

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020922\
 Data File : BP009086.D
 Acq On : 09 Feb 2022 19:44
 Operator : CG/JU
 Sample : N1384-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 26982

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/10/2022
 Supervised By : Jagrut Upadhyay 02/11/2022

Quant Time: Feb 10 01:45:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 07 15:13:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	284244	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	1120772	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	689697	20.000	ng	0.01
64) Phenanthrene-d10	17.233	188	1048311	20.000	ng	# 0.03
76) Chrysene-d12	21.316	240	1147658	20.000	ng	0.02
86) Perylene-d12	23.710	264	1266186	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1071328	67.232	ng	0.00
7) Phenol-d6	6.993	99	1388115	66.111	ng	0.00
23) Nitrobenzene-d5	8.963	82	899216	45.246	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	815165	88.521	ng	0.02
45) 2-Fluorobiphenyl	13.069	172	2451714	49.763	ng	0.00
79) Terphenyl-d14	19.792	244	2580589	40.437	ng	0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.952	77	78456	7.377	ng	97
32) Benzoic acid	9.940	122	28790m	5.437	ng	
71) Phenanthrene	17.275	178	337034	5.938	ng	# 35
75) Fluoranthene	19.251	202	540503	8.496	ng	80
78) Pyrene	19.604	202	535197	6.556	ng	# 87
81) Benzo(a)anthracene	21.298	228	312522	4.226	ng	95
83) Chrysene	21.351	228	367185	5.150	ng	96
84) Bis(2-ethylhexyl)phtha...	21.216	149	86754	2.336	ng	# 84
87) Indeno(1,2,3-cd)pyrene	26.209	276	270013	2.870	ng	# 92
88) Benzo(b)fluoranthene	22.980	252	513894m	6.593	ng	
89) Benzo(k)fluoranthene	23.021	252	159989m	2.057	ng	
90) Benzo(a)pyrene	23.604	252	330949	5.093	ng	# 97
92) Benzo(g,h,i)perylene	26.980	276	289932	3.766	ng	96

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

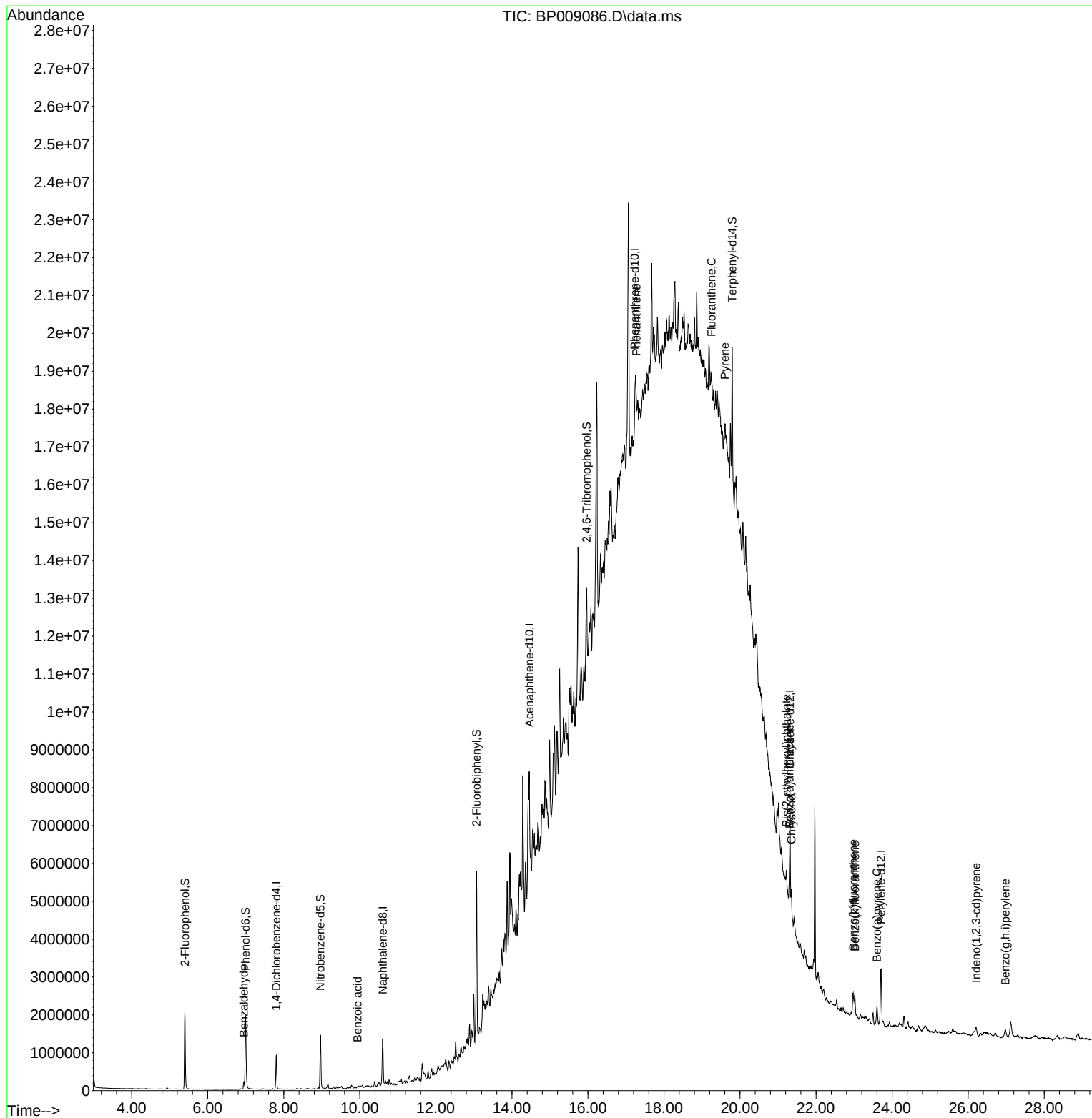
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020922\
Data File : BP009086.D
Acq On : 09 Feb 2022 19:44
Operator : CG/JU
Sample : N1384-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

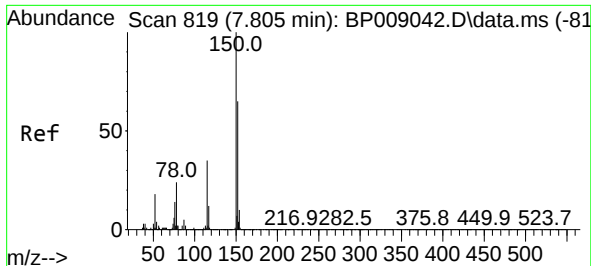
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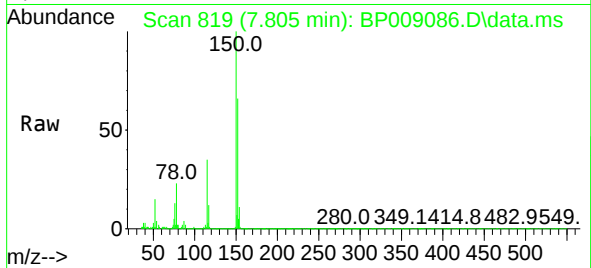
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 07 15:13:17 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

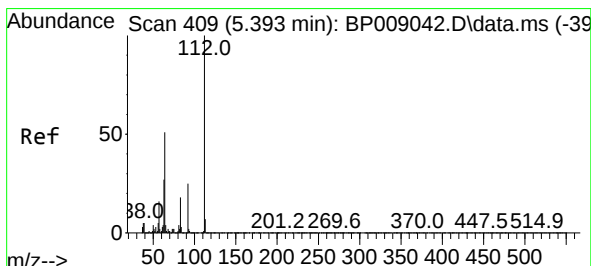
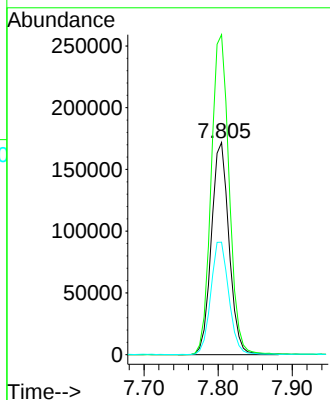
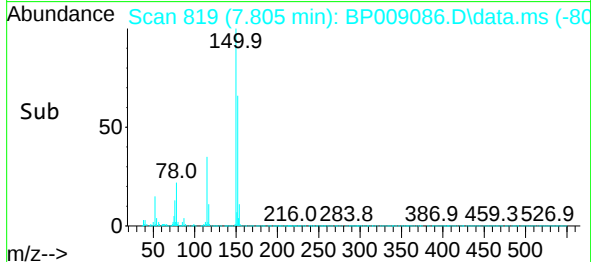
Instrument :
BNA_P
ClientSampleId :
26982



