

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
 Data File : BP009575.D
 Acq On : 28 Mar 2022 20:36
 Operator : CG/JU
 Sample : N2125-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RO-124030

Manual Integrations
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Reviewed By : Christian Giraldo 03/29/2022
 Supervised By : Jagrut Upadhyay 03/29/2022

Quant Time: Mar 29 03:13:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 06:34:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							03/29/2022
1) 1,4-Dichlorobenzene-d4	7.763	152	295236	20.000	ng	-0.01	Supervised By : Jagrut Upadhyay
21) Naphthalene-d8	10.557	136	1221234	20.000	ng	0.00	
39) Acenaphthene-d10	14.416	164	789322	20.000	ng	0.00	
64) Phenanthrene-d10	17.180	188	1562677	20.000	ng	0.00	
76) Chrysene-d12	21.298	240	1598655	20.000	ng	0.00	
86) Perylene-d12	23.686	264	1781442	20.000	ng	0.00	03/29/2022
System Monitoring Compounds							
5) 2-Fluorophenol	5.375	112	1787116	105.684	ng	0.00	
7) Phenol-d6	6.957	99	2345066	102.547	ng	0.00	
23) Nitrobenzene-d5	8.922	82	1430136	62.231	ng	-0.01	
42) 2,4,6-Tribromophenol	15.916	330	1015827	77.989	ng	0.00	
45) 2-Fluorobiphenyl	13.034	172	2482691	43.604	ng	0.00	
79) Terphenyl-d14	19.757	244	4566003	51.265	ng	0.00	
Target Compounds							Qvalue
27) 2,4-Dimethylphenol	9.793	122	37508	2.349	ng		96
31) Naphthalene	10.610	128	9943002	158.062	ng		99
37) 2-Methylnaphthalene	12.234	142	8593598	194.703	ng		99
38) 1-Methylnaphthalene	12.451	142	5164555	120.115	ng		99
46) 1,1'-Biphenyl	13.245	154	2568348	43.617	ng		99
49) Acenaphthylene	14.134	152	457866	6.398	ng	#	86
52) Acenaphthene	14.481	154	6866700	160.621	ng		99
55) Dibenzofuran	14.822	168	10103707	140.679	ng		97
58) Fluorene	15.475	166	9069531	160.564	ng		98
70) Pentachlorophenol	16.851	266	82280	6.994	ng		98
71) Phenanthrene	17.222	178	21900349m	261.807	ng		
72) Anthracene	17.322	178	5473747	66.276	ng		99
73) Carbazole	17.592	167	6545280	81.035	ng		99
75) Fluoranthene	19.210	202	15840455	156.415	ng		86
78) Pyrene	19.563	202	13001835	123.422	ng		96
81) Benzo(a)anthracene	21.280	228	3983239	37.925	ng		98
83) Chrysene	21.333	228	3055370	30.721	ng		96
87) Indeno(1,2,3-cd)pyrene	26.174	276	645118	4.773	ng	#	93
88) Benzo(b)fluoranthene	22.962	252	2492040	23.433	ng		99
89) Benzo(k)fluoranthene	23.004	252	847067m	8.135	ng		
90) Benzo(a)pyrene	23.580	252	1438245	15.807	ng		97
92) Benzo(g,h,i)perylene	26.939	276	558780	5.043	ng		95

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

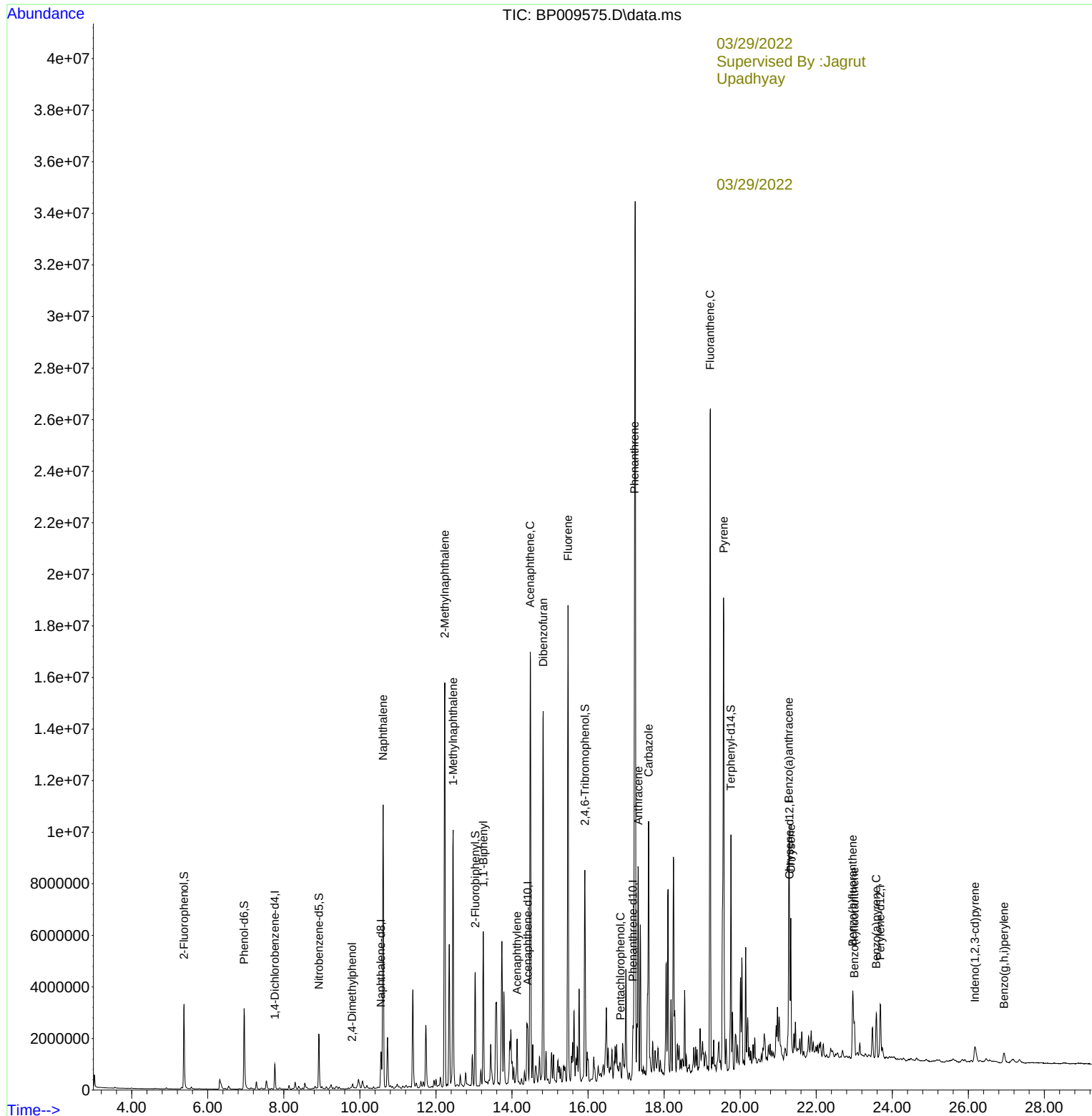
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009575.D
Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

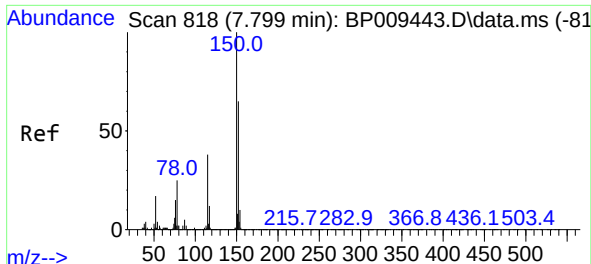
Instrument :
BNA_P
ClientSampleId :
RO-124030

Quant Time: Mar 29 03:13:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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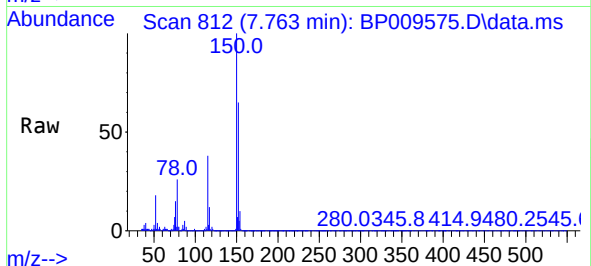
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

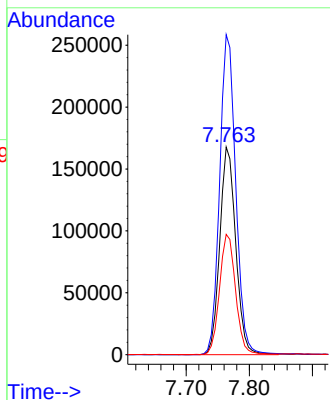
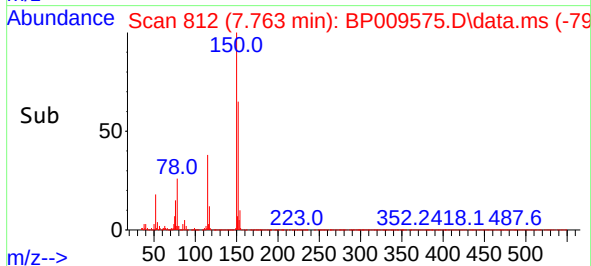
Instrument :
BNA_P
ClientSampleId :
RO-124030



Tgt Ion:152 Resp: 295230
Ion Ratio Lower Upper
152 100
150 154.0 124.5 186.7
115 57.9 48.2 72.4

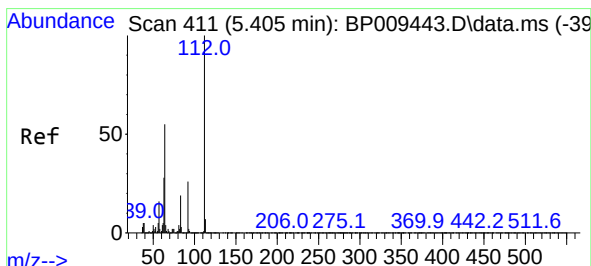
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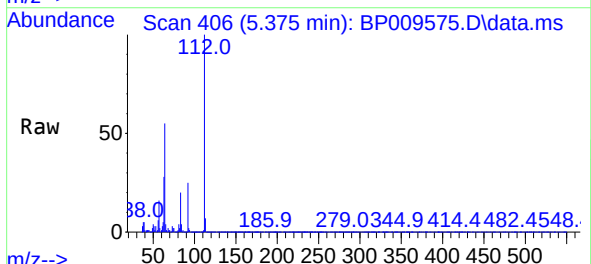


