

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020822\
 Data File : BP009068.D
 Acq On : 08 Feb 2022 20:31
 Operator : CG/JU
 Sample : N1415-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CL-02-020422

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/09/2022
 Supervised By : mohammad ahmed 02/15/2022

Quant Time: Feb 09 00:28:52 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	152037	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	537407	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	339710	20.000	ng	0.00
64) Phenanthrene-d10	17.210	188	801191	20.000	ng	0.00
76) Chrysene-d12	21.304	240	927855	20.000	ng	0.00
86) Perylene-d12	23.710	264	1085922	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1075942	126.237	ng	0.00
7) Phenol-d6	6.993	99	1290468	114.905	ng	0.00
23) Nitrobenzene-d5	8.969	82	794894	83.414	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	727902	160.481	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	1917369	79.012	ng	0.00
79) Terphenyl-d14	19.775	244	3457484	67.011	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.016	94	26321	2.331	ng	# 48
58) Fluorene	15.504	166	51603	2.191	ng	98
71) Phenanthrene	17.251	178	450578	10.386	ng	99
72) Anthracene	17.345	178	126370	2.977	ng	97
75) Fluoranthene	19.228	202	623498	12.823	ng	95
78) Pyrene	19.580	202	556768	8.435	ng	97
81) Benzo(a)anthracene	21.292	228	288586	4.826	ng	98
83) Chrysene	21.339	228	257310m	4.464	ng	
87) Indeno(1,2,3-cd)pyrene	26.215	276	168709	2.091	ng	# 94
88) Benzo(b)fluoranthene	22.980	252	335234	5.015	ng	# 79
90) Benzo(a)pyrene	23.604	252	255102	4.577	ng	# 83
92) Benzo(g,h,i)perylene	26.992	276	167531	2.538	ng	# 89

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

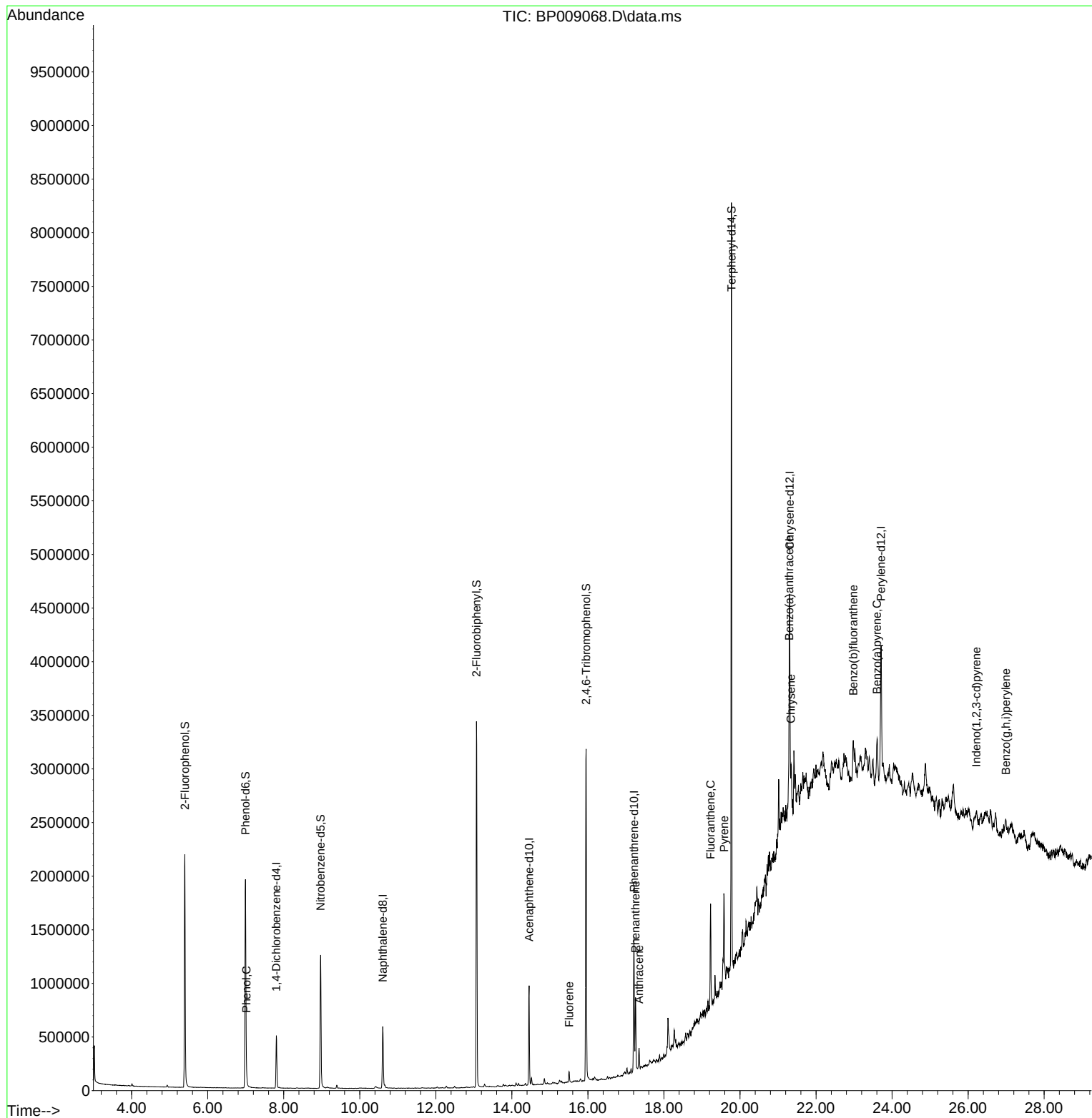
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020822\
Data File : BP009068.D
Acq On : 08 Feb 2022 20:31
Operator : CG/JU
Sample : N1415-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

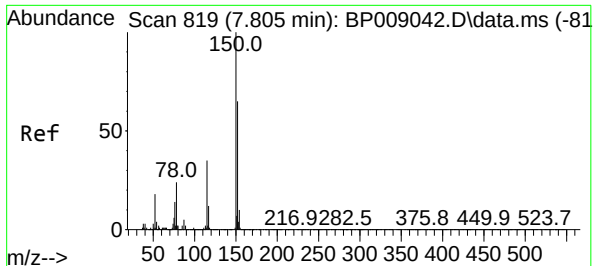
Instrument :
BNA_P
ClientSampleId :
CL-02-020422

Quant Time: Feb 09 00:28:52 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

Manual Integrations
APPROVED

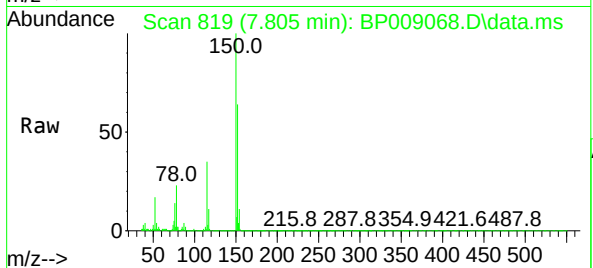
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :mohammad ahmed 02/15/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31

