

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020122\
 Data File : BP008984.D
 Acq On : 01 Feb 2022 13:44
 Operator : CG/JU
 Sample : N1303-07RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CC-8RE

Quant Time: Feb 01 15:30:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 01 04:16:03 2022
 Response via : Initial Calibration

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

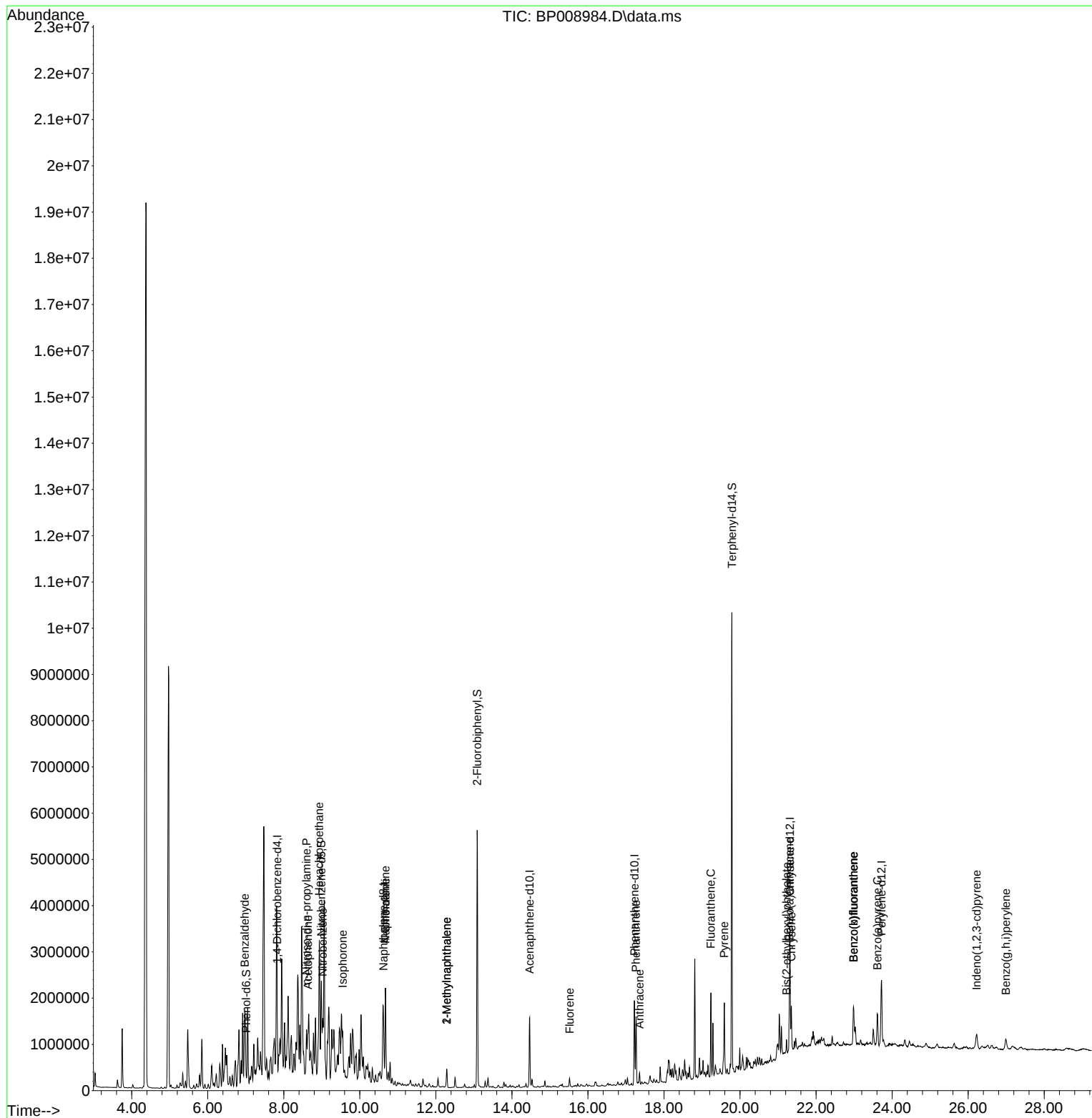
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	217436	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	874561	20.000	ng	-0.01
39) Acenaphthene-d10	14.469	164	570485	20.000	ng	0.00
64) Phenanthrene-d10	17.222	188	1176610	20.000	ng	-0.01
76) Chrysene-d12	21.316	240	1137364	20.000	ng	-0.01
86) Perylene-d12	23.721	264	1181282	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1631	0.116	ng	0.00
7) Phenol-d6	7.016	99	48190	2.830	ng	0.00
23) Nitrobenzene-d5	8.987	82	1206454	78.319	ng	-0.01
42) 2,4,6-Tribromophenol	15.975	330	1081	0.130	ng	0.00
45) 2-Fluorobiphenyl	13.087	172	3114568	71.997	ng	-0.01
79) Terphenyl-d14	19.786	244	4746192	70.437	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.975	77	60545	5.320	ng	# 1
18) Hexachloroethane	8.934	117	204888	33.400	ng	# 1
19) n-Nitroso-di-n-propyla...	8.599	70	40941	4.113	ng	# 53
22) Acetophenone	8.634	105	498236	22.364	ng	# 63
24) Nitrobenzene	9.022	77	35965	2.311	ng	# 34
25) Isophorone	9.552	82	253070	9.091	ng	# 58
31) Naphthalene	10.675	128	1603368	33.755	ng	99
33) 4-Chloroaniline	10.675	127	212431	10.974	ng	# 37
37) 2-Methylnaphthalene	12.287	142	202666	5.836	ng	98
38) 1-Methylnaphthalene	12.287	142	202666	6.359	ng	95
58) Fluorene	15.516	166	88376	2.141	ng	97
71) Phenanthrene	17.263	178	975643	14.727	ng	99
72) Anthracene	17.357	178	172621	2.597	ng	99
75) Fluoranthene	19.233	202	1049348	14.244	ng	97
78) Pyrene	19.586	202	980779	12.359	ng	98
81) Benzo(a)anthracene	21.298	228	585923	7.657	ng	98
83) Chrysene	21.351	228	605570	8.164	ng	98
84) Bis(2-ethylhexyl)phtha...	21.222	149	111934	2.265	ng	98
87) Indeno(1,2,3-cd)pyrene	26.221	276	321210	3.300	ng	# 93
88) Benzo(b)fluoranthene	22.986	252	665595	8.437	ng	97
89) Benzo(k)fluoranthene	22.986	252	665595	8.716	ng	98
90) Benzo(a)pyrene	23.616	252	464184	6.096	ng	98
92) Benzo(g,h,i)perylene	26.992	276	309683	3.832	ng	97

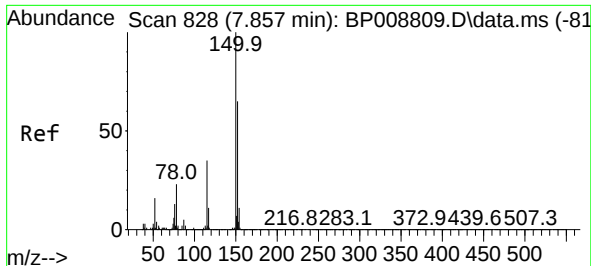
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
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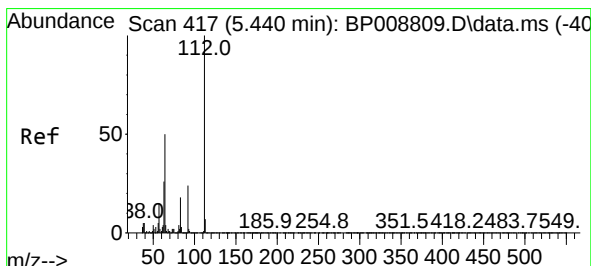
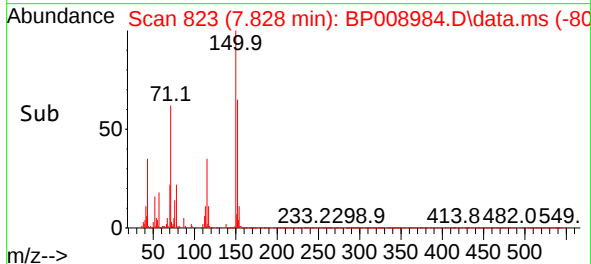
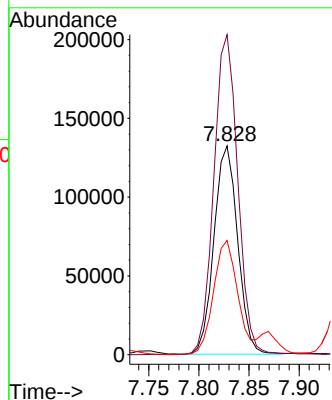
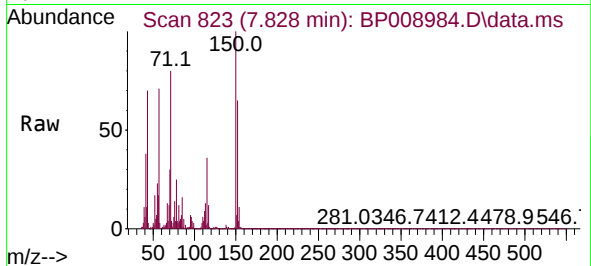




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

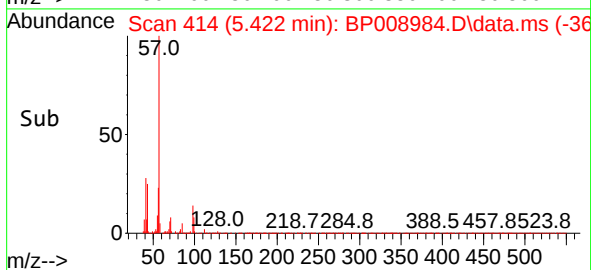
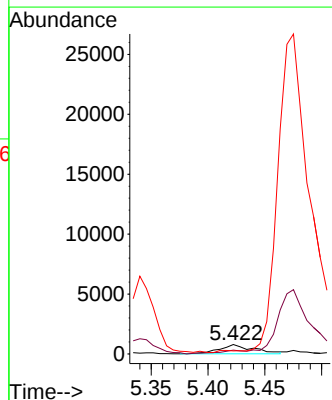
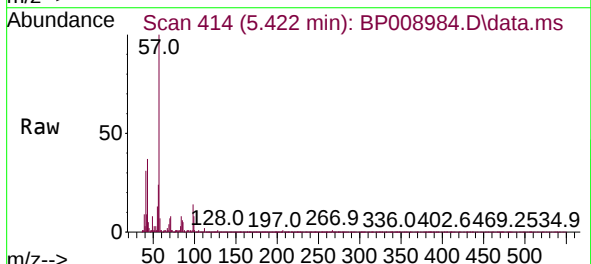
Instrument :
BNA_P
ClientSampleId :
CC-8RE

