

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010722\
 Data File : BP008742.D
 Acq On : 08 Jan 2022 00:01
 Operator : CG/JU
 Sample : N1069-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PX-1-010522

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/10/2022
 Supervised By : Jagrut Upadhyay 01/10/2022

Quant Time: Jan 08 02:28:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 07 07:45:52 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							01/10/2022
1) 1,4-Dichlorobenzene-d4	7.869	152	127989	20.000	ng	-0.01	Supervised By : Jagrut Upadhyay
21) Naphthalene-d8	10.669	136	561034	20.000	ng	-0.01	
39) Acenaphthene-d10	14.504	164	460407	20.000	ng	-0.01	
64) Phenanthrene-d10	17.257	188	1253193	20.000	ng	-0.01	
76) Chrysene-d12	21.351	240	2144149	20.000	ng	0.00	
86) Perylene-d12	23.780	264	2463833	20.000	ng	0.00	01/10/2022
System Monitoring Compounds							
5) 2-Fluorophenol	5.452	112	897498	109.810	ng	0.00	
7) Phenol-d6	7.040	99	1151995	104.994	ng	-0.01	
23) Nitrobenzene-d5	9.028	82	571669	57.706	ng	0.00	
42) 2,4,6-Tribromophenol	15.998	330	851763	109.657	ng	-0.01	
45) 2-Fluorobiphenyl	13.128	172	1721918	52.580	ng	-0.01	
79) Terphenyl-d14	19.822	244	5098933	48.461	ng	0.00	
Target Compounds							Qvalue
37) 2-Methylnaphthalene	12.334	142	63617	2.666	ng		98
38) 1-Methylnaphthalene	12.551	142	44483m	2.007	ng		
49) Acenaphthylene	14.228	152	92707	2.118	ng		96
52) Acenaphthene	14.569	154	94240	3.595	ng		97
58) Fluorene	15.557	166	120123	3.452	ng		99
71) Phenanthrene	17.304	178	2598181	37.315	ng		98
72) Anthracene	17.392	178	614842	8.647	ng		99
73) Carbazole	17.663	167	366024	5.617	ng		99
75) Fluoranthene	19.269	202	6939933	83.236	ng		99
78) Pyrene	19.622	202	6283768	44.820	ng		99
81) Benzo(a)anthracene	21.333	228	4182772	29.735	ng		99
83) Chrysene	21.386	228	3794167	27.961	ng		96
87) Indeno(1,2,3-cd)pyrene	26.309	276	3023595	15.358	ng	#	94
88) Benzo(b)fluoranthene	23.039	252	5855517	36.373	ng		99
89) Benzo(k)fluoranthene	23.086	252	2315296m	15.367	ng		
90) Benzo(a)pyrene	23.668	252	4333150	27.849	ng		97
91) Dibenzo(a,h)anthracene	26.315	278	772673m	4.645	ng		
92) Benzo(g,h,i)perylene	27.086	276	2910613	17.627	ng		98

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

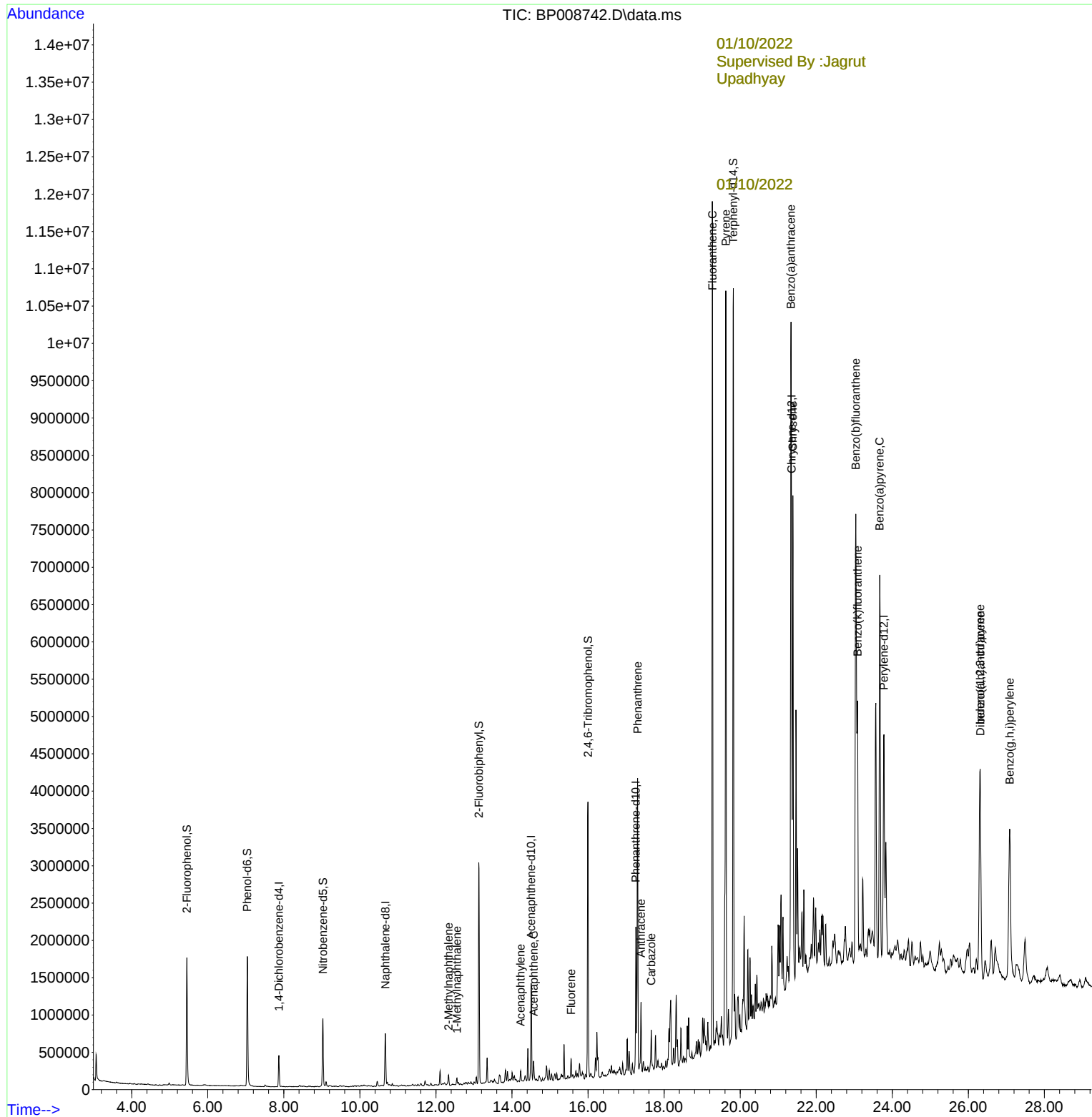
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010722\
Data File : BP008742.D
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ALS Vial : 21 Sample Multiplier: 1

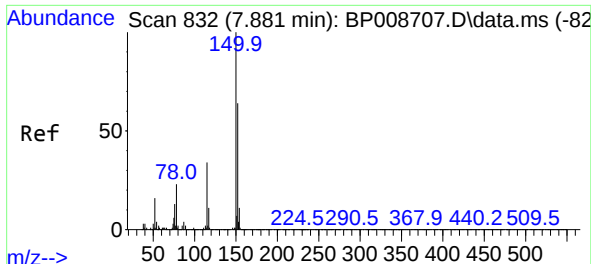
Instrument :
BNA_P
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Quant Time: Jan 08 02:28:14 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
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QLast Update : Fri Jan 07 07:45:52 2022
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Supervised By :Jagrut Upadhyay 01/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.869 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Instrument :

BNA_P

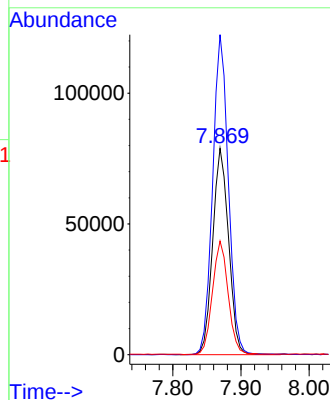
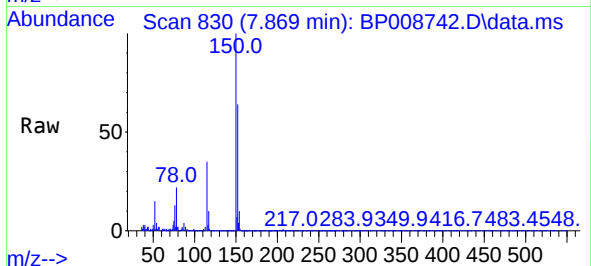
ClientSampleId :

PX-1-010522

Tgt Ion:152 Resp: 127989
Ion Ratio Lower Upper
152 100
150 155.0 127.0 190.6
115 55.0 43.7 65.5