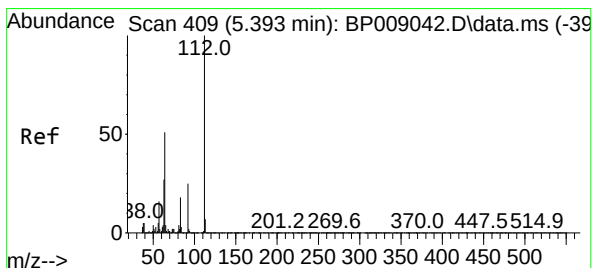
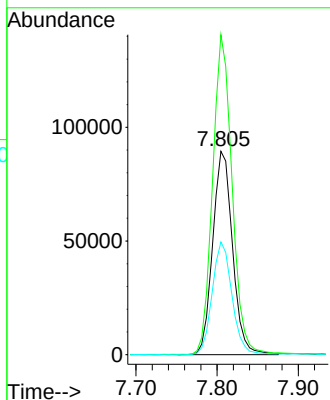
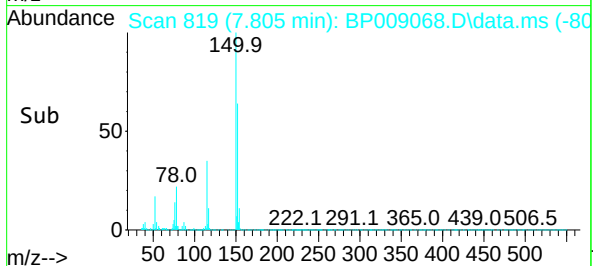
Instrument :
BNA_P
ClientSampleId :
CL-02-020422



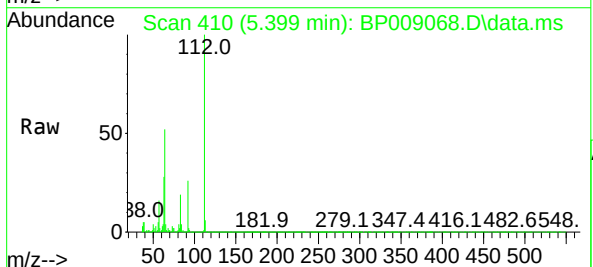
Tgt Ion:152 Resp: 15203
Ion Ratio Lower Upper
152 100
150 157.3 127.0 190.6
115 55.5 43.7 65.5

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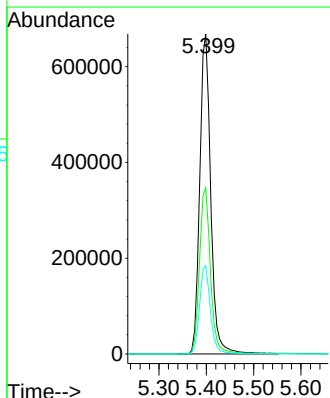
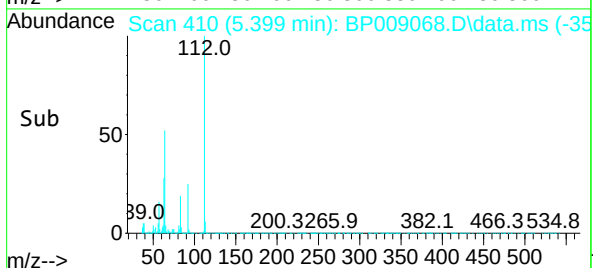
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :mohammad ahmed 02/15/2022

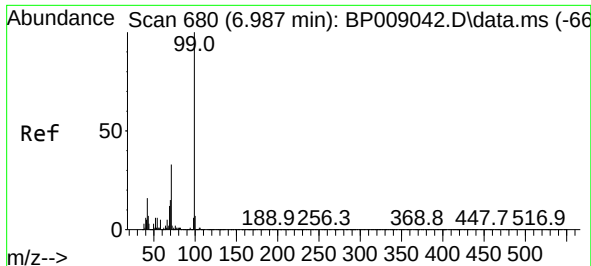


#5
2-Fluorophenol
Concen: 126.237 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31



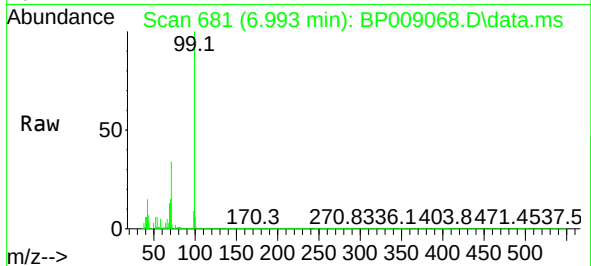
Tgt Ion:112 Resp: 1075942
Ion Ratio Lower Upper
112 100
64 51.9 39.7 59.5
63 27.5 20.0 30.0





#7
Phenol-d6
Concen: 114.905 ng
RT: 6.993 min Scan# 681
Delta R.T. 0.006 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31

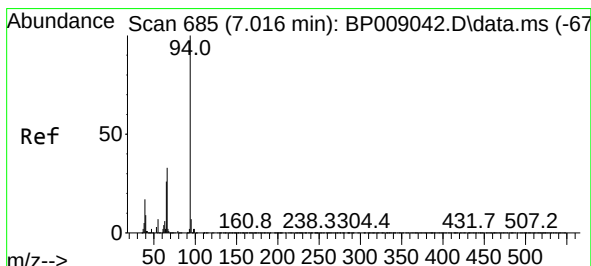
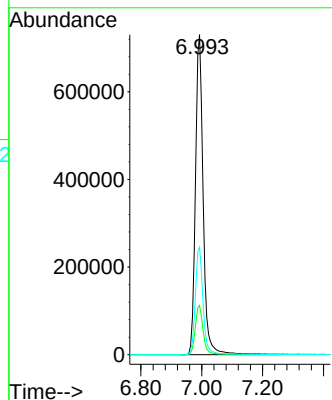
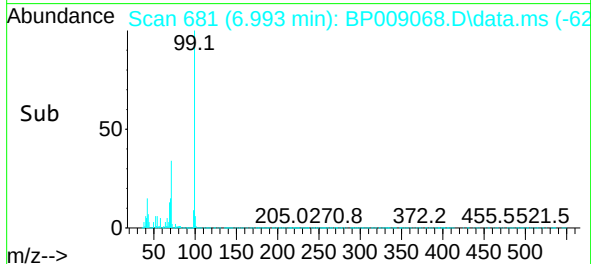
Instrument :
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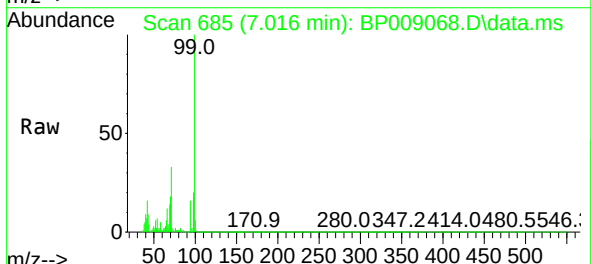
Tgt Ion: 99 Resp: 1290468
Ion Ratio Lower Upper
99 100
42 15.4 10.8 16.2
71 33.6 23.8 35.6

Manual Integrations
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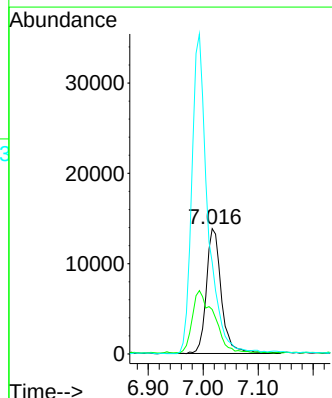
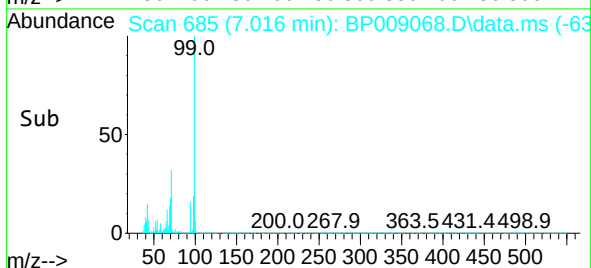
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :mohammad ahmed 02/15/2022

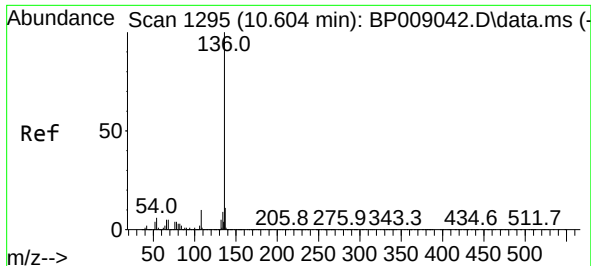


#10
Phenol
Concen: 2.331 ng
RT: 7.016 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31