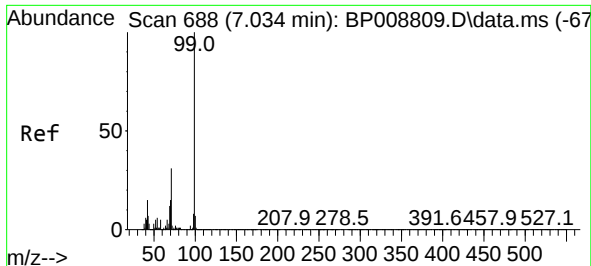
Tgt Ion:152 Resp: 217436
Ion Ratio Lower Upper
152 100
150 153.3 127.0 190.6
115 54.8 43.7 65.5



#5
2-Fluorophenol
Concen: 0.116 ng
RT: 5.422 min Scan# 414
Delta R.T. 0.000 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Tgt Ion:112 Resp: 1631
Ion Ratio Lower Upper
112 100
64 39.8 39.7 59.5
63 31.7 20.0 30.0#

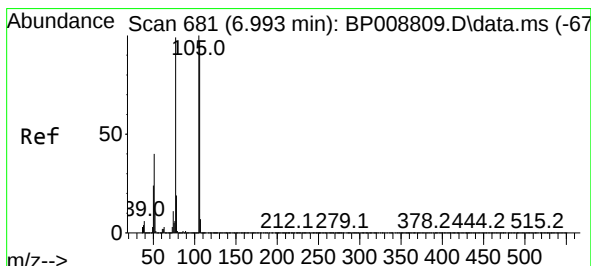
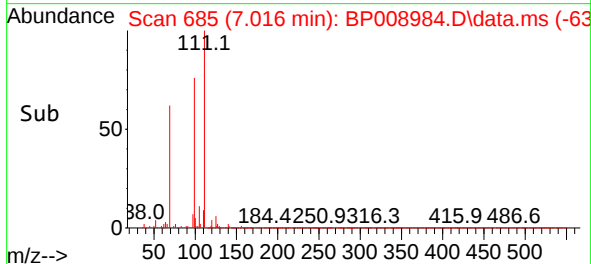
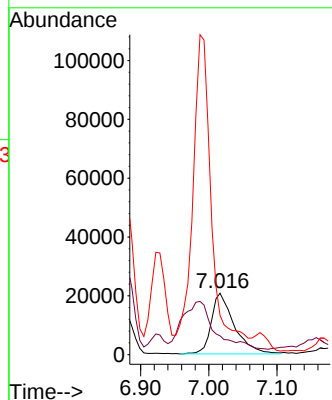
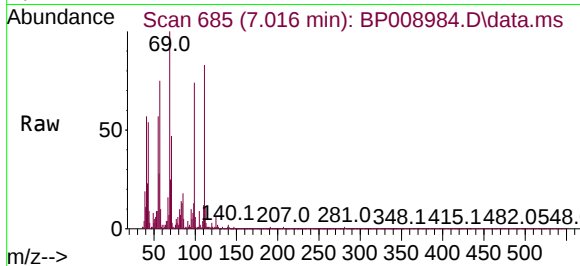




#7
Phenol-d6
Concen: 2.830 ng
RT: 7.016 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

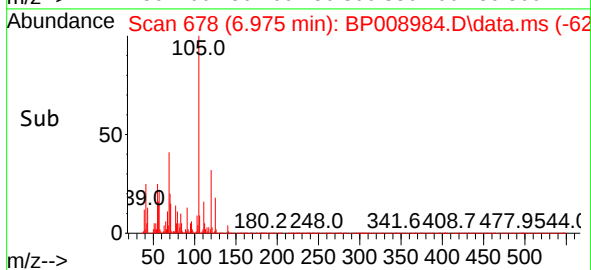
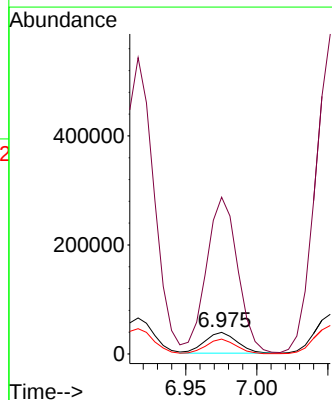
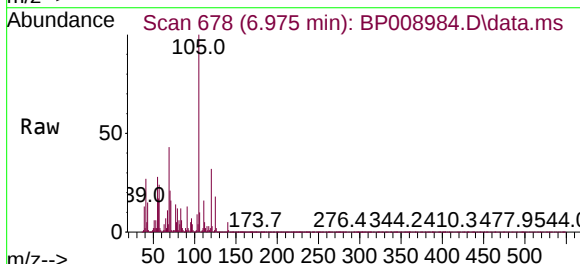
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ClientSampleId :
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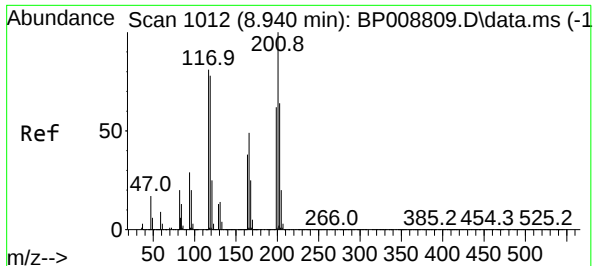
Tgt Ion: 99 Resp: 48190
Ion Ratio Lower Upper
99 100
42 30.8 10.8 16.2#
71 64.1 23.8 35.6#



#9
Benzaldehyde
Concen: 5.320 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Tgt Ion: 77 Resp: 60545
Ion Ratio Lower Upper
77 100
105 724.7 84.2 124.2#
106 69.0 80.6 120.6#

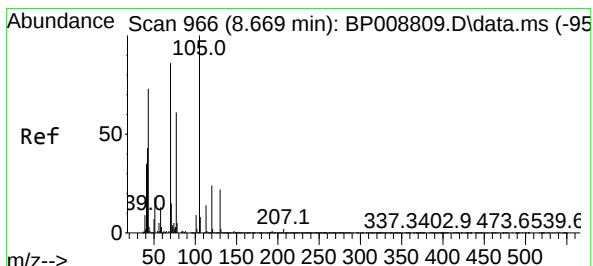
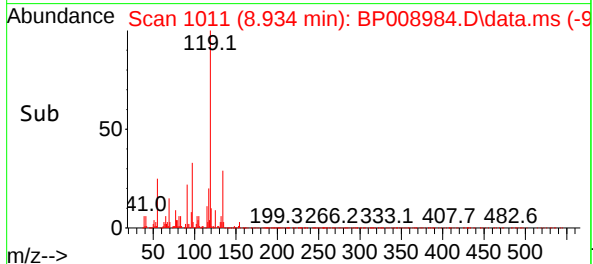
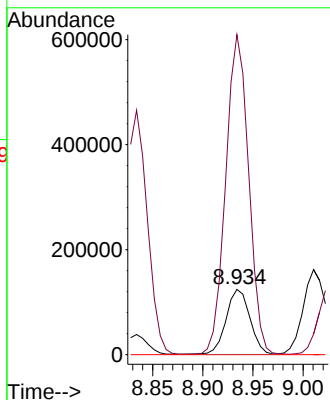
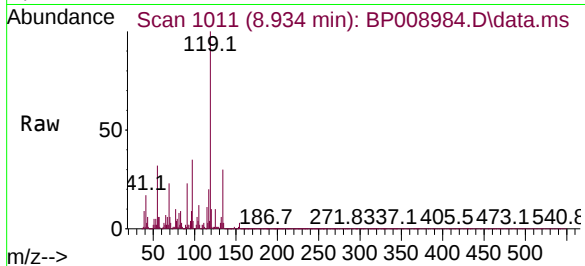




#18
Hexachloroethane
Concen: 33.400 ng
RT: 8.934 min Scan# 1012
Delta R.T. 0.024 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

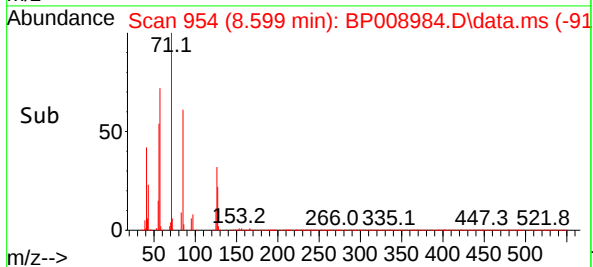
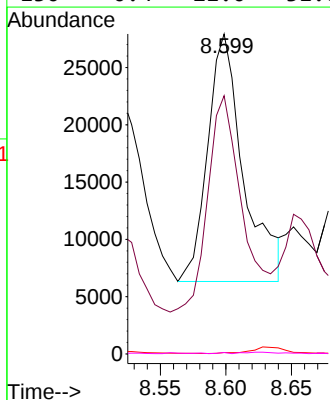
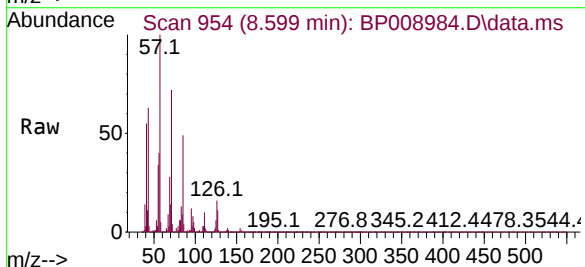
Instrument :
BNA_P
ClientSampleId :
CC-8RE

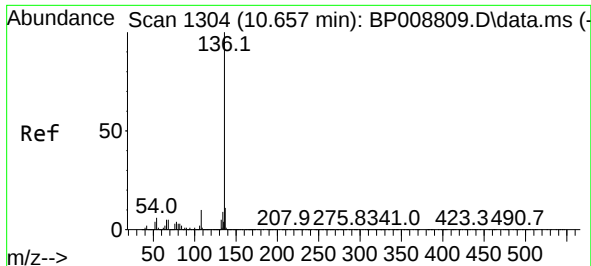
Tgt Ion:117 Resp: 204888
Ion Ratio Lower Upper
117 100
119 490.0 76.9 115.3#
201 0.0 93.7 140.5#



#19
n-Nitroso-di-n-propylamine
Concen: 4.113 ng
RT: 8.599 min Scan# 954
Delta R.T. -0.047 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Tgt Ion: 70 Resp: 40941
Ion Ratio Lower Upper
70 100
42 80.7 38.2 57.2#
101 0.4 8.7 13.1#
130 0.4 21.0 31.6#

