

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013122\
 Data File : BP008973.D
 Acq On : 31 Jan 2022 19:43
 Operator : CG/JU
 Sample : N1303-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CC-6

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/01/2022
 Supervised By : Jagrut Upadhyay 02/01/2022

Quant Time: Feb 01 04:21:57 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	212950	20.000	ng	0.00
21) Naphthalene-d8	10.628	136	759669	20.000	ng	0.00
39) Acenaphthene-d10	14.469	164	441955	20.000	ng	0.00
64) Phenanthrene-d10	17.222	188	894496	20.000	ng	-0.01
76) Chrysene-d12	21.316	240	1096004	20.000	ng	-0.01
86) Perylene-d12	23.727	264	1256115	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	9997	0.726	ng	0.00
7) Phenol-d6	7.010	99	309619	18.568	ng	0.00
23) Nitrobenzene-d5	8.987	82	1058106	79.077	ng	-0.01
42) 2,4,6-Tribromophenol	15.975	330	476	0.074	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	2499058	74.569	ng	0.00
79) Terphenyl-d14	19.786	244	3812043	58.709	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.681	128	1672387	40.532	ng	99
37) 2-Methylnaphthalene	12.292	142	206609	6.850	ng	98
38) 1-Methylnaphthalene	12.510	142	114249	4.127	ng	99
52) Acenaphthene	14.534	154	57747	2.324	ng	98
58) Fluorene	15.522	166	86931	2.719	ng	100
71) Phenanthrene	17.269	178	1011419	20.083	ng	98
72) Anthracene	17.357	178	176433	3.492	ng	99
75) Fluoranthene	19.239	202	1224751	21.868	ng	96
78) Pyrene	19.592	202	1204500	15.750	ng	98
81) Benzo(a)anthracene	21.304	228	670871	9.098	ng	99
83) Chrysene	21.357	228	684568m	9.577	ng	
87) Indeno(1,2,3-cd)pyrene	26.233	276	471406	4.554	ng	95
88) Benzo(b)fluoranthene	22.992	252	945546m	11.272	ng	
89) Benzo(k)fluoranthene	23.033	252	252909m	3.115	ng	
90) Benzo(a)pyrene	23.621	252	617622	7.628	ng	98
92) Benzo(g,h,i)perylene	27.003	276	473273	5.507	ng	99

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

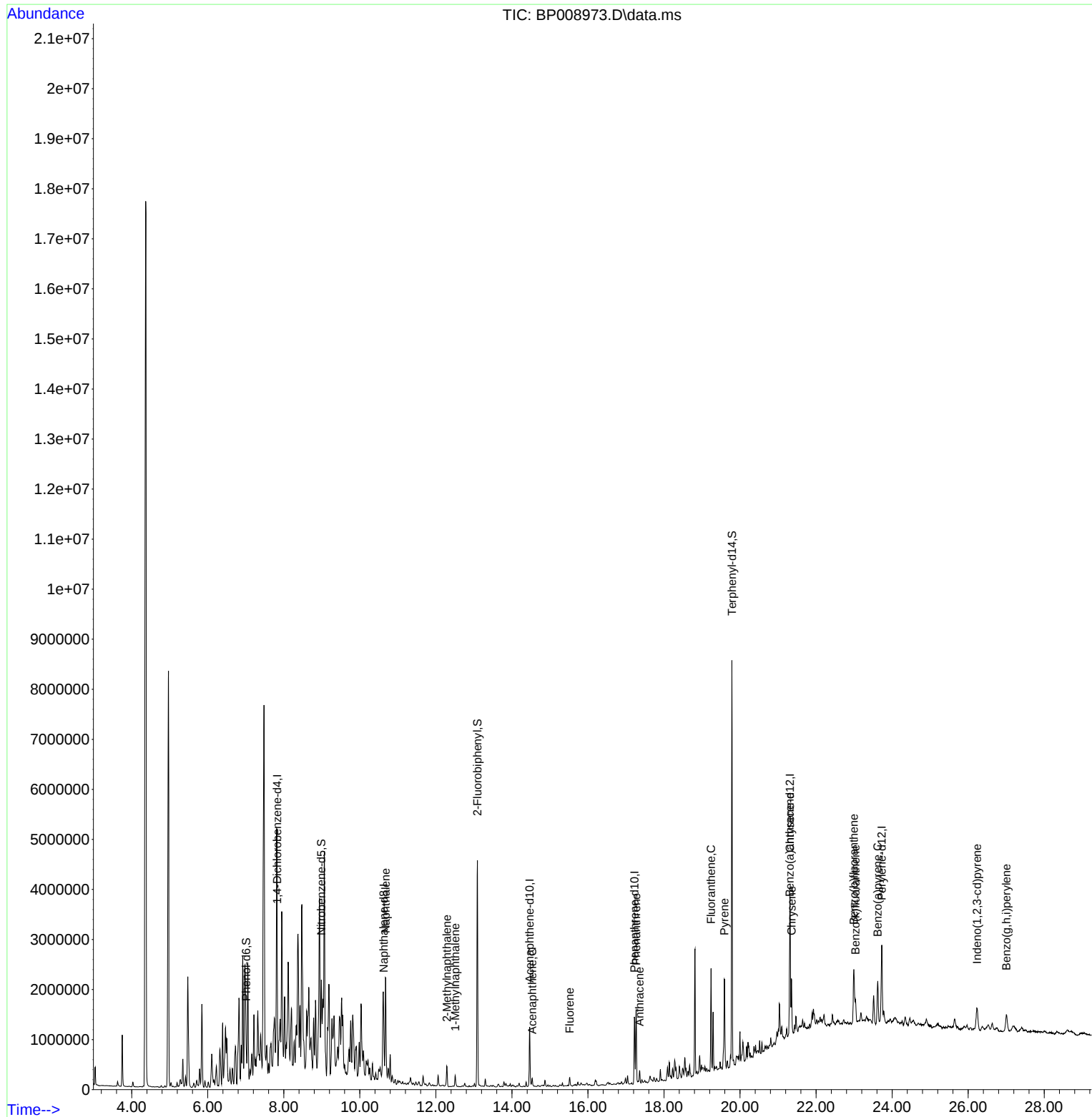
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013122\
Data File : BP008973.D
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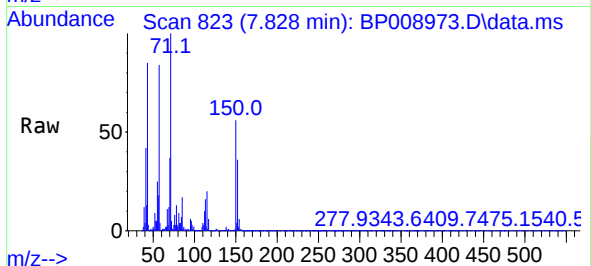
Reviewed By : Christian Giraldo 02/01/2022
Supervised By : Jagrut Upadhyay 02/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

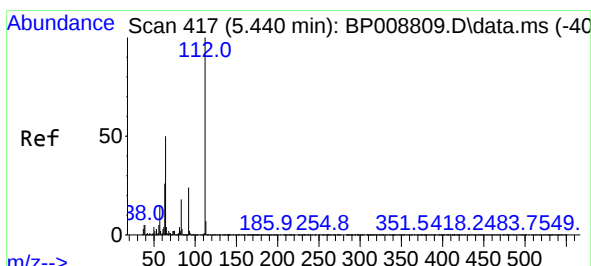
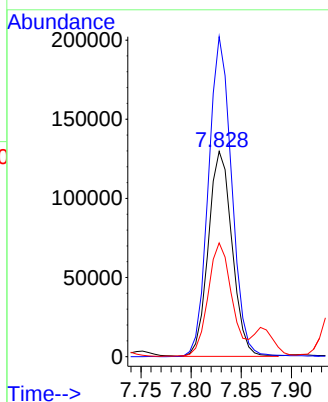
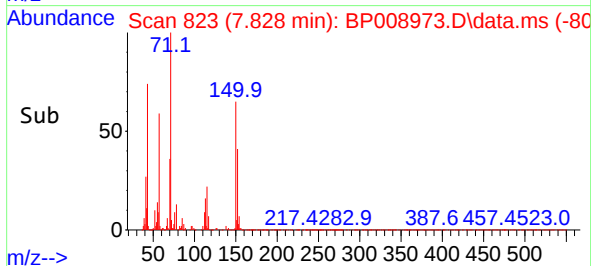
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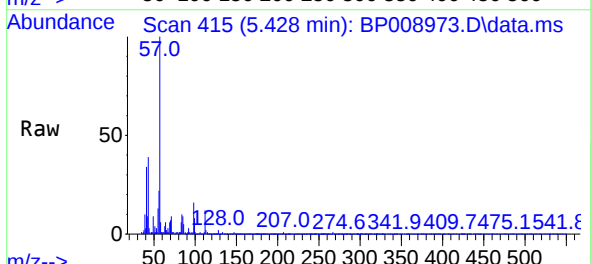
Tgt Ion:152 Resp: 212950
Ion Ratio Lower Upper
152 100
150 155.9 127.0 190.6
115 55.4 43.7 65.5