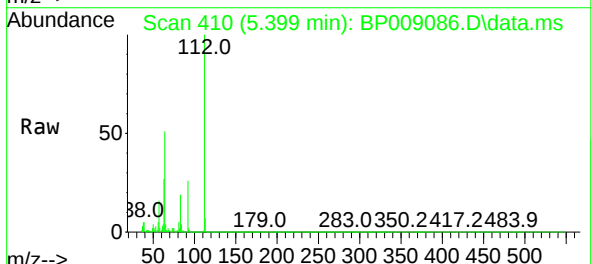
Tgt Ion:152 Resp: 284244
Ion Ratio Lower Upper
152 100
150 150.8 127.0 190.6
115 53.0 43.7 65.5

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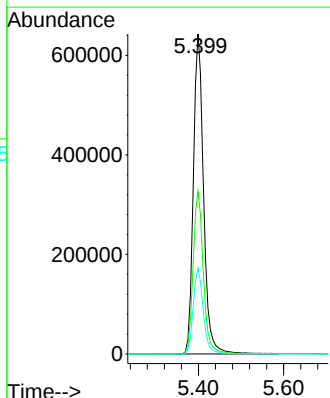
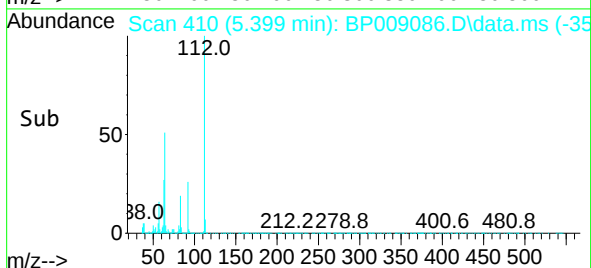
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

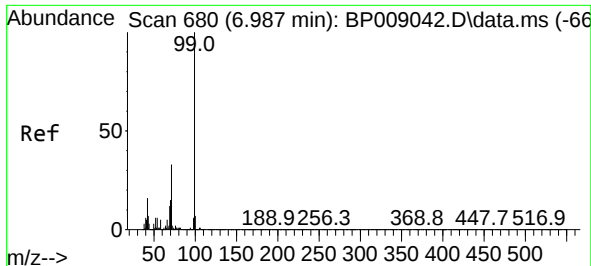


#5
2-Fluorophenol
Concen: 67.232 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44



Tgt Ion:112 Resp: 1071328
Ion Ratio Lower Upper
112 100
64 50.8 39.7 59.5
63 26.8 20.0 30.0





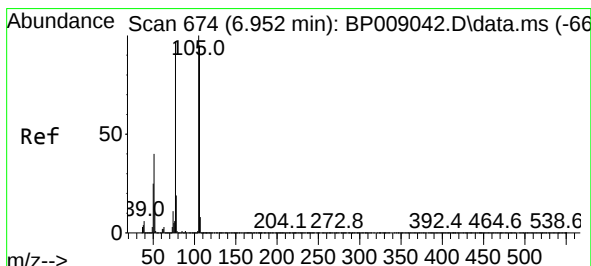
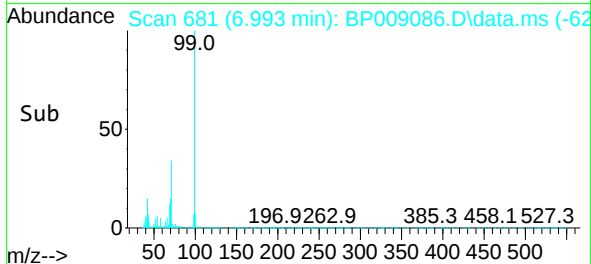
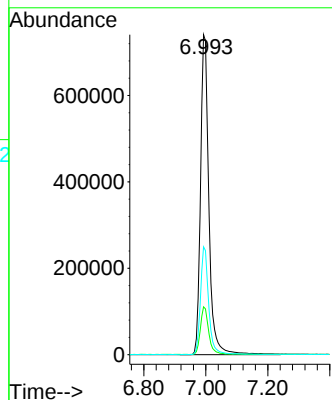
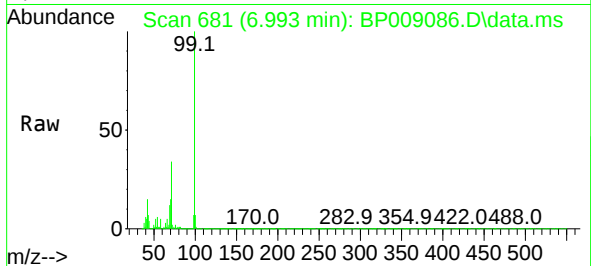
#7
Phenol-d6
Concen: 66.111 ng
RT: 6.993 min Scan# 681
Delta R.T. 0.006 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

Instrument :
BNA_P
ClientSampleId :
26982

Tgt Ion: 99 Resp: 138811
Ion Ratio Lower Upper
99 100
42 15.0 10.8 16.2
71 33.7 23.8 35.6

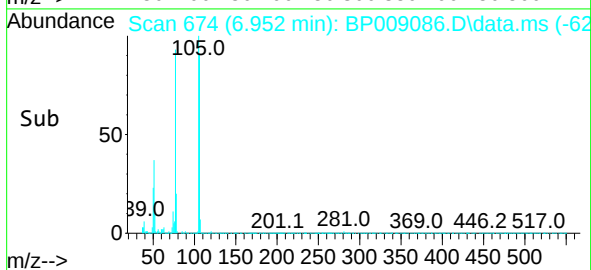
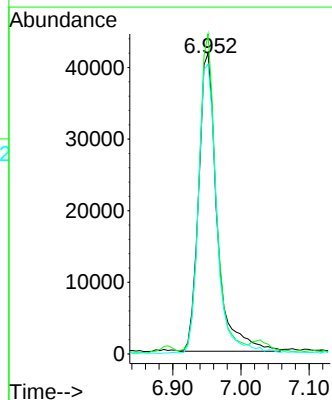
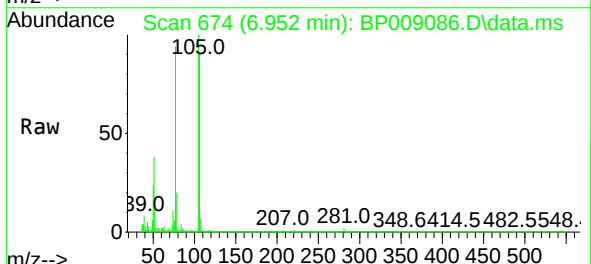
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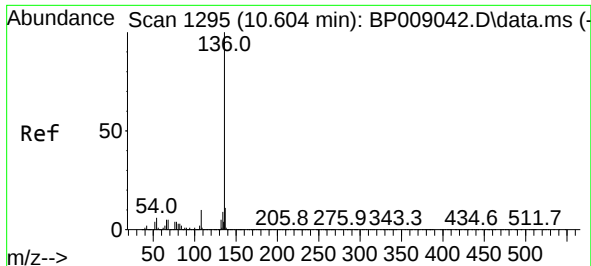
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#9
Benzaldehyde
Concen: 7.377 ng
RT: 6.952 min Scan# 674
Delta R.T. 0.000 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

