

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033022\
 Data File : BP009620.D
 Acq On : 30 Mar 2022 15:59
 Operator : CG/JU
 Sample : N2150-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 337

Manual Integrations
 APPROVED

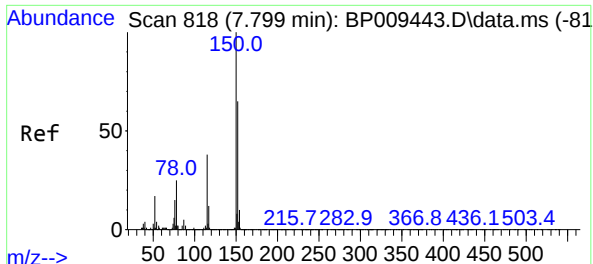
Reviewed By : Christian Giraldo 03/31/2022
 Supervised By : Jagrut Upadhyay 03/31/2022

Quant Time: Mar 31 04:40:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	218129	20.000	ng	0.00
21) Naphthalene-d8	10.528	136	861245	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	489899	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	1019542	20.000	ng	0.00
76) Chrysene-d12	21.269	240	1283258	20.000	ng	0.00
86) Perylene-d12	23.645	264	1396688	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1329473	106.413	ng	0.00
7) Phenol-d6	6.928	99	1718164	101.692	ng	0.00
23) Nitrobenzene-d5	8.893	82	1143368	70.548	ng	0.00
42) 2,4,6-Tribromophenol	15.887	330	804641	99.533	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	2157267	61.045	ng	0.00
79) Terphenyl-d14	19.733	244	3386597	47.368	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.104	152	101444	2.284	ng	100
71) Phenanthrene	17.192	178	563124	10.318	ng	99
72) Anthracene	17.287	178	156657	2.907	ng	99
75) Fluoranthene	19.175	202	2202130	33.329	ng	98
78) Pyrene	19.534	202	2030766	24.015	ng	100
81) Benzo(a)anthracene	21.251	228	1225959	14.541	ng	99
83) Chrysene	21.304	228	1526670	19.123	ng	99
87) Indeno(1,2,3-cd)pyrene	26.116	276	414458	3.911	ng	# 91
88) Benzo(b)fluoranthene	22.927	252	1449878	17.389	ng	99
89) Benzo(k)fluoranthene	22.969	252	500347m	6.129	ng	
90) Benzo(a)pyrene	23.539	252	760625	10.662	ng	97
92) Benzo(g,h,i)perylene	26.880	276	380488	4.380	ng	# 93

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



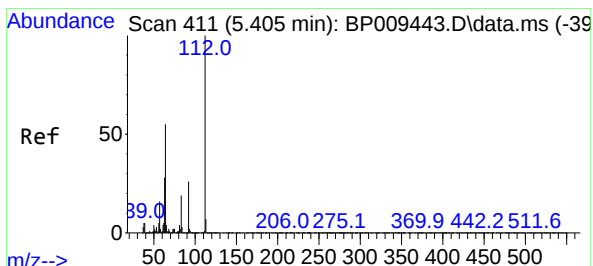
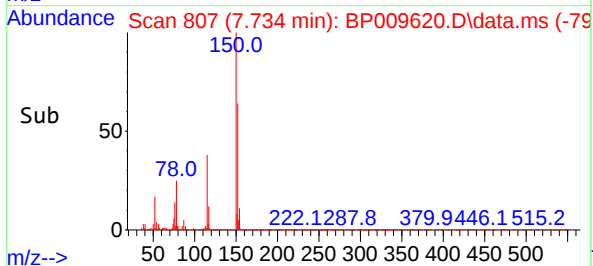
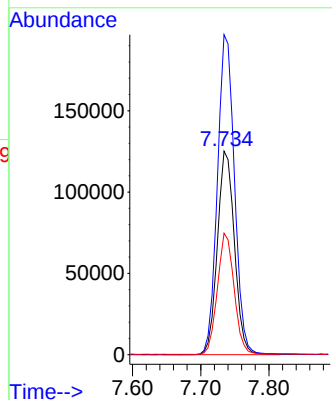
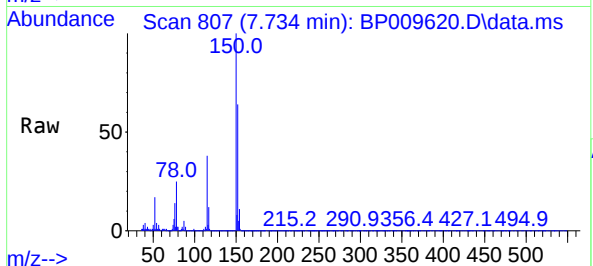
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Instrument :
BNA_P
ClientSampleId :
337

