

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021422\
 Data File : BP009140.D
 Acq On : 14 Feb 2022 18:20
 Operator : CG/JU
 Sample : N1494-01DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ASTORIA-YARD-PIT-10DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/15/2022
 Supervised By :Yogesh Patel 02/18/2022

Quant Time: Feb 14 23:58:21 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	7.793	152	201155	20.000	ng	-0.01
21) Naphthalene-d8	10.587	136	727540	20.000	ng	-0.02
39) Acenaphthene-d10	14.434	164	465563	20.000	ng	-0.01
64) Phenanthrene-d10	17.192	188	1012486	20.000	ng	-0.01
76) Chrysene-d12	21.292	240	1123236	20.000	ng	0.00
86) Perylene-d12	23.686	264	1284404	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	217515	19.289	ng	0.00
7) Phenol-d6	6.999	99	249793	16.811	ng	0.01
23) Nitrobenzene-d5	8.963	82	162949	12.631	ng	0.00
42) 2,4,6-Tribromophenol	15.939	330	124126	19.968	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	402759	12.110	ng	-0.01
79) Terphenyl-d14	19.757	244	663863	10.629	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.640	128	399302	10.761	ng	99
37) 2-Methylnaphthalene	12.257	142	58972m	2.246	ng	
49) Acenaphthylene	14.157	152	404763	9.877	ng	99
55) Dibenzofuran	14.840	168	122692	2.921	ng	97
58) Fluorene	15.492	166	113203	3.508	ng	98
71) Phenanthrene	17.234	178	1696125	30.938	ng	99
72) Anthracene	17.328	178	502828	9.375	ng	100
73) Carbazole	17.610	167	165701	3.223	ng	99
75) Fluoranthene	19.210	202	3074091	50.030	ng	98
78) Pyrene	19.563	202	3333993	41.726	ng	98
81) Benzo(a)anthracene	21.274	228	1749095	24.164	ng	99
83) Chrysene	21.327	228	1613315	23.120	ng	98
87) Indeno(1,2,3-cd)pyrene	26.186	276	1809462	18.960	ng	# 94
88) Benzo(b)fluoranthene	22.957	252	2709165m	34.263	ng	
89) Benzo(k)fluoranthene	22.998	252	714178m	9.053	ng	
90) Benzo(a)pyrene	23.580	252	2131349	32.331	ng	96
91) Dibenzo(a,h)anthracene	26.186	278	379742	4.842	ng	# 82
92) Benzo(g,h,i)perylene	26.951	276	1938991	24.831	ng	99

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

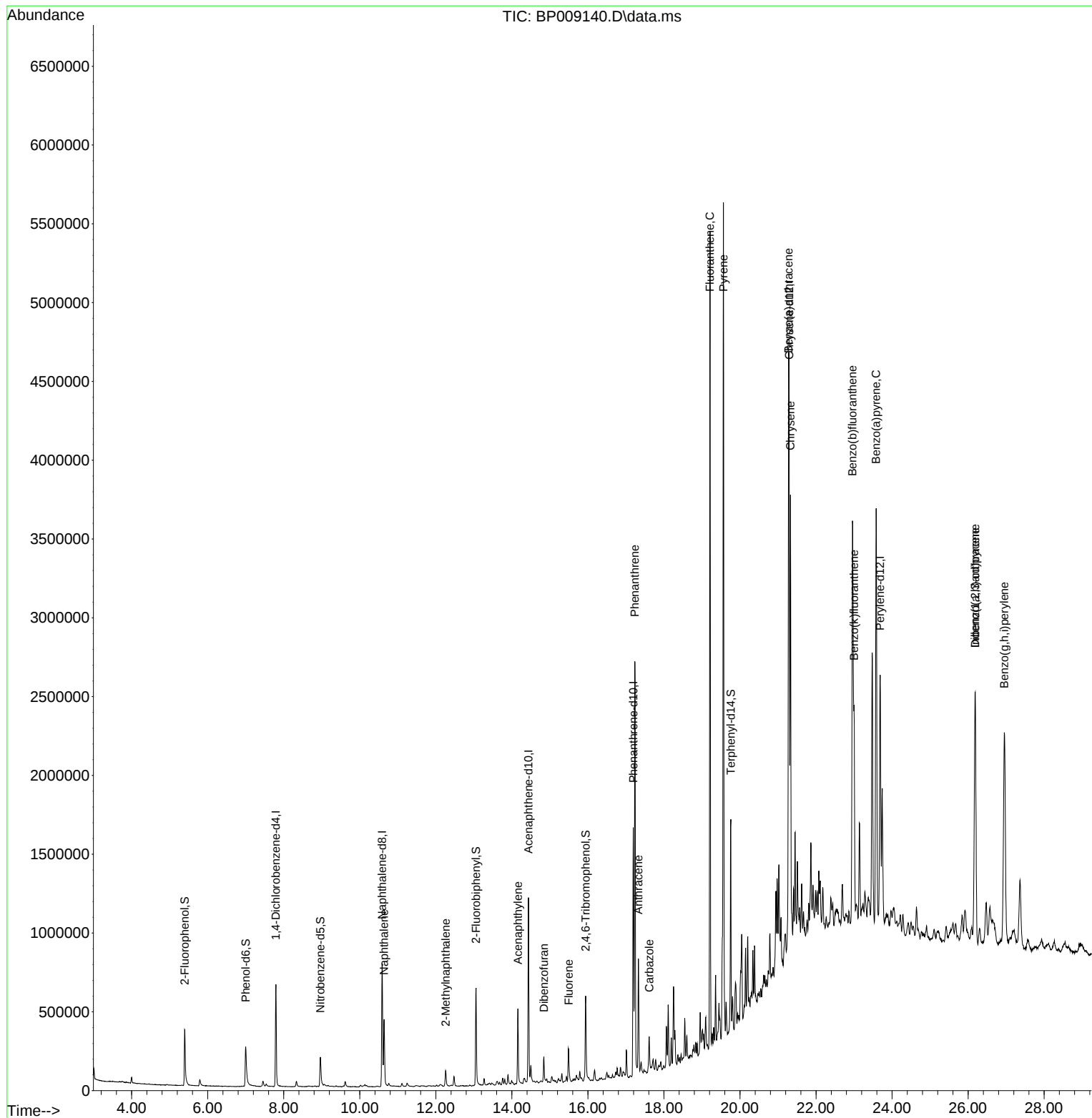
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021422\
Data File : BP009140.D
Acq On : 14 Feb 2022 18:20
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Misc :
ALS Vial : 11 Sample Multiplier: 1

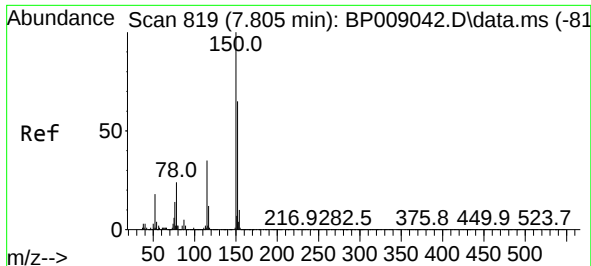
Instrument :
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ASTORIA-YARD-PIT-10DL

Quant Time: Feb 14 23:58:21 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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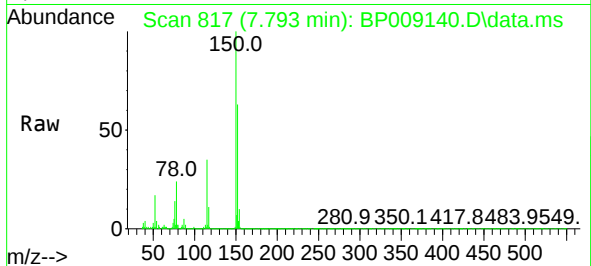
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 819
Delta R.T. -0.012 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20

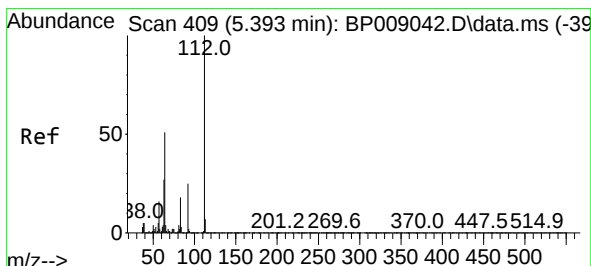
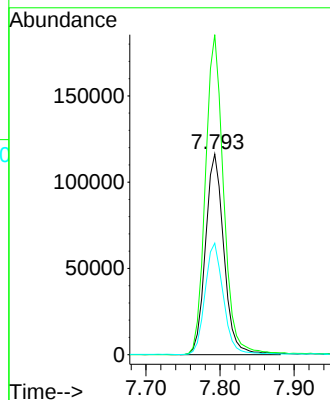
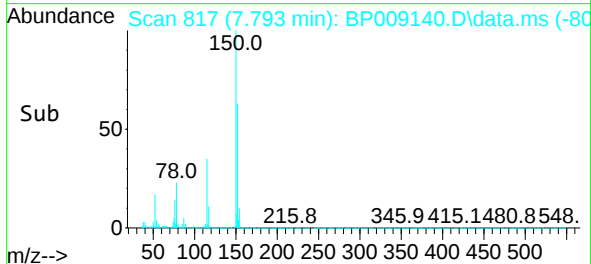
Instrument :
BNA_P
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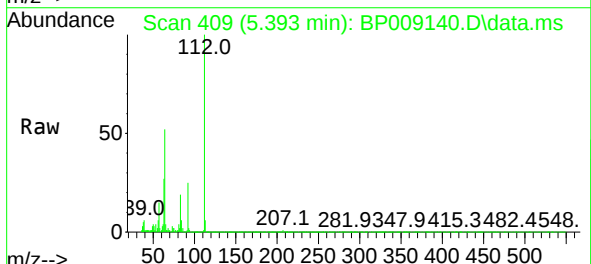
Tgt Ion:152 Resp: 20115
Ion Ratio Lower Upper
152 100
150 159.5 127.0 190.6
115 55.6 43.7 65.5