Tgt Ion: 94 Resp: 26321
Ion Ratio Lower Upper
94 100
65 35.5 4.1 44.1
66 73.3 12.4 52.4





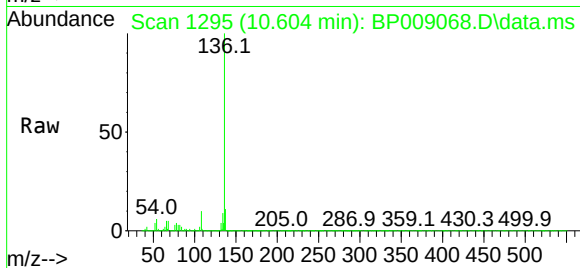
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31

Instrument :

BNA_P

ClientSampleId :

CL-02-020422

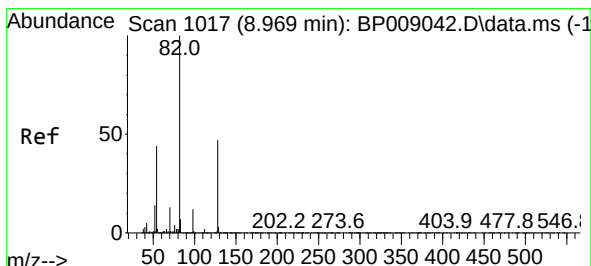
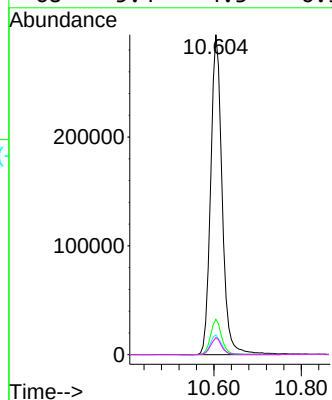
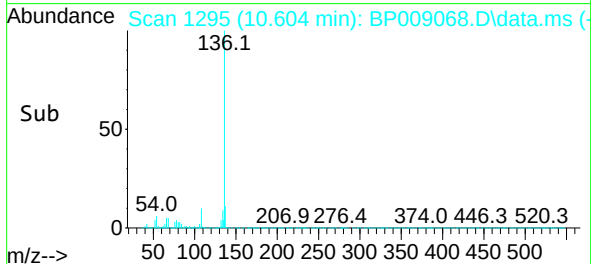


Tgt Ion: 136 Resp: 53740
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 6.2 4.9 7.3
68 5.4 4.3 6.5

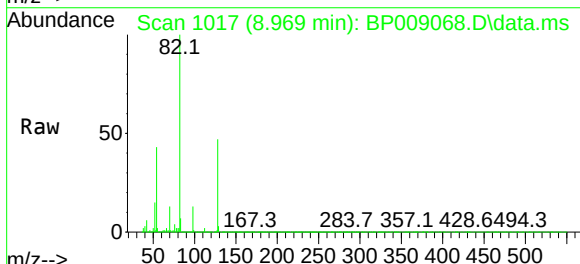
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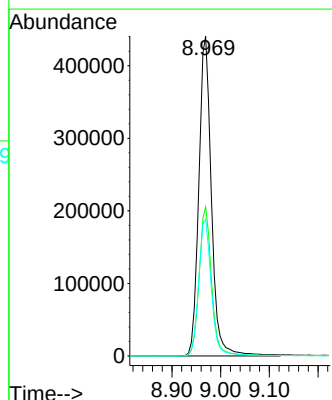
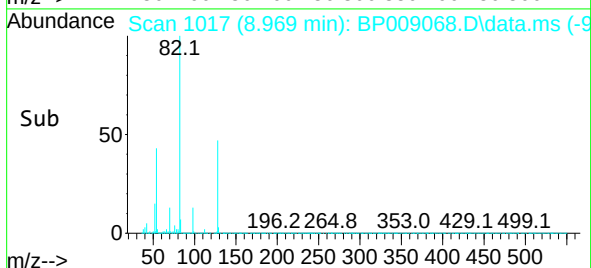
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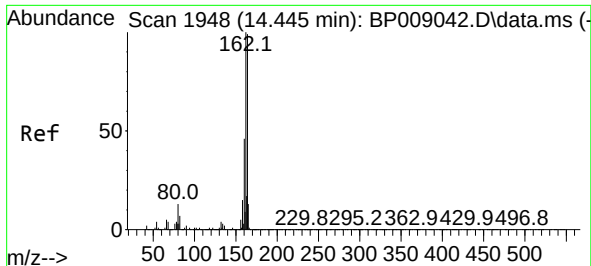


#23
Nitrobenzene-d5
Concen: 83.414 ng
RT: 8.969 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31



Tgt Ion: 82 Resp: 794894
Ion Ratio Lower Upper
82 100
128 46.5 39.4 59.2
54 42.7 32.6 48.8





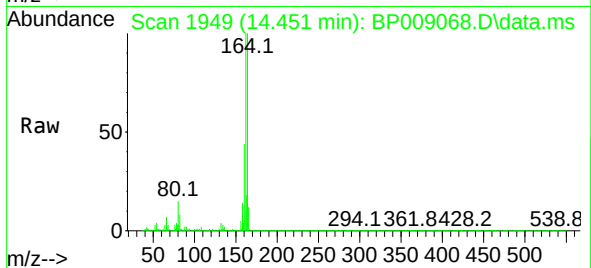
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1948
Delta R.T. 0.006 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31

Instrument :

BNA_P

ClientSampleId :

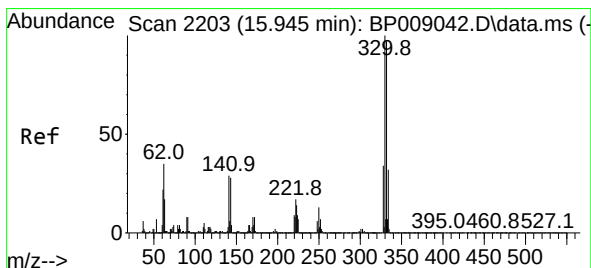
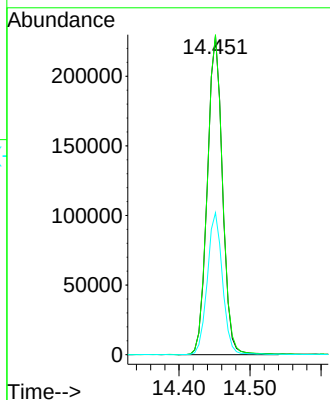
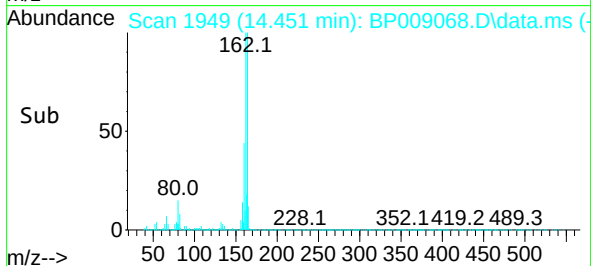
CL-02-020422



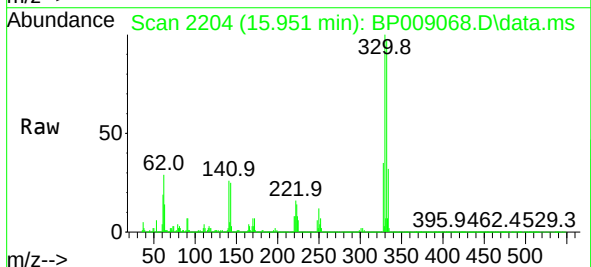
Tgt Ion:164 Resp: 339710
Ion Ratio Lower Upper
164 100
162 100.4 79.9 119.9
160 44.5 35.5 53.3

