

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020922\
 Data File : BP009083.D
 Acq On : 09 Feb 2022 18:03
 Operator : CG/JU
 Sample : N1432-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP-2

Manual Integrations
 APPROVED

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

Quant Time: Feb 10 01:44:28 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	7.799	152	250855	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	1019116	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	717575	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1561028	20.000	ng	0.00
76) Chrysene-d12	21.304	240	1420964	20.000	ng	# 0.00
86) Perylene-d12	23.704	264	1262925	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1388034	98.702	ng	0.00
7) Phenol-d6	6.993	99	1772133	95.635	ng	0.00
23) Nitrobenzene-d5	8.963	82	1112349	61.553	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	1216220	126.942	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	3212315	62.668	ng	0.00
79) Terphenyl-d14	19.769	244	4943953	62.569	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.963	122	3420m	3.052	ng	
38) 1-Methylnaphthalene	12.487	142	129593	3.606	ng	98
49) Acenaphthylene	14.169	152	385845	6.109	ng	99
58) Fluorene	15.498	166	123850	2.490	ng	97
71) Phenanthrene	17.251	178	3017977	35.705	ng	99
72) Anthracene	17.339	178	330957	4.002	ng	99
75) Fluoranthene	19.222	202	2395852	25.290	ng	97
78) Pyrene	19.575	202	4045762	40.024	ng	99
81) Benzo(a)anthracene	21.286	228	896381	9.789	ng	96
83) Chrysene	21.339	228	1211876	13.728	ng	100
87) Indeno(1,2,3-cd)pyrene	26.204	276	574486	6.122	ng	# 92
88) Benzo(b)fluoranthene	22.974	252	1132303m	14.564	ng	
89) Benzo(k)fluoranthene	23.010	252	340054m	4.384	ng	
90) Benzo(a)pyrene	23.598	252	883517	13.630	ng	97
92) Benzo(g,h,i)perylene	26.968	276	678031	8.831	ng	98

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

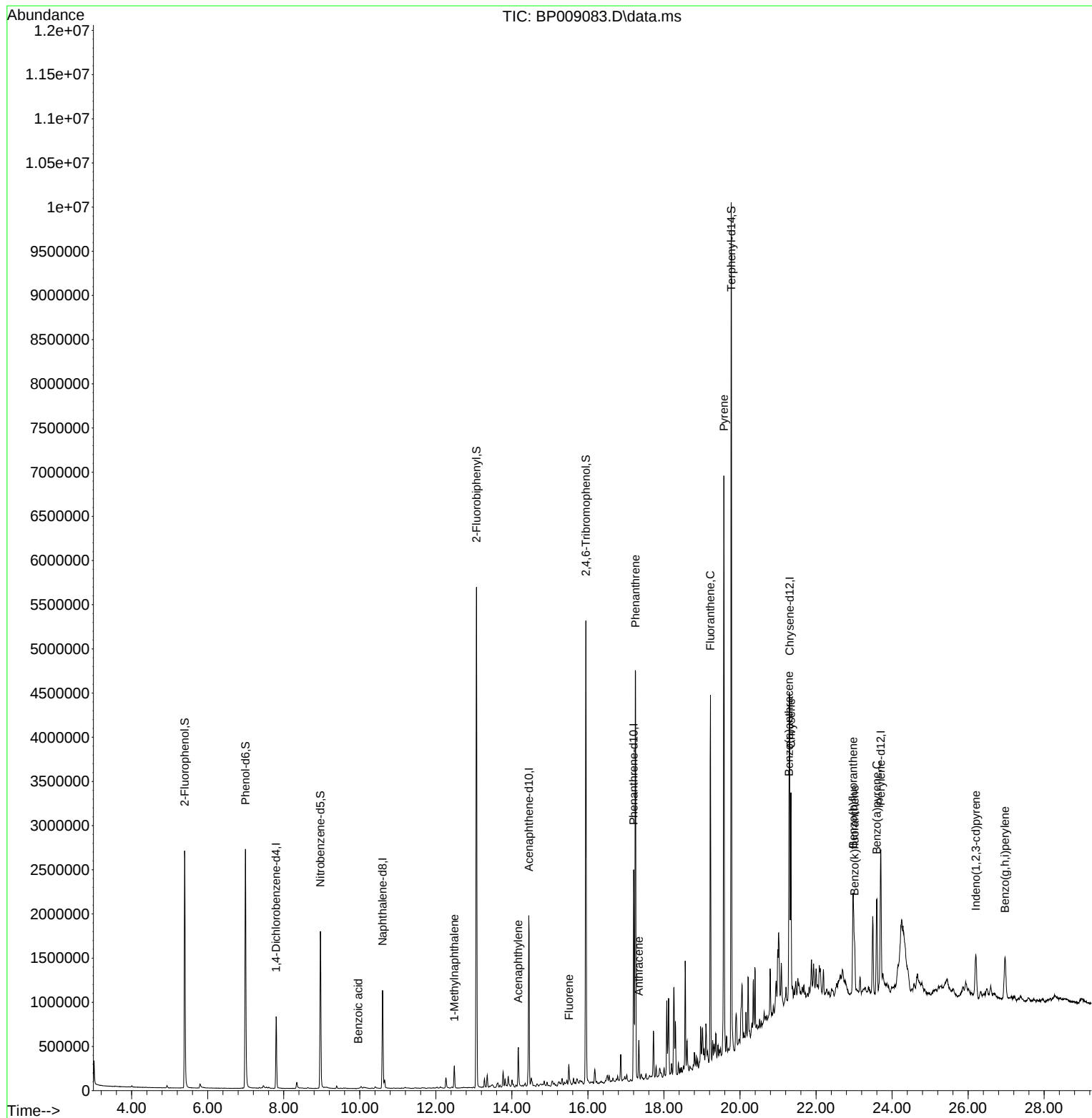
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020922\
Data File : BP009083.D
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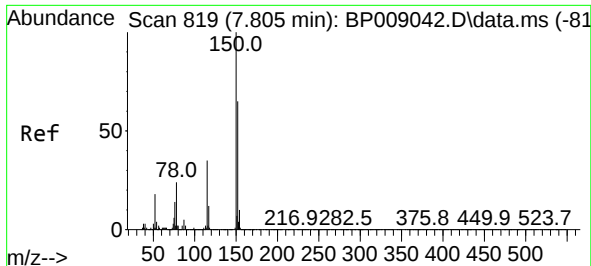
Instrument :
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Quant Time: Feb 10 01:44:28 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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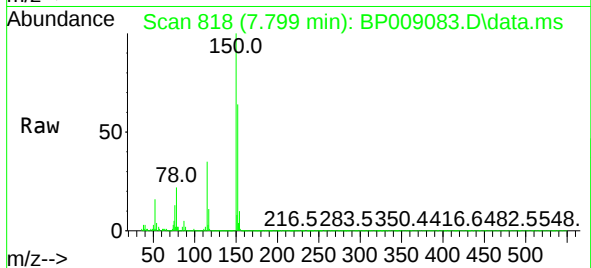
Reviewed By : Christian Giraldo 02/10/2022
Supervised By : Jagrut Upadhyay 02/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 819
Delta R.T. -0.006 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03

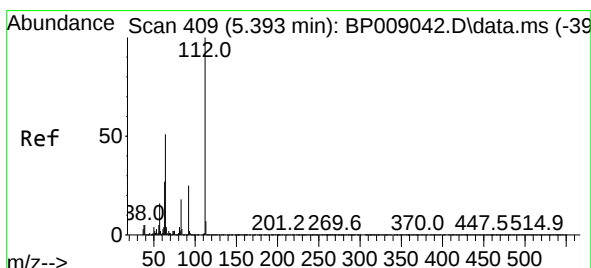
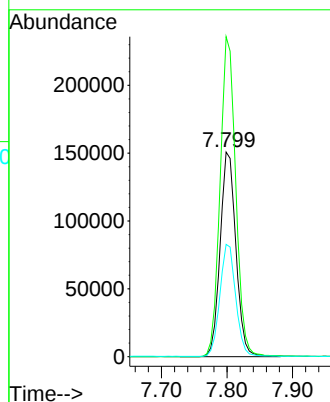
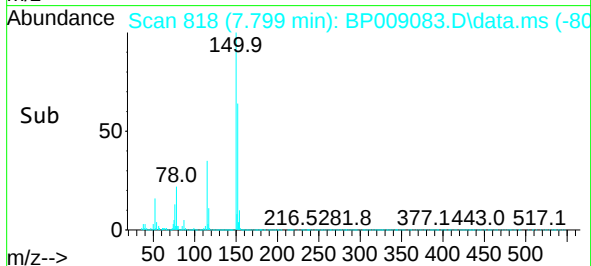
Instrument :
BNA_P
ClientSampleId :
SP-2