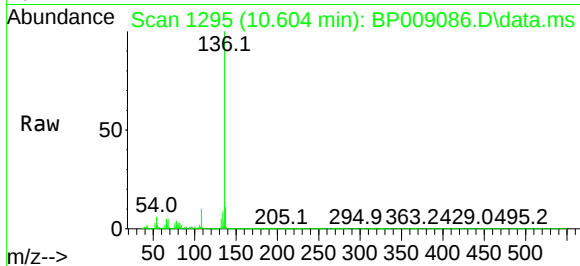
Tgt Ion: 77 Resp: 78456
Ion Ratio Lower Upper
77 100
105 106.4 84.2 124.2
106 96.4 80.6 120.6





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

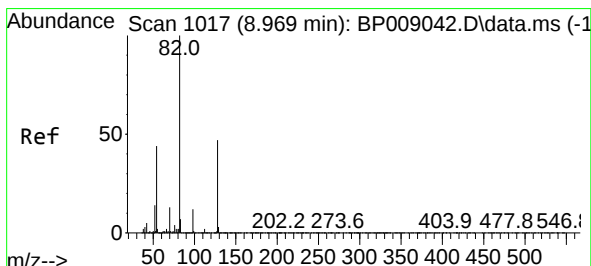
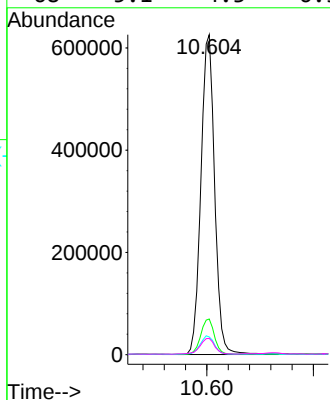
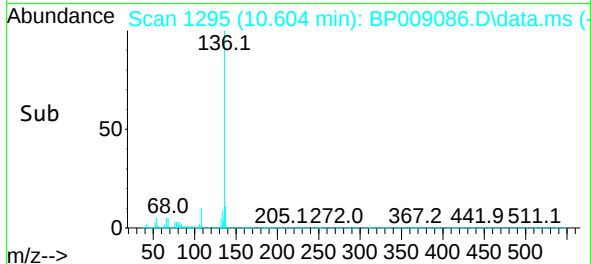
Instrument :
BNA_P
ClientSampleId :
26982



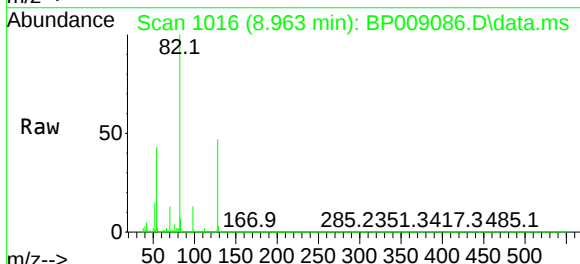
Tgt Ion:136 Resp: 1120772
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 5.5 4.9 7.3
68 5.1 4.3 6.5

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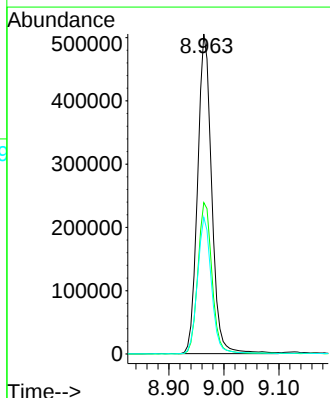
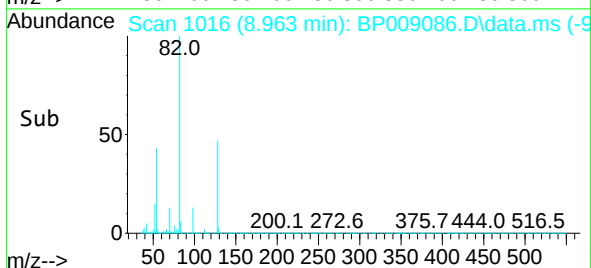
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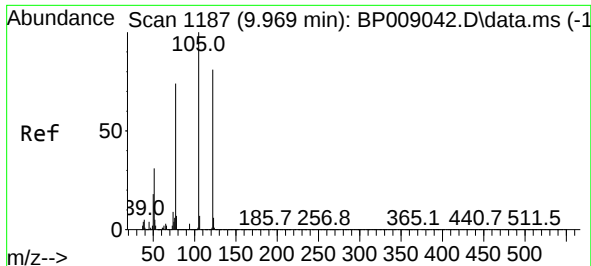


#23
Nitrobenzene-d5
Concen: 45.246 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44



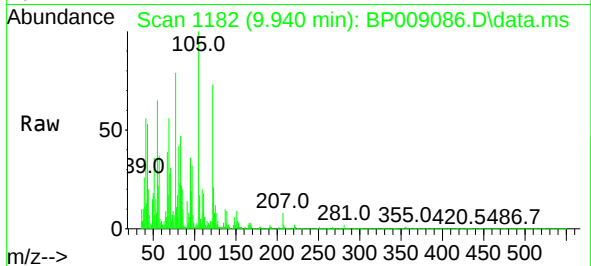
Tgt Ion: 82 Resp: 899216
Ion Ratio Lower Upper
82 100
128 47.3 39.4 59.2
54 42.7 32.6 48.8





#32
Benzoic acid
Concen: 5.437 ng m
RT: 9.940 min Scan# 1187
Delta R.T. -0.029 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

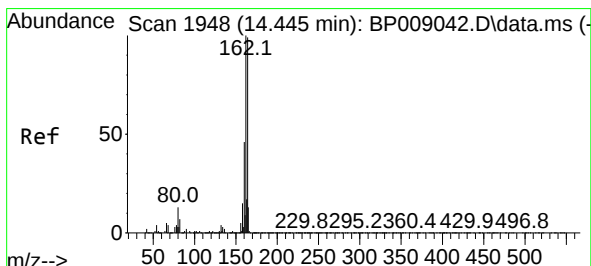
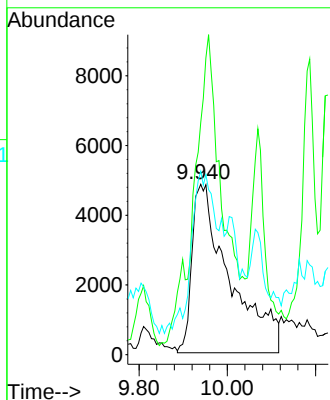
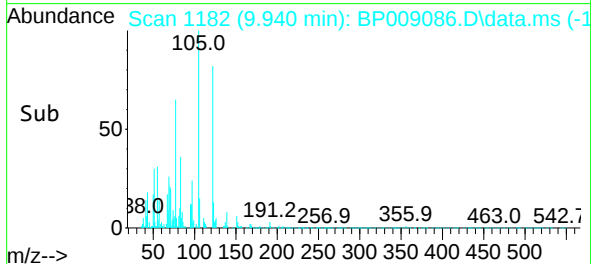
Instrument : BNA_P
ClientSampleId : 26982



Tgt Ion:122 Resp: 28790
Ion Ratio Lower Upper
122 100
105 136.4 100.1 140.1
77 107.8 65.5 105.5

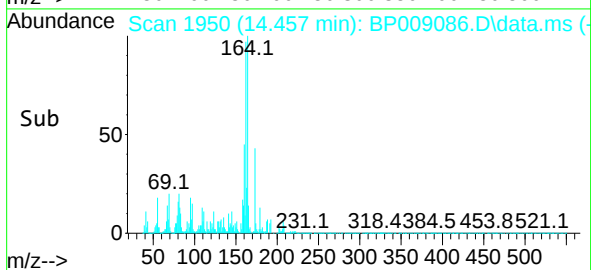
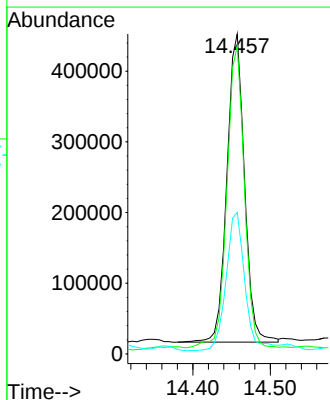
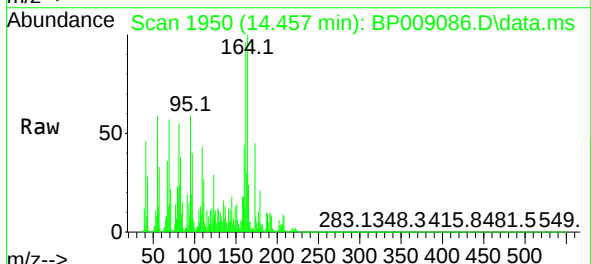
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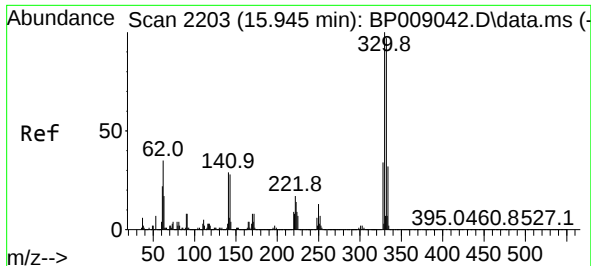
Reviewed By :Christian Giraldo 02/10/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. 0.012 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

