

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121121\
 Data File : BP008371.D
 Acq On : 11 Dec 2021 16:45
 Operator : CG/JU
 Sample : M5051-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/15/2021
 Supervised By : Yogesh Patel 12/16/2021

Quant Time: Dec 11 20:13:20 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 11 03:53:01 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.752	152	65511	20.000	ng	-0.01
21) Naphthalene-d8	10.546	136	244192	20.000	ng	-0.01
39) Acenaphthene-d10	14.404	164	152526	20.000	ng	-0.01
64) Phenanthrene-d10	17.169	188	337442	20.000	ng	-0.01
76) Chrysene-d12	21.280	240	407820	20.000	ng	0.00
86) Perylene-d12	23.657	264	416747	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	569229	139.902	ng	0.00
7) Phenol-d6	6.946	99	775397	141.172	ng	0.00
23) Nitrobenzene-d5	8.916	82	525980	97.947	ng	-0.01
42) 2,4,6-Tribromophenol	15.910	330	328492	168.497	ng	0.00
45) 2-Fluorobiphenyl	13.022	172	895907	85.319	ng	-0.01
79) Terphenyl-d14	19.745	244	1534917	78.659	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.598	128	57766	4.618	ng	98
49) Acenaphthylene	14.128	152	43673	3.239	ng	98
71) Phenanthrene	17.210	178	309830	17.390	ng	100
72) Anthracene	17.304	178	80725	4.566	ng	98
75) Fluoranthene	19.192	202	584906	24.370	ng	99
78) Pyrene	19.545	202	615289	22.670	ng	99
81) Benzo(a)anthracene	21.263	228	370289	13.700	ng	97
83) Chrysene	21.316	228	386831m	15.040	ng	
87) Indeno(1,2,3-cd)pyrene	26.127	276	264816	8.734	ng	# 95
88) Benzo(b)fluoranthene	22.933	252	542619	21.598	ng	97
89) Benzo(k)fluoranthene	22.980	252	148403m	6.034	ng	
90) Benzo(a)pyrene	23.551	252	370809	17.269	ng	99
91) Dibenzo(a,h)anthracene	26.133	278	79708	3.166	ng	# 80
92) Benzo(g,h,i)perylene	26.892	276	274048	10.788	ng	98

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

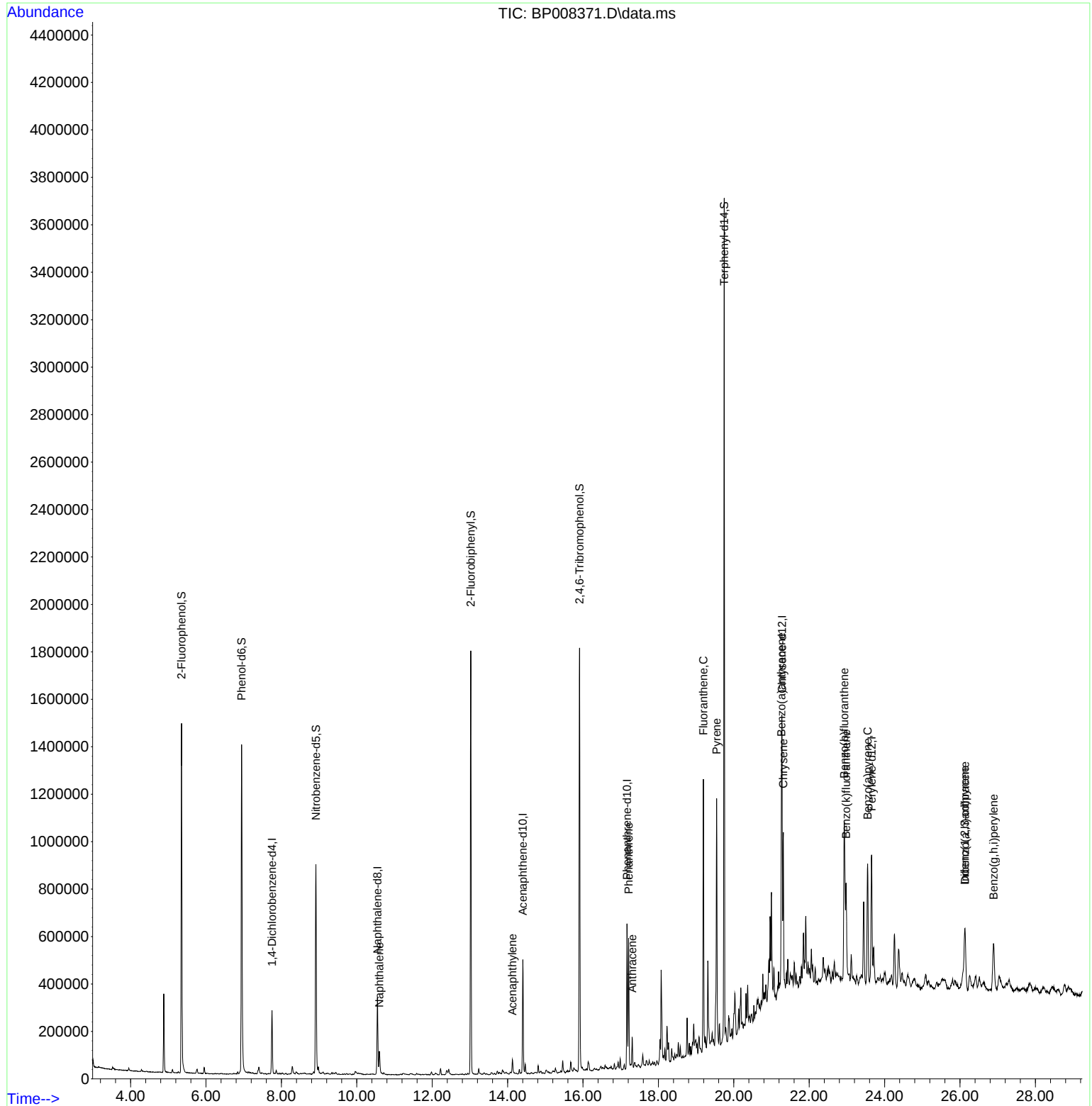
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121121\
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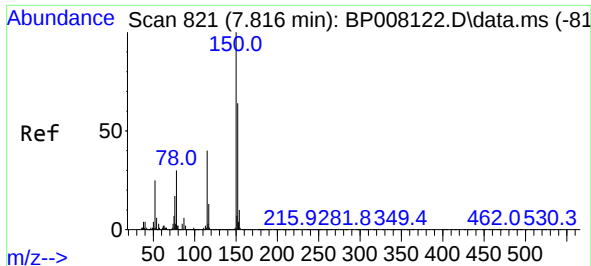
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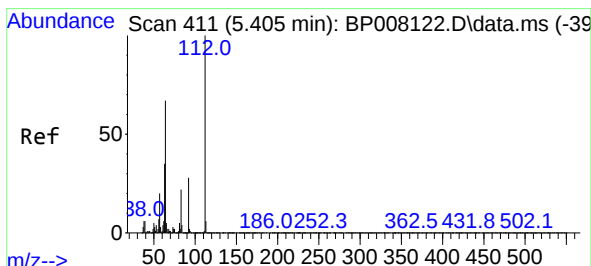
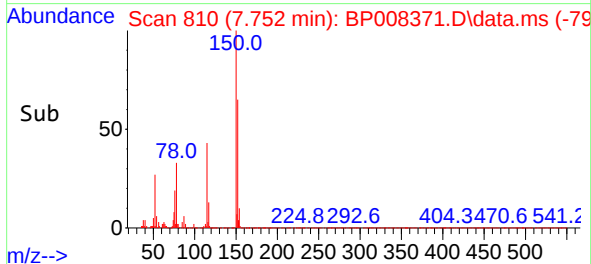
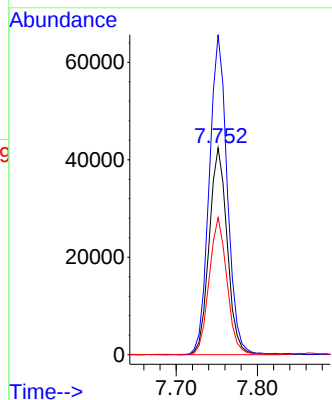
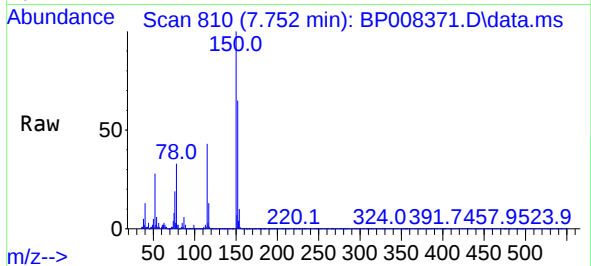
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.752 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