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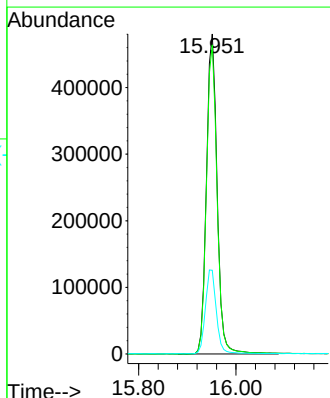
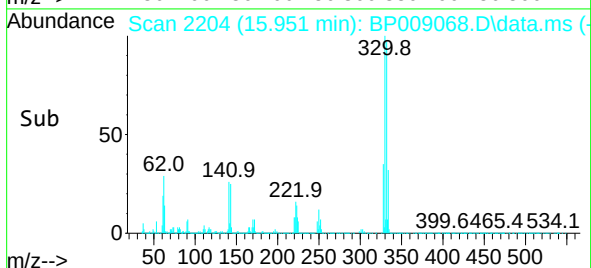
Reviewed By :Christian Giraldo 02/09/2022
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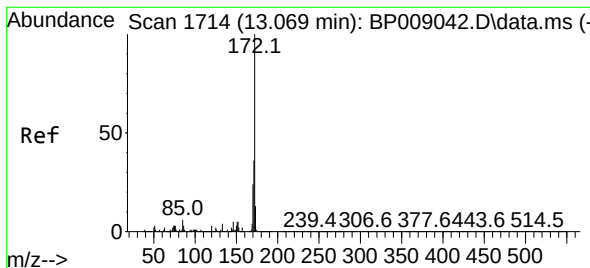


#42
2,4,6-Tribromophenol
Concen: 160.481 ng
RT: 15.951 min Scan# 2204
Delta R.T. 0.006 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31



Tgt Ion:330 Resp: 727902
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 27.1 21.3 31.9





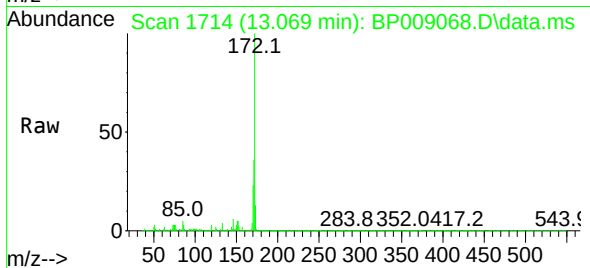
#45
2-Fluorobiphenyl
Concen: 79.012 ng
RT: 13.069 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31

Instrument :

BNA_P

ClientSampleId :

CL-02-020422

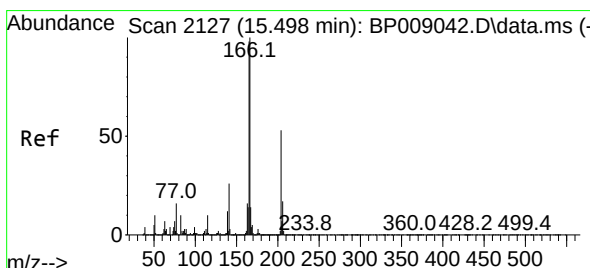
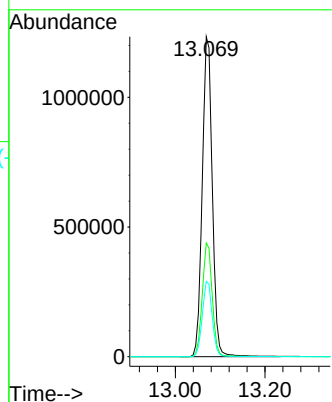
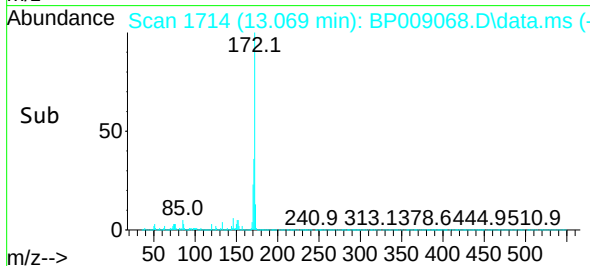


Tgt Ion:172 Resp: 1917369
Ion Ratio Lower Upper
172 100
171 35.6 29.3 43.9
170 23.5 19.5 29.3

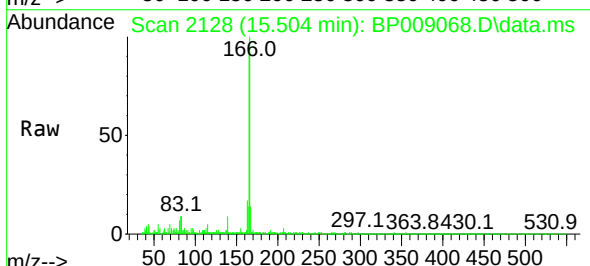
Manual Integrations

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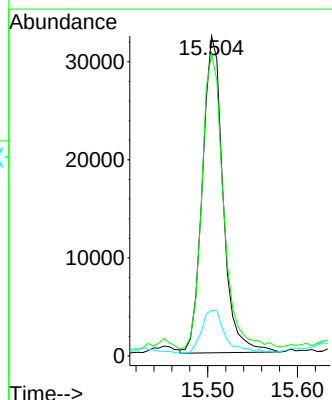
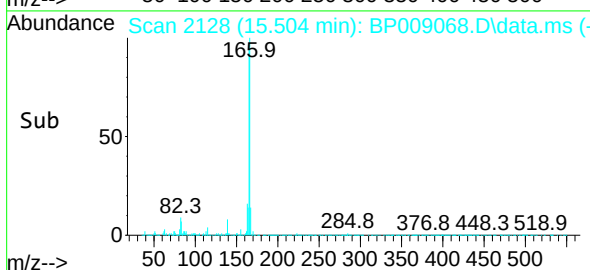
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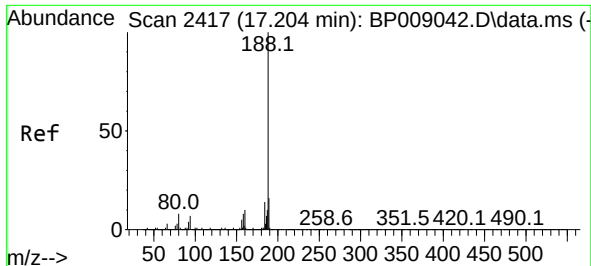


#58
Fluorene
Concen: 2.191 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.006 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31



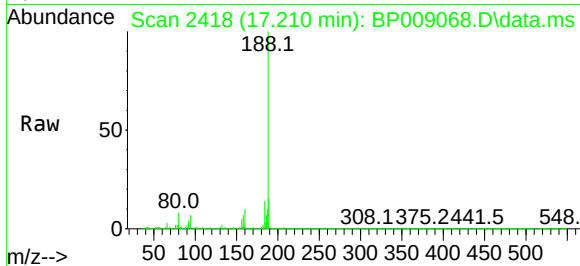
Tgt Ion:166 Resp: 51603
Ion Ratio Lower Upper
166 100
165 94.5 77.2 115.8
167 14.2 11.2 16.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2417
Delta R.T. 0.006 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31