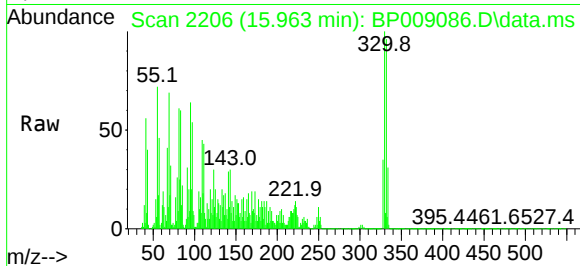
Tgt Ion:164 Resp: 689697
Ion Ratio Lower Upper
164 100
162 96.3 79.9 119.9
160 44.2 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 88.521 ng
RT: 15.963 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

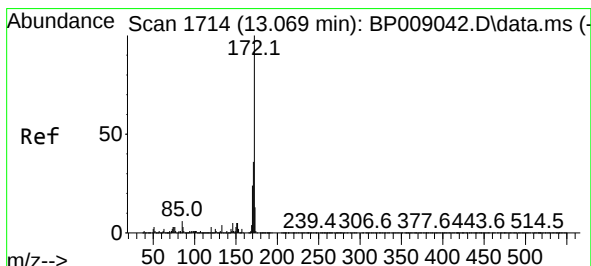
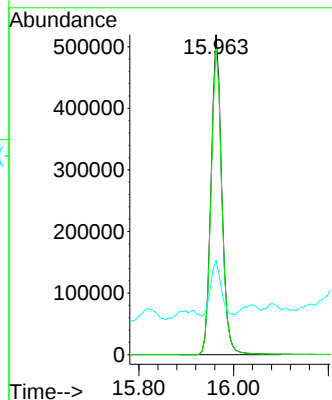
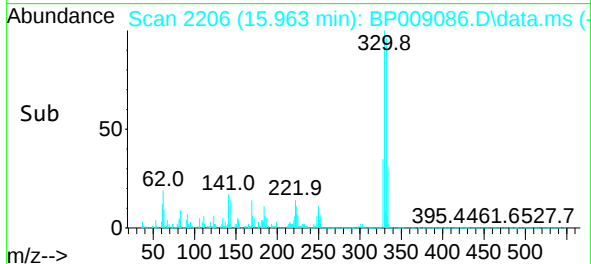
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BNA_P
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26982



Tgt Ion:330 Resp: 81516
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 16.7 21.3 31.9

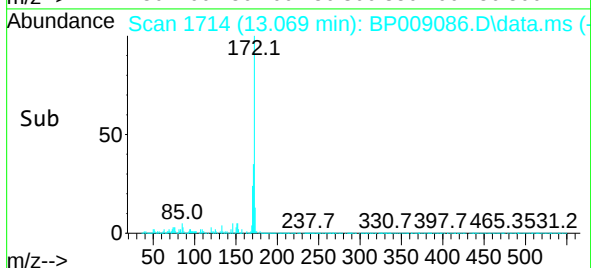
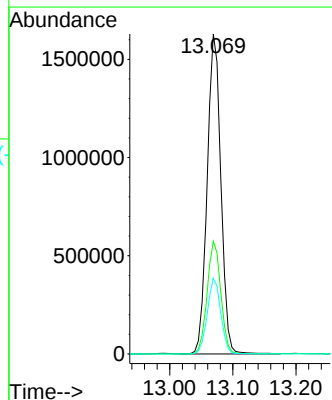
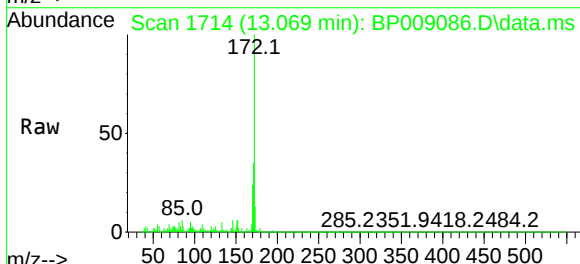
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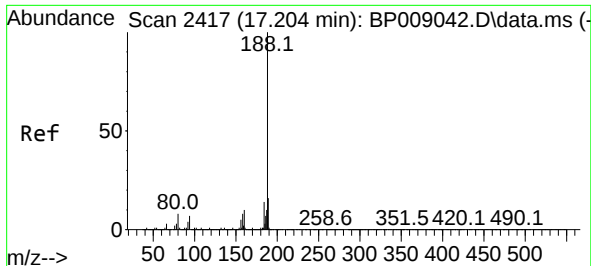
Reviewed By :Christian Giraldo 02/10/2022
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#45
2-Fluorobiphenyl
Concen: 49.763 ng
RT: 13.069 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

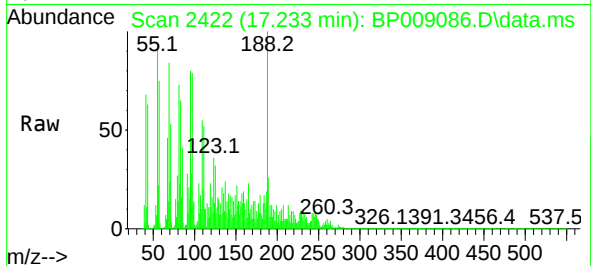
Tgt Ion:172 Resp: 2451714
Ion Ratio Lower Upper
172 100
171 35.2 29.3 43.9
170 23.6 19.5 29.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.233 min Scan# 2417
Delta R.T. 0.029 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

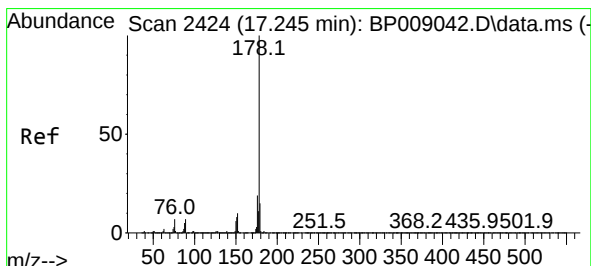
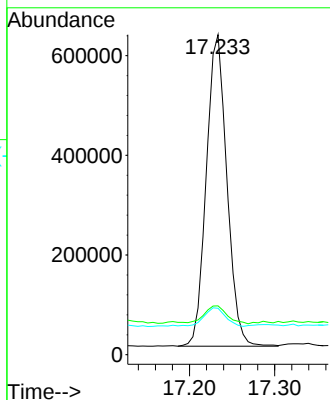
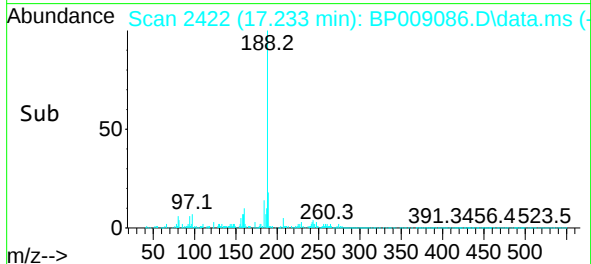
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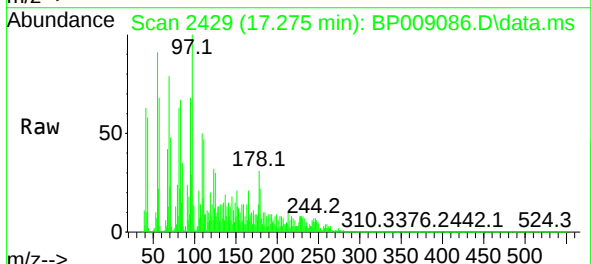
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Ion Ratio Lower Upper
188 100
94 15.2 6.8 10.2
80 14.5 7.2 10.8