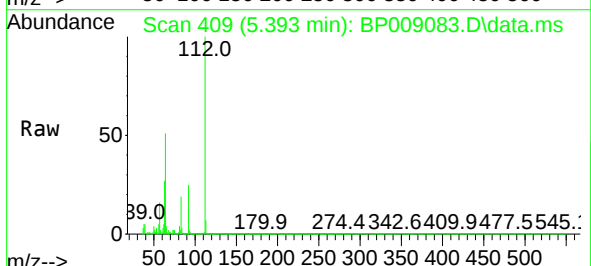
Tgt Ion:152 Resp: 25085
Ion Ratio Lower Upper
152 100
150 156.3 127.0 190.6
115 54.9 43.7 65.5

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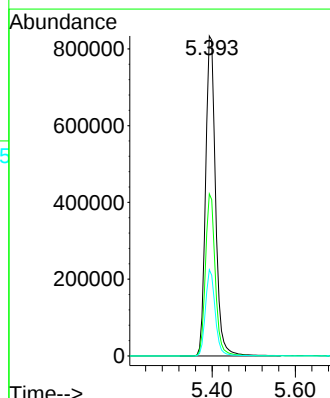
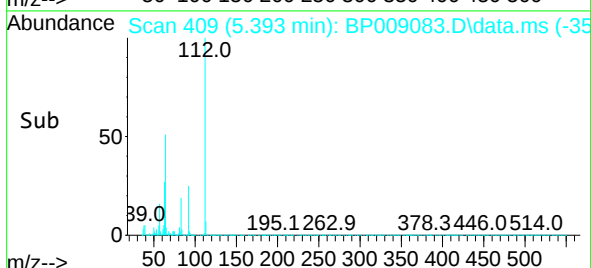
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

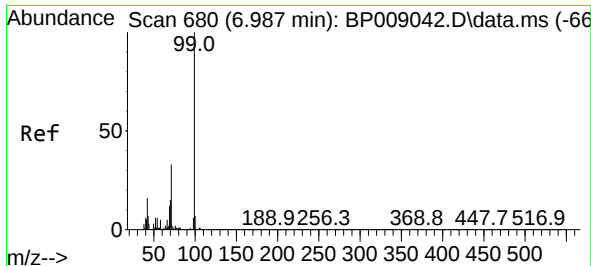


#5
2-Fluorophenol
Concen: 98.702 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03



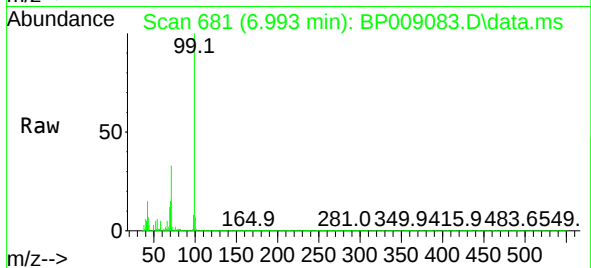
Tgt Ion:112 Resp: 1388034
Ion Ratio Lower Upper
112 100
64 50.7 39.7 59.5
63 26.9 20.0 30.0





#7
Phenol-d6
Concen: 95.635 ng
RT: 6.993 min Scan# 680
Delta R.T. 0.006 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03

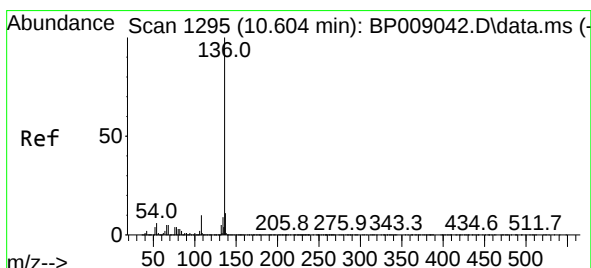
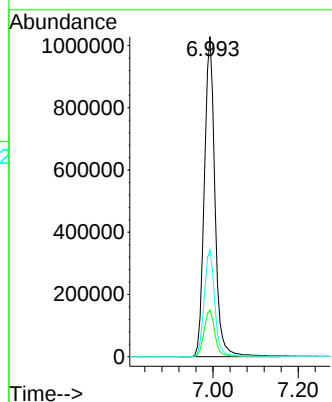
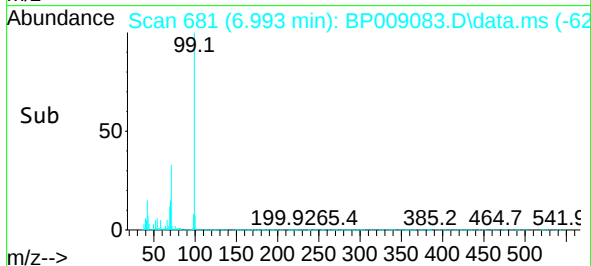
Instrument :
BNA_P
ClientSampleId :
SP-2



Tgt Ion: 99 Resp: 177213
Ion Ratio Lower Upper
99 100
42 14.6 10.8 16.2
71 33.4 23.8 35.6

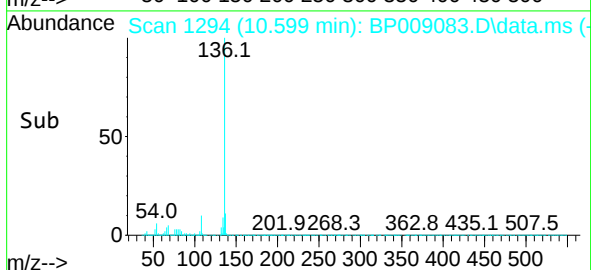
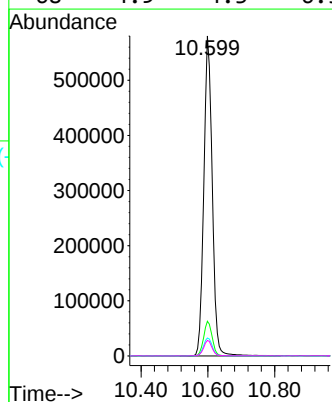
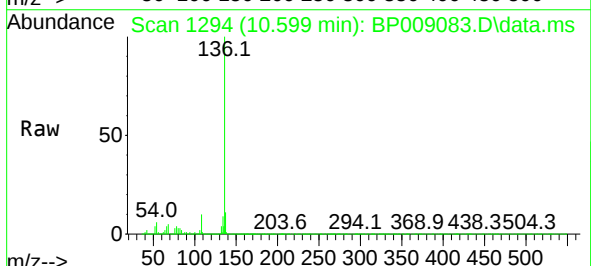
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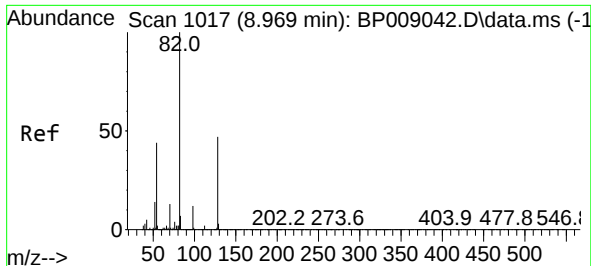
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.005 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03

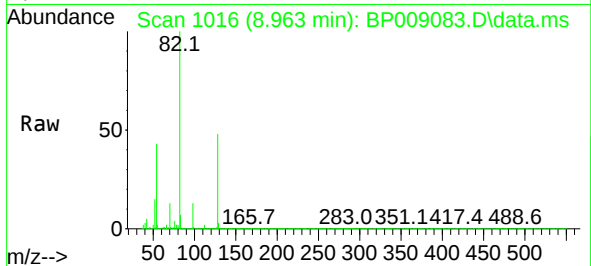
Tgt Ion:136 Resp: 1019116
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 5.6 4.9 7.3
68 4.9 4.3 6.5





#23
Nitrobenzene-d5
Concen: 61.553 ng
RT: 8.963 min Scan# 1112349
Delta R.T. -0.006 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03

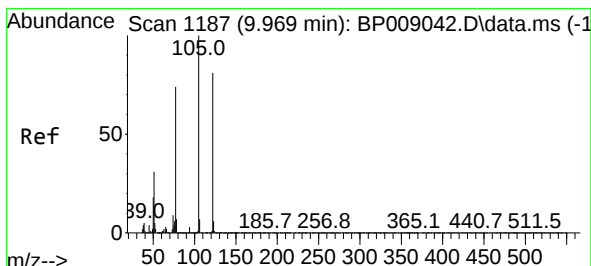
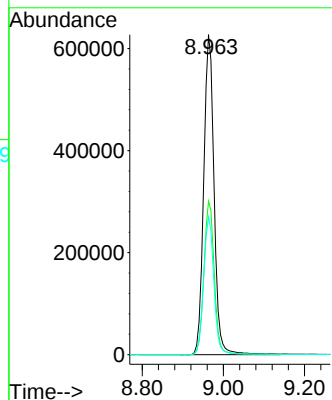
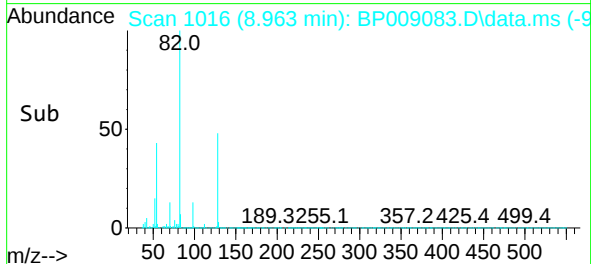
Instrument :
BNA_P
ClientSampleId :
SP-2



