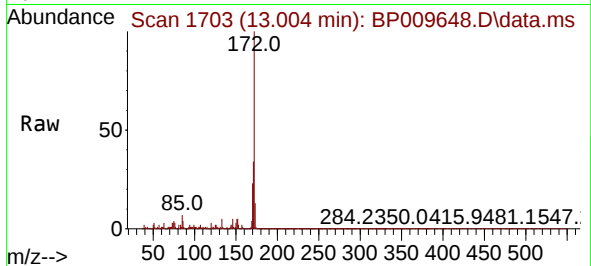




#45
2-Fluorobiphenyl
Concen: 14.369 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

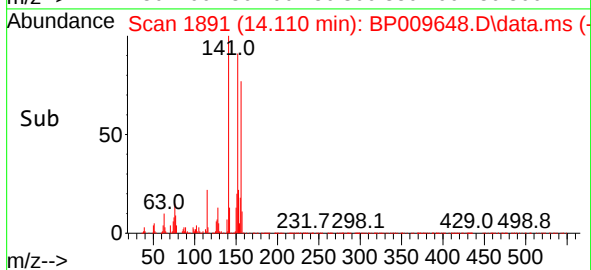
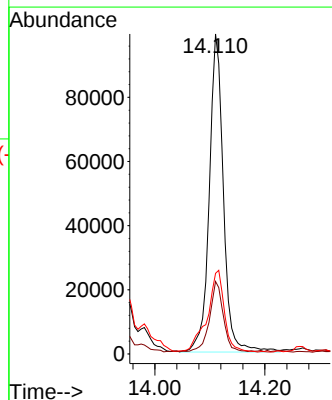
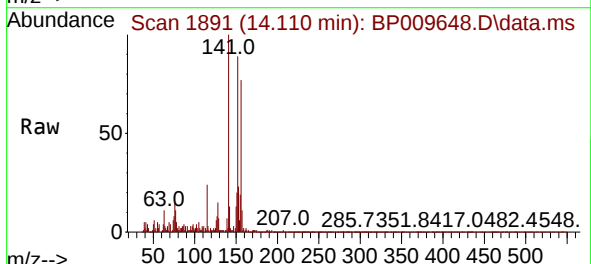
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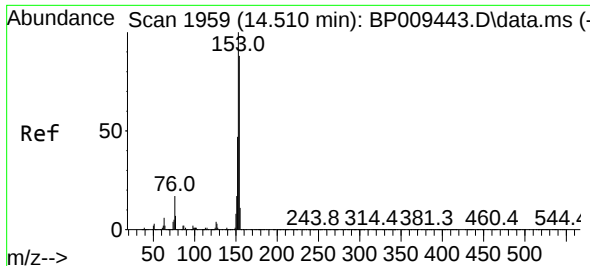
Tgt Ion:172 Resp: 931874
Ion Ratio Lower Upper
172 100
171 34.3 28.0 42.0
170 22.8 18.6 27.8



#49
Acenaphthylene
Concen: 2.183 ng
RT: 14.110 min Scan# 1891
Delta R.T. 0.000 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

Tgt Ion:152 Resp: 177960
Ion Ratio Lower Upper
152 100
151 22.7 15.9 23.9
153 25.2 10.7 16.1#

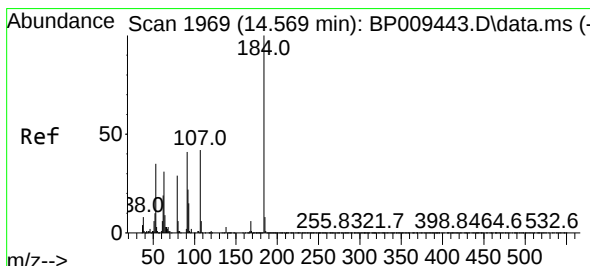
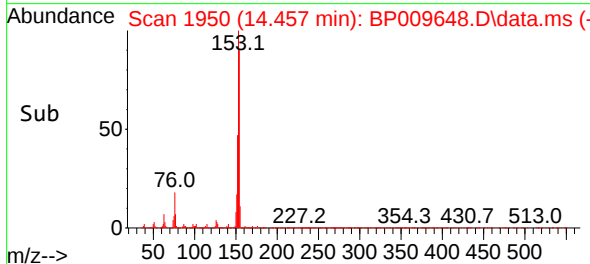
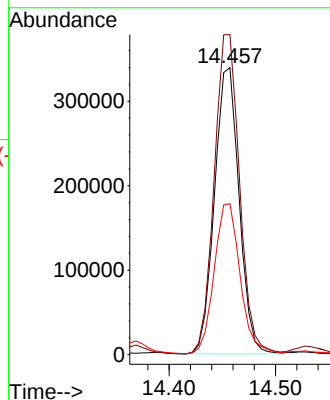
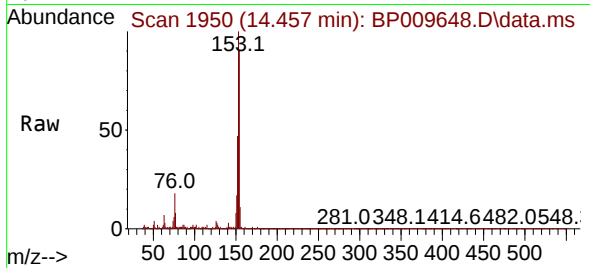




#52
Acenaphthene
Concen: 11.144 ng
RT: 14.457 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