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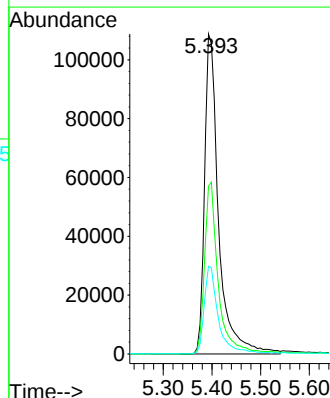
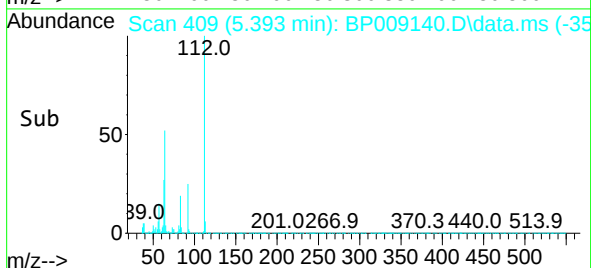
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

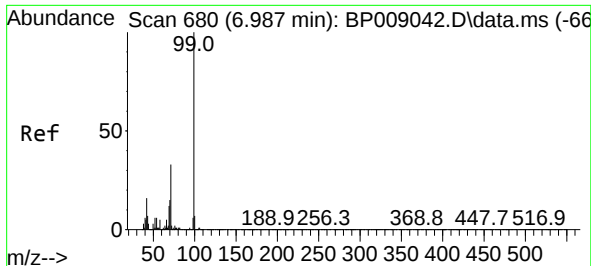


#5
2-Fluorophenol
Concen: 19.289 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20



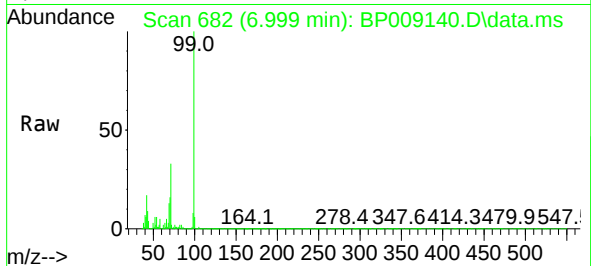
Tgt Ion:112 Resp: 217515
Ion Ratio Lower Upper
112 100
64 52.5 39.7 59.5
63 27.4 20.0 30.0





#7
Phenol-d6
Concen: 16.811 ng
RT: 6.999 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20

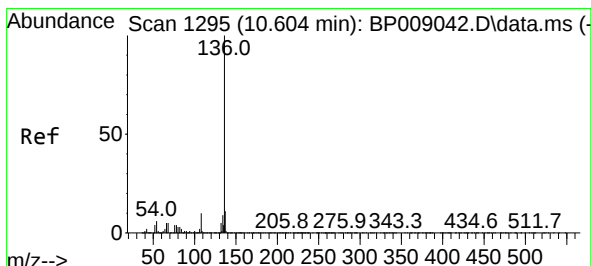
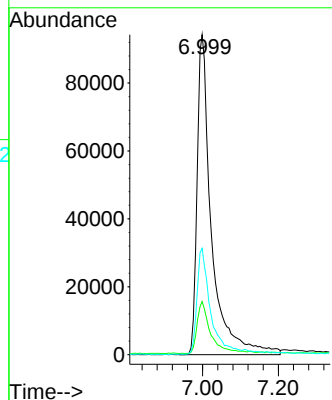
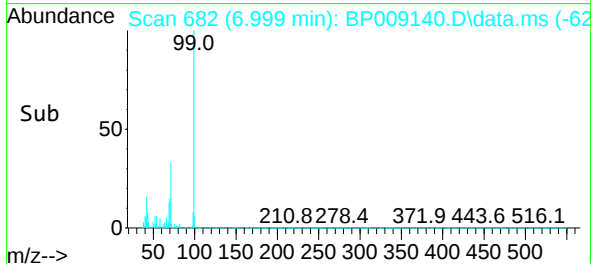
Instrument :
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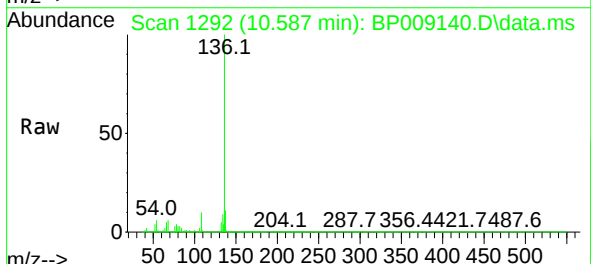
Tgt Ion: 99 Resp: 24979
Ion Ratio Lower Upper
99 100
42 16.6 10.8 16.2
71 33.2 23.8 35.6

Manual Integrations
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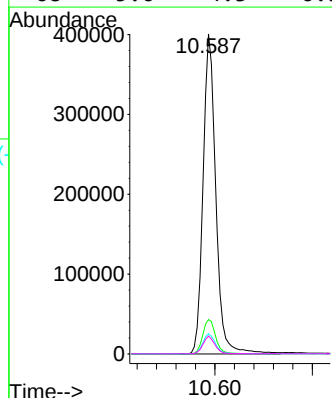
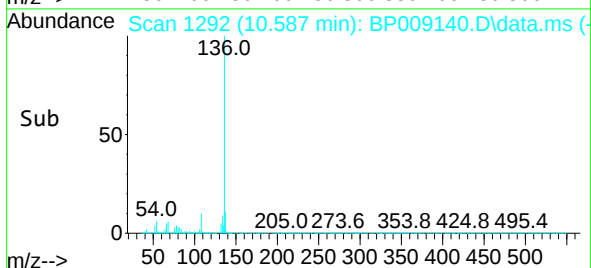
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

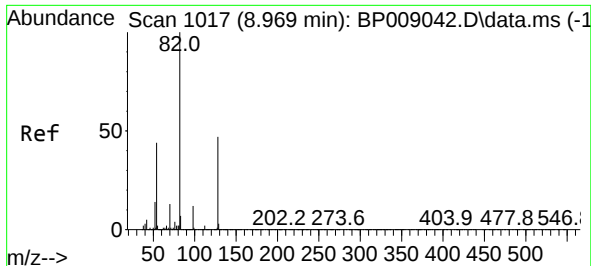


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.017 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20



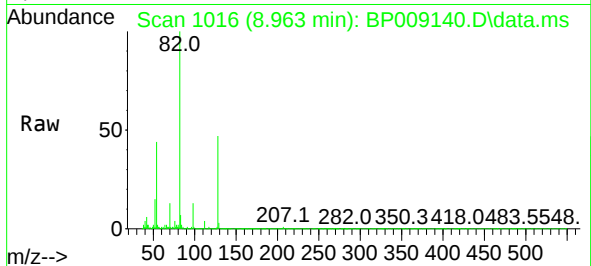
Tgt Ion:136 Resp: 727540
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 6.3 4.9 7.3
68 5.6 4.3 6.5





#23
Nitrobenzene-d5
Concen: 12.631 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20

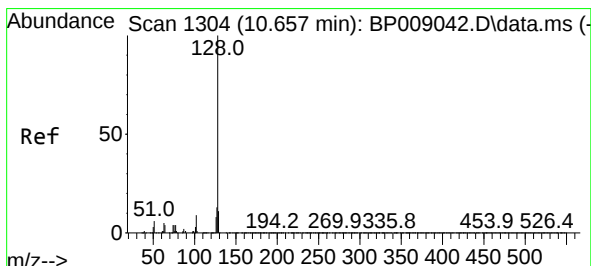
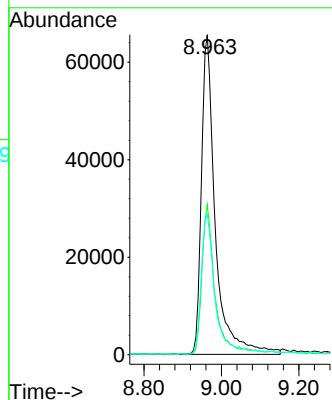
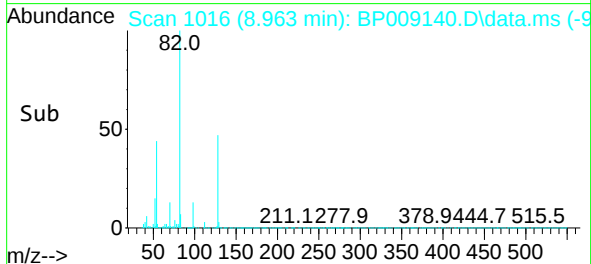
Instrument :
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ClientSampleId :
ASTORIA-YARD-PIT-10DL



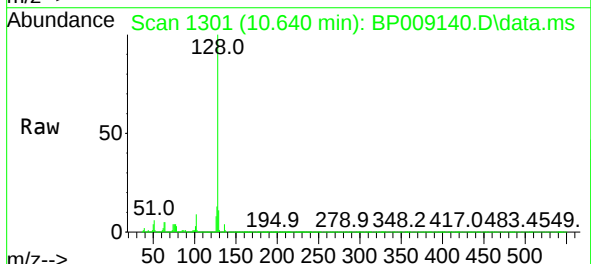
Tgt Ion: 82 Resp: 162949
Ion Ratio Lower Upper
82 100
128 46.9 39.4 59.2
54 44.0 32.6 48.8