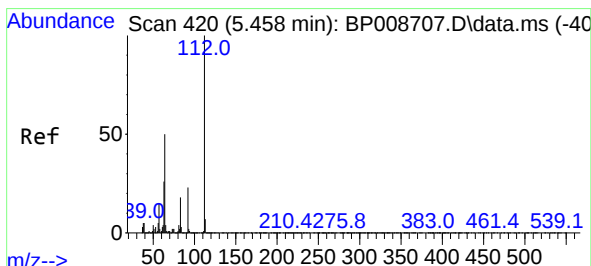
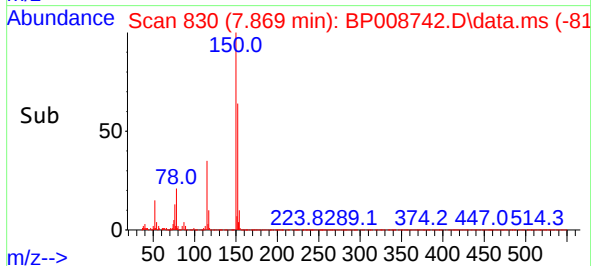
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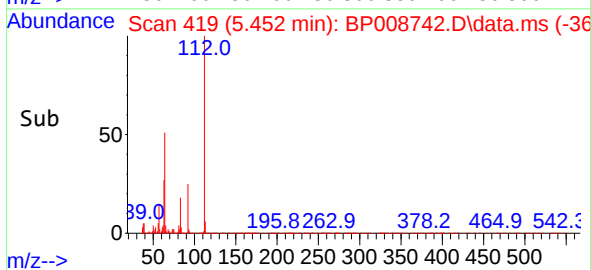
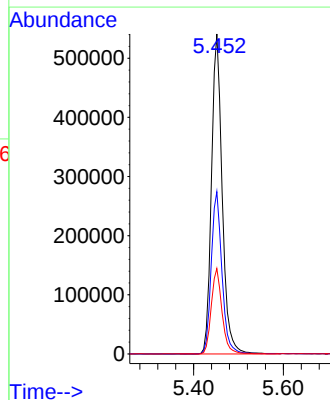
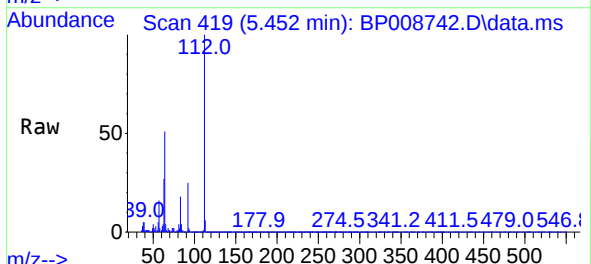
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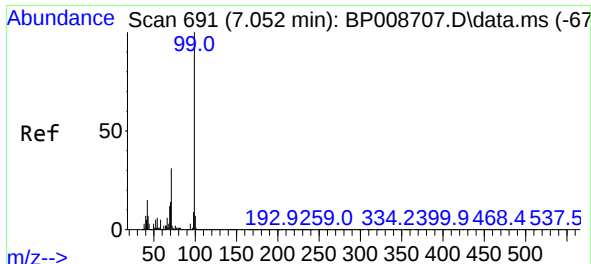
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#5
2-Fluorophenol
Concen: 109.810 ng
RT: 5.452 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

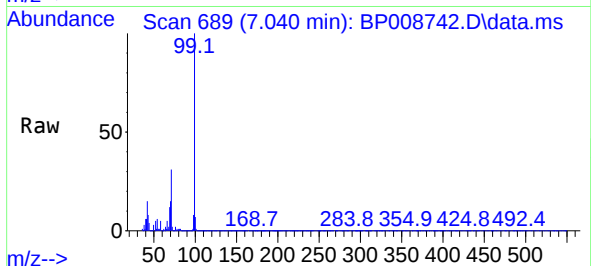
Tgt Ion:112 Resp: 897498
Ion Ratio Lower Upper
112 100
64 50.7 39.7 59.5
63 26.7 20.0 30.0





#7
Phenol-d6
Concen: 104.994 ng
RT: 7.040 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

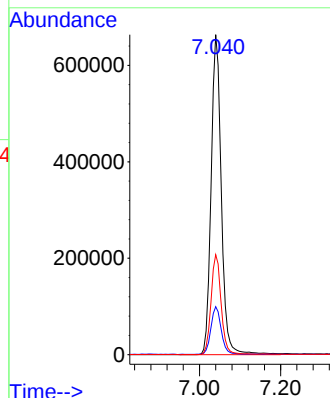
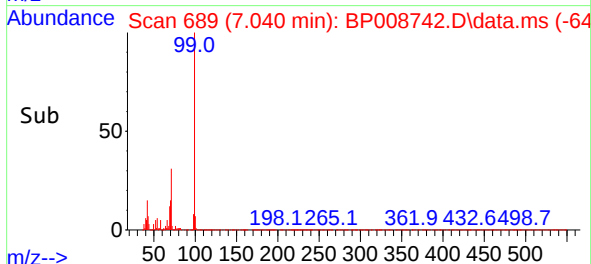
Instrument :
BNA_P
ClientSampleId :
PX-1-010522



Tgt Ion: 99 Resp: 115199
Ion Ratio Lower Upper
99 100
42 15.0 10.8 16.2
71 31.3 23.8 35.6

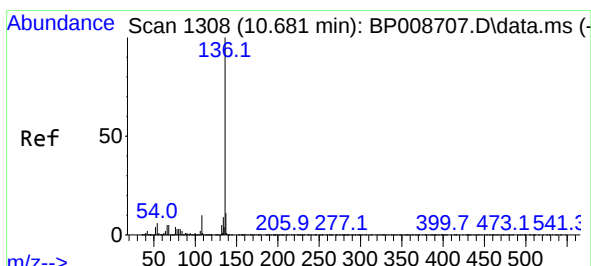
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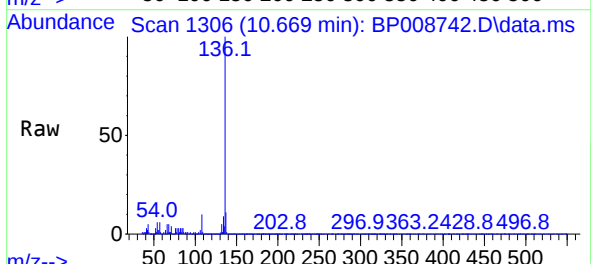


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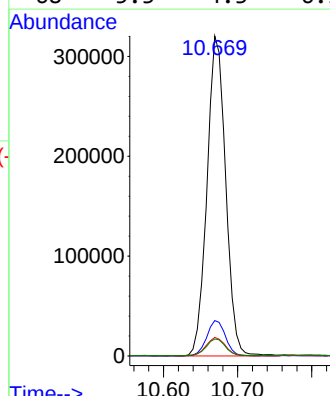
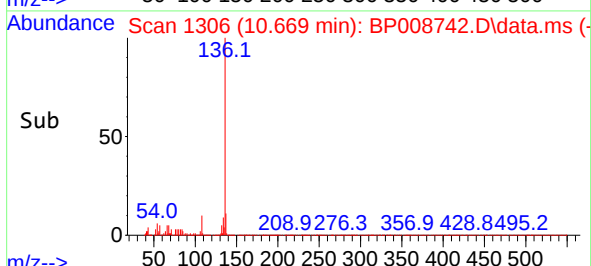
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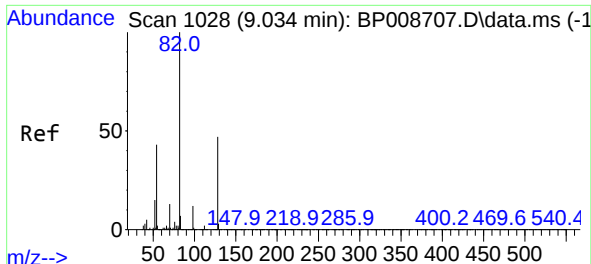


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.669 min Scan# 1306
Delta R.T. -0.012 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01



Tgt Ion:136 Resp: 561034
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: 57.706 ng
RT: 9.028 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Instrument :

BNP_P

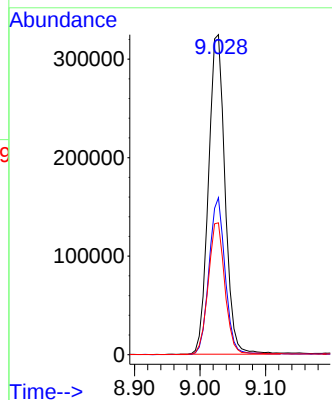
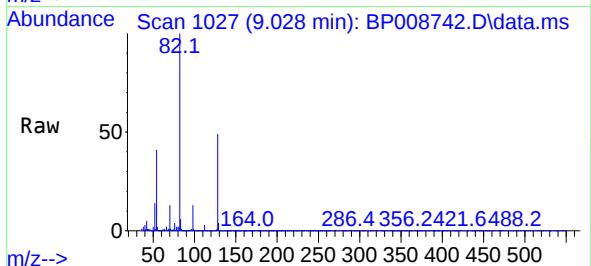
ClientSampleId :

PX-1-010522

Tgt Ion: 82 Resp: 571669
Ion Ratio Lower Upper
82 100
128 49.1 39.4 59.2
54 41.2 32.6 48.8

