

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

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/02/2022
 Supervised By : Jagrut Upadhyay 02/02/2022

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
31) Naphthalene	10.675	128	1603368	33.755	ng	99
37) 2-Methylnaphthalene	12.287	142	202666	5.836	ng	98
38) 1-Methylnaphthalene	12.504	142	111358m	3.494	ng	
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
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	23.027	252	299118m	3.917	ng	
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

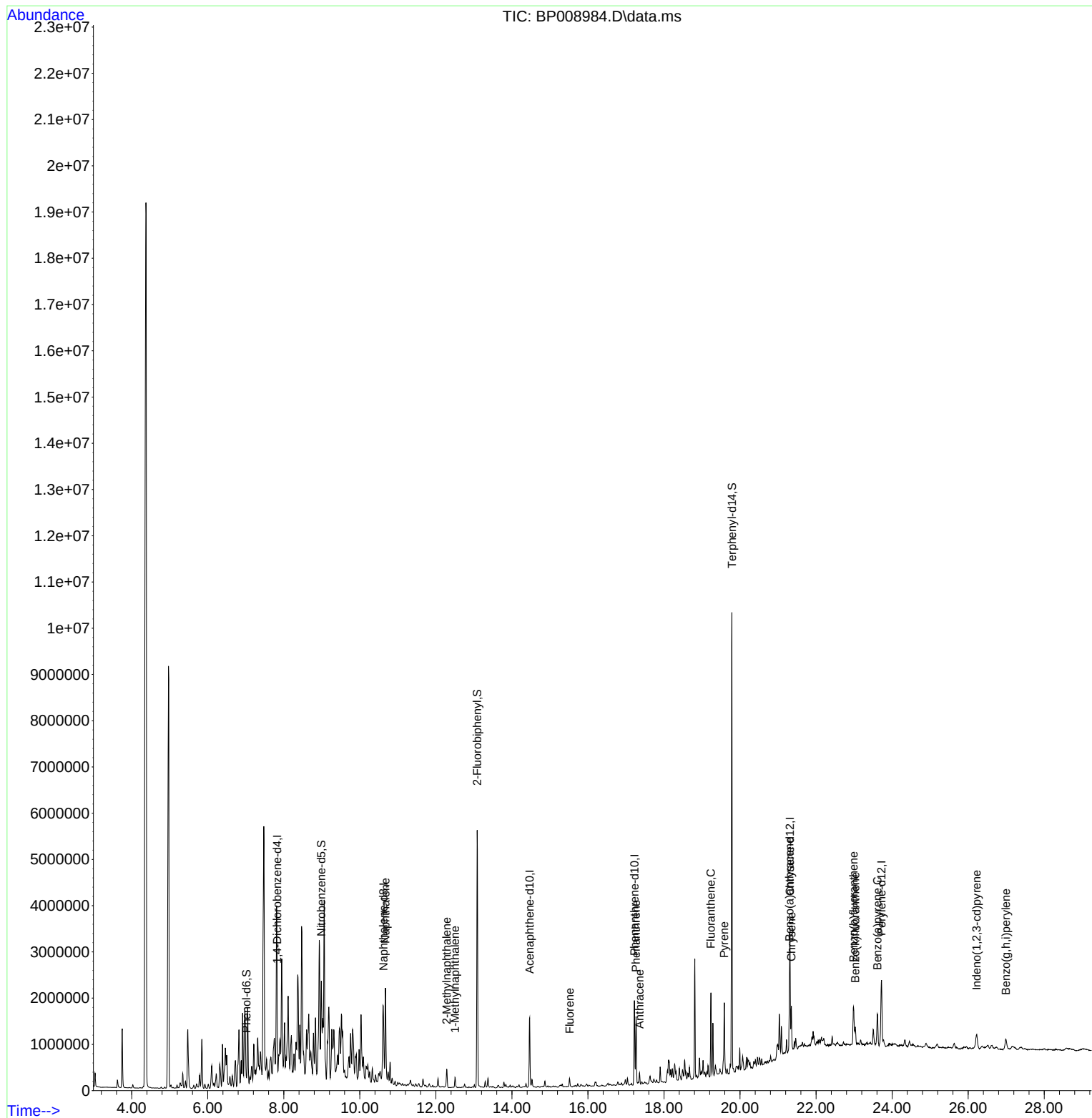
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020122\
Data File : BP008984.D
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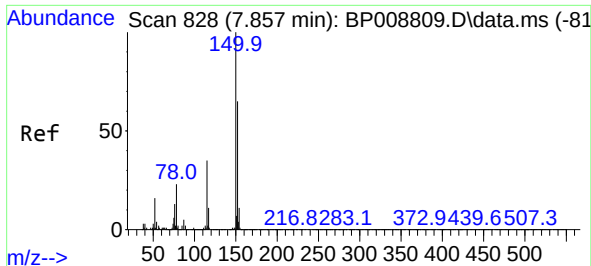
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
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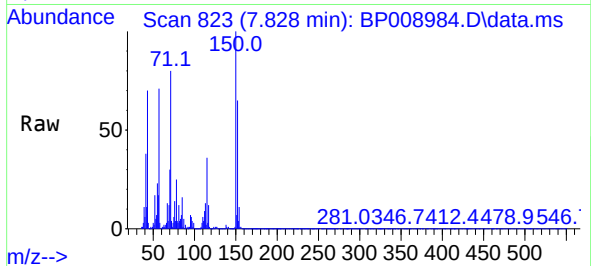
Reviewed By : Christian Giraldo 02/02/2022
Supervised By : Jagrut Upadhyay 02/02/2022





#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

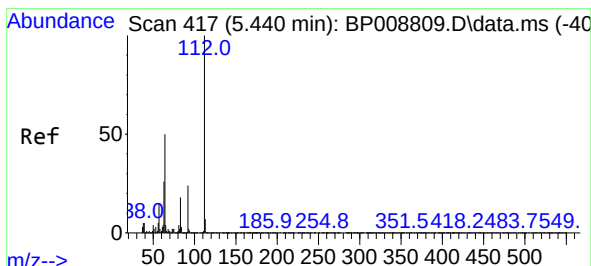
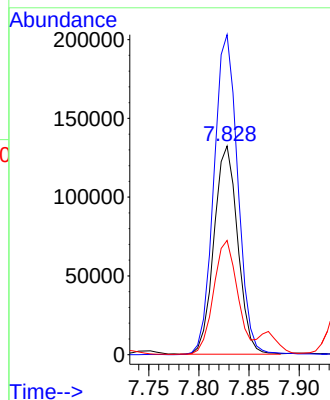
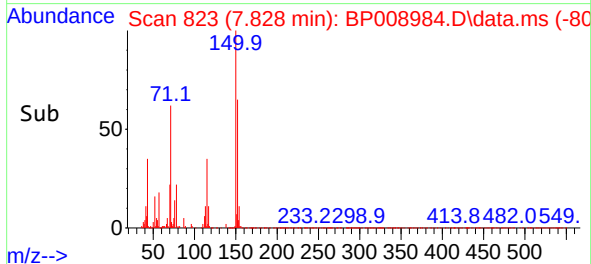
Instrument :
BNA_P
ClientSampleId :
CC-8RE



Tgt Ion:152 Resp: 217430
Ion Ratio Lower Upper
152 100
150 153.3 127.0 190.6
115 54.8 43.7 65.5