Manual Integrations
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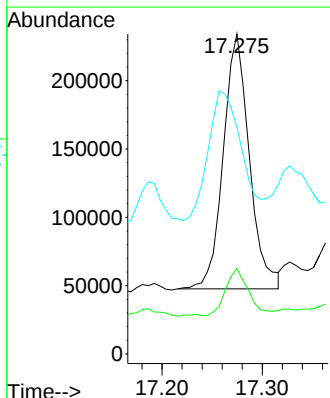
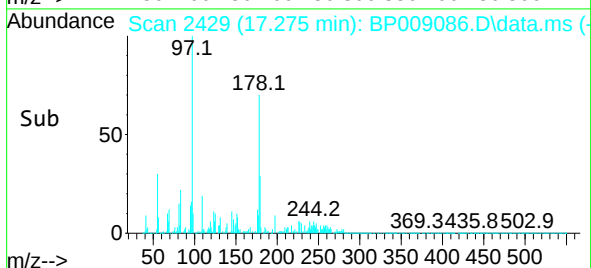
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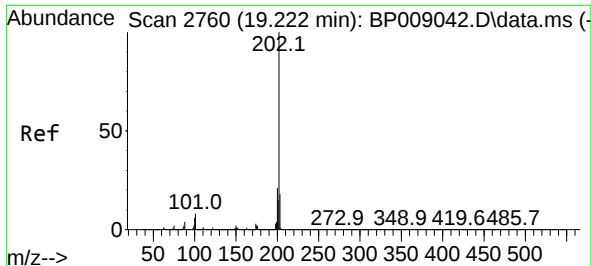


#71
Phenanthrene
Concen: 5.938 ng
RT: 17.275 min Scan# 2429
Delta R.T. 0.029 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44



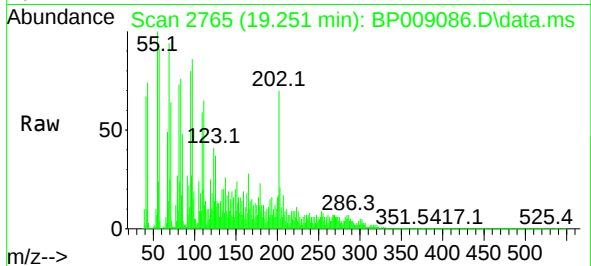
Tgt Ion:178 Resp: 337034
Ion Ratio Lower Upper
178 100
176 26.7 16.0 24.0#
179 70.8 13.0 19.4#





#75
Fluoranthene
Concen: 8.496 ng
RT: 19.251 min Scan# 21
Delta R.T. 0.029 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

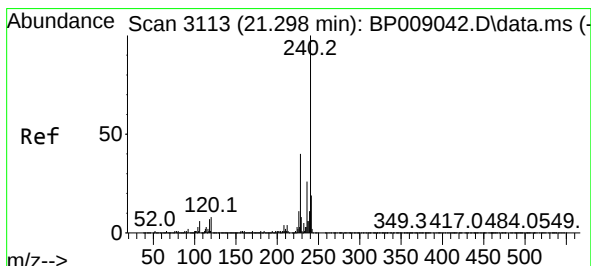
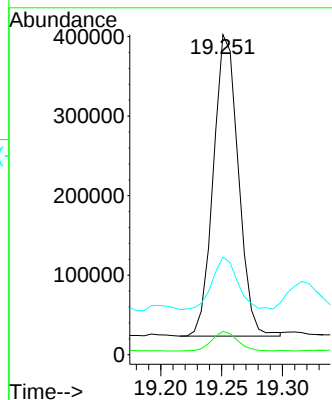
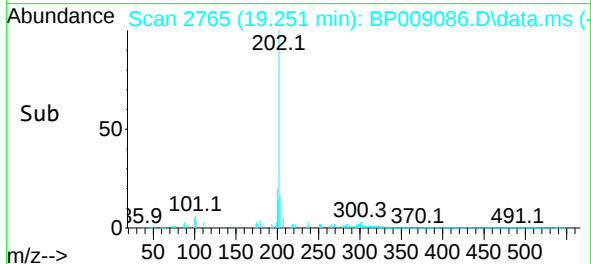
Instrument :
BNA_P
ClientSampleId :
26982



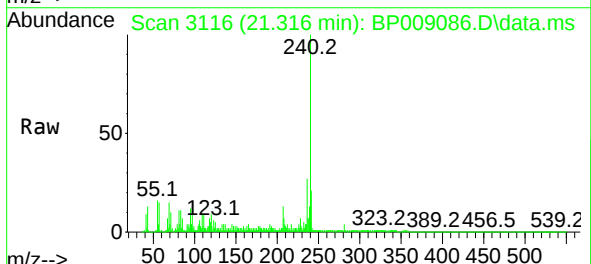
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Ion Ratio Lower Upper
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101 7.2 0.0 30.7
203 30.5 0.0 38.9

Manual Integrations
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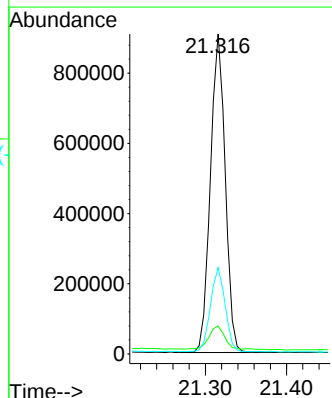
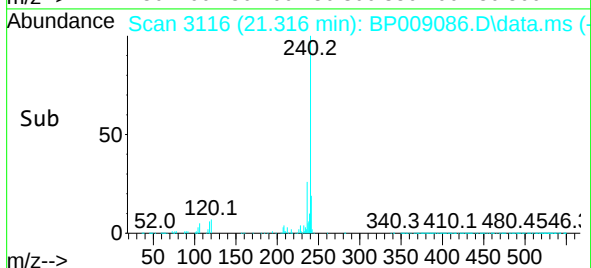
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

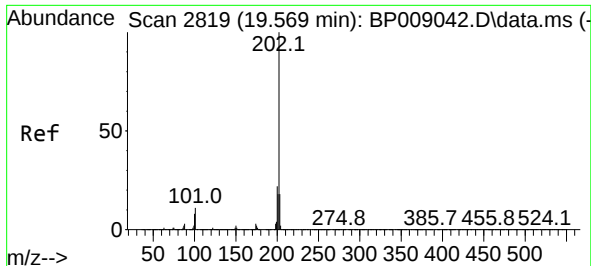


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.316 min Scan# 3116
Delta R.T. 0.018 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44



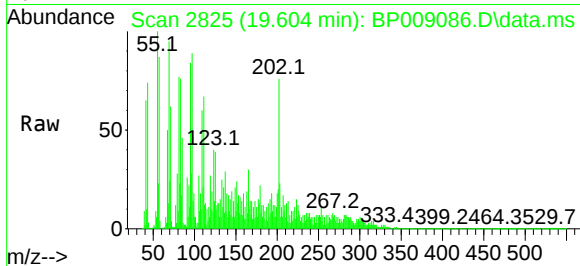
Tgt Ion:240 Resp: 1147658
Ion Ratio Lower Upper
240 100
120 8.7 7.7 11.5
236 27.0 21.2 31.8





#78
Pyrene
Concen: 6.556 ng
RT: 19.604 min Scan# 2819
Delta R.T. 0.035 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