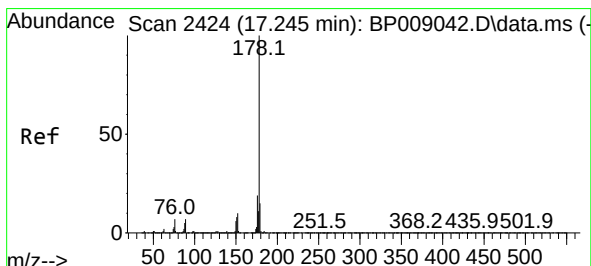
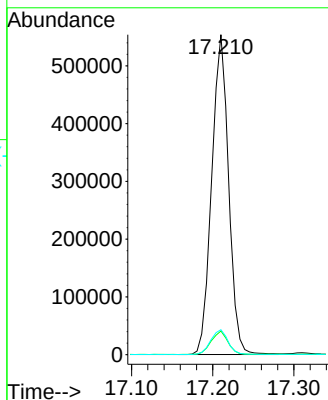
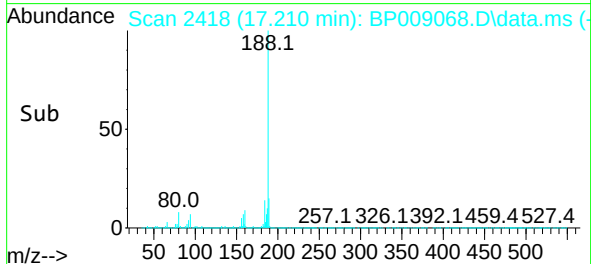
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BNA_P
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CL-02-020422



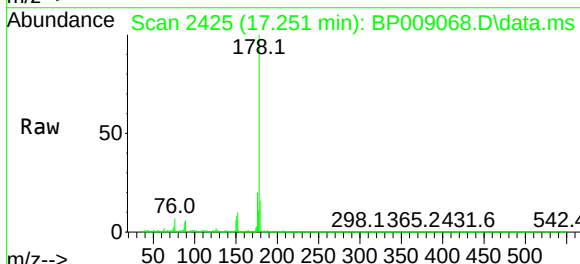
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Ion Ratio Lower Upper
188 100
94 7.4 6.8 10.2
80 7.8 7.2 10.8

Manual Integrations
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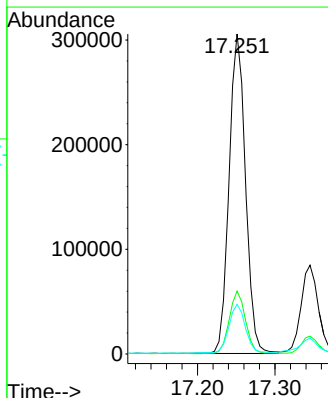
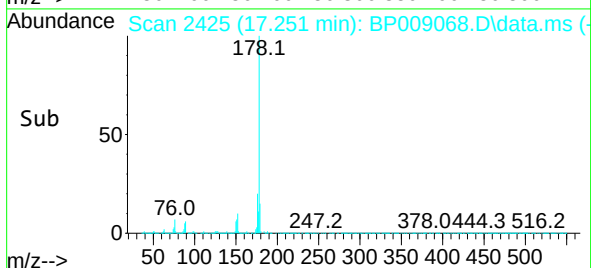
Reviewed By :Christian Giraldo 02/09/2022
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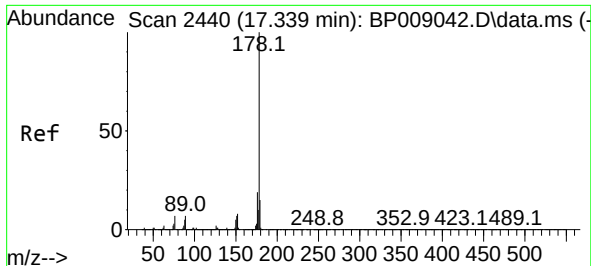


#71
Phenanthrene
Concen: 10.386 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31



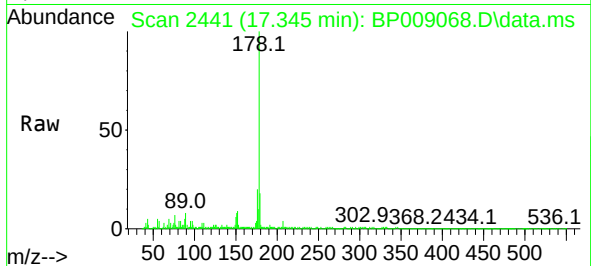
Tgt Ion:178 Resp: 450578
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.5 13.0 19.4





#72
 Anthracene
 Concen: 2.977 ng
 RT: 17.345 min Scan# 2440
 Delta R.T. 0.006 min
 Lab File: BP009068.D
 Acq: 08 Feb 2022 20:31

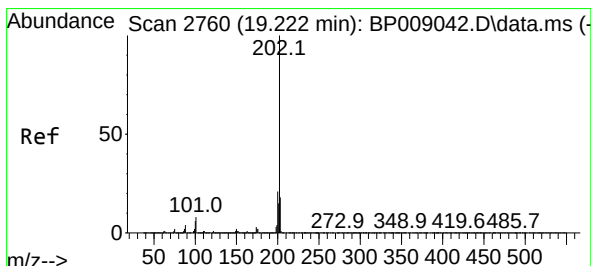
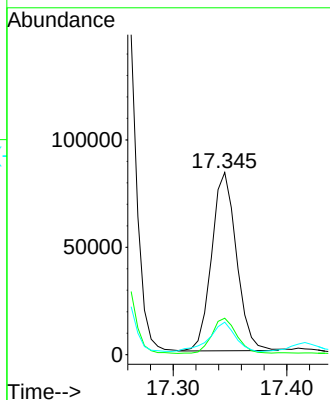
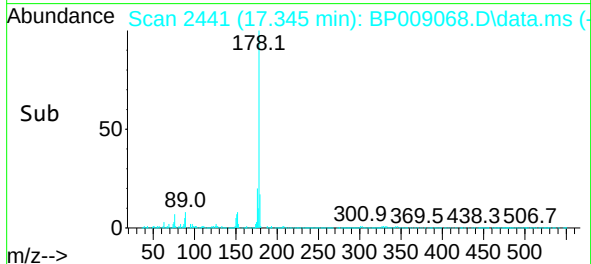
Instrument :
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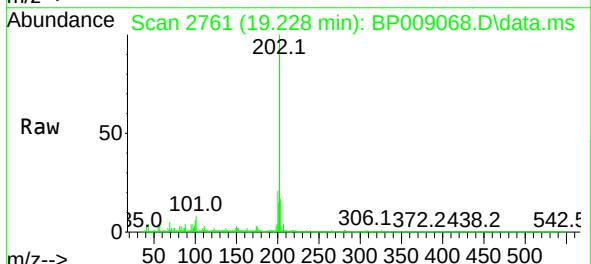
Tgt Ion:178 Resp: 126370
 Ion Ratio Lower Upper
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 176 20.0 15.1 22.7
 179 17.8 12.8 19.2

Manual Integrations
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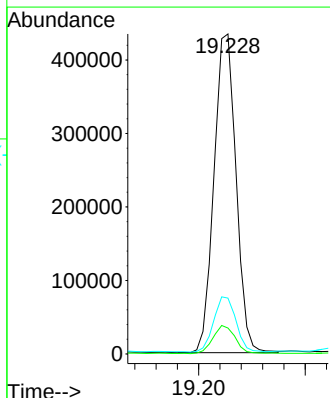
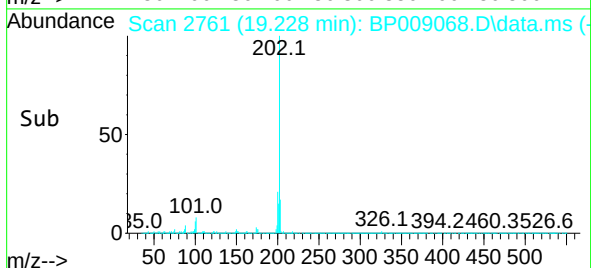
Reviewed By :Christian Giraldo 02/09/2022
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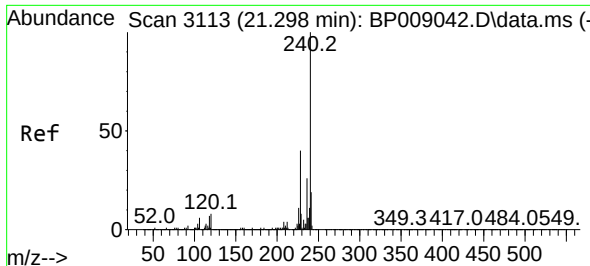