Tgt Ion:152 Resp: 218129
Ion Ratio Lower Upper
152 100
150 157.2 124.5 186.7
115 59.7 48.2 72.4

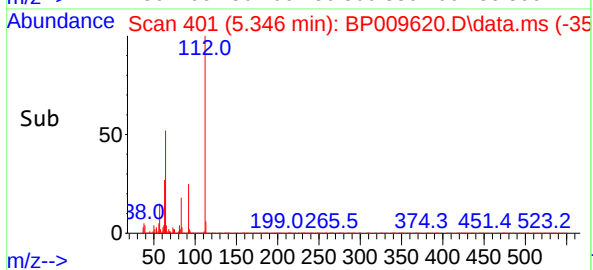
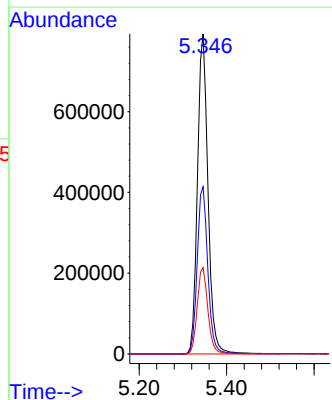
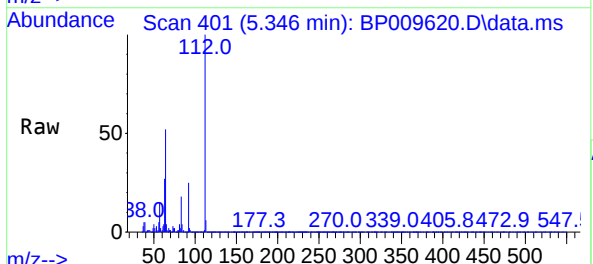
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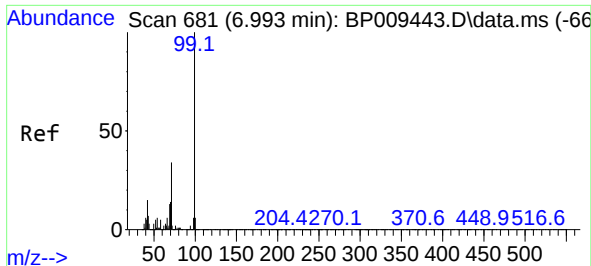
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#5
2-Fluorophenol
Concen: 106.413 ng
RT: 5.346 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

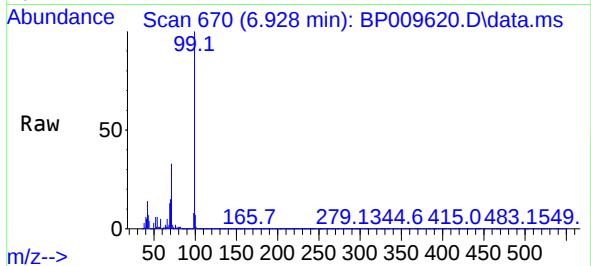
Tgt Ion:112 Resp: 1329473
Ion Ratio Lower Upper
112 100
64 52.3 45.0 67.4
63 27.0 23.0 34.6





#7
Phenol-d6
Concen: 101.692 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

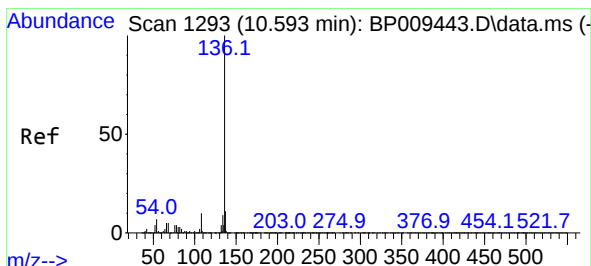
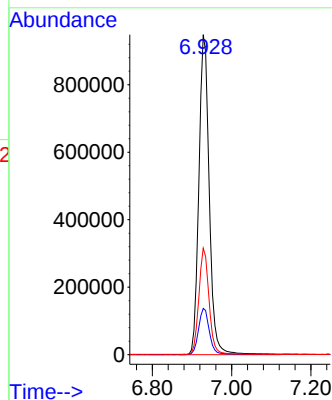
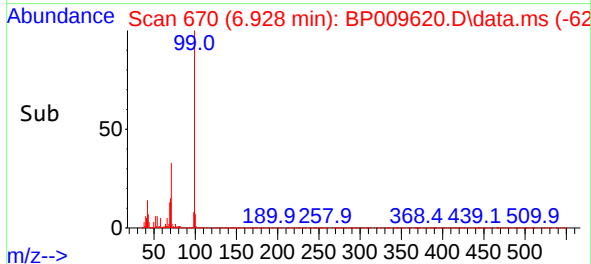
Instrument :
BNA_P
ClientSampleId :
337