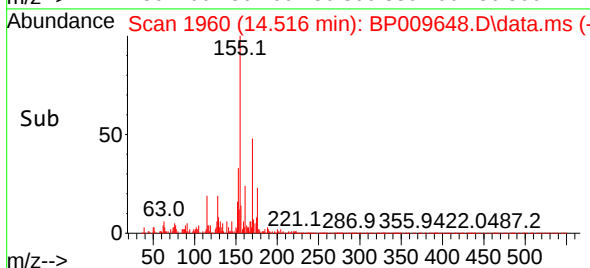
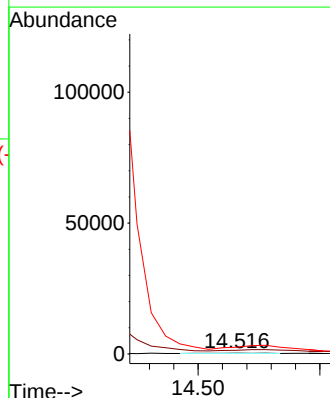
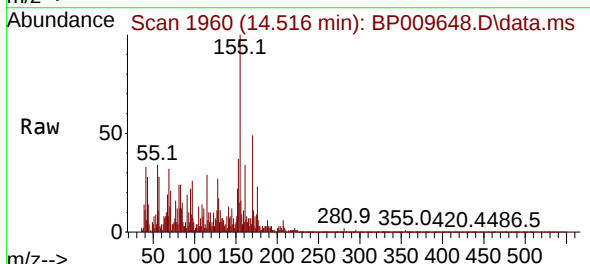
Instrument :
BNA_P
ClientSampleId :
20220388-COMP-CS-1DL

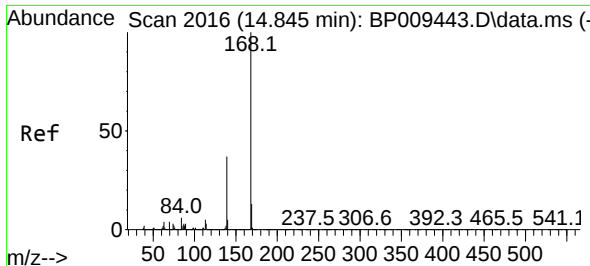
Tgt Ion:154 Resp: 542637
Ion Ratio Lower Upper
154 100
153 111.5 90.2 135.4
152 52.6 42.7 64.1



#54
2,4-Dinitrophenol
Concen: 4.552 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.012 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

Tgt Ion:184 Resp: 181
Ion Ratio Lower Upper
184 100
63 493.7 46.3 69.5#
154 903.9 45.8 68.6#

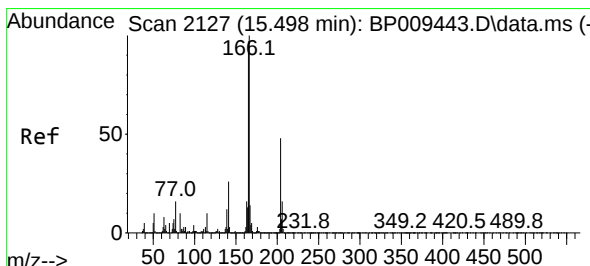
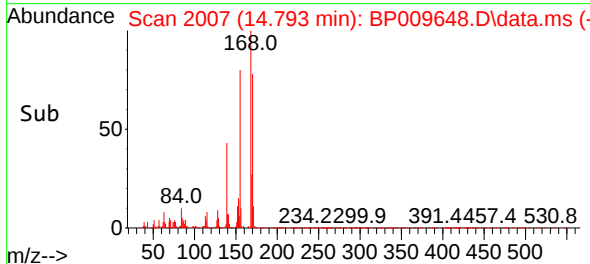
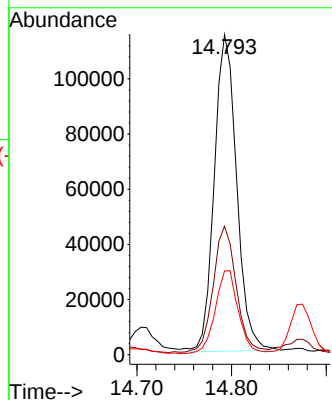
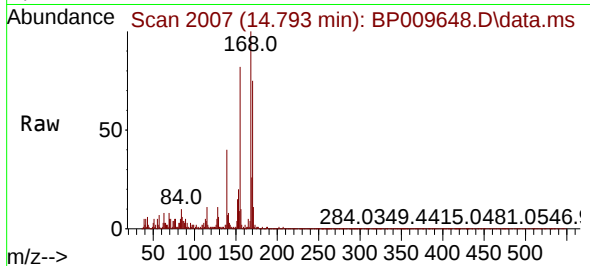




#55
Dibenzenofuran
Concen: 2.308 ng
RT: 14.793 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

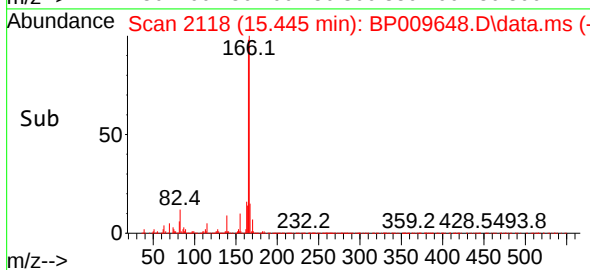
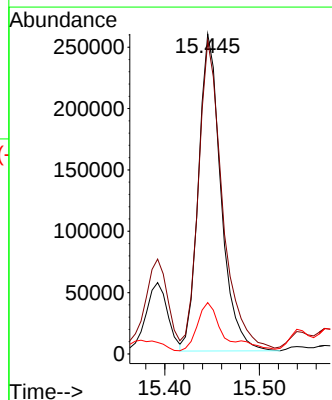
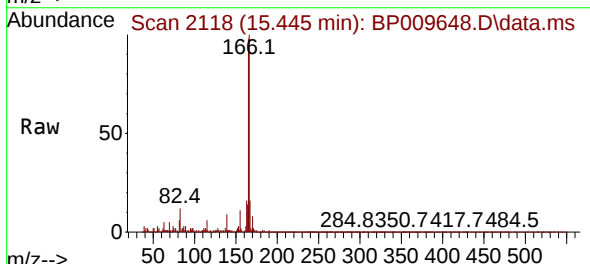
Instrument :
BNA_P
ClientSampleId :
20220388-COMP-CS-1DL

