

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021022\
 Data File : BP009102.D
 Acq On : 10 Feb 2022 16:42
 Operator : CG/JU
 Sample : N1435-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 2

Instrument :
 BNA_P
 ClientSampleId :
 RO-349

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/15/2022
 Supervised By : Jagrut Upadhyay 02/11/2022

Quant Time: Feb 10 18:00:39 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	438454	40.000	ng	0.00
21) Naphthalene-d8	10.599	136	1802862	40.000	ng	0.00
39) Acenaphthene-d10	14.445	164	1182064	40.000	ng	0.00
64) Phenanthrene-d10	17.204	188	2376025	40.000	ng	0.00
76) Chrysene-d12	21.304	240	2198431	40.000	ng	0.00
86) Perylene-d12	23.704	264	2512518	40.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1189314	96.772	ng	0.00
7) Phenol-d6	6.999	99	1465179	90.477	ng	0.01
23) Nitrobenzene-d5	8.963	82	926650	57.971	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	824081	104.428	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	2614895	61.935	ng	0.00
79) Terphenyl-d14	19.769	244	3391028	55.478	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.169	152	179641	3.453	ng	99
70) Pentachlorophenol	16.875	266	40605	5.001	ng	95
71) Phenanthrene	17.245	178	691616	10.752	ng	99
72) Anthracene	17.339	178	215098	3.418	ng	99
75) Fluoranthene	19.216	202	1286034	17.838	ng	98
78) Pyrene	19.569	202	1278709	16.353	ng	97
81) Benzo(a)anthracene	21.286	228	712366	10.057	ng	100
83) Chrysene	21.339	228	673761	9.867	ng	97
87) Indeno(1,2,3-cd)pyrene	26.198	276	521039	5.582	ng	# 93
88) Benzo(b)fluoranthene	22.974	252	1009736m	13.056	ng	
89) Benzo(k)fluoranthene	23.010	252	298050m	3.863	ng	
90) Benzo(a)pyrene	23.592	252	706720	10.961	ng	98
92) Benzo(g,h,i)perylene	26.974	276	506913	6.637	ng	95

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

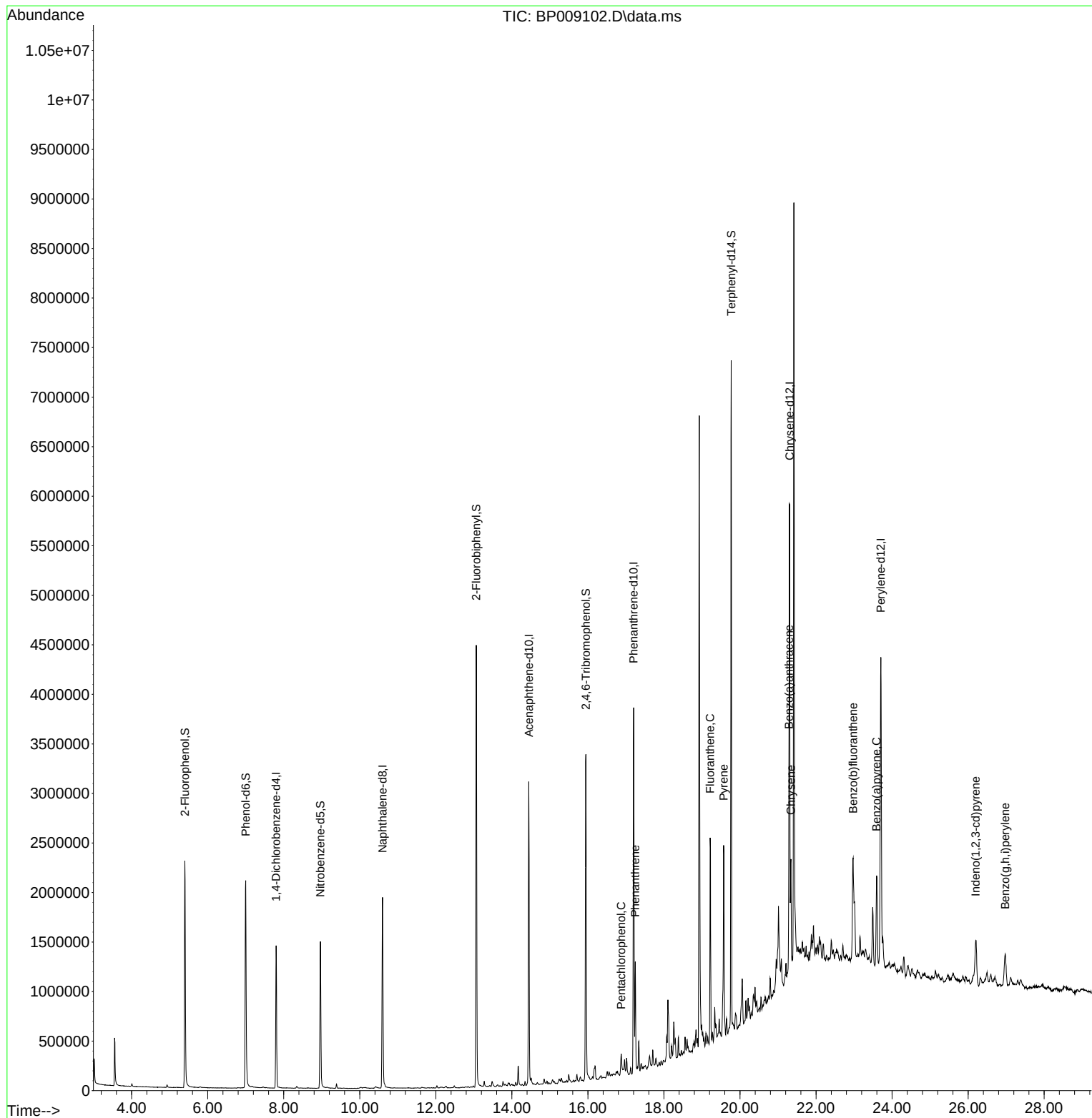
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021022\
Data File : BP009102.D
Acq On : 10 Feb 2022 16:42
Operator : CG/JU
Sample : N1435-01
Misc :
ALS Vial : 12 Sample Multiplier: 2

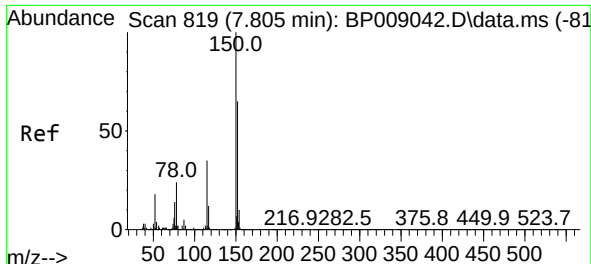
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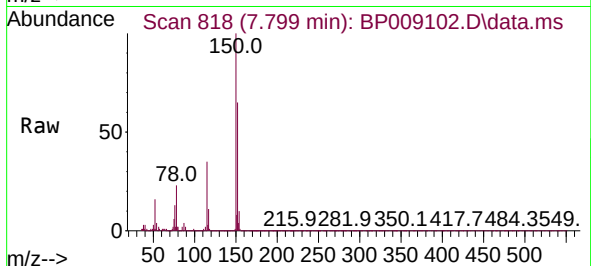
Quant Time: Feb 10 18:00:39 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 07 15:13:17 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 40.000 ng
RT: 7.799 min Scan# 819
Delta R.T. -0.006 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

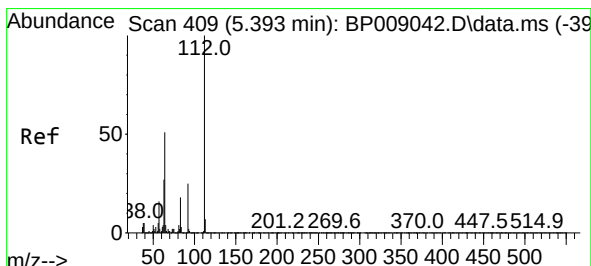
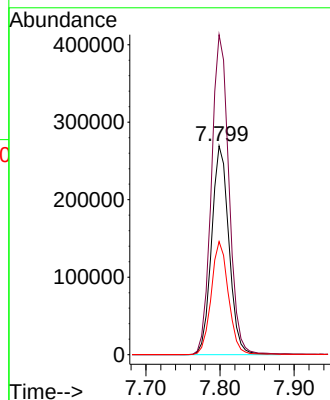
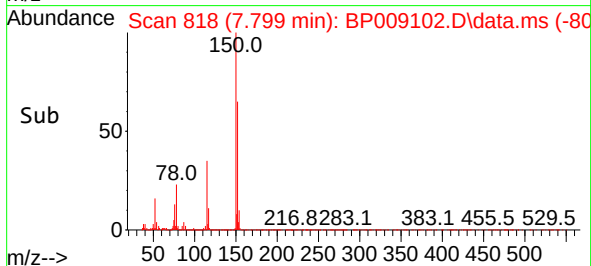
Instrument :
BNA_P
ClientSampleId :
RO-349