Manual Integrations
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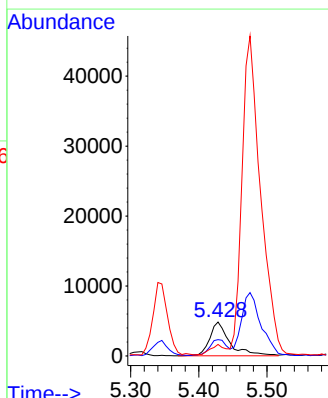
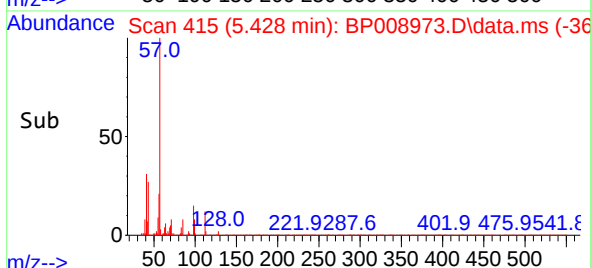
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022

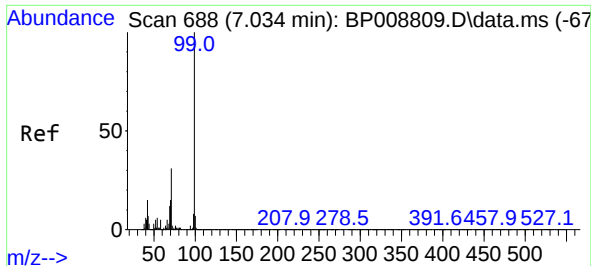


#5
2-Fluorophenol
Concen: 0.726 ng
RT: 5.428 min Scan# 415
Delta R.T. 0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43



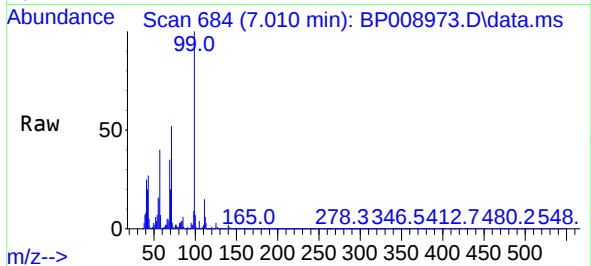
Tgt Ion:112 Resp: 9997
Ion Ratio Lower Upper
112 100
64 48.5 39.7 59.5
63 34.0 20.0 30.0#





#7
Phenol-d6
Concen: 18.568 ng
RT: 7.010 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

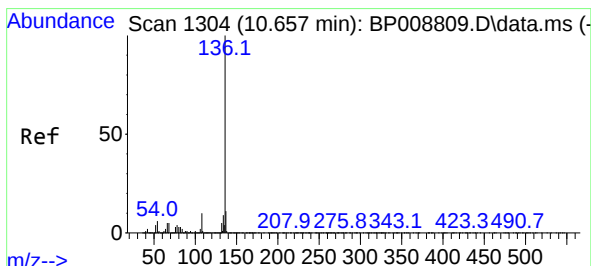
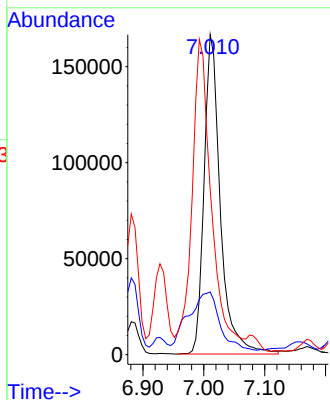
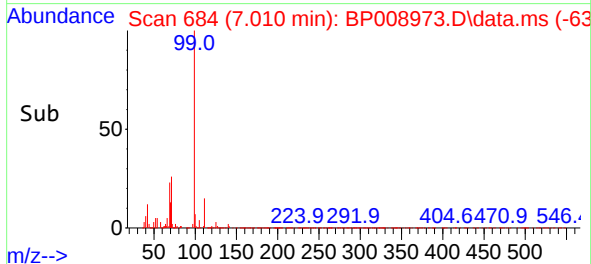
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 99 Resp: 309619
Ion Ratio Lower Upper
99 100
42 19.6 10.8 16.2
71 51.6 23.8 35.6

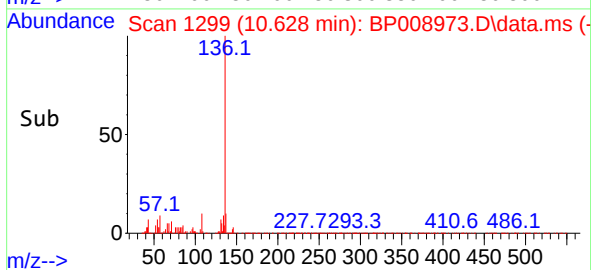
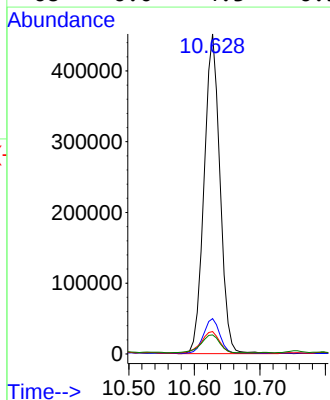
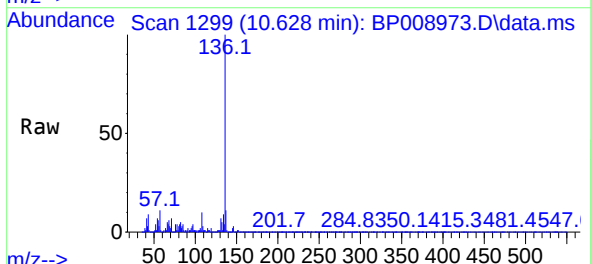
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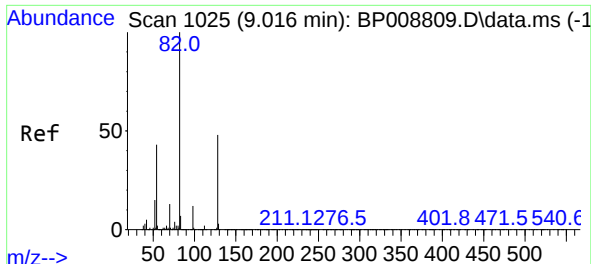
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.628 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

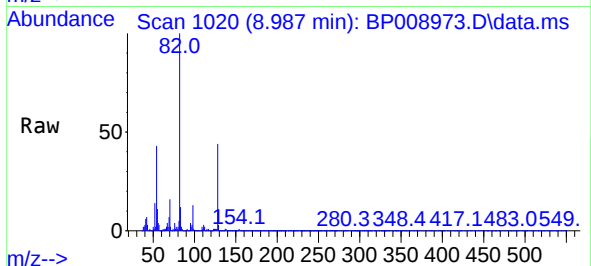
Tgt Ion:136 Resp: 759669
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 7.0 4.9 7.3
68 6.0 4.3 6.5





#23
Nitrobenzene-d5
Concen: 79.077 ng
RT: 8.987 min Scan# 10
Delta R.T. -0.012 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

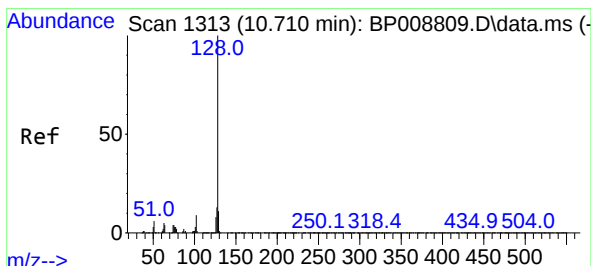
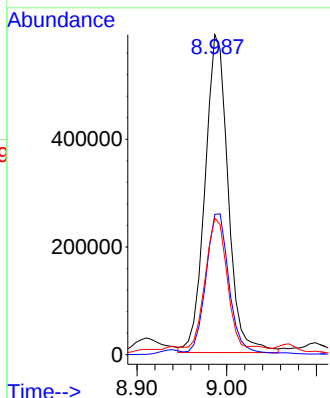
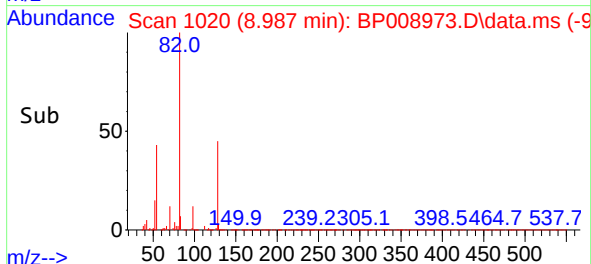
Instrument :
BNA_P
ClientSampleId :
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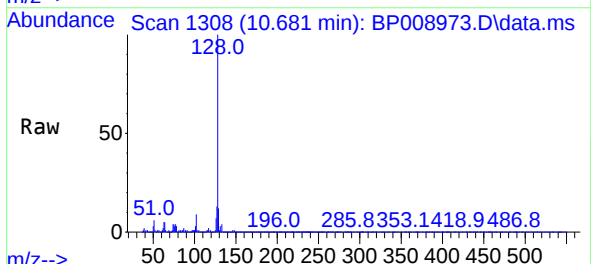
Tgt Ion: 82 Resp: 105810
Ion Ratio Lower Upper
82 100
128 43.9 39.4 59.2
54 42.7 32.6 48.8