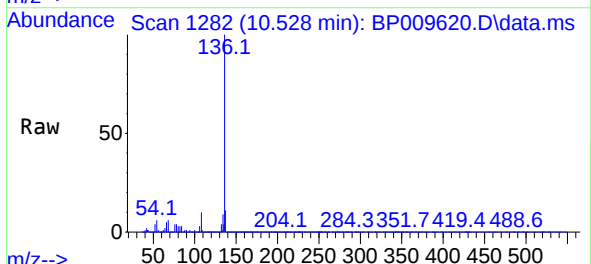
Tgt Ion: 99 Resp: 171816
Ion Ratio Lower Upper
99 100
42 14.5 12.8 19.2
71 33.3 26.3 39.5

Manual Integrations
APPROVED

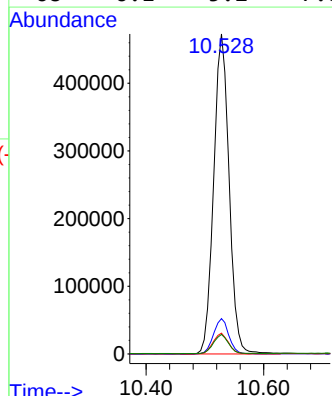
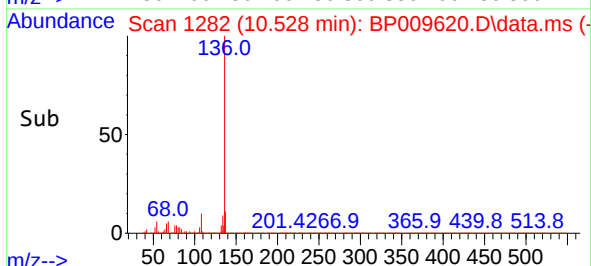
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

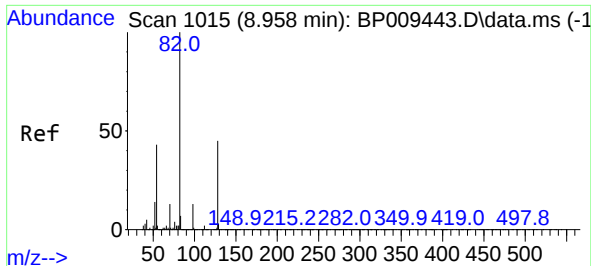


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59



Tgt Ion:136 Resp: 861245
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 6.5 5.8 8.8
68 6.1 5.2 7.8





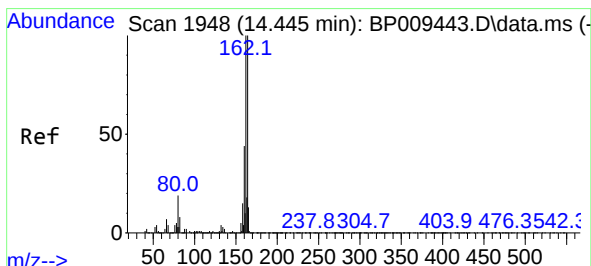
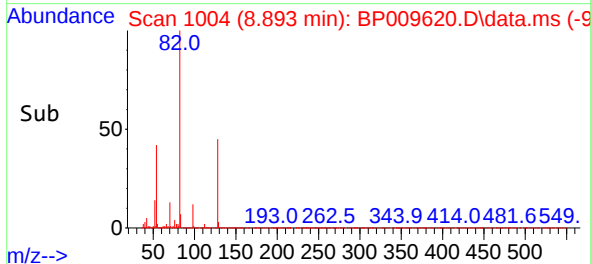
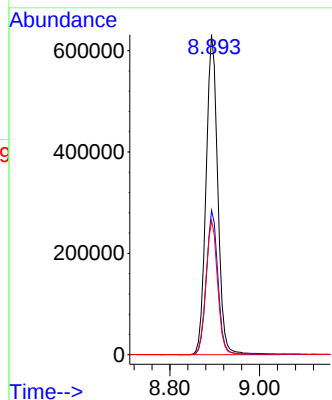
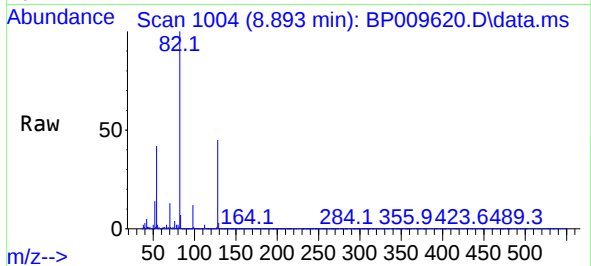
#23
Nitrobenzene-d5
Concen: 70.548 ng
RT: 8.893 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Instrument :
BNA_P
ClientSampleId :
337