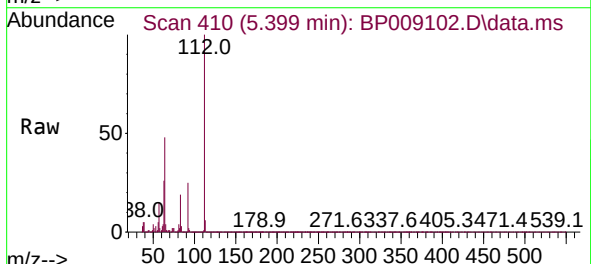
Tgt Ion:152 Resp: 438454
Ion Ratio Lower Upper
152 100
150 153.3 127.0 190.6
115 54.2 43.7 65.5

Manual Integrations
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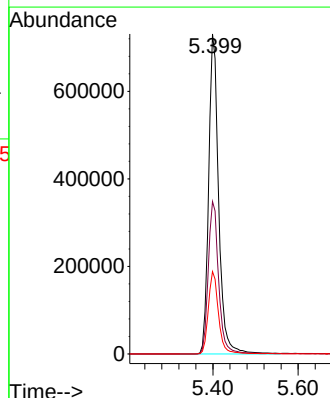
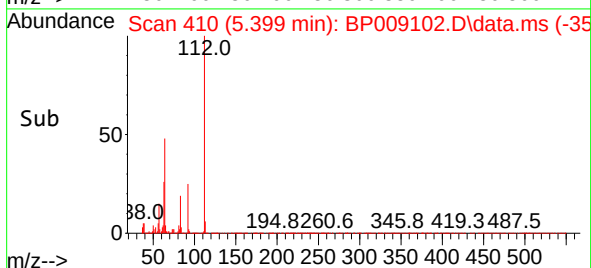
Reviewed By :Christian Giraldo 02/15/2022
Supervised By :Jagrut Upadhyay 02/11/2022

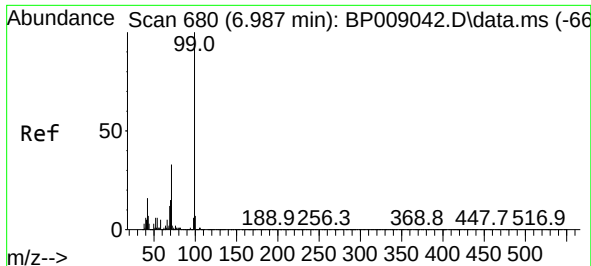


#5
2-Fluorophenol
Concen: 96.772 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42



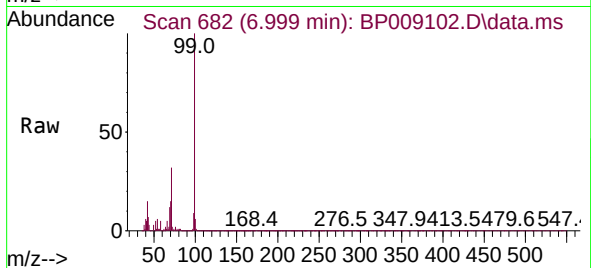
Tgt Ion:112 Resp: 1189314
Ion Ratio Lower Upper
112 100
64 47.7 39.7 59.5
63 25.8 20.0 30.0





#7
Phenol-d6
Concen: 90.477 ng
RT: 6.999 min Scan# 60
Delta R.T. 0.012 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

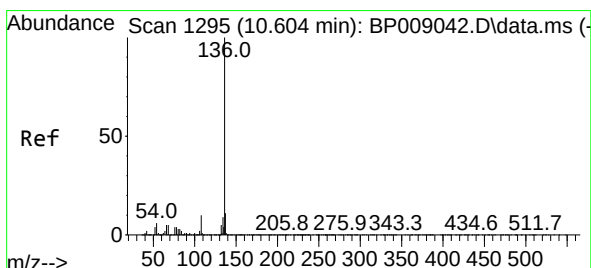
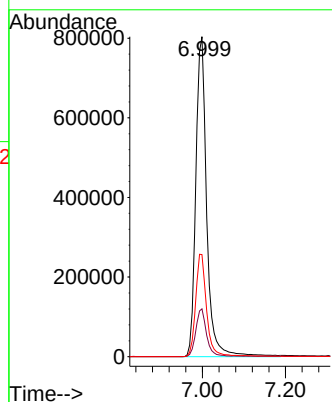
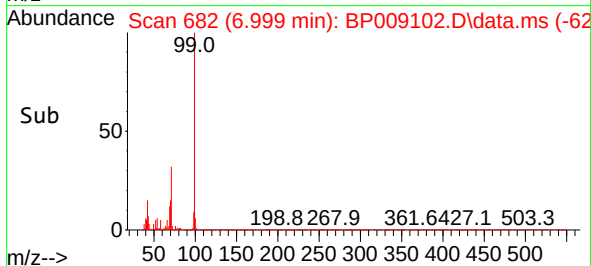
Instrument :
BNA_P
ClientSampleId :
RO-349



Tgt Ion: 99 Resp: 1465179
Ion Ratio Lower Upper
99 100
42 15.0 10.8 16.2
71 31.9 23.8 35.6

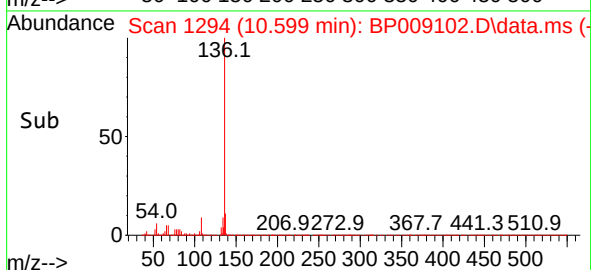
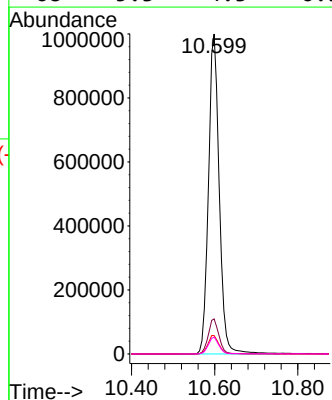
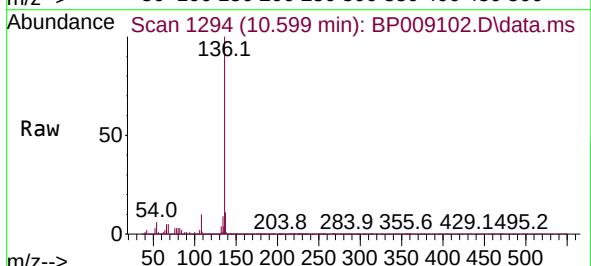
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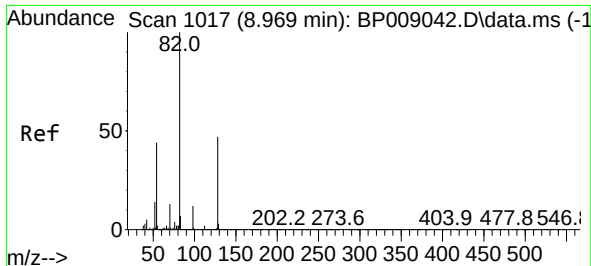
Reviewed By :Christian Giraldo 02/15/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#21
Naphthalene-d8
Concen: 40.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.005 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

Tgt Ion:136 Resp: 1802862
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 5.8 4.9 7.3
68 5.3 4.3 6.5