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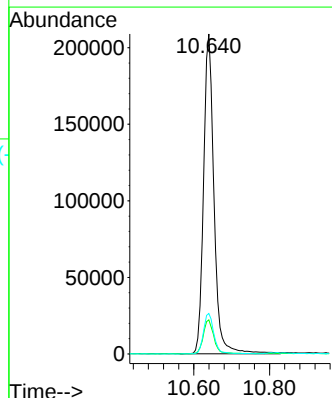
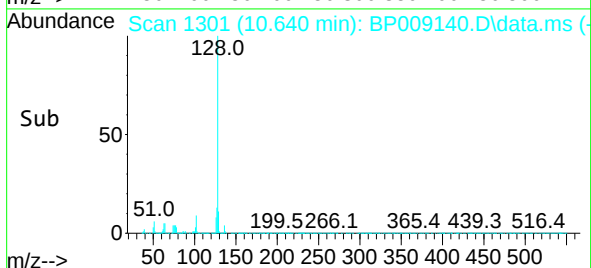
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

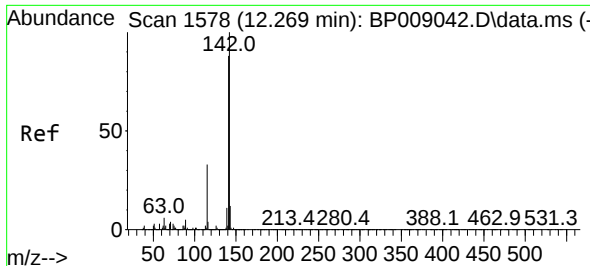


#31
Naphthalene
Concen: 10.761 ng
RT: 10.640 min Scan# 1301
Delta R.T. -0.018 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20



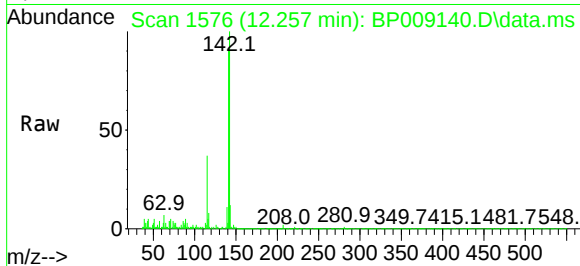
Tgt Ion:128 Resp: 399302
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.7 10.4 15.6





#37
2-Methylnaphthalene
Concen: 2.246 ng m
RT: 12.257 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20

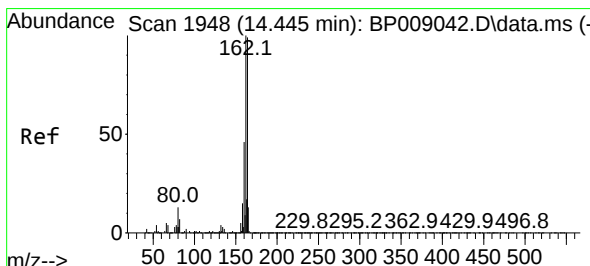
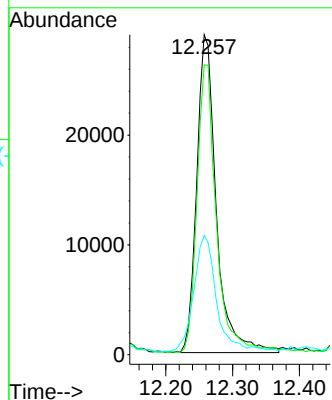
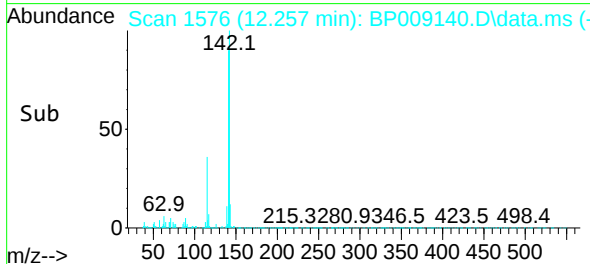
Instrument :
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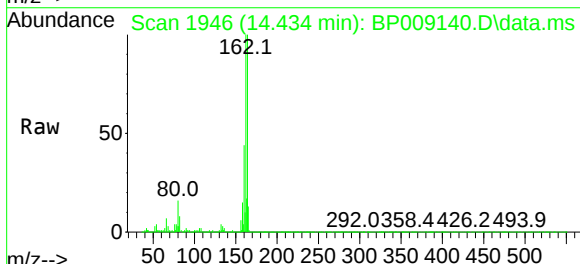
Tgt Ion:142 Resp: 58972
Ion Ratio Lower Upper
142 100
141 90.6 70.5 105.7
115 37.3 24.6 36.8

Manual Integrations
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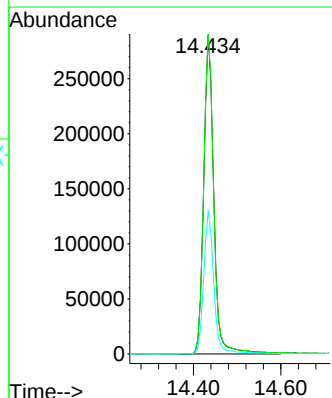
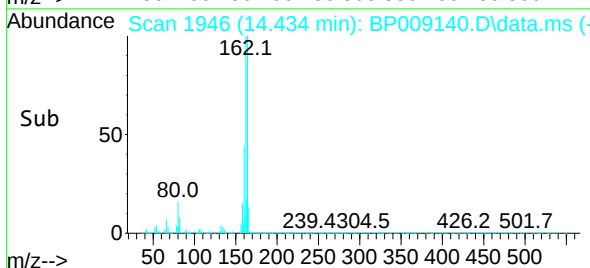
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

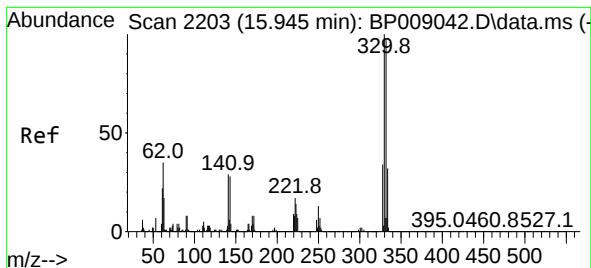


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.434 min Scan# 1946
Delta R.T. -0.011 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20



Tgt Ion:164 Resp: 465563
Ion Ratio Lower Upper
164 100
162 100.4 79.9 119.9
160 44.6 35.5 53.3





#42

2,4,6-Tribromophenol

Concen: 19.968 ng

RT: 15.939 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BP009140.D

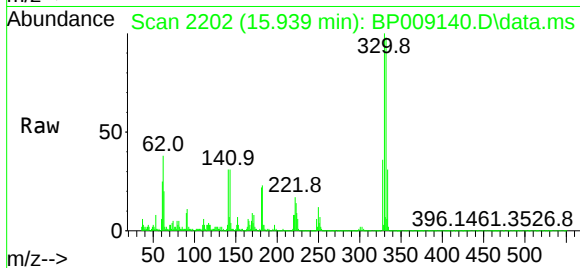
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Instrument :

BNA_P

ClientSampleId :

ASTORIA-YARD-PIT-10DL

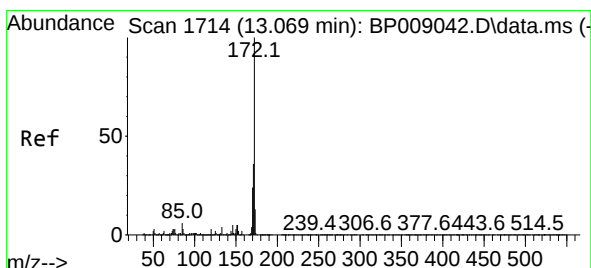
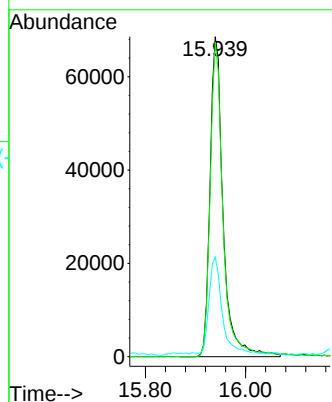
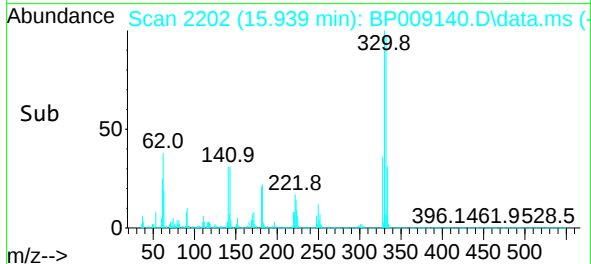


Tgt Ion:	330	Resp:	124120
Ion Ratio	Lower	Upper	
330	100		
332	96.1	77.0	115.4
141	32.3	21.3	31.9