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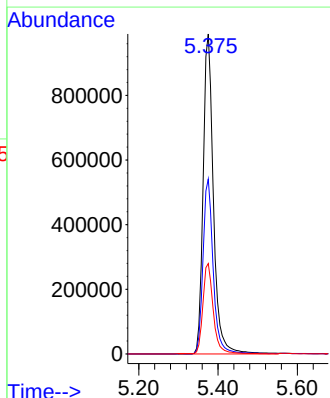
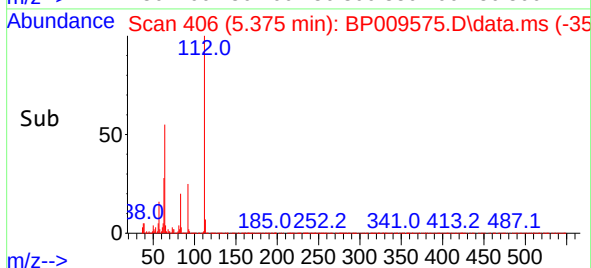
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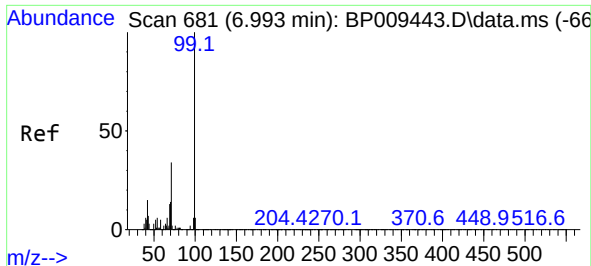


#5
2-Fluorophenol
Concen: 105.684 ng
RT: 5.375 min Scan# 406
Delta R.T. -0.000 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36



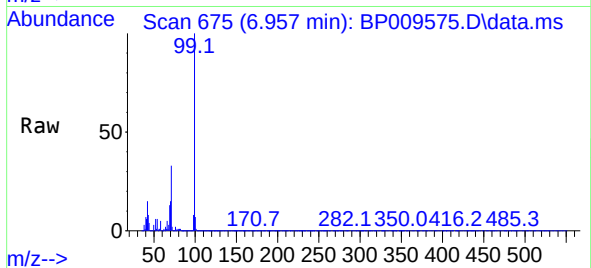
Tgt Ion:112 Resp: 1787116
Ion Ratio Lower Upper
112 100
64 54.6 45.0 67.4
63 28.2 23.0 34.6





#7
Phenol-d6
Concen: 102.547 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

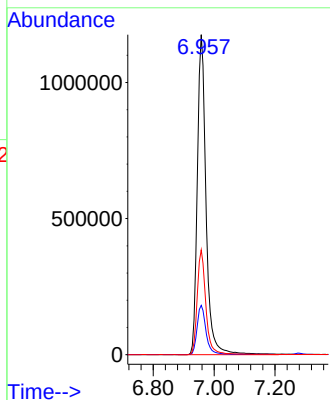
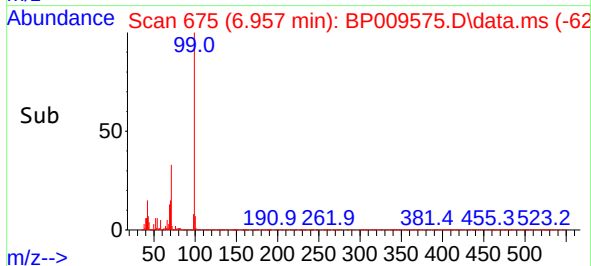
Instrument :
BNA_P
ClientSampleId :
RO-124030



Tgt Ion: 99 Resp: 234506
Ion Ratio Lower Upper
99 100
42 15.4 12.8 19.2
71 32.7 26.3 39.5

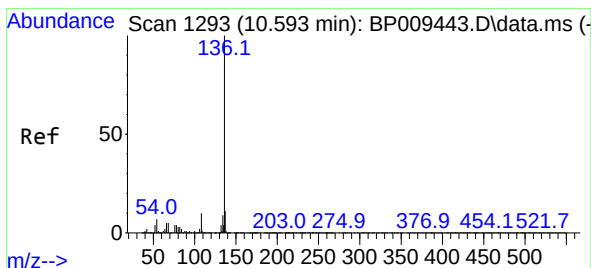
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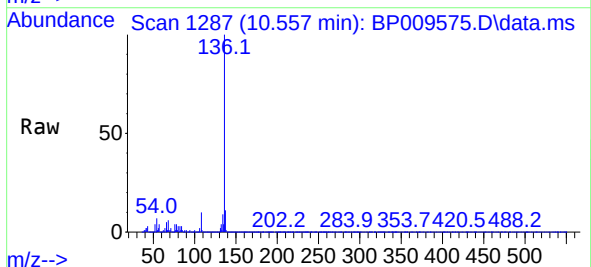


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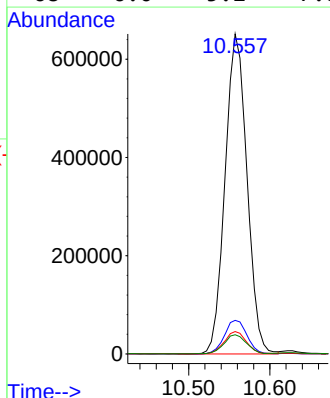
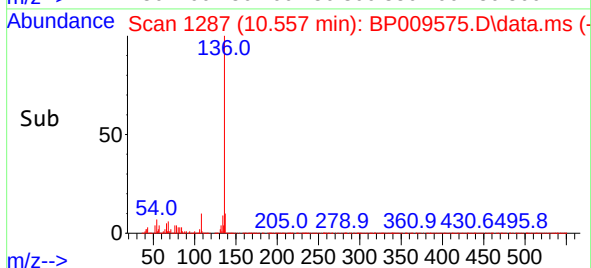
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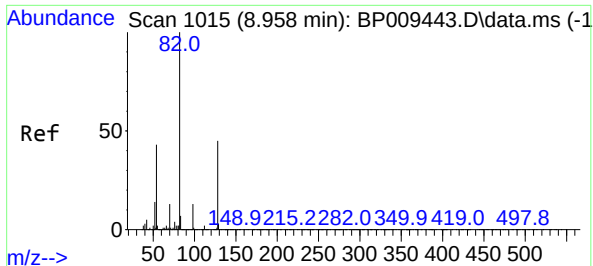


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36



Tgt Ion:136 Resp: 1221234
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.0 5.8 8.8
68 6.0 5.2 7.8





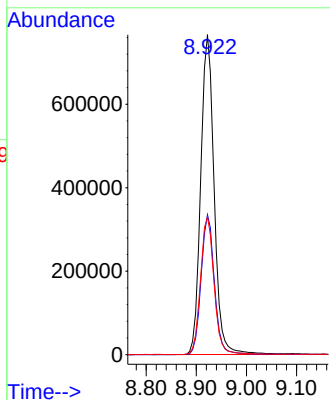
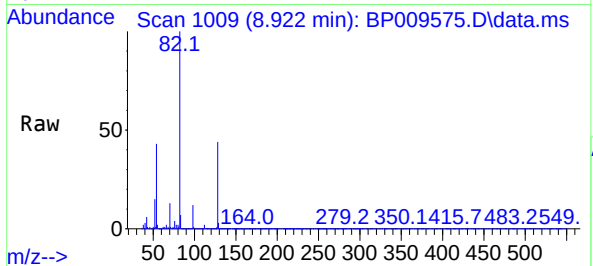
#23
Nitrobenzene-d5
Concen: 62.231 ng
RT: 8.922 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

Instrument :
BNA_P
ClientSampleId :
RO-124030

Tgt Ion: 82 Resp: 1430130
Ion Ratio Lower Upper
82 100
128 43.8 34.2 51.4
54 43.1 34.7 52.1

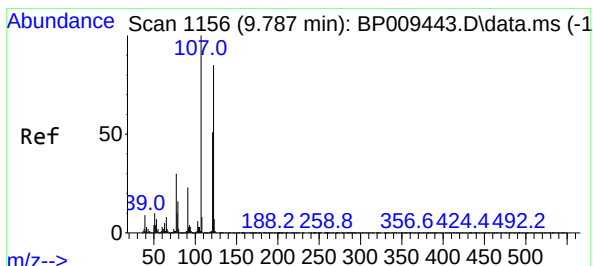
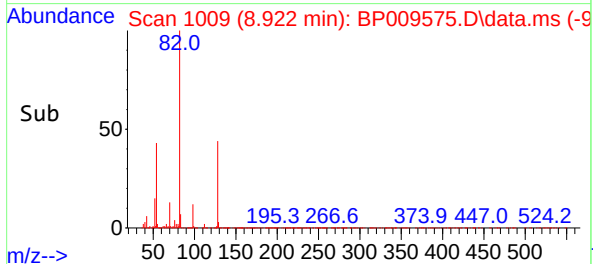
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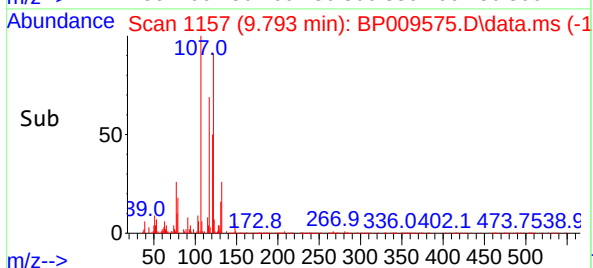
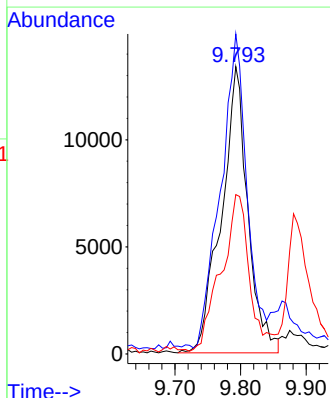
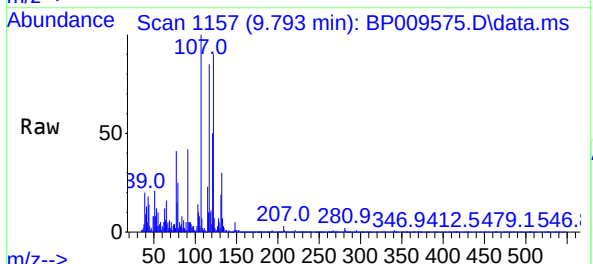
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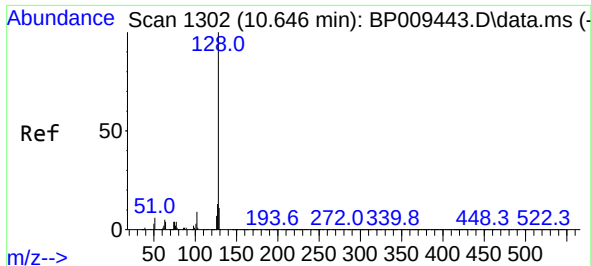
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#27
2,4-Dimethylphenol
Concen: 2.349 ng
RT: 9.793 min Scan# 1157
Delta R.T. 0.035 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