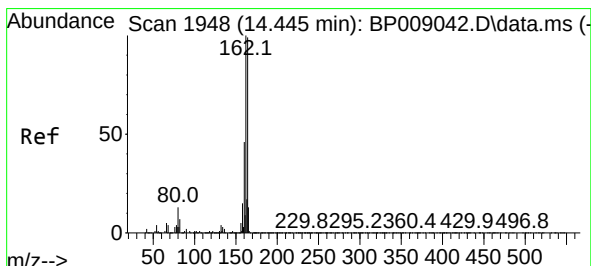
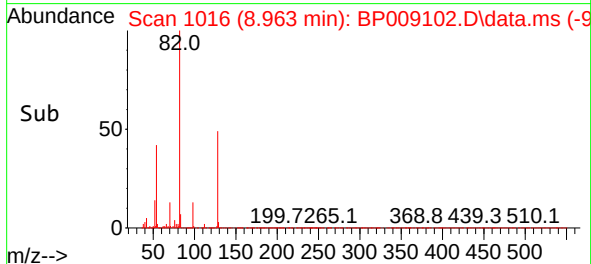
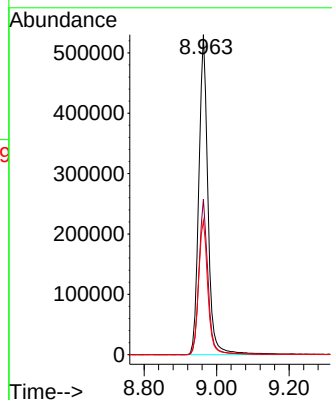
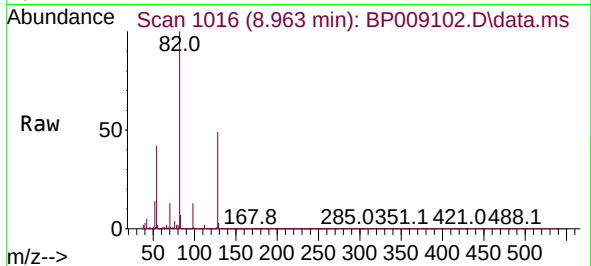
#23
Nitrobenzene-d5
Concen: 57.971 ng
RT: 8.963 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

Instrument :
BNA_P
ClientSampleId :
RO-349

Tgt Ion: 82 Resp: 926650
Ion Ratio Lower Upper
82 100
128 48.6 39.4 59.2
54 41.9 32.6 48.8

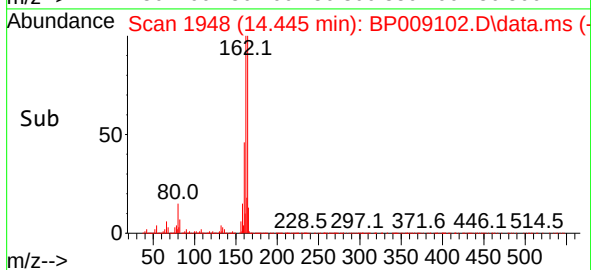
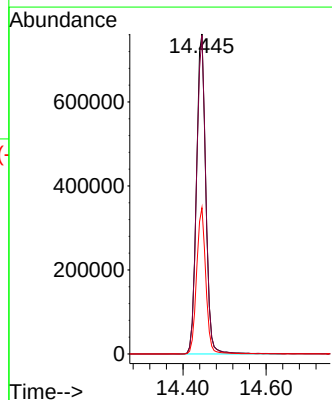
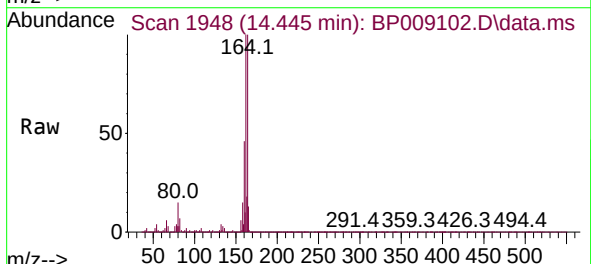
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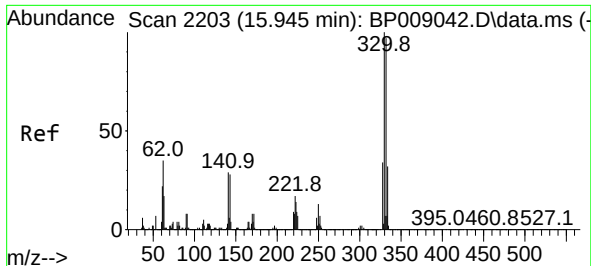
Reviewed By :Christian Giraldo 02/15/2022
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#39
Acenaphthene-d10
Concen: 40.000 ng
RT: 14.445 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

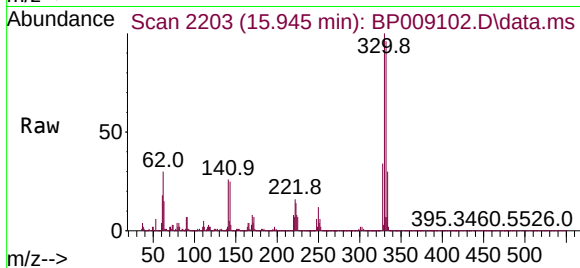
Tgt Ion:164 Resp: 1182064
Ion Ratio Lower Upper
164 100
162 99.6 79.9 119.9
160 45.7 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 104.428 ng
RT: 15.945 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

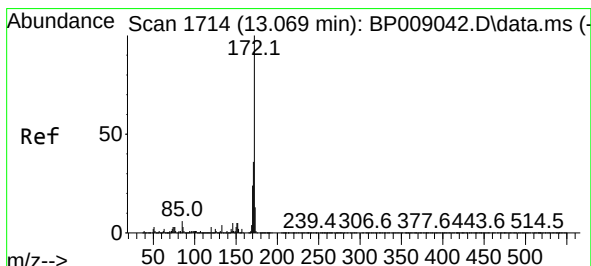
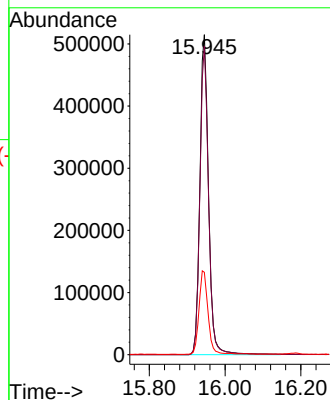
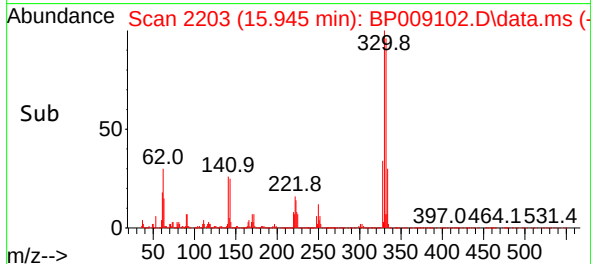
Instrument :
BNA_P
ClientSampleId :
RO-349



Tgt Ion:330 Resp: 82408
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.4
141 27.2 21.3 31.9

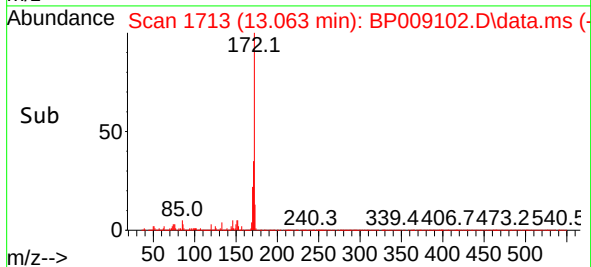
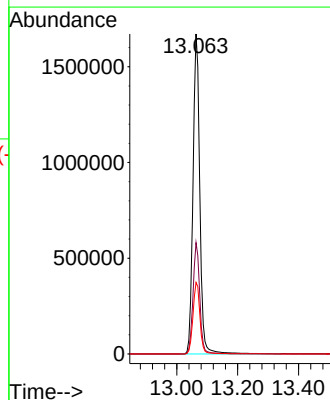
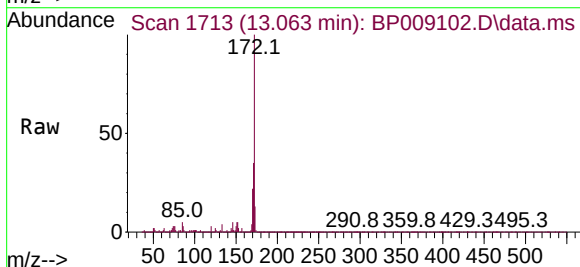
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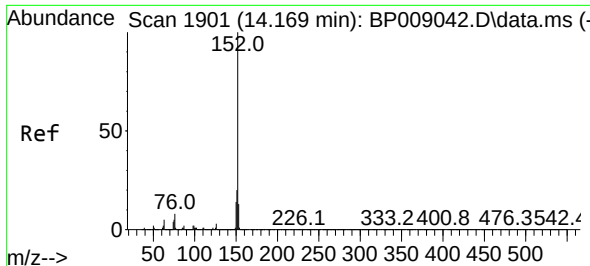
Reviewed By :Christian Giraldo 02/15/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#45
2-Fluorobiphenyl
Concen: 61.935 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