Instrument :
BNA_P
ClientSampleId :
A5

Tgt Ion:152 Resp: 6551
Ion Ratio Lower Upper
152 100
150 154.7 125.7 188.5
115 66.3 50.7 76.1

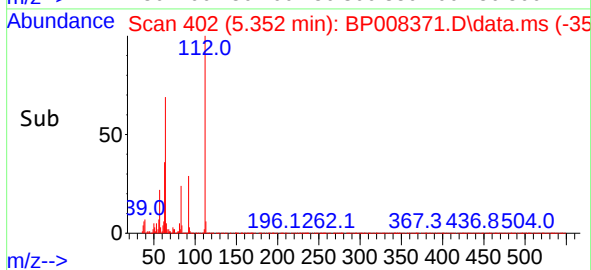
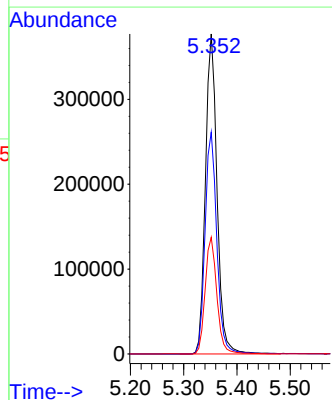
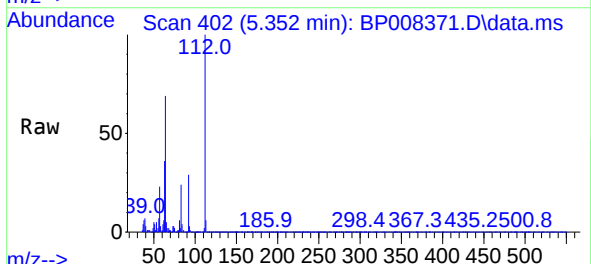
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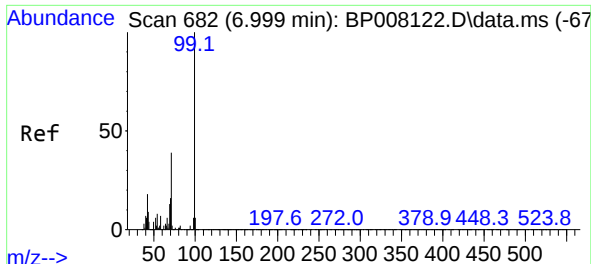
Reviewed By :Christian Giraldo 12/15/2021
Supervised By :Yogesh Patel 12/16/2021



#5
2-Fluorophenol
Concen: 139.902 ng
RT: 5.352 min Scan# 402
Delta R.T. -0.006 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

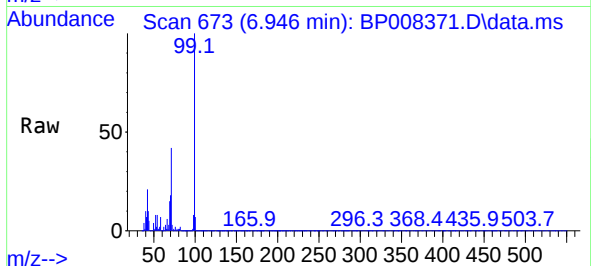
Tgt Ion:112 Resp: 569229
Ion Ratio Lower Upper
112 100
64 69.3 53.4 80.2
63 36.5 27.8 41.8





#7
Phenol-d6
Concen: 141.172 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

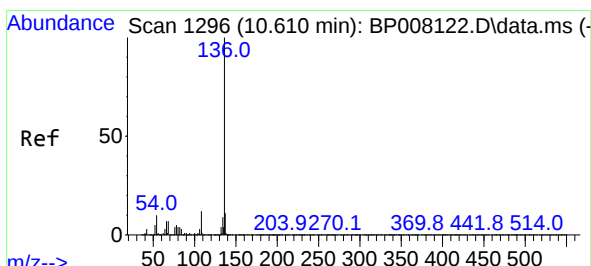
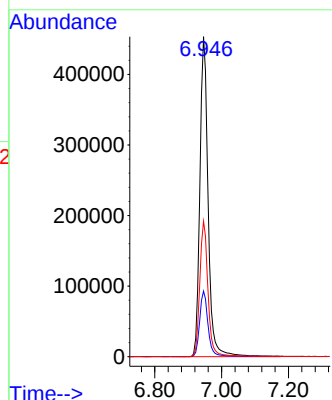
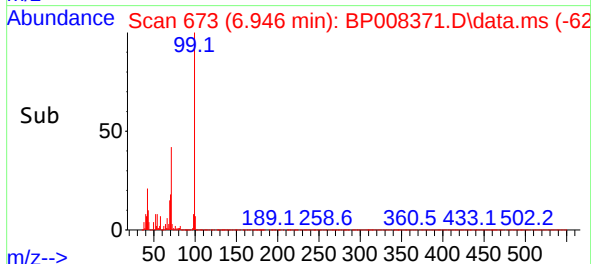
Instrument :
BNA_P
ClientSampleId :
A5



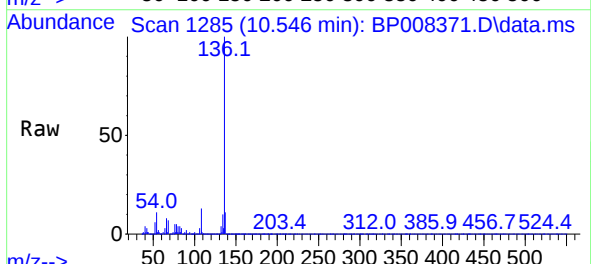
Tgt Ion: 99 Resp: 77539
Ion Ratio Lower Upper
99 100
42 20.5 14.6 22.0
71 42.4 31.1 46.7

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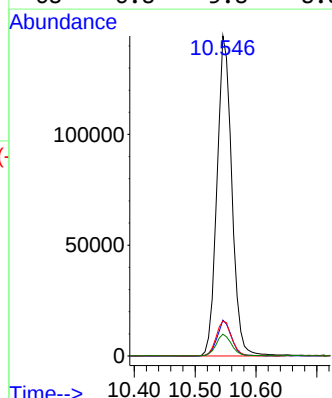
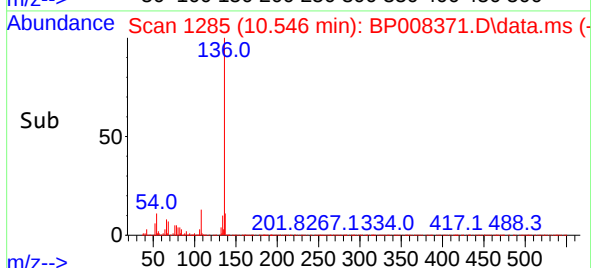
Reviewed By :Christian Giraldo 12/15/2021
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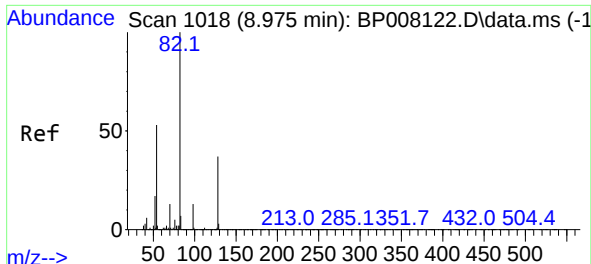


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.546 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45



Tgt Ion:136 Resp: 244192
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 10.9 8.2 12.4
68 6.8 5.8 8.8