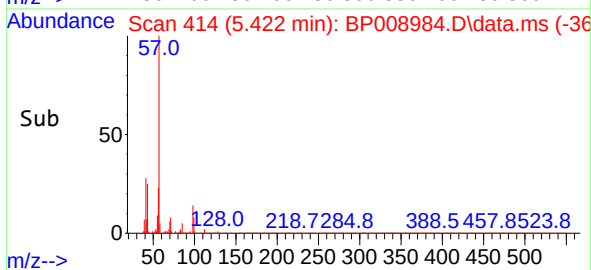
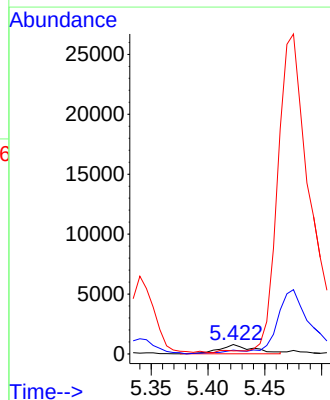
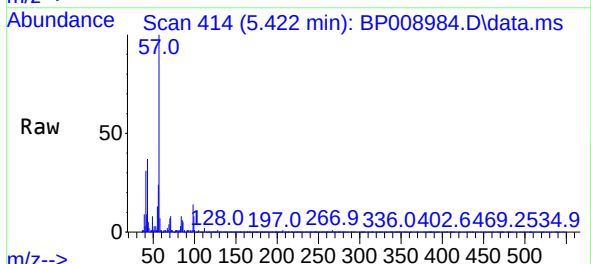
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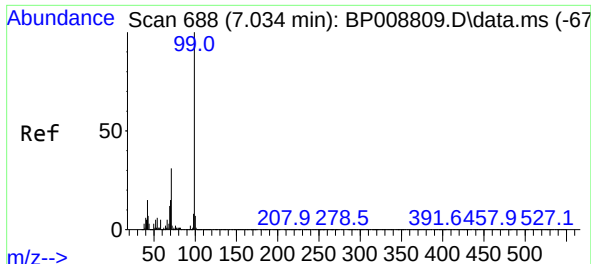
Reviewed By :Christian Giraldo 02/02/2022
Supervised By :Jagrut Upadhyay 02/02/2022



#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#





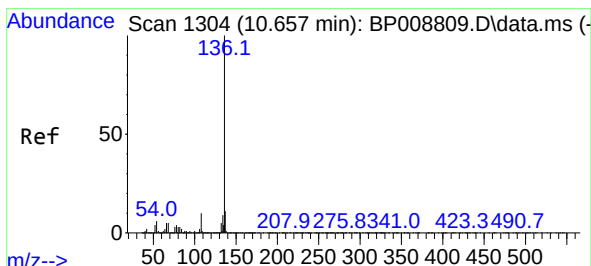
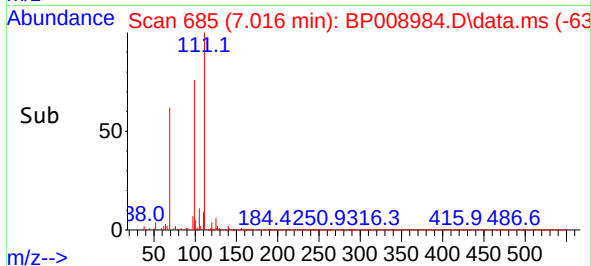
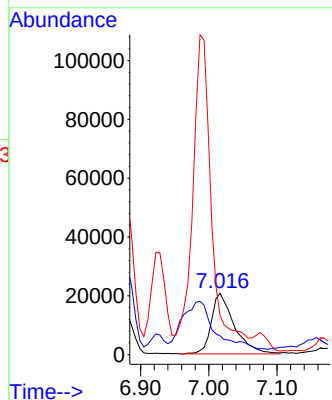
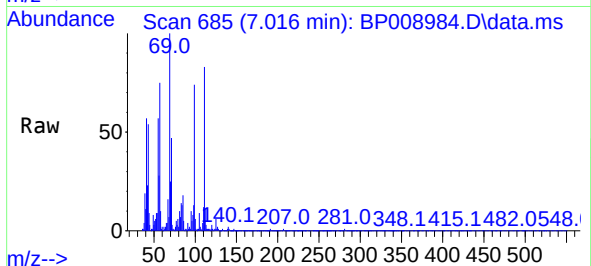
#7
Phenol-d6
Concen: 2.830 ng
RT: 7.016 min Scan# 60
Delta R.T. 0.000 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Instrument :
BNA_P
ClientSampleId :
CC-8RE

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

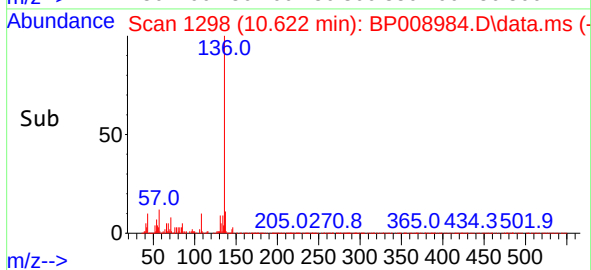
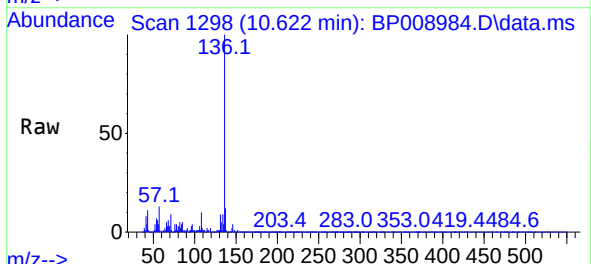
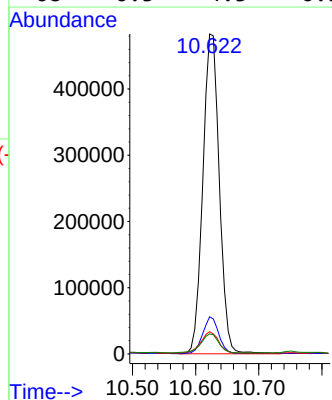
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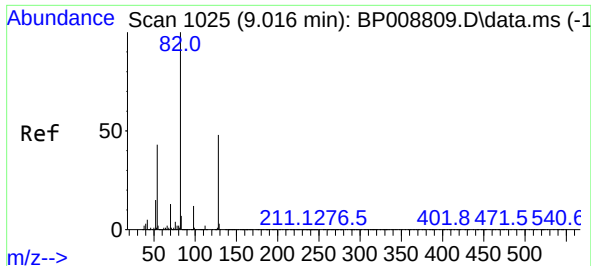
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1298
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

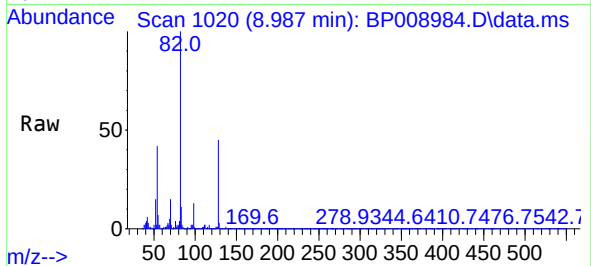
Tgt Ion:136 Resp: 874561
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.4
54 7.0 4.9 7.3
68 6.3 4.3 6.5





#23
Nitrobenzene-d5
Concen: 78.319 ng
RT: 8.987 min Scan# 10
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

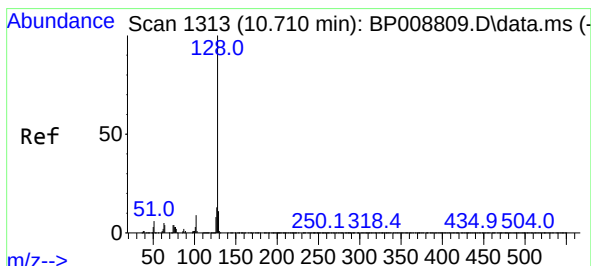
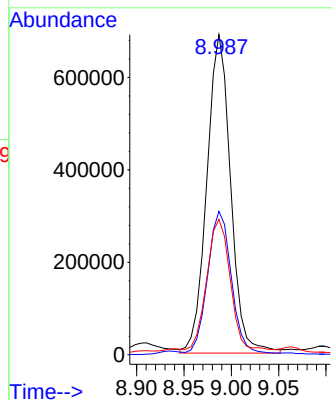
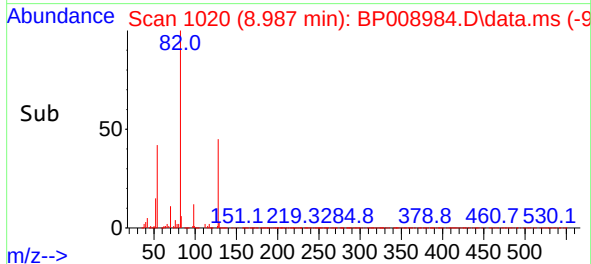
Instrument :
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ClientSampleId :
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Tgt Ion: 82 Resp: 1206454
Ion Ratio Lower Upper
82 100
128 44.8 39.4 59.2
54 42.3 32.6 48.8