Tgt Ion:172 Resp: 2614895
Ion Ratio Lower Upper
172 100
171 34.8 29.3 43.9
170 22.4 19.5 29.3





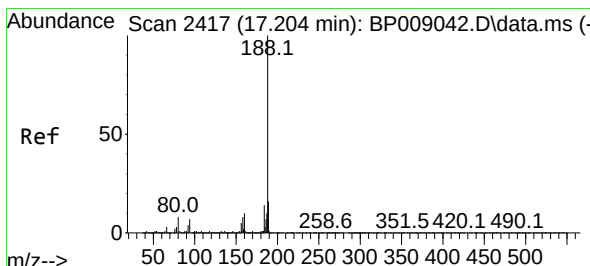
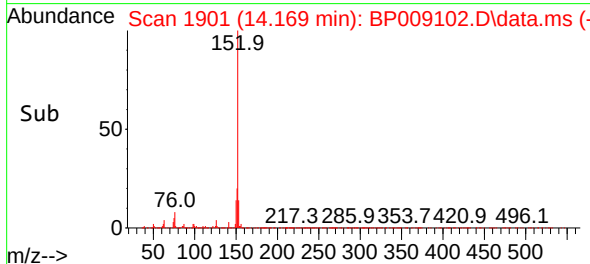
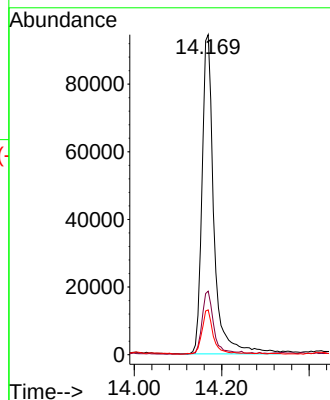
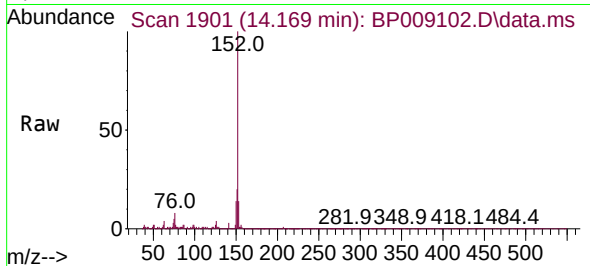
#49
Acenaphthylene
Concen: 3.453 ng
RT: 14.169 min Scan# 1901
Delta R.T. 0.000 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

Instrument :
BNA_P
ClientSampleId :
RO-349

Tgt Ion:152 Resp: 17964
Ion Ratio Lower Upper
152 100
151 19.8 16.1 24.1
153 14.0 10.6 16.0

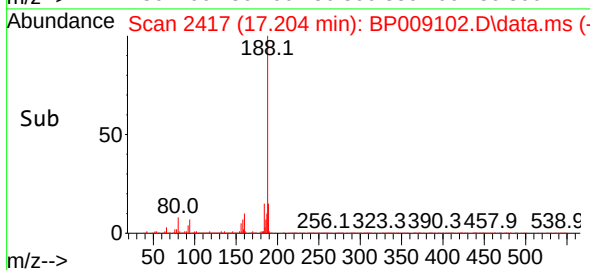
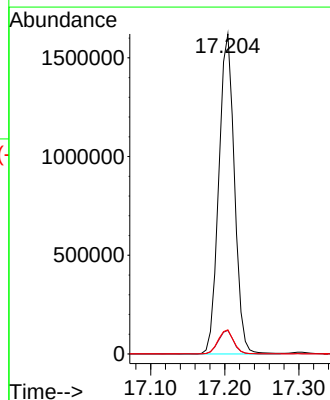
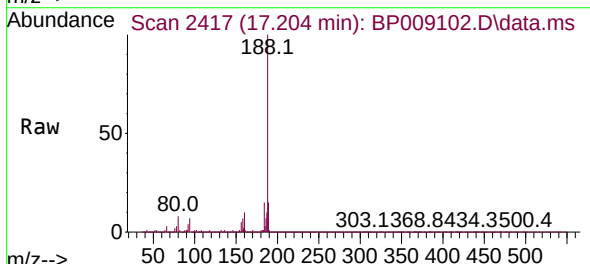
Manual Integrations
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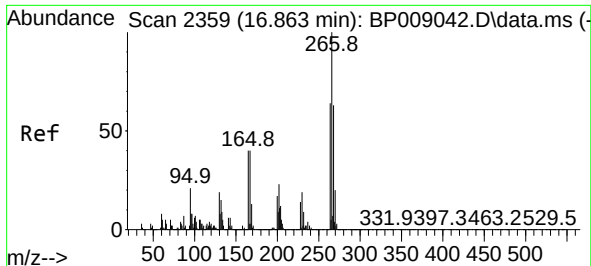
Reviewed By :Christian Giraldo 02/15/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#64
Phenanthrene-d10
Concen: 40.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

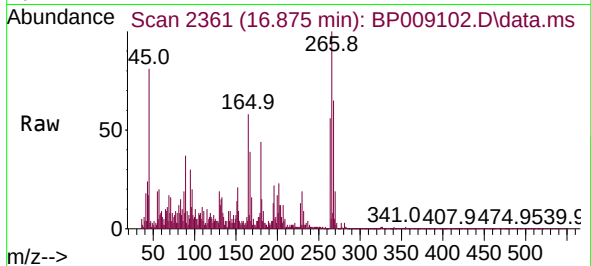
Tgt Ion:188 Resp: 2376025
Ion Ratio Lower Upper
188 100
94 7.4 6.8 10.2
80 7.6 7.2 10.8





#70
Pentachlorophenol
Concen: 5.001 ng
RT: 16.875 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

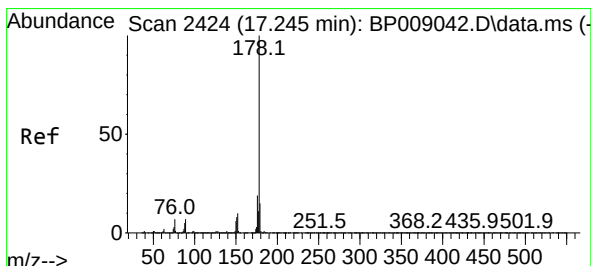
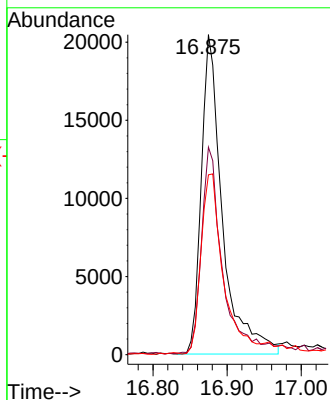
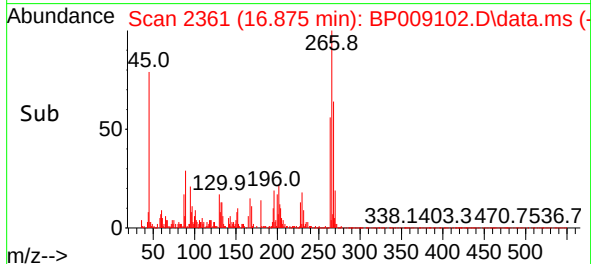
Instrument :
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RO-349



Tgt Ion:266 Resp: 4060
Ion Ratio Lower Upper
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268 64.9 50.9 76.3
264 56.2 50.3 75.5