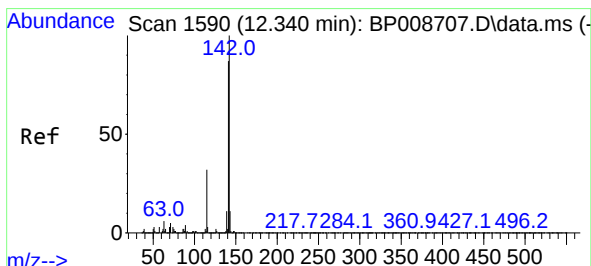
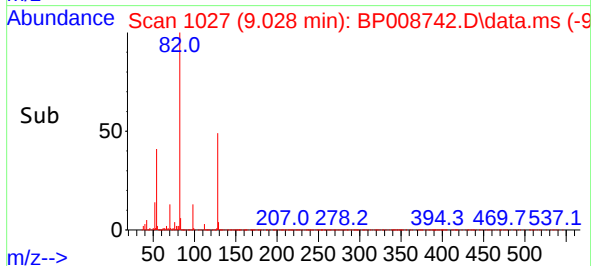
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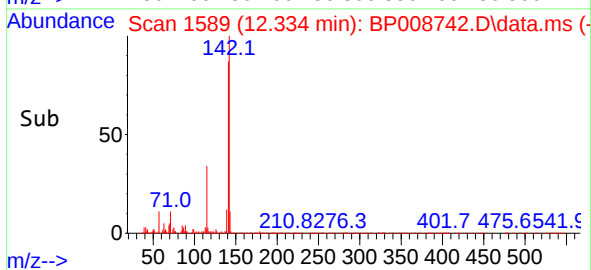
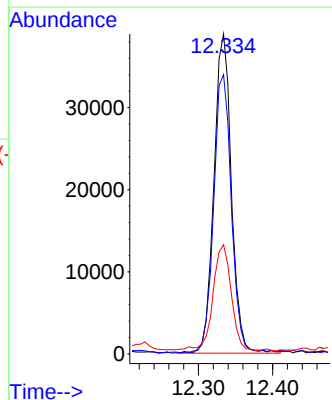
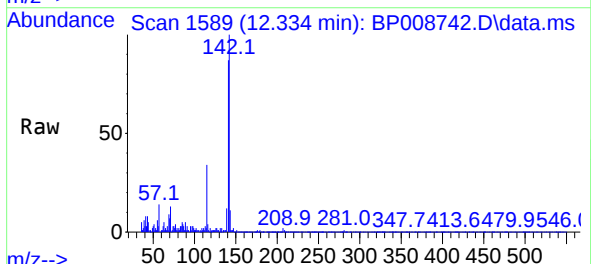
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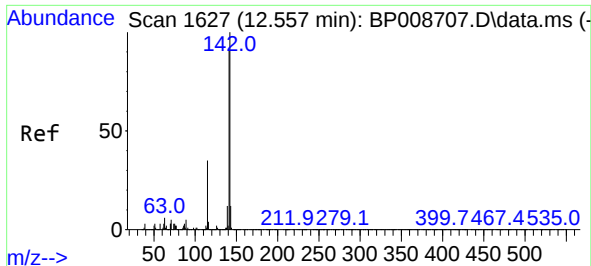
01/10/2022



#37
2-Methylnaphthalene
Concen: 2.666 ng
RT: 12.334 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Tgt Ion:142 Resp: 63617
Ion Ratio Lower Upper
142 100
141 87.3 70.5 105.7
115 34.2 24.6 36.8





#38
1-Methylnaphthalene
Concen: 2.007 ng m
RT: 12.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Instrument :

BNA_P

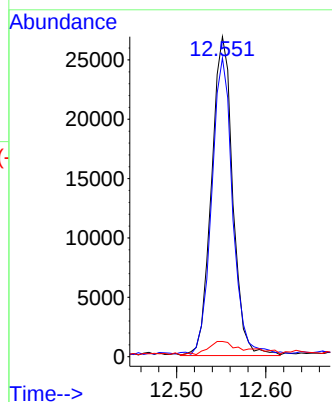
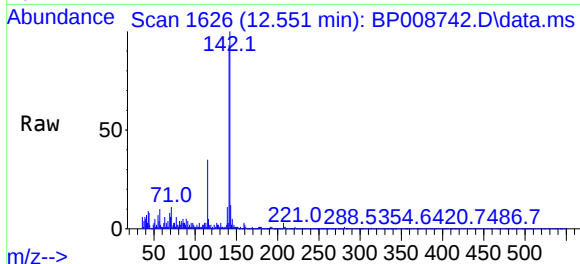
ClientSampleId :

PX-1-010522

Tgt Ion:142 Resp: 4448
Ion Ratio Lower Upper
142 100
141 93.4 73.2 109.8
116 4.7 2.7 4.1

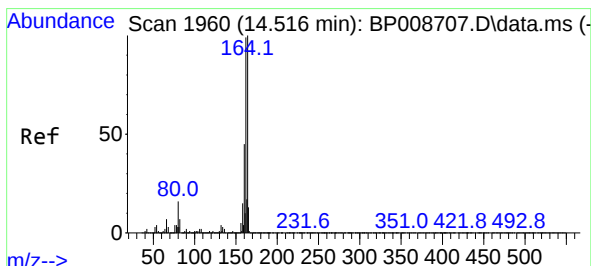
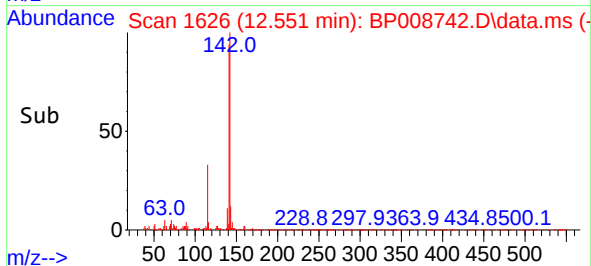
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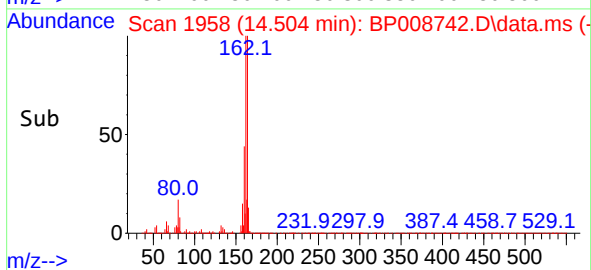
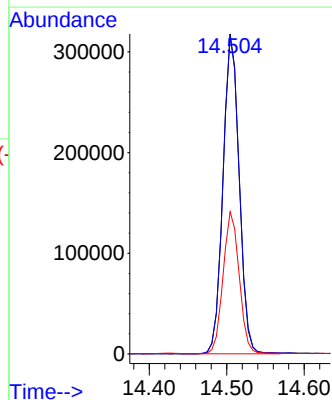
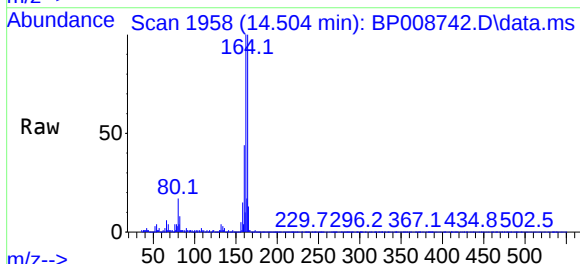
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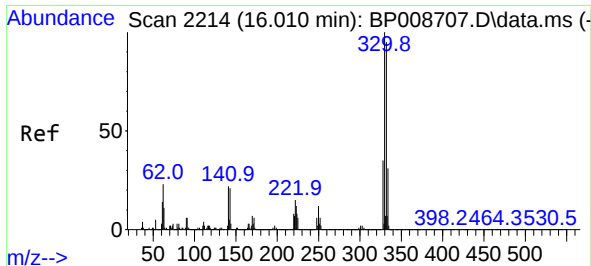
01/10/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1958
Delta R.T. -0.012 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Tgt Ion:164 Resp: 460407
Ion Ratio Lower Upper
164 100
162 99.5 79.9 119.9
160 44.4 35.5 53.3





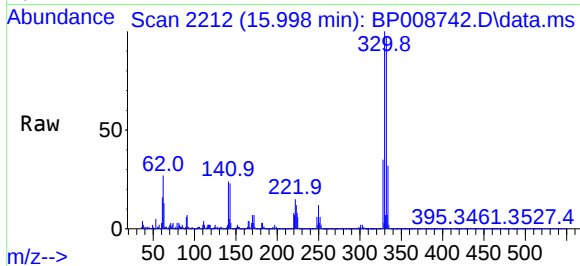
#42
2,4,6-Tribromophenol
Concen: 109.657 ng
RT: 15.998 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Instrument :

BNA_P

ClientSampleId :

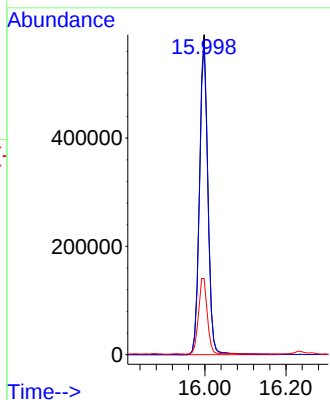
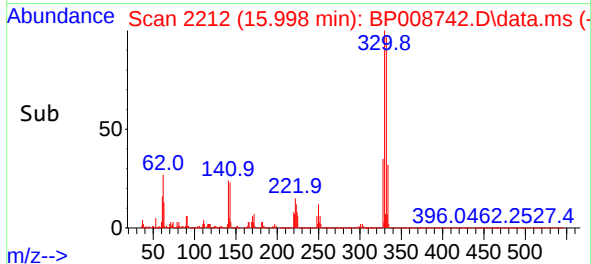
PX-1-010522



Tgt Ion:330 Resp: 85176
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 24.8 21.3 31.9

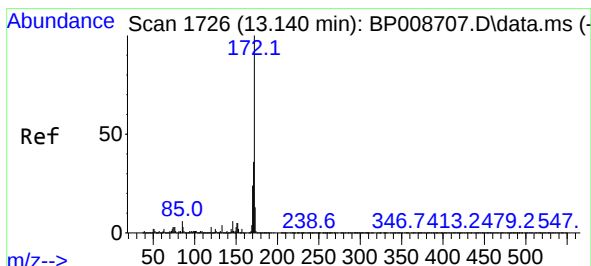
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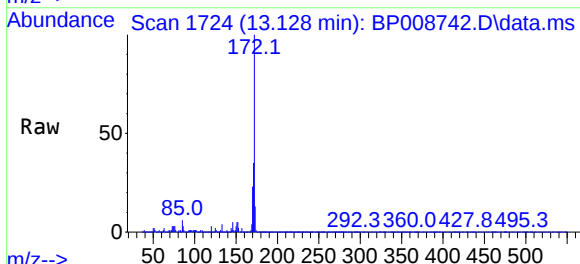