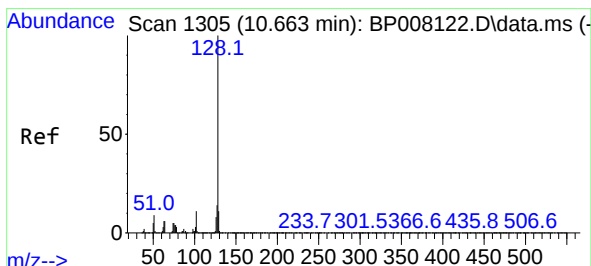
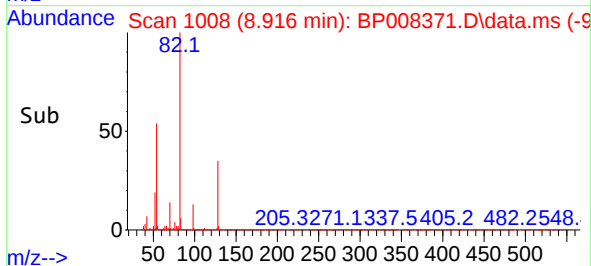
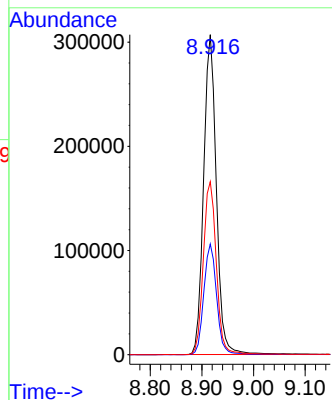
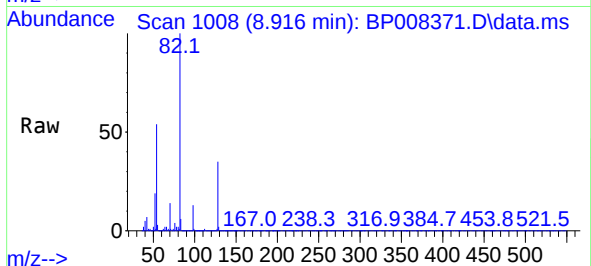
#23
Nitrobenzene-d5
Concen: 97.947 ng
RT: 8.916 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

Instrument :
BNA_P
ClientSampleId :
A5

Tgt Ion: 82 Resp: 525980
Ion Ratio Lower Upper
82 100
128 34.6 29.6 44.4
54 54.1 42.7 64.1

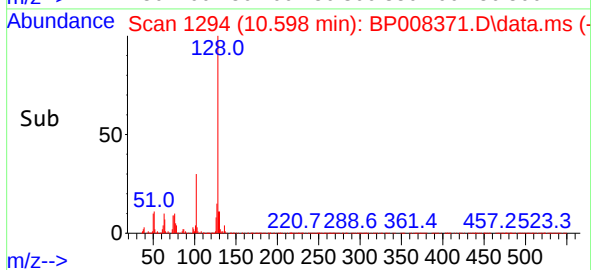
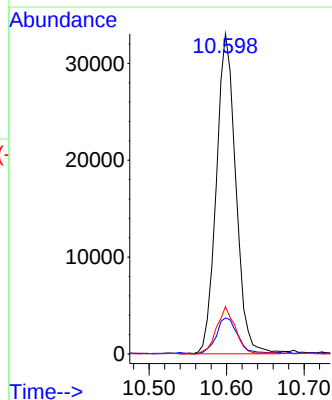
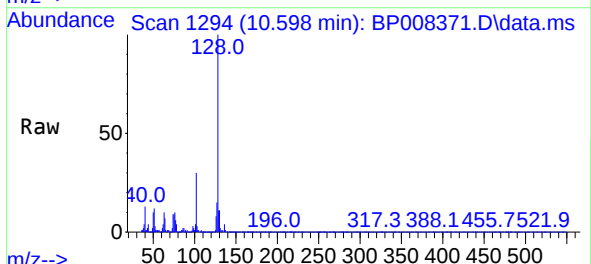
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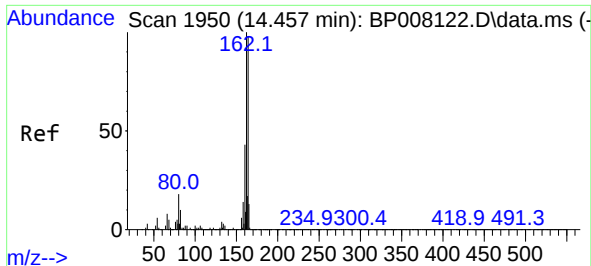
Reviewed By :Christian Giraldo 12/15/2021
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#31
Naphthalene
Concen: 4.618 ng
RT: 10.598 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

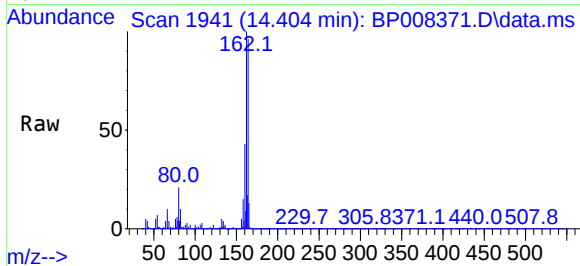
Tgt Ion:128 Resp: 57766
Ion Ratio Lower Upper
128 100
129 11.3 8.5 12.7
127 14.8 10.9 16.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1941
Delta R.T. -0.012 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

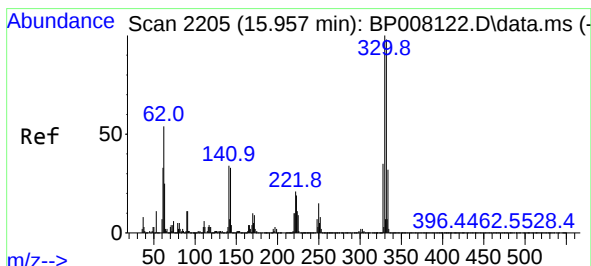
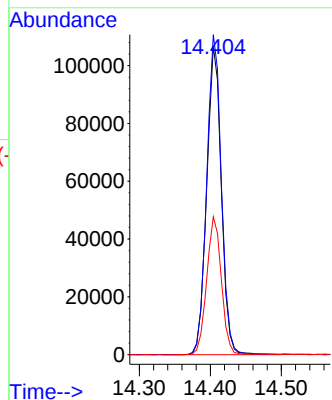
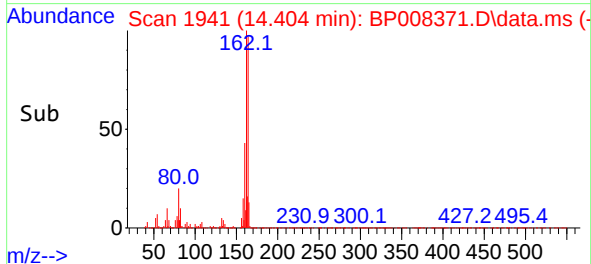
Instrument :
BNA_P
ClientSampleId :
A5



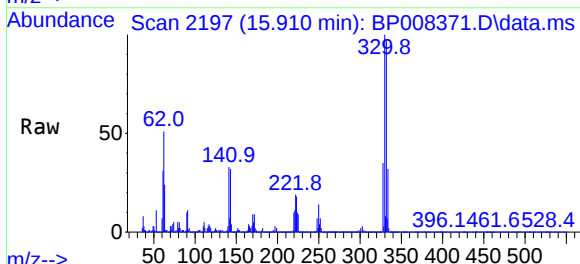
Tgt Ion:164 Resp: 152520
Ion Ratio Lower Upper
164 100
162 103.7 81.9 122.9
160 44.7 35.4 53.0

Manual Integrations
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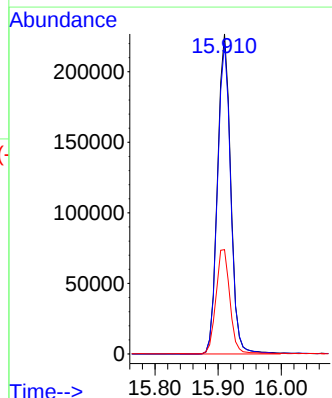
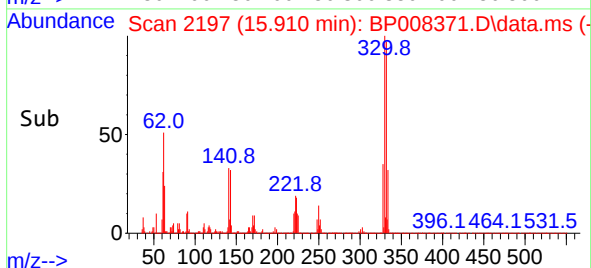
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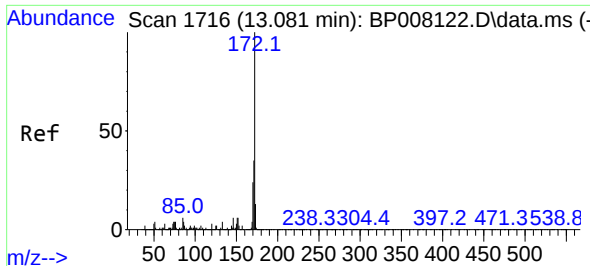