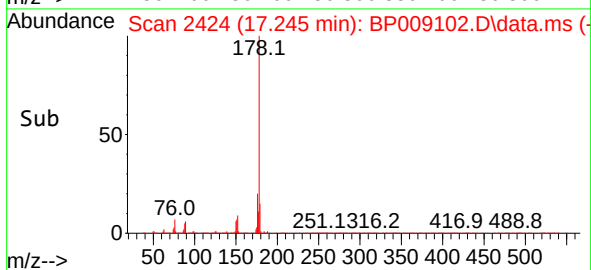
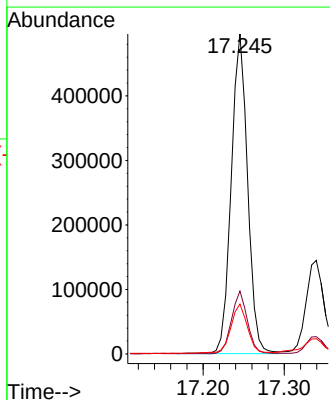
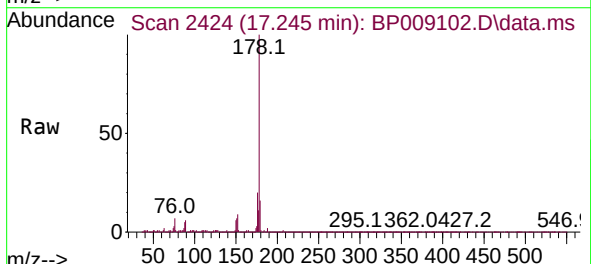
Manual Integrations
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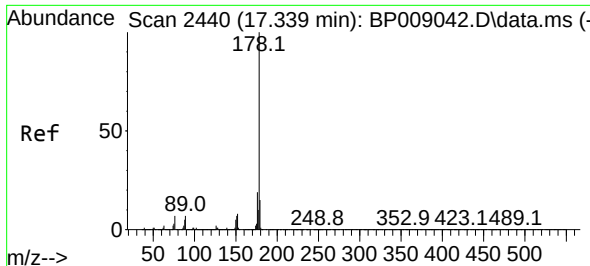
Reviewed By :Christian Giraldo 02/15/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#71
Phenanthrene
Concen: 10.752 ng
RT: 17.245 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

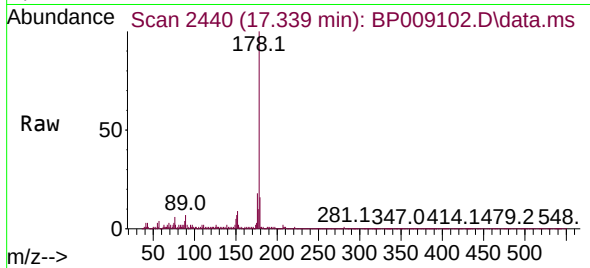
Tgt Ion:178 Resp: 691616
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.6 13.0 19.4





#72
 Anthracene
 Concen: 3.418 ng
 RT: 17.339 min Scan# 2440
 Delta R.T. 0.000 min
 Lab File: BP009102.D
 Acq: 10 Feb 2022 16:42

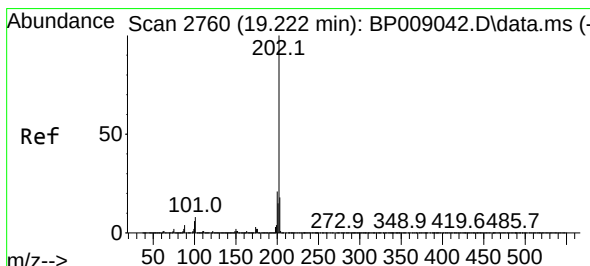
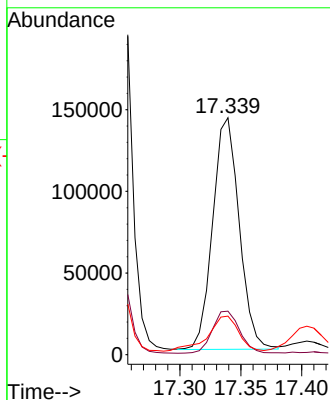
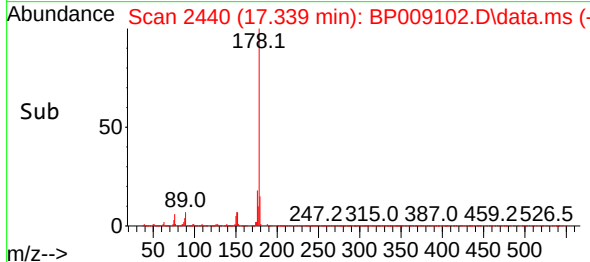
Instrument :
 BNA_P
 ClientSampleId :
 RO-349



Tgt Ion:178 Resp: 215098
 Ion Ratio Lower Upper
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 176 18.4 15.1 22.7
 179 16.3 12.8 19.2

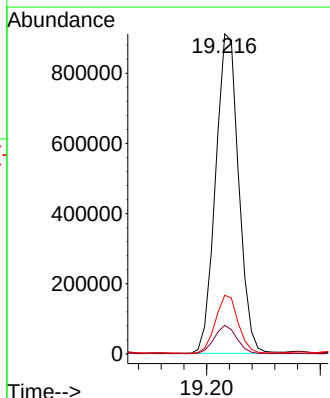
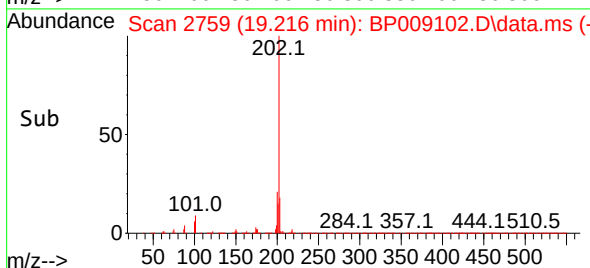
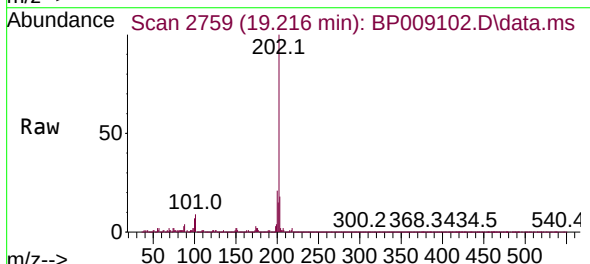
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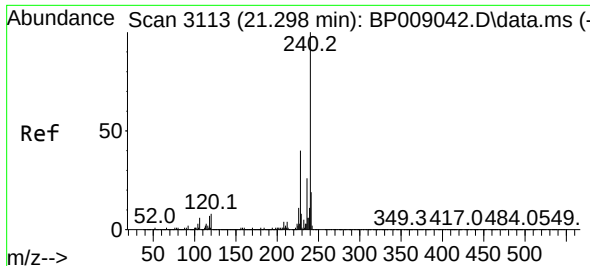
Reviewed By :Christian Giraldo 02/15/2022
 Supervised By :Jagrut Upadhyay 02/11/2022



#75
 Fluoranthene
 Concen: 17.838 ng
 RT: 19.216 min Scan# 2759
 Delta R.T. -0.006 min
 Lab File: BP009102.D
 Acq: 10 Feb 2022 16:42

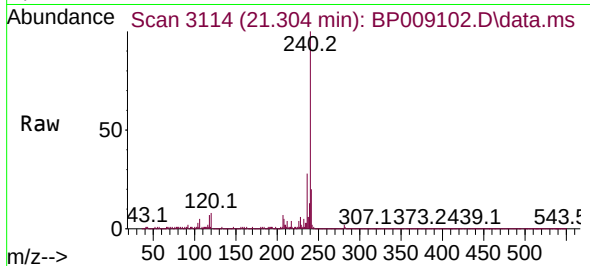
Tgt Ion:202 Resp: 1286034
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 30.7
 203 18.3 0.0 38.9





#76
Chrysene-d12
Concen: 40.000 ng
RT: 21.304 min Scan# 3114
Delta R.T. 0.006 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