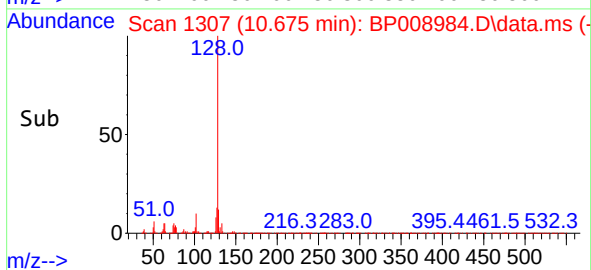
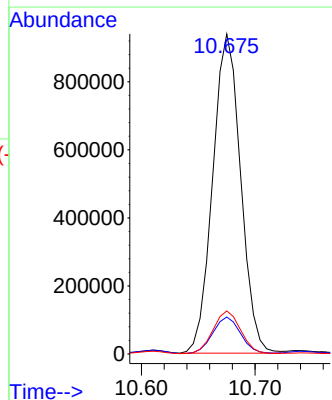
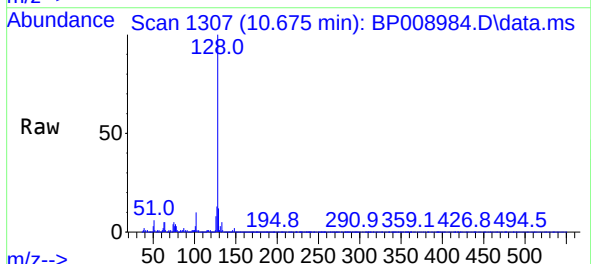
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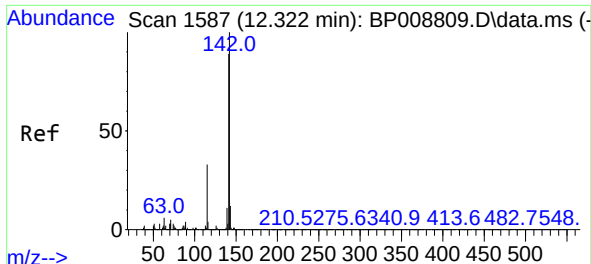
Reviewed By :Christian Giraldo 02/02/2022
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#31
Naphthalene
Concen: 33.755 ng
RT: 10.675 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

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





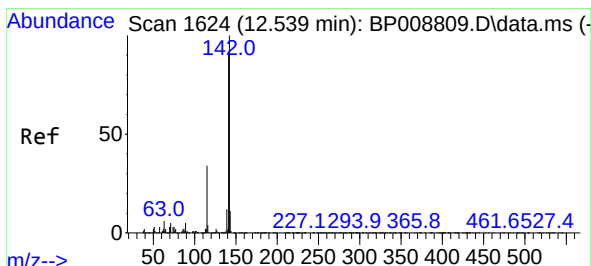
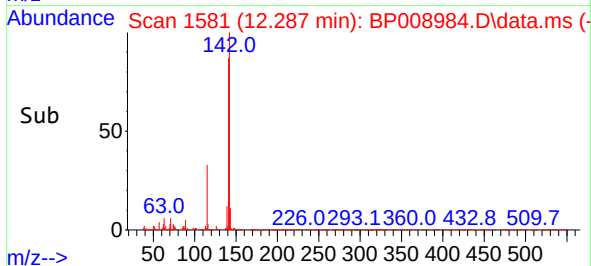
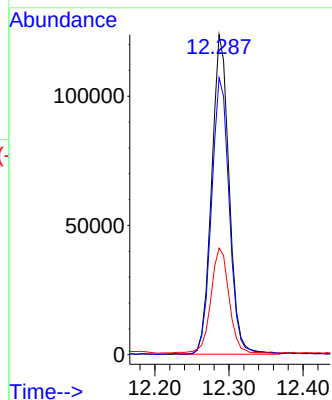
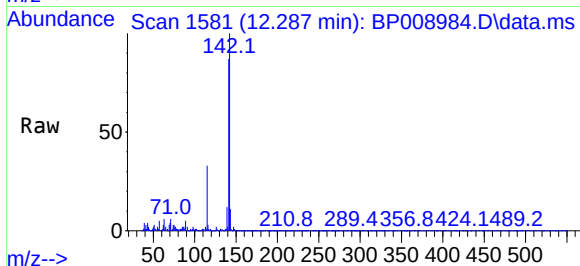
#37
2-Methylnaphthalene
Concen: 5.836 ng
RT: 12.287 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Instrument :
BNA_P
ClientSampleId :
CC-8RE

Tgt Ion:142 Resp: 20266
Ion Ratio Lower Upper
142 100
141 86.6 70.5 105.7
115 33.3 24.6 36.8

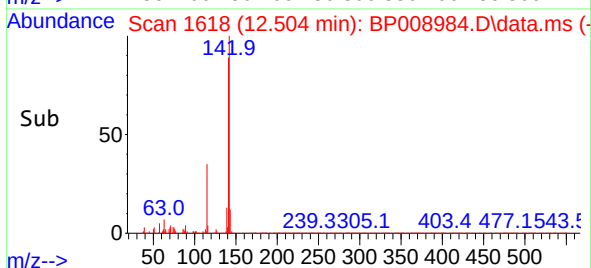
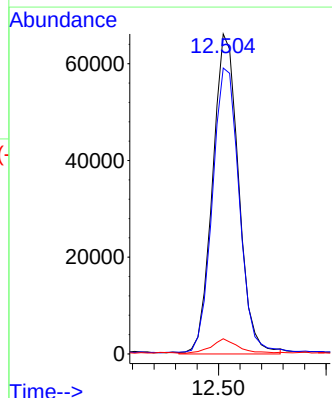
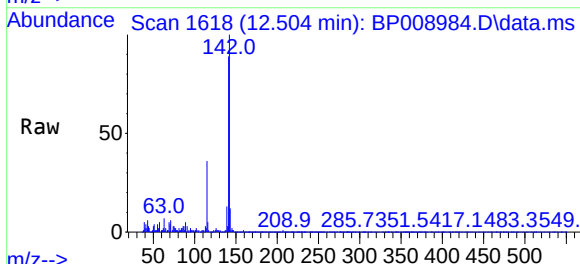
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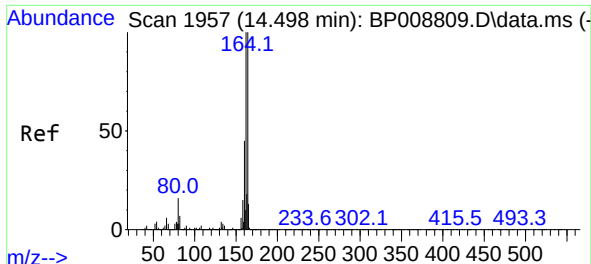
Reviewed By :Christian Giraldo 02/02/2022
Supervised By :Jagrut Upadhyay 02/02/2022



#38
1-Methylnaphthalene
Concen: 3.494 ng m
RT: 12.504 min Scan# 1618
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Tgt Ion:142 Resp: 111358
Ion Ratio Lower Upper
142 100
141 89.4 73.2 109.8
116 4.7 2.7 4.1#





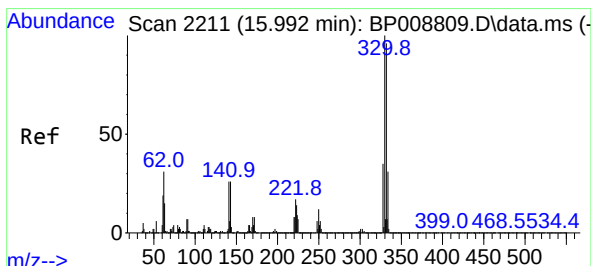
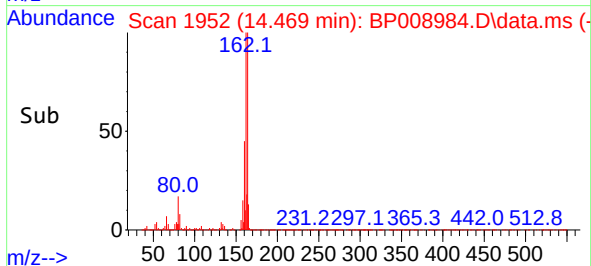
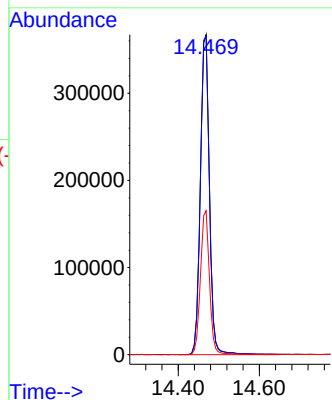
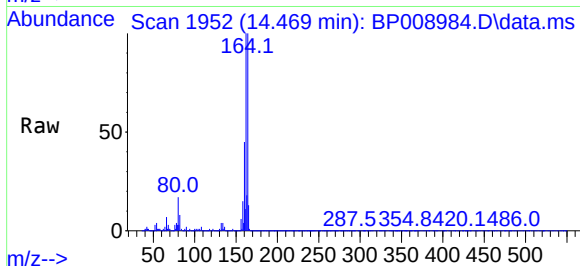
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.469 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Instrument :
BNA_P
ClientSampleId :
CC-8RE