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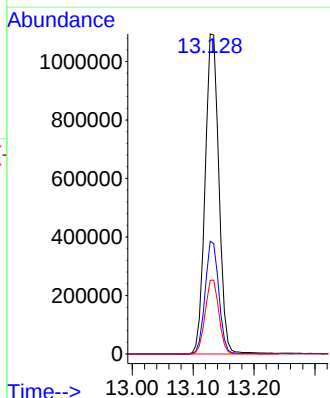
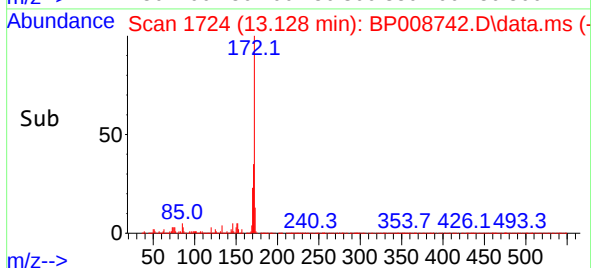
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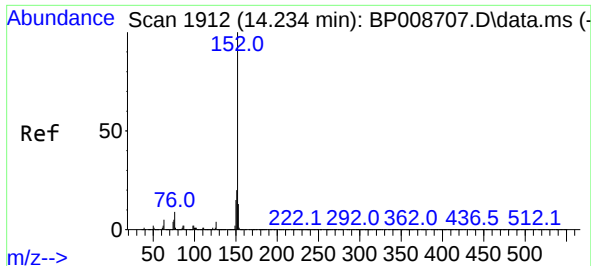


#45
2-Fluorobiphenyl
Concen: 52.580 ng
RT: 13.128 min Scan# 1724
Delta R.T. -0.012 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01



Tgt Ion:172 Resp: 1721918
Ion Ratio Lower Upper
172 100
171 35.3 29.3 43.9
170 23.0 19.5 29.3





#49
Acenaphthylene
Concen: 2.118 ng
RT: 14.228 min Scan# 1912
Delta R.T. -0.006 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Instrument :

BNA_P

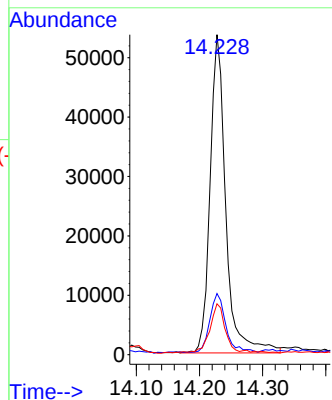
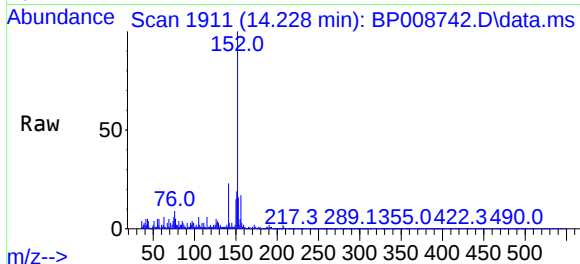
ClientSampleId :

PX-1-010522

Tgt Ion:152 Resp: 9270
Ion Ratio Lower Upper
152 100
151 19.1 16.1 24.1
153 15.9 10.6 16.0

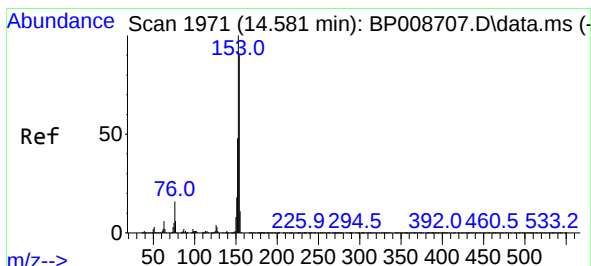
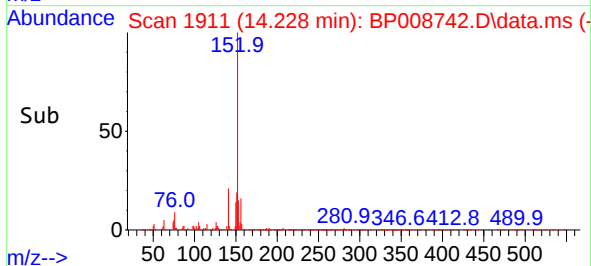
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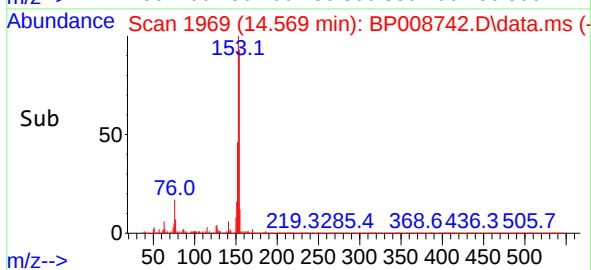
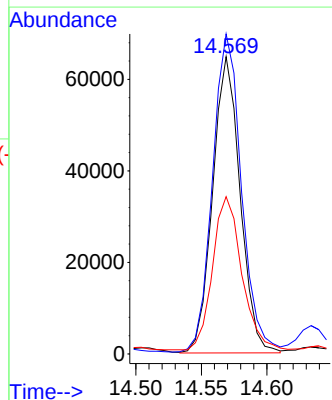
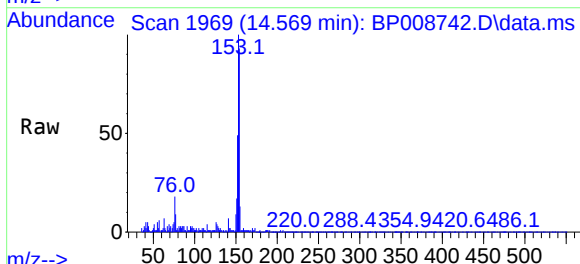
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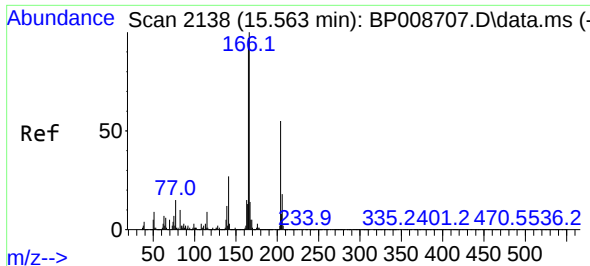
01/10/2022



#52
Acenaphthene
Concen: 3.595 ng
RT: 14.569 min Scan# 1969
Delta R.T. -0.012 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Tgt Ion:154 Resp: 94240
Ion Ratio Lower Upper
154 100
153 107.6 89.4 134.2
152 52.9 42.6 63.8





#58
Fluorene
Concen: 3.452 ng
RT: 15.557 min Scan# 2138
Delta R.T. -0.006 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Instrument :

BNA_P

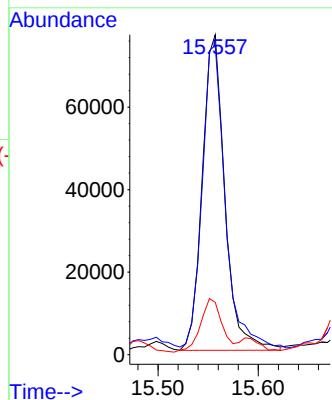
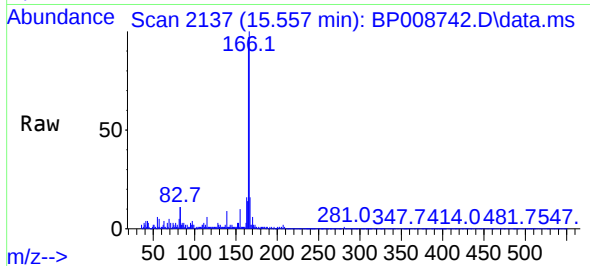
ClientSampleId :

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Tgt Ion:166 Resp: 12012
Ion Ratio Lower Upper
166 100
165 96.8 77.2 115.8
167 16.3 11.2 16.8