#75
 Fluoranthene
 Concen: 12.823 ng
 RT: 19.228 min Scan# 2761
 Delta R.T. 0.006 min
 Lab File: BP009068.D
 Acq: 08 Feb 2022 20:31



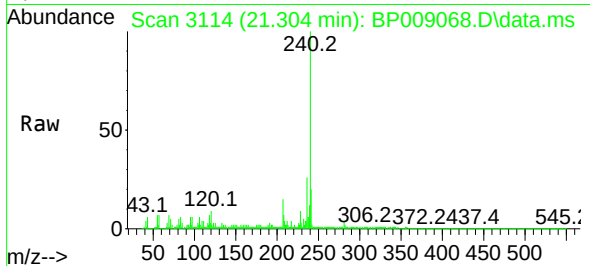
Tgt Ion:202 Resp: 623498
 Ion Ratio Lower Upper
 202 100
 101 8.1 0.0 30.7
 203 17.5 0.0 38.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.304 min Scan# 3113
Delta R.T. 0.006 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31

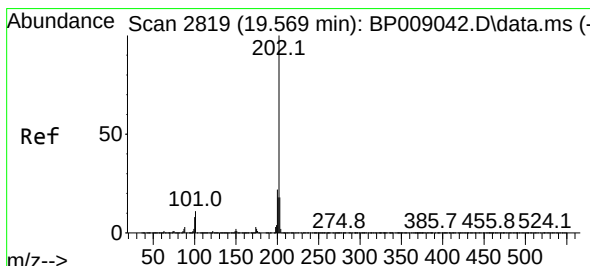
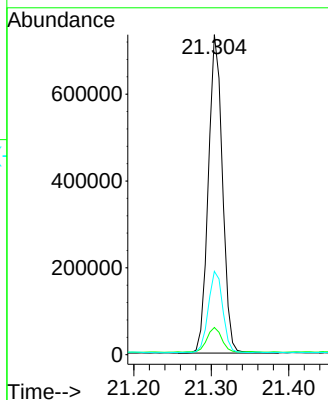
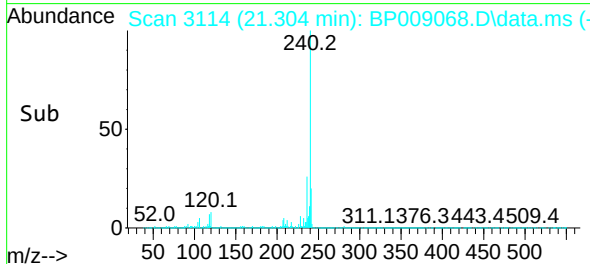
Instrument :
BNA_P
ClientSampleId :
CL-02-020422



Tgt Ion:240 Resp: 92785
Ion Ratio Lower Upper
240 100
120 8.5 7.7 11.5
236 26.1 21.2 31.8

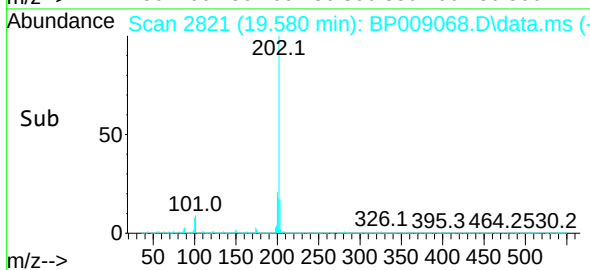
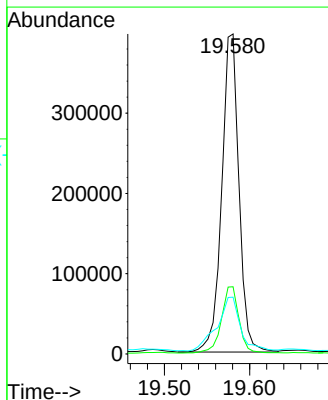
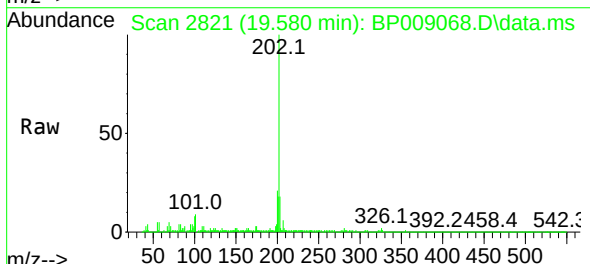
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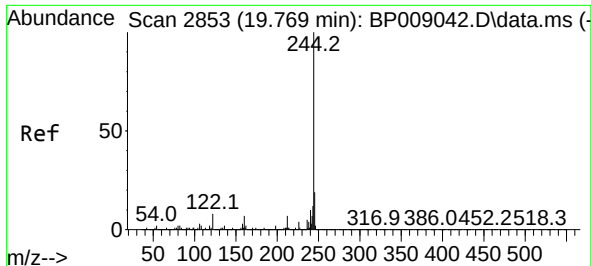
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :mohammad ahmed 02/15/2022



#78
Pyrene
Concen: 8.435 ng
RT: 19.580 min Scan# 2821
Delta R.T. 0.012 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31

Tgt Ion:202 Resp: 556768
Ion Ratio Lower Upper
202 100
200 21.0 18.0 27.0
203 17.8 15.0 22.6





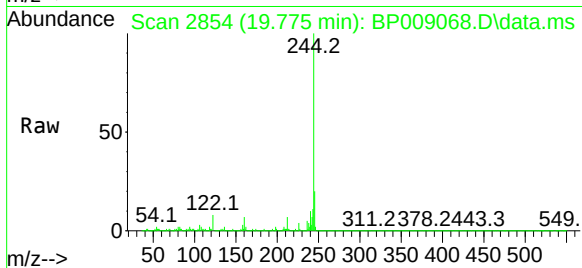
#79
 Terphenyl-d14
 Concen: 67.011 ng
 RT: 19.775 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP009068.D
 Acq: 08 Feb 2022 20:31

Instrument :

BNA_P

ClientSampleId :

CL-02-020422

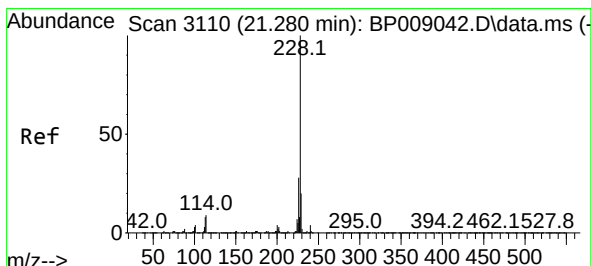
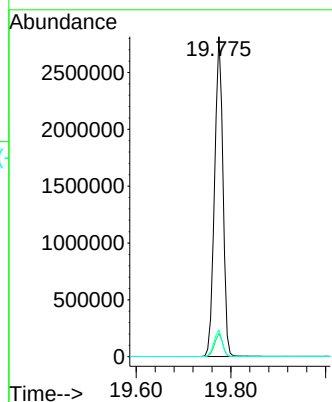


Tgt Ion:244 Resp: 3457484
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 8.3 9.2 13.8