Tgt Ion:164 Resp: 57048
Ion Ratio Lower Upper
164 100
162 99.6 79.9 119.9
160 45.0 35.5 53.3

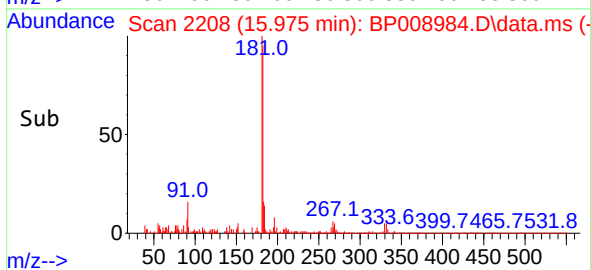
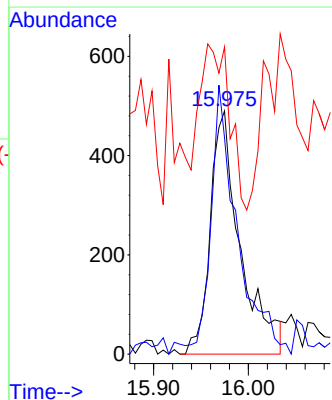
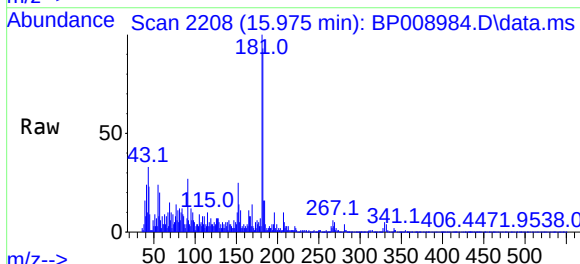
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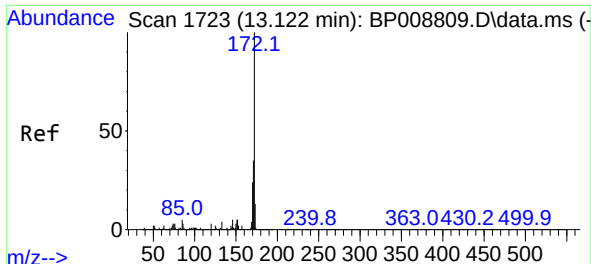
Reviewed By :Christian Giraldo 02/02/2022
Supervised By :Jagrut Upadhyay 02/02/2022



#42
2,4,6-Tribromophenol
Concen: 0.130 ng
RT: 15.975 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

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# 11
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Instrument :

BNA_P

ClientSampleId :

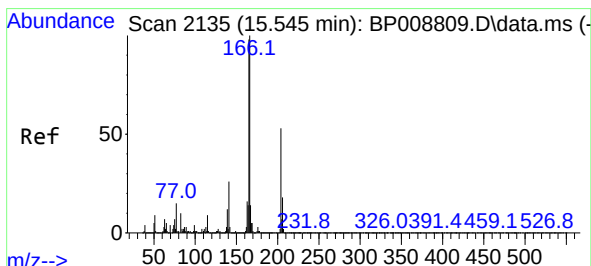
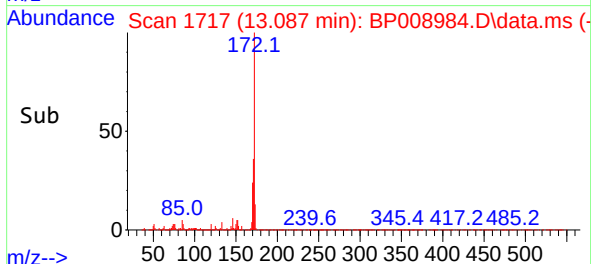
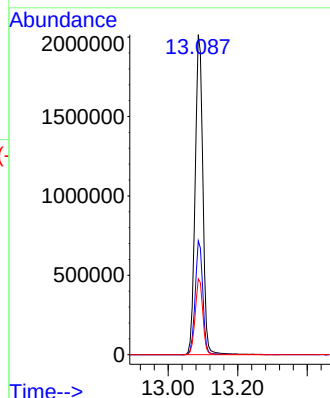
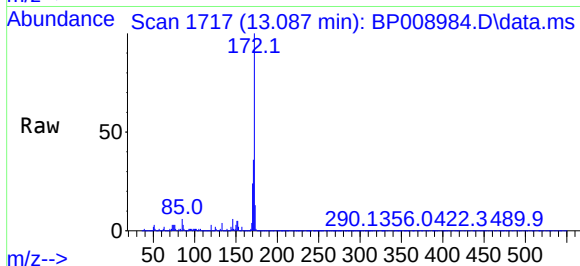
CC-8RE

Tgt Ion:172 Resp: 311456
Ion Ratio Lower Upper
172 100
171 35.6 29.3 43.9
170 23.7 19.5 29.3

Manual Integrations

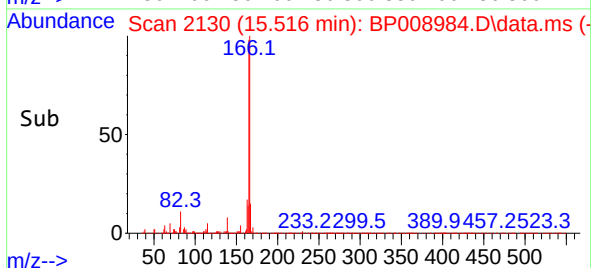
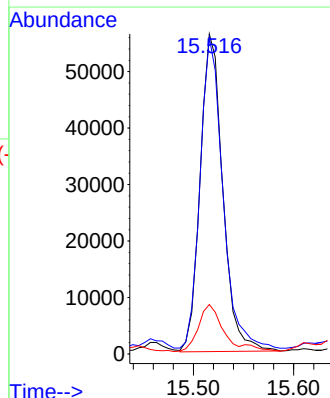
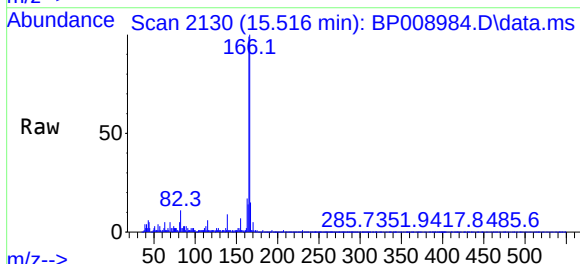
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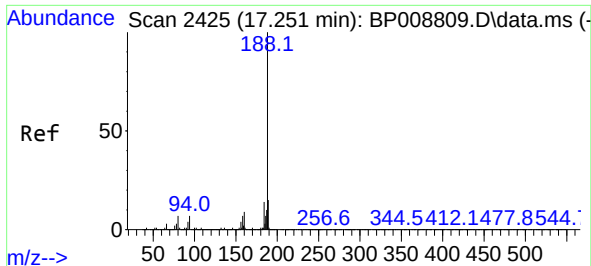
Reviewed By :Christian Giraldo 02/02/2022
Supervised By :Jagrut Upadhyay 02/02/2022



#58
Fluorene
Concen: 2.141 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

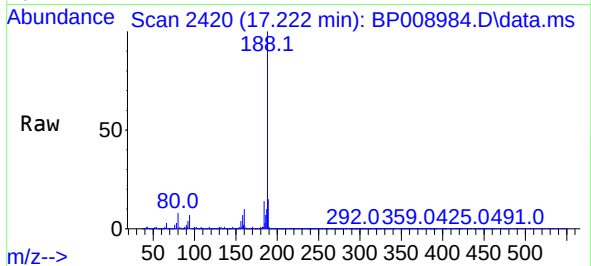
Tgt Ion:166 Resp: 88376
Ion Ratio Lower Upper
166 100
165 98.9 77.2 115.8
167 15.4 11.2 16.8