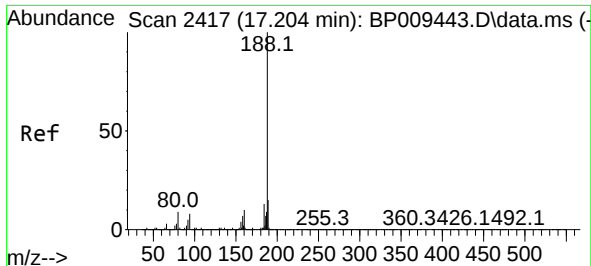
Tgt Ion:168 Resp: 188800
Ion Ratio Lower Upper
168 100
139 40.1 29.1 43.7
169 26.1 10.6 16.0#



#58
Fluorene
Concen: 6.606 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

Tgt Ion:166 Resp: 424991
Ion Ratio Lower Upper
166 100
165 97.9 79.2 118.8
167 16.0 10.7 16.1

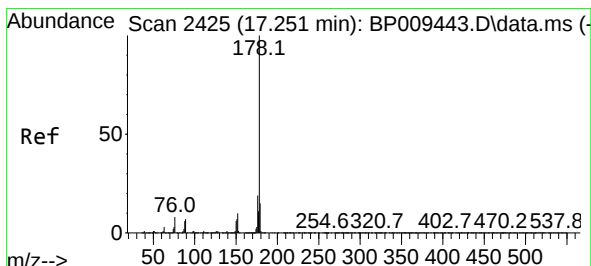
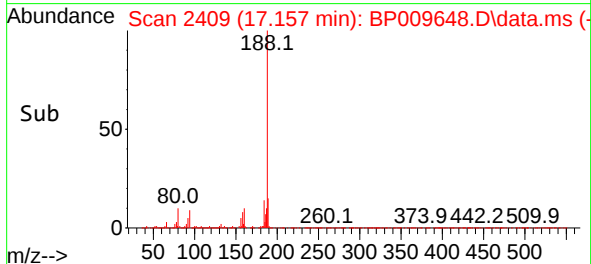
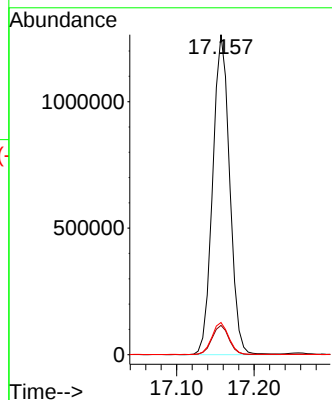
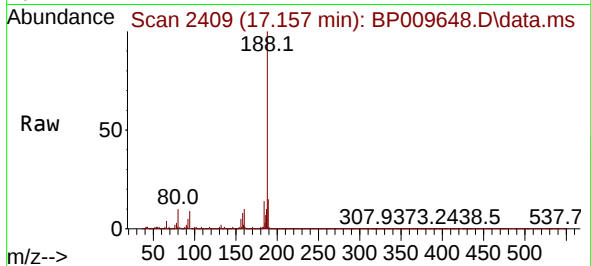




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

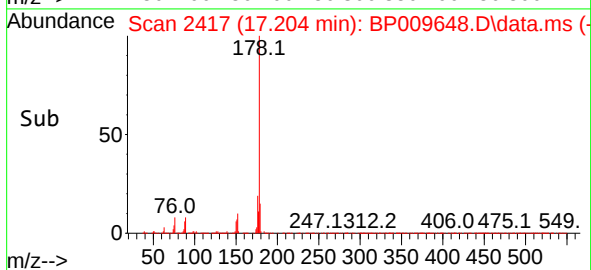
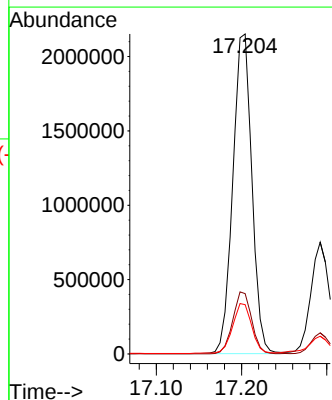
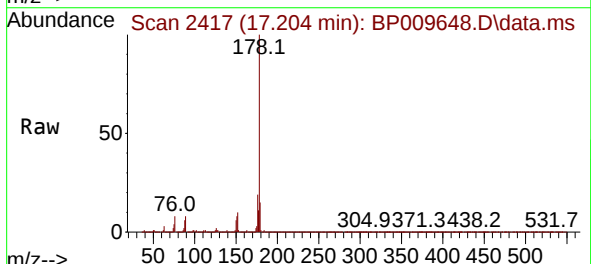
Instrument :
BNA_P
ClientSampleId :
20220388-COMP-CS-1DL

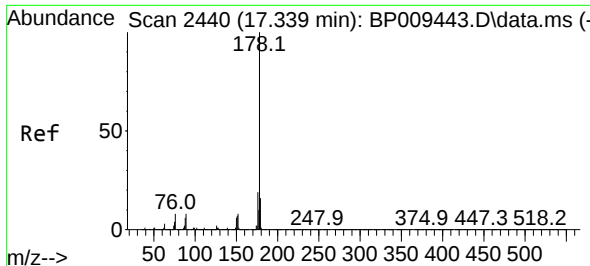
Tgt Ion:188 Resp: 1923104
Ion Ratio Lower Upper
188 100
94 9.1 7.9 11.9
80 10.1 8.8 13.2



#71
Phenanthrene
Concen: 32.386 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.006 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

Tgt Ion:178 Resp: 3333953
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.4 12.3 18.5