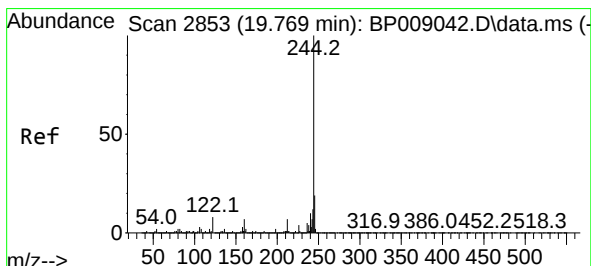
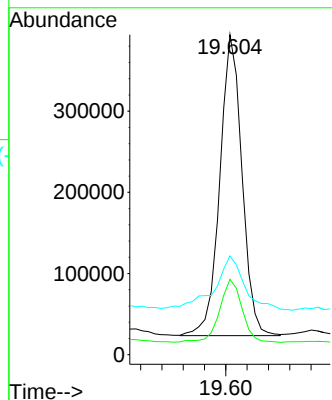
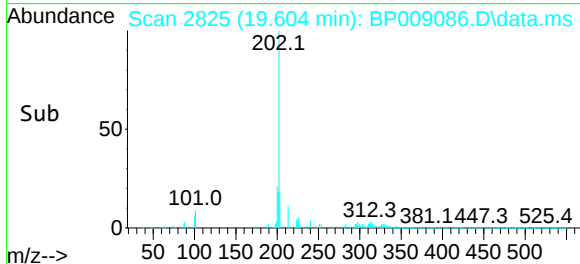
Instrument :
BNA_P
ClientSampleId :
26982



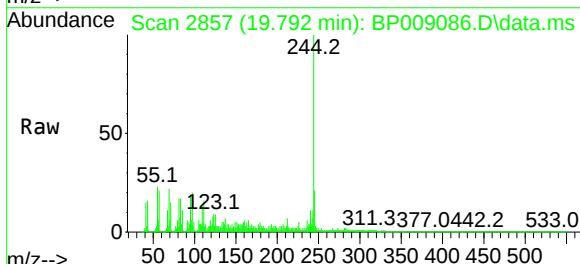
Tgt Ion:202 Resp: 535197
Ion Ratio Lower Upper
202 100
200 23.6 18.0 27.0
203 30.9 15.0 22.6

Manual Integrations
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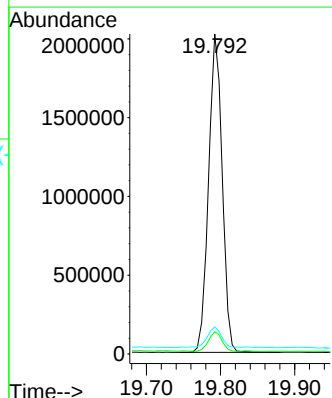
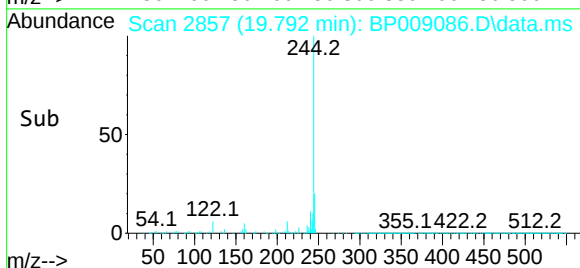
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

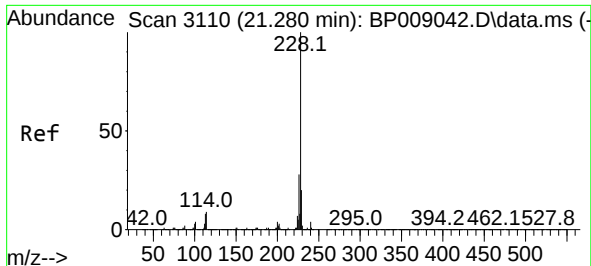


#79
Terphenyl-d14
Concen: 40.437 ng
RT: 19.792 min Scan# 2857
Delta R.T. 0.024 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44



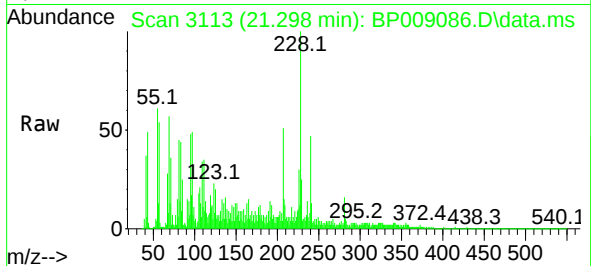
Tgt Ion:244 Resp: 2580589
Ion Ratio Lower Upper
244 100
212 7.0 6.5 9.7
122 8.4 9.2 13.8





#81
Benzo(a)anthracene
Concen: 4.226 ng
RT: 21.298 min Scan# 3110
Delta R.T. 0.018 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

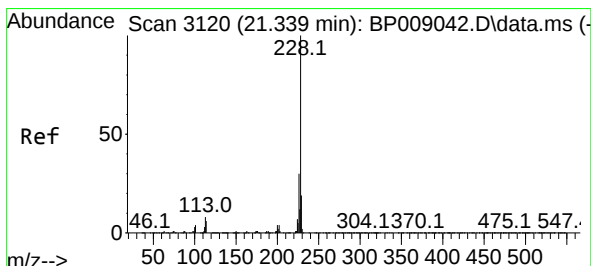
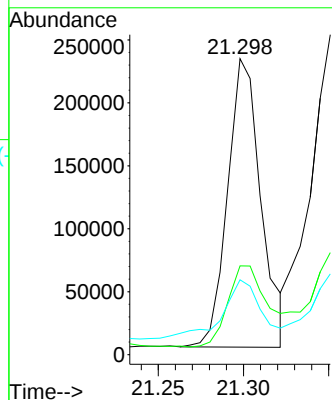
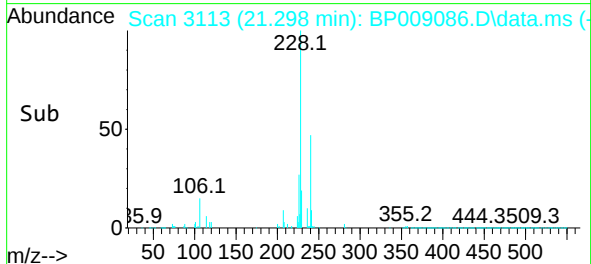
Instrument :
BNA_P
ClientSampleId :
26982



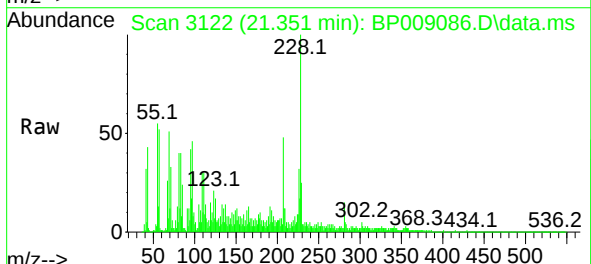
Tgt Ion:228 Resp: 31252
Ion Ratio Lower Upper
228 100
226 30.0 23.3 34.9
229 25.3 17.0 25.6

Manual Integrations
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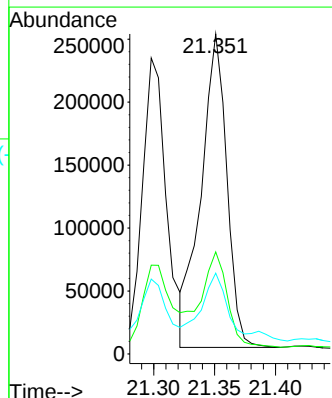
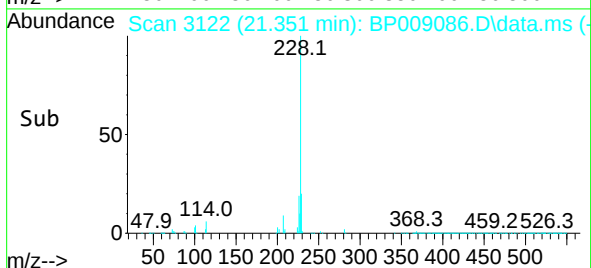
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