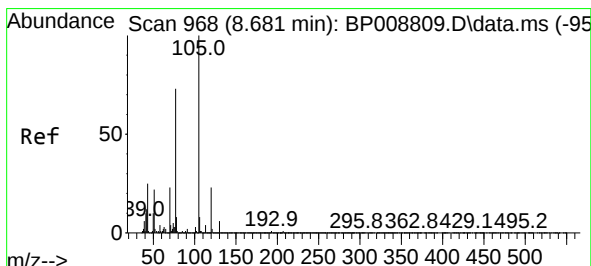
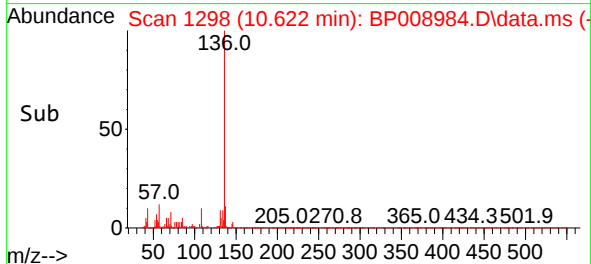
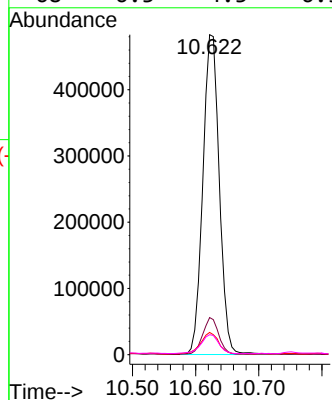
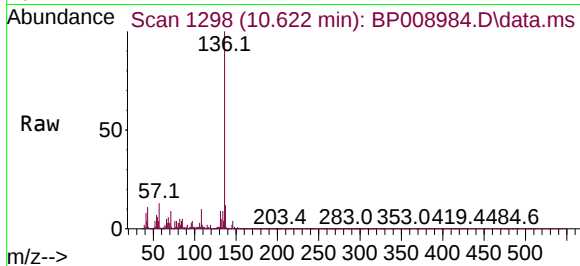




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

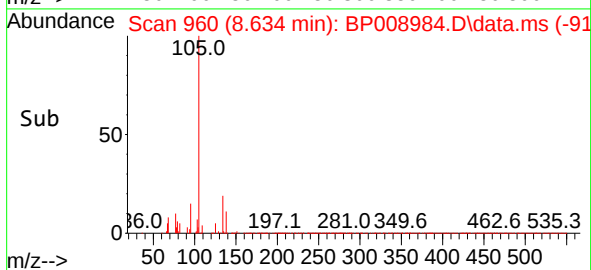
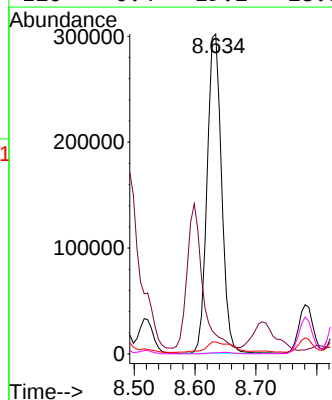
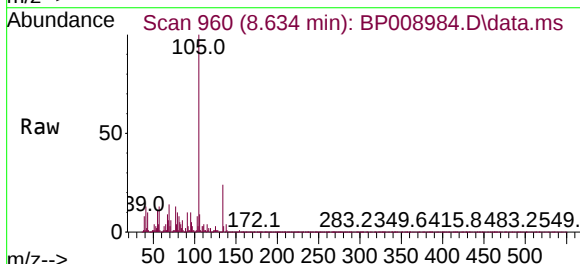
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ClientSampleId :
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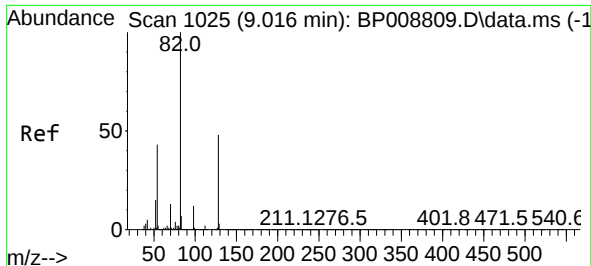
Tgt Ion:	136	Resp:	874561
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.0	13.4
54	7.0	4.9	7.3
68	6.3	4.3	6.5



#22
Acetophenone
Concen: 22.364 ng
RT: 8.634 min Scan# 960
Delta R.T. -0.029 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Tgt Ion:	105	Resp:	498236
Ion Ratio	Lower	Upper	
105	100		
71	6.0	5.3	7.9
51	3.8	16.3	24.5#
120	0.4	19.2	28.8#

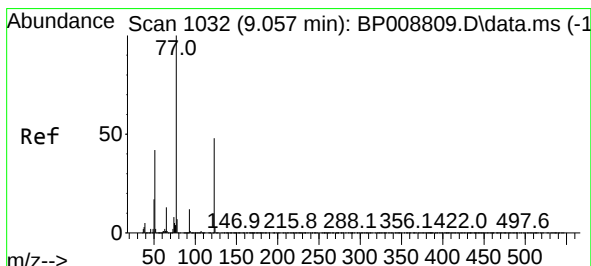
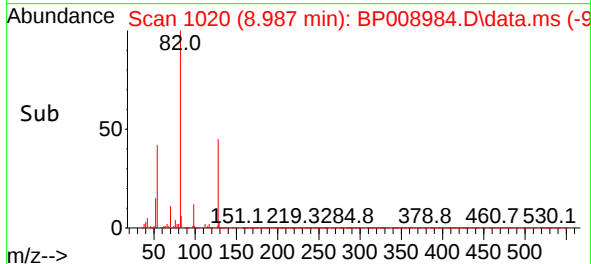
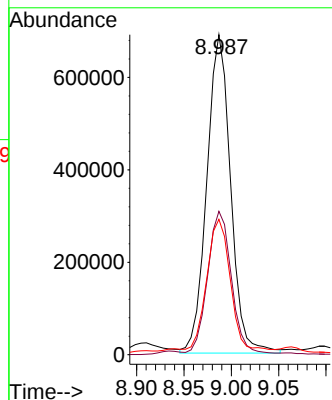
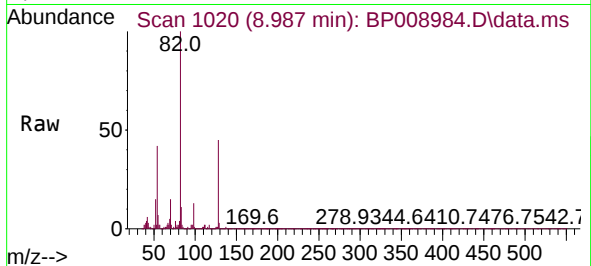




#23
Nitrobenzene-d5
Concen: 78.319 ng
RT: 8.987 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

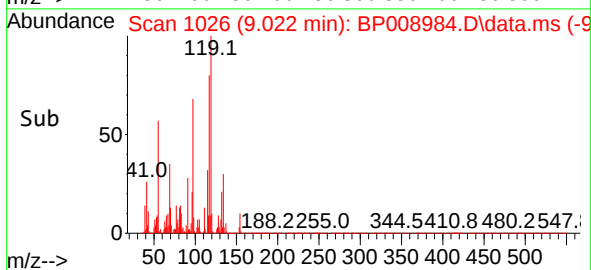
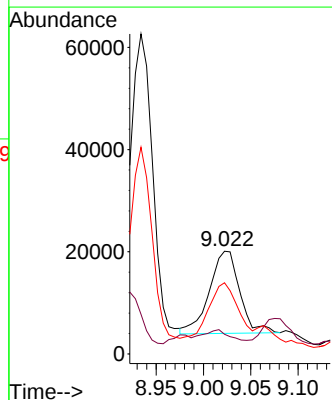
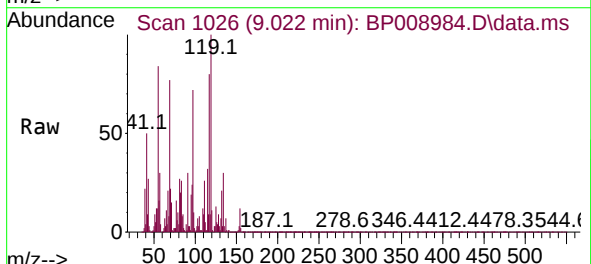
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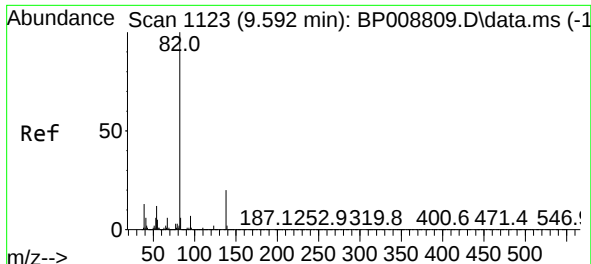
Tgt Ion: 82 Resp: 1206454
Ion Ratio Lower Upper
82 100
128 44.8 39.4 59.2
54 42.3 32.6 48.8



#24
Nitrobenzene
Concen: 2.311 ng
RT: 9.022 min Scan# 1026
Delta R.T. -0.017 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Tgt Ion: 77 Resp: 35965
Ion Ratio Lower Upper
77 100
123 19.1 41.4 62.2#
65 69.4 9.8 14.8#

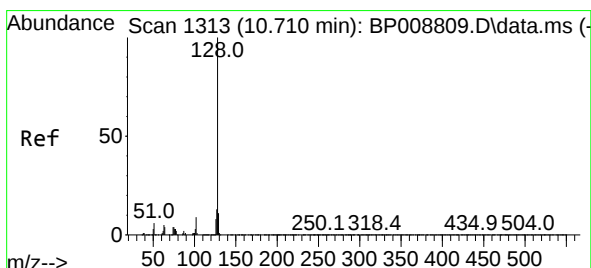
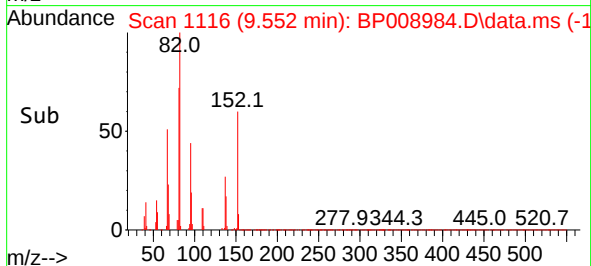
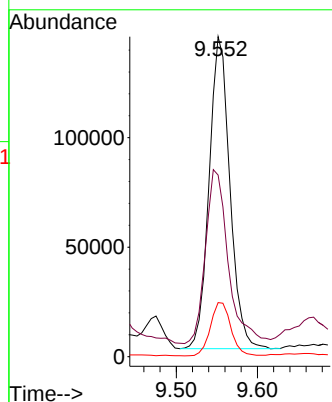
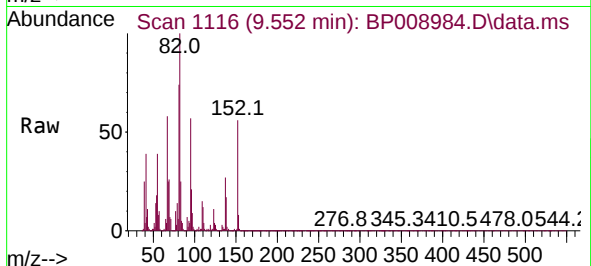




#25
Isophorone
Concen: 9.091 ng
RT: 9.552 min Scan# 1116
Delta R.T. -0.017 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