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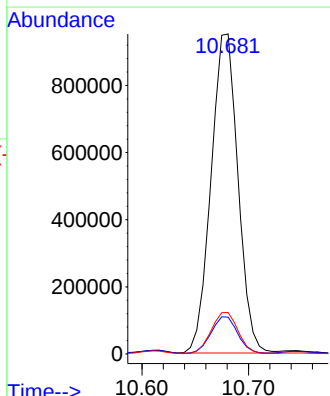
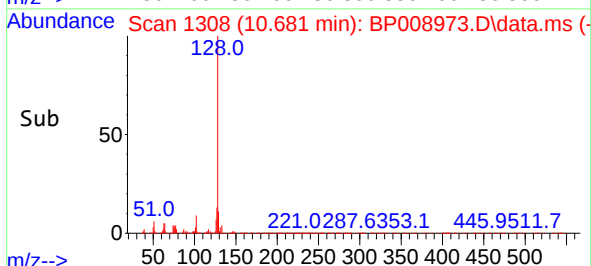
Reviewed By :Christian Giraldo 02/01/2022
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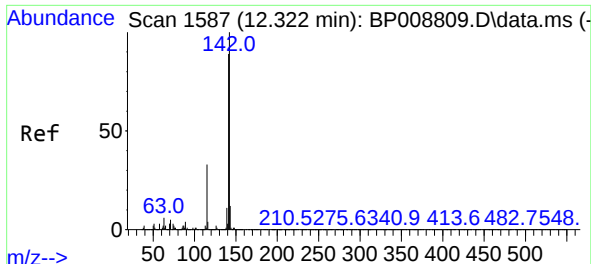


#31
Naphthalene
Concen: 40.532 ng
RT: 10.681 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43



Tgt Ion:128 Resp: 1672387
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 12.9 10.4 15.6





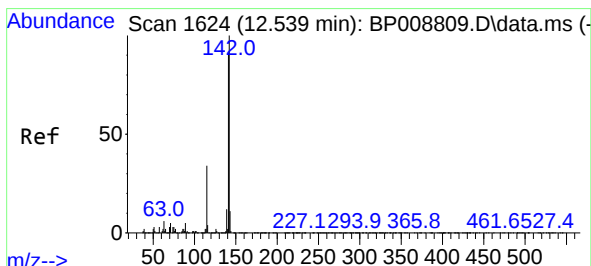
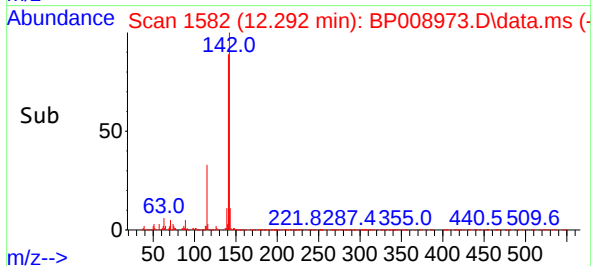
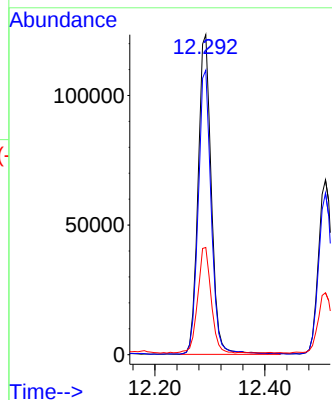
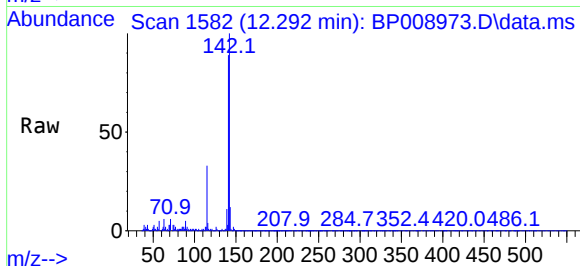
#37
2-Methylnaphthalene
Concen: 6.850 ng
RT: 12.292 min Scan# 1619
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Instrument :
BNA_P
ClientSampleId :
CC-6

Tgt Ion:142 Resp: 206609
Ion Ratio Lower Upper
142 100
141 88.9 70.5 105.7
115 33.5 24.6 36.8

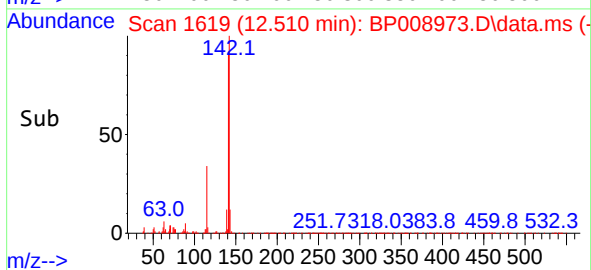
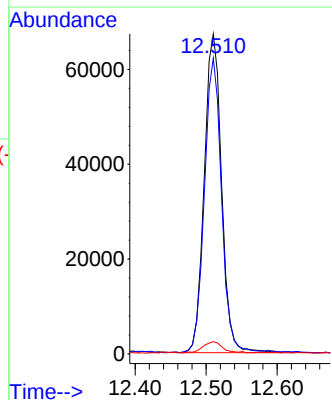
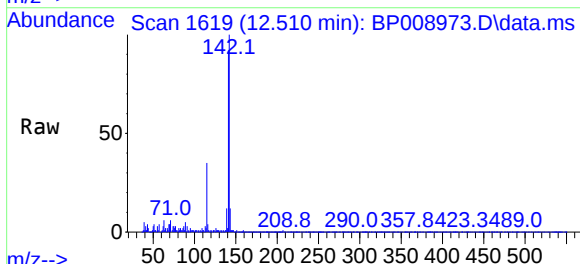
Manual Integrations
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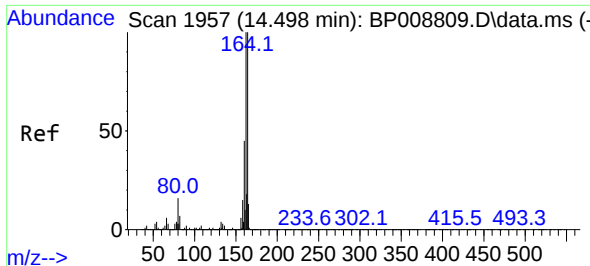
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#38
1-Methylnaphthalene
Concen: 4.127 ng
RT: 12.510 min Scan# 1619
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion:142 Resp: 114249
Ion Ratio Lower Upper
142 100
141 92.5 73.2 109.8
116 3.9 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: BP008973.D
Acq: 31 Jan 2022 19:43

Instrument :

BNA_P

ClientSampleId :

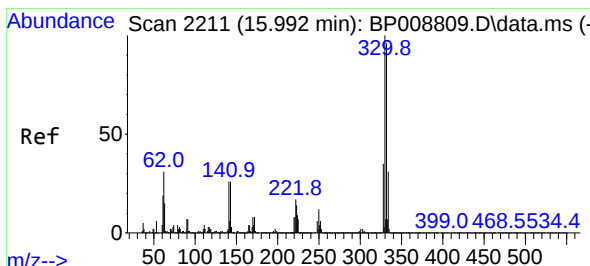
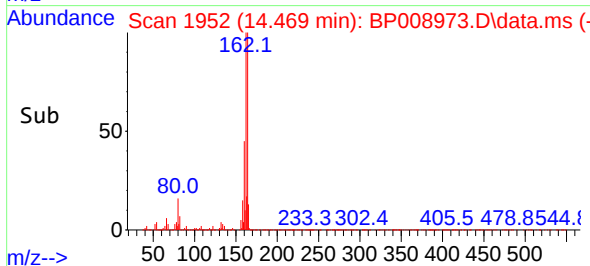
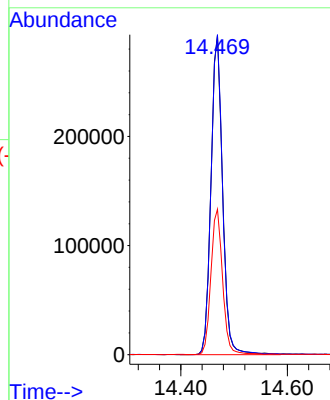
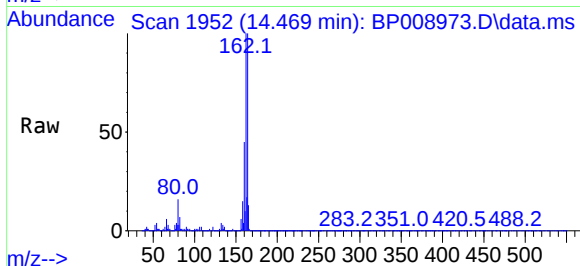
CC-6