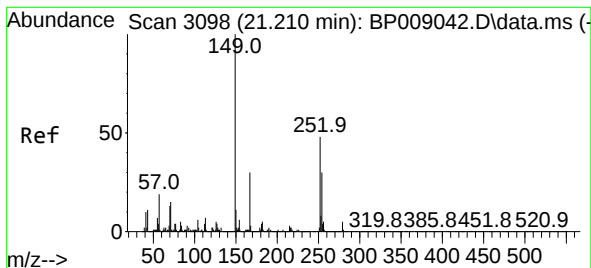


#83
Chrysene
Concen: 5.150 ng
RT: 21.351 min Scan# 3122
Delta R.T. 0.012 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44



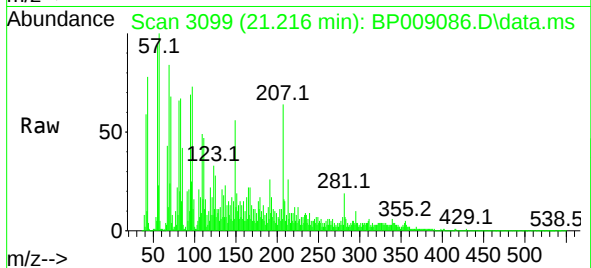
Tgt Ion:228 Resp: 367185
Ion Ratio Lower Upper
228 100
226 31.9 26.0 39.0
229 25.2 16.9 25.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.336 ng
RT: 21.216 min Scan# 3098
Delta R.T. 0.006 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

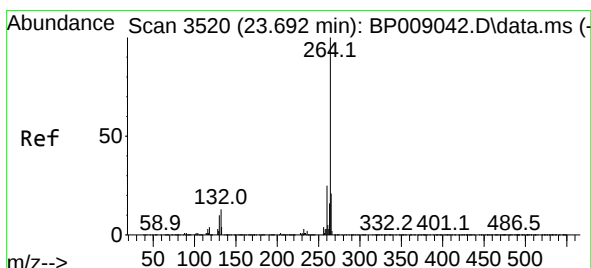
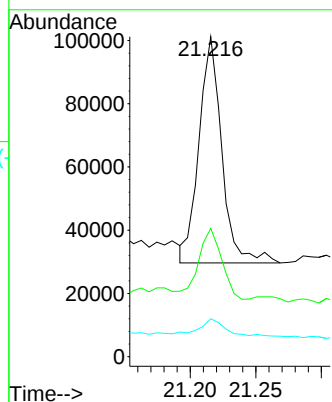
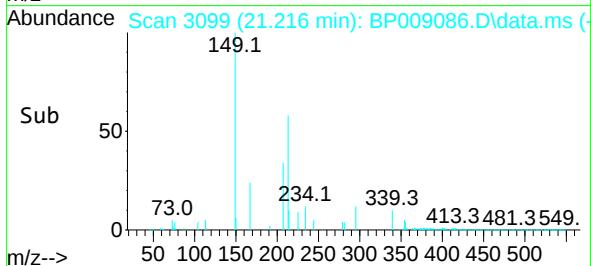
Instrument :
BNA_P
ClientSampleId :
26982



Tgt Ion:149 Resp: 86754
Ion Ratio Lower Upper
149 100
167 40.1 25.0 37.4
279 11.8 4.8 7.2

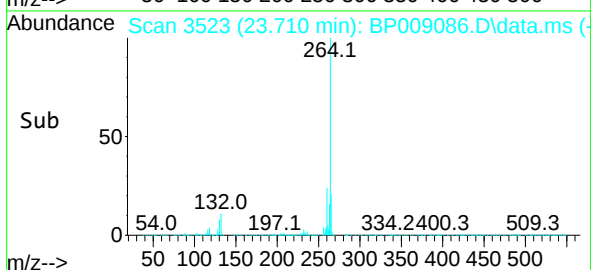
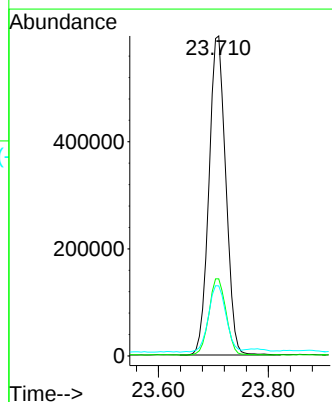
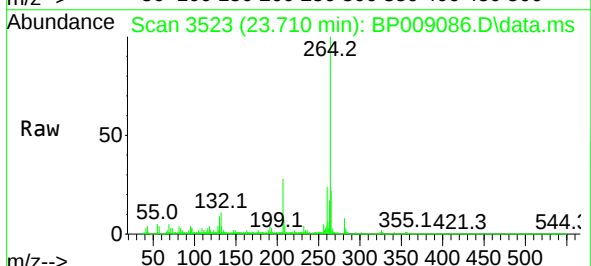
Manual Integrations
APPROVED

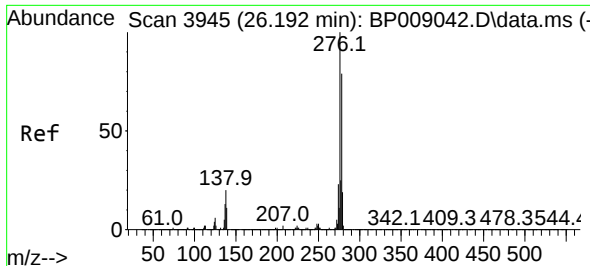
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.710 min Scan# 3523
Delta R.T. 0.018 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

Tgt Ion:264 Resp: 1266186
Ion Ratio Lower Upper
264 100
260 24.1 19.1 28.7
265 21.9 17.1 25.7





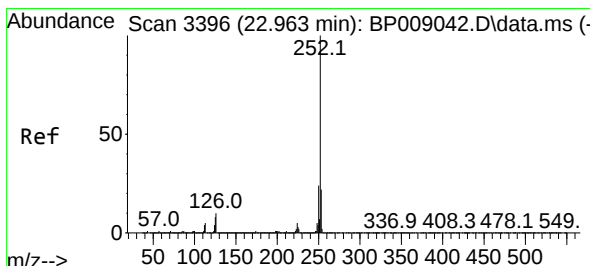
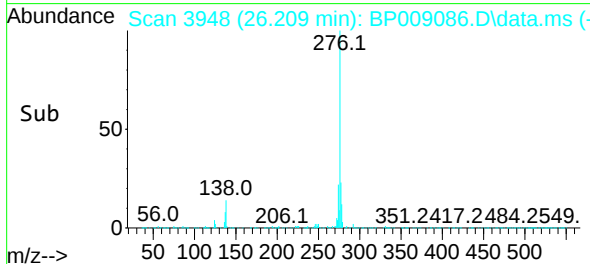
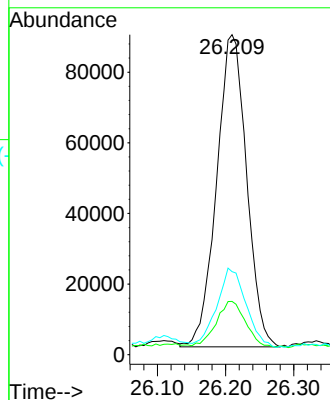
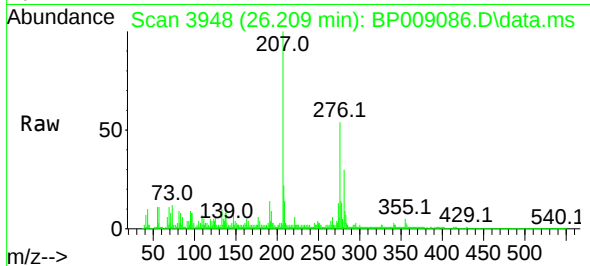
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.870 ng
RT: 26.209 min Scan# 3948
Delta R.T. 0.018 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

Instrument :
BNA_P
ClientSampleId :
26982

Tgt Ion: 276 Resp: 27001
Ion Ratio Lower Upper
276 100
138 14.3 17.8 26.6
277 25.0 20.4 30.6