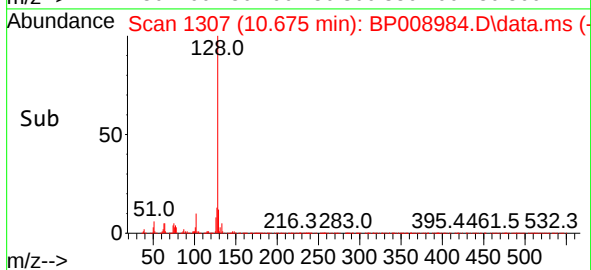
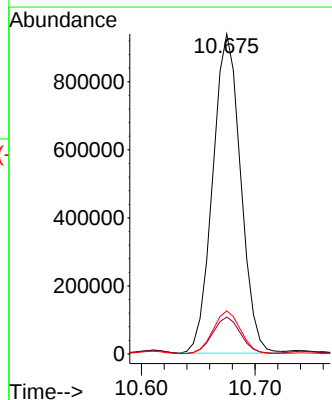
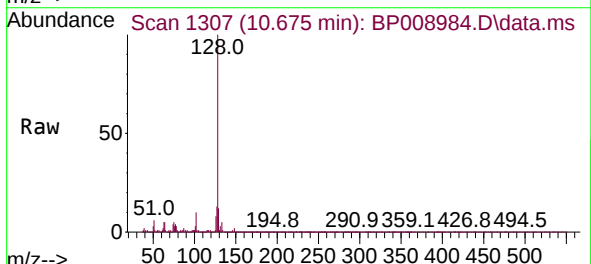
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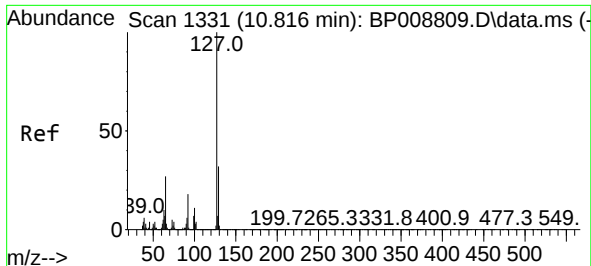
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Ion Ratio Lower Upper
82 100
95 56.8 5.4 8.2#
138 16.9 16.6 24.8



#31
Naphthalene
Concen: 33.755 ng
RT: 10.675 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Tgt Ion: 128 Resp: 1603368
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.4 10.4 15.6

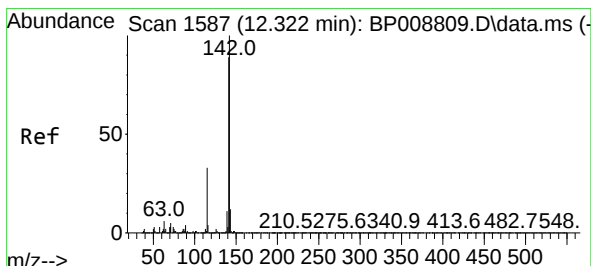
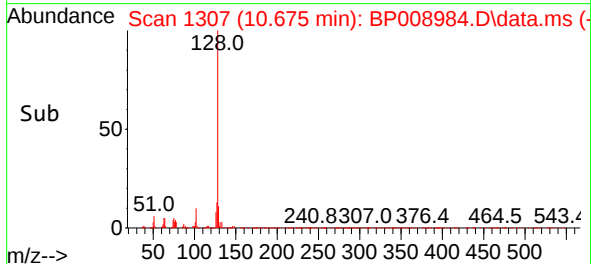
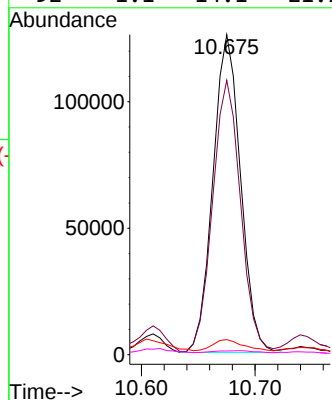
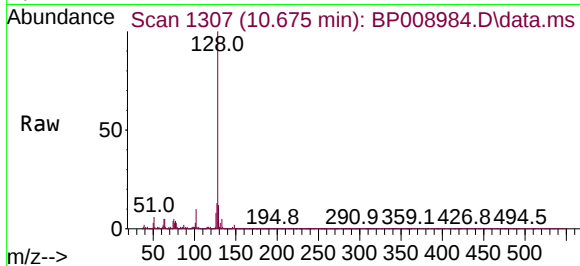




#33
4-Chloroaniline
Concen: 10.974 ng
RT: 10.675 min Scan# 11
Delta R.T. -0.123 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

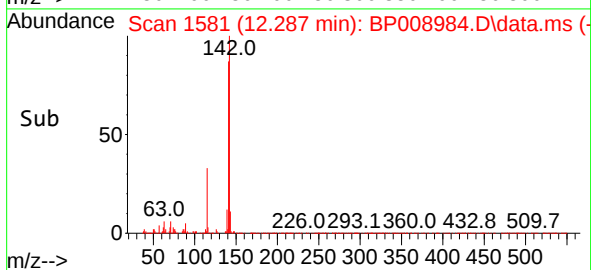
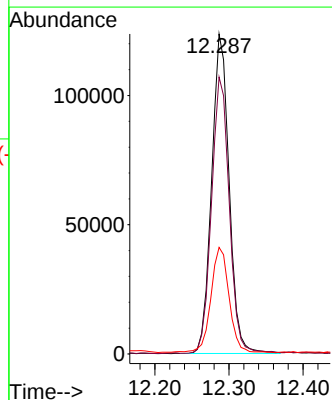
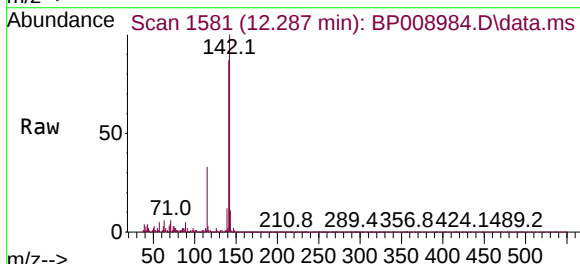
Instrument :
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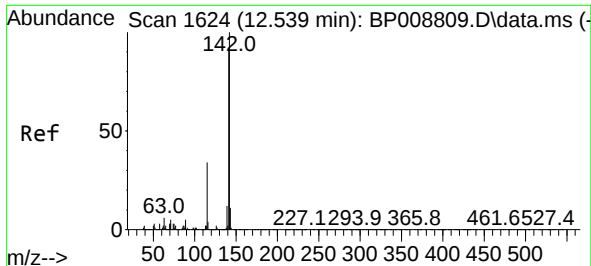
Tgt Ion:	127	Resp:	212431
Ion	Ratio	Lower	Upper
127	100		
129	85.7	26.0	39.0#
65	4.7	20.5	30.7#
92	1.1	14.1	21.1#



#37
2-Methylnaphthalene
Concen: 5.836 ng
RT: 12.287 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Tgt Ion:	142	Resp:	202666
Ion	Ratio	Lower	Upper
142	100		
141	86.6	70.5	105.7
115	33.3	24.6	36.8

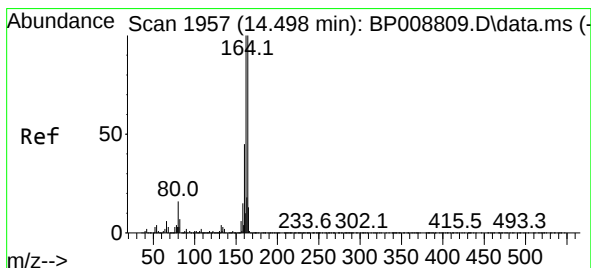
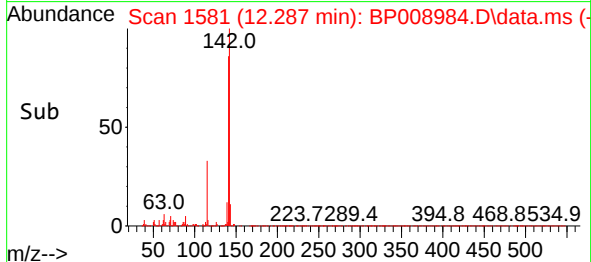
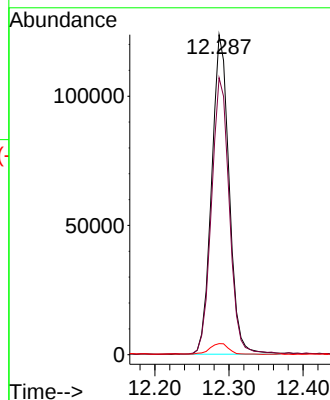
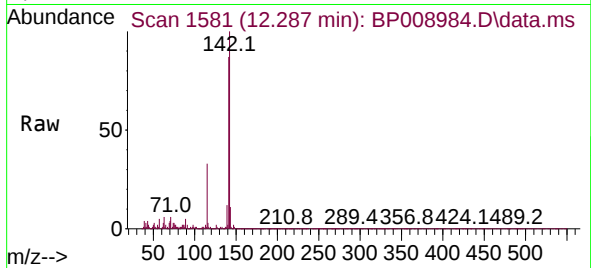




#38
1-Methylnaphthalene
Concen: 6.359 ng
RT: 12.287 min Scan# 1581
Delta R.T. -0.229 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

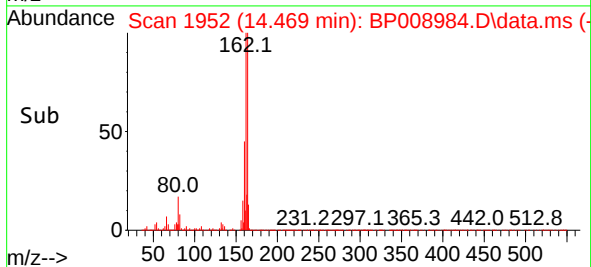
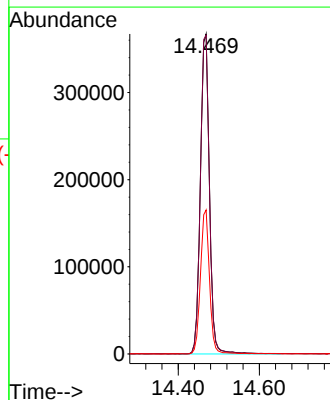
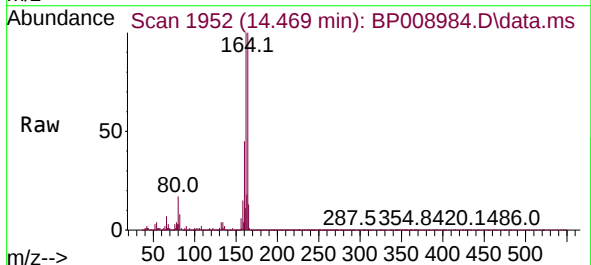
Instrument :
BNA_P
ClientSampleId :
CC-8RE

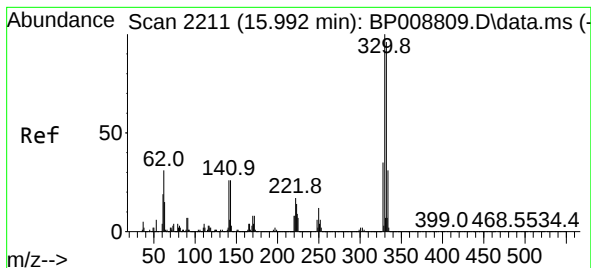
Tgt Ion:142 Resp: 202666
Ion Ratio Lower Upper
142 100
141 86.6 73.2 109.8
116 3.4 2.7 4.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.469 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Tgt Ion:164 Resp: 570485
Ion Ratio Lower Upper
164 100
162 99.6 79.9 119.9
160 45.0 35.5 53.3