Tgt Ion:164 Resp: 44195
Ion Ratio Lower Upper
164 100
162 100.2 79.9 119.9
160 45.5 35.5 53.3

Manual Integrations

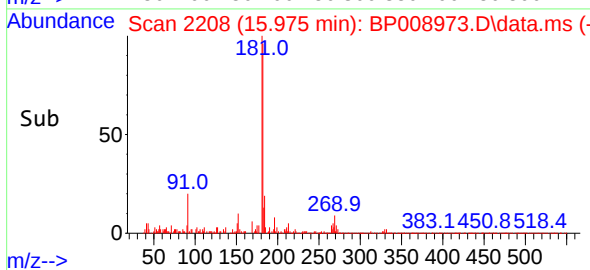
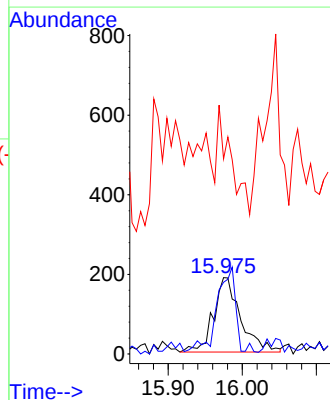
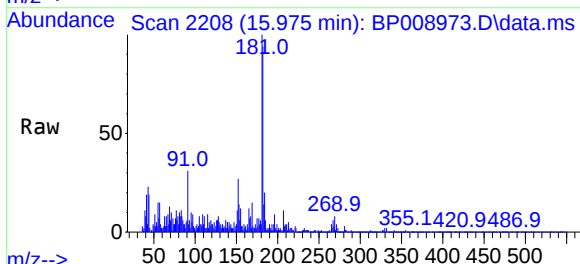
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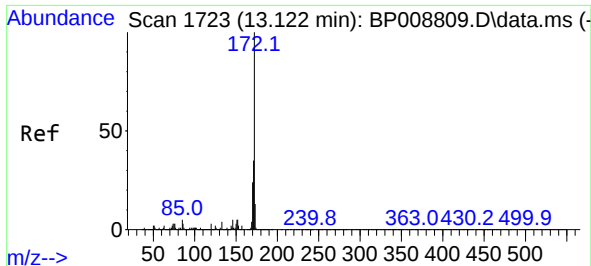
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#42
2,4,6-Tribromophenol
Concen: 0.074 ng
RT: 15.975 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

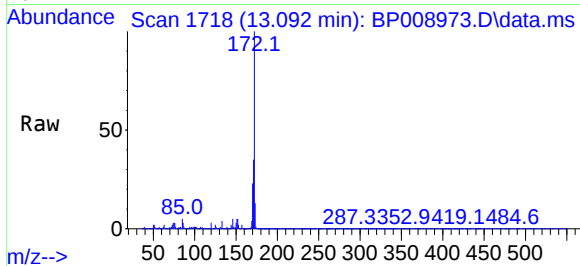
Tgt Ion:330 Resp: 476
Ion Ratio Lower Upper
330 100
332 71.8 77.0 115.4#
141 71.0 21.3 31.9#





#45
2-Fluorobiphenyl
Concen: 74.569 ng
RT: 13.092 min Scan# 1718
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

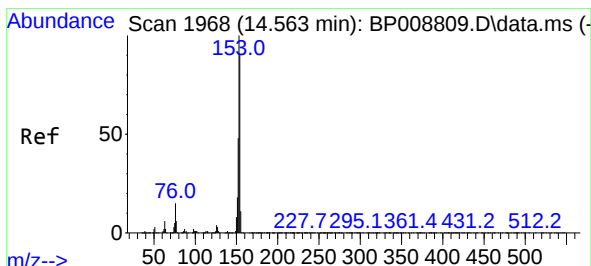
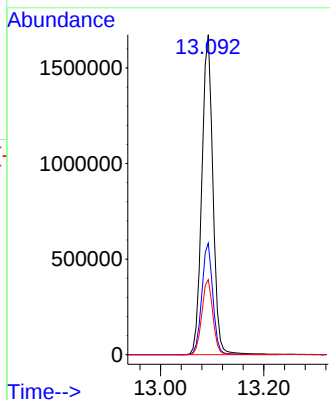
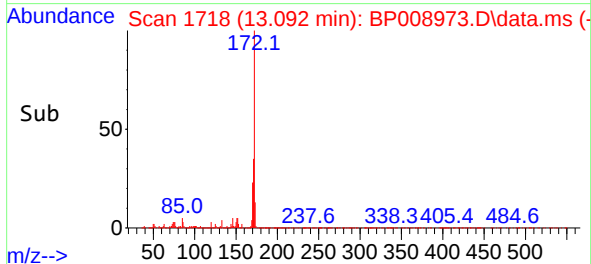
Instrument :
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Tgt Ion:172 Resp: 2499058
Ion Ratio Lower Upper
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171 34.9 29.3 43.9
170 23.5 19.5 29.3

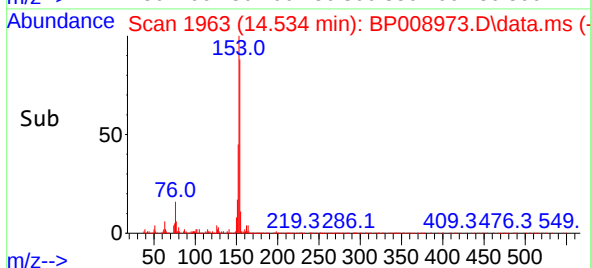
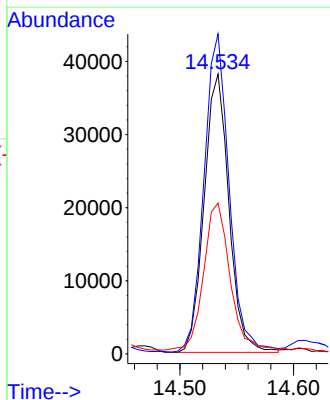
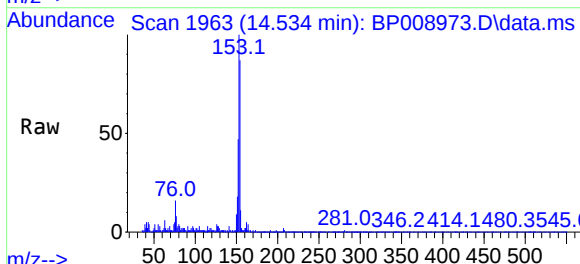
Manual Integrations
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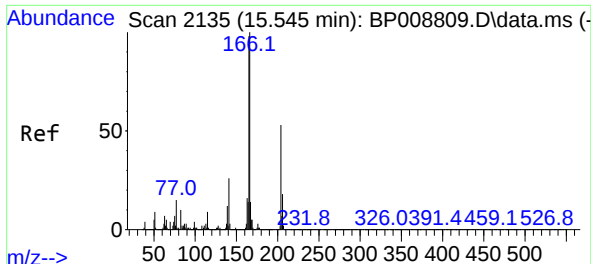
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#52
Acenaphthene
Concen: 2.324 ng
RT: 14.534 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion:154 Resp: 57747
Ion Ratio Lower Upper
154 100
153 114.3 89.4 134.2
152 53.9 42.6 63.8