Manual Integrations

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#45

2-Fluorobiphenyl

Concen: 12.110 ng

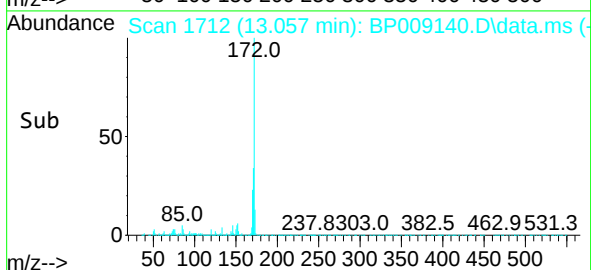
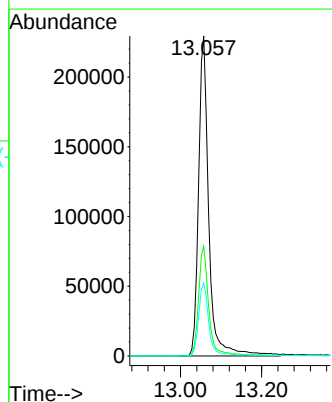
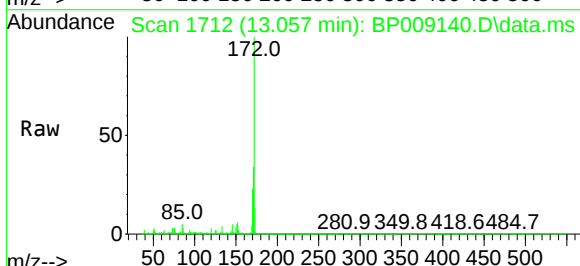
RT: 13.057 min Scan# 1712

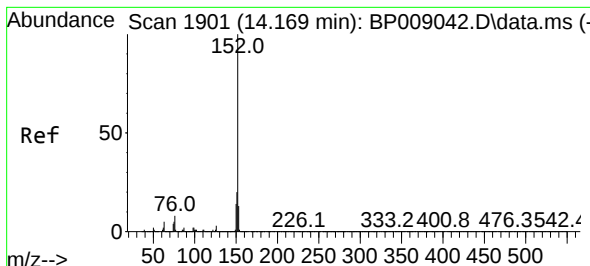
Delta R.T. -0.012 min

Lab File: BP009140.D

Acq: 14 Feb 2022 18:20

Tgt Ion:	172	Resp:	402759
Ion Ratio	Lower	Upper	
172	100		
171	34.3	29.3	43.9
170	22.8	19.5	29.3





#49

Acenaphthylene

Concen: 9.877 ng

RT: 14.157 min Scan# 1899

Delta R.T. -0.012 min

Lab File: BP009140.D

Acq: 14 Feb 2022 18:20

Instrument :

BNA_P

ClientSampleId :

ASTORIA-YARD-PIT-10DL

Tgt Ion:152 Resp: 40476

Ion Ratio Lower Upper

152 100

151 20.6 16.1 24.1

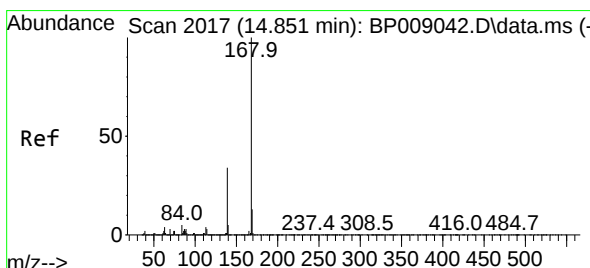
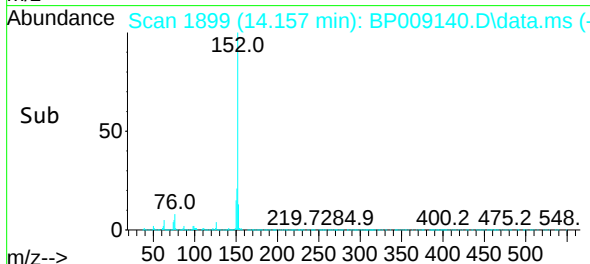
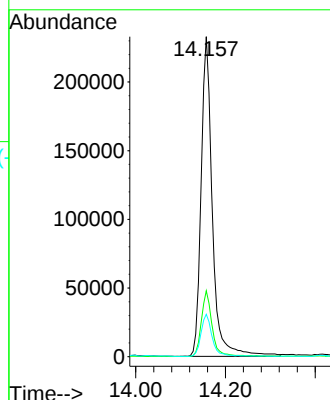
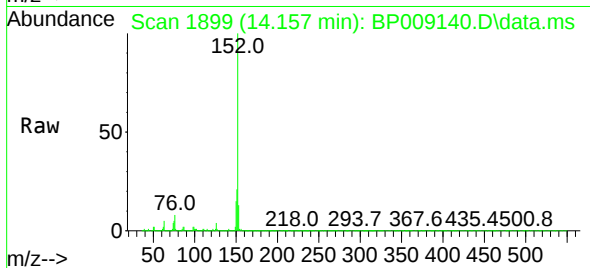
153 13.3 10.6 16.0

Manual Integrations

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Supervised By :Yogesh Patel 02/18/2022



#55

Dibenzofuran

Concen: 2.921 ng

RT: 14.840 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BP009140.D

Acq: 14 Feb 2022 18:20

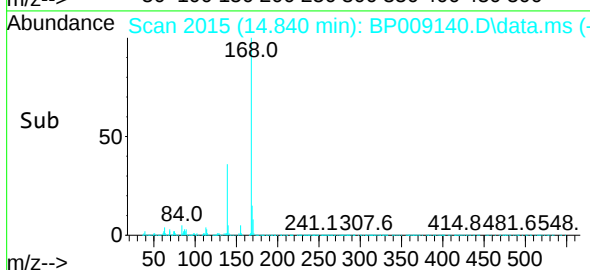
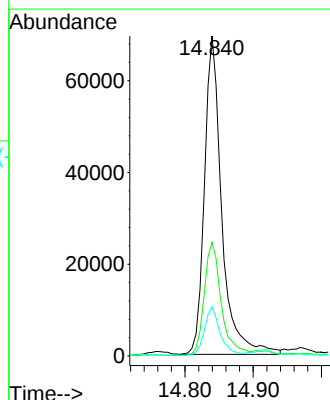
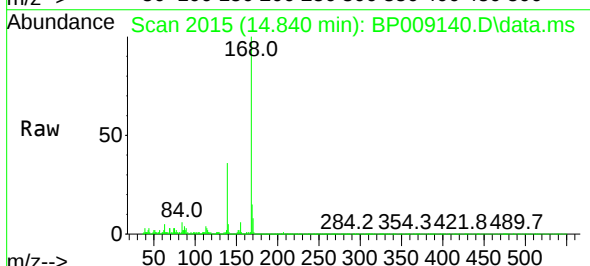
Tgt Ion:168 Resp: 122692

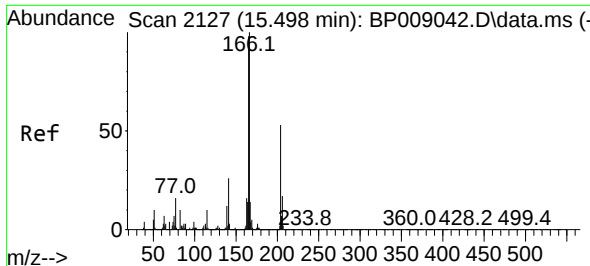
Ion Ratio Lower Upper

168 100

139 35.5 27.4 41.0

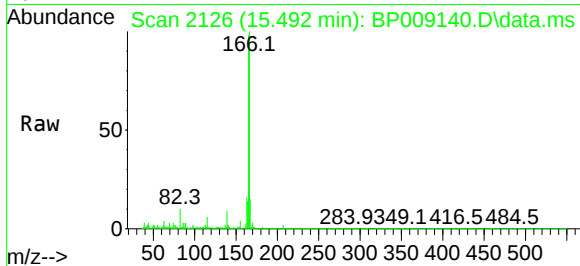
169 15.4 10.9 16.3





#58
Fluorene
Concen: 3.508 ng
RT: 15.492 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP009140.D
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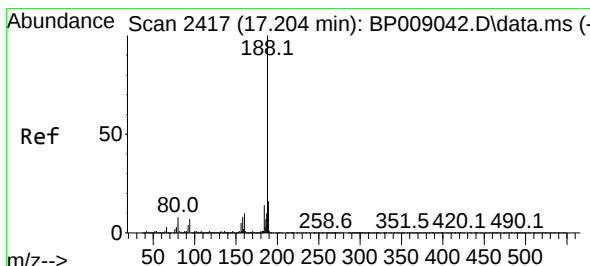
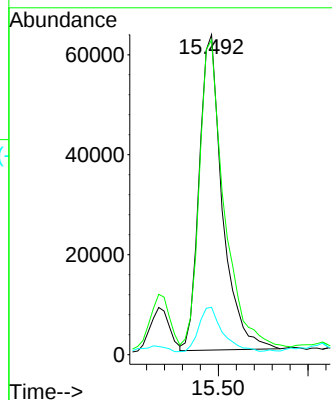
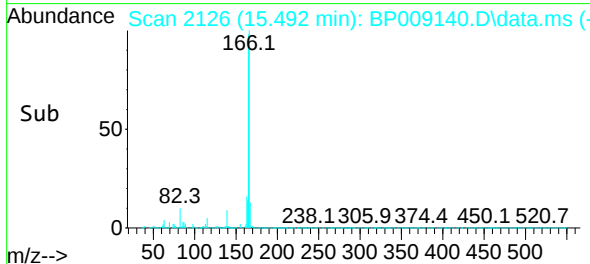
Instrument :
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ClientSampleId :
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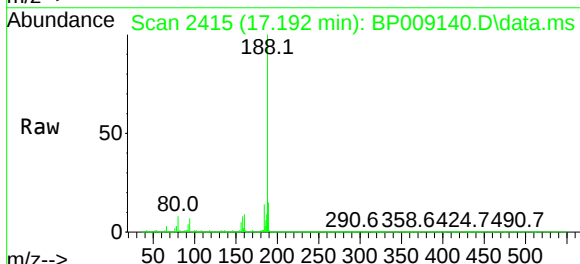
Tgt Ion:166 Resp: 11320
Ion Ratio Lower Upper
166 100
165 98.4 77.2 115.8
167 14.8 11.2 16.8