#42
2,4,6-Tribromophenol
Concen: 168.497 ng
RT: 15.910 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45



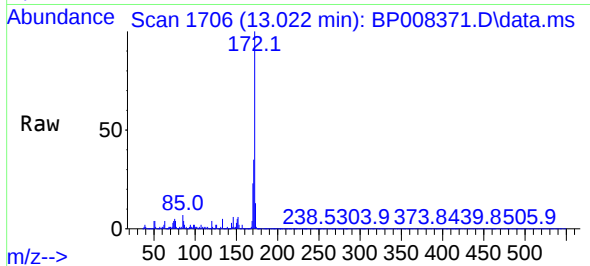
Tgt Ion:330 Resp: 328492
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 34.4 28.4 42.6





#45
2-Fluorobiphenyl
Concen: 85.319 ng
RT: 13.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

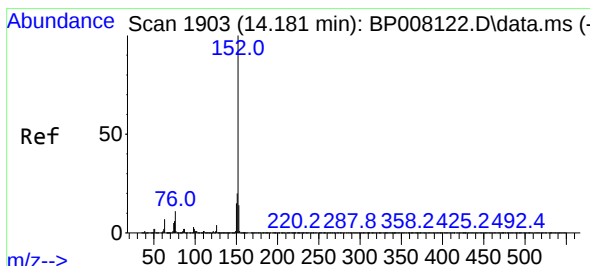
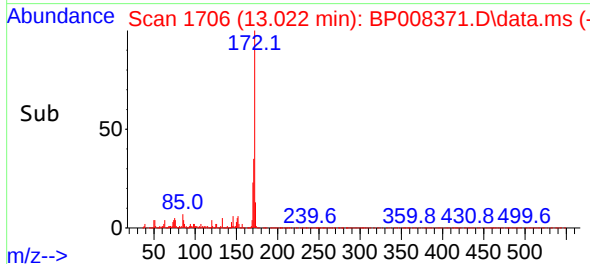
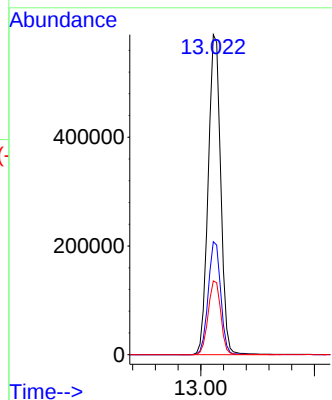
Instrument :
BNA_P
ClientSampleId :
A5



Tgt Ion:172 Resp: 89590
Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 23.0 18.9 28.3

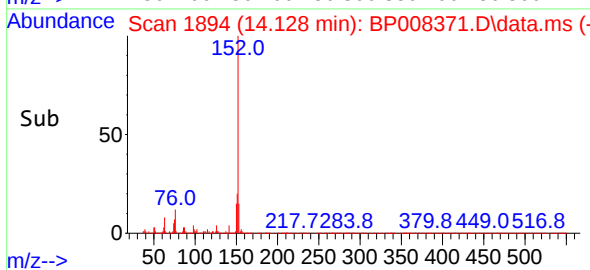
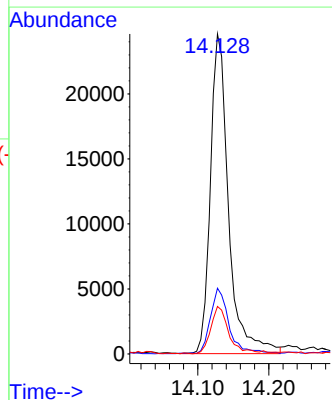
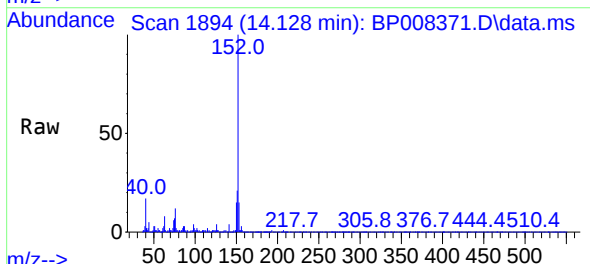
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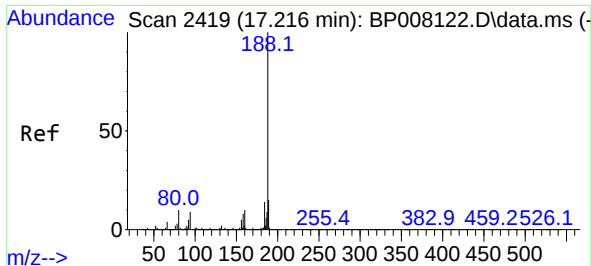
Reviewed By :Christian Giraldo 12/15/2021
Supervised By :Yogesh Patel 12/16/2021



#49
Acenaphthylene
Concen: 3.239 ng
RT: 14.128 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

Tgt Ion:152 Resp: 43673
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.4
153 14.8 10.9 16.3





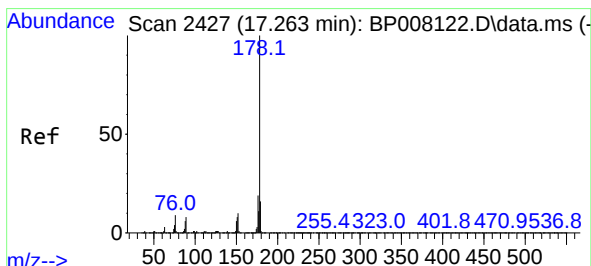
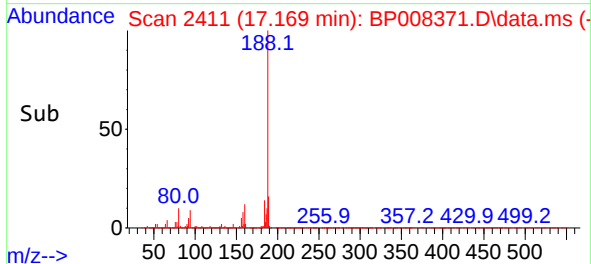
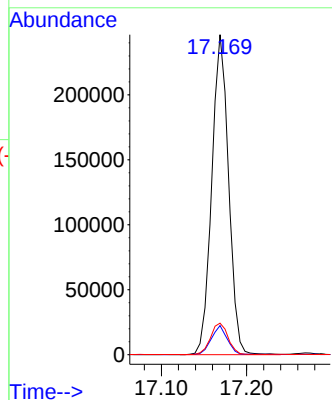
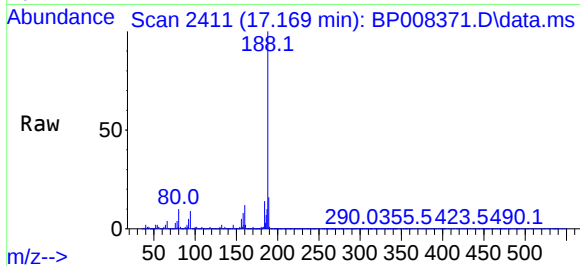
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Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2419
Delta R.T. -0.012 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

Instrument :
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ClientSampleId :
A5

Tgt Ion:188 Resp: 33744
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 9.8 8.2 12.4