#42

2,4,6-Tribromophenol

Concen: 0.130 ng

RT: 15.975 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP008984.D

Acq: 01 Feb 2022 13:44

Instrument :

BNA_P

ClientSampleId :

CC-8RE

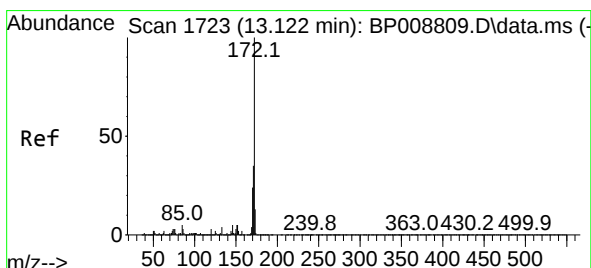
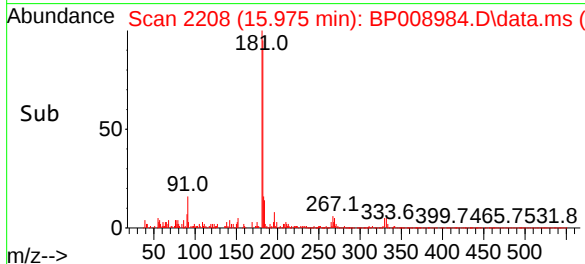
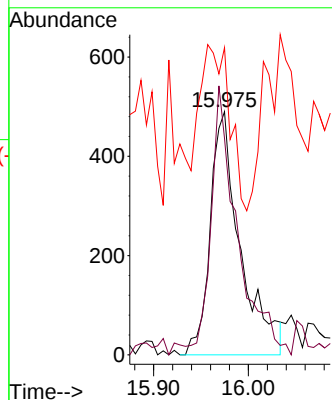
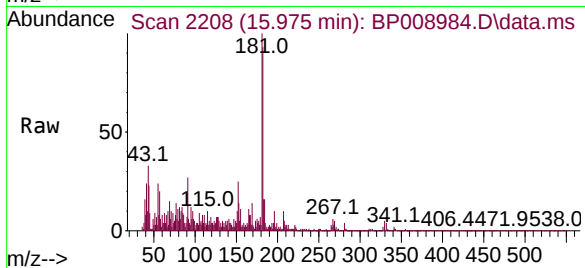
Tgt Ion:330 Resp: 1081

Ion Ratio Lower Upper

330 100

332 89.5 77.0 115.4

141 67.2 21.3 31.9#



#45

2-Fluorobiphenyl

Concen: 71.997 ng

RT: 13.087 min Scan# 1717

Delta R.T. -0.012 min

Lab File: BP008984.D

Acq: 01 Feb 2022 13:44

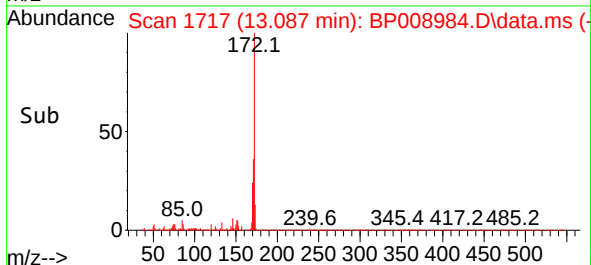
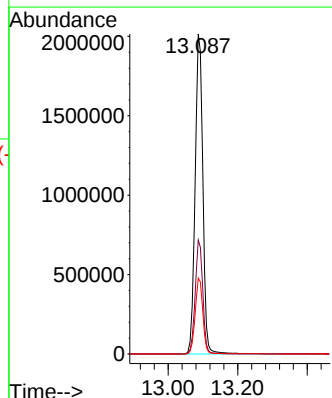
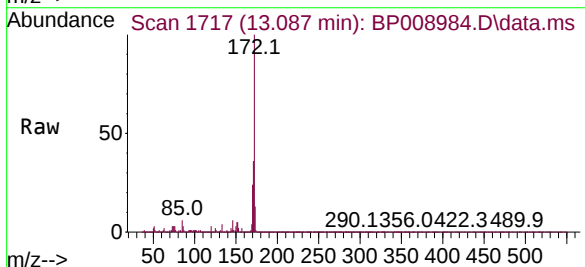
Tgt Ion:172 Resp: 3114568

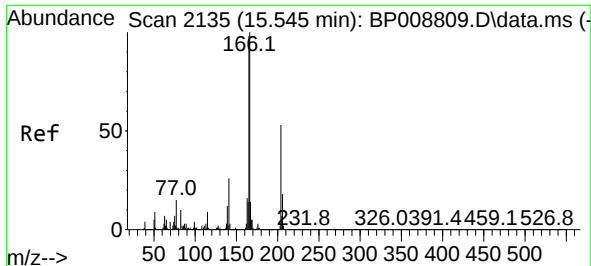
Ion Ratio Lower Upper

172 100

171 35.6 29.3 43.9

170 23.7 19.5 29.3

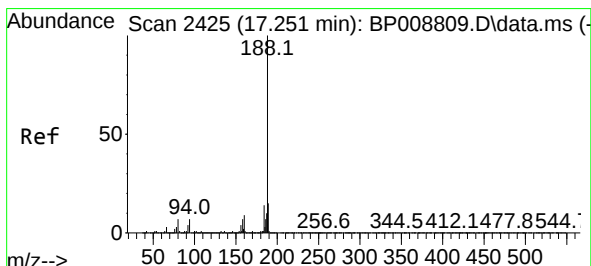
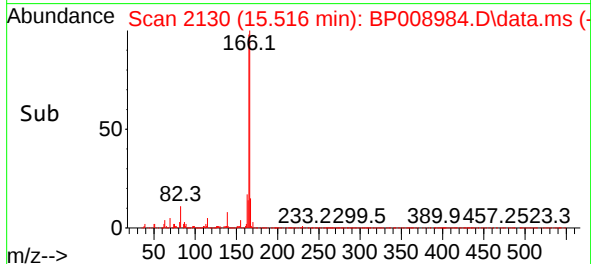
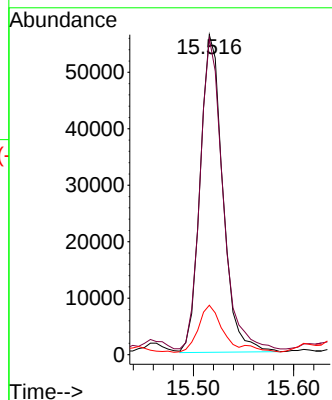
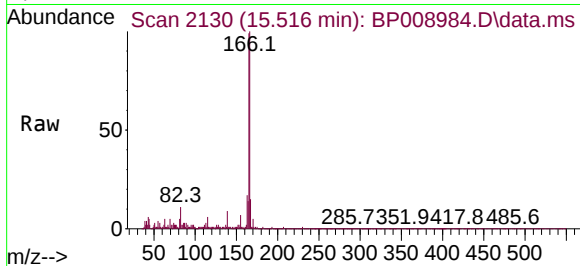




#58
Fluorene
Concen: 2.141 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

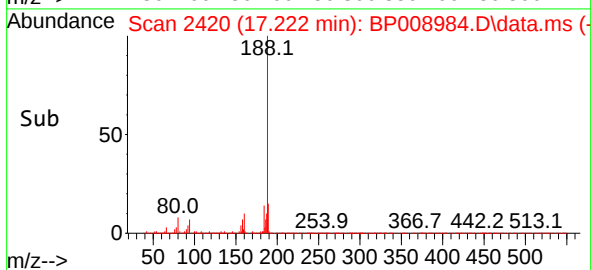
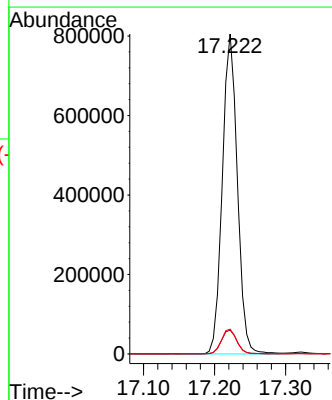
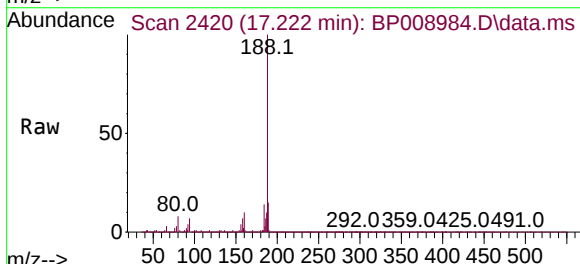
Instrument :
BNA_P
ClientSampleId :
CC-8RE

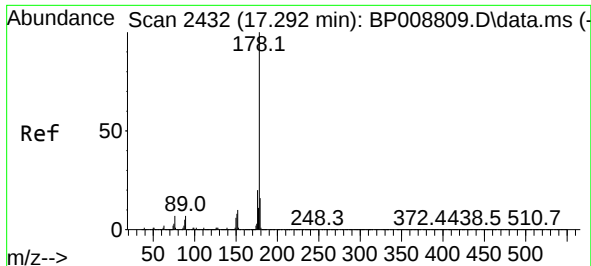
Tgt Ion:166 Resp: 88376
Ion Ratio Lower Upper
166 100
165 98.9 77.2 115.8
167 15.4 11.2 16.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2420
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Tgt Ion:188 Resp: 1176610
Ion Ratio Lower Upper
188 100
94 7.5 6.8 10.2
80 7.7 7.2 10.8

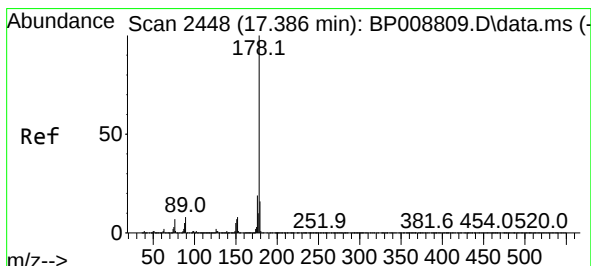
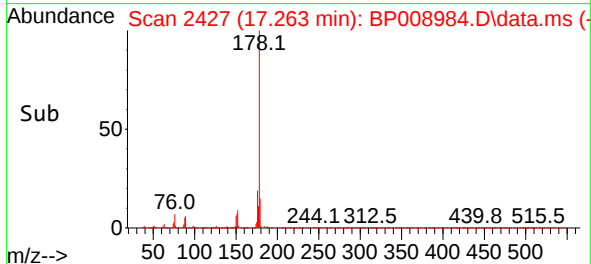
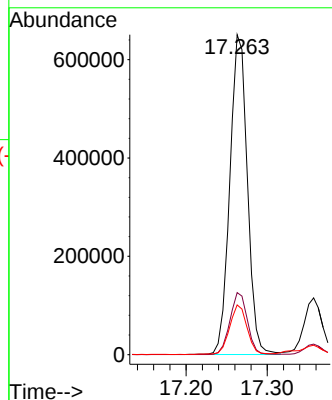
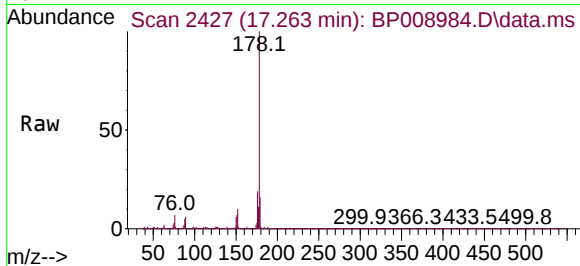