Manual Integrations
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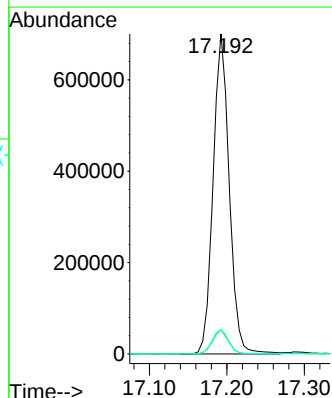
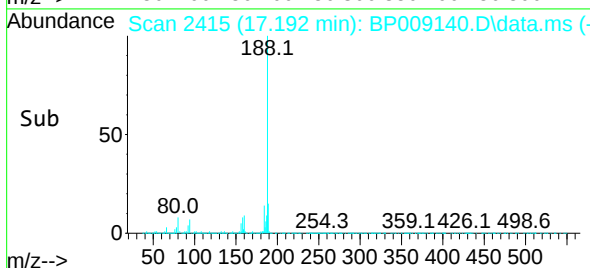
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

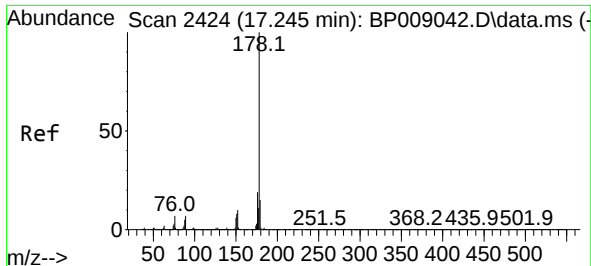


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20



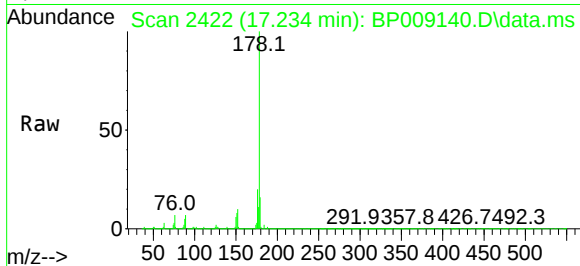
Tgt Ion:188 Resp: 1012486
Ion Ratio Lower Upper
188 100
94 7.5 6.8 10.2
80 7.6 7.2 10.8





#71
Phenanthrene
Concen: 30.938 ng
RT: 17.234 min Scan# 2424
Delta R.T. -0.012 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20

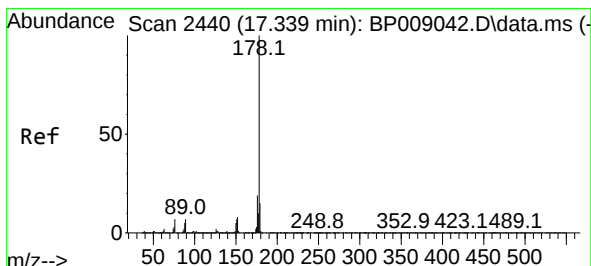
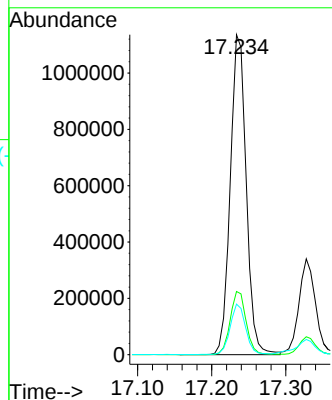
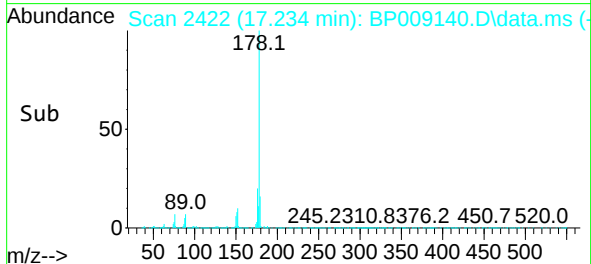
Instrument : BNA_P
Client Sample Id : ASTORIA-YARD-PIT-10DL



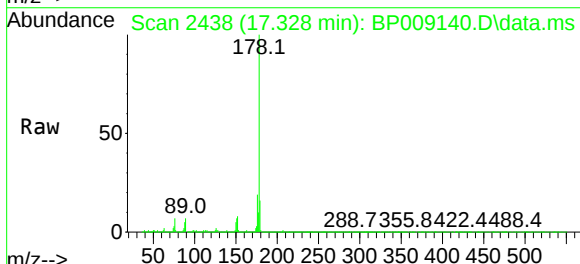
Tgt Ion:178 Resp: 169612
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.8 13.0 19.4

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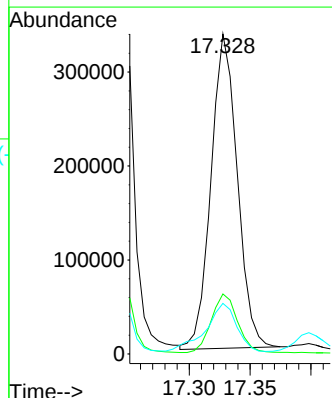
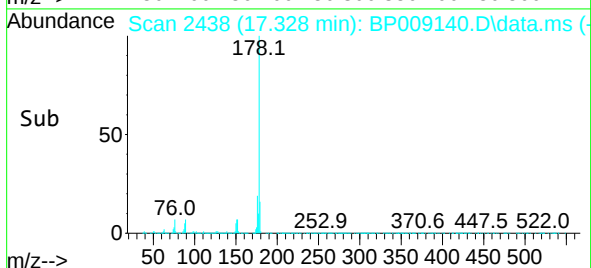
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

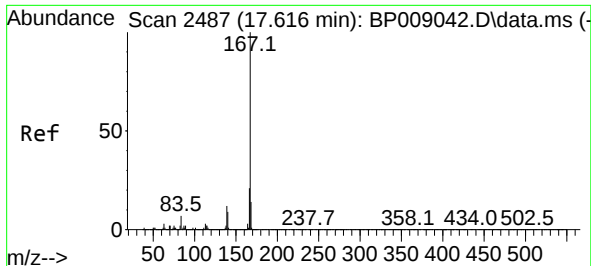


#72
Anthracene
Concen: 9.375 ng
RT: 17.328 min Scan# 2438
Delta R.T. -0.012 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20



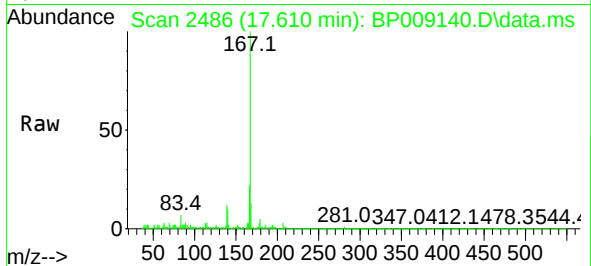
Tgt Ion:178 Resp: 502828
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.8 12.8 19.2





#73
 Carbazole
 Concen: 3.223 ng
 RT: 17.610 min Scan# 2487
 Delta R.T. -0.006 min
 Lab File: BP009140.D
 Acq: 14 Feb 2022 18:20

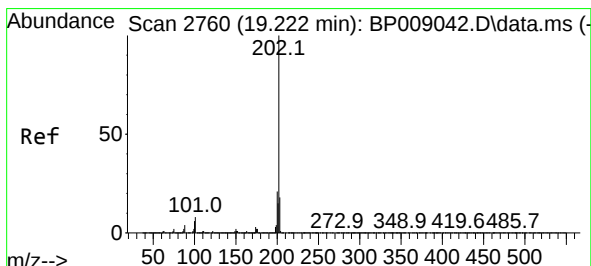
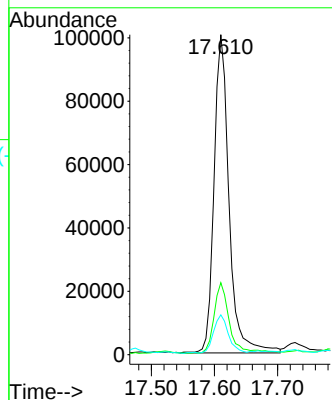
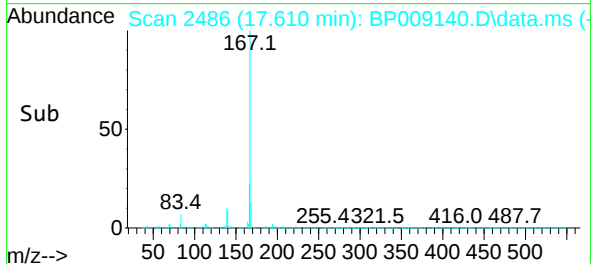
Instrument :
 BNA_P
 ClientSampleId :
 ASTORIA-YARD-PIT-10DL



Tgt Ion:167 Resp: 16570
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.7 26.5
 139 12.4 9.8 14.6