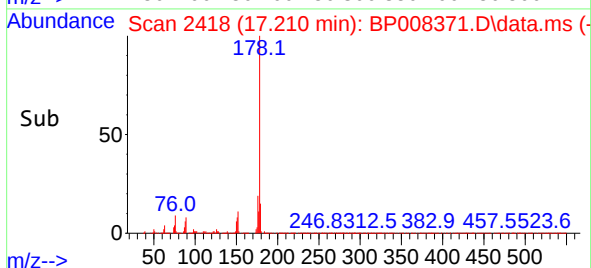
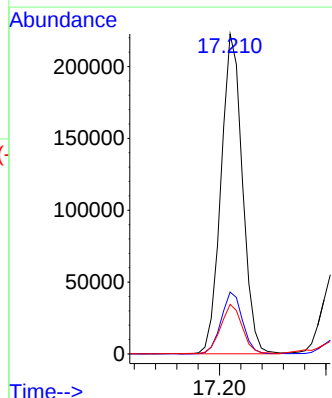
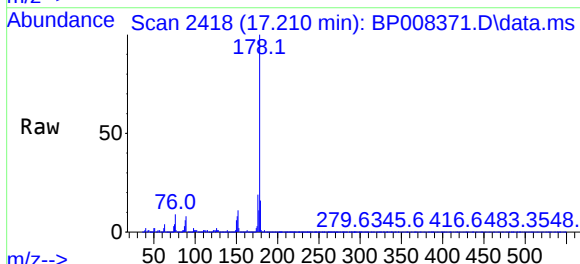
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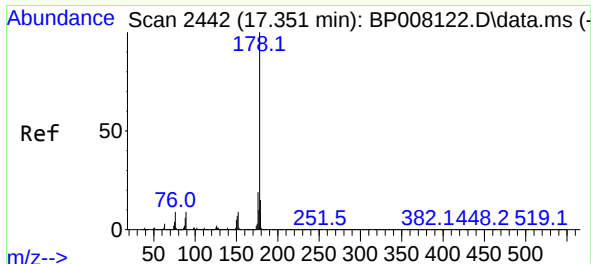
Reviewed By :Christian Giraldo 12/15/2021
Supervised By :Yogesh Patel 12/16/2021



#71
Phenanthrene
Concen: 17.390 ng
RT: 17.210 min Scan# 2418
Delta R.T. -0.012 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

Tgt Ion:178 Resp: 309830
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.5 12.5 18.7





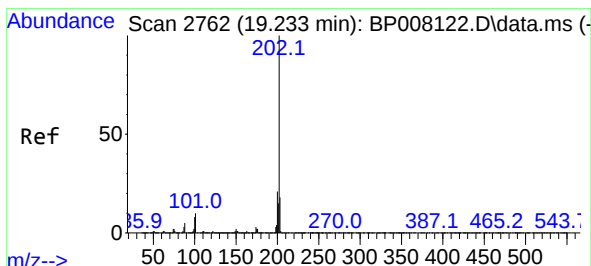
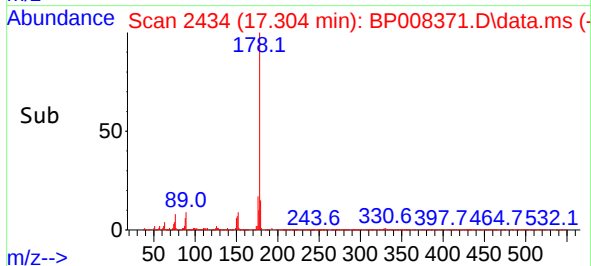
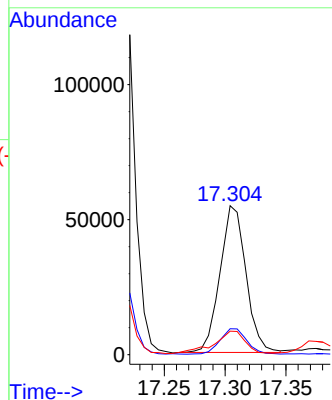
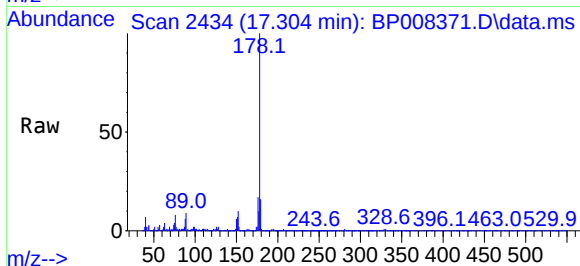
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 Anthracene
 Concen: 4.566 ng
 RT: 17.304 min Scan# 2442
 Delta R.T. -0.012 min
 Lab File: BP008371.D
 Acq: 11 Dec 2021 16:45

Instrument :
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 A5

Tgt Ion:178 Resp: 80725
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.1 22.7
 179 15.8 12.3 18.5

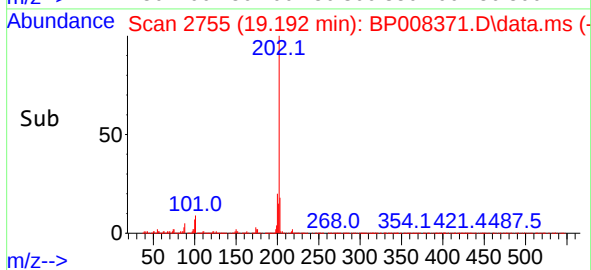
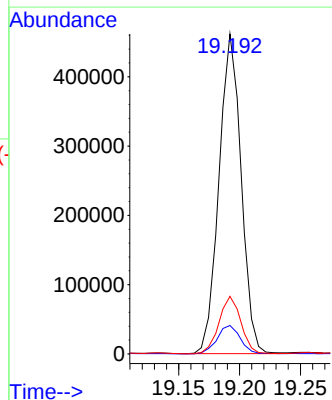
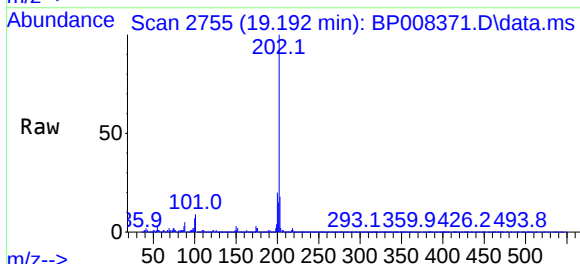
Manual Integrations
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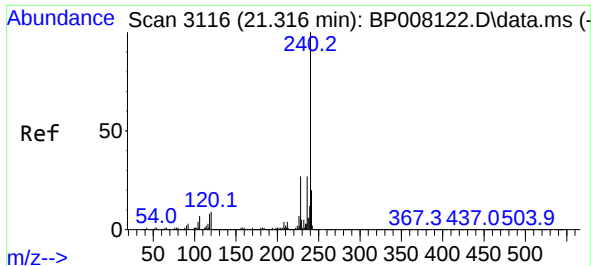
Reviewed By :Christian Giraldo 12/15/2021
 Supervised By :Yogesh Patel 12/16/2021



#75
 Fluoranthene
 Concen: 24.370 ng
 RT: 19.192 min Scan# 2755
 Delta R.T. -0.012 min
 Lab File: BP008371.D
 Acq: 11 Dec 2021 16:45

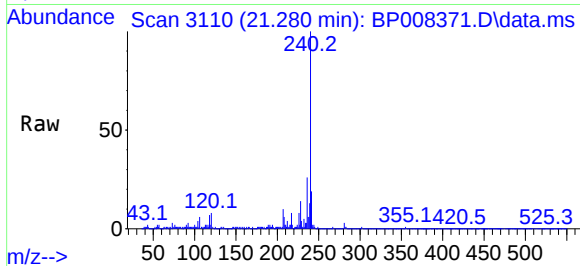
Tgt Ion:202 Resp: 584906
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 29.8
 203 18.0 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.280 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

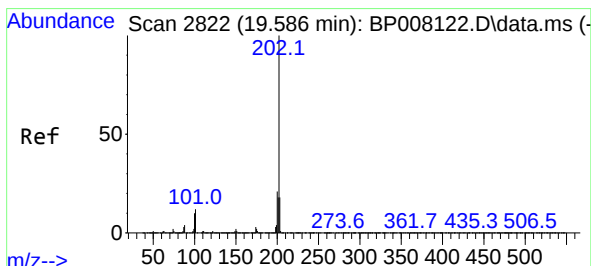
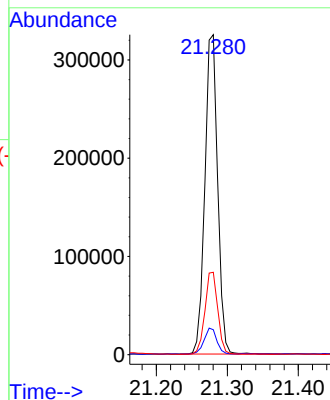
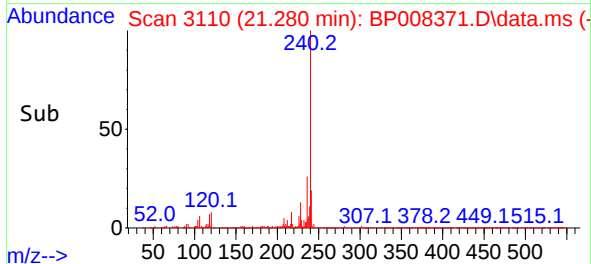
Instrument :
BNA_P
ClientSampleId :
A5