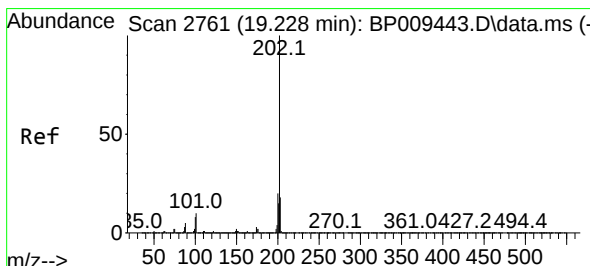
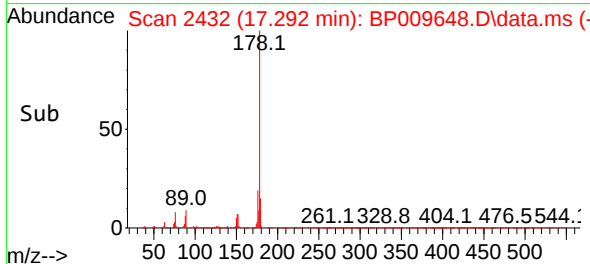
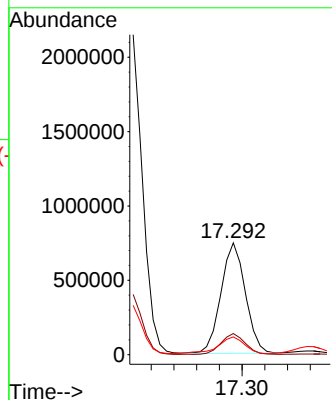
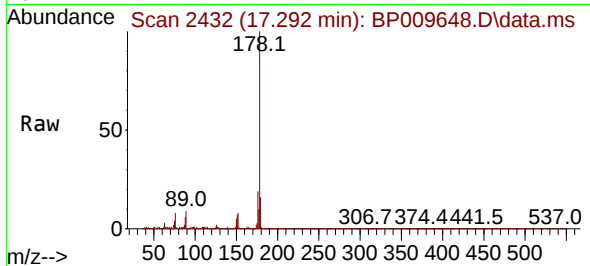




#72
 Anthracene
 Concen: 10.926 ng
 RT: 17.292 min Scan# 2440
 Delta R.T. 0.000 min
 Lab File: BP009648.D
 Acq: 31 Mar 2022 20:06

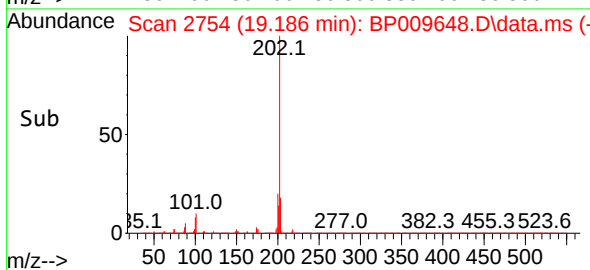
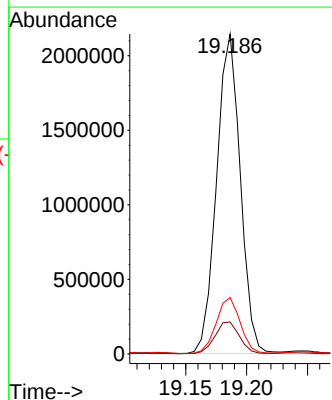
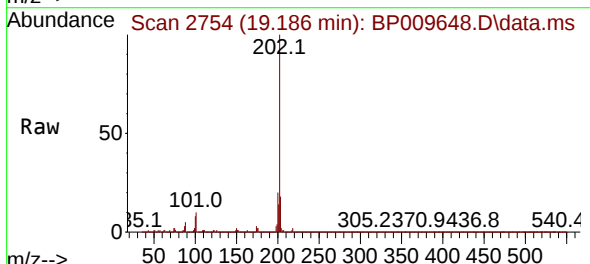
Instrument :
 BNA_P
 ClientSampleId :
 20220388-COMP-CS-1DL

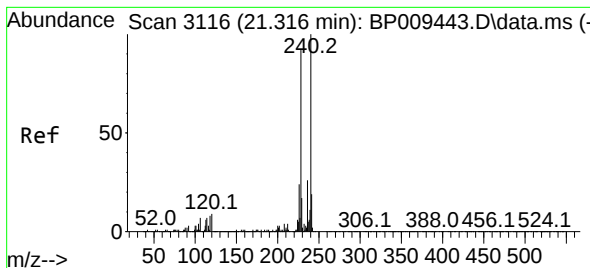
Tgt Ion:178 Resp: 1110548
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.8 22.2
 179 15.8 12.2 18.4



#75
 Fluoranthene
 Concen: 23.259 ng
 RT: 19.186 min Scan# 2754
 Delta R.T. 0.006 min
 Lab File: BP009648.D
 Acq: 31 Mar 2022 20:06

Tgt Ion:202 Resp: 2898739
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 31.5
 203 17.7 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.275 min Scan# 3116

Delta R.T. 0.000 min

Lab File: BP009648.D

Acq: 31 Mar 2022 20:06

Instrument :

BNA_P

ClientSampleId :