Tgt Ion: 82 Resp: 114336
Ion Ratio Lower Upper
82 100
128 45.1 34.2 51.4
54 41.9 34.7 52.1

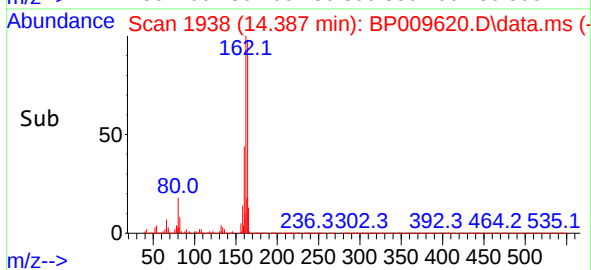
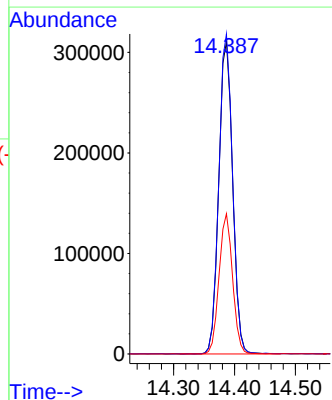
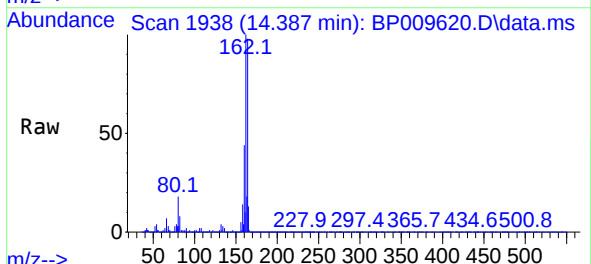
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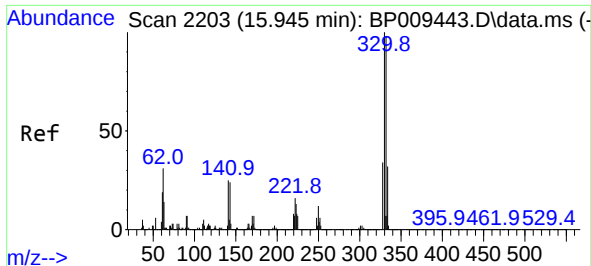
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Tgt Ion:164 Resp: 489899
Ion Ratio Lower Upper
164 100
162 102.5 79.1 118.7
160 44.9 34.9 52.3





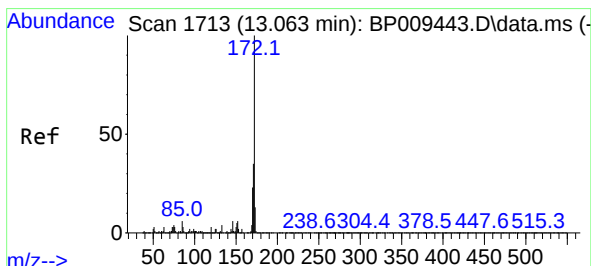
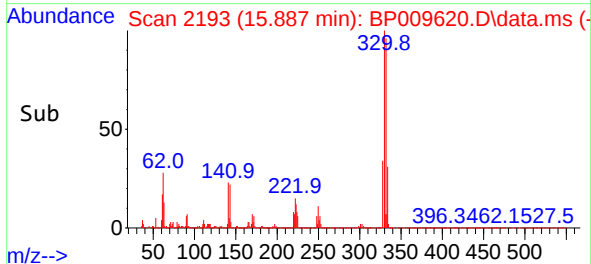
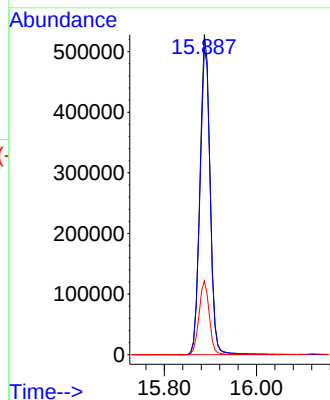
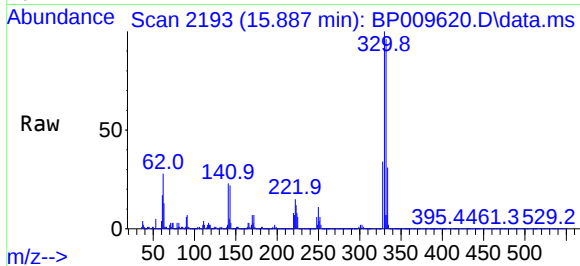
#42
2,4,6-Tribromophenol
Concen: 99.533 ng
RT: 15.887 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Instrument :
BNA_P
ClientSampleId :
337