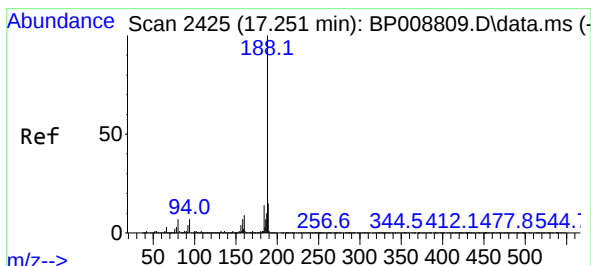
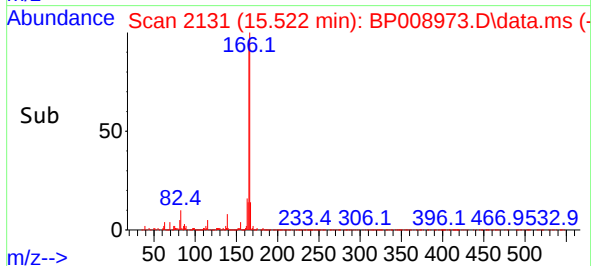
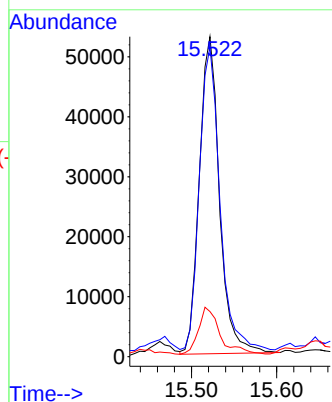
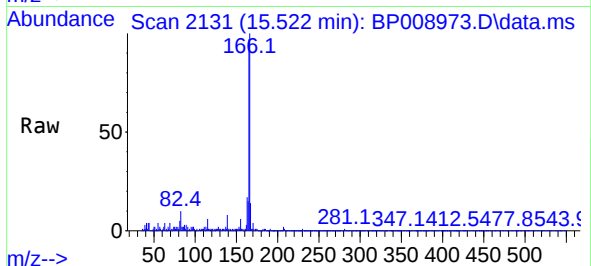
#58
Fluorene
Concen: 2.719 ng
RT: 15.522 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Instrument :
BNA_P
Client Sample Id :
CC-6

Tgt Ion:166 Resp: 8693
Ion Ratio Lower Upper
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165 96.9 77.2 115.8
167 14.1 11.2 16.8

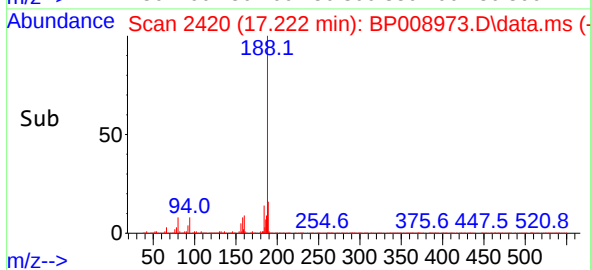
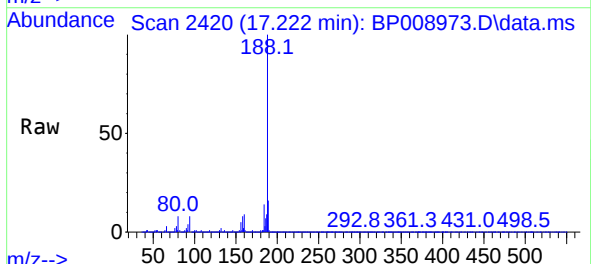
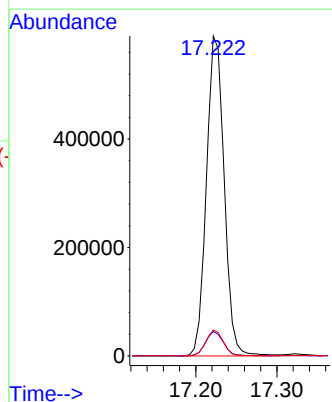
Manual Integrations
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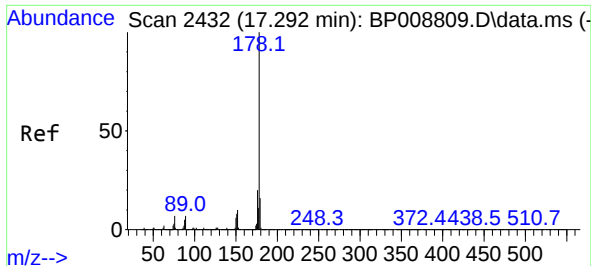
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2420
Delta R.T. -0.012 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion:188 Resp: 894496
Ion Ratio Lower Upper
188 100
94 7.7 6.8 10.2
80 8.1 7.2 10.8





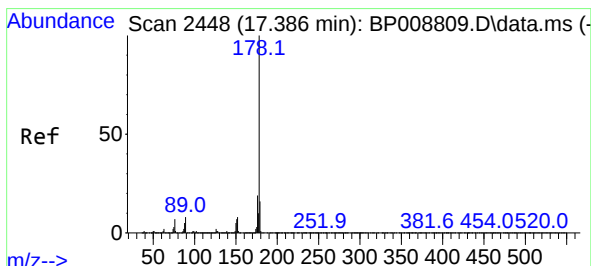
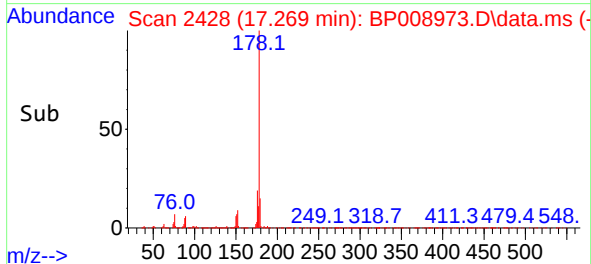
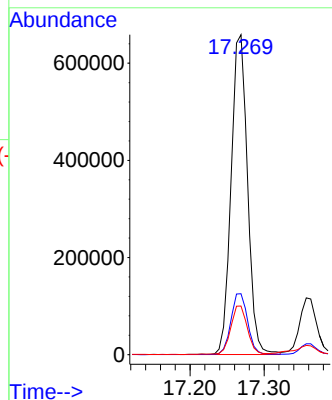
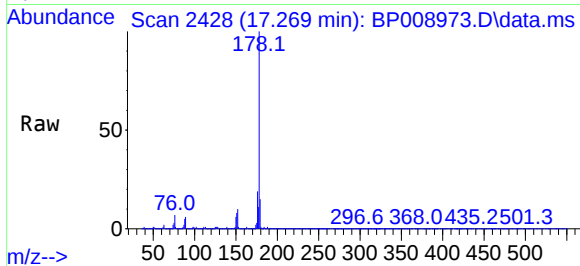
#71
Phenanthrene
Concen: 20.083 ng
RT: 17.269 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Instrument :
BNA_P
Client Sample Id :
CC-6

Tgt Ion:178 Resp: 1011419
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.2 13.0 19.4

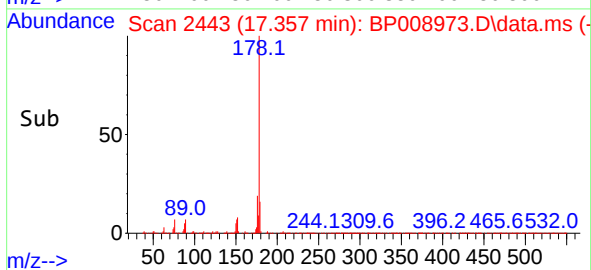
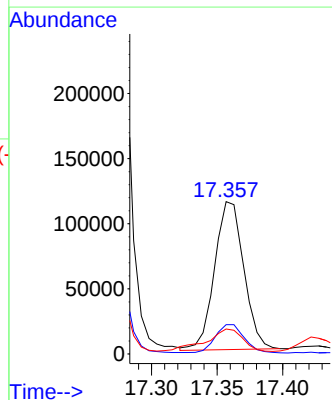
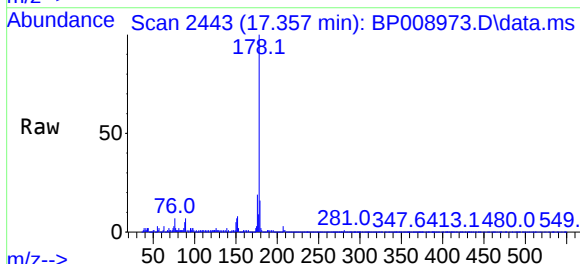
Manual Integrations
APPROVED

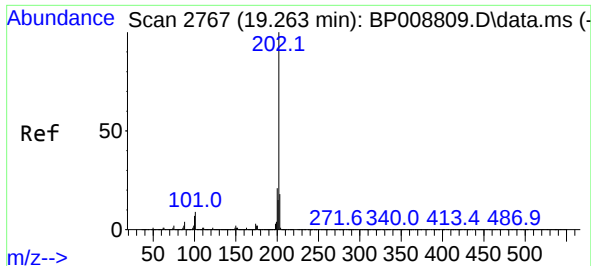
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#72
Anthracene
Concen: 3.492 ng
RT: 17.357 min Scan# 2443
Delta R.T. -0.012 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

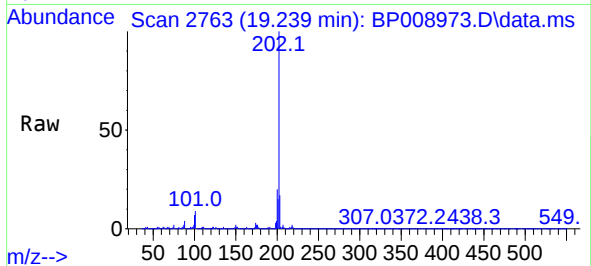
Tgt Ion:178 Resp: 176433
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 16.4 12.8 19.2