20220388-COMP-CS-1DL

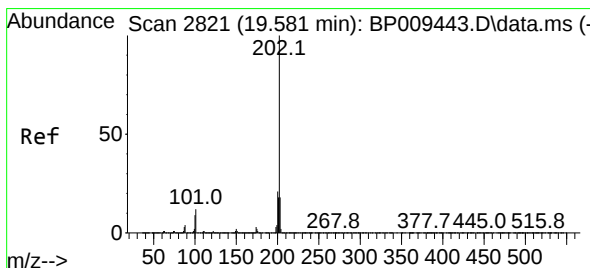
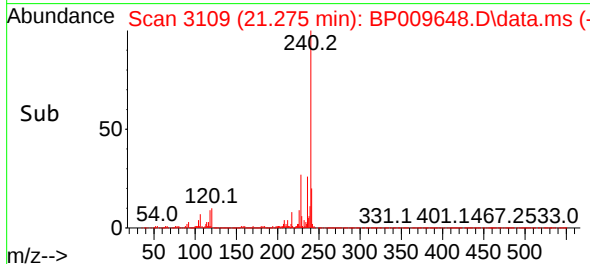
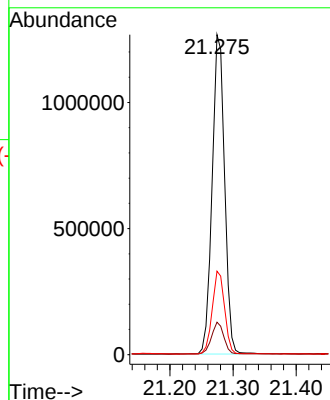
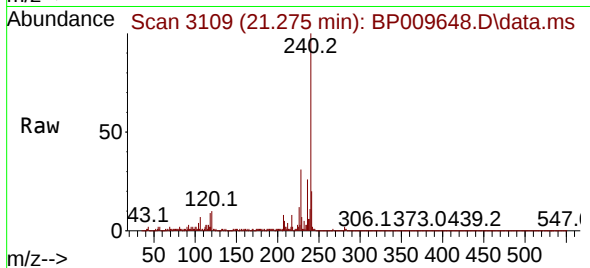
Tgt Ion:240 Resp: 1734940

Ion Ratio Lower Upper

240 100

120 10.1 9.0 13.4

236 26.1 20.6 30.8



#78

Pyrene

Concen: 23.925 ng

RT: 19.539 min Scan# 2814

Delta R.T. 0.000 min

Lab File: BP009648.D

Acq: 31 Mar 2022 20:06

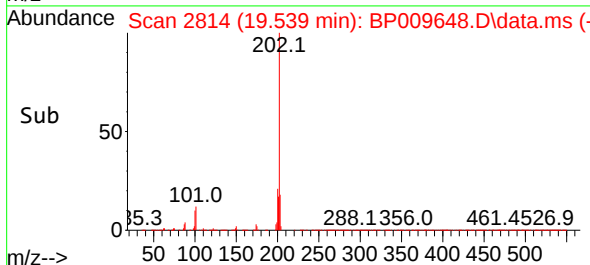
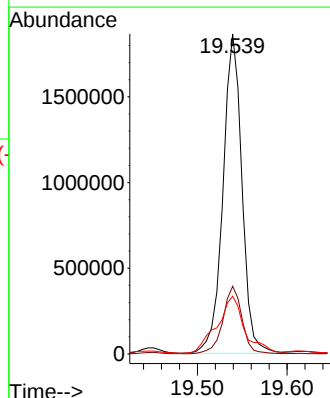
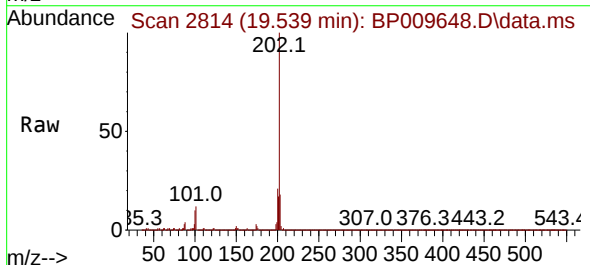
Tgt Ion:202 Resp: 2735202

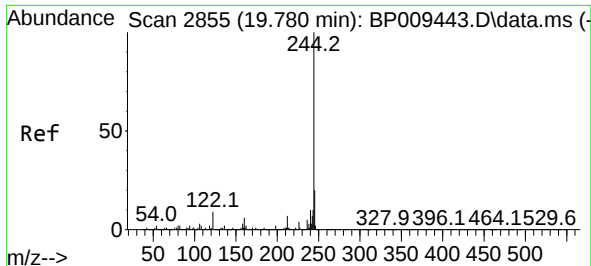
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 18.1 14.2 21.4

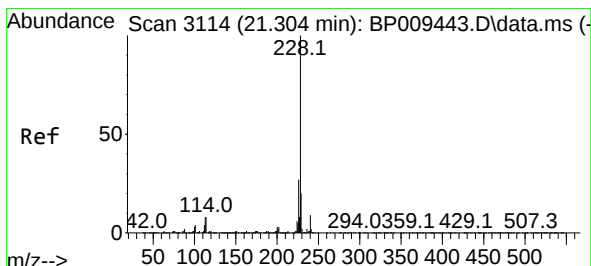
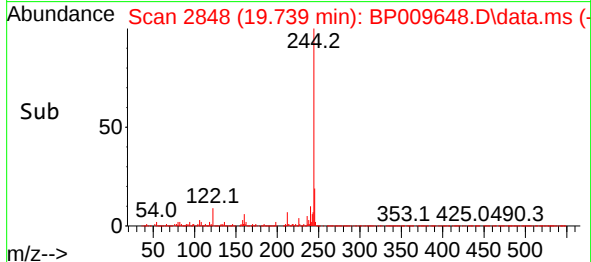
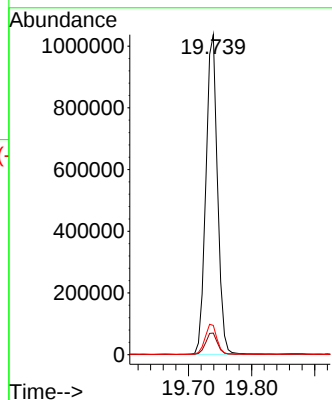
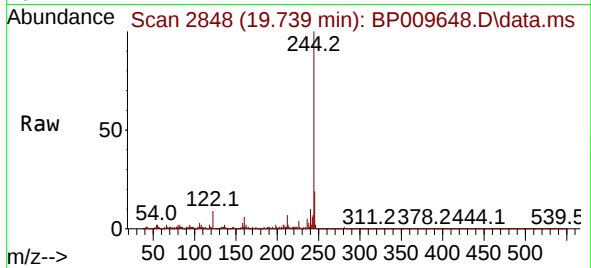