Tgt Ion: 82 Resp: 1112349
Ion Ratio Lower Upper
82 100
128 48.0 39.4 59.2
54 43.1 32.6 48.8

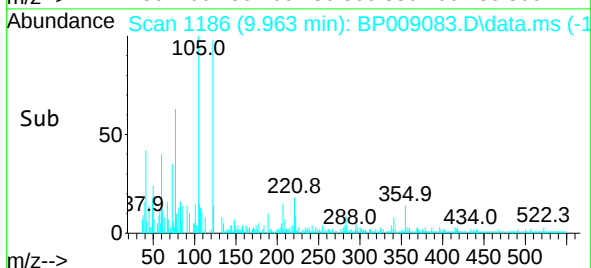
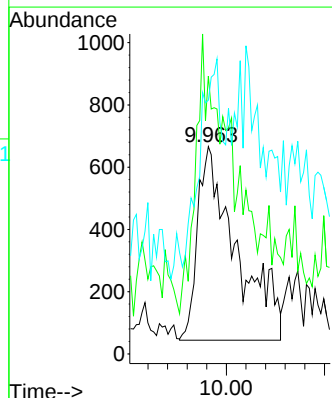
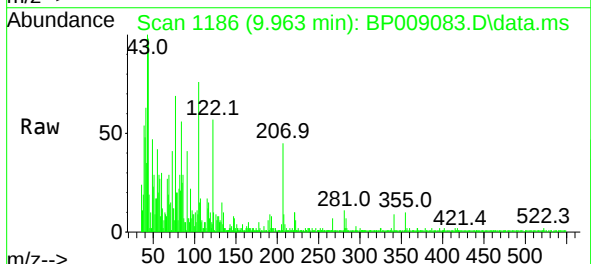
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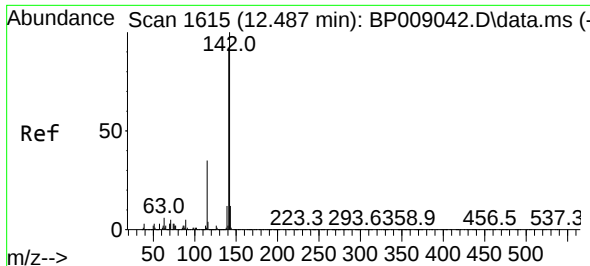
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#32
Benzoic acid
Concen: 3.052 ng m
RT: 9.963 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03

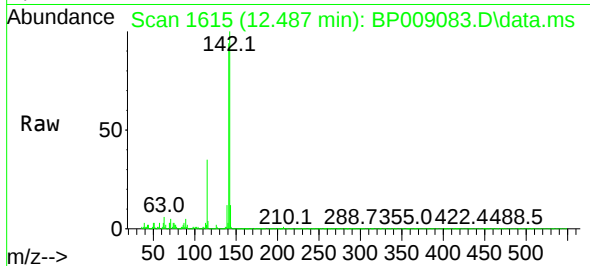
Tgt Ion:122 Resp: 3420
Ion Ratio Lower Upper
122 100
105 134.1 100.1 140.1
77 122.4 65.5 105.5#





#38
1-Methylnaphthalene
Concen: 3.606 ng
RT: 12.487 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03

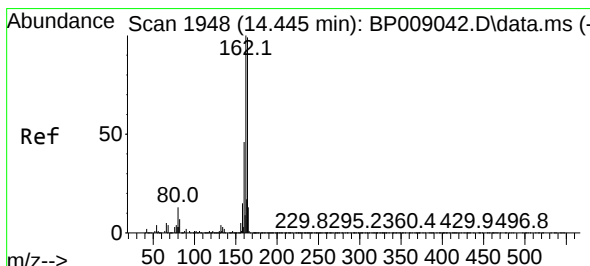
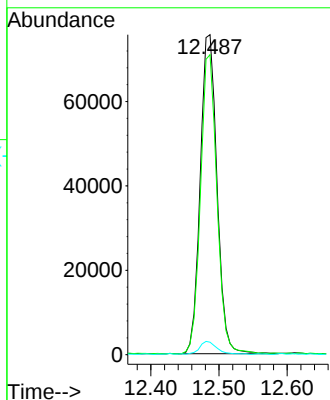
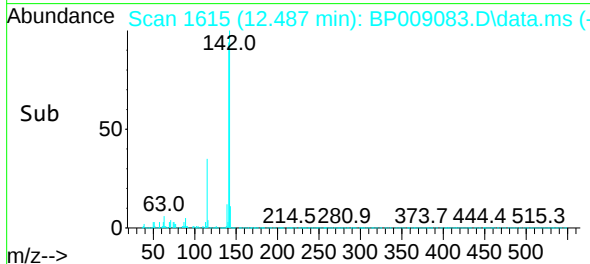
Instrument :
BNA_P
ClientSampleId :
SP-2



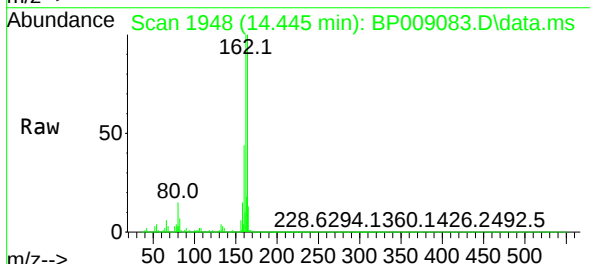
Tgt Ion:142 Resp: 12959
Ion Ratio Lower Upper
142 100
141 93.8 73.2 109.8
116 3.9 2.7 4.1

Manual Integrations
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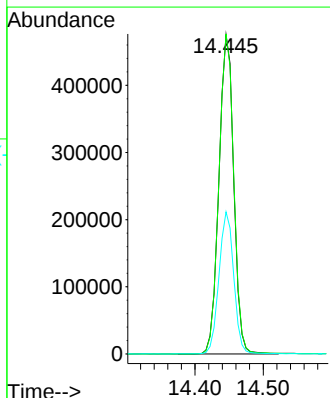
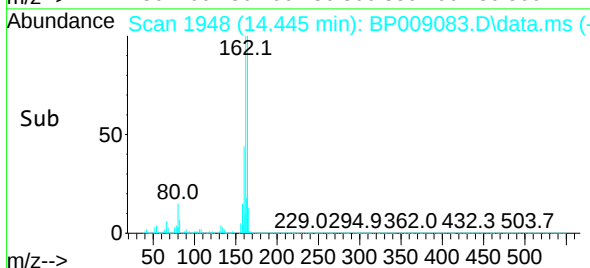
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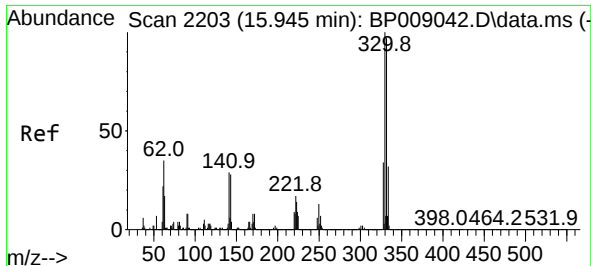


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03



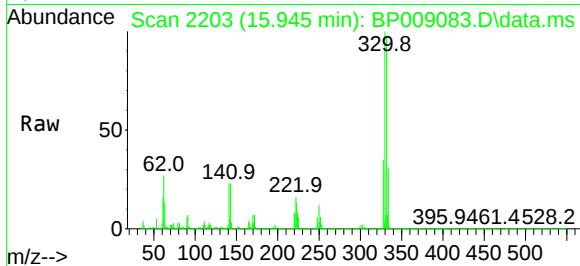
Tgt Ion:164 Resp: 717575
Ion Ratio Lower Upper
164 100
162 100.2 79.9 119.9
160 44.5 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 126.942 ng
RT: 15.945 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03