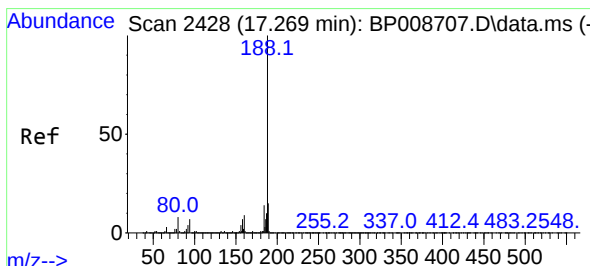
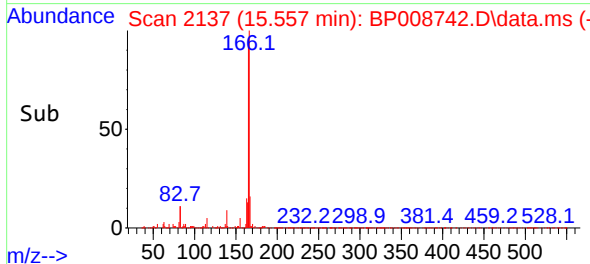
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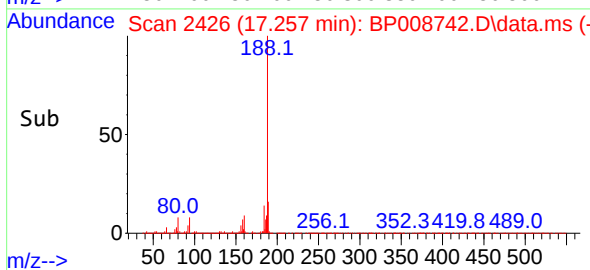
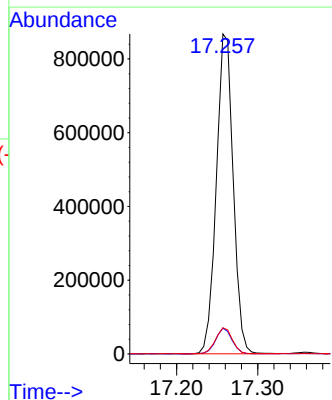
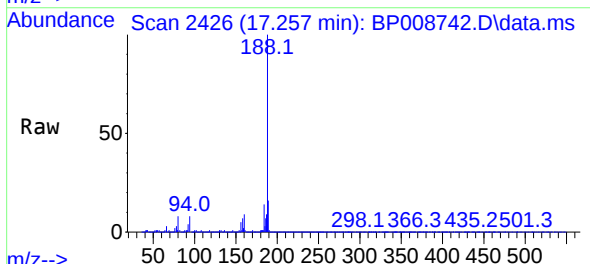
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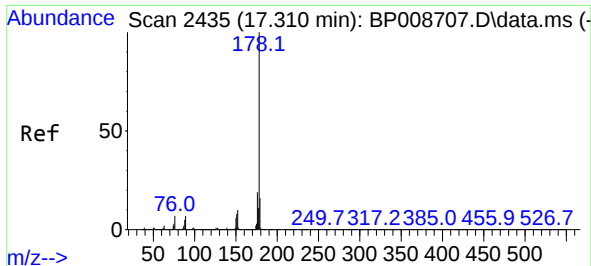
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. -0.012 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Tgt Ion:188 Resp: 1253193
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.2 7.2 10.8





#71
Phenanthrene
Concen: 37.315 ng
RT: 17.304 min Scan# 2435
Delta R.T. -0.006 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Instrument :

BNA_P

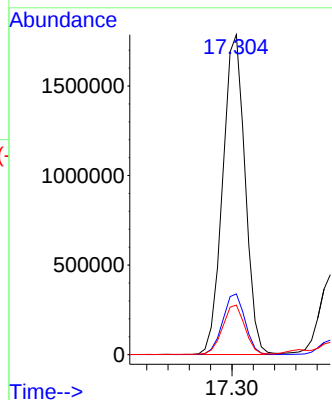
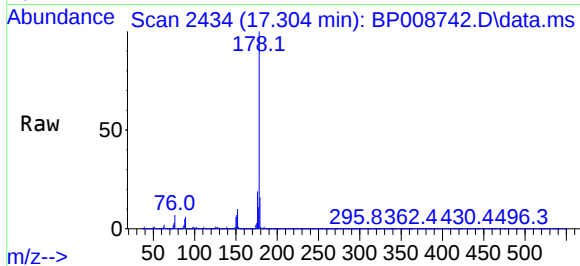
ClientSampleId :

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Tgt Ion:178 Resp: 259818
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.5 13.0 19.4

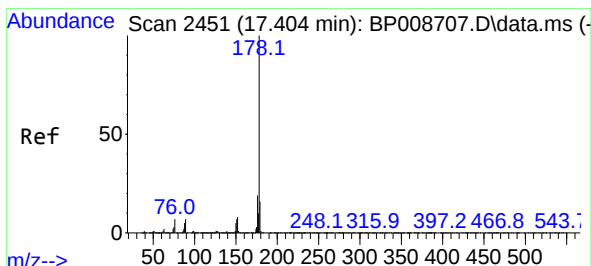
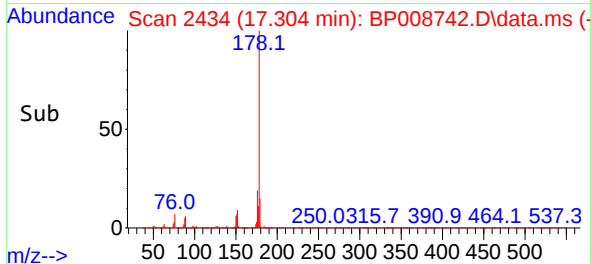
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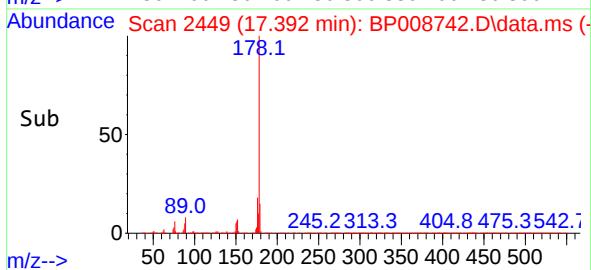
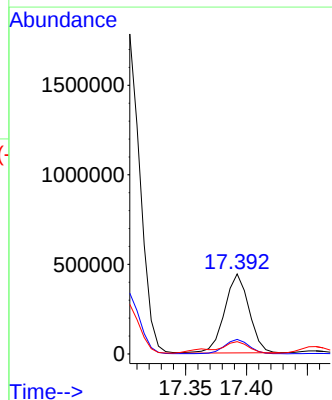
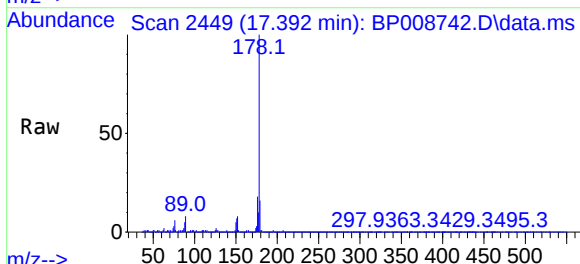
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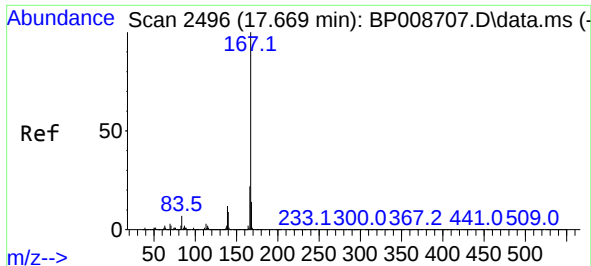
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#72
Anthracene
Concen: 8.647 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.012 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

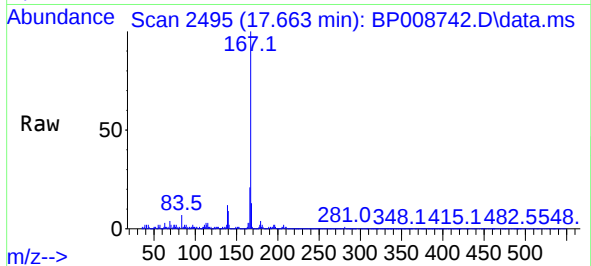
Tgt Ion:178 Resp: 614842
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 15.5 12.8 19.2





#73
 Carbazole
 Concen: 5.617 ng
 RT: 17.663 min Scan# 2496
 Delta R.T. -0.006 min
 Lab File: BP008742.D
 Acq: 08 Jan 2022 00:01

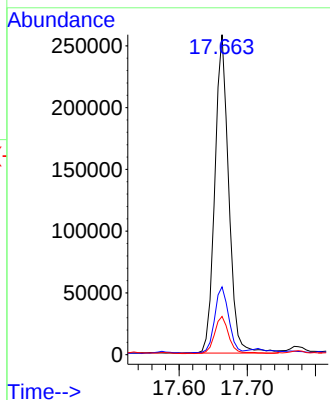
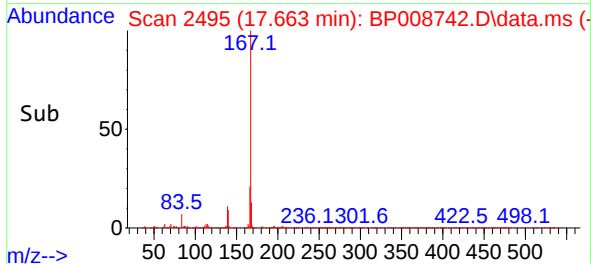
Instrument :
 BNA_P
 ClientSampleId :
 PX-1-010522



Tgt Ion:167 Resp: 366024
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.7 26.5
 139 11.9 9.8 14.6