#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

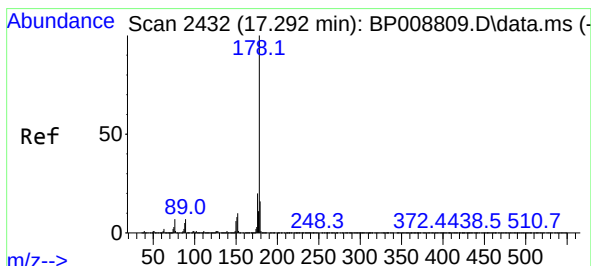
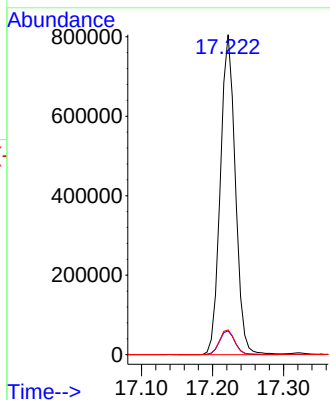
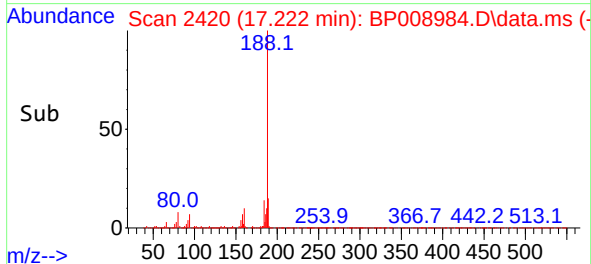
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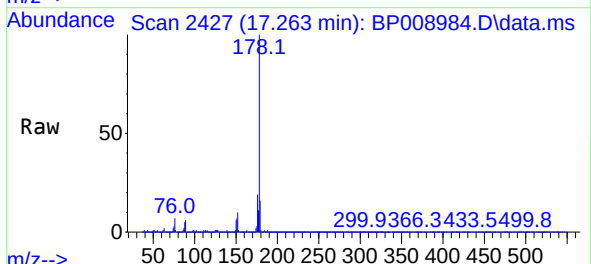
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Ion Ratio Lower Upper
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80 7.7 7.2 10.8

Manual Integrations
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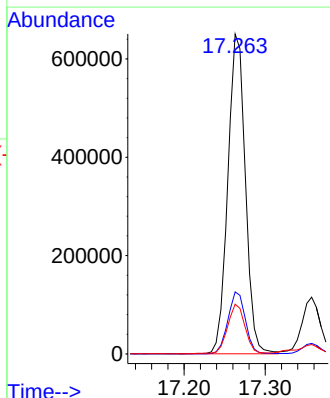
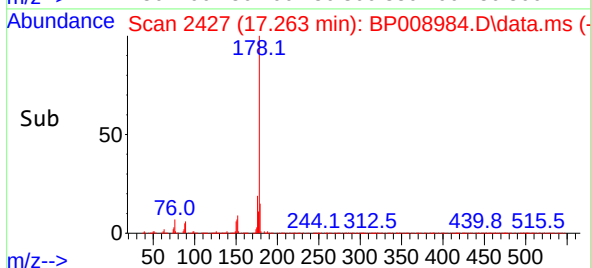
Reviewed By :Christian Giraldo 02/02/2022
Supervised By :Jagrut Upadhyay 02/02/2022

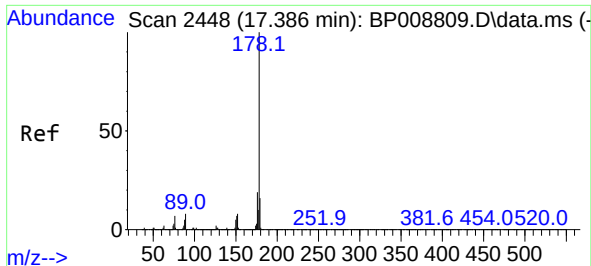


#71
Phenanthrene
Concen: 14.727 ng
RT: 17.263 min Scan# 2427
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44



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





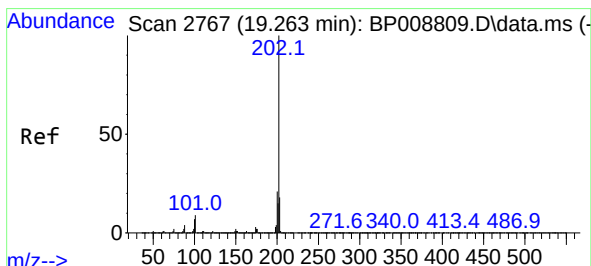
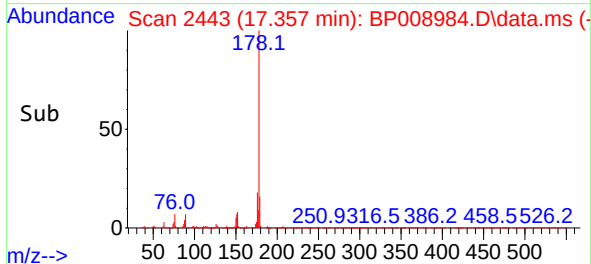
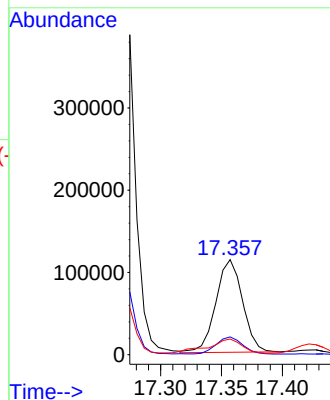
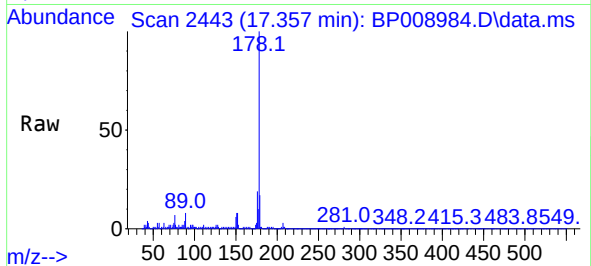
#72
 Anthracene
 Concen: 2.597 ng
 RT: 17.357 min Scan# 2448
 Delta R.T. -0.012 min
 Lab File: BP008984.D
 Acq: 01 Feb 2022 13:44

Instrument :
 BNA_P
 ClientSampleId :
 CC-8RE

Tgt Ion:178 Resp: 17262
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.1 22.7
 179 16.6 12.8 19.2

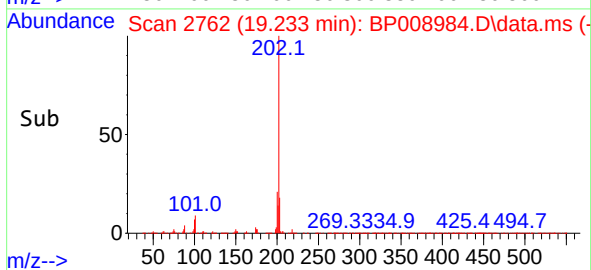
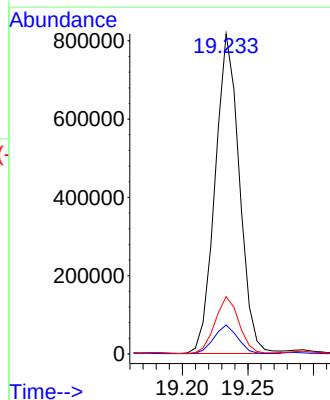
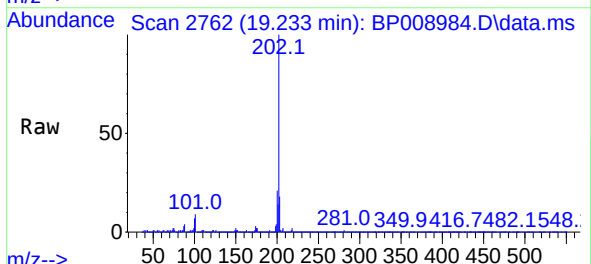
Manual Integrations
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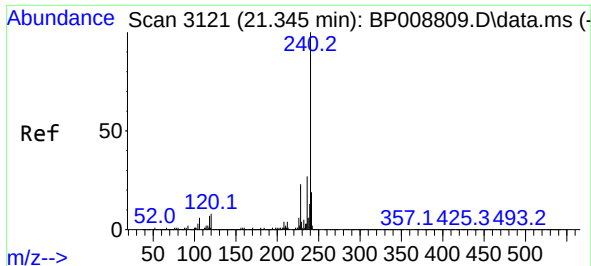
Reviewed By :Christian Giraldo 02/02/2022
 Supervised By :Jagrut Upadhyay 02/02/2022