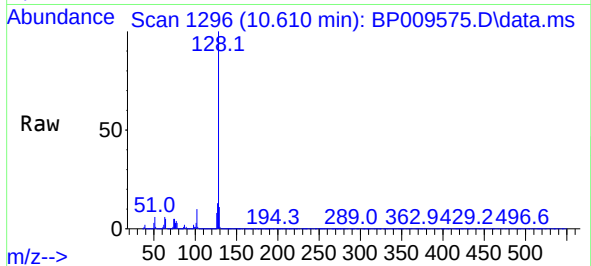
Tgt Ion:122 Resp: 37508
Ion Ratio Lower Upper
122 100
107 111.3 92.6 138.8
121 55.4 46.7 70.1





#31
Naphthalene
Concen: 158.062 ng
RT: 10.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

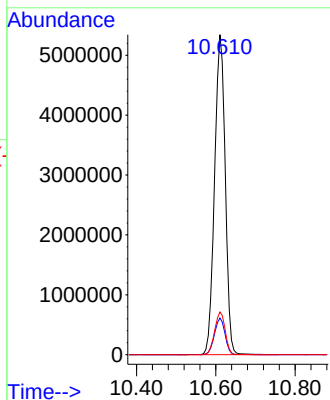
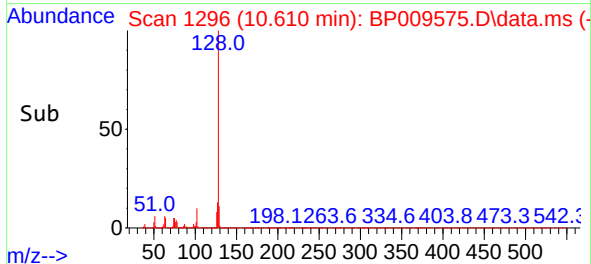
Instrument :
BNA_P
ClientSampleId :
RO-124030



Tgt Ion:128 Resp: 994300
Ion Ratio Lower Upper
128 100
129 11.5 8.6 13.0
127 13.4 10.5 15.7

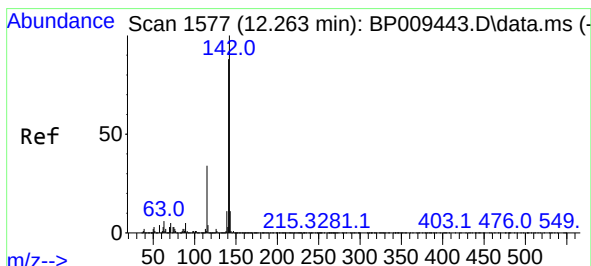
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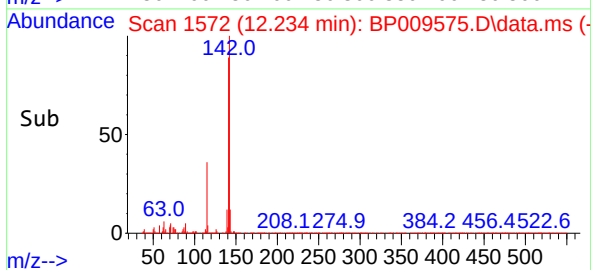
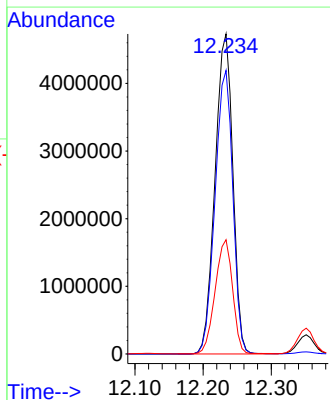
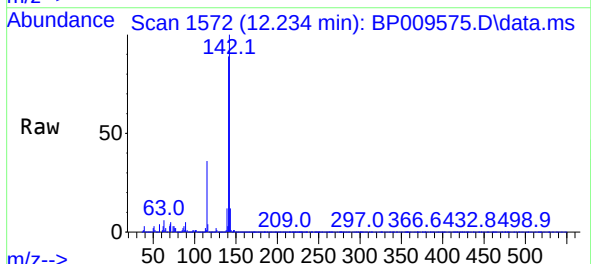
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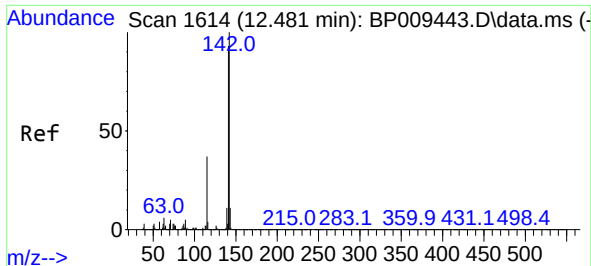
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#37
2-Methylnaphthalene
Concen: 194.703 ng
RT: 12.234 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

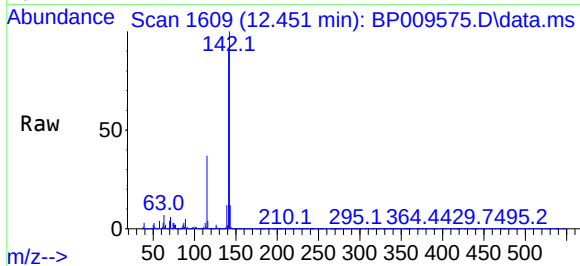
Tgt Ion:142 Resp: 8593598
Ion Ratio Lower Upper
142 100
141 88.6 70.2 105.4
115 35.7 27.4 41.2





#38
1-Methylnaphthalene
Concen: 120.115 ng
RT: 12.451 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

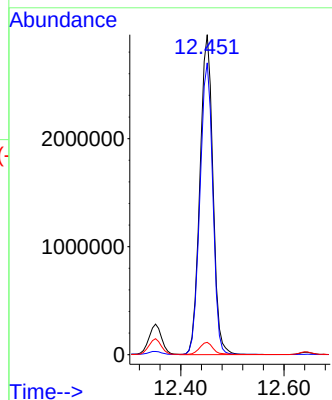
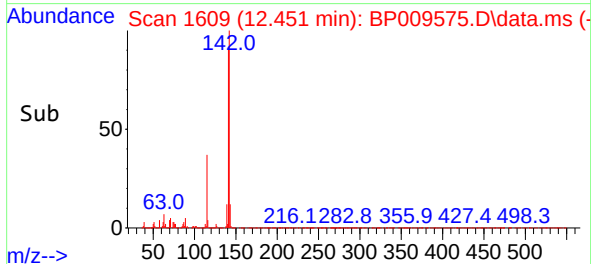
Instrument :
BNA_P
ClientSampleId :
RO-124030



Tgt Ion:142 Resp: 516455
Ion Ratio Lower Upper
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141 91.2 73.5 110.3
116 3.9 3.3 4.9

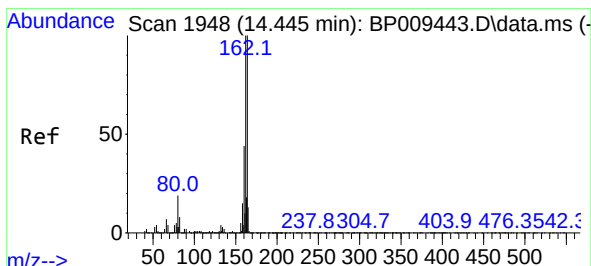
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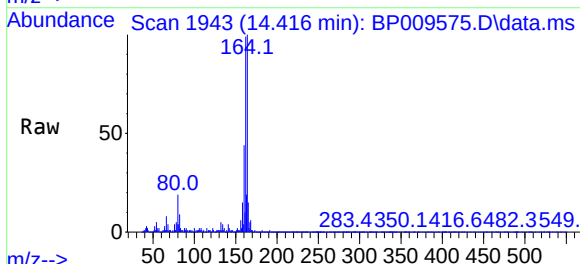


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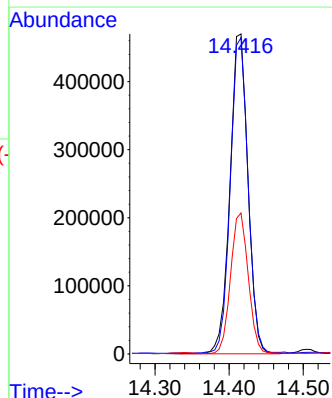
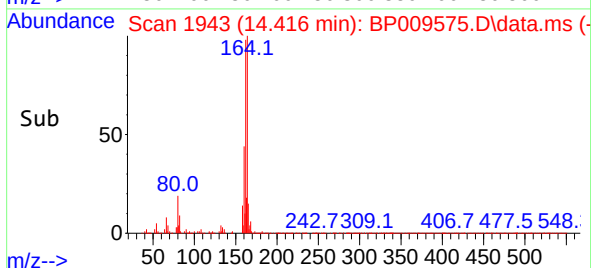
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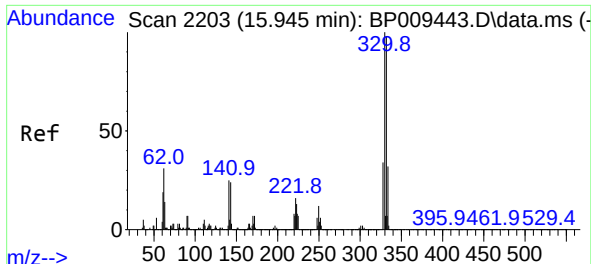


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36



Tgt Ion:164 Resp: 789322
Ion Ratio Lower Upper
164 100
162 98.8 79.1 118.7
160 44.1 34.9 52.3





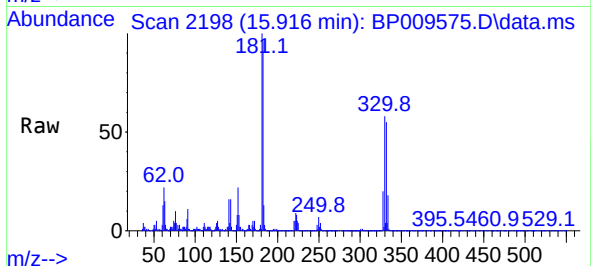
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2,4,6-Tribromophenol
Concen: 77.989 ng
RT: 15.916 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

Instrument :

BNA_P

ClientSampleId :

RO-124030

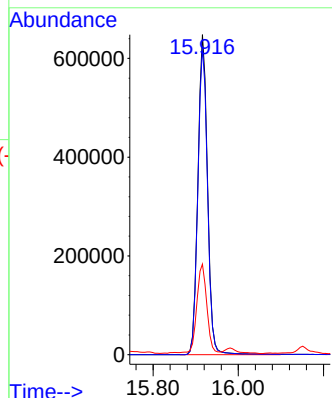
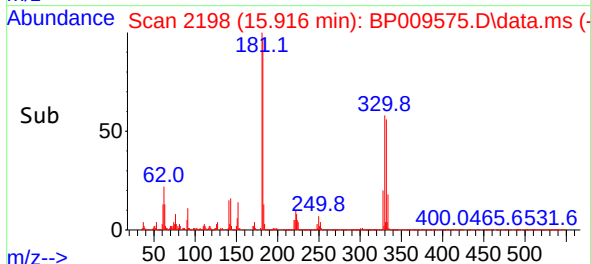