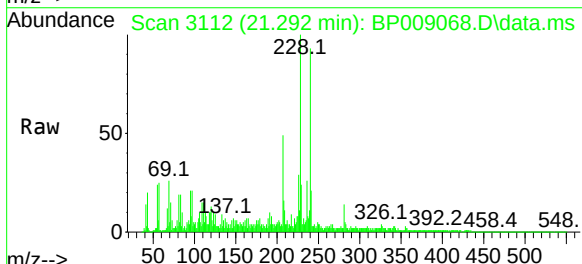
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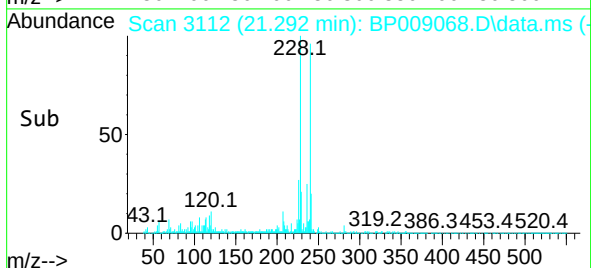
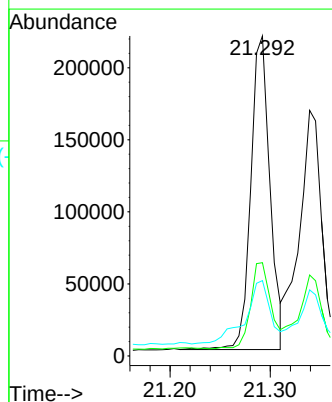
Reviewed By :Christian Giraldo 02/09/2022
 Supervised By :mohammad ahmed 02/15/2022

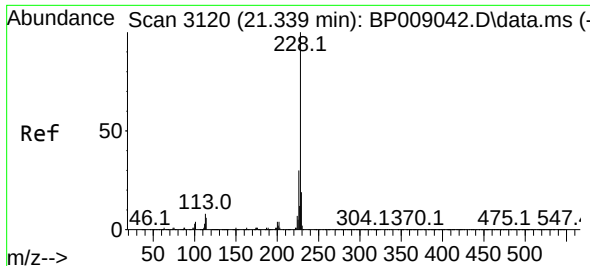


#81
 Benzo(a)anthracene
 Concen: 4.826 ng
 RT: 21.292 min Scan# 3112
 Delta R.T. 0.012 min
 Lab File: BP009068.D
 Acq: 08 Feb 2022 20:31



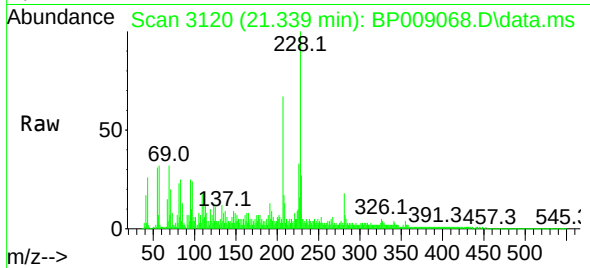
Tgt Ion:228 Resp: 288586
 Ion Ratio Lower Upper
 228 100
 226 29.2 23.3 34.9
 229 23.5 17.0 25.6





#83
Chrysene
Concen: 4.464 ng m
RT: 21.339 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31

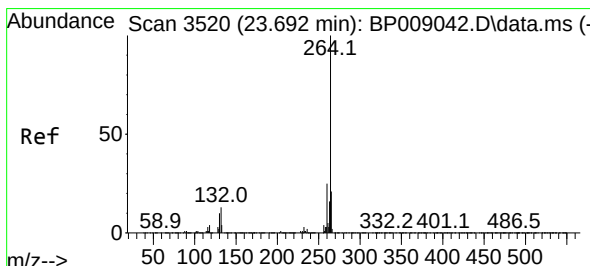
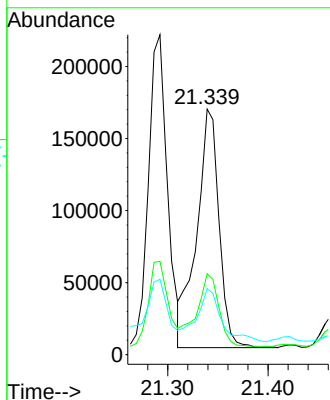
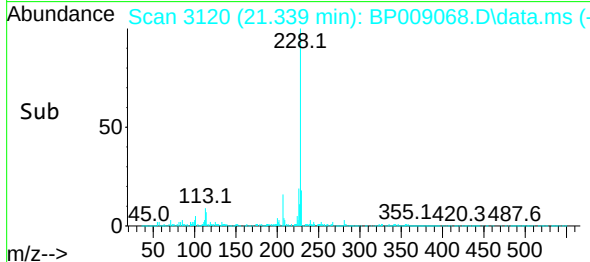
Instrument :
BNA_P
ClientSampleId :
CL-02-020422



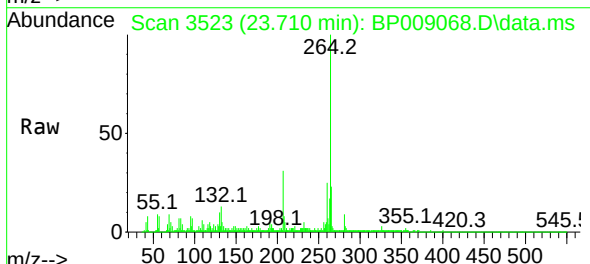
Tgt Ion:228 Resp: 257310
Ion Ratio Lower Upper
228 100
226 32.9 26.0 39.0
229 26.9 16.9 25.3

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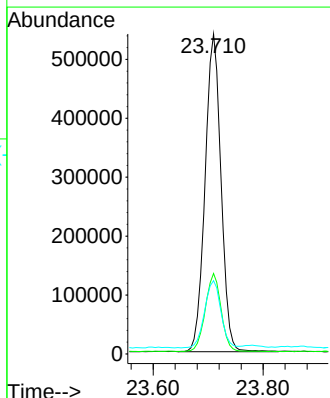
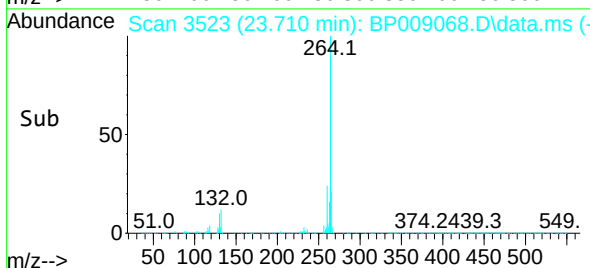
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :mohammad ahmed 02/15/2022

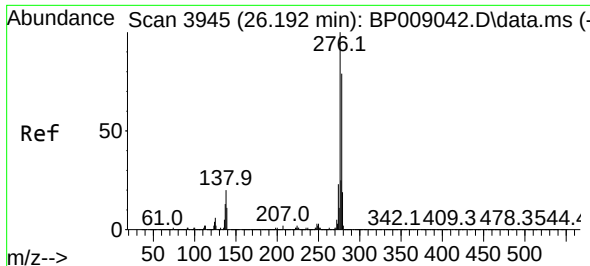


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.710 min Scan# 3523
Delta R.T. 0.018 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31



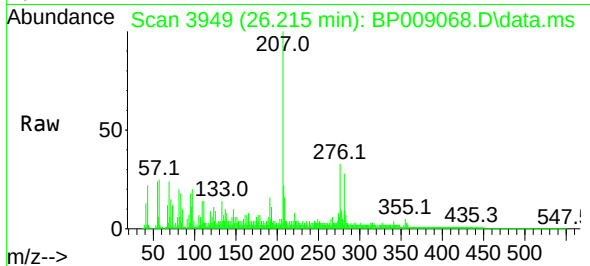
Tgt Ion:264 Resp: 1085922
Ion Ratio Lower Upper
264 100
260 25.1 19.1 28.7
265 22.9 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.091 ng
RT: 26.215 min Scan# 3949
Delta R.T. 0.024 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31