#75
 Fluoranthene
 Concen: 14.244 ng
 RT: 19.233 min Scan# 2762
 Delta R.T. -0.012 min
 Lab File: BP008984.D
 Acq: 01 Feb 2022 13:44

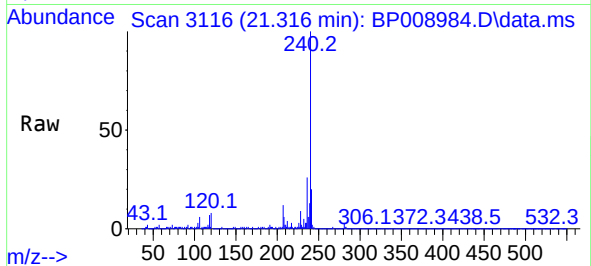
Tgt Ion:202 Resp: 1049348
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 30.7
 203 17.9 0.0 38.9





#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

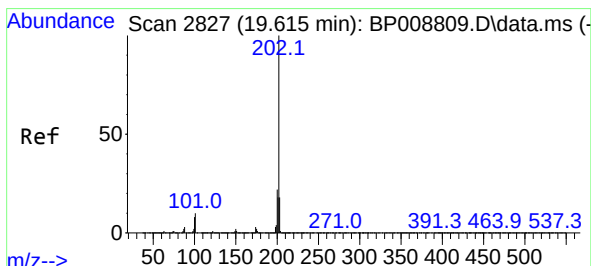
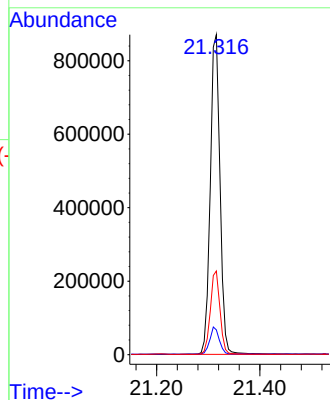
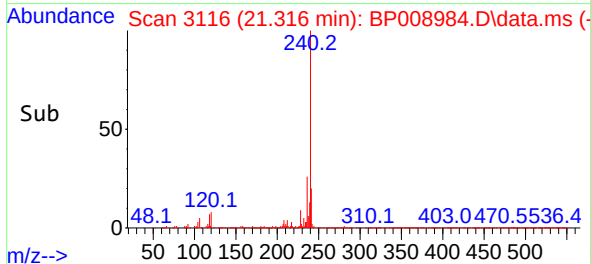
Instrument :
BNA_P
ClientSampleId :
CC-8RE



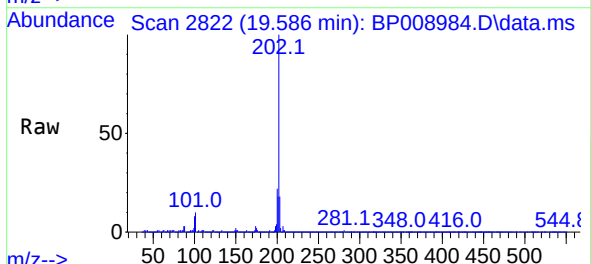
Tgt Ion:240 Resp: 1137364
Ion Ratio Lower Upper
240 100
120 7.7 7.7 11.5
236 26.2 21.2 31.8

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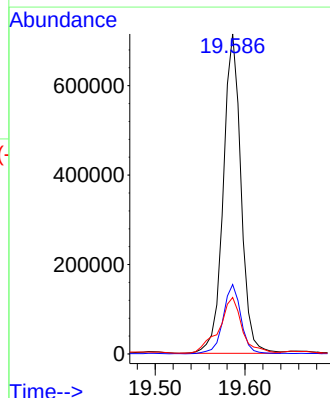
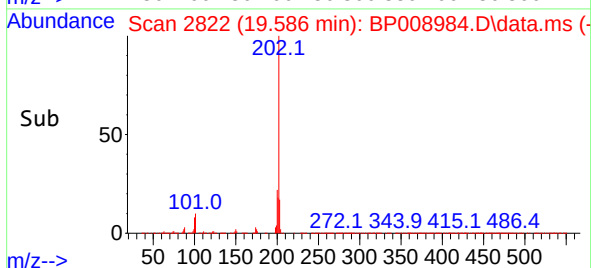
Reviewed By :Christian Giraldo 02/02/2022
Supervised By :Jagrut Upadhyay 02/02/2022

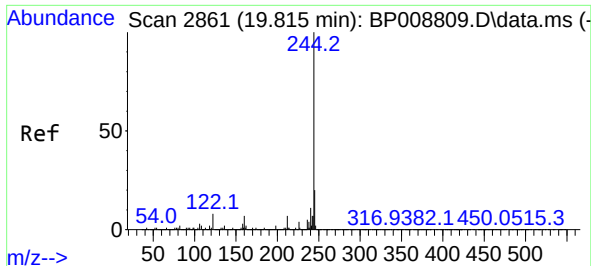


#78
Pyrene
Concen: 12.359 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44



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





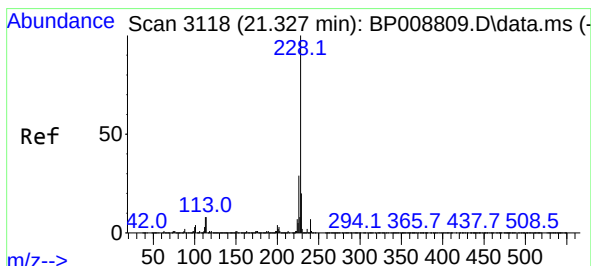
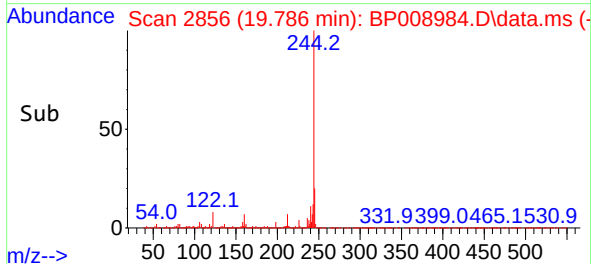
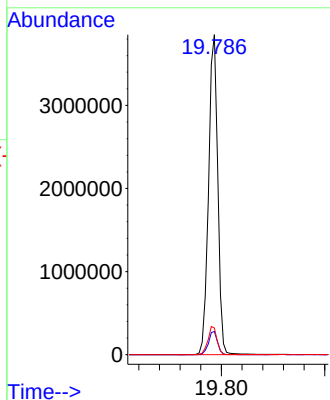
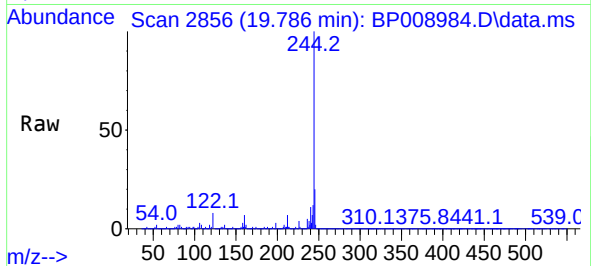
#79
Terphenyl-d14
Concen: 70.437 ng
RT: 19.786 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Instrument :
BNA_P
ClientSampleId :
CC-8RE

Tgt Ion:244 Resp: 474619
Ion Ratio Lower Upper
244 100
212 7.3 6.5 9.7
122 8.3 9.2 13.8