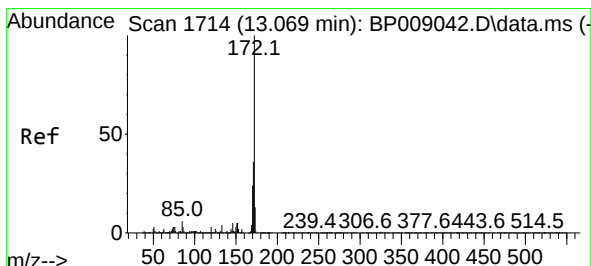
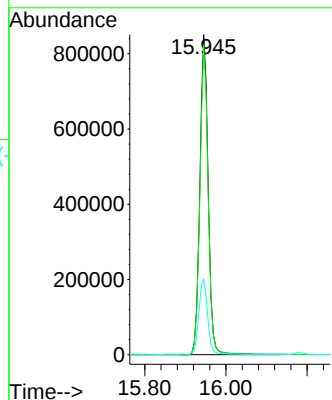
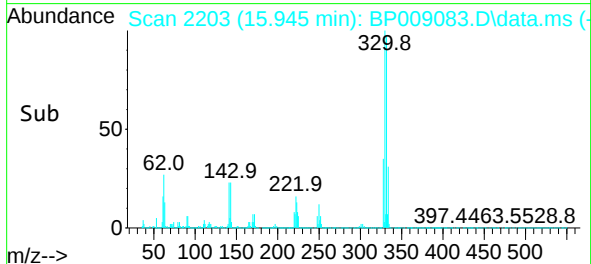
Instrument :
BNA_P
ClientSampleId :
SP-2



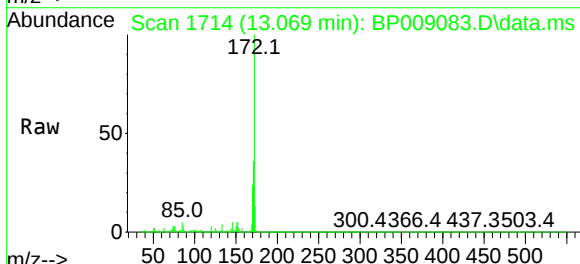
Tgt Ion:330 Resp: 1216220
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.4
141 24.5 21.3 31.9

Manual Integrations
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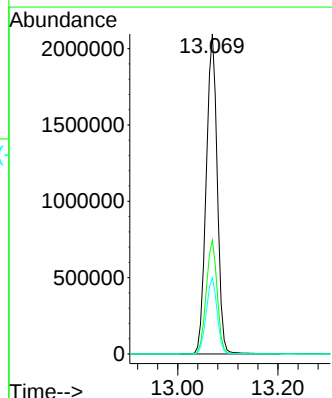
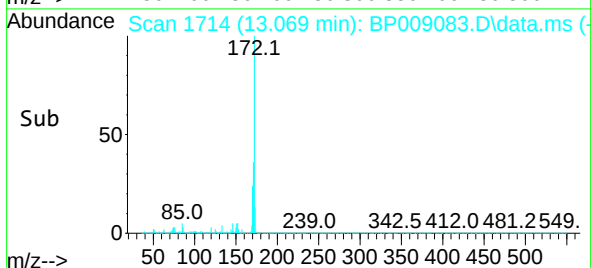
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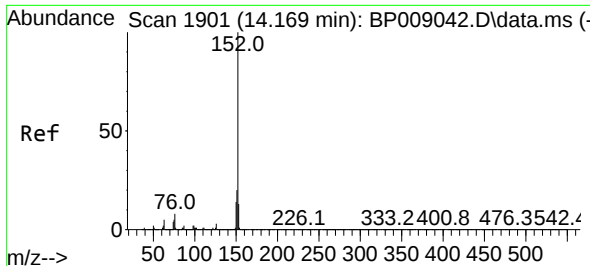


#45
2-Fluorobiphenyl
Concen: 62.668 ng
RT: 13.069 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03



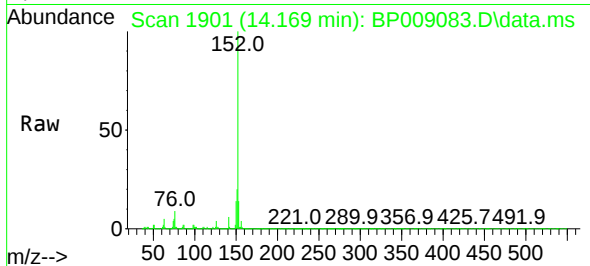
Tgt Ion:172 Resp: 3212315
Ion Ratio Lower Upper
172 100
171 35.5 29.3 43.9
170 23.8 19.5 29.3





#49
Acenaphthylene
Concen: 6.109 ng
RT: 14.169 min Scan# 1901
Delta R.T. 0.000 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03

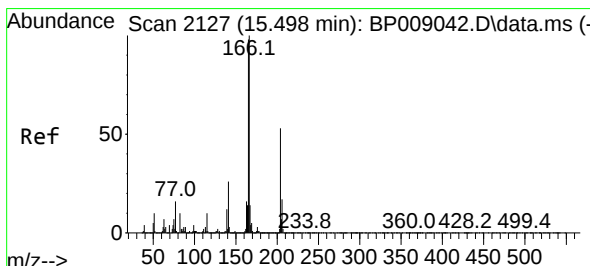
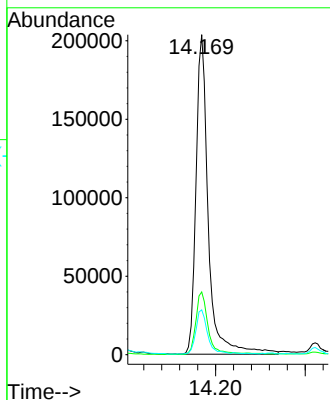
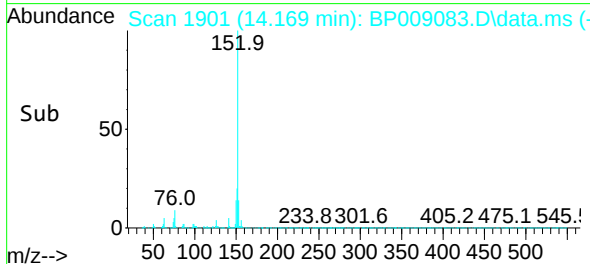
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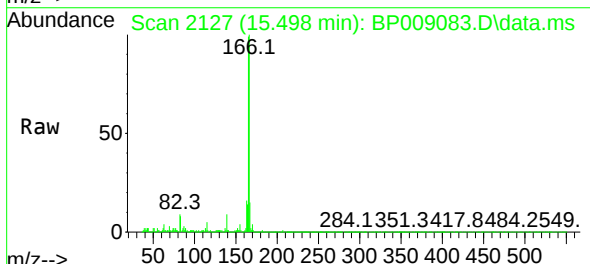
Tgt Ion:152 Resp: 38584
Ion Ratio Lower Upper
152 100
151 19.6 16.1 24.1
153 14.0 10.6 16.0

Manual Integrations
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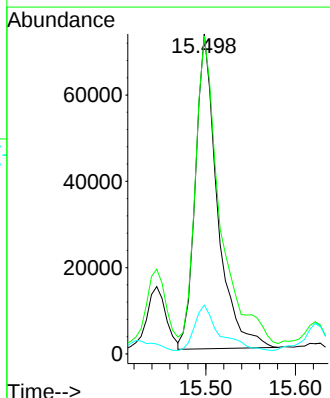
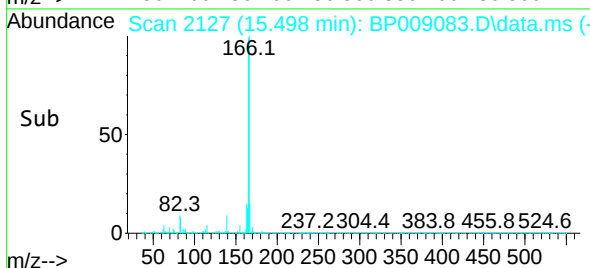
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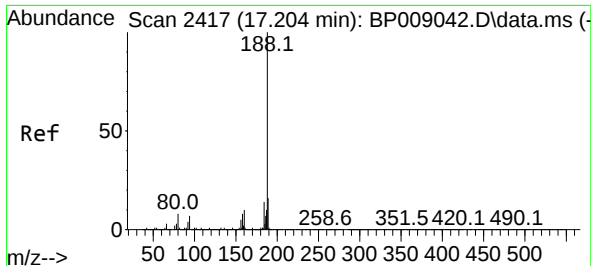


#58
Fluorene
Concen: 2.490 ng
RT: 15.498 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03



Tgt Ion:166 Resp: 123850
Ion Ratio Lower Upper
166 100
165 99.3 77.2 115.8
167 15.2 11.2 16.8