#79
 Terphenyl-d14
 Concen: 13.741 ng
 RT: 19.739 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP009648.D
 Acq: 31 Mar 2022 20:06

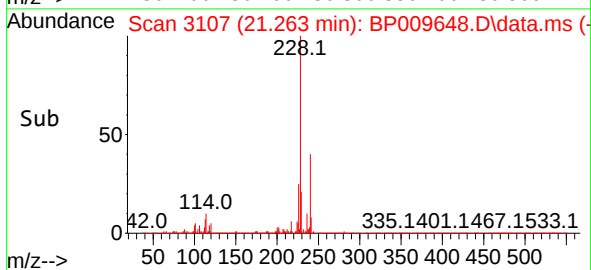
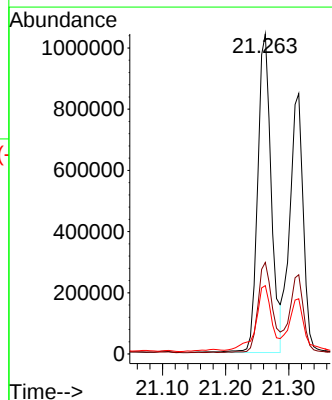
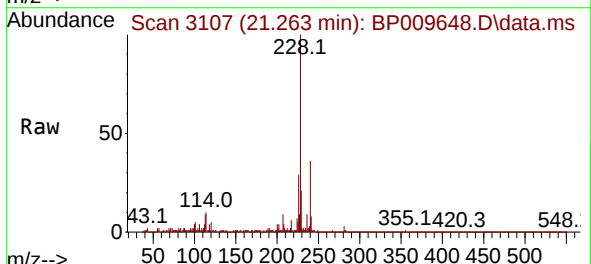
Instrument :
 BNA_P
 ClientSampleId :
 20220388-COMP-CS-1DL

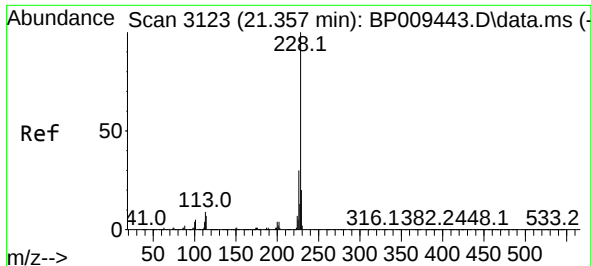
Tgt Ion:244 Resp: 1328223
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.6
 122 9.1 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 13.667 ng
 RT: 21.263 min Scan# 3107
 Delta R.T. 0.000 min
 Lab File: BP009648.D
 Acq: 31 Mar 2022 20:06

Tgt Ion:228 Resp: 1557857
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.0 33.0
 229 21.3 16.1 24.1

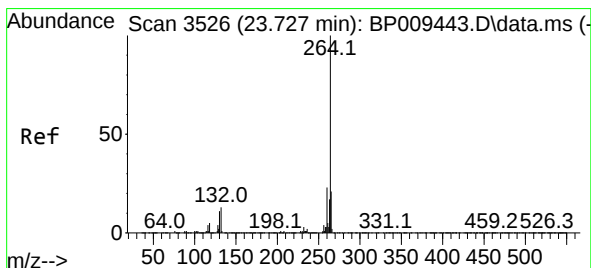
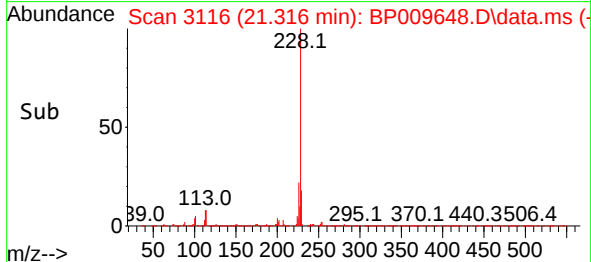
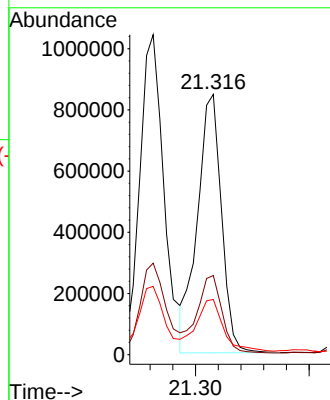
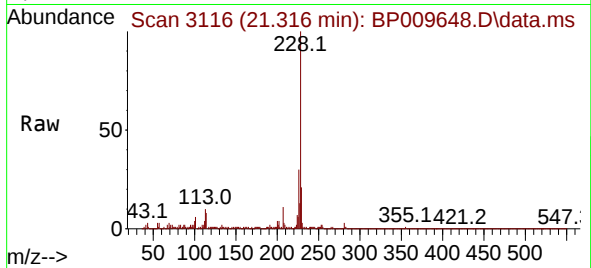




#83
Chrysene
Concen: 11.572 ng
RT: 21.316 min Scan# 3116
Delta R.T. 0.006 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

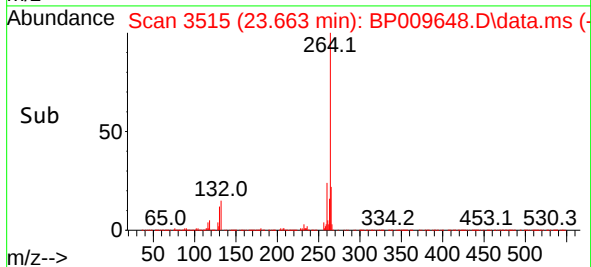
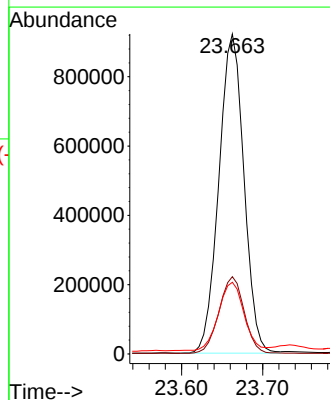
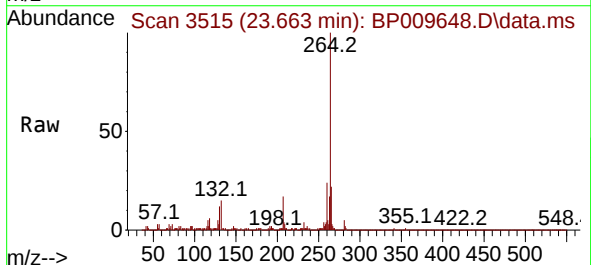
Instrument :
BNA_P
ClientSampleId :
20220388-COMP-CS-1DL