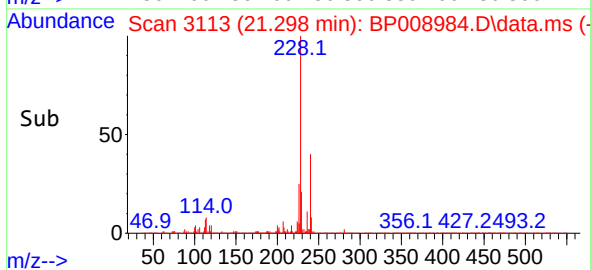
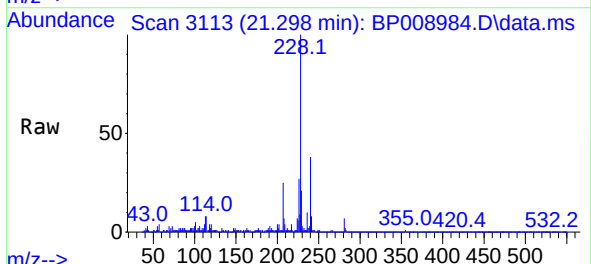
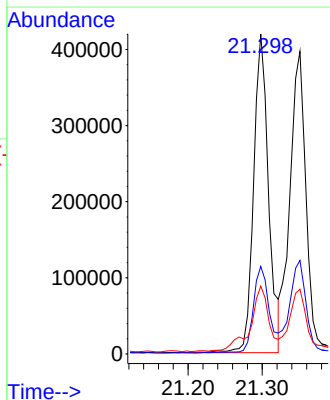
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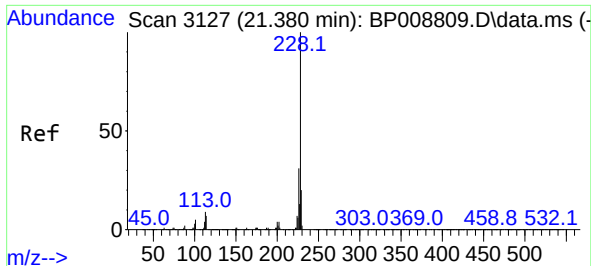
Reviewed By :Christian Giraldo 02/02/2022
Supervised By :Jagrut Upadhyay 02/02/2022



#81
Benzo(a)anthracene
Concen: 7.657 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

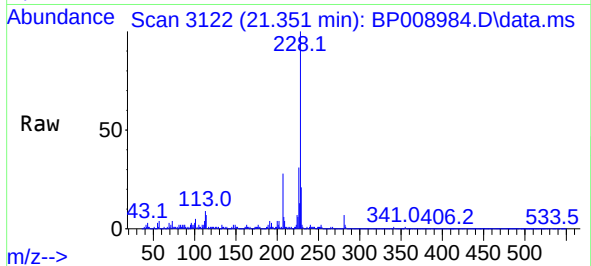
Tgt Ion:228 Resp: 585923
Ion Ratio Lower Upper
228 100
226 27.3 23.3 34.9
229 21.2 17.0 25.6





#83
Chrysene
Concen: 8.164 ng
RT: 21.351 min Scan# 3127
Delta R.T. -0.012 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

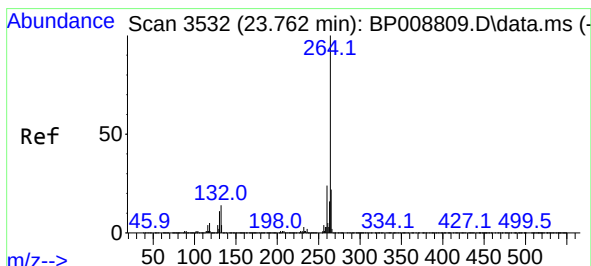
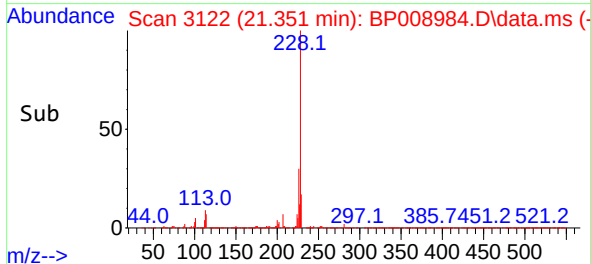
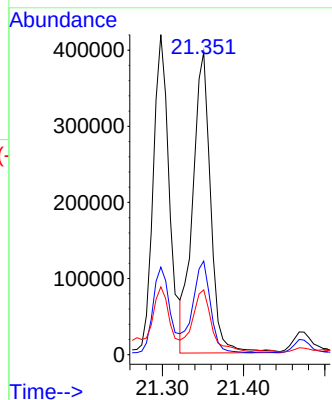
Instrument :
BNA_P
ClientSampleId :
CC-8RE



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

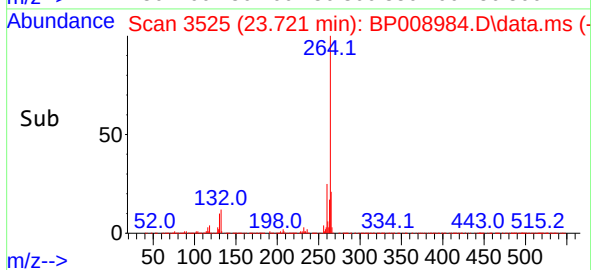
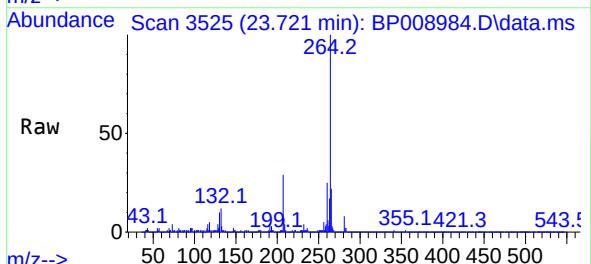
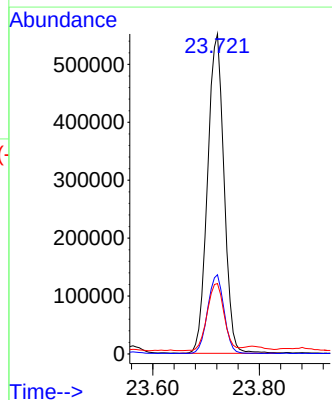
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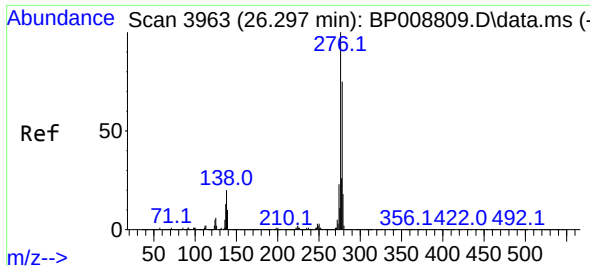
Reviewed By :Christian Giraldo 02/02/2022
Supervised By :Jagrut Upadhyay 02/02/2022



#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

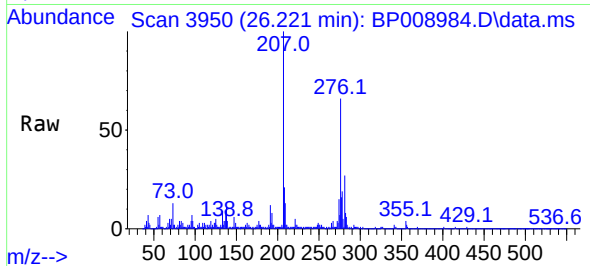
Tgt Ion:264 Resp: 1181282
Ion Ratio Lower Upper
264 100
260 24.7 19.1 28.7
265 22.0 17.1 25.7





#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

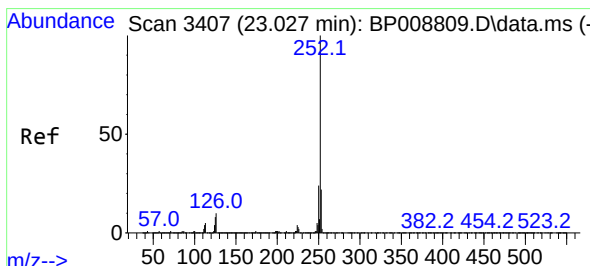
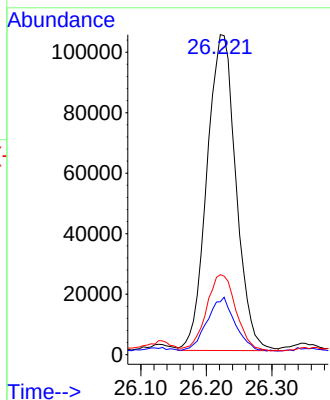
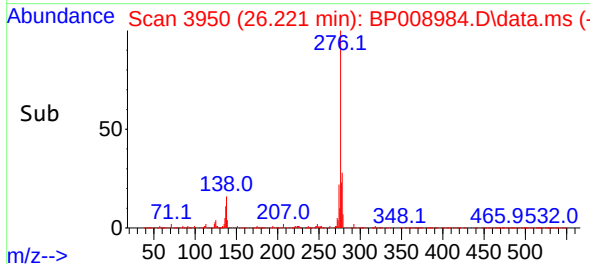
Instrument :
BNA_P
ClientSampleId :
CC-8RE