#71
Phenanthrene
Concen: 14.727 ng
RT: 17.263 min Scan# 2432
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

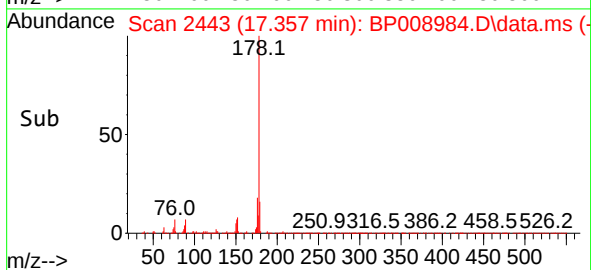
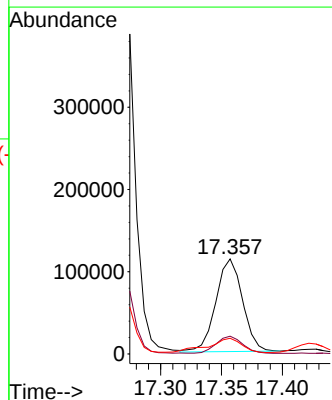
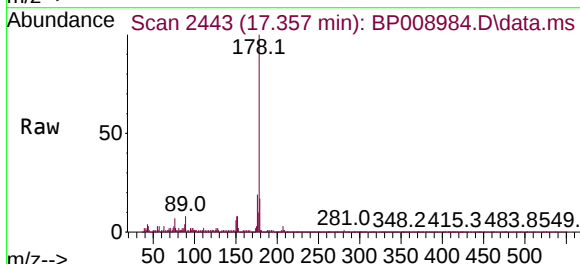
Instrument :
BNA_P
ClientSampleId :
CC-8RE

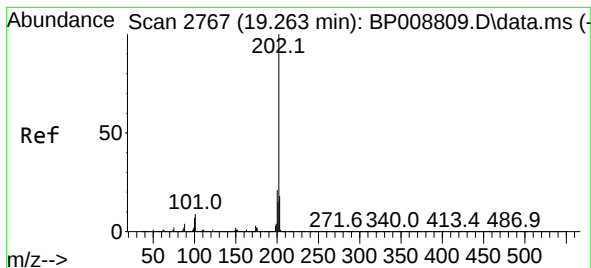
Tgt Ion:178 Resp: 975643
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.5 13.0 19.4



#72
Anthracene
Concen: 2.597 ng
RT: 17.357 min Scan# 2443
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Tgt Ion:178 Resp: 172621
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 16.6 12.8 19.2





#75

Fluoranthene

Concen: 14.244 ng

RT: 19.233 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP008984.D

Acq: 01 Feb 2022 13:44

Instrument :

BNA_P

ClientSampleId :

CC-8RE

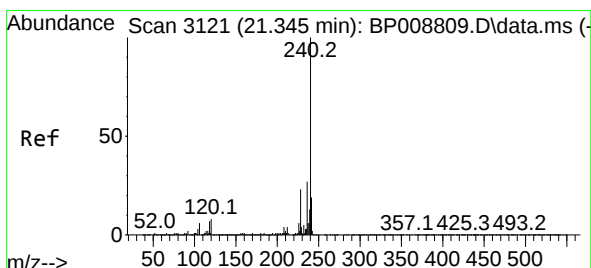
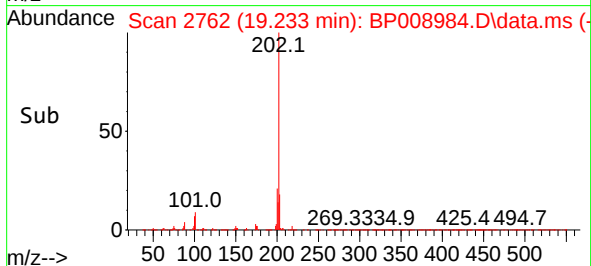
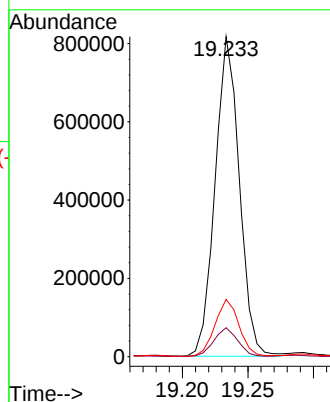
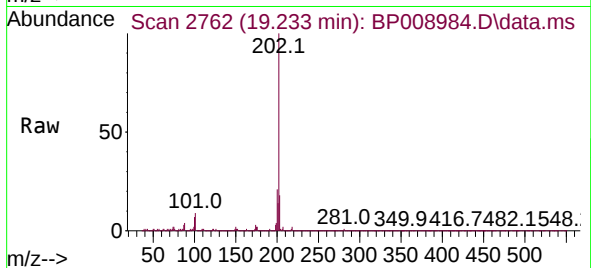
Tgt Ion:202 Resp: 1049348

Ion Ratio Lower Upper

202 100

101 9.1 0.0 30.7

203 17.9 0.0 38.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.316 min Scan# 3116

Delta R.T. -0.012 min

Lab File: BP008984.D

Acq: 01 Feb 2022 13:44

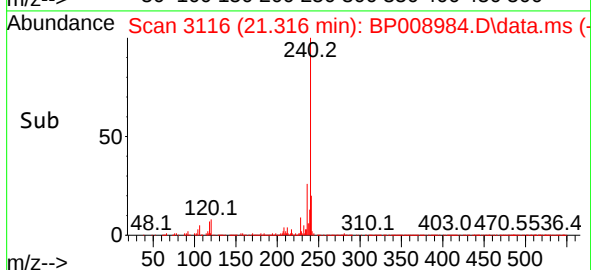
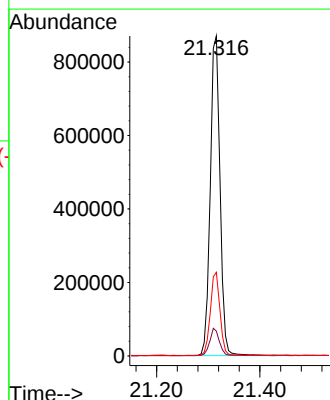
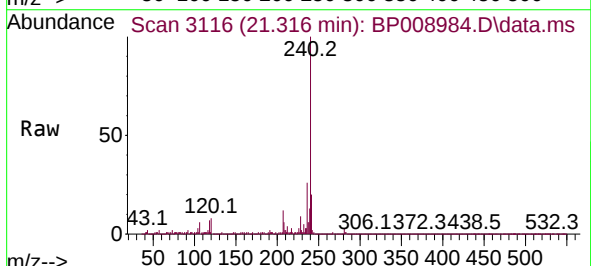
Tgt Ion:240 Resp: 1137364

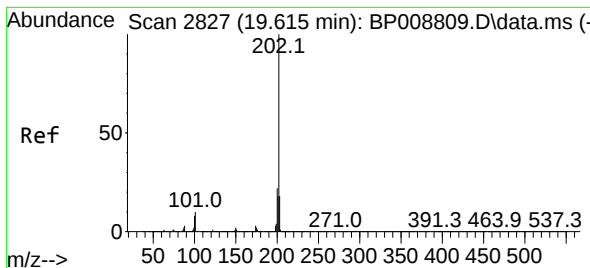
Ion Ratio Lower Upper

240 100

120 7.7 7.7 11.5

236 26.2 21.2 31.8





#78

Pyrene

Concen: 12.359 ng

RT: 19.586 min Scan# 2822

Delta R.T. -0.012 min

Lab File: BP008984.D

Acq: 01 Feb 2022 13:44

Instrument :

BNA_P

ClientSampleId :

CC-8RE

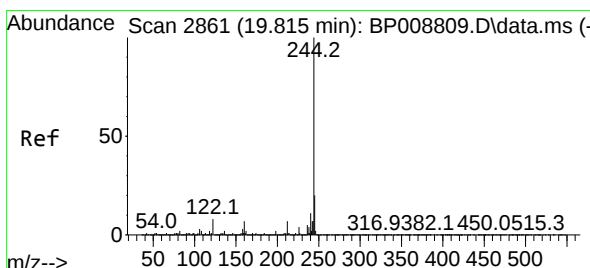
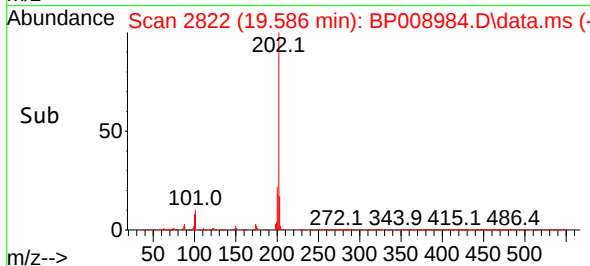
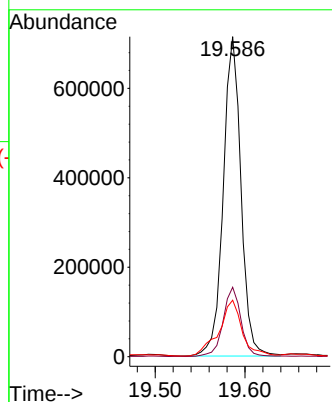
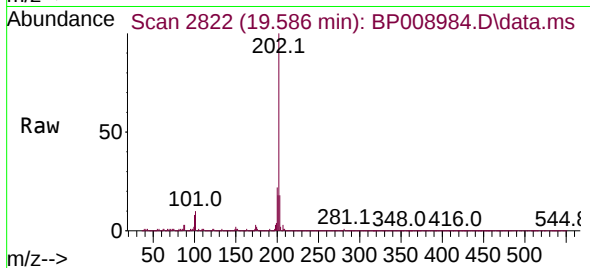
Tgt Ion:202 Resp: 980779