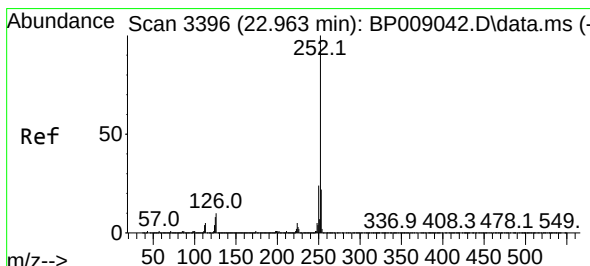
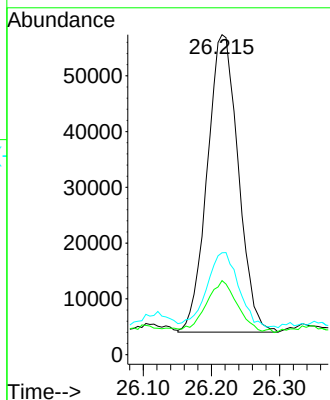
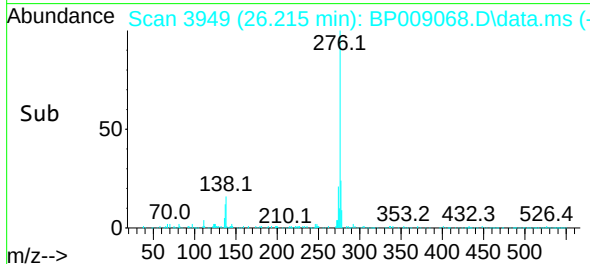
Instrument :
BNA_P
ClientSampleId :
CL-02-020422



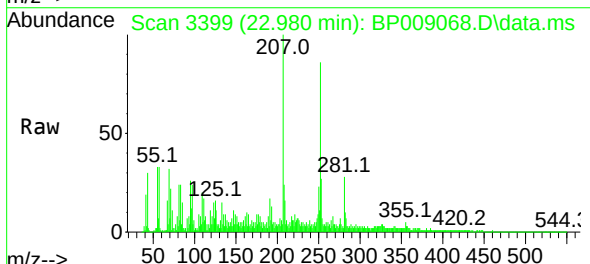
Tgt Ion: 276 Resp: 168709
Ion Ratio Lower Upper
276 100
138 16.5 17.8 26.6
277 25.4 20.4 30.6

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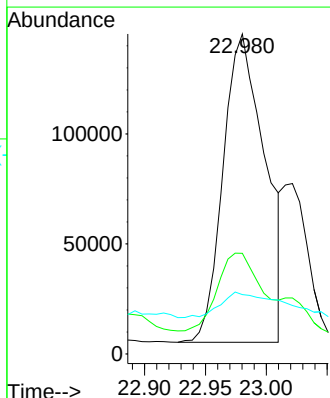
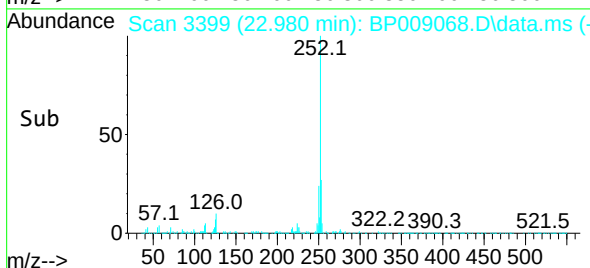
Reviewed By : Christian Giraldo 02/09/2022
Supervised By : mohammad ahmed 02/15/2022

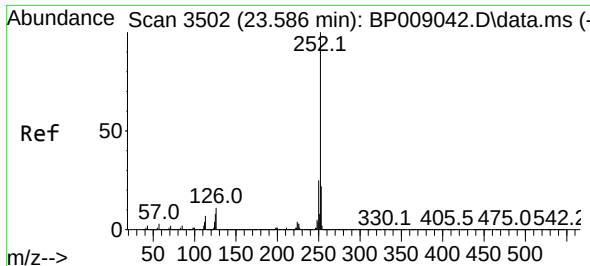


#88
Benzo(b)fluoranthene
Concen: 5.015 ng
RT: 22.980 min Scan# 3399
Delta R.T. 0.018 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31



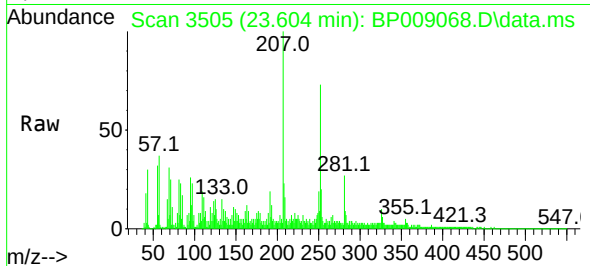
Tgt Ion: 252 Resp: 335234
Ion Ratio Lower Upper
252 100
253 31.5 18.0 27.0#
125 18.6 6.9 10.3#





#90
Benzo(a)pyrene
Concen: 4.577 ng
RT: 23.604 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31

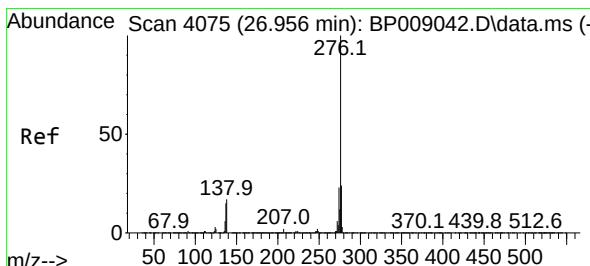
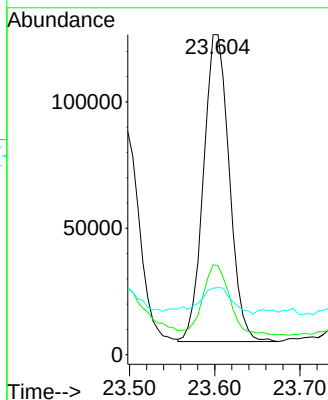
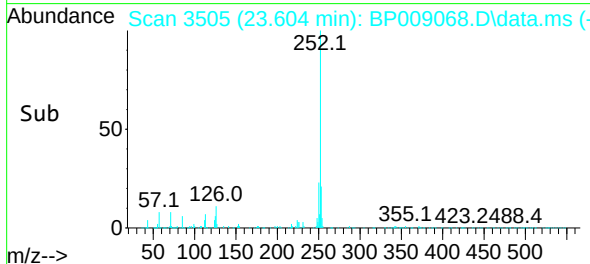
Instrument :
BNA_P
ClientSampleId :
CL-02-020422



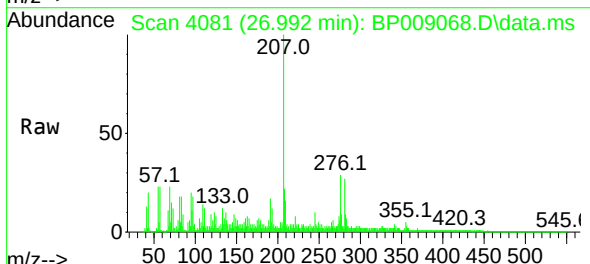
Tgt Ion: 252 Resp: 25510
Ion Ratio Lower Upper
252 100
253 27.8 17.8 26.8
125 21.0 7.8 11.6

Manual Integrations
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Reviewed By : Christian Giraldo 02/09/2022
Supervised By : mohammad ahmed 02/15/2022



#92
Benzo(g,h,i)perylene
Concen: 2.538 ng
RT: 26.992 min Scan# 4081
Delta R.T. 0.035 min
Lab File: BP009068.D
Acq: 08 Feb 2022 20:31



Tgt Ion: 276 Resp: 167531
Ion Ratio Lower Upper
276 100
277 31.2 19.2 28.8
138 21.6 15.0 22.4