Tgt Ion:330 Resp: 101582
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.6
141 29.3 27.6 41.4

Manual Integrations

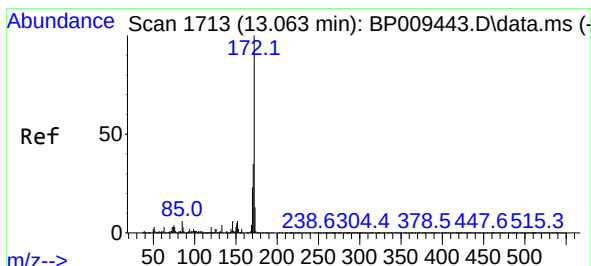
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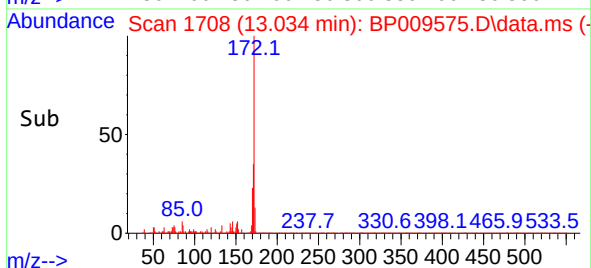
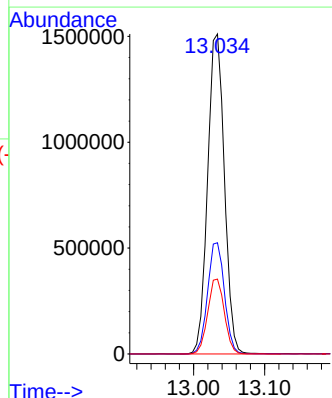
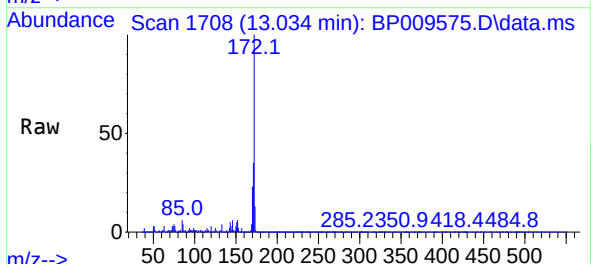
03/29/2022
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Upadhyay

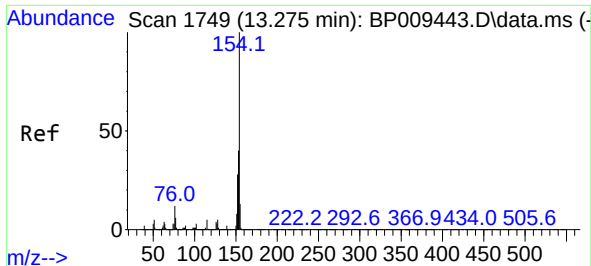
03/29/2022



#45
2-Fluorobiphenyl
Concen: 43.604 ng
RT: 13.034 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

Tgt Ion:172 Resp: 2482691
Ion Ratio Lower Upper
172 100
171 34.8 28.0 42.0
170 23.4 18.6 27.8





#46

1,1'-Biphenyl

Concen: 43.617 ng

RT: 13.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP009575.D

Acq: 28 Mar 2022 20:36

Instrument :

BNA_P

ClientSampleId :

RO-124030

Tgt Ion:154 Resp: 256834

Ion Ratio Lower Upper

154 100

153 39.8 20.2 60.2

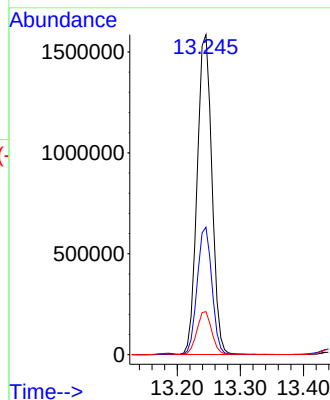
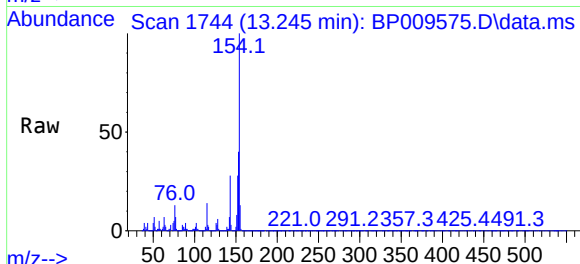
76 13.5 0.0 34.0

Manual Integrations

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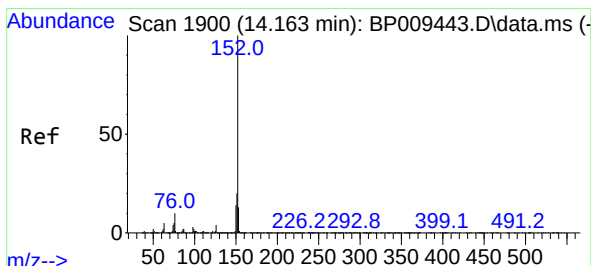
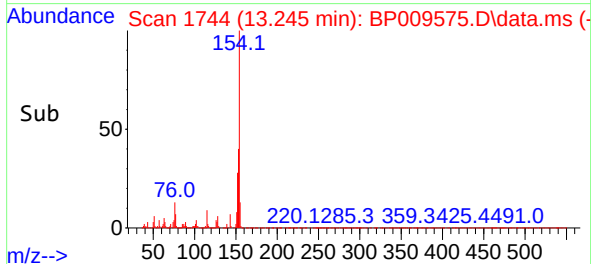
Reviewed By :Christian Giraldo 03/29/2022

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Upadhyay

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#49

Acenaphthylene

Concen: 6.398 ng

RT: 14.134 min Scan# 1895

Delta R.T. -0.006 min

Lab File: BP009575.D

Acq: 28 Mar 2022 20:36

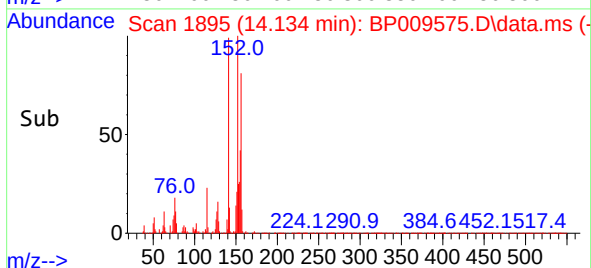
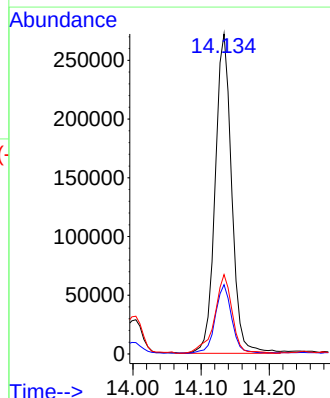
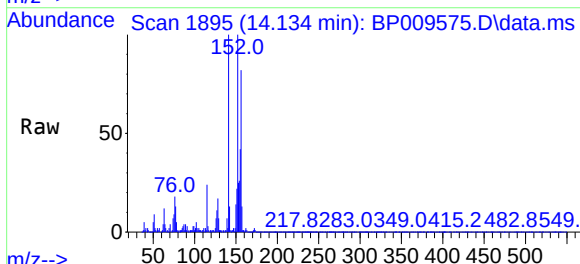
Tgt Ion:152 Resp: 457866

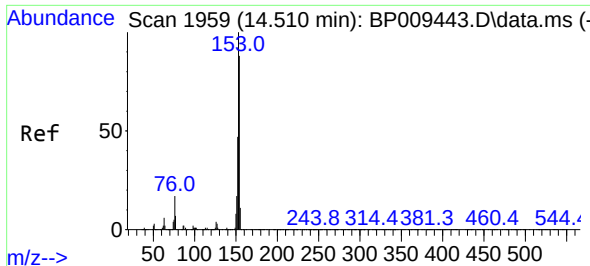
Ion Ratio Lower Upper

152 100

151 21.7 15.9 23.9

153 24.8 10.7 16.1#





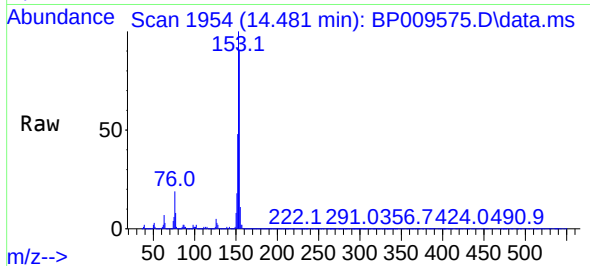
#52
Acenaphthene
Concen: 160.621 ng
RT: 14.481 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

Instrument :

BNA_P

ClientSampleId :

RO-124030

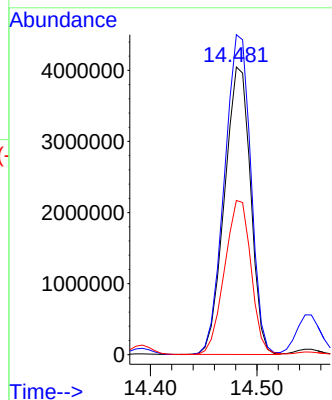
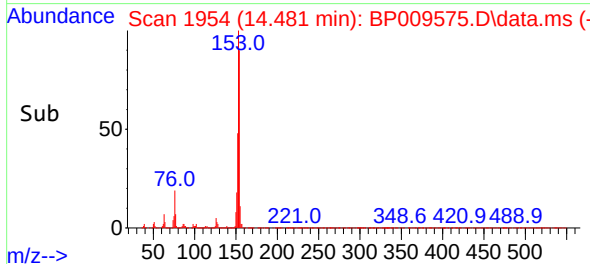


Tgt Ion:154 Resp: 6866700
Ion Ratio Lower Upper
154 100
153 111.2 90.2 135.4
152 53.6 42.7 64.1