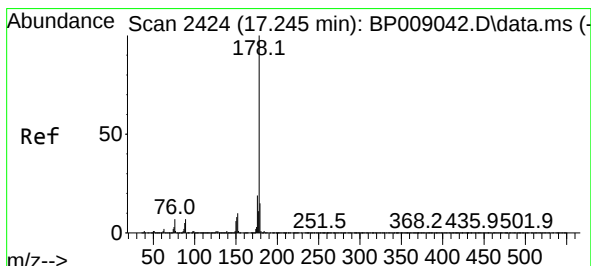
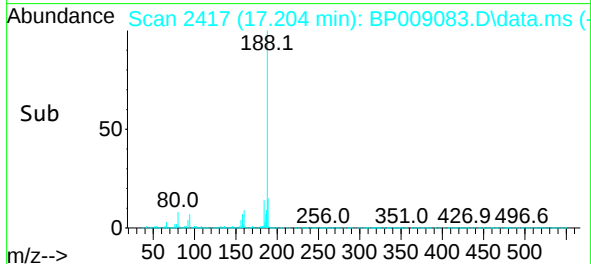
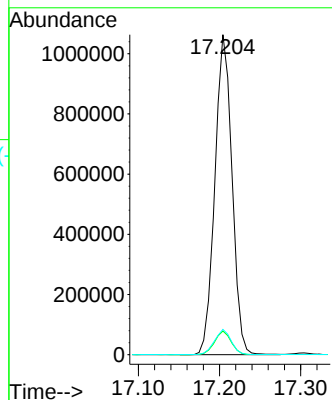
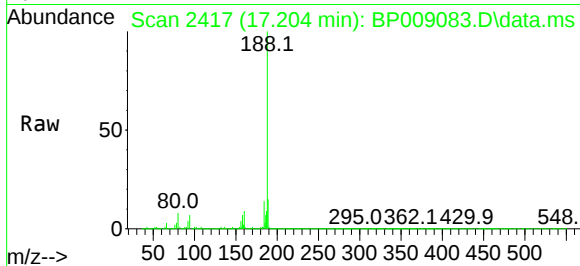
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03

Instrument :
BNA_P
ClientSampleId :
SP-2

Tgt Ion:188 Resp: 1561028
Ion Ratio Lower Upper
188 100
94 7.4 6.8 10.2
80 7.9 7.2 10.8

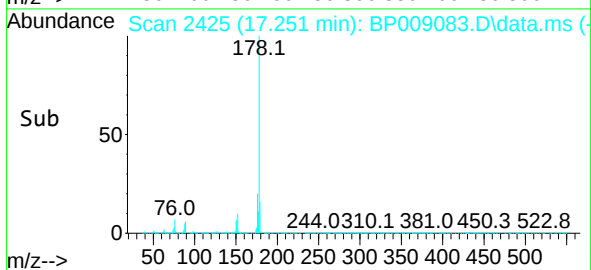
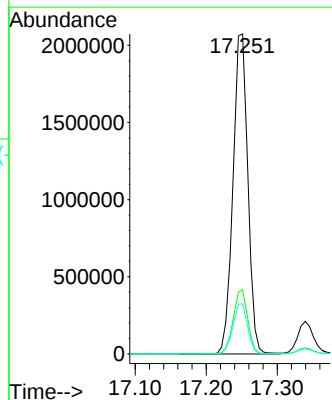
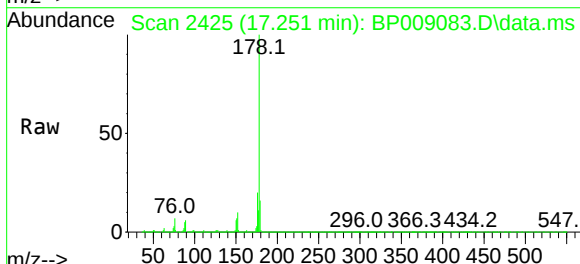
Manual Integrations
APPROVED

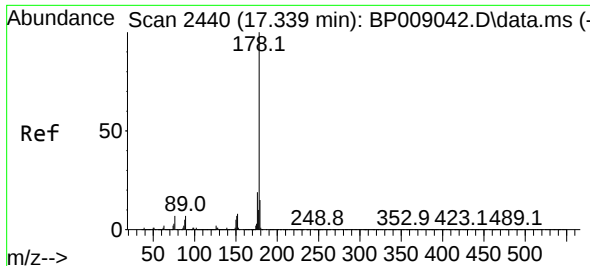
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#71
Phenanthrene
Concen: 35.705 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03

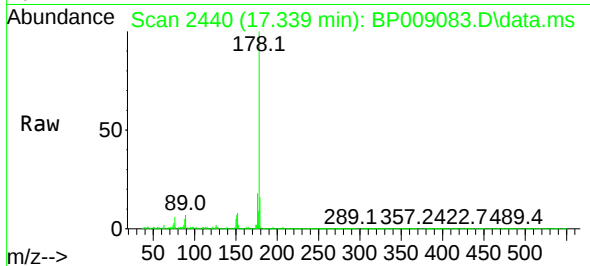
Tgt Ion:178 Resp: 3017977
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.7 13.0 19.4





#72
 Anthracene
 Concen: 4.002 ng
 RT: 17.339 min Scan# 2440
 Delta R.T. 0.000 min
 Lab File: BP009083.D
 Acq: 09 Feb 2022 18:03

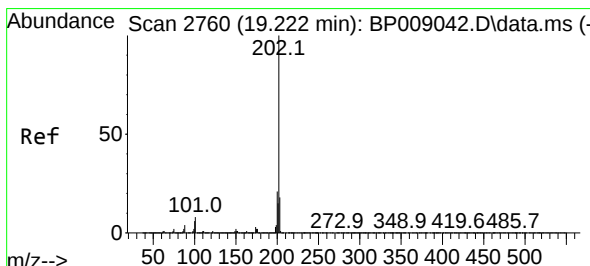
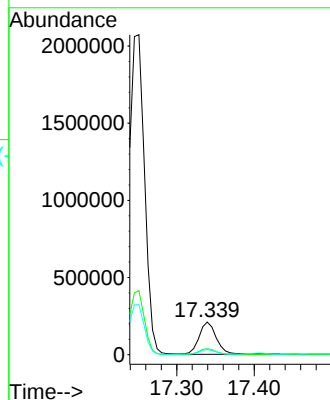
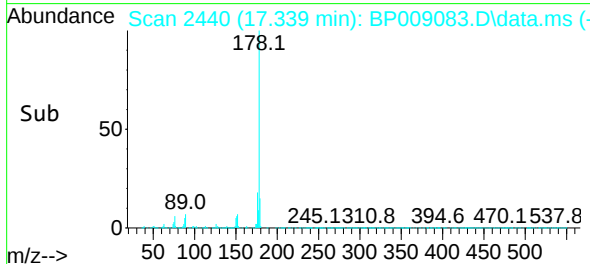
Instrument :
 BNA_P
 ClientSampleId :
 SP-2



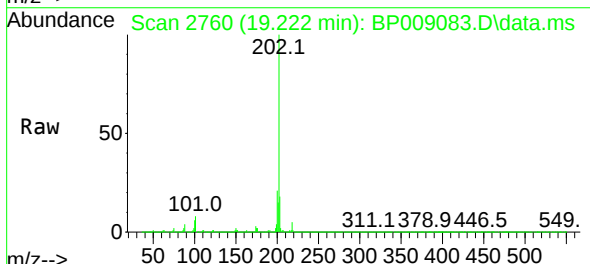
Tgt Ion:178 Resp: 33095
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.1 22.7
 179 15.6 12.8 19.2

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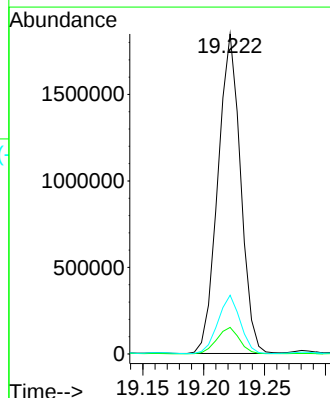
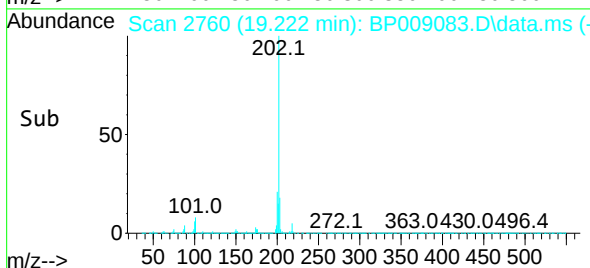
Reviewed By :Christian Giraldo 02/10/2022
 Supervised By :Jagrut Upadhyay 02/11/2022