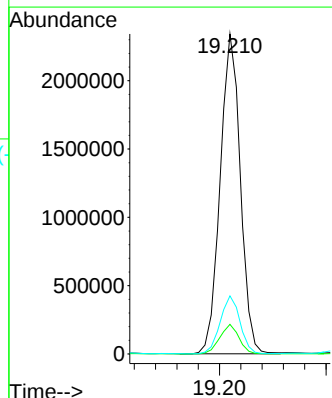
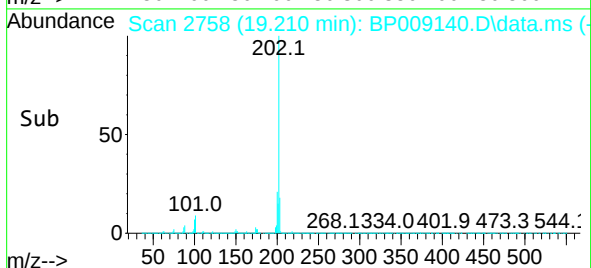
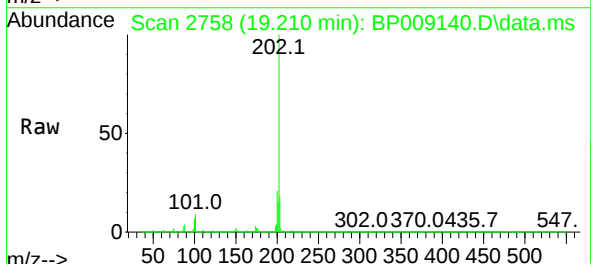
Manual Integrations
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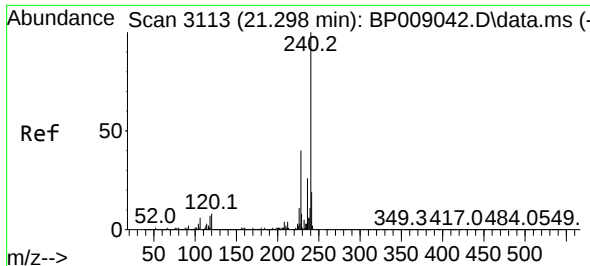
Reviewed By :Jagrut Upadhyay 02/15/2022
 Supervised By :Yogesh Patel 02/18/2022



#75
 Fluoranthene
 Concen: 50.030 ng
 RT: 19.210 min Scan# 2758
 Delta R.T. -0.012 min
 Lab File: BP009140.D
 Acq: 14 Feb 2022 18:20

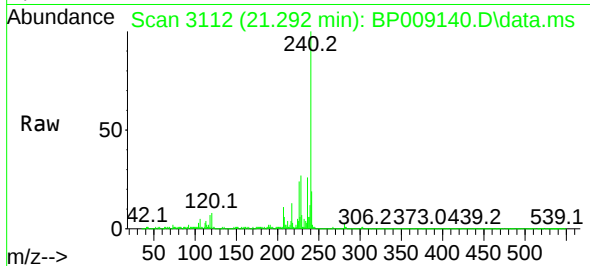
Tgt Ion:202 Resp: 3074091
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 30.7
 203 18.2 0.0 38.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20

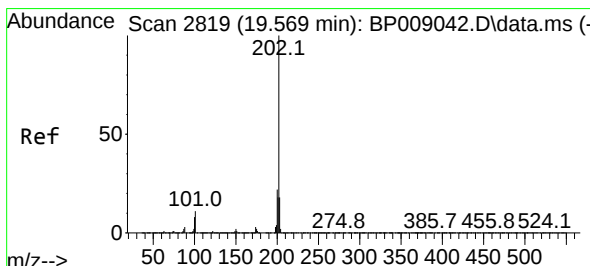
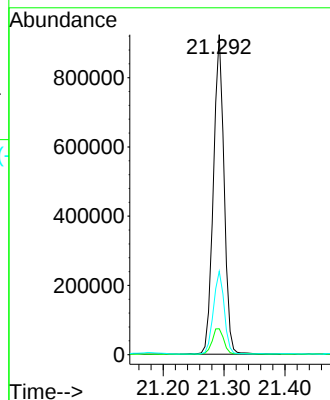
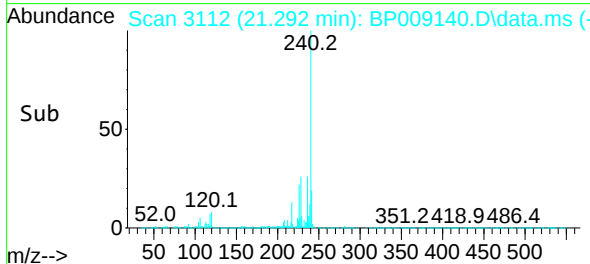
Instrument :
BNA_P
ClientSampleId :
ASTORIA-YARD-PIT-10DL



Tgt Ion:240 Resp: 1123230
Ion Ratio Lower Upper
240 100
120 8.1 7.7 11.5
236 26.0 21.2 31.8

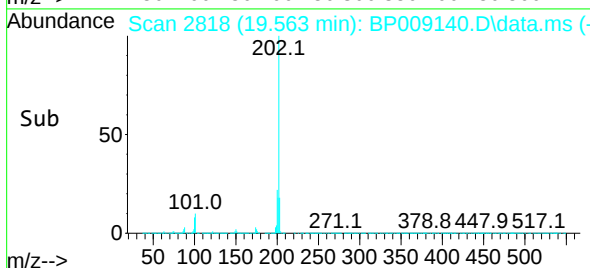
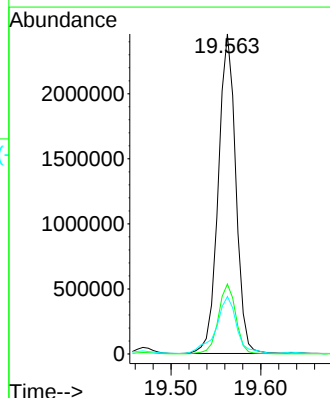
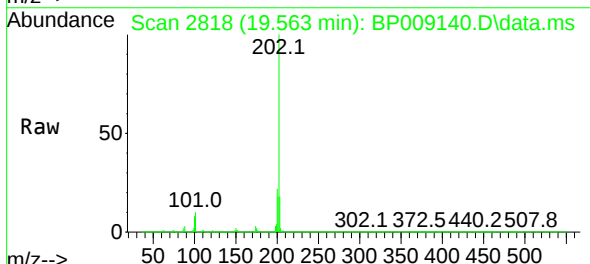
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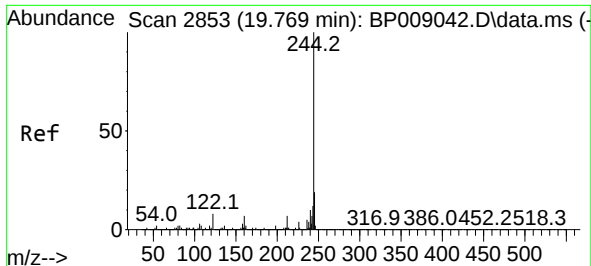
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022



#78
Pyrene
Concen: 41.726 ng
RT: 19.563 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20

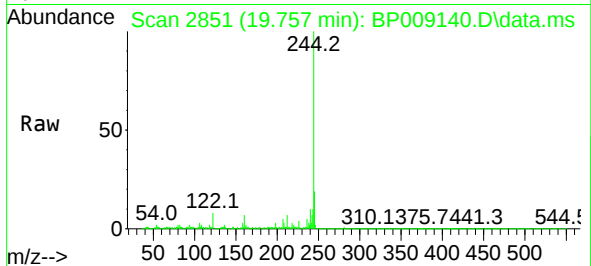
Tgt Ion:202 Resp: 3333993
Ion Ratio Lower Upper
202 100
200 21.9 18.0 27.0
203 18.0 15.0 22.6





#79
 Terphenyl-d14
 Concen: 10.629 ng
 RT: 19.757 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP009140.D
 Acq: 14 Feb 2022 18:20

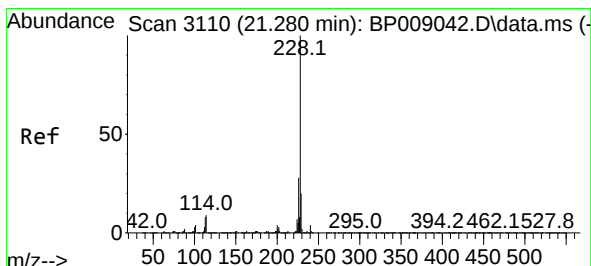
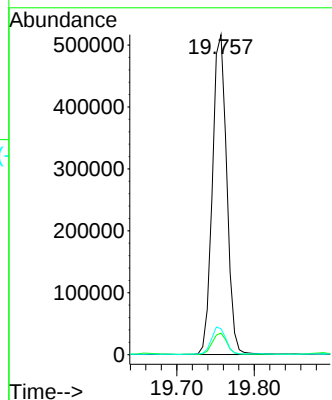
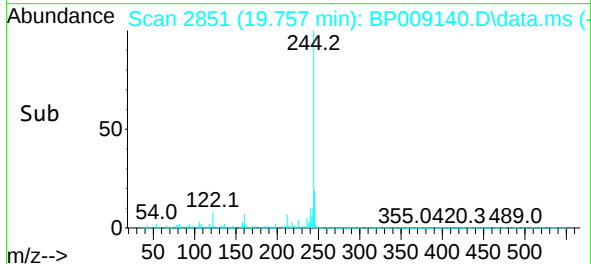
Instrument :
 BNA_P
 ClientSampleId :
 ASTORIA-YARD-PIT-10DL



Tgt Ion:244 Resp: 66386
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 8.1 9.2 13.8