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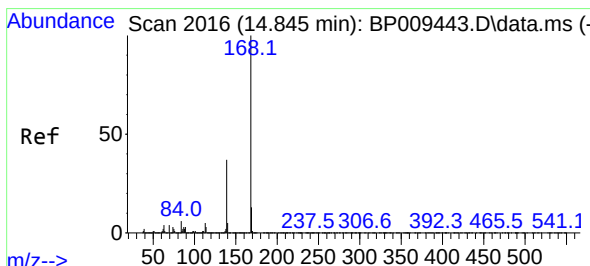
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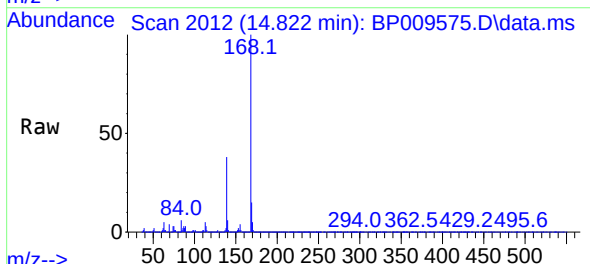


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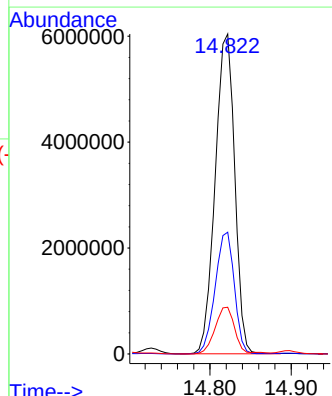
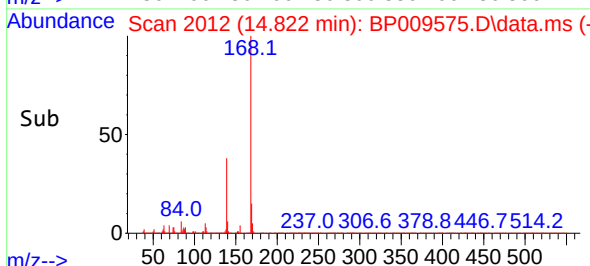
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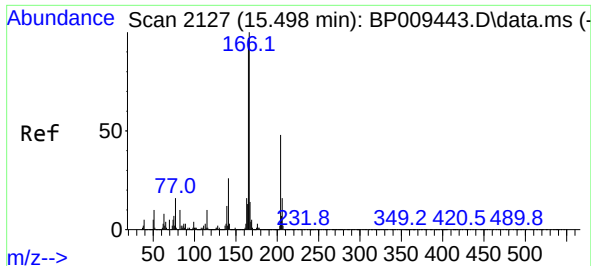


#55
Dibenzofuran
Concen: 140.679 ng
RT: 14.822 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36



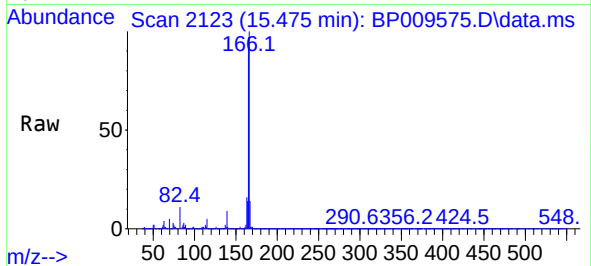
Tgt Ion:168 Resp:10103707
Ion Ratio Lower Upper
168 100
139 38.0 29.1 43.7
169 14.6 10.6 16.0





#58
Fluorene
Concen: 160.564 ng
RT: 15.475 min Scan# 2127
Delta R.T. -0.000 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

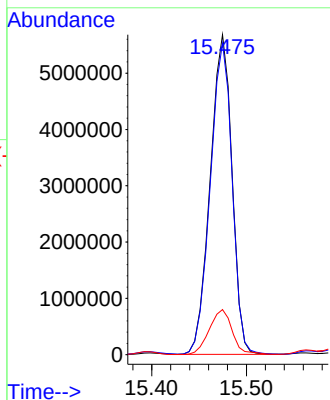
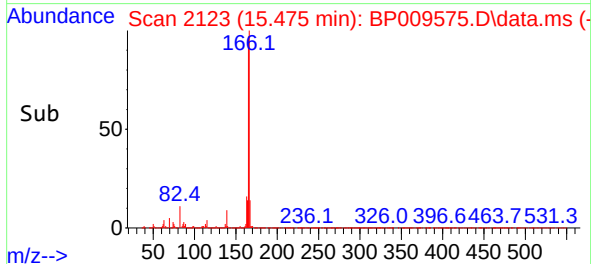
Instrument :
BNA_P
ClientSampleId :
RO-124030



Tgt Ion:166 Resp: 906953
Ion Ratio Lower Upper
166 100
165 97.4 79.2 118.8
167 14.1 10.7 16.1

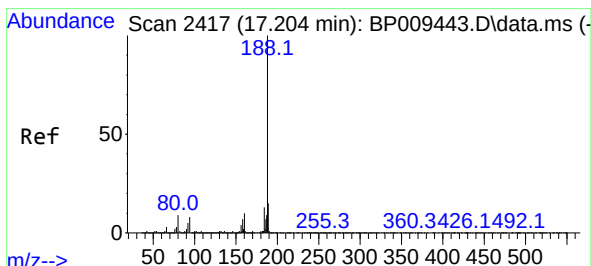
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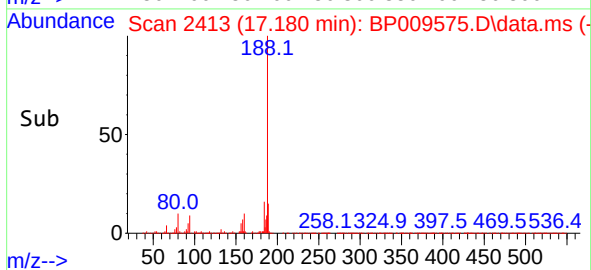
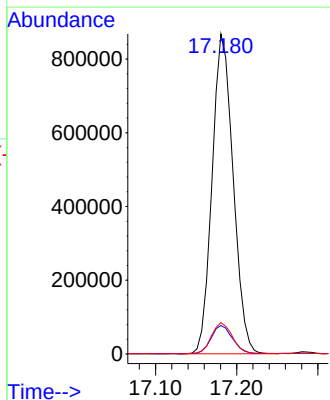
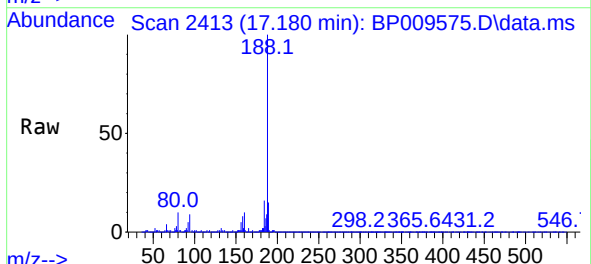
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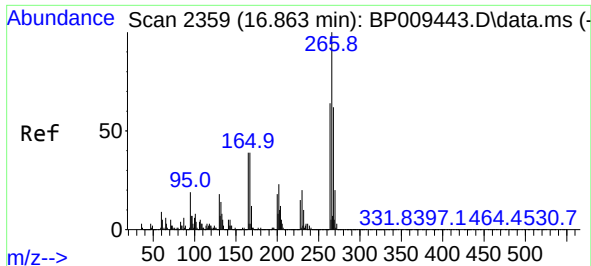
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.180 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

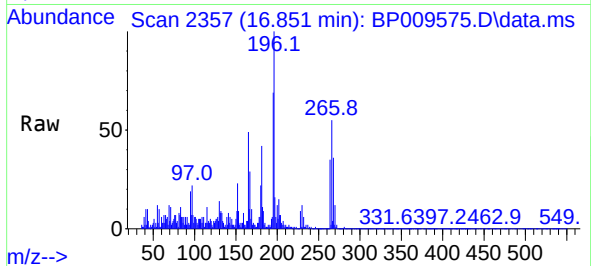
Tgt Ion:188 Resp: 1562677
Ion Ratio Lower Upper
188 100
94 8.9 7.9 11.9
80 9.8 8.8 13.2





#70
Pentachlorophenol
Concen: 6.994 ng
RT: 16.851 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

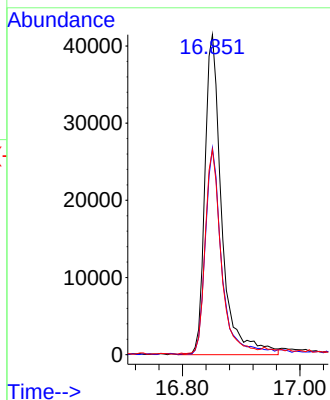
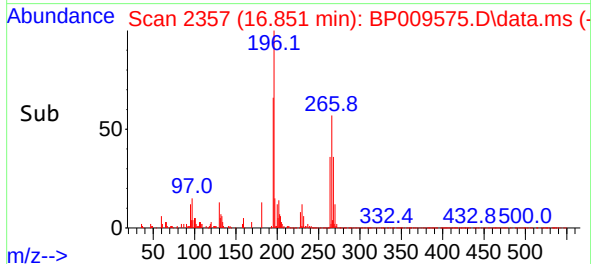
Instrument :
BNA_P
ClientSampleId :
RO-124030



Tgt Ion:266 Resp: 82280
Ion Ratio Lower Upper
266 100
268 64.6 49.8 74.8
264 64.1 50.9 76.3

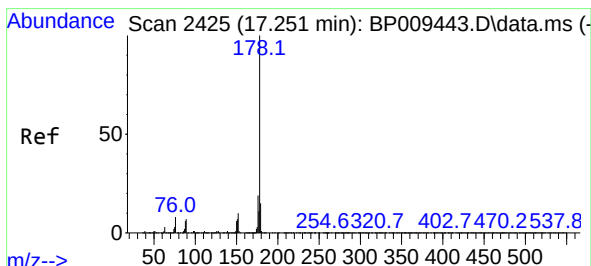
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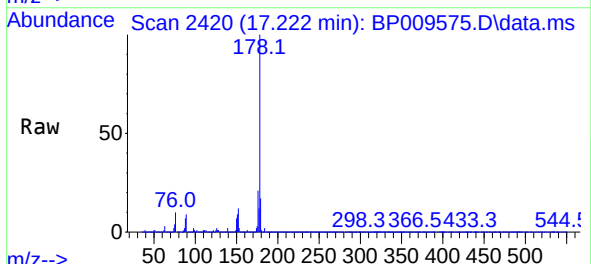