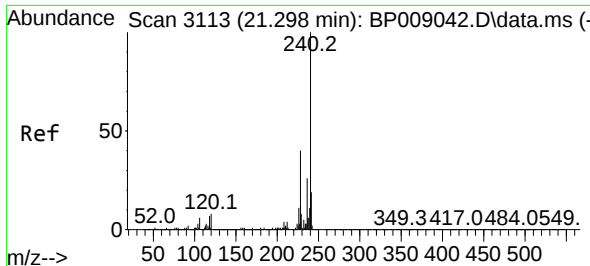


#75
 Fluoranthene
 Concen: 25.290 ng
 RT: 19.222 min Scan# 2760
 Delta R.T. 0.000 min
 Lab File: BP009083.D
 Acq: 09 Feb 2022 18:03



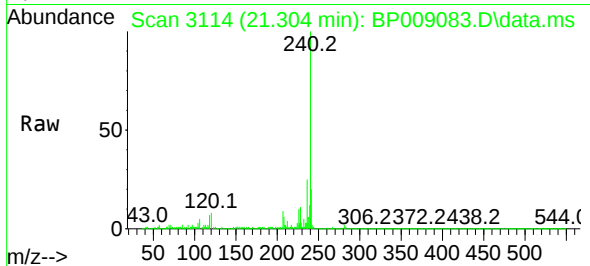
Tgt Ion:202 Resp: 2395852
 Ion Ratio Lower Upper
 202 100
 101 8.3 0.0 30.7
 203 18.4 0.0 38.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.304 min Scan# 3113
Delta R.T. 0.006 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03

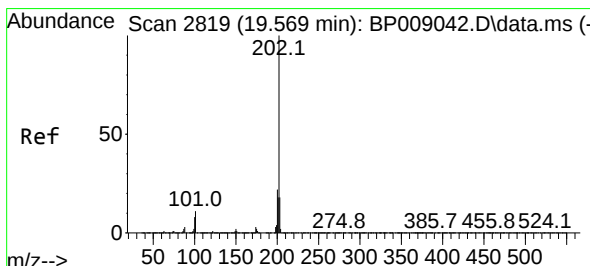
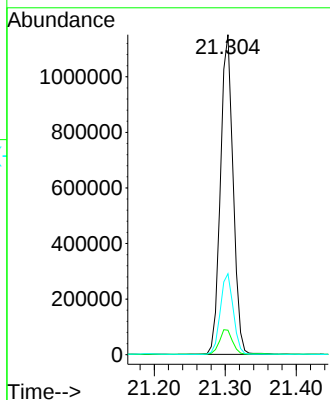
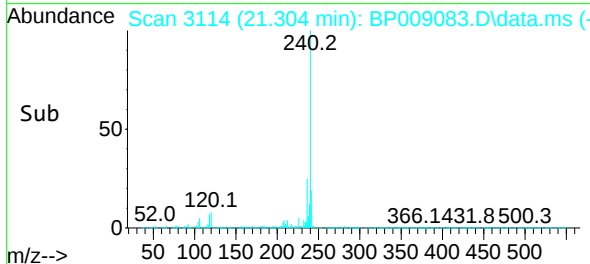
Instrument :
BNA_P
ClientSampleId :
SP-2



Tgt Ion:240 Resp: 1420964
Ion Ratio Lower Upper
240 100
120 7.7 7.7 11.5
236 25.3 21.2 31.8

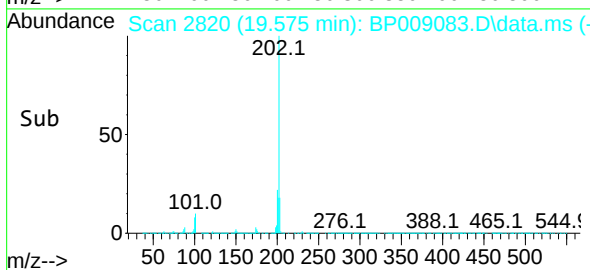
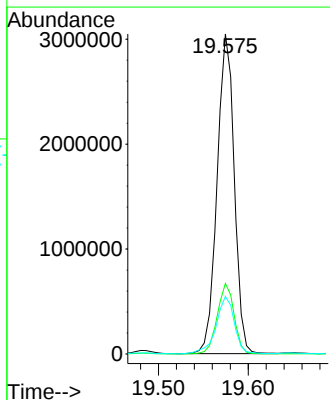
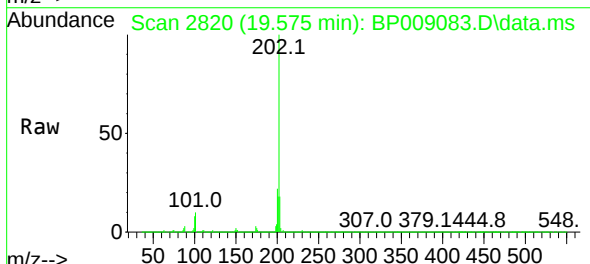
Manual Integrations
APPROVED

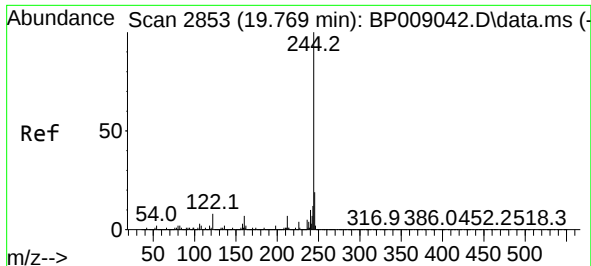
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#78
Pyrene
Concen: 40.024 ng
RT: 19.575 min Scan# 2820
Delta R.T. 0.006 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03

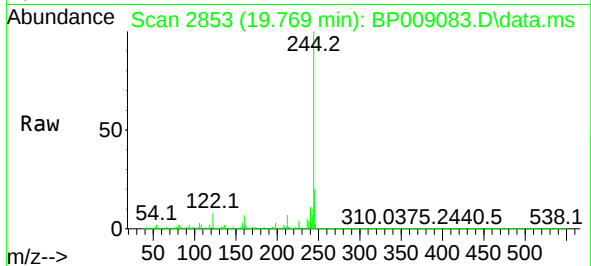
Tgt Ion:202 Resp: 4045762
Ion Ratio Lower Upper
202 100
200 22.0 18.0 27.0
203 18.0 15.0 22.6





#79
 Terphenyl-d14
 Concen: 62.569 ng
 RT: 19.769 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP009083.D
 Acq: 09 Feb 2022 18:03

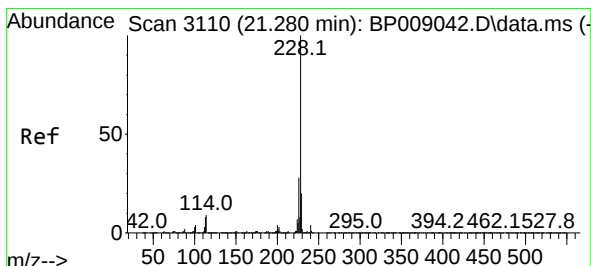
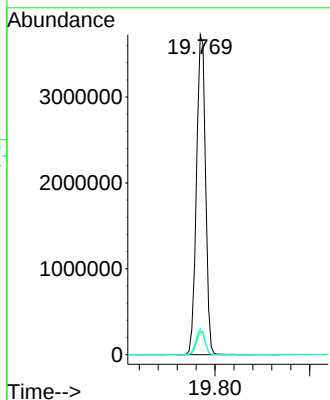
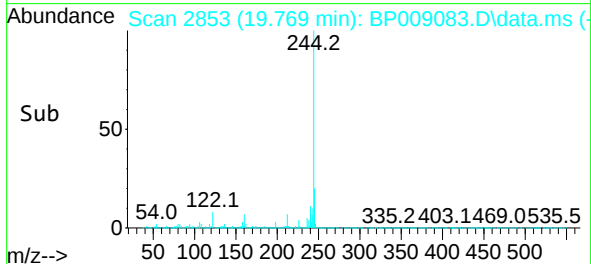
Instrument :
 BNA_P
 ClientSampleId :
 SP-2



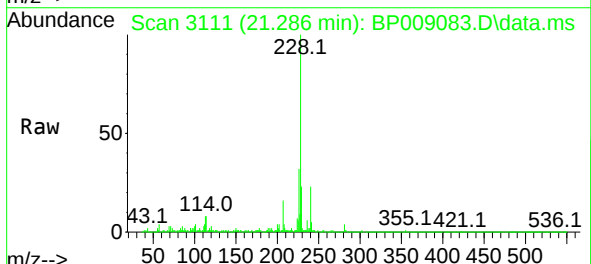
Tgt Ion:244 Resp: 494395
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 8.3 9.2 13.8