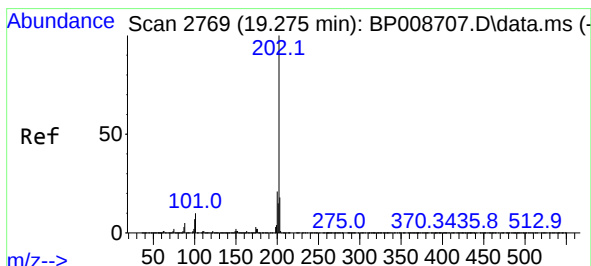
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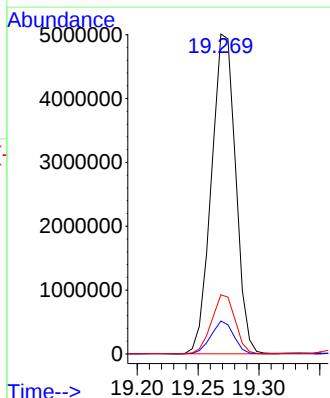
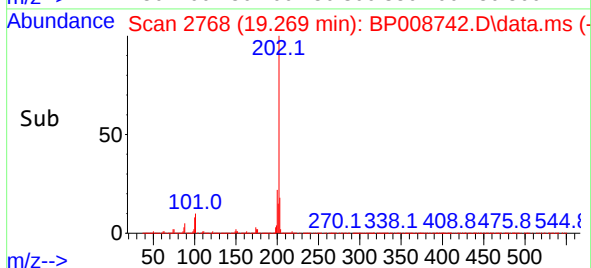
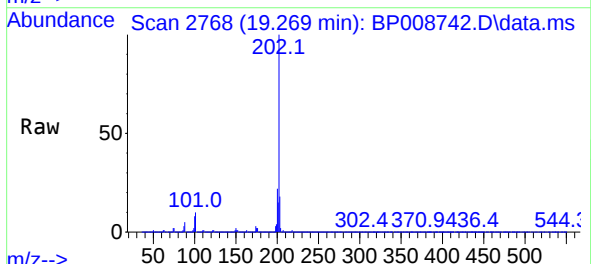
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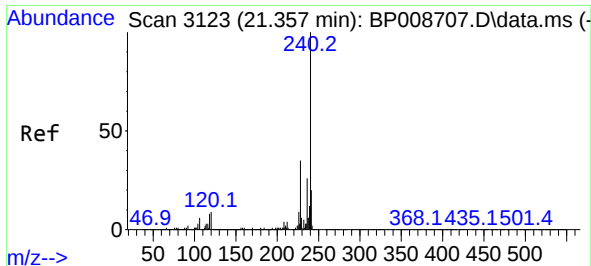
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#75
 Fluoranthene
 Concen: 83.236 ng
 RT: 19.269 min Scan# 2768
 Delta R.T. -0.006 min
 Lab File: BP008742.D
 Acq: 08 Jan 2022 00:01

Tgt Ion:202 Resp: 6939933
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 30.7
 203 18.5 0.0 38.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.351 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Instrument :

BNA_P

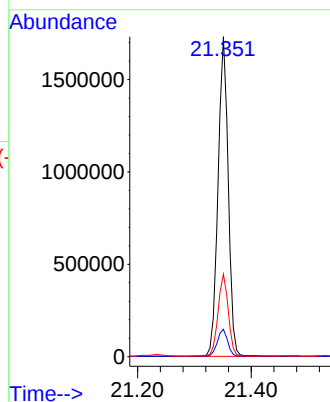
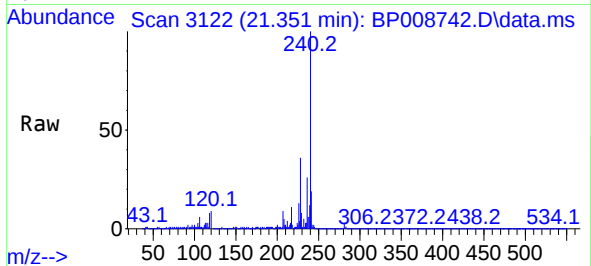
ClientSampleId :

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Tgt Ion:240 Resp: 2144149
Ion Ratio Lower Upper
240 100
120 8.6 7.7 11.5
236 25.8 21.2 31.8

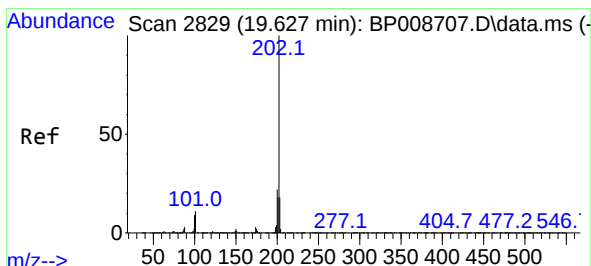
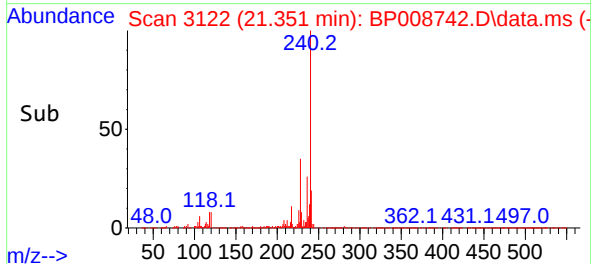
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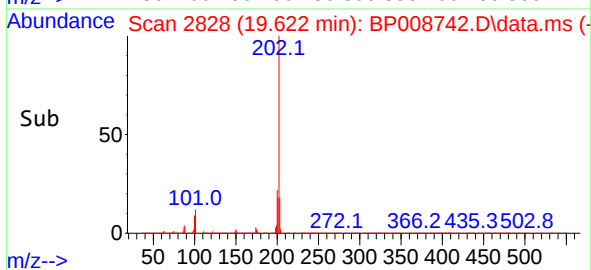
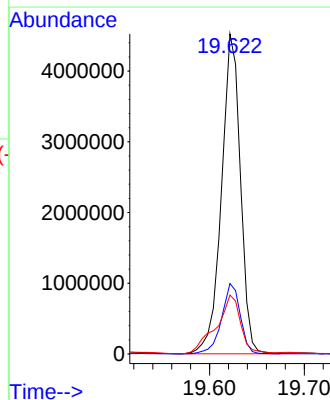
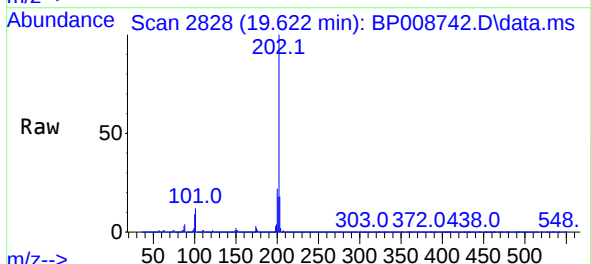
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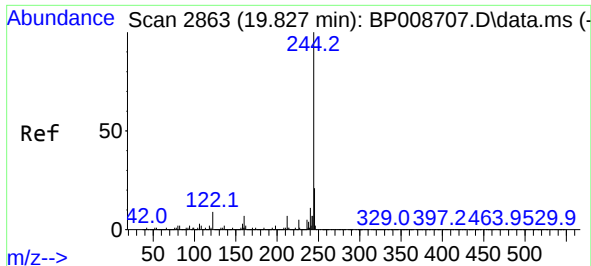
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#78
Pyrene
Concen: 44.820 ng
RT: 19.622 min Scan# 2828
Delta R.T. -0.006 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Tgt Ion:202 Resp: 6283768
Ion Ratio Lower Upper
202 100
200 22.0 18.0 27.0
203 18.4 15.0 22.6





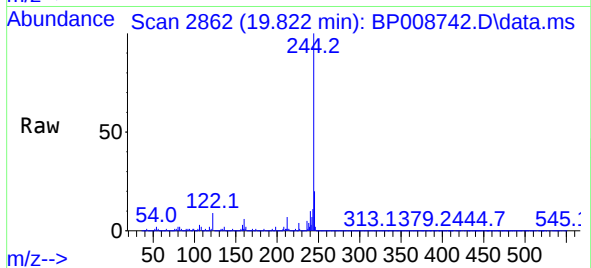
#79
Terphenyl-d14
Concen: 48.461 ng
RT: 19.822 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Instrument :

BNA_P

ClientSampleId :

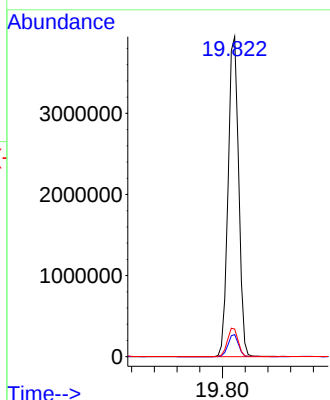
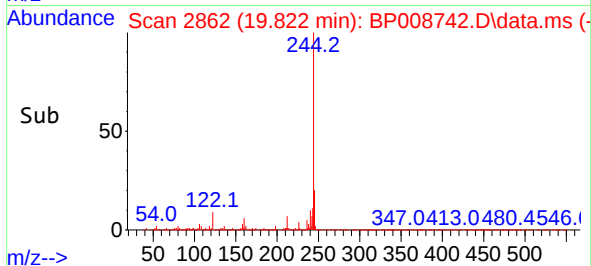
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Tgt Ion:244 Resp: 5098933
Ion Ratio Lower Upper
244 100
212 6.9 6.5 9.7
122 8.6 9.2 13.8