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

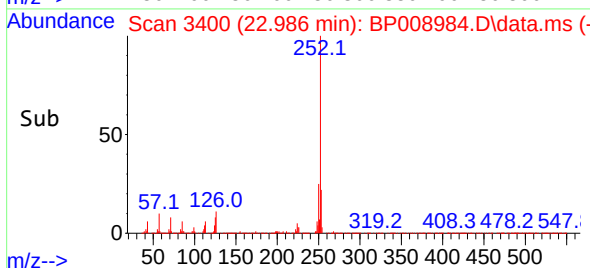
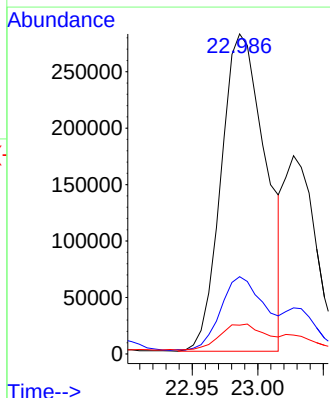
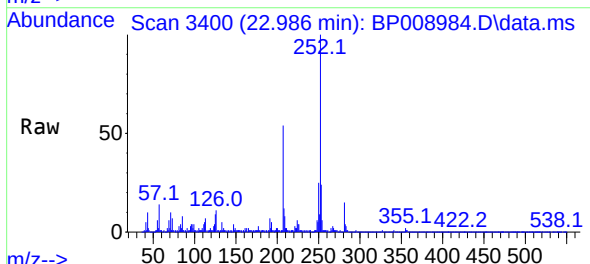
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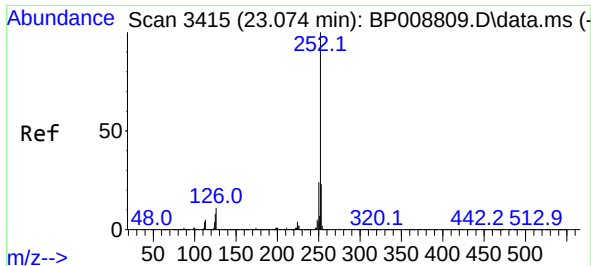
Reviewed By : Christian Giraldo 02/02/2022
Supervised By : Jagrut Upadhyay 02/02/2022



#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





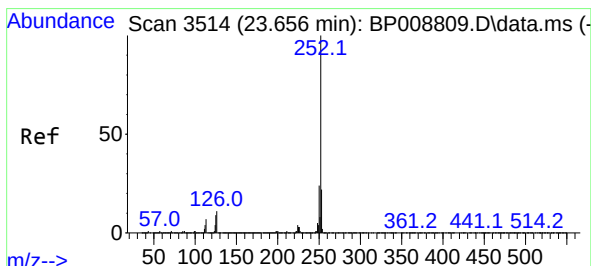
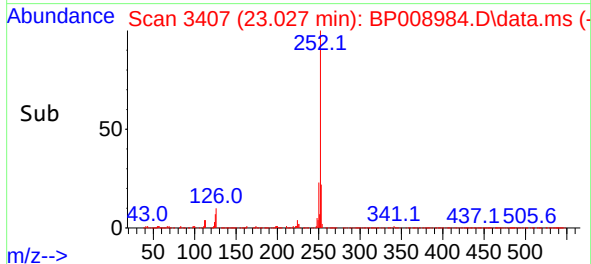
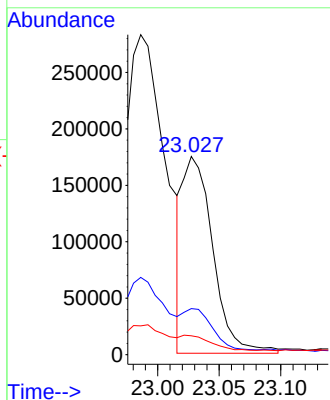
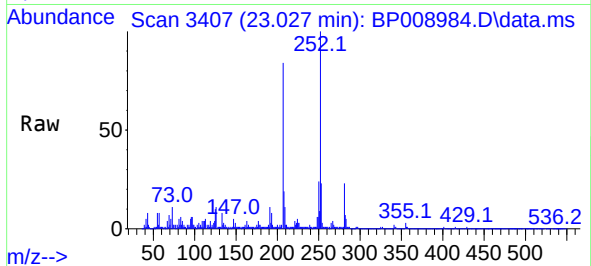
#89
Benzo(k)fluoranthene
Concen: 3.917 ng m
RT: 23.027 min Scan# 3415
Delta R.T. -0.023 min
Lab File: BP008984.D
Acq: 01 Feb 2022 13:44

Instrument :
BNA_P
ClientSampleId :
CC-8RE

Tgt Ion:252 Resp: 299118
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 9.6 7.3 10.9

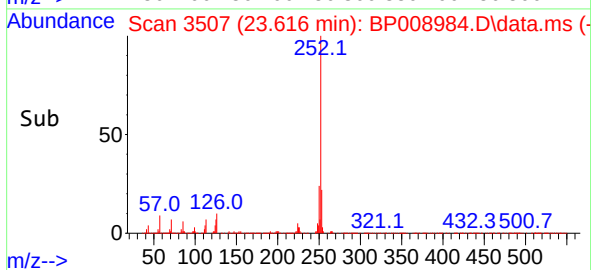
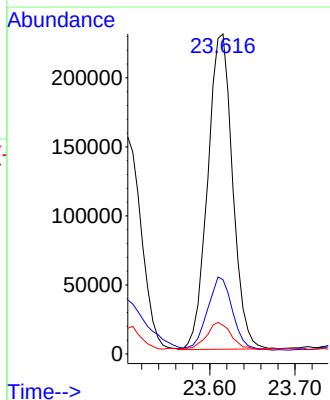
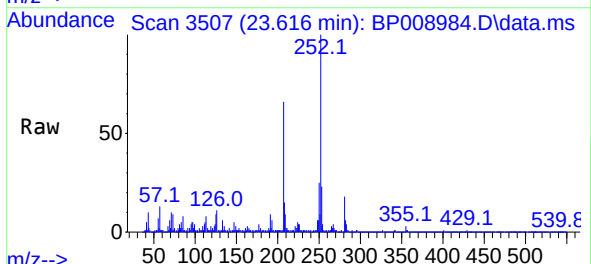
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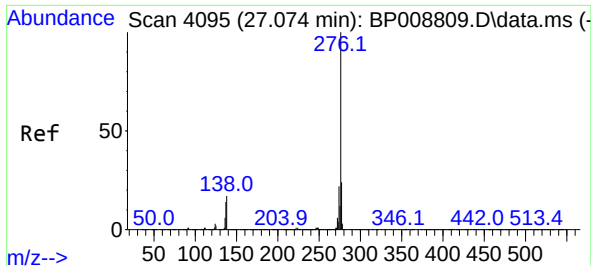
Reviewed By :Christian Giraldo 02/02/2022
Supervised By :Jagrut Upadhyay 02/02/2022



#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

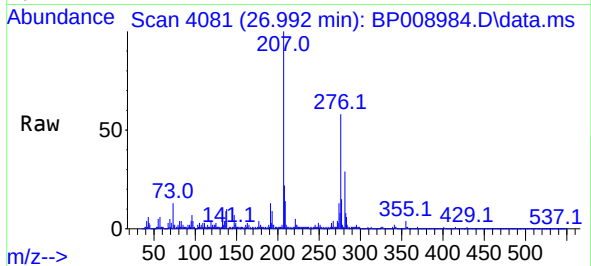
Tgt Ion:252 Resp: 464184
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 9.0 7.8 11.6





#92
 Benzo(g,h,i)perylene
 Concen: 3.832 ng
 RT: 26.992 min Scan# 4095
 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: 30968
 Ion Ratio Lower Upper
 276 100
 277 25.0 19.2 28.8
 138 17.3 15.0 22.4

Manual Integrations
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 Supervised By : Jagrut Upadhyay 02/02/2022