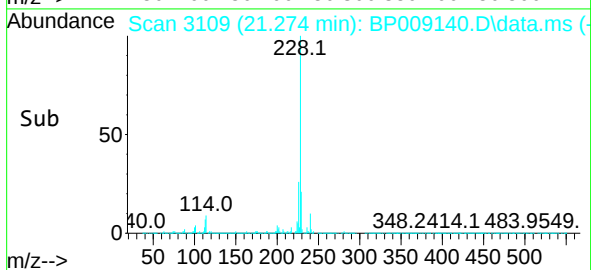
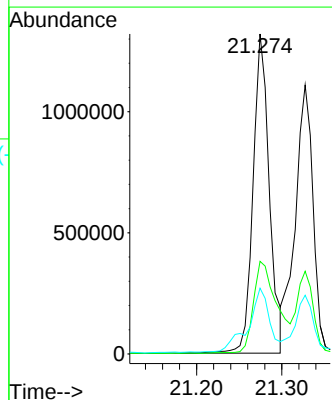
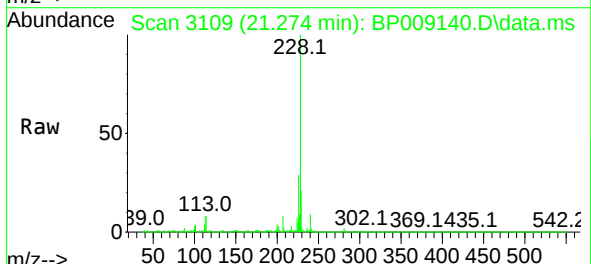
Manual Integrations
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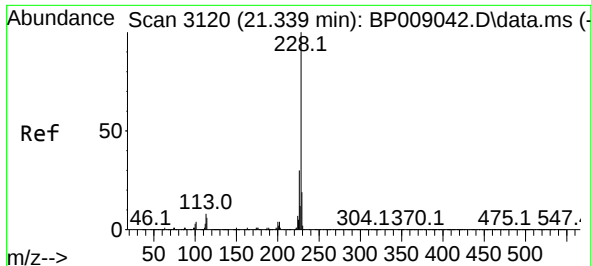
Reviewed By :Jagrut Upadhyay 02/15/2022
 Supervised By :Yogesh Patel 02/18/2022



#81
 Benzo(a)anthracene
 Concen: 24.164 ng
 RT: 21.274 min Scan# 3109
 Delta R.T. -0.006 min
 Lab File: BP009140.D
 Acq: 14 Feb 2022 18:20

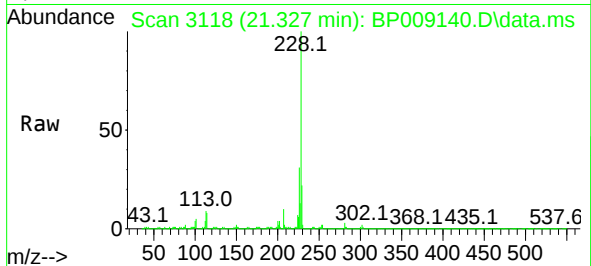
Tgt Ion:228 Resp: 1749095
 Ion Ratio Lower Upper
 228 100
 226 29.0 23.3 34.9
 229 20.6 17.0 25.6





#83
Chrysene
Concen: 23.120 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.012 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20

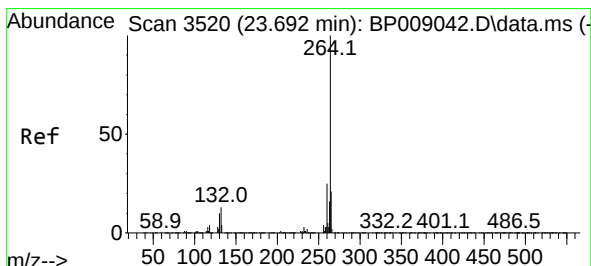
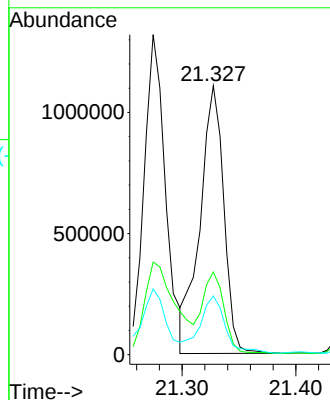
Instrument :
BNA_P
ClientSampleId :
ASTORIA-YARD-PIT-10DL



Tgt Ion:228 Resp: 161331
Ion Ratio Lower Upper
228 100
226 30.8 26.0 39.0
229 21.8 16.9 25.3

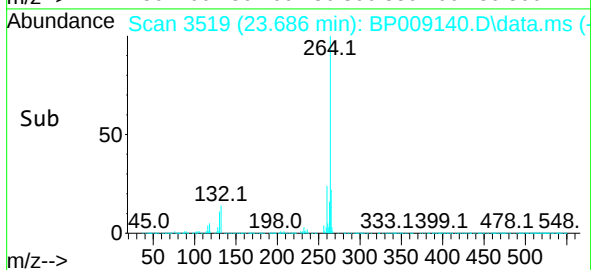
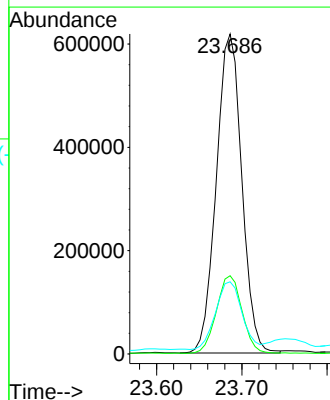
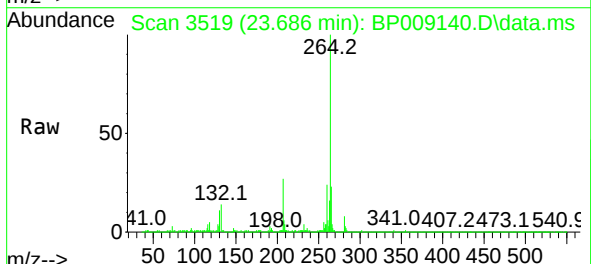
Manual Integrations
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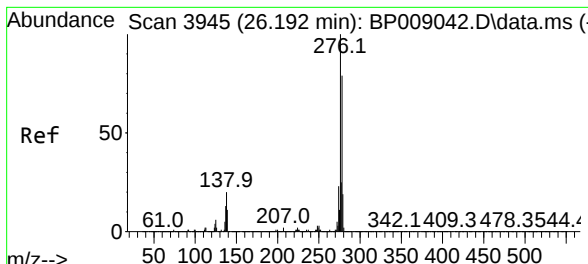
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.686 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20

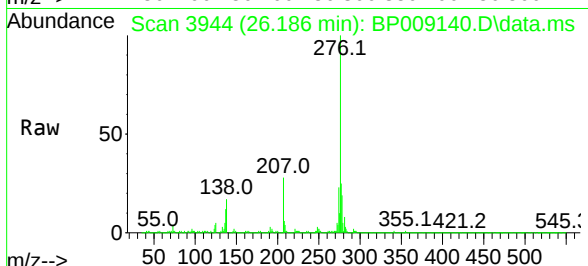
Tgt Ion:264 Resp: 1284404
Ion Ratio Lower Upper
264 100
260 24.5 19.1 28.7
265 22.5 17.1 25.7





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 18.960 ng
 RT: 26.186 min Scan# 3944
 Delta R.T. -0.006 min
 Lab File: BP009140.D
 Acq: 14 Feb 2022 18:20

Instrument : BNA_P
 ClientSampleId : ASTORIA-YARD-PIT-10DL

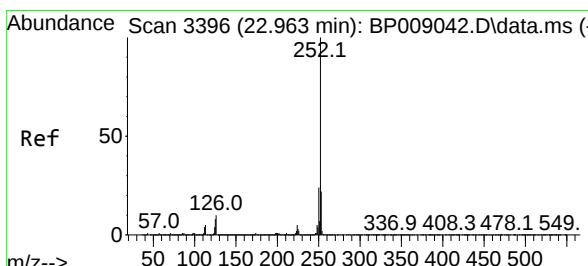
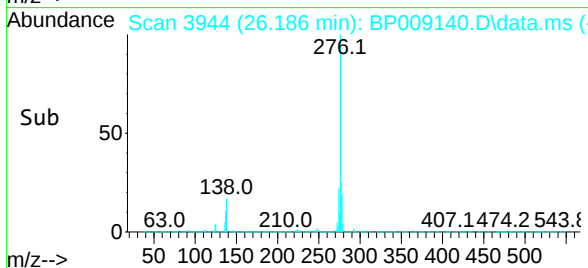
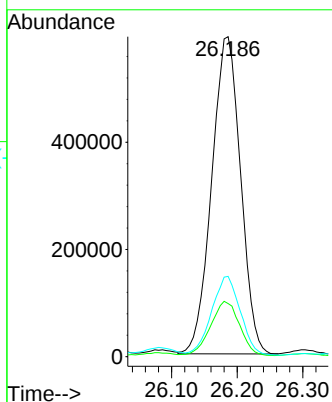


Tgt Ion: 276 Resp: 180946

Ion	Ratio	Lower	Upper
276	100		
138	17.2	17.8	26.6
277	24.6	20.4	30.6

Manual Integrations
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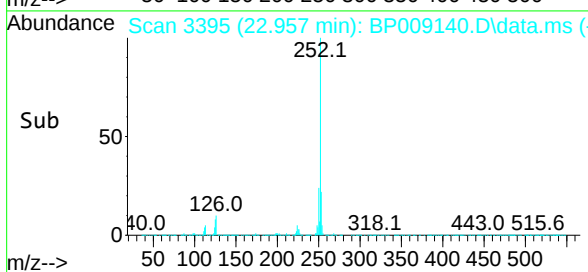
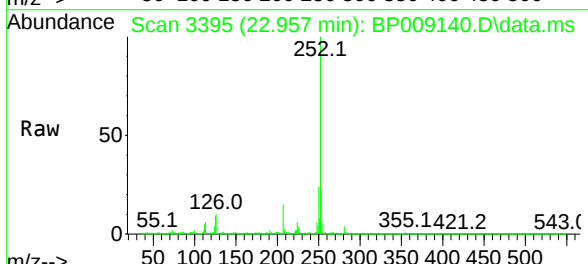
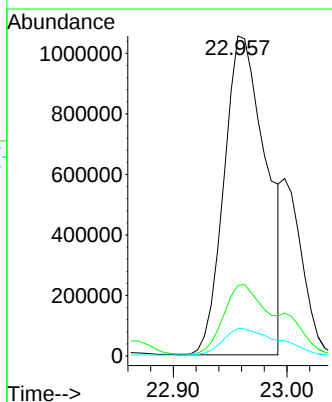
Reviewed By : Jagrut Upadhyay 02/15/2022
 Supervised By : Yogesh Patel 02/18/2022