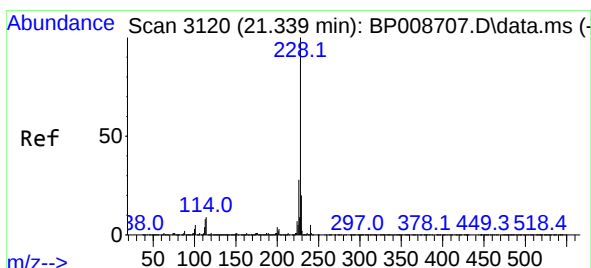
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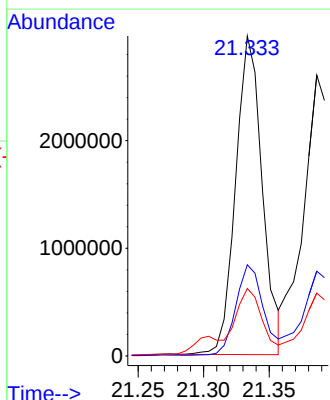
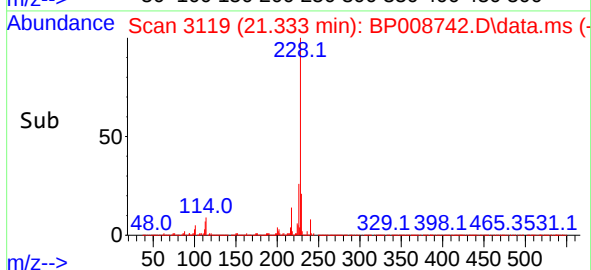
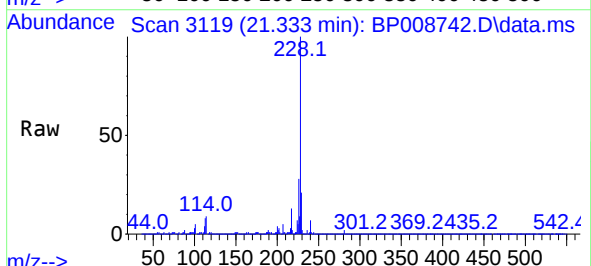
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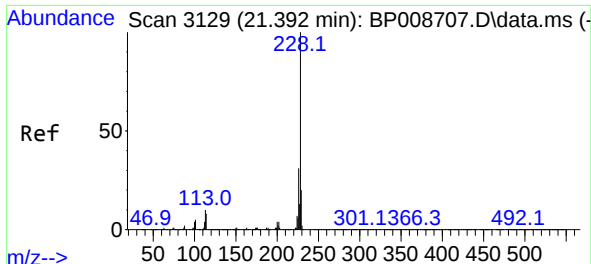
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#81
Benzo(a)anthracene
Concen: 29.735 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

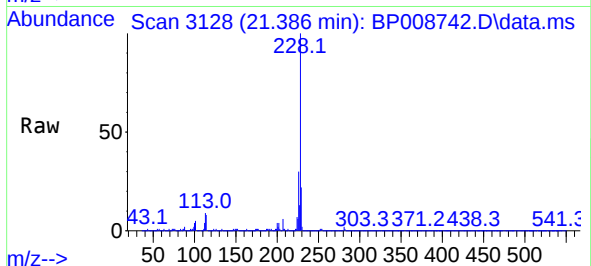
Tgt Ion:228 Resp: 4182772
Ion Ratio Lower Upper
228 100
226 28.5 23.3 34.9
229 21.1 17.0 25.6





#83
Chrysene
Concen: 27.961 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

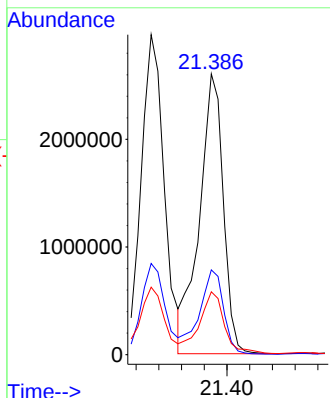
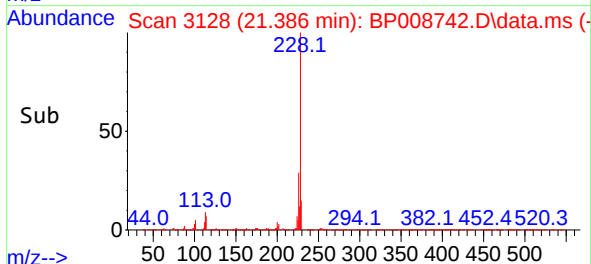
Instrument :
BNA_P
ClientSampleId :
PX-1-010522



Tgt Ion:228 Resp: 379416
Ion Ratio Lower Upper
228 100
226 30.2 26.0 39.0
229 22.4 16.9 25.3

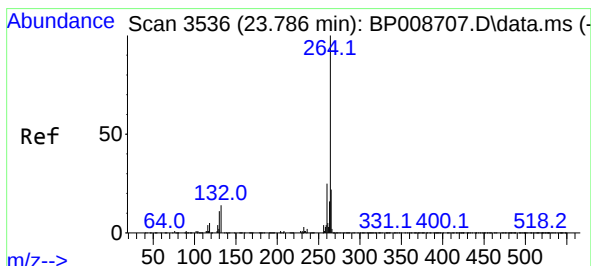
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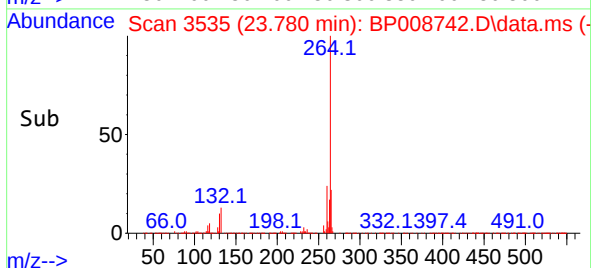
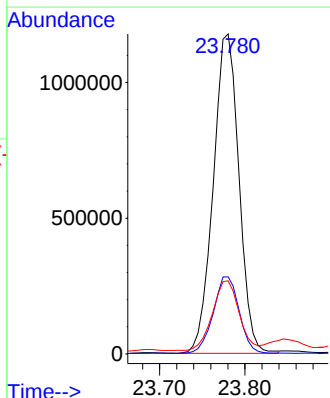
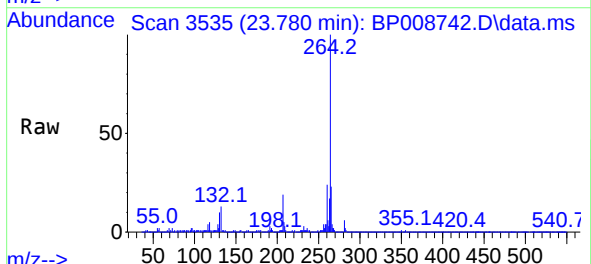
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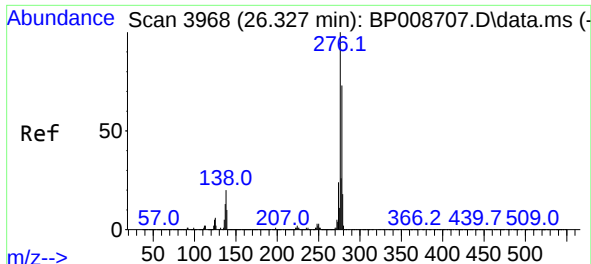
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.780 min Scan# 3535
Delta R.T. -0.006 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Tgt Ion:264 Resp: 2463833
Ion Ratio Lower Upper
264 100
260 24.1 19.1 28.7
265 22.9 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 15.358 ng
RT: 26.309 min Scan# 3409
Delta R.T. -0.018 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Instrument :

BNA_P

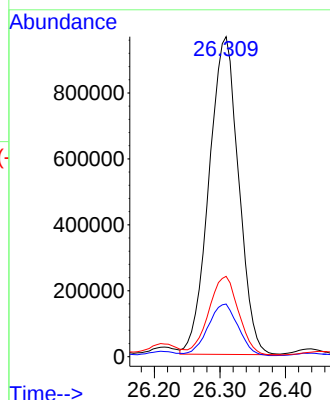
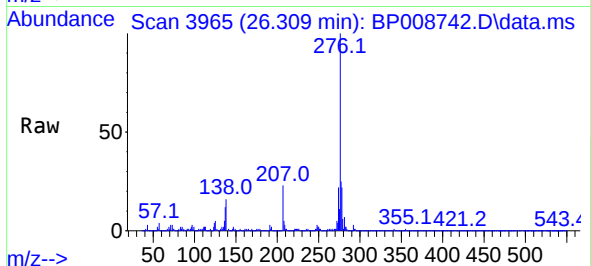
ClientSampleId :

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Tgt Ion:276 Resp: 302359
Ion Ratio Lower Upper
276 100
138 16.5 17.8 26.6
277 24.8 20.4 30.6