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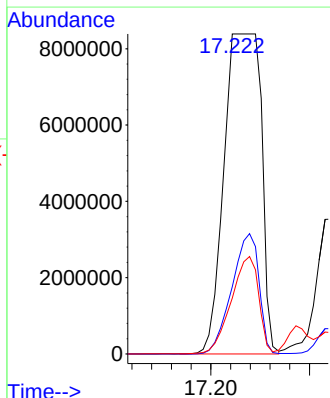
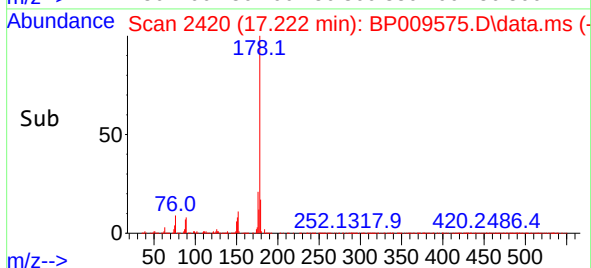
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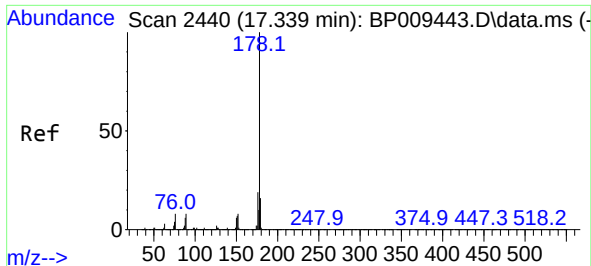


#71
Phenanthrene
Concen: 261.807 ng m
RT: 17.222 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36



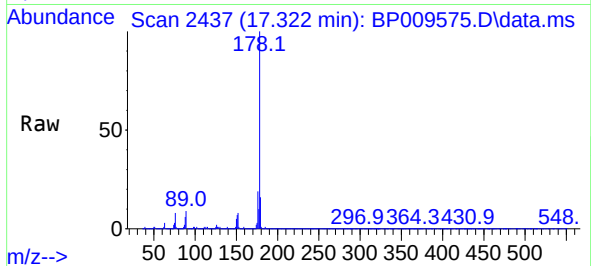
Tgt Ion:178 Resp:21900349
Ion Ratio Lower Upper
178 100
176 21.0 15.4 23.2
179 17.4 12.3 18.5





#72
 Anthracene
 Concen: 66.276 ng
 RT: 17.322 min Scan# 2440
 Delta R.T. 0.006 min
 Lab File: BP009575.D
 Acq: 28 Mar 2022 20:36

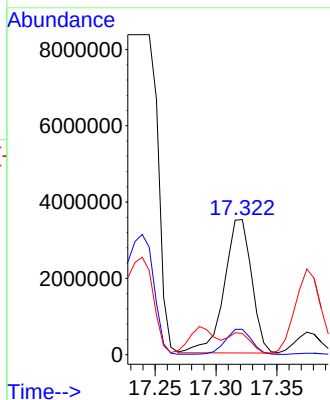
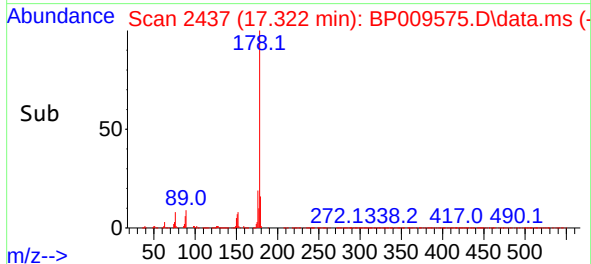
Instrument :
 BNA_P
 ClientSampleId :
 RO-124030



Tgt Ion:178 Resp: 547374
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.8 22.2
 179 15.8 12.2 18.4

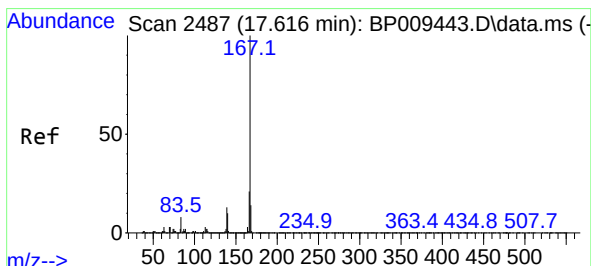
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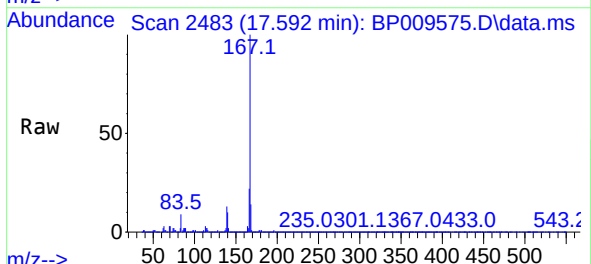


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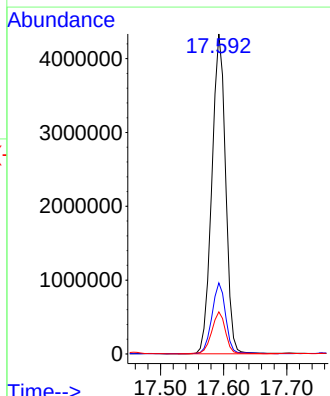
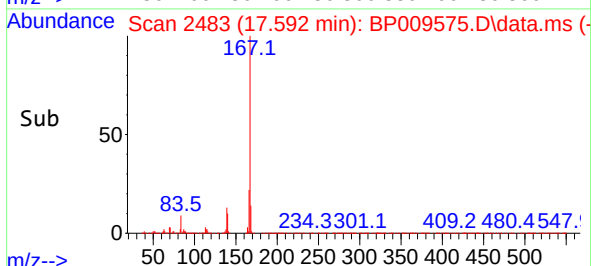
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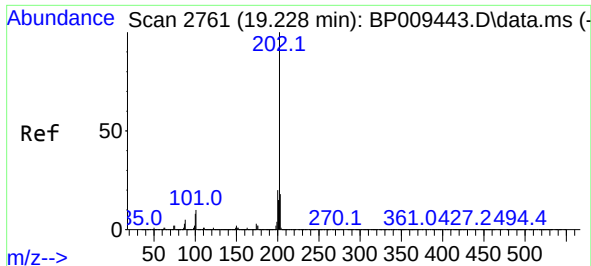


#73
 Carbazole
 Concen: 81.035 ng
 RT: 17.592 min Scan# 2483
 Delta R.T. -0.000 min
 Lab File: BP009575.D
 Acq: 28 Mar 2022 20:36



Tgt Ion:167 Resp: 6545280
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.2 25.8
 139 13.1 10.3 15.5





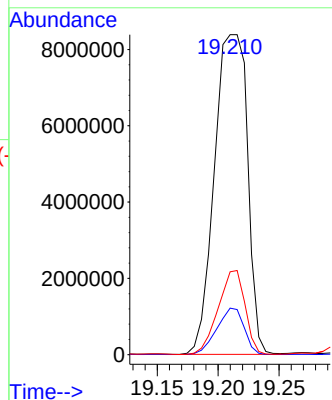
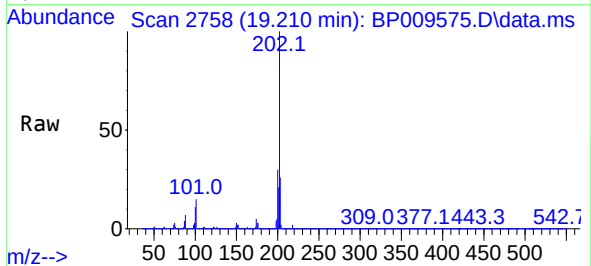
#75
Fluoranthene
Concen: 156.415 ng
RT: 19.210 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

Instrument :
BNA_P
ClientSampleId :
RO-124030

Tgt Ion:202 Resp:1584045
Ion Ratio Lower Upper
202 100
101 14.6 0.0 31.5
203 25.9 0.0 37.8

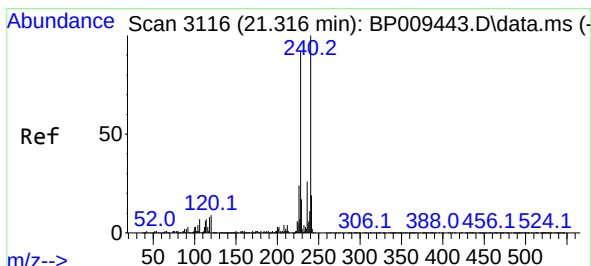
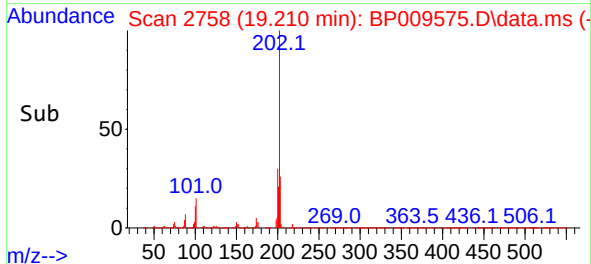
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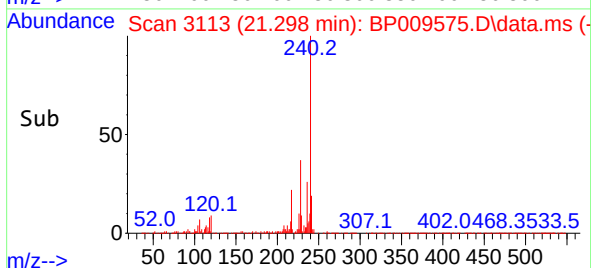
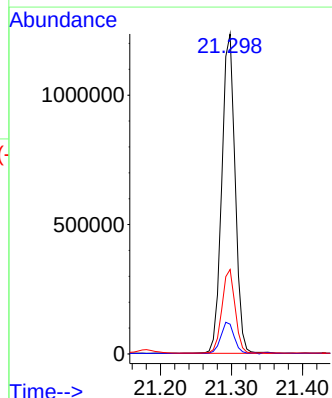
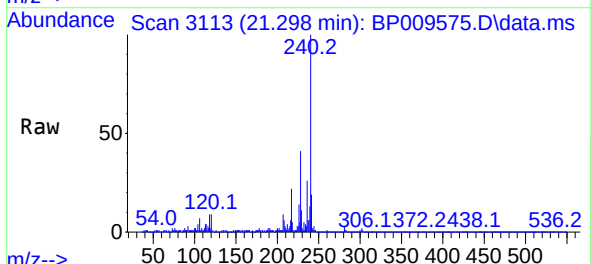
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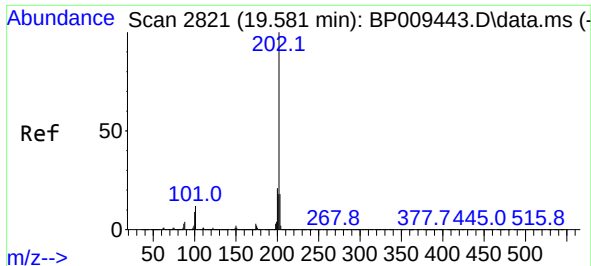
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