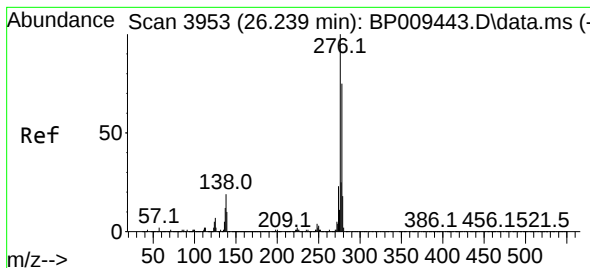
Tgt Ion:228 Resp: 1249007
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 21.2 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.663 min Scan# 3515
Delta R.T. 0.012 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

Tgt Ion:264 Resp: 1978435
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.0
265 22.4 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.190 ng

RT: 26.145 min Scan# 3953

Delta R.T. 0.006 min

Lab File: BP009648.D

Acq: 31 Mar 2022 20:06

Instrument :

BNA_P

ClientSampleId :

20220388-COMP-CS-1DL

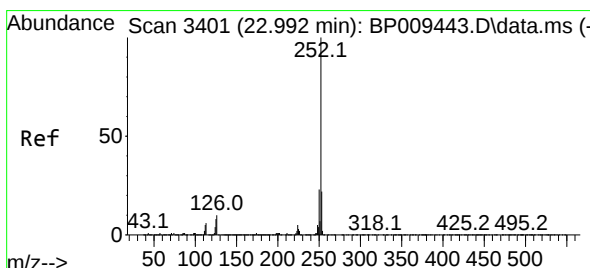
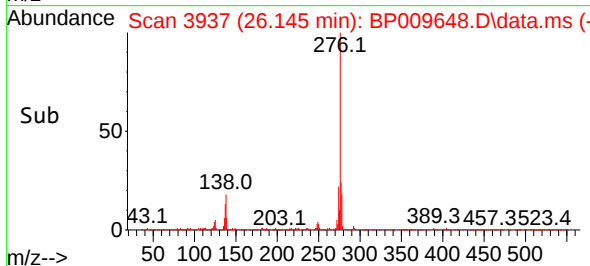
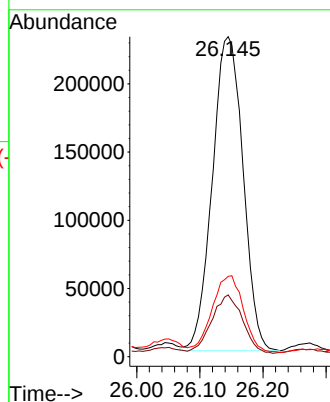
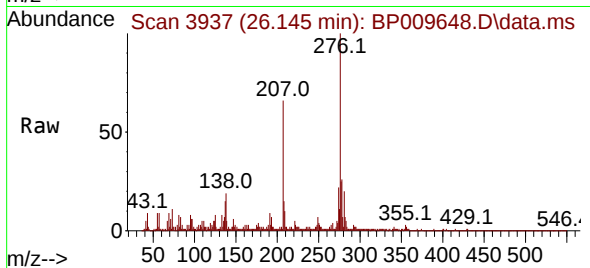
Tgt Ion:276 Resp: 779033

Ion Ratio Lower Upper

276 100

138 18.7 20.5 30.7#

277 25.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 13.037 ng

RT: 22.939 min Scan# 3392

Delta R.T. 0.012 min

Lab File: BP009648.D

Acq: 31 Mar 2022 20:06

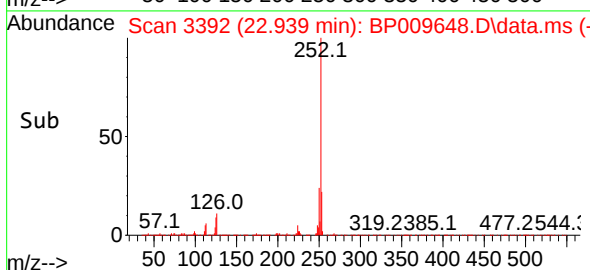
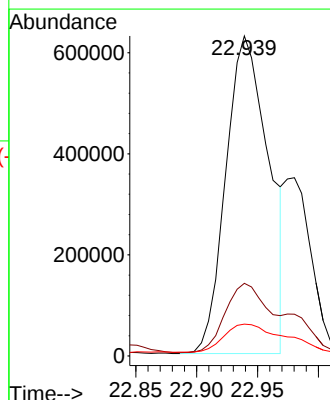
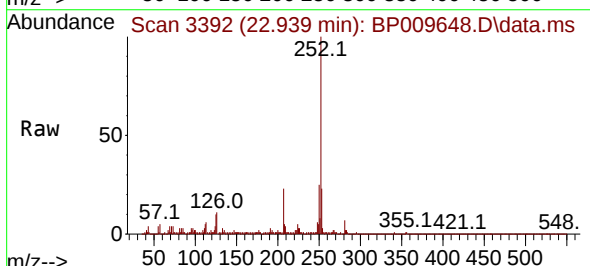
Tgt Ion:252 Resp: 1539793