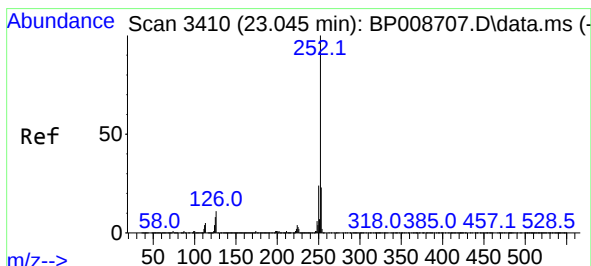
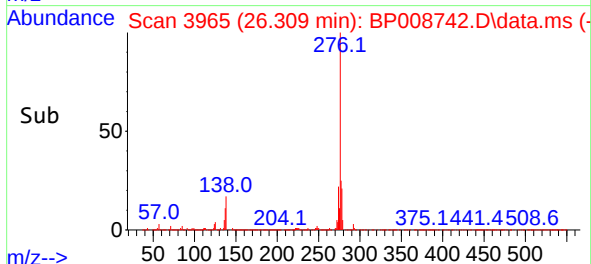
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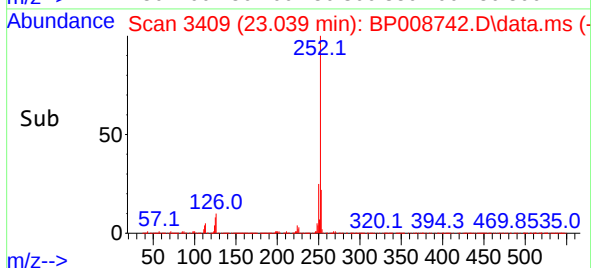
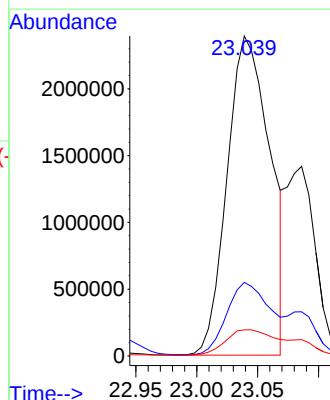
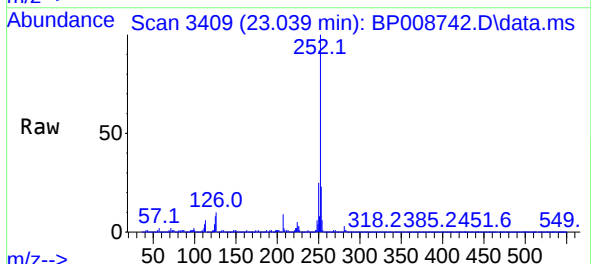
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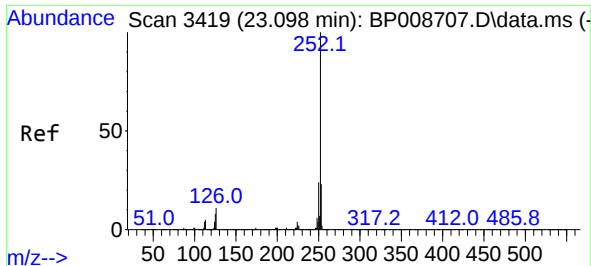
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#88
Benzo(b)fluoranthene
Concen: 36.373 ng
RT: 23.039 min Scan# 3409
Delta R.T. -0.006 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Tgt Ion:252 Resp: 5855517
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 8.1 6.9 10.3





#89
Benzo(k)fluoranthene
Concen: 15.367 ng m
RT: 23.086 min Scan# 3419
Delta R.T. -0.012 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Instrument :

BNA_P

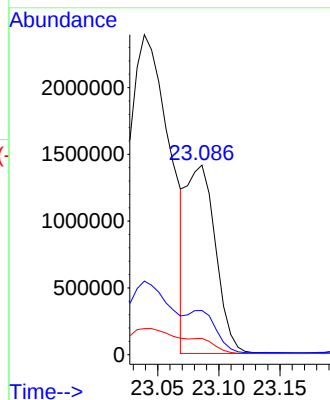
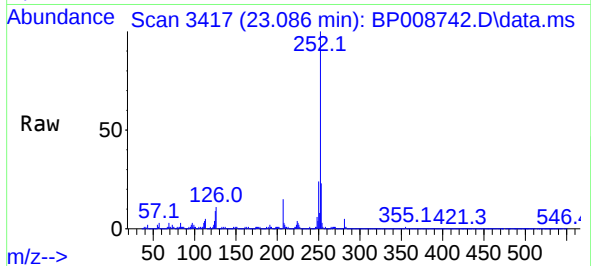
ClientSampleId :

PX-1-010522

Tgt Ion:252 Resp: 2315290
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 8.6 7.3 10.9

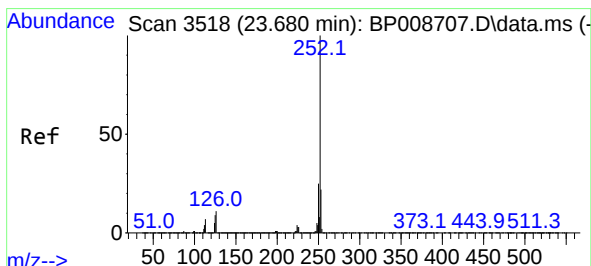
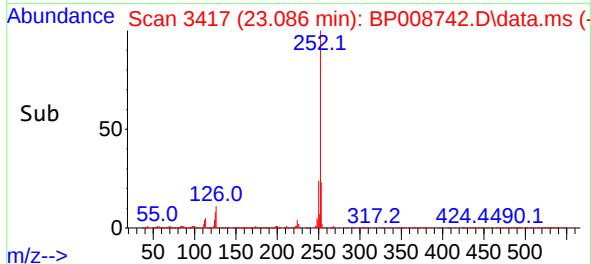
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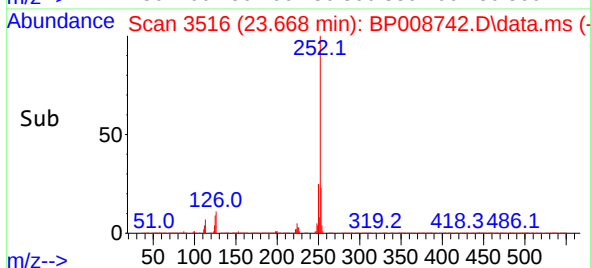
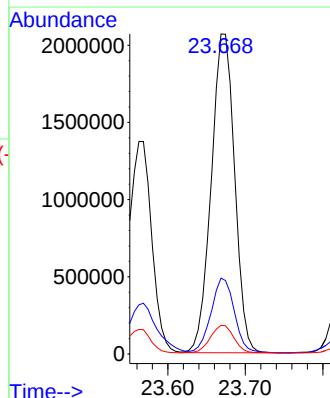
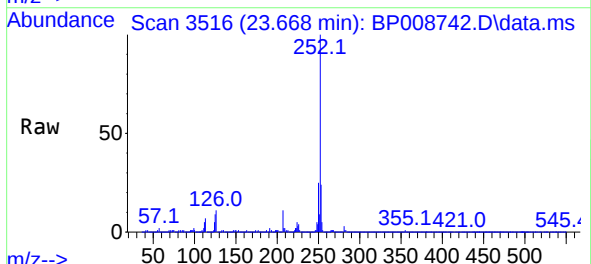
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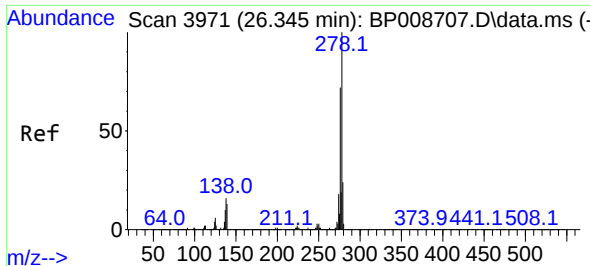
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#90
Benzo(a)pyrene
Concen: 27.849 ng
RT: 23.668 min Scan# 3516
Delta R.T. -0.012 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Tgt Ion:252 Resp: 4333150
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 9.0 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 4.645 ng m
RT: 26.315 min Scan# 3971
Delta R.T. -0.029 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Instrument :

BNA_P

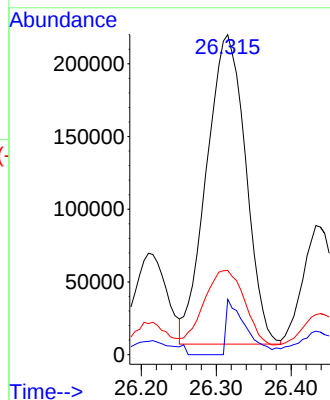
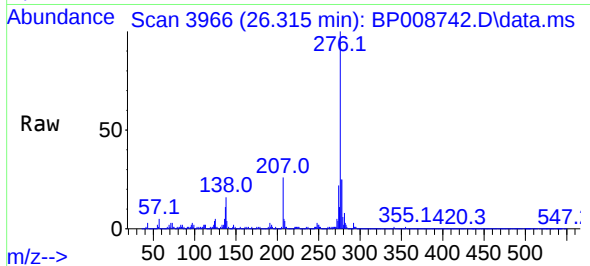
ClientSampleId :

PX-1-010522

Tgt Ion:278 Resp: 77267
Ion Ratio Lower Upper
278 100
139 17.3 11.5 17.3
279 26.3 19.1 28.7

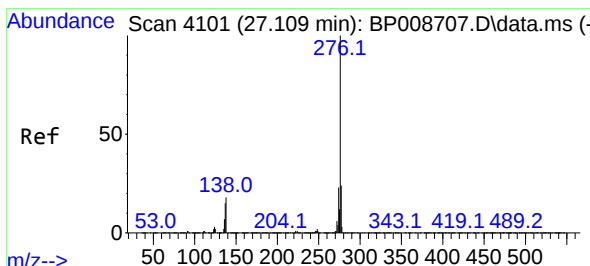
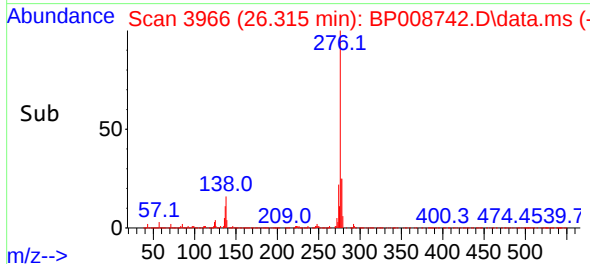
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022



01/10/2022
Supervised By :Jagrut
Upadhyay

01/10/2022



#92
Benzo(g,h,i)perylene
Concen: 17.627 ng
RT: 27.086 min Scan# 4097
Delta R.T. -0.023 min
Lab File: BP008742.D
Acq: 08 Jan 2022 00:01

Tgt Ion:276 Resp: 2910613
Ion Ratio Lower Upper
276 100
277 24.2 19.2 28.8
138 17.5 15.0 22.4