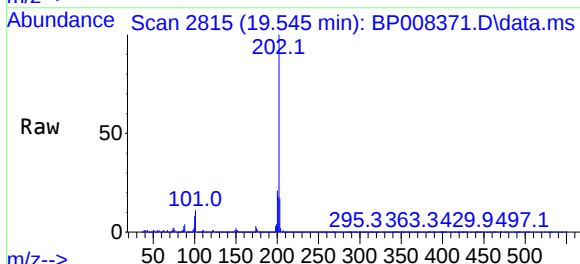
Tgt Ion:240 Resp: 407820
Ion Ratio Lower Upper
240 100
120 7.8 7.3 10.9
236 25.8 21.4 32.2

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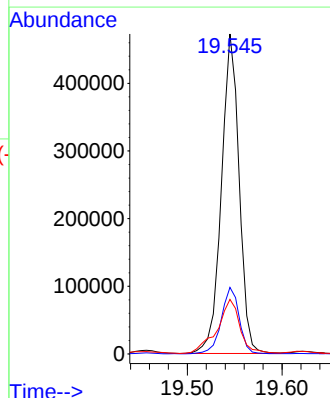
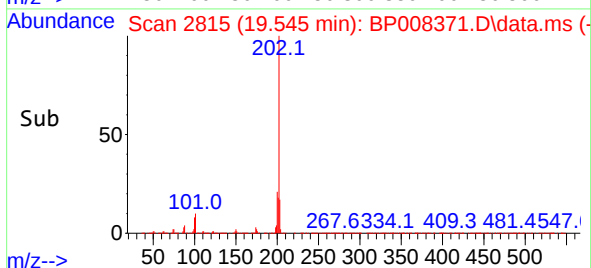
Reviewed By :Christian Giraldo 12/15/2021
Supervised By :Yogesh Patel 12/16/2021

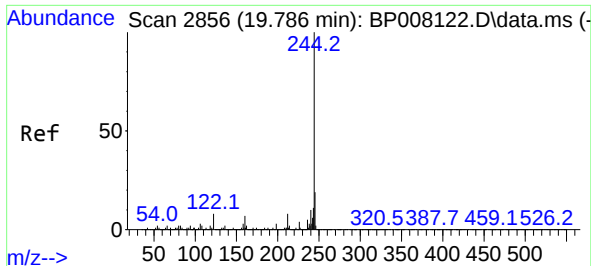


#78
Pyrene
Concen: 22.670 ng
RT: 19.545 min Scan# 2815
Delta R.T. -0.012 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45



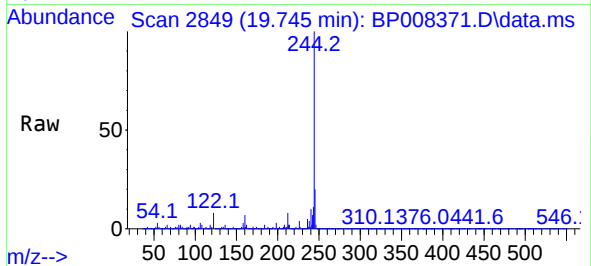
Tgt Ion:202 Resp: 615289
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 17.1 14.2 21.2





#79
Terphenyl-d14
Concen: 78.659 ng
RT: 19.745 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

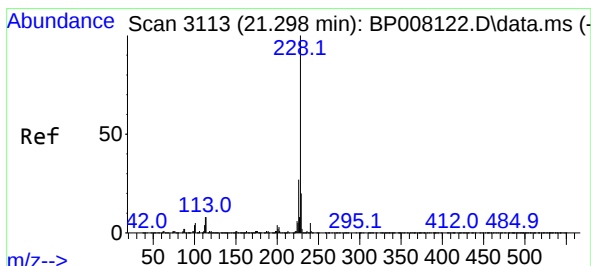
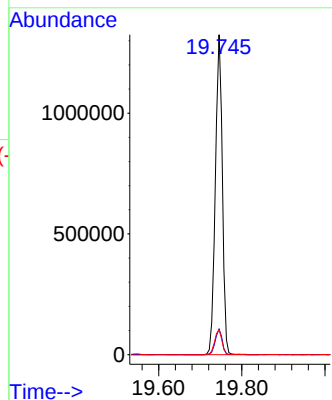
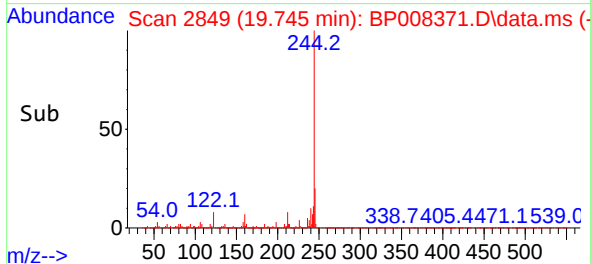
Instrument :
BNA_P
ClientSampleId :
A5



Tgt Ion:244 Resp: 153491
Ion Ratio Lower Upper
244 100
212 8.0 6.0 9.0
122 7.9 6.6 9.8

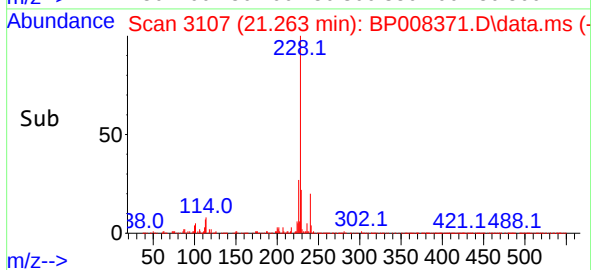
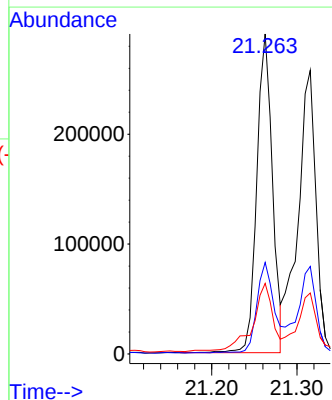
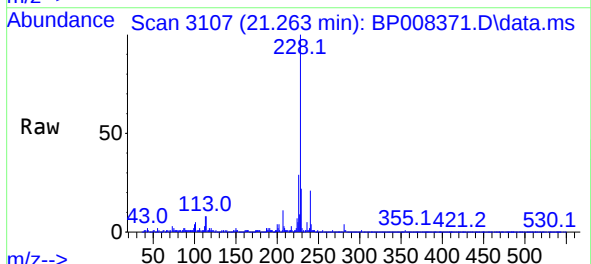
Manual Integrations
APPROVED

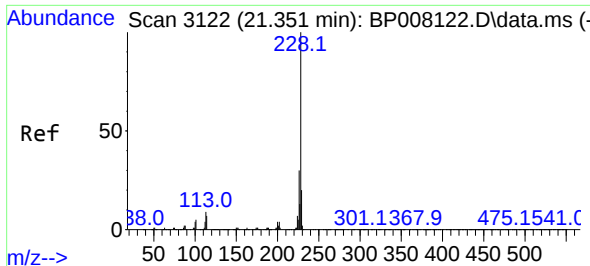
Reviewed By :Christian Giraldo 12/15/2021
Supervised By :Yogesh Patel 12/16/2021



#81
Benzo(a)anthracene
Concen: 13.700 ng
RT: 21.263 min Scan# 3107
Delta R.T. -0.012 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

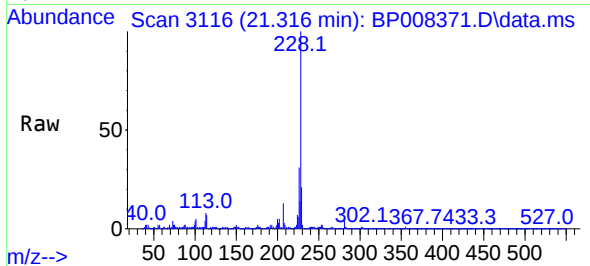
Tgt Ion:228 Resp: 370289
Ion Ratio Lower Upper
228 100
226 28.6 21.9 32.9
229 22.1 15.9 23.9