#75
Fluoranthene
Concen: 21.868 ng
RT: 19.239 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

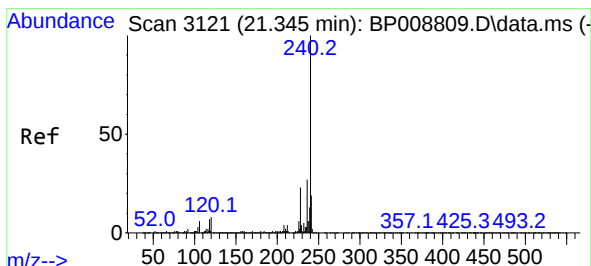
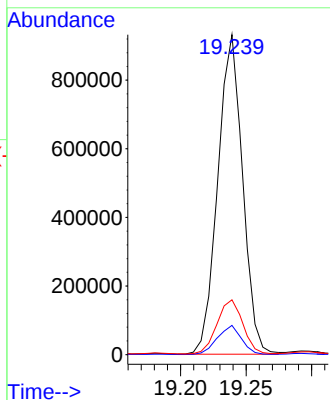
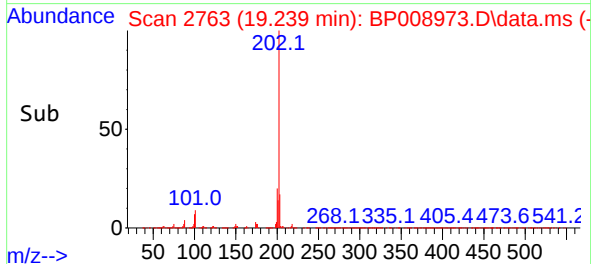
Instrument :
BNA_P
ClientSampleId :
CC-6



Tgt Ion:202 Resp: 122475
Ion Ratio Lower Upper
202 100
101 9.1 0.0 30.7
203 17.2 0.0 38.9

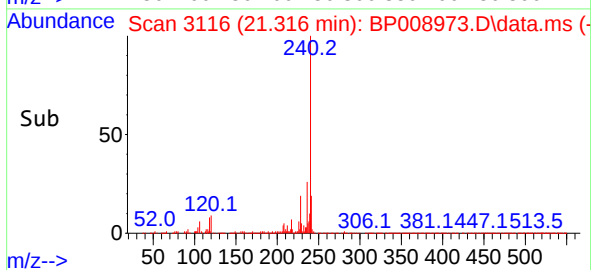
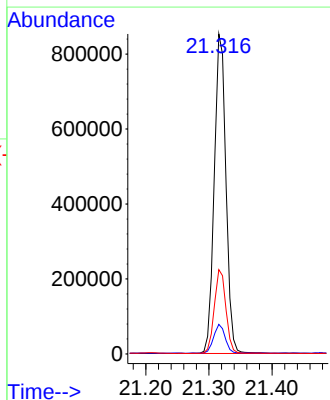
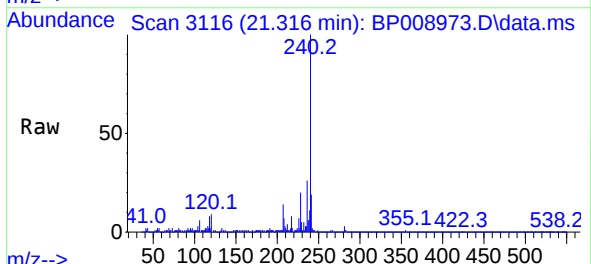
Manual Integrations
APPROVED

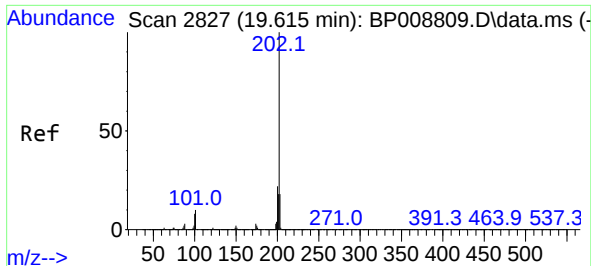
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.316 min Scan# 3116
Delta R.T. -0.012 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

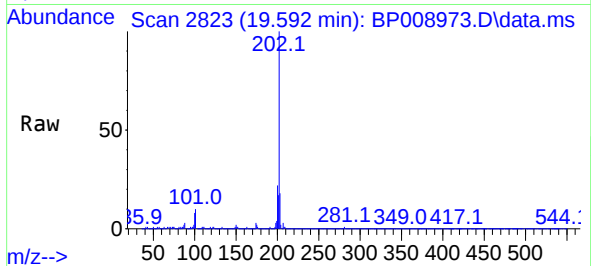
Tgt Ion:240 Resp: 1096004
Ion Ratio Lower Upper
240 100
120 9.3 7.7 11.5
236 26.4 21.2 31.8





#78
Pyrene
Concen: 15.750 ng
RT: 19.592 min Scan# 2823
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

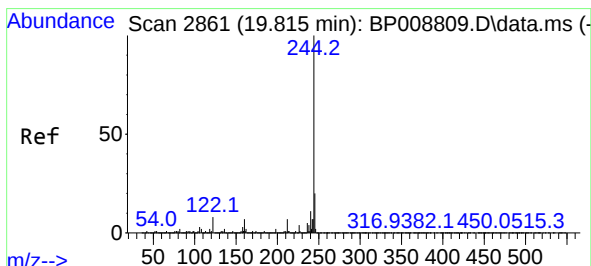
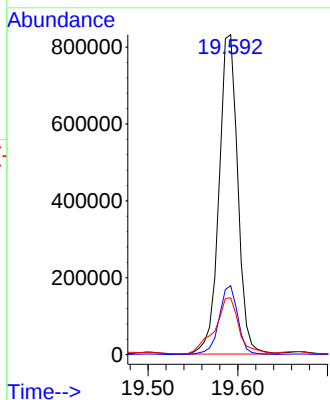
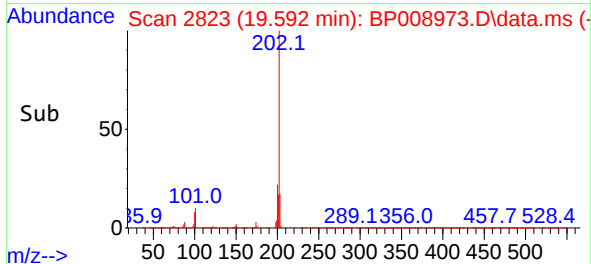
Instrument :
BNA_P
ClientSampleId :
CC-6



Tgt Ion:202 Resp: 1204500
Ion Ratio Lower Upper
202 100
200 21.5 18.0 27.0
203 17.7 15.0 22.6

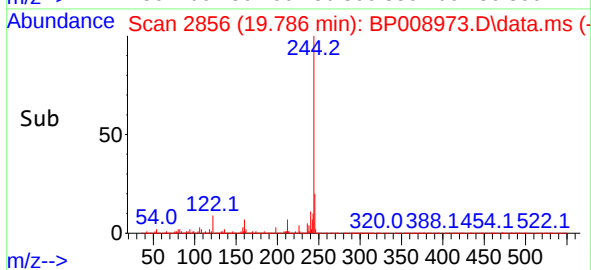
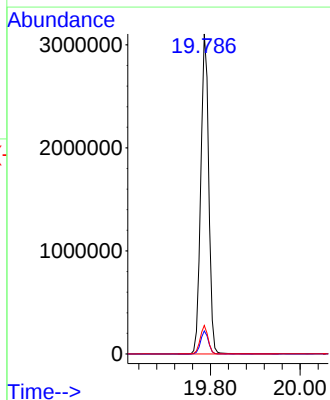
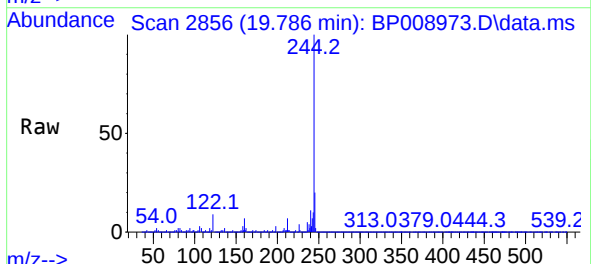
Manual Integrations
APPROVED

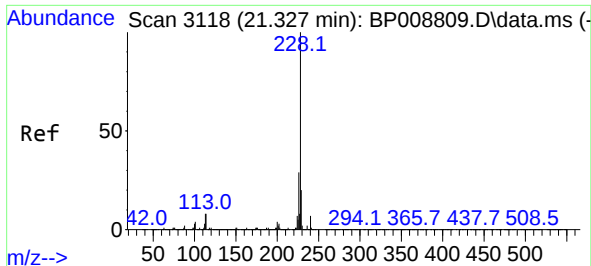
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#79
Terphenyl-d14
Concen: 58.709 ng
RT: 19.786 min Scan# 2856
Delta R.T. -0.012 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