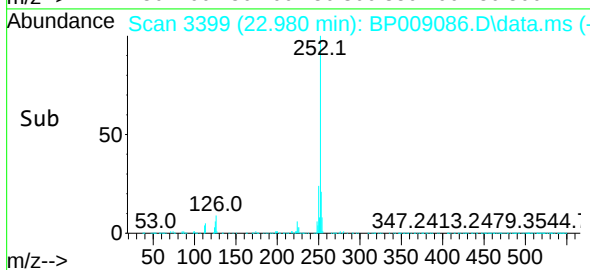
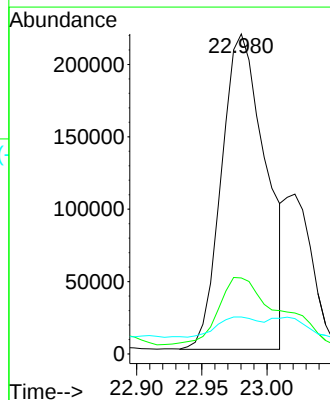
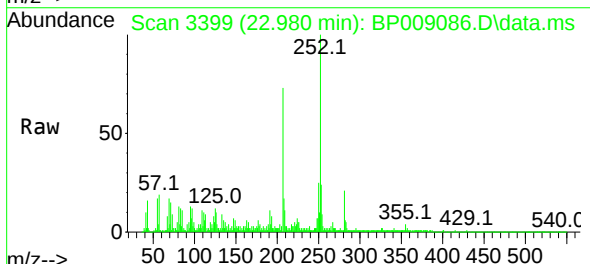
Manual Integrations
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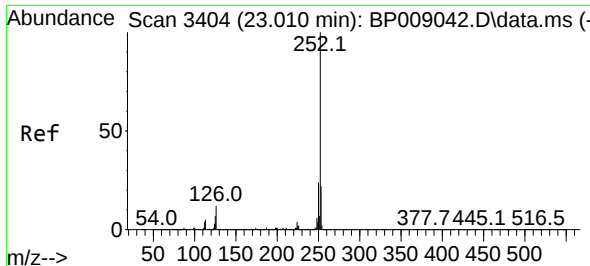
Reviewed By : Christian Giraldo 02/10/2022
Supervised By : Jagrut Upadhyay 02/11/2022



#88
Benzo(b)fluoranthene
Concen: 6.593 ng m
RT: 22.980 min Scan# 3399
Delta R.T. 0.018 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

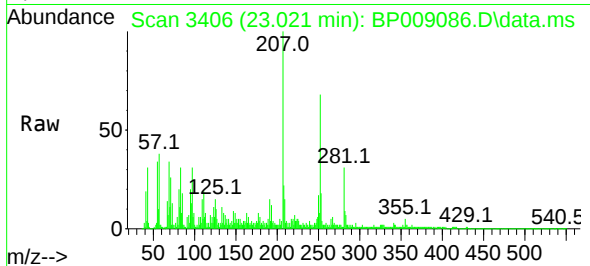
Tgt Ion: 252 Resp: 513894
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 11.6 6.9 10.3





#89
Benzo(k)fluoranthene
Concen: 2.057 ng m
RT: 23.021 min Scan# 3406
Delta R.T. 0.012 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

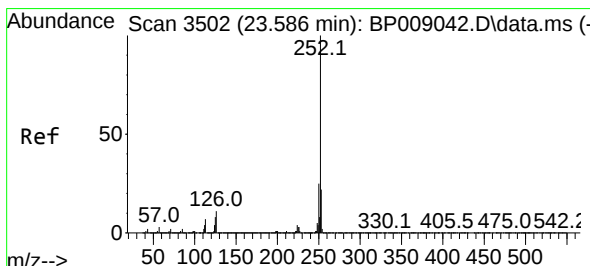
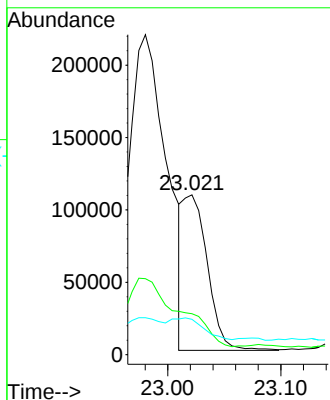
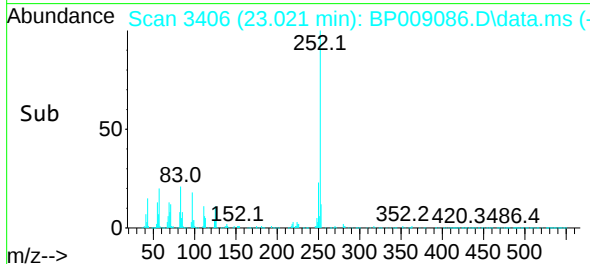
Instrument :
BNA_P
ClientSampleId :
26982



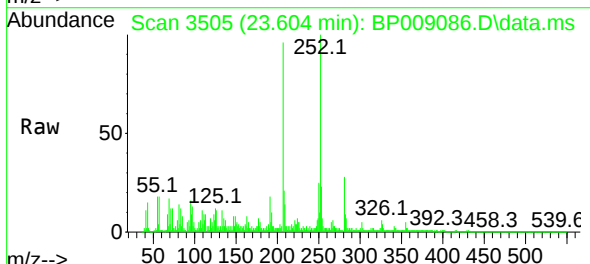
Tgt Ion:252 Resp: 159989
Ion Ratio Lower Upper
252 100
253 25.6 18.2 27.2
125 22.2 7.3 10.9

Manual Integrations
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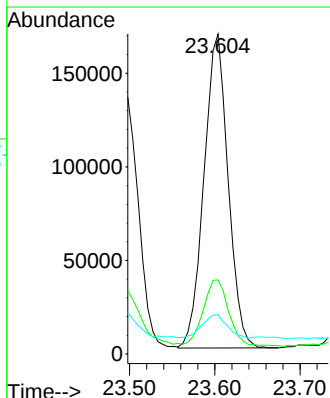
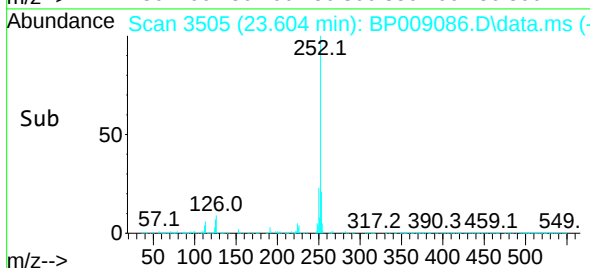
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

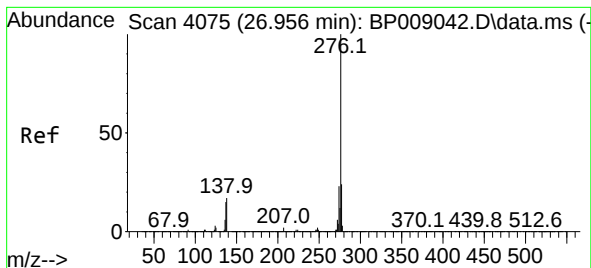


#90
Benzo(a)pyrene
Concen: 5.093 ng
RT: 23.604 min Scan# 3505
Delta R.T. 0.018 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44



Tgt Ion:252 Resp: 330949
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 12.3 7.8 11.6





#92

Benzo(g,h,i)perylene

Concen: 3.766 ng

RT: 26.980 min Scan# 4079

Delta R.T. 0.024 min

Lab File: BP009086.D

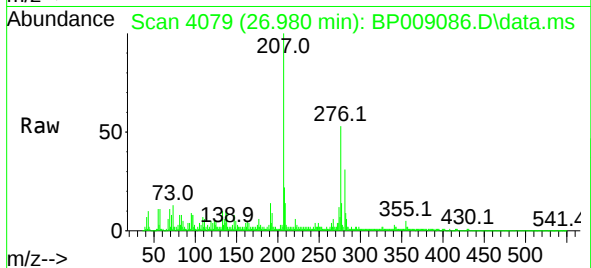
Acq: 09 Feb 2022 19:44

Instrument :

BNA_P

ClientSampleId :

26982



Tgt Ion: 276 Resp: 28993

Ion Ratio Lower Upper

276 100

277 26.3 19.2 28.8

138 16.9 15.0 22.4

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 02/10/2022

Supervised By : Jagrut Upadhyay 02/11/2022