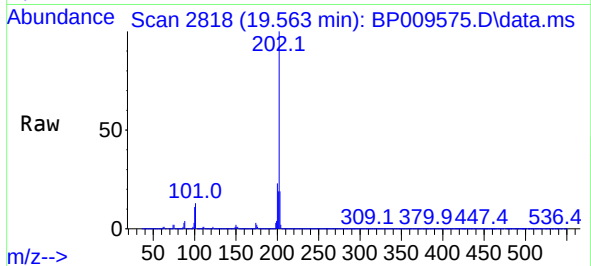
Tgt Ion:240 Resp: 1598655
Ion Ratio Lower Upper
240 100
120 9.3 9.0 13.4
236 26.4 20.6 30.8





#78
Pyrene
Concen: 123.422 ng
RT: 19.563 min Scan# 2818
Delta R.T. -0.000 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

Instrument :
BNA_P
ClientSampleId :
RO-124030

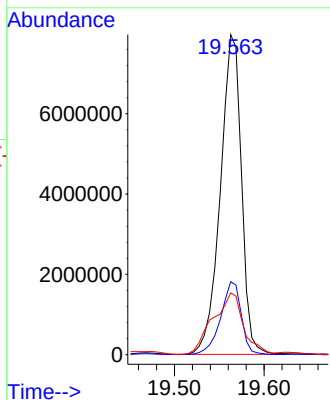
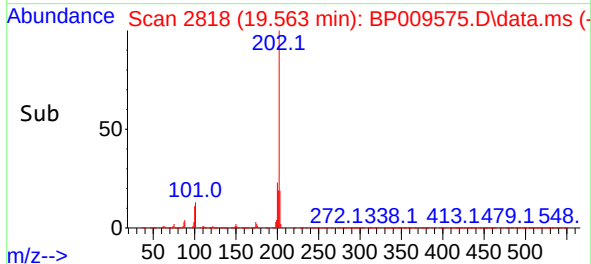


Tgt Ion:202 Resp:1300183

Ion	Ratio	Lower	Upper
202	100		
200	22.8	16.8	25.2
203	19.3	14.2	21.4

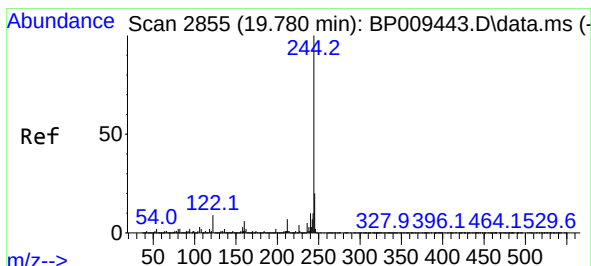
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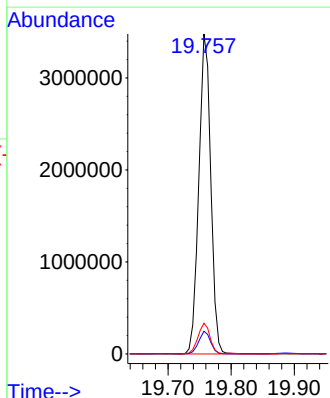
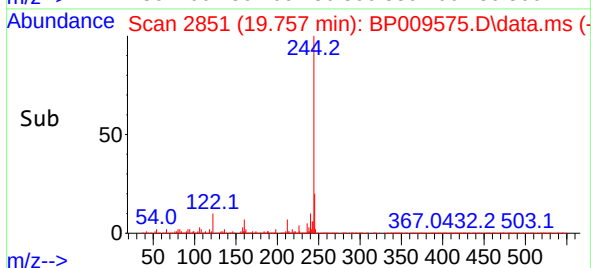
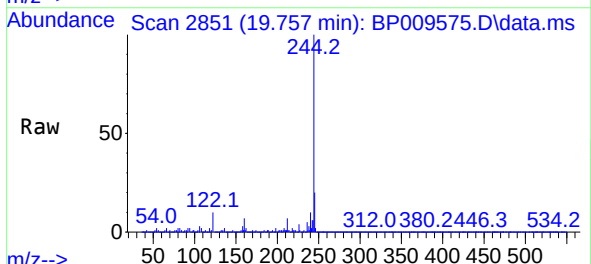
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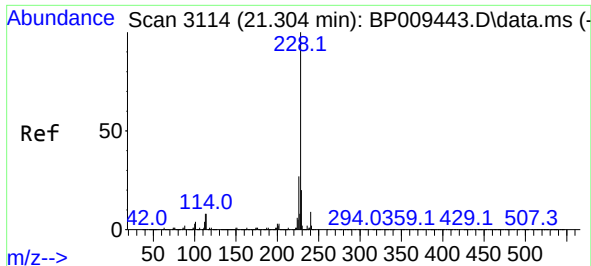


#79
Terphenyl-d14
Concen: 51.265 ng
RT: 19.757 min Scan# 2851
Delta R.T. -0.006 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

Tgt Ion:244 Resp: 4566003

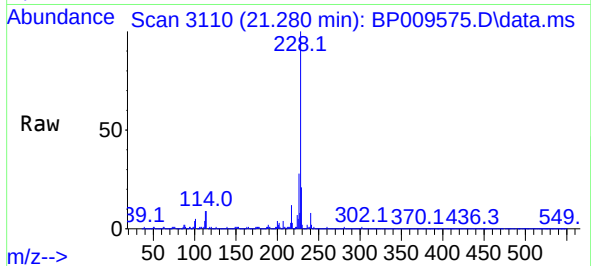
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	9.6	8.3	12.5





#81
Benzo(a)anthracene
Concen: 37.925 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

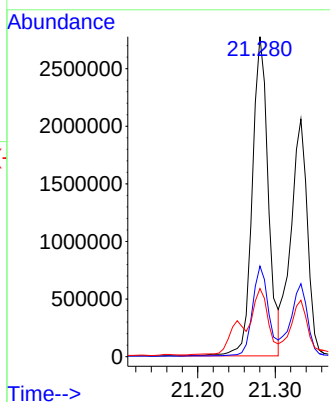
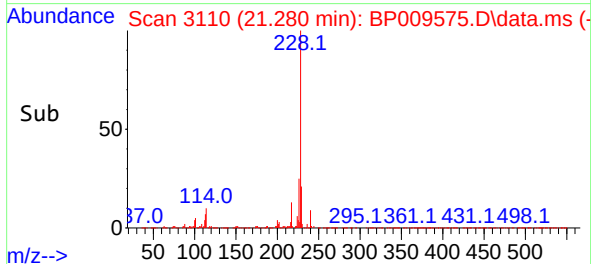
Instrument :
BNA_P
ClientSampleId :
RO-124030



Tgt Ion:228 Resp: 3983239
Ion Ratio Lower Upper
228 100
226 28.3 22.0 33.0
229 21.3 16.1 24.1

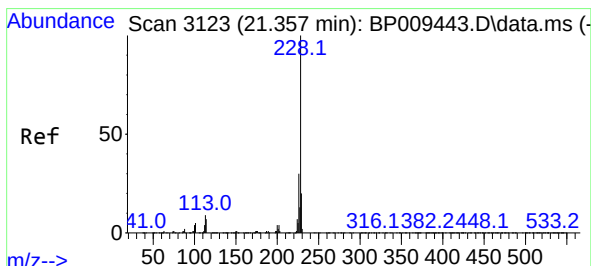
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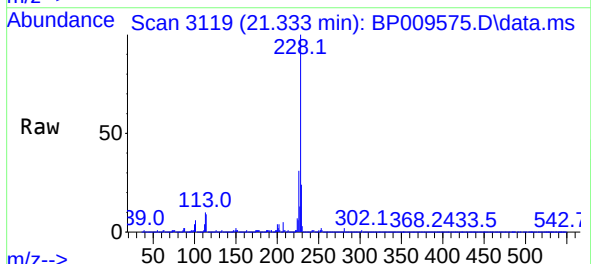


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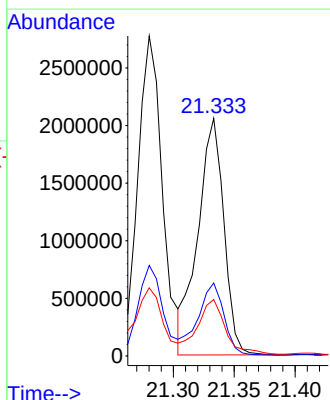
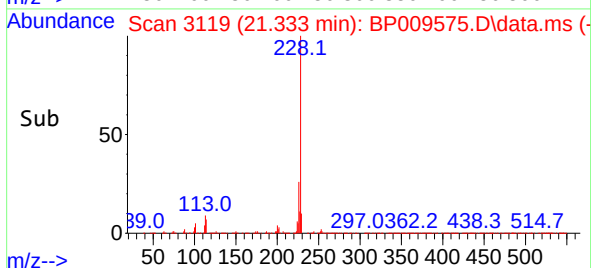
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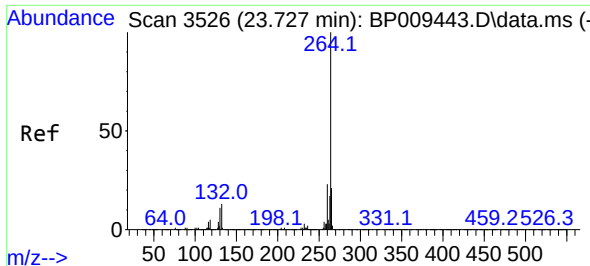


#83
Chrysene
Concen: 30.721 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.000 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36



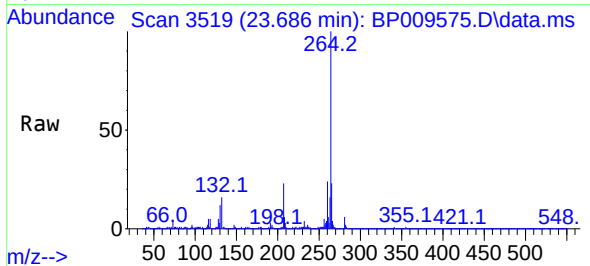
Tgt Ion:228 Resp: 3055370
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.2
229 23.8 16.1 24.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.686 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BP009575.D
 Acq: 28 Mar 2022 20:36

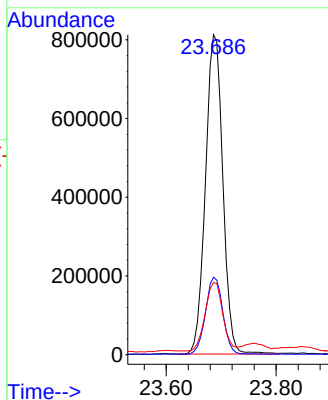
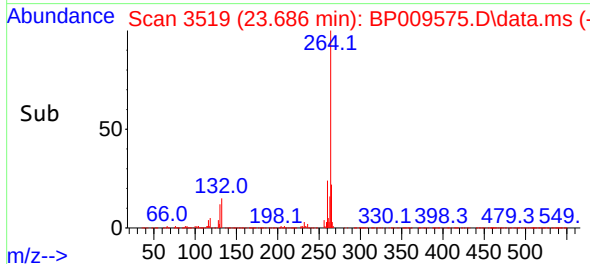
Instrument :
 BNA_P
 ClientSampleId :
 RO-124030