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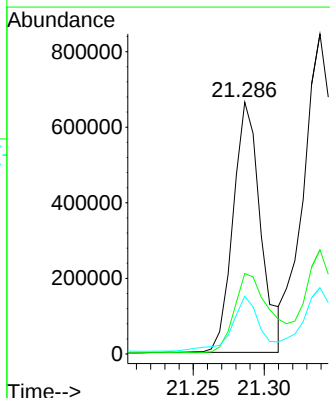
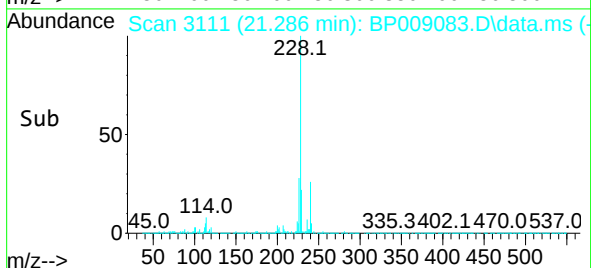
Reviewed By :Christian Giraldo 02/10/2022
 Supervised By :Jagrut Upadhyay 02/11/2022

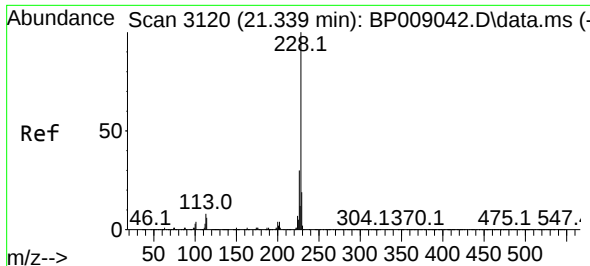


#81
 Benzo(a)anthracene
 Concen: 9.789 ng
 RT: 21.286 min Scan# 3111
 Delta R.T. 0.006 min
 Lab File: BP009083.D
 Acq: 09 Feb 2022 18:03



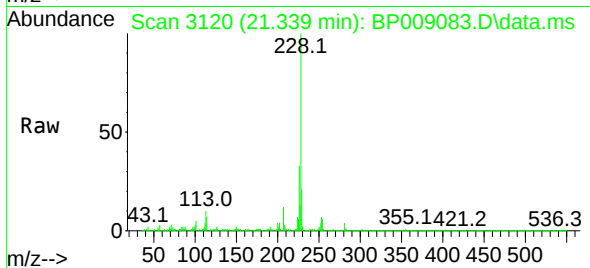
Tgt Ion:228 Resp: 896381
 Ion Ratio Lower Upper
 228 100
 226 31.9 23.3 34.9
 229 22.8 17.0 25.6





#83
Chrysene
Concen: 13.728 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03

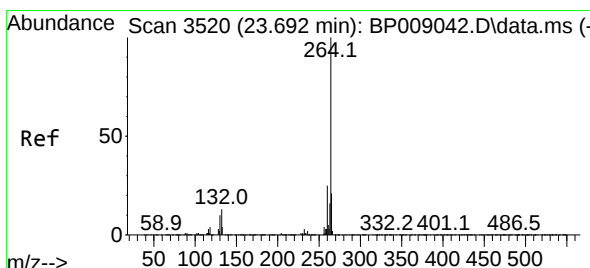
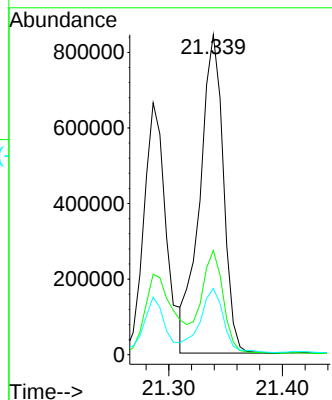
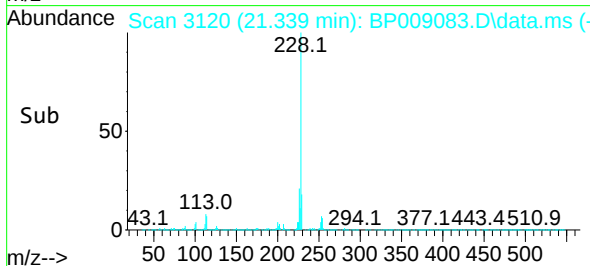
Instrument :
BNA_P
ClientSampleId :
SP-2



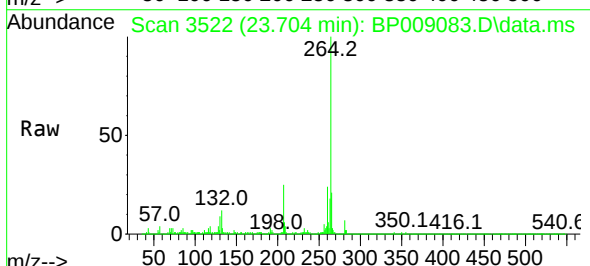
Tgt Ion:228 Resp: 1211870
Ion Ratio Lower Upper
228 100
226 32.6 26.0 39.0
229 20.7 16.9 25.3

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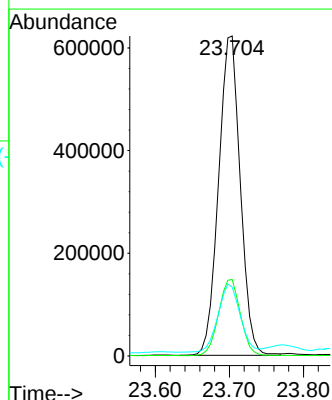
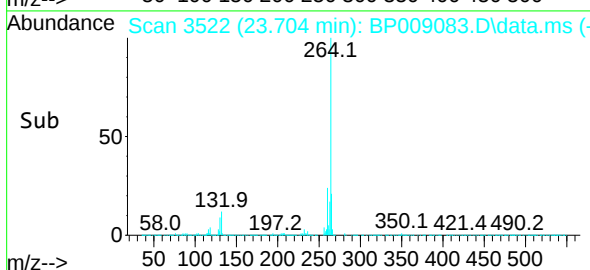
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

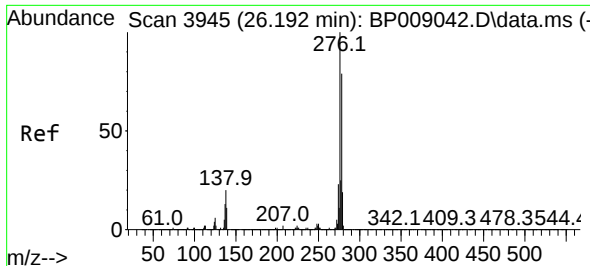


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.704 min Scan# 3522
Delta R.T. 0.012 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03



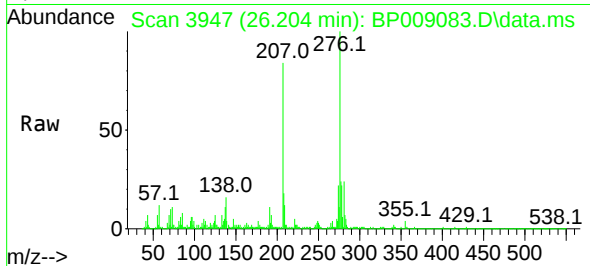
Tgt Ion:264 Resp: 1262925
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 21.5 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.122 ng
RT: 26.204 min Scan# 3945
Delta R.T. 0.012 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03

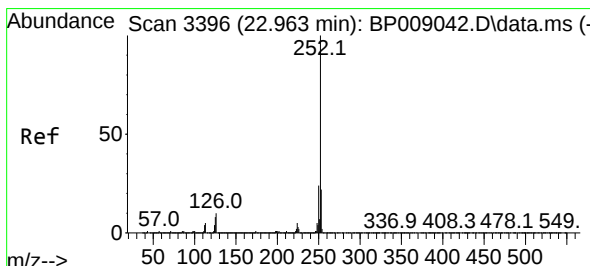
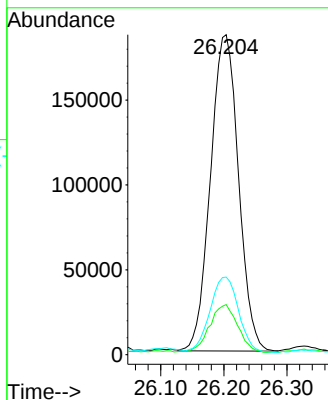
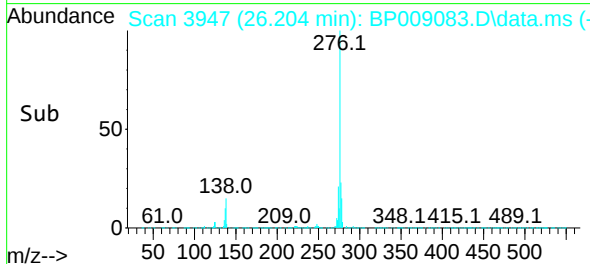
Instrument :
BNA_P
ClientSampleId :
SP-2