#83
Chrysene
Concen: 15.040 ng m
RT: 21.316 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

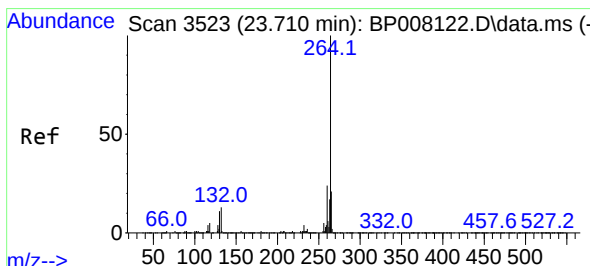
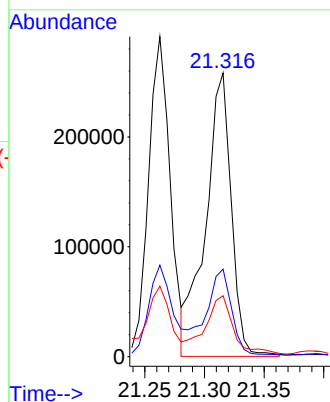
Instrument :
BNA_P
ClientSampleId :
A5



Tgt Ion:228 Resp: 38683
Ion Ratio Lower Upper
228 100
226 30.9 24.0 36.0
229 21.5 15.8 23.8

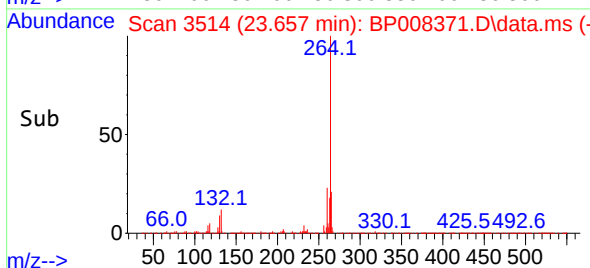
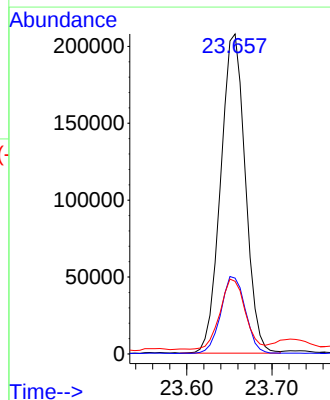
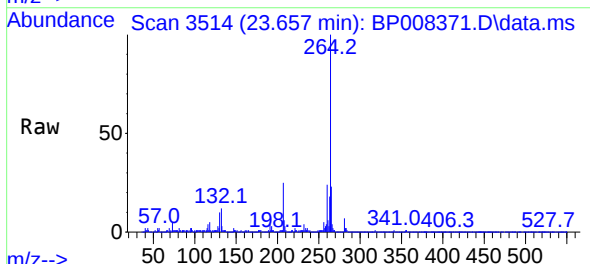
Manual Integrations
APPROVED

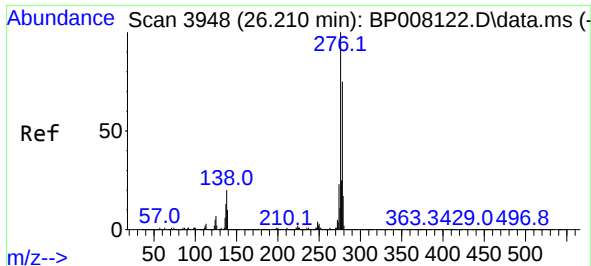
Reviewed By :Christian Giraldo 12/15/2021
Supervised By :Yogesh Patel 12/16/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.657 min Scan# 3514
Delta R.T. -0.018 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

Tgt Ion:264 Resp: 416747
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 22.7 17.6 26.4





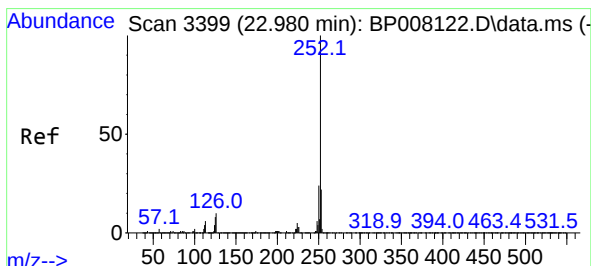
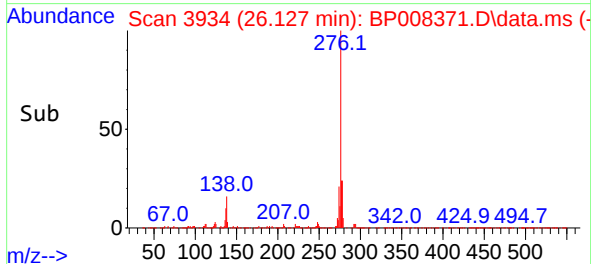
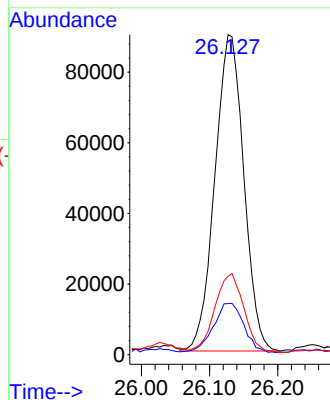
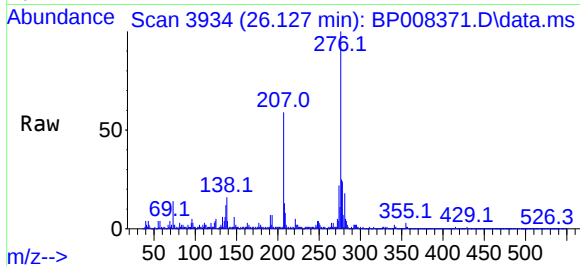
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.734 ng
RT: 26.127 min Scan# 3948
Delta R.T. -0.035 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

Instrument :
BNA_P
ClientSampleId :
A5

Tgt Ion:276 Resp: 264810
Ion Ratio Lower Upper
276 100
138 16.5 16.6 25.0
277 25.5 20.2 30.2

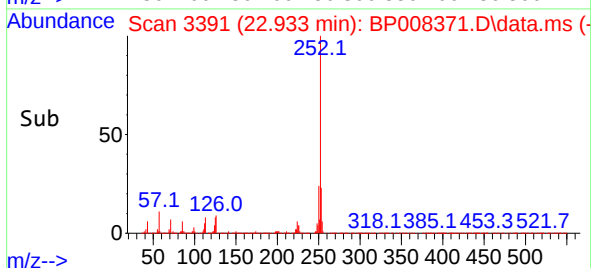
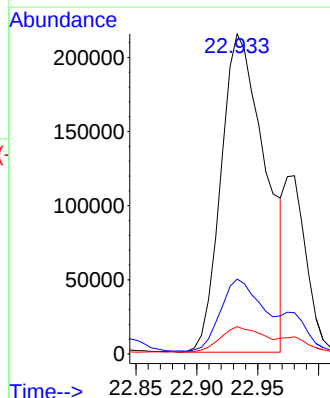
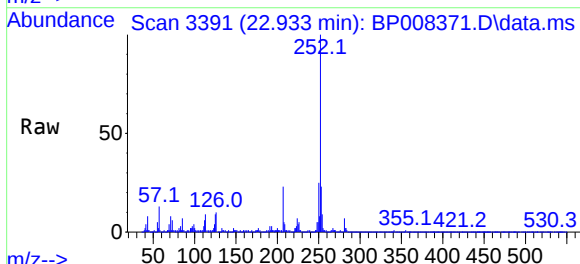
Manual Integrations
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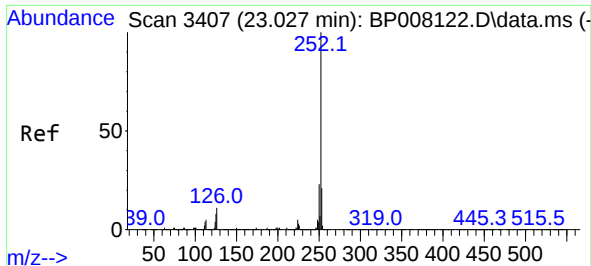
Reviewed By :Christian Giraldo 12/15/2021
Supervised By :Yogesh Patel 12/16/2021