Tgt Ion:264 Resp: 178144
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.4 29.0
 265 22.5 17.2 25.8

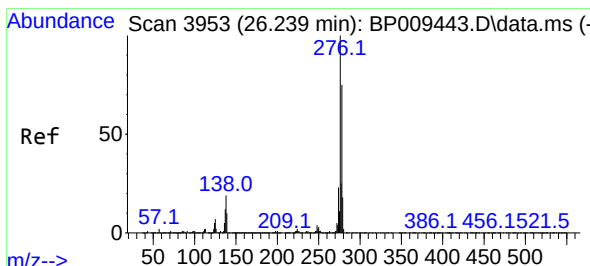
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 Supervised By :Jagrut Upadhyay 03/29/2022



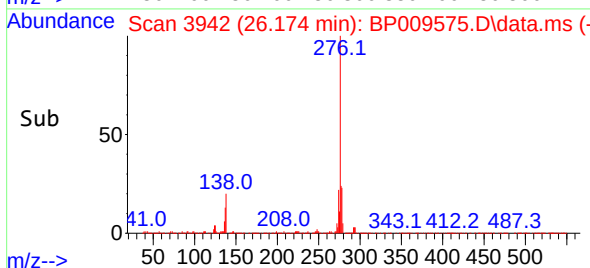
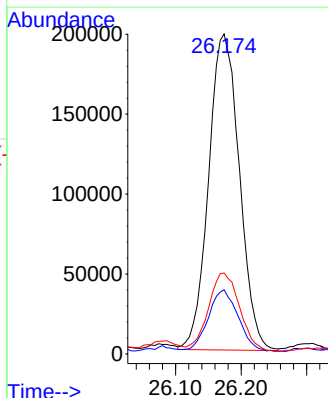
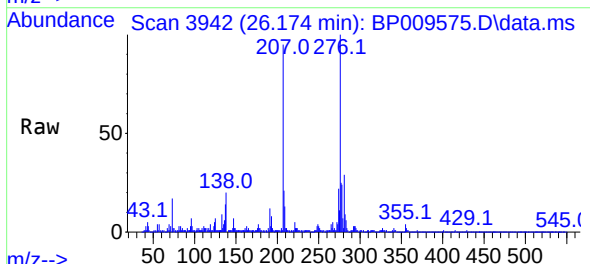
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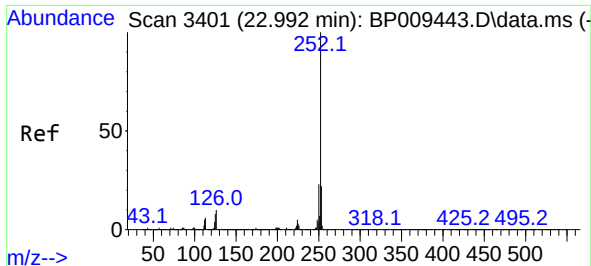
03/29/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.773 ng
 RT: 26.174 min Scan# 3942
 Delta R.T. -0.024 min
 Lab File: BP009575.D
 Acq: 28 Mar 2022 20:36

Tgt Ion:276 Resp: 645118
 Ion Ratio Lower Upper
 276 100
 138 18.9 20.5 30.7#
 277 25.0 20.4 30.6





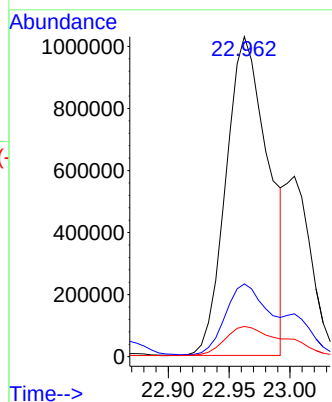
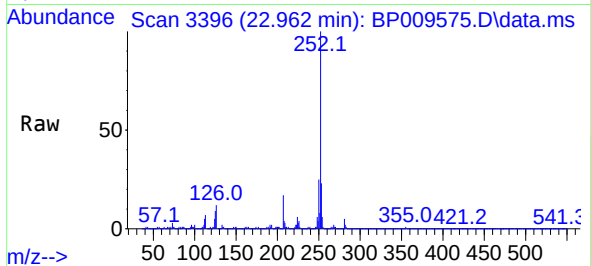
#88
Benzo(b)fluoranthene
Concen: 23.433 ng
RT: 22.962 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

Instrument :
BNA_P
ClientSampleId :
RO-124030

Tgt Ion:252 Resp: 2492040
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 9.4 8.1 12.1

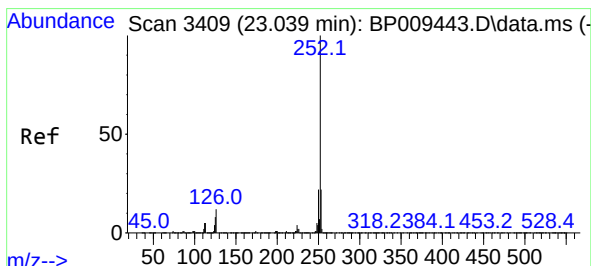
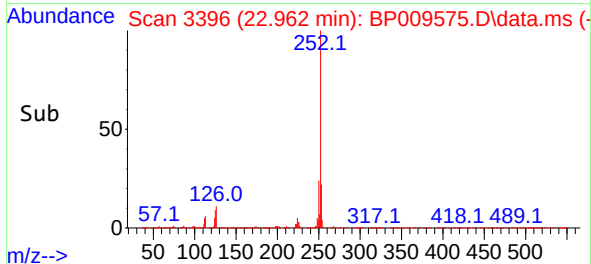
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



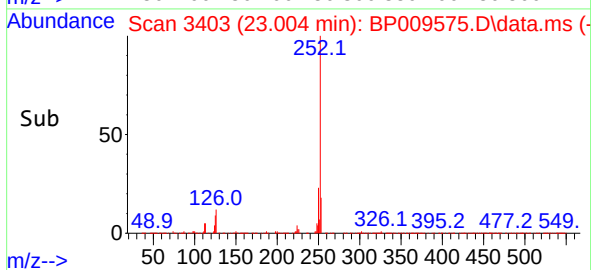
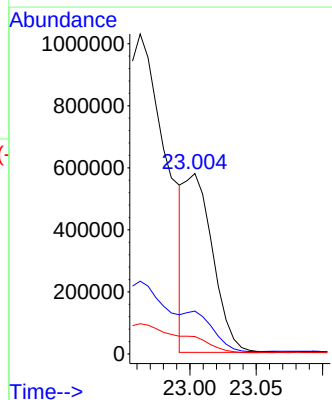
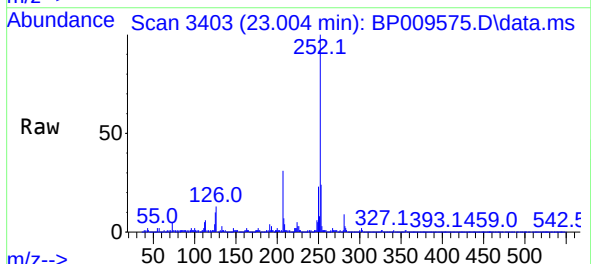
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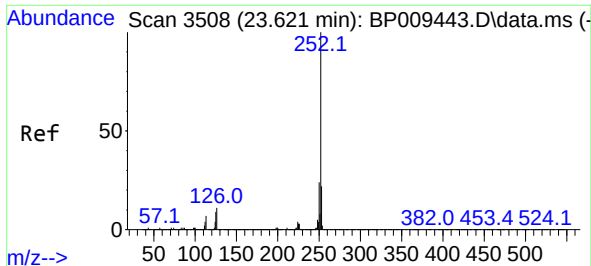
03/29/2022



#89
Benzo(k)fluoranthene
Concen: 8.135 ng m
RT: 23.004 min Scan# 3403
Delta R.T. -0.006 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

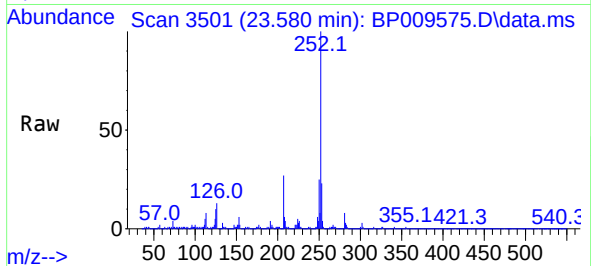
Tgt Ion:252 Resp: 847067
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 9.7 8.3 12.5





#90
Benzo(a)pyrene
Concen: 15.807 ng
RT: 23.580 min Scan# 30
Delta R.T. -0.006 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

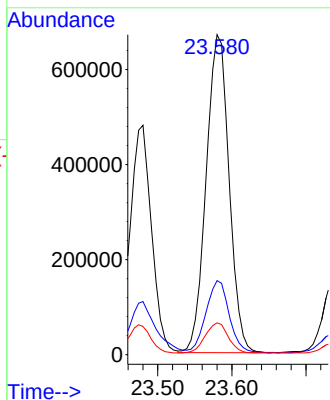
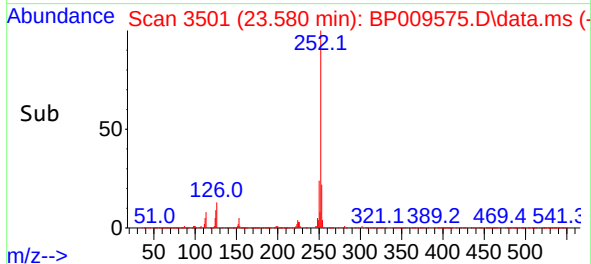
Instrument :
BNA_P
ClientSampleId :
RO-124030



Tgt Ion:252 Resp: 143824
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 10.0 9.3 13.9

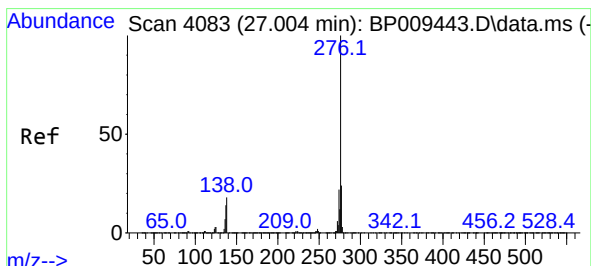
Manual Integrations
APPROVED

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Supervised By :Jagrut
Upadhyay

03/29/2022



#92
Benzo(g,h,i)perylene
Concen: 5.043 ng
RT: 26.939 min Scan# 4072
Delta R.T. -0.012 min
Lab File: BP009575.D
Acq: 28 Mar 2022 20:36

Tgt Ion:276 Resp: 558780
Ion Ratio Lower Upper
276 100
277 24.7 19.2 28.8
138 18.6 18.0 27.0