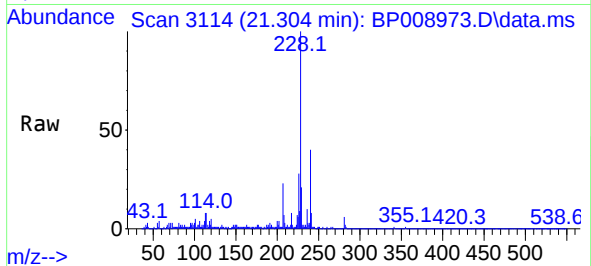
Tgt Ion:244 Resp: 3812043
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 8.9 9.2 13.8





#81
Benzo(a)anthracene
Concen: 9.098 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

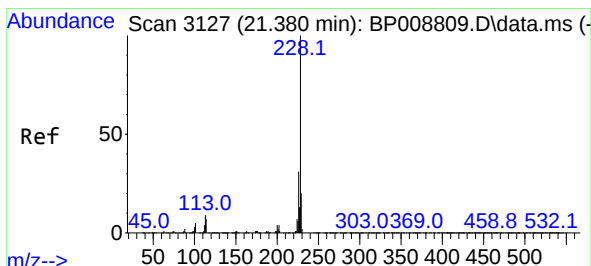
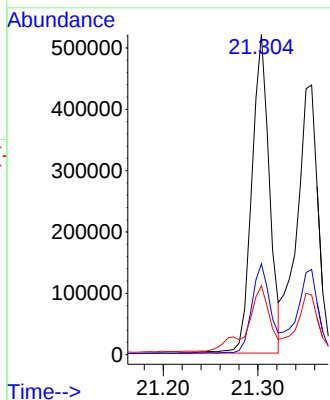
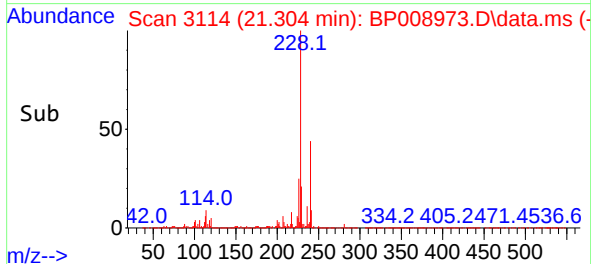
Instrument :
BNA_P
ClientSampleId :
CC-6



Tgt Ion:228 Resp: 67087
Ion Ratio Lower Upper
228 100
226 28.4 23.3 34.9
229 21.5 17.0 25.6

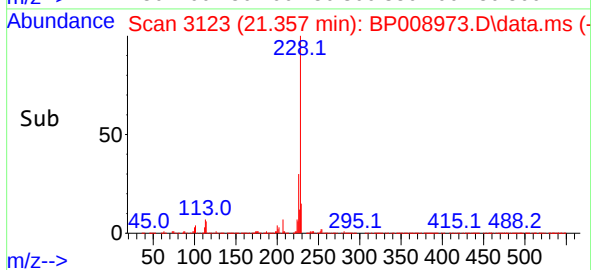
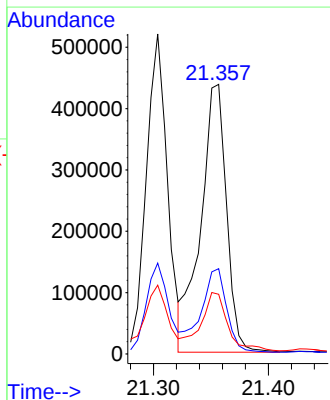
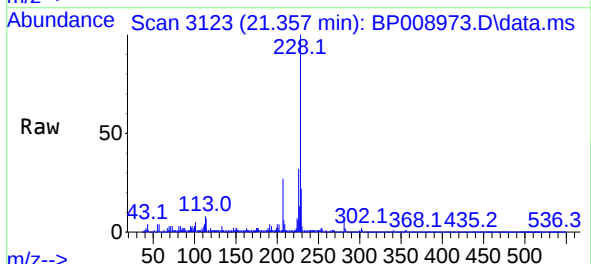
Manual Integrations
APPROVED

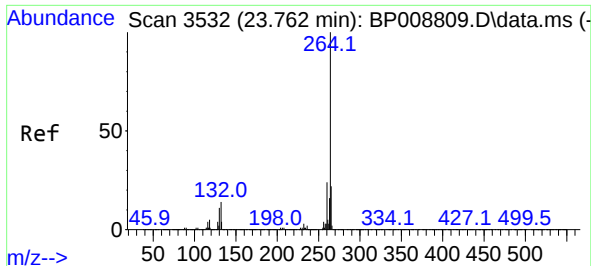
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#83
Chrysene
Concen: 9.577 ng m
RT: 21.357 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

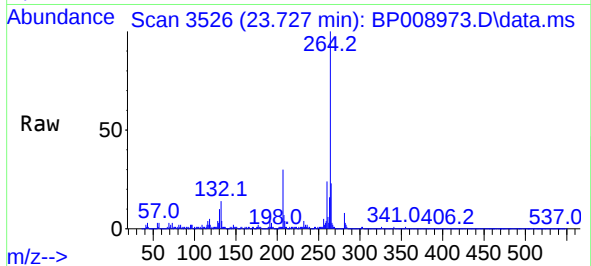
Tgt Ion:228 Resp: 684568
Ion Ratio Lower Upper
228 100
226 31.6 26.0 39.0
229 22.2 16.9 25.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

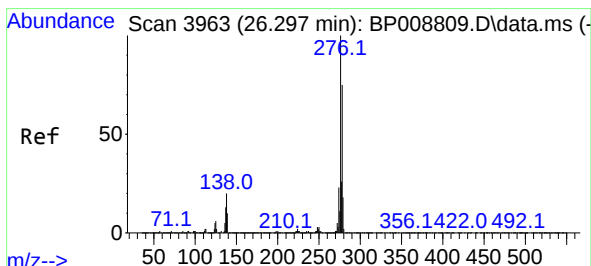
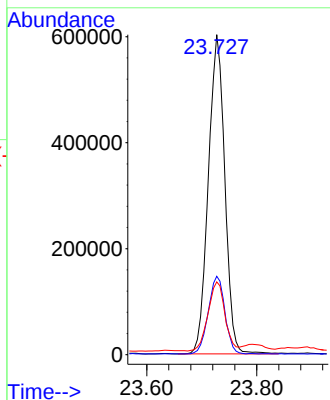
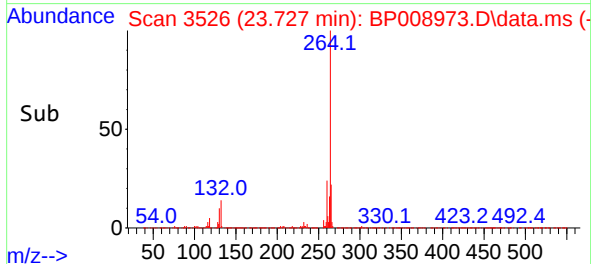
Instrument :
BNA_P
ClientSampleId :
CC-6



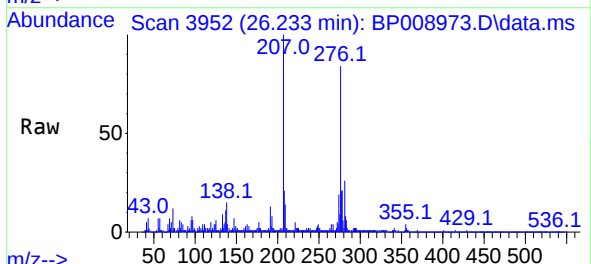
Tgt Ion:264 Resp: 125611
Ion Ratio Lower Upper
264 100
260 24.5 19.1 28.7
265 22.7 17.1 25.7

Manual Integrations
APPROVED

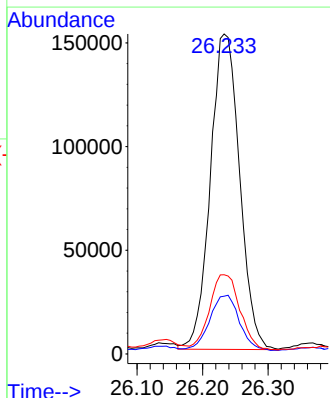
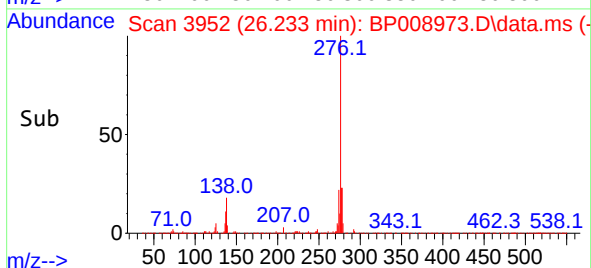
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022