#88
Benzo(b)fluoranthene
Concen: 21.598 ng
RT: 22.933 min Scan# 3391
Delta R.T. -0.012 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

Tgt Ion:252 Resp: 542619
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 8.6 6.2 9.4





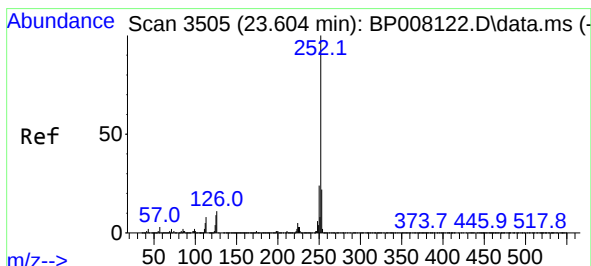
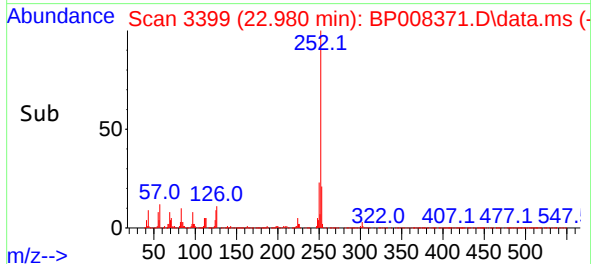
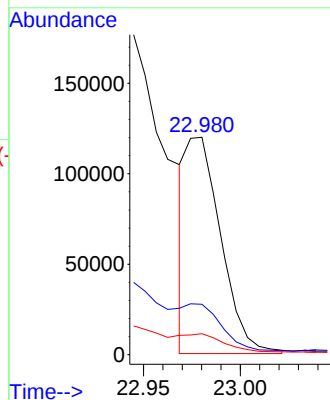
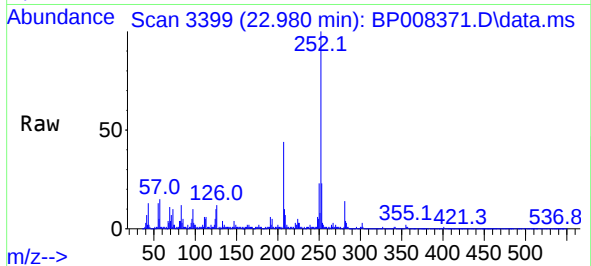
#89
Benzo(k)fluoranthene
Concen: 6.034 ng m
RT: 22.980 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

Instrument :
BNA_P
ClientSampleId :
A5

Tgt Ion:252 Resp: 14840
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 9.6 6.5 9.7

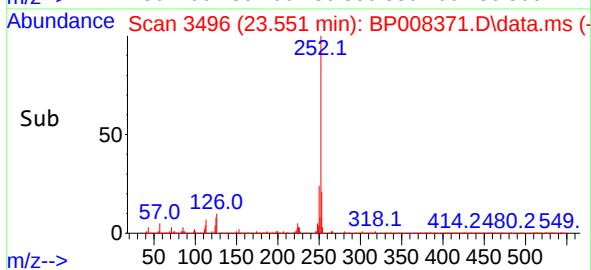
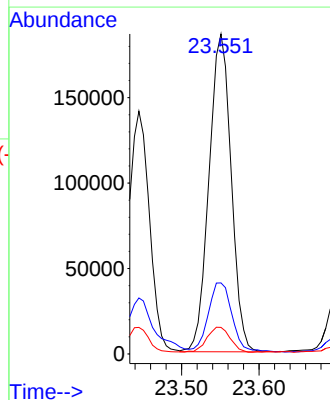
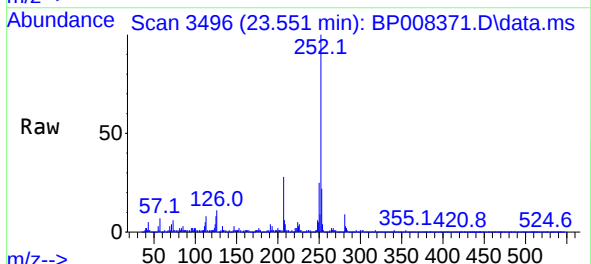
Manual Integrations
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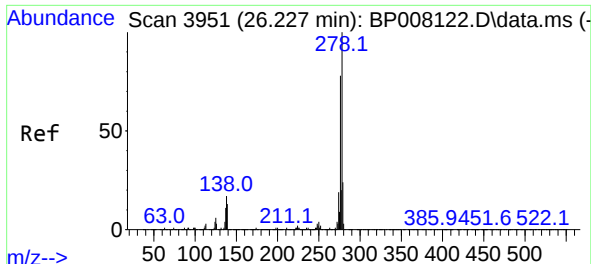
Reviewed By :Christian Giraldo 12/15/2021
Supervised By :Yogesh Patel 12/16/2021



#90
Benzo(a)pyrene
Concen: 17.269 ng
RT: 23.551 min Scan# 3496
Delta R.T. -0.018 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

Tgt Ion:252 Resp: 370809
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 8.3 7.4 11.0





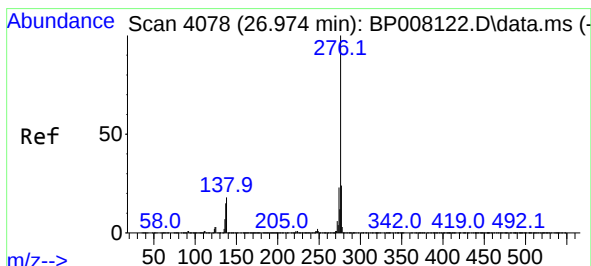
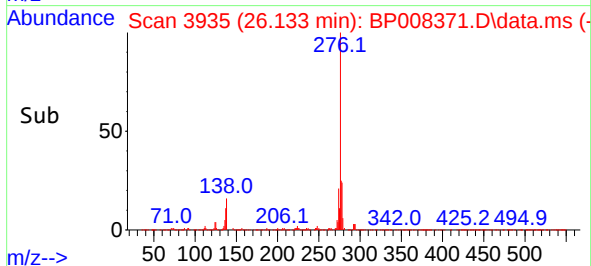
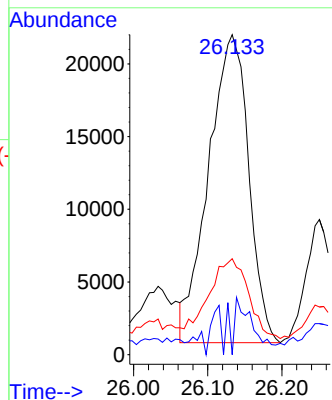
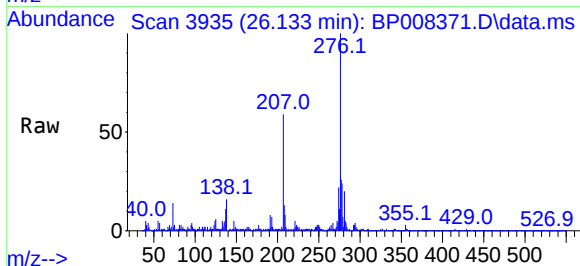
#91
Dibenzo(a,h)anthracene
Concen: 3.166 ng
RT: 26.133 min Scan# 3951
Delta R.T. -0.035 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

Instrument :
BNA_P
ClientSampleId :
A5

Tgt Ion:278 Resp: 79708
Ion Ratio Lower Upper
278 100
139 0.0 10.8 16.2
279 30.0 19.1 28.7

Manual Integrations
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Reviewed By :Christian Giraldo 12/15/2021
Supervised By :Yogesh Patel 12/16/2021



#92
Benzo(g,h,i)perylene
Concen: 10.788 ng
RT: 26.892 min Scan# 4064
Delta R.T. -0.029 min
Lab File: BP008371.D
Acq: 11 Dec 2021 16:45

Tgt Ion:276 Resp: 274048
Ion Ratio Lower Upper
276 100
277 25.2 20.0 30.0
138 15.9 14.1 21.1