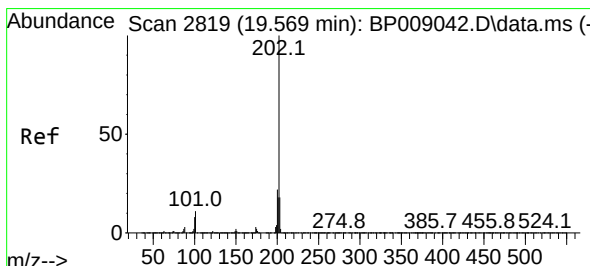
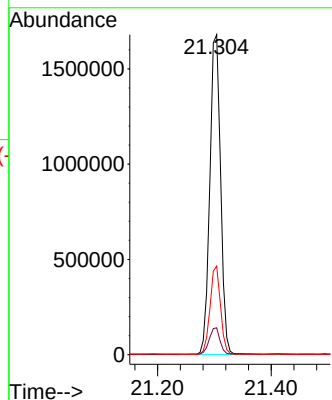
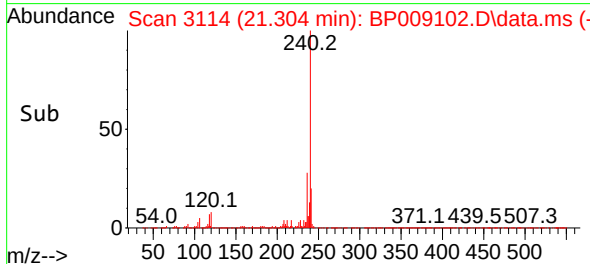
Instrument :
BNA_P
ClientSampleId :
RO-349



Tgt Ion:240 Resp: 219843
Ion Ratio Lower Upper
240 100
120 8.4 7.7 11.5
236 27.7 21.2 31.8

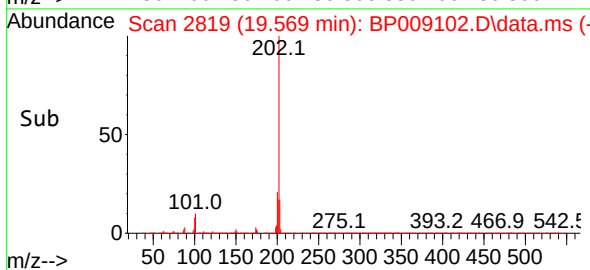
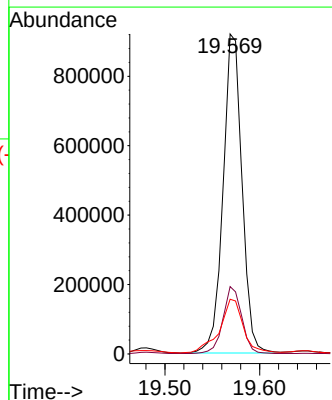
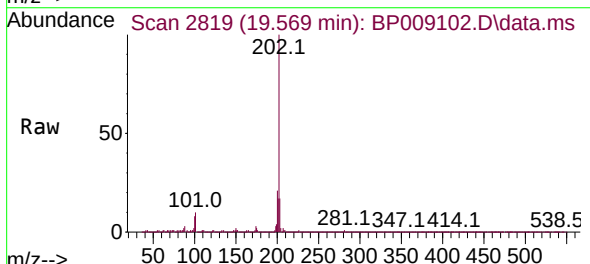
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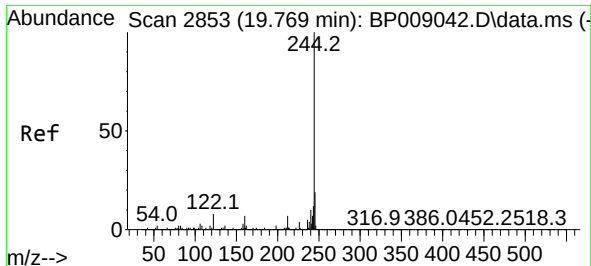
Reviewed By :Christian Giraldo 02/15/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#78
Pyrene
Concen: 16.353 ng
RT: 19.569 min Scan# 2819
Delta R.T. 0.000 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

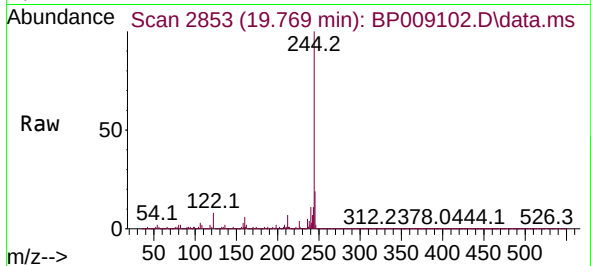
Tgt Ion:202 Resp: 1278709
Ion Ratio Lower Upper
202 100
200 21.0 18.0 27.0
203 17.1 15.0 22.6





#79
 Terphenyl-d14
 Concen: 55.478 ng
 RT: 19.769 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP009102.D
 Acq: 10 Feb 2022 16:42

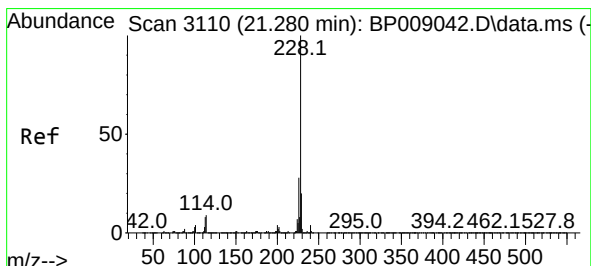
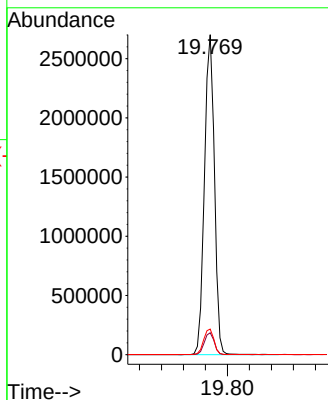
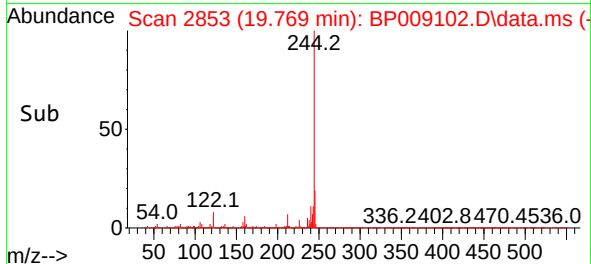
Instrument :
 BNA_P
 ClientSampleId :
 RO-349



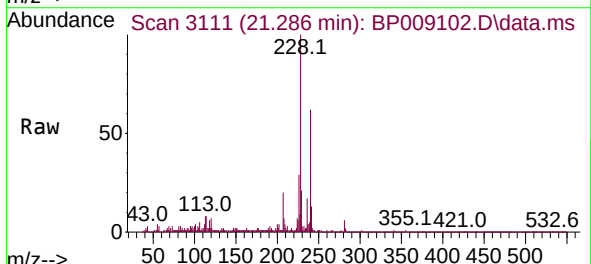
Tgt Ion:244 Resp: 3391028
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 8.0 9.2 13.8

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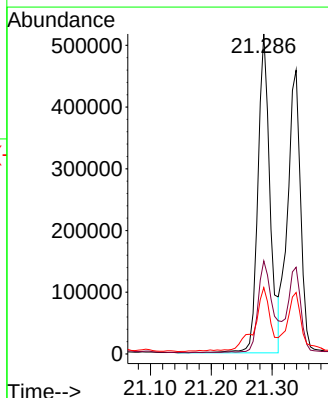
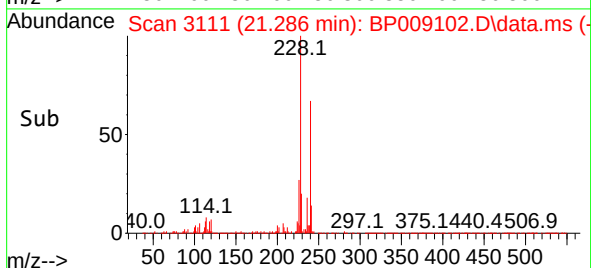
Reviewed By :Christian Giraldo 02/15/2022
 Supervised By :Jagrut Upadhyay 02/11/2022

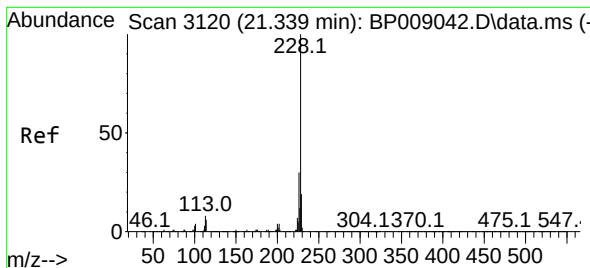


#81
 Benzo(a)anthracene
 Concen: 10.057 ng
 RT: 21.286 min Scan# 3111
 Delta R.T. 0.006 min
 Lab File: BP009102.D
 Acq: 10 Feb 2022 16:42