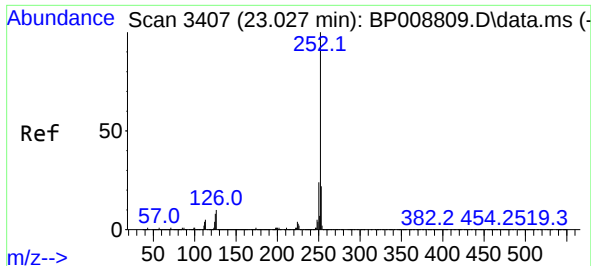


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.554 ng
RT: 26.233 min Scan# 3952
Delta R.T. -0.029 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43



Tgt Ion:276 Resp: 471406
Ion Ratio Lower Upper
276 100
138 17.8 17.8 26.6
277 24.8 20.4 30.6





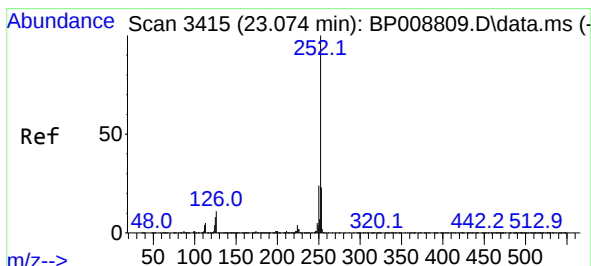
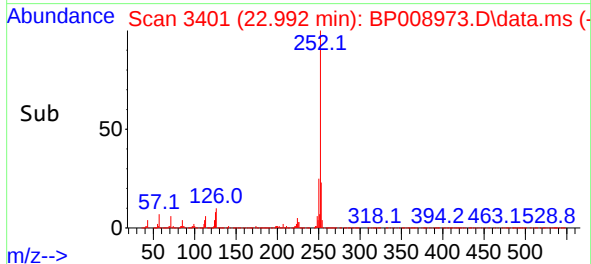
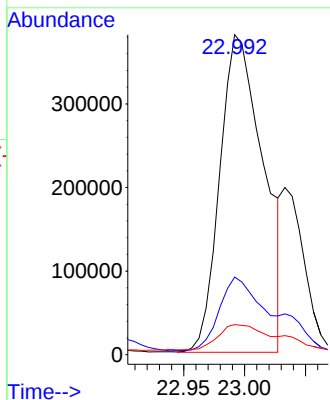
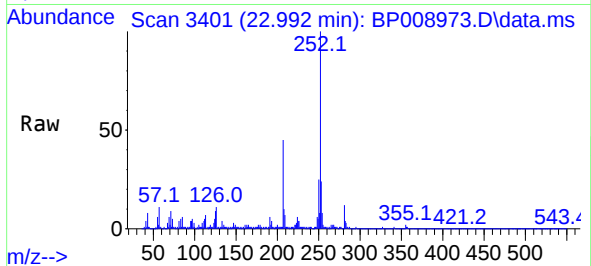
#88
Benzo(b)fluoranthene
Concen: 11.272 ng m
RT: 22.992 min Scan# 3407
Delta R.T. -0.012 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Instrument :
BNA_P
ClientSampleId :
CC-6

Tgt Ion:252 Resp: 945540
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 9.4 6.9 10.3

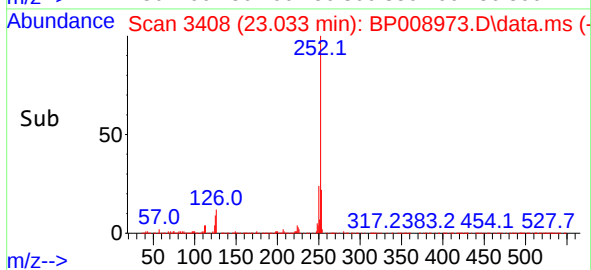
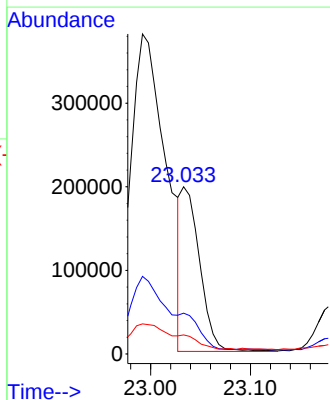
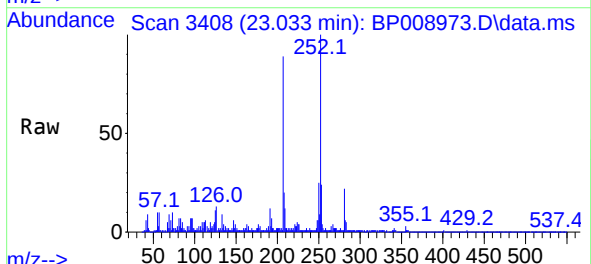
Manual Integrations
APPROVED

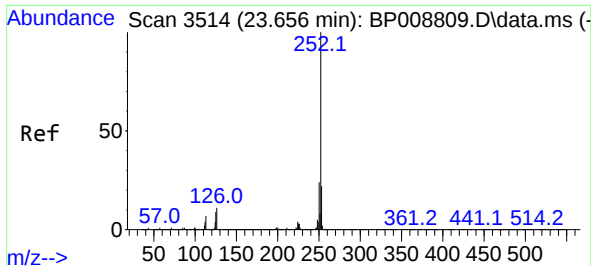
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#89
Benzo(k)fluoranthene
Concen: 3.115 ng m
RT: 23.033 min Scan# 3408
Delta R.T. -0.018 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

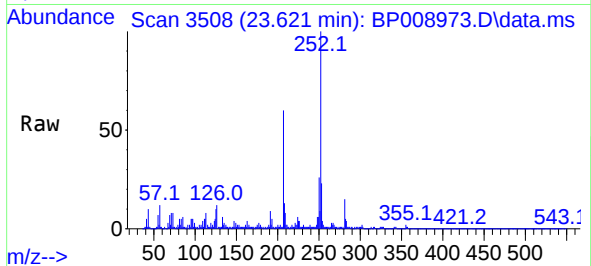
Tgt Ion:252 Resp: 252909
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.2
125 11.4 7.3 10.9#





#90
Benzo(a)pyrene
Concen: 7.628 ng
RT: 23.621 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

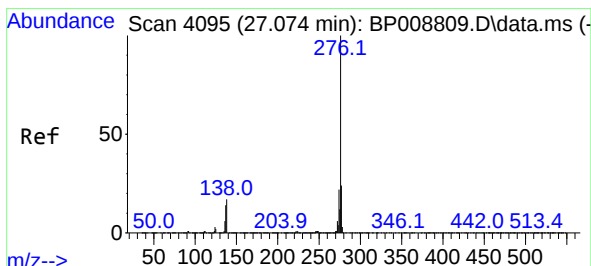
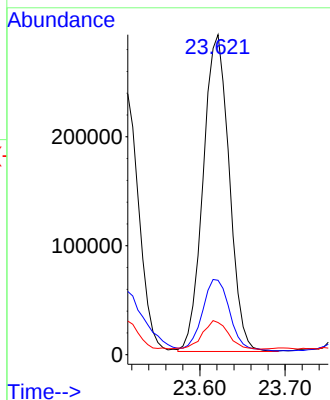
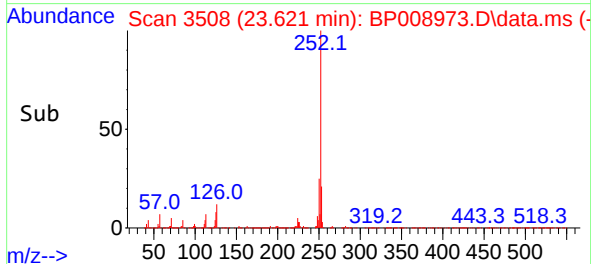
Instrument :
BNA_P
ClientSampleId :
CC-6



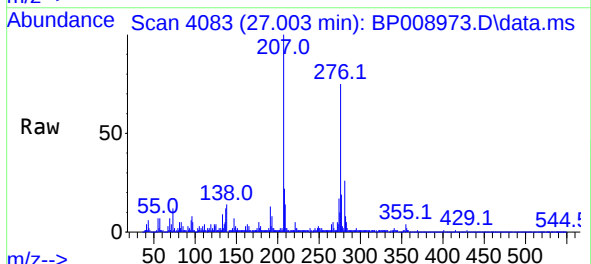
Tgt Ion:252 Resp: 61762
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 10.0 7.8 11.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#92
Benzo(g,h,i)perylene
Concen: 5.507 ng
RT: 27.003 min Scan# 4083
Delta R.T. -0.029 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43



Tgt Ion:276 Resp: 473273
Ion Ratio Lower Upper
276 100
277 24.8 19.2 28.8
138 18.6 15.0 22.4