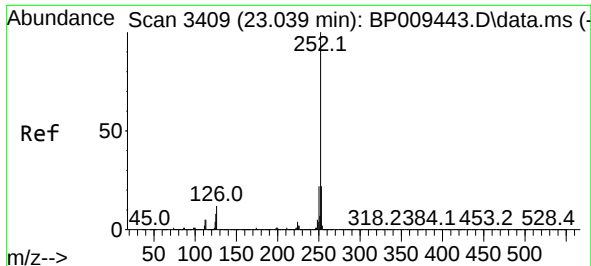
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 10.0 8.1 12.1

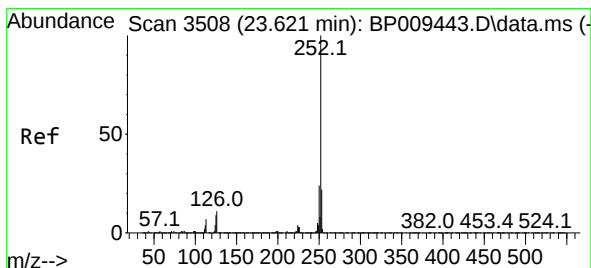
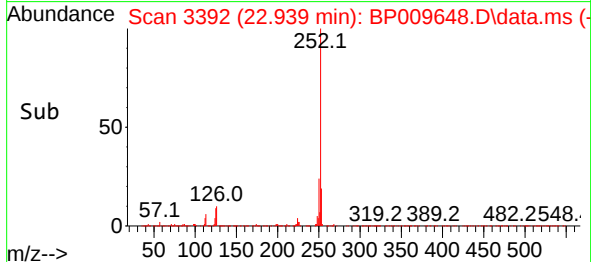
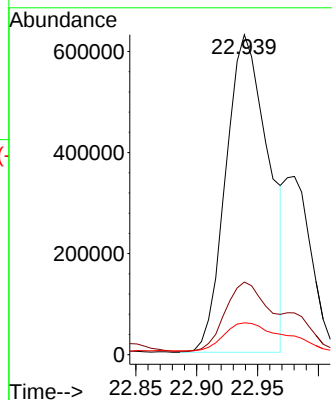
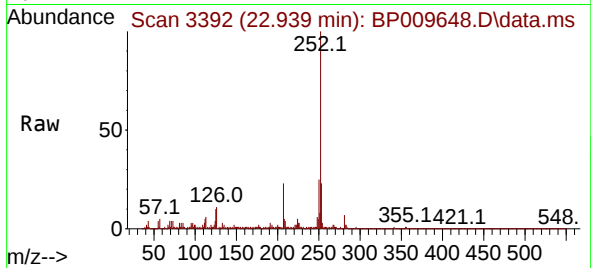




#89
Benzo(k)fluoranthene
Concen: 13.316 ng
RT: 22.939 min Scan# 31
Delta R.T. -0.041 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

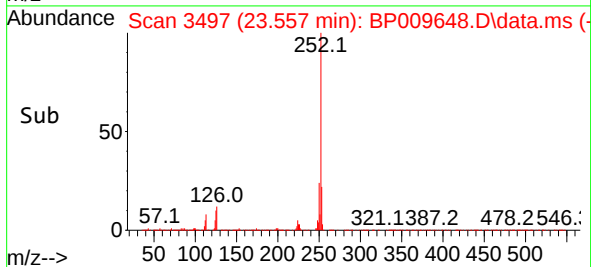
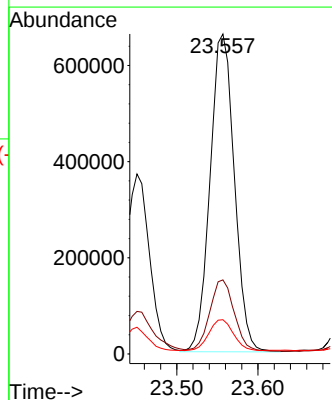
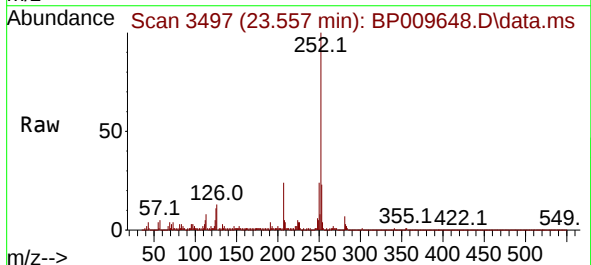
Instrument :
BNA_P
ClientSampleId :
20220388-COMP-CS-1DL

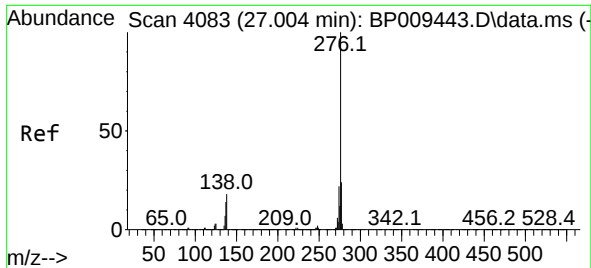
Tgt Ion:252 Resp: 1539793
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 10.0 8.3 12.5



#90
Benzo(a)pyrene
Concen: 13.624 ng
RT: 23.557 min Scan# 3497
Delta R.T. 0.006 min
Lab File: BP009648.D
Acq: 31 Mar 2022 20:06

Tgt Ion:252 Resp: 1376682
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 10.7 9.3 13.9





#92
 Benzo(g,h,i)perylene
 Concen: 6.010 ng
 RT: 26.910 min Scan# 4083
 Delta R.T. 0.012 min
 Lab File: BP009648.D
 Acq: 31 Mar 2022 20:06

Instrument :
 BNA_P
 ClientSampleId :
 20220388-COMP-CS-1DL

Tgt Ion:276 Resp: 739622
 Ion Ratio Lower Upper
 276 100
 277 25.3 19.2 28.8
 138 19.4 18.0 27.0