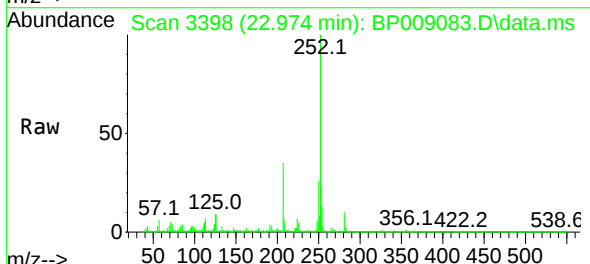
Tgt Ion: 276 Resp: 574480
Ion Ratio Lower Upper
276 100
138 15.2 17.8 26.6
277 24.3 20.4 30.6

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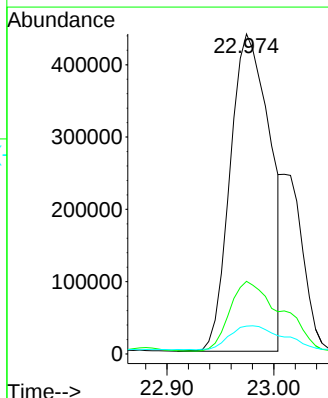
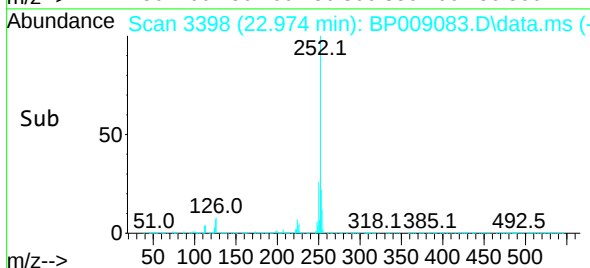
Reviewed By : Christian Giraldo 02/10/2022
Supervised By : Jagrut Upadhyay 02/11/2022

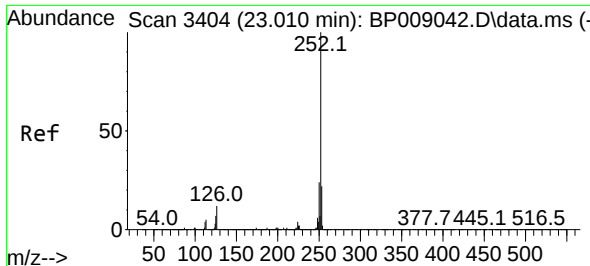


#88
Benzo(b)fluoranthene
Concen: 14.564 ng m
RT: 22.974 min Scan# 3398
Delta R.T. 0.012 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03



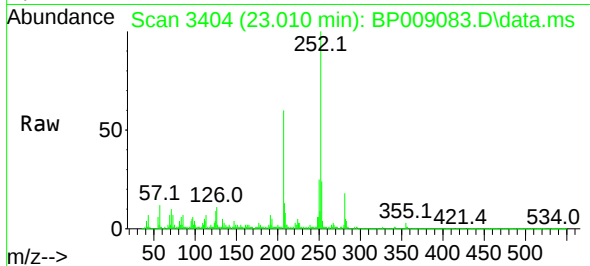
Tgt Ion: 252 Resp: 1132303
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 8.7 6.9 10.3





#89
Benzo(k)fluoranthene
Concen: 4.384 ng m
RT: 23.010 min Scan# 3404
Delta R.T. 0.000 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03

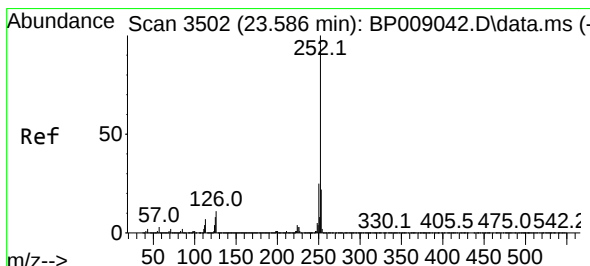
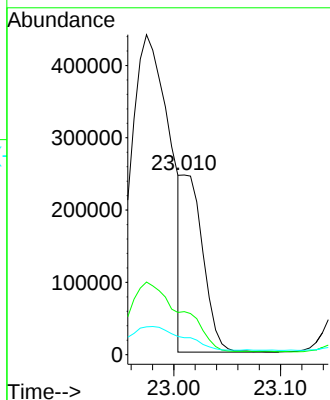
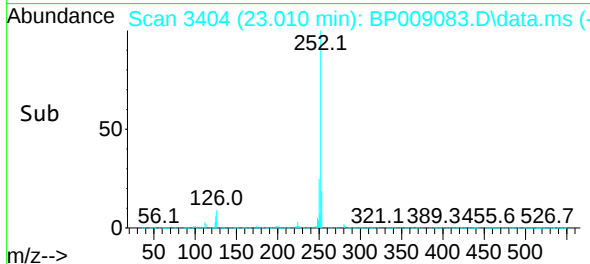
Instrument :
BNA_P
ClientSampleId :
SP-2



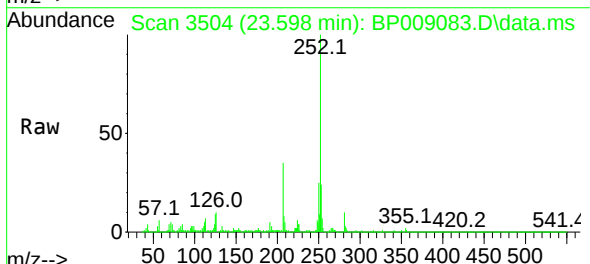
Tgt Ion:252 Resp: 340054
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.2
125 9.4 7.3 10.9

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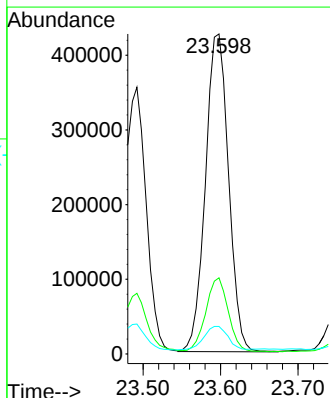
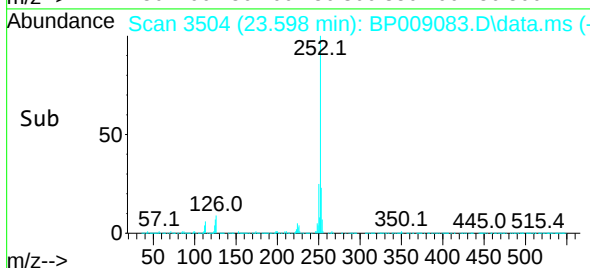
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

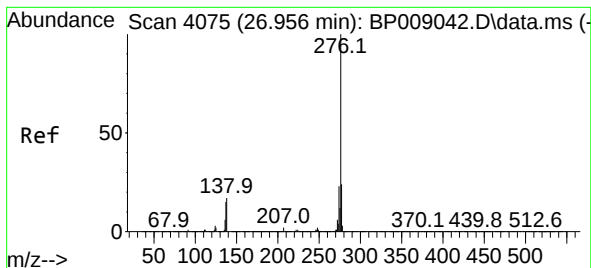


#90
Benzo(a)pyrene
Concen: 13.630 ng
RT: 23.598 min Scan# 3504
Delta R.T. 0.012 min
Lab File: BP009083.D
Acq: 09 Feb 2022 18:03



Tgt Ion:252 Resp: 883517
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 8.6 7.8 11.6





#92

Benzo(g,h,i)perylene

Concen: 8.831 ng

RT: 26.968 min Scan# 4077

Delta R.T. 0.012 min

Lab File: BP009083.D

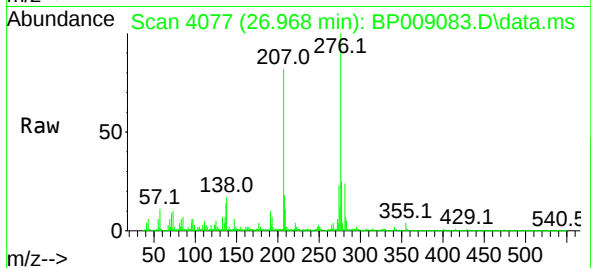
Acq: 09 Feb 2022 18:03

Instrument :

BNA_P

ClientSampleId :

SP-2



Tgt Ion: 276 Resp: 67803

Ion Ratio Lower Upper

276 100

277 24.8 19.2 28.8

138 17.2 15.0 22.4

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 02/10/2022

Supervised By : Jagrut Upadhyay 02/11/2022