Tgt Ion:228 Resp: 712366
 Ion Ratio Lower Upper
 228 100
 226 29.1 23.3 34.9
 229 20.8 17.0 25.6





#83

Chrysene

Concen: 9.867 ng

RT: 21.339 min Scan# 3120

Delta R.T. 0.000 min

Lab File: BP009102.D

Acq: 10 Feb 2022 16:42

Instrument :

BNA_P

ClientSampleId :

RO-349

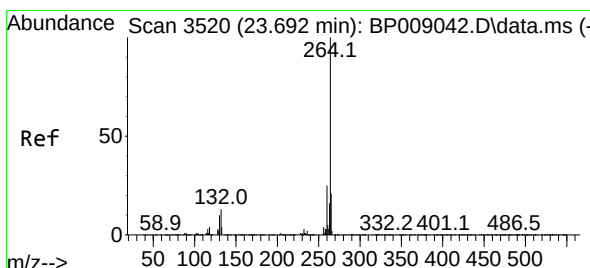
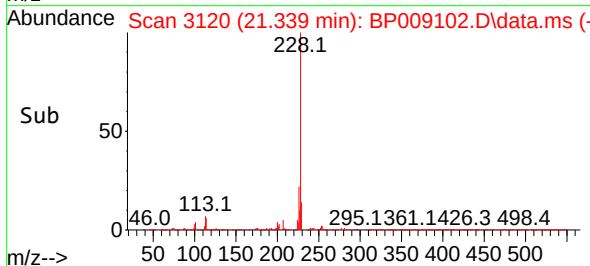
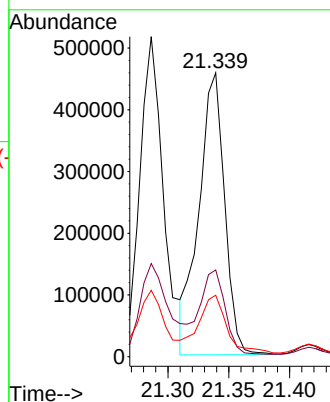
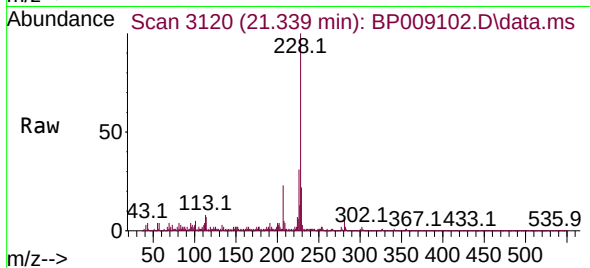
Tgt Ion:228 Resp: 67376

Ion	Ratio	Lower	Upper
228	100		
226	30.6	26.0	39.0
229	21.7	16.9	25.3

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Reviewed By :Christian Giraldo 02/15/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#86

Perylene-d12

Concen: 40.000 ng

RT: 23.704 min Scan# 3522

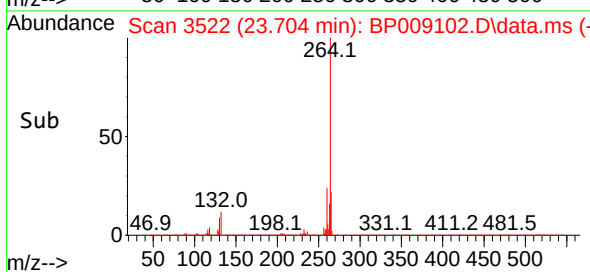
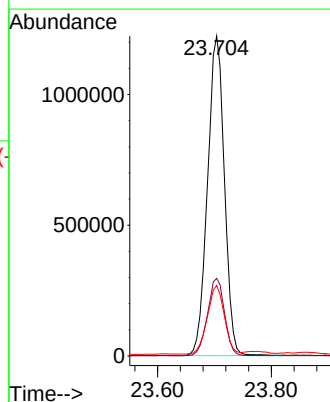
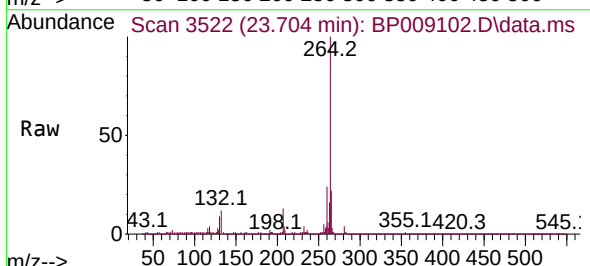
Delta R.T. 0.012 min

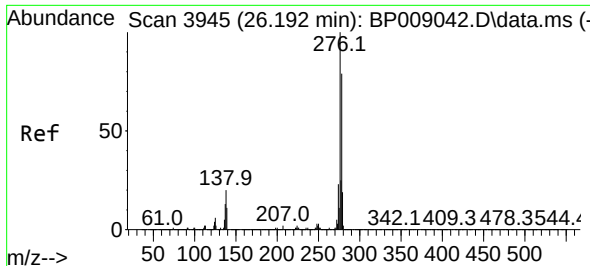
Lab File: BP009102.D

Acq: 10 Feb 2022 16:42

Tgt Ion:264 Resp: 2512518

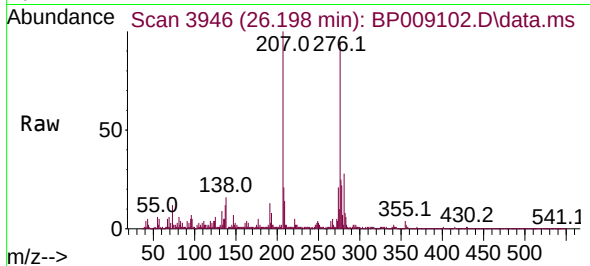
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.1	28.7
265	22.0	17.1	25.7





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.582 ng
 RT: 26.198 min Scan# 3946
 Delta R.T. 0.006 min
 Lab File: BP009102.D
 Acq: 10 Feb 2022 16:42

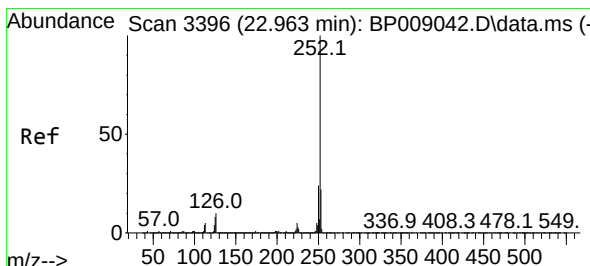
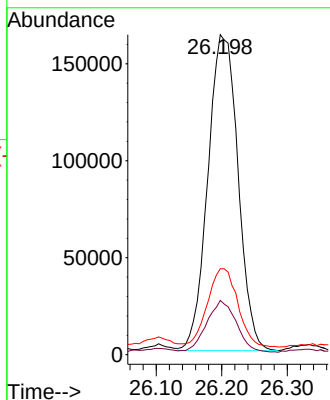
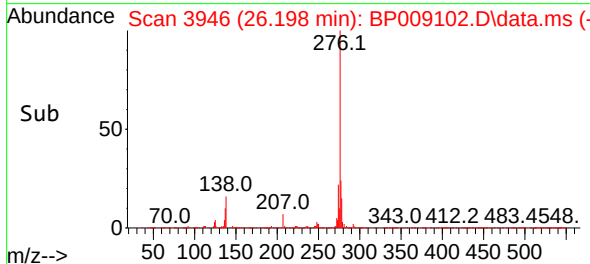
Instrument :
 BNA_P
 ClientSampleId :
 RO-349



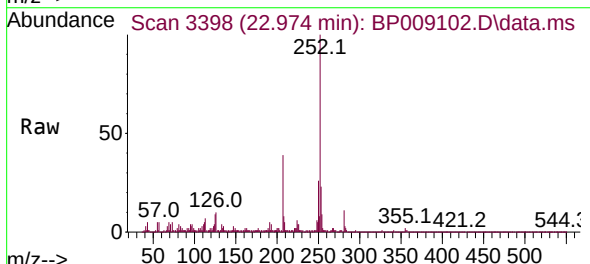
Tgt Ion: 276 Resp: 521039
 Ion Ratio Lower Upper
 276 100
 138 15.9 17.8 26.6
 277 25.0 20.4 30.6