Ion Ratio Lower Upper

202 100

200 21.7 18.0 27.0

203 17.7 15.0 22.6



#79

Terphenyl-d14

Concen: 70.437 ng

RT: 19.786 min Scan# 2856

Delta R.T. -0.012 min

Lab File: BP008984.D

Acq: 01 Feb 2022 13:44

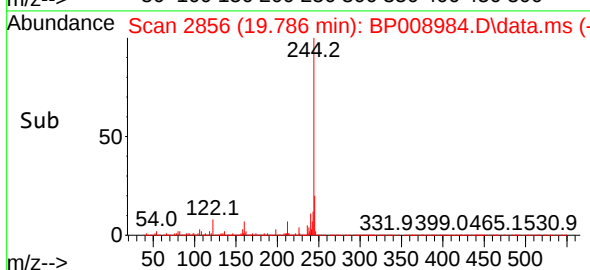
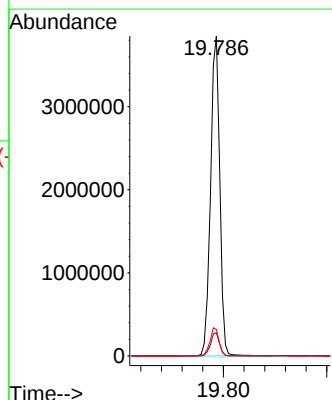
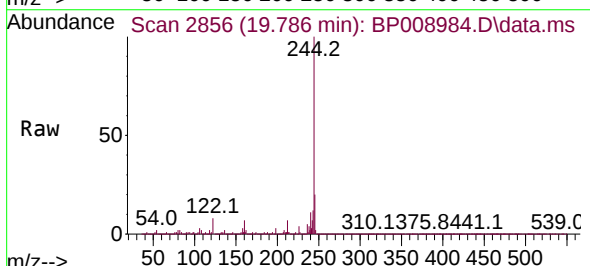
Tgt Ion:244 Resp: 4746192

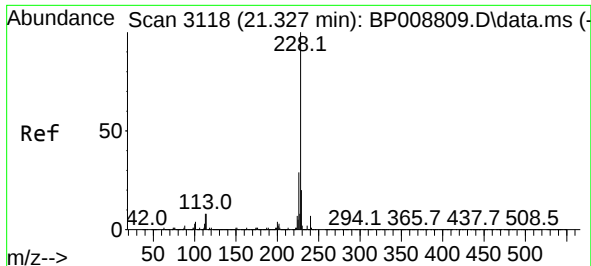
Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

122 8.3 9.2 13.8#

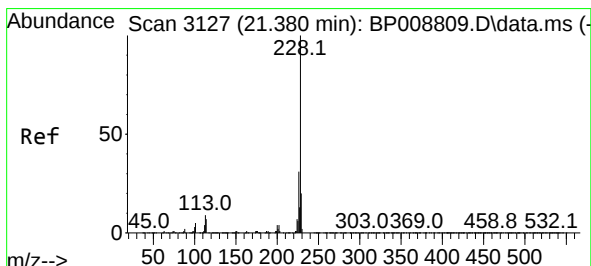
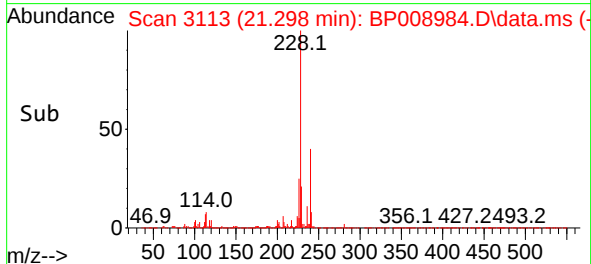
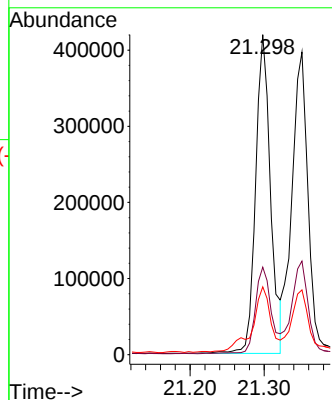
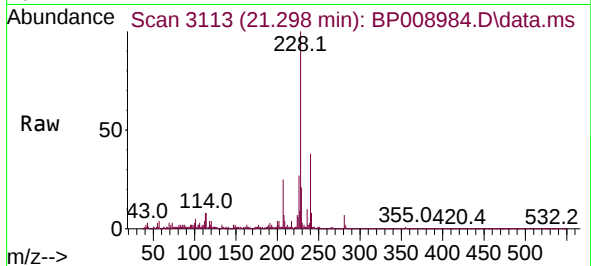




#81
Benzo(a)anthracene
Concen: 7.657 ng
RT: 21.298 min Scan# 3118
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

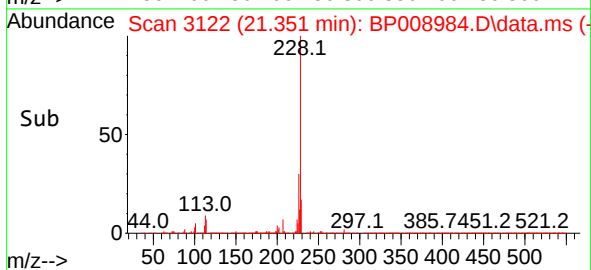
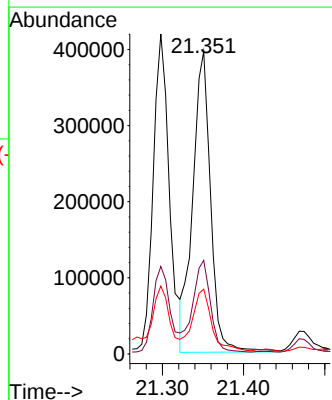
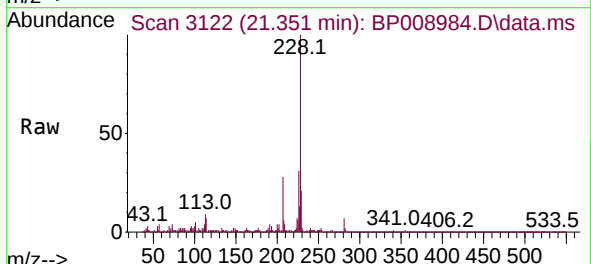
Instrument :
BNA_P
ClientSampleId :
CC-8RE

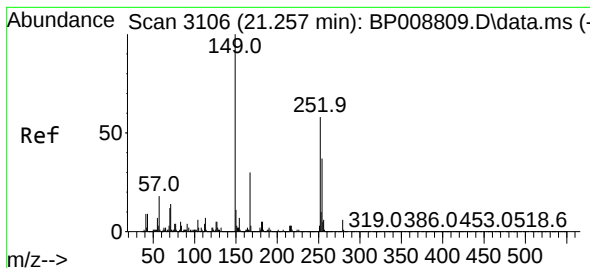
Tgt Ion:228 Resp: 585923
Ion Ratio Lower Upper
228 100
226 27.3 23.3 34.9
229 21.2 17.0 25.6



#83
Chrysene
Concen: 8.164 ng
RT: 21.351 min Scan# 3122
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Tgt Ion:228 Resp: 605570
Ion Ratio Lower Upper
228 100
226 30.9 26.0 39.0
229 21.4 16.9 25.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.265 ng

RT: 21.222 min Scan# 3106

Delta R.T. -0.018 min

Lab File: BP008984.D

Acq: 01 Feb 2022 13:44

Instrument :

BNA_P

ClientSampleId :

CC-8RE

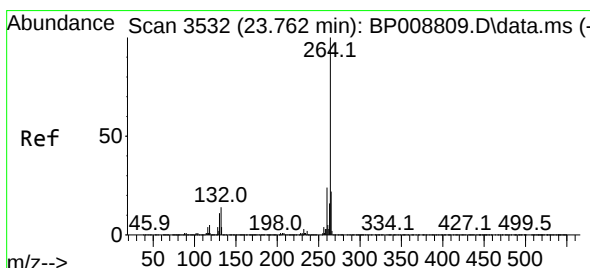
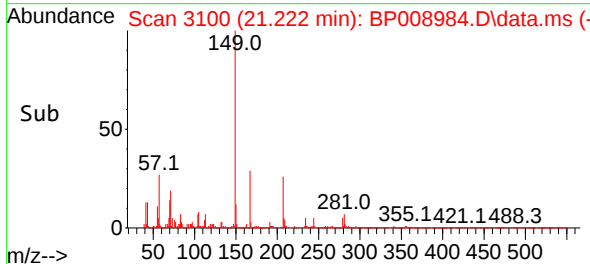
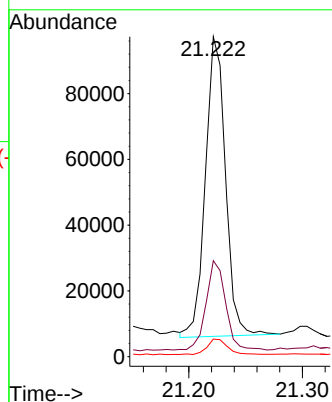
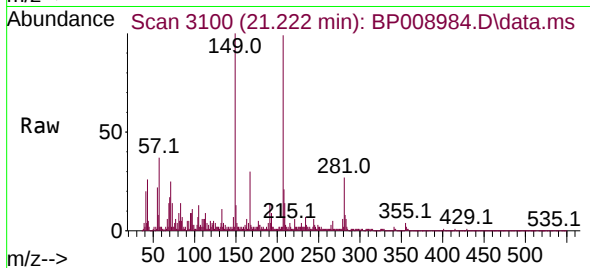
Tgt Ion:149 Resp: 111934

Ion Ratio Lower Upper

149 100

167 30.0 25.0 37.4

279 5.5 4.8 7.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.721 min Scan# 3525

Delta R.T. -0.018 min

Lab File: BP008984.D

Acq: 01 Feb 2022 13:44

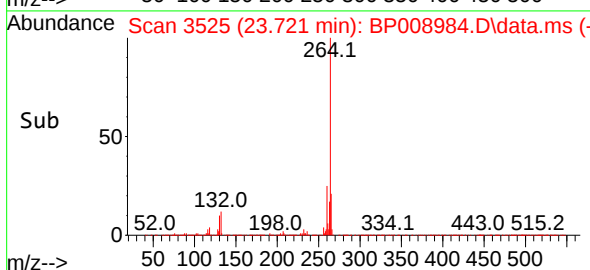
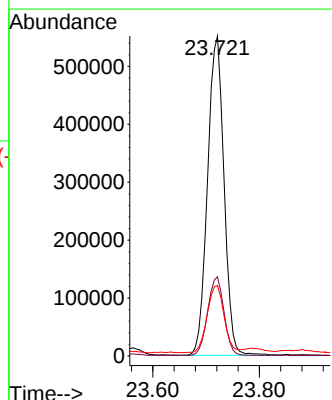
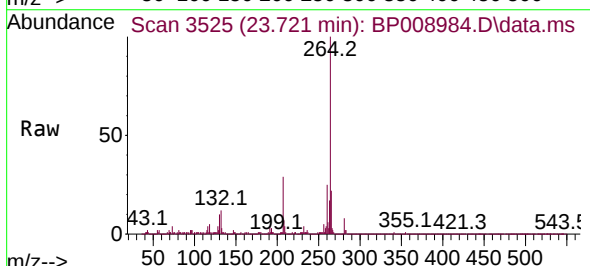
Tgt Ion:264 Resp: 1181282