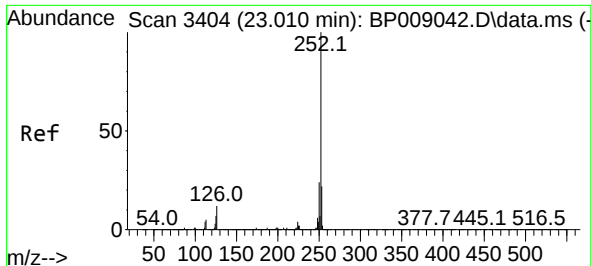


#88
 Benzo(b)fluoranthene
 Concen: 34.263 ng m
 RT: 22.957 min Scan# 3395
 Delta R.T. -0.006 min
 Lab File: BP009140.D
 Acq: 14 Feb 2022 18:20

Tgt Ion: 252 Resp: 2709165

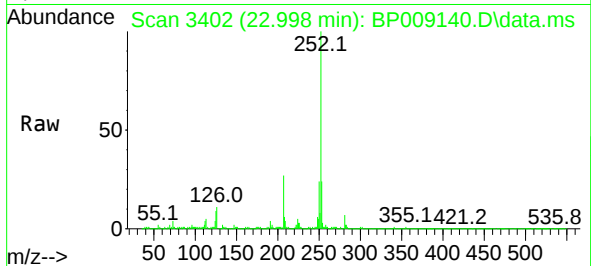
Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	8.6	6.9	10.3





#89
Benzo(k)fluoranthene
Concen: 9.053 ng m
RT: 22.998 min Scan# 3404
Delta R.T. -0.012 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20

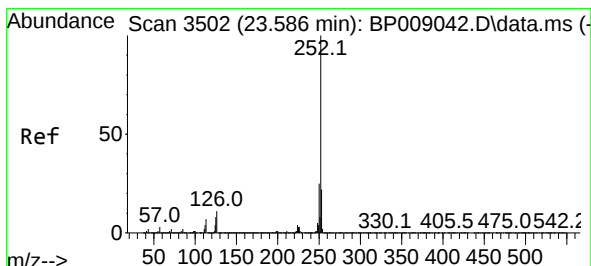
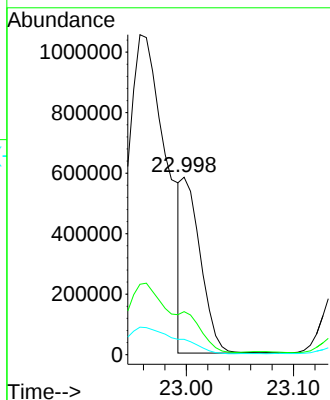
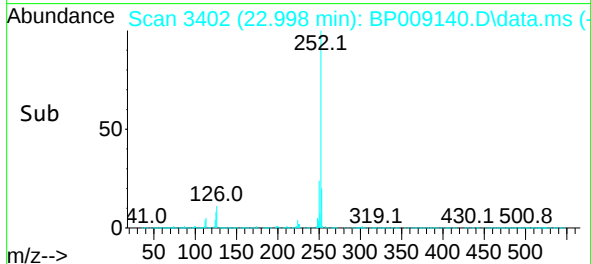
Instrument :
BNA_P
ClientSampleId :
ASTORIA-YARD-PIT-10DL



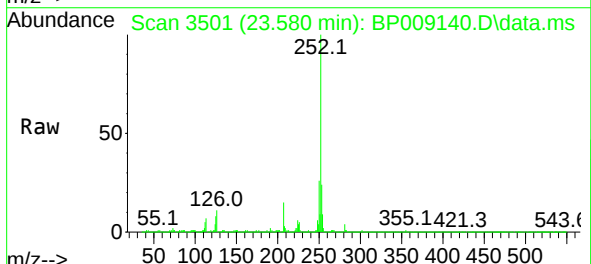
Tgt Ion:252 Resp: 714178
Ion Ratio Lower Upper
252 100
253 24.3 18.2 27.2
125 8.7 7.3 10.9

Manual Integrations
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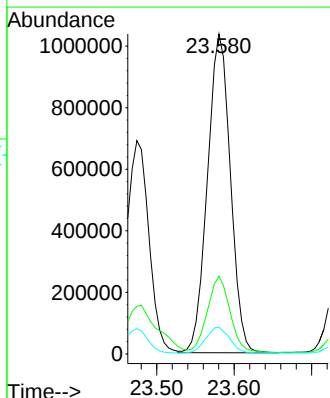
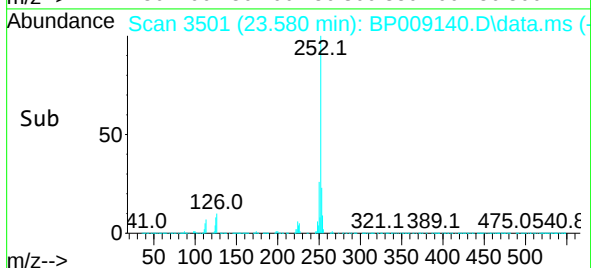
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

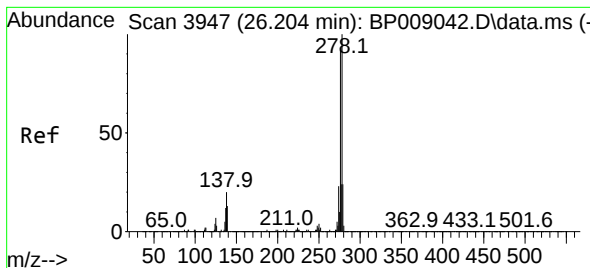


#90
Benzo(a)pyrene
Concen: 32.331 ng
RT: 23.580 min Scan# 3501
Delta R.T. -0.006 min
Lab File: BP009140.D
Acq: 14 Feb 2022 18:20



Tgt Ion:252 Resp: 2131349
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 8.4 7.8 11.6





#91

Dibenzo(a,h)anthracene

Concen: 4.842 ng

RT: 26.186 min Scan# 3947

Delta R.T. -0.018 min

Lab File: BP009140.D

Acq: 14 Feb 2022 18:20

Instrument :

BNA_P

ClientSampleId :

ASTORIA-YARD-PIT-10DL

Tgt Ion:278 Resp: 37974

Ion Ratio Lower Upper

278 100

139 0.0 11.5 17.3

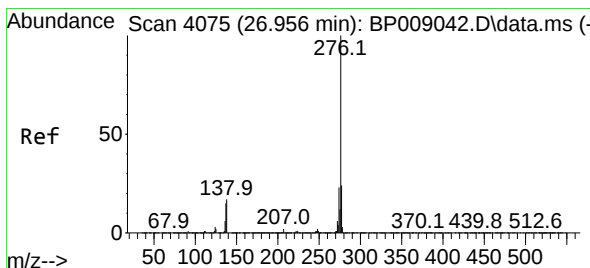
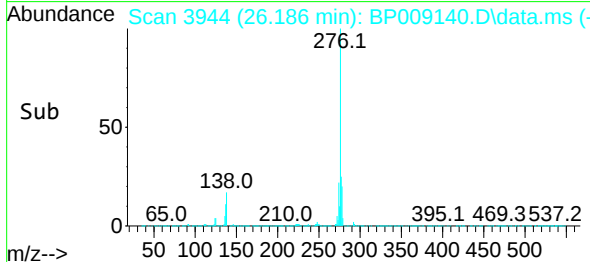
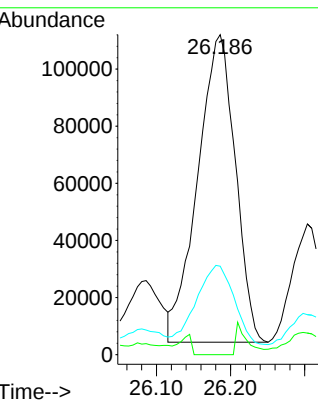
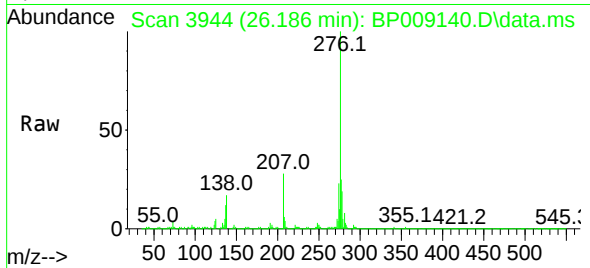
279 27.7 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/15/2022

Supervised By :Yogesh Patel 02/18/2022



#92

Benzo(g,h,i)perylene

Concen: 24.831 ng

RT: 26.951 min Scan# 4074

Delta R.T. -0.006 min

Lab File: BP009140.D

Acq: 14 Feb 2022 18:20

Tgt Ion:276 Resp: 1938991

Ion Ratio Lower Upper

276 100

277 24.1 19.2 28.8

138 17.7 15.0 22.4