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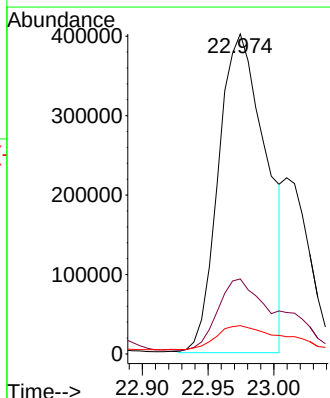
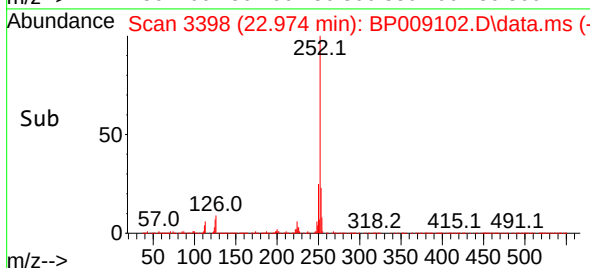
Reviewed By : Christian Giraldo 02/15/2022
 Supervised By : Jagrut Upadhyay 02/11/2022

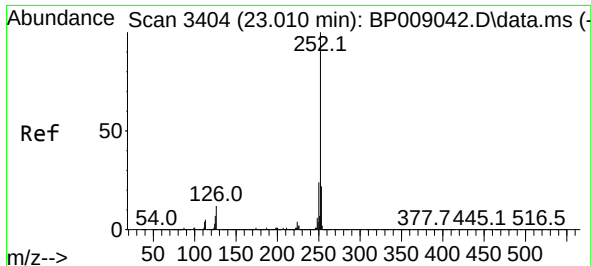


#88
 Benzo(b)fluoranthene
 Concen: 13.056 ng m
 RT: 22.974 min Scan# 3398
 Delta R.T. 0.012 min
 Lab File: BP009102.D
 Acq: 10 Feb 2022 16:42



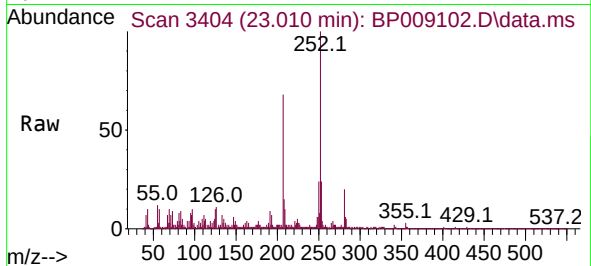
Tgt Ion: 252 Resp: 1009736
 Ion Ratio Lower Upper
 252 100
 253 23.5 18.0 27.0
 125 8.9 6.9 10.3





#89
Benzo(k)fluoranthene
Concen: 3.863 ng m
RT: 23.010 min Scan# 3404
Delta R.T. 0.000 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

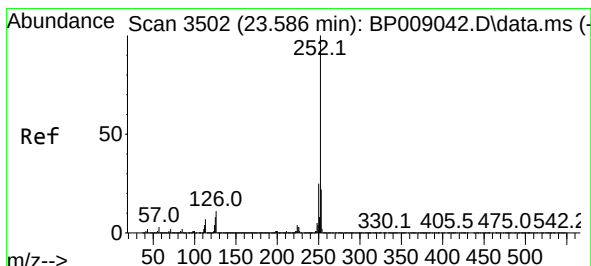
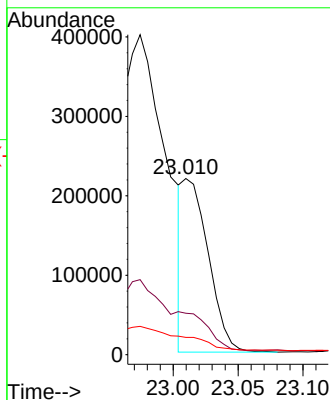
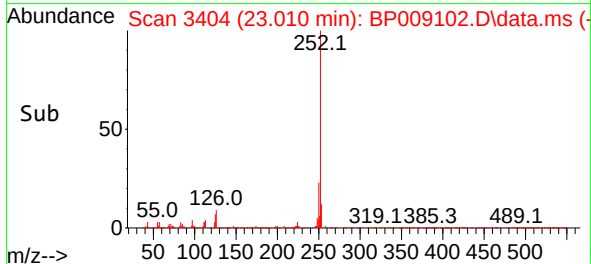
Instrument :
BNA_P
ClientSampleId :
RO-349



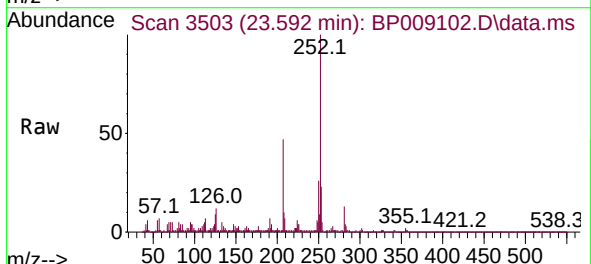
Tgt Ion:252 Resp: 298050
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 9.8 7.3 10.9

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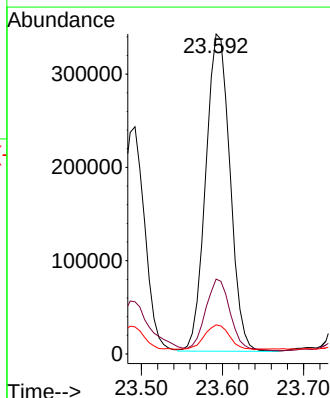
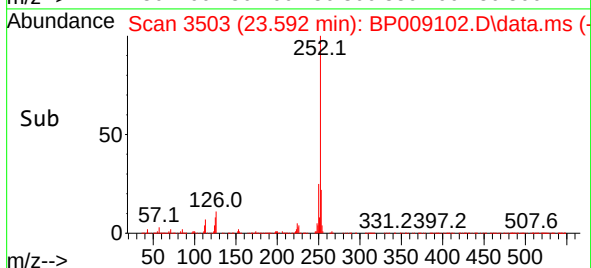
Reviewed By :Christian Giraldo 02/15/2022
Supervised By :Jagrut Upadhyay 02/11/2022

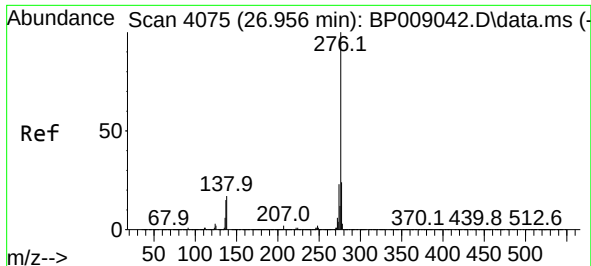


#90
Benzo(a)pyrene
Concen: 10.961 ng
RT: 23.592 min Scan# 3503
Delta R.T. 0.006 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42



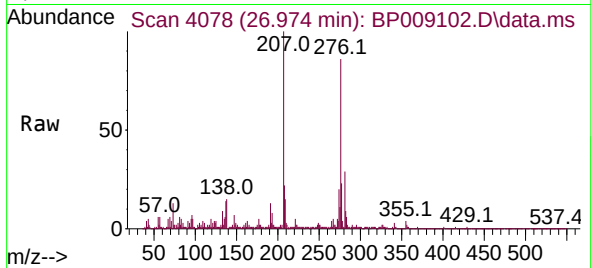
Tgt Ion:252 Resp: 706720
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 9.1 7.8 11.6





#92
 Benzo(g,h,i)perylene
 Concen: 6.637 ng
 RT: 26.974 min Scan# 4078
 Delta R.T. 0.018 min
 Lab File: BP009102.D
 Acq: 10 Feb 2022 16:42

Instrument :
 BNA_P
 ClientSampleId :
 RO-349



Tgt Ion: 276 Resp: 50691
 Ion Ratio Lower Upper
 276 100
 277 27.0 19.2 28.8
 138 17.1 15.0 22.4

Manual Integrations
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Reviewed By : Christian Giraldo 02/15/2022
 Supervised By : Jagrut Upadhyay 02/11/2022