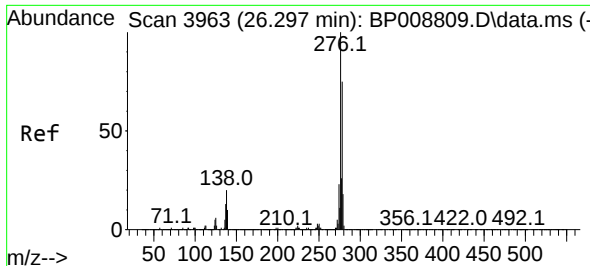
Ion Ratio Lower Upper

264 100

260 24.7 19.1 28.7

265 22.0 17.1 25.7

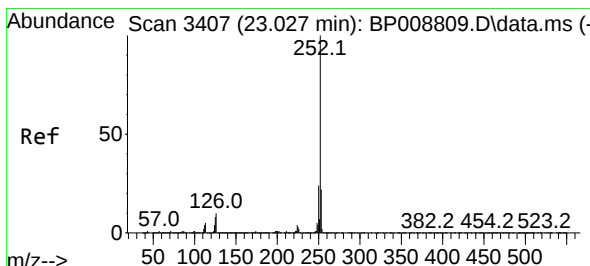
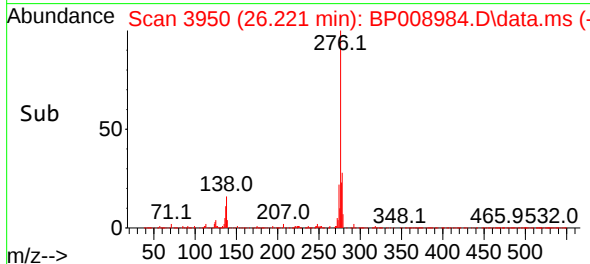
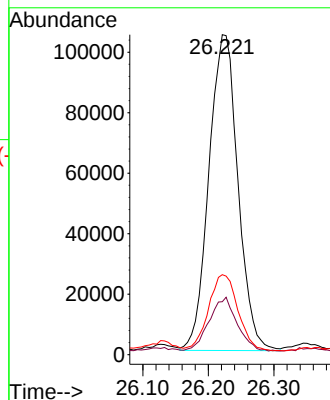
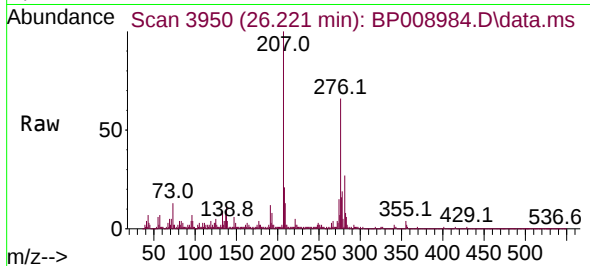




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.300 ng
 RT: 26.221 min Scan# 3950
 Delta R.T. -0.041 min
 Lab File: BP008984.D
 Acq: 01 Feb 2022 13:44

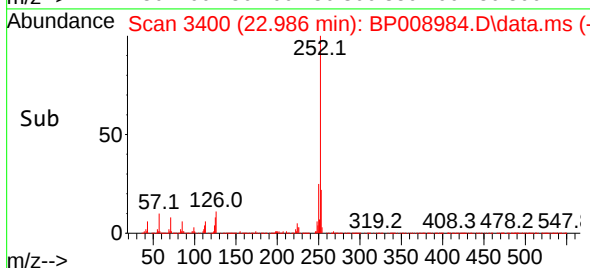
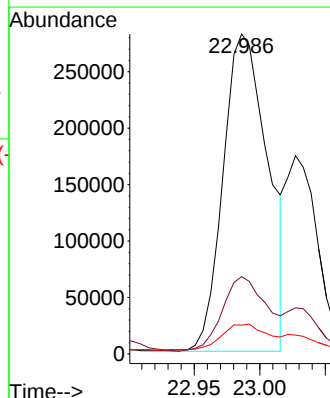
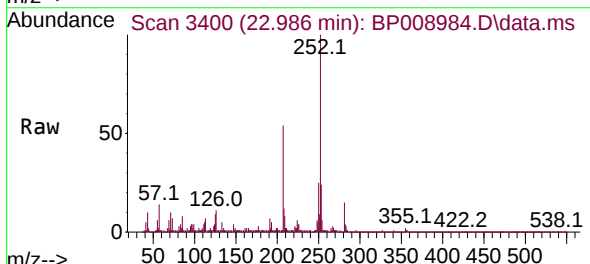
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 BNA_P
 ClientSampleId :
 CC-8RE

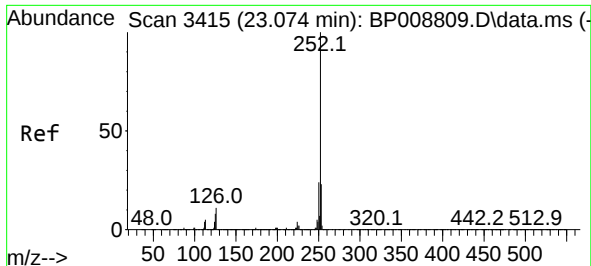
Tgt Ion:276 Resp: 321210
 Ion Ratio Lower Upper
 276 100
 138 16.4 17.8 26.6#
 277 24.6 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 8.437 ng
 RT: 22.986 min Scan# 3400
 Delta R.T. -0.017 min
 Lab File: BP008984.D
 Acq: 01 Feb 2022 13:44

Tgt Ion:252 Resp: 665595
 Ion Ratio Lower Upper
 252 100
 253 24.1 18.0 27.0
 125 9.0 6.9 10.3

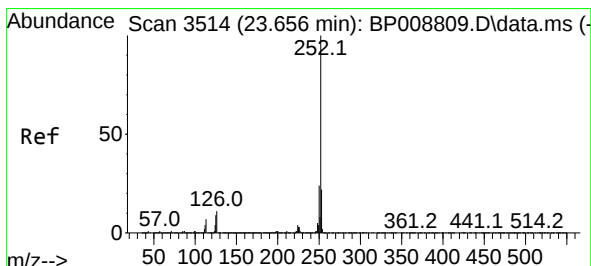
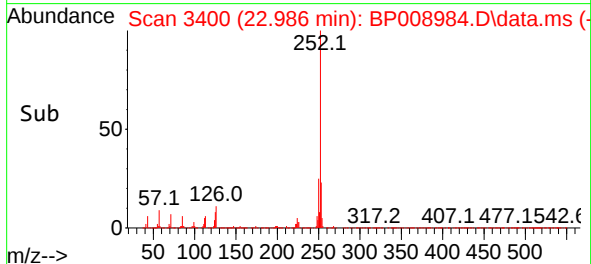
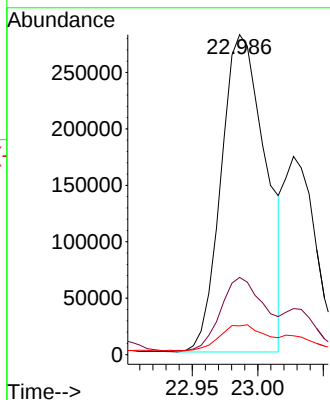
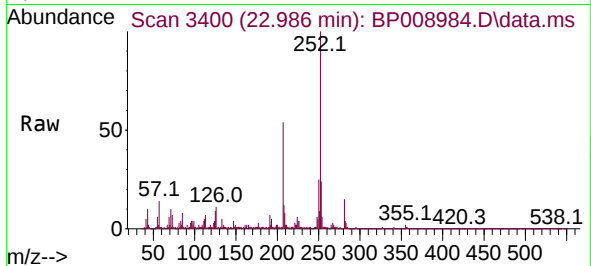




#89
Benzo(k)fluoranthene
Concen: 8.716 ng
RT: 22.986 min Scan# 3415
Delta R.T. -0.065 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

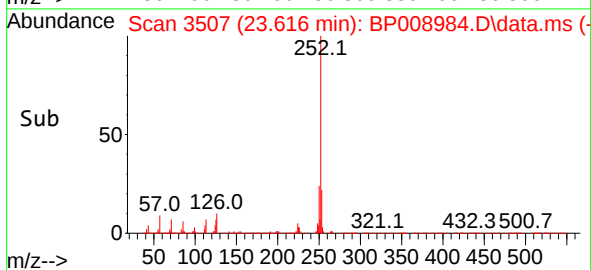
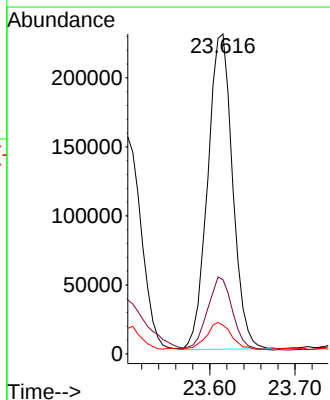
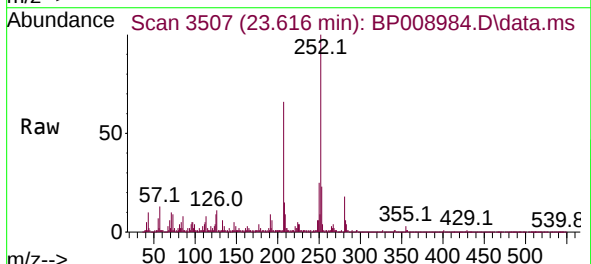
Instrument :
BNA_P
ClientSampleId :
CC-8RE

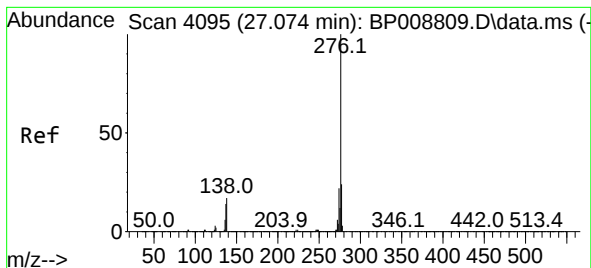
Tgt Ion:252 Resp: 665595
Ion Ratio Lower Upper
252 100
253 24.1 18.2 27.2
125 9.0 7.3 10.9



#90
Benzo(a)pyrene
Concen: 6.096 ng
RT: 23.616 min Scan# 3507
Delta R.T. -0.017 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Tgt Ion:252 Resp: 464184
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 9.0 7.8 11.6





#92

Benzo(g,h,i)perylene

Concen: 3.832 ng

RT: 26.992 min Scan# 40

Delta R.T. -0.041 min

Lab File: BP008984.D

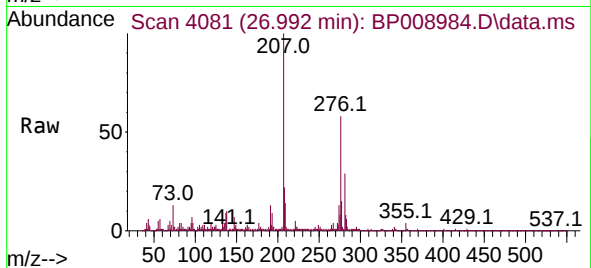
Acq: 01 Feb 2022 13:44

Instrument :

BNA_P

ClientSampleId :

CC-8RE



Tgt Ion:276 Resp: 309683

Ion Ratio Lower Upper

276 100

277 25.0 19.2 28.8

138 17.3 15.0 22.4