Tgt Ion:330 Resp: 80464
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.6
141 23.0 27.6 41.4

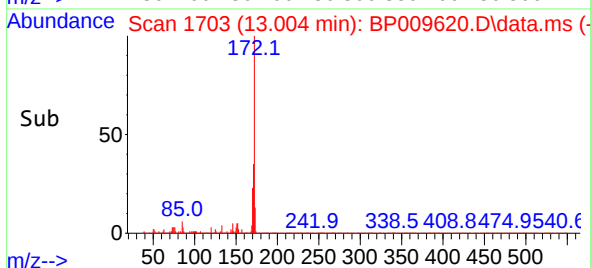
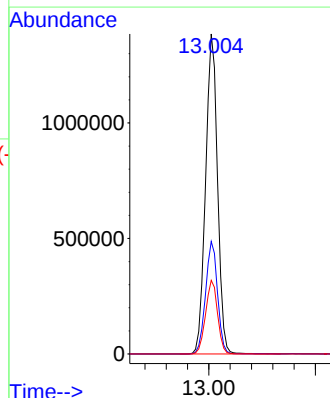
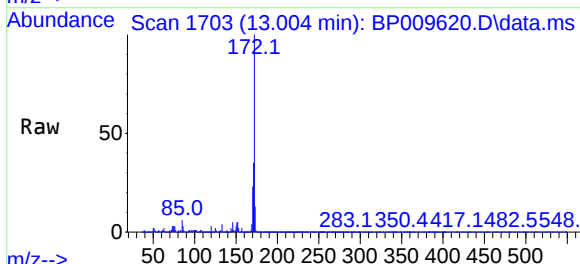
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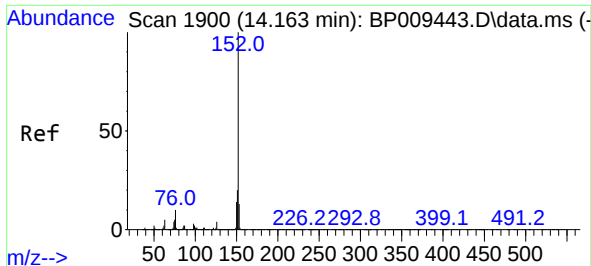
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#45
2-Fluorobiphenyl
Concen: 61.045 ng
RT: 13.004 min Scan# 1703
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

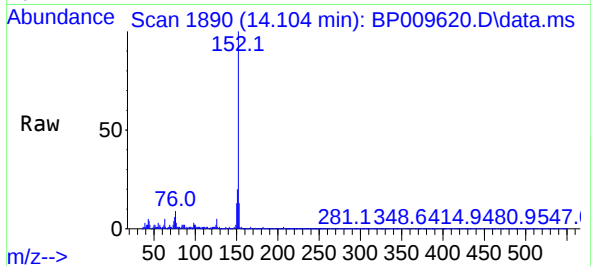
Tgt Ion:172 Resp: 2157267
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.0 18.6 27.8





#49
Acenaphthylene
Concen: 2.284 ng
RT: 14.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

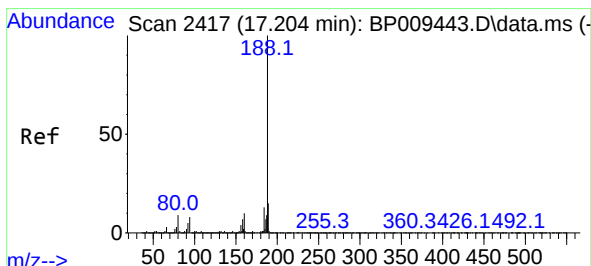
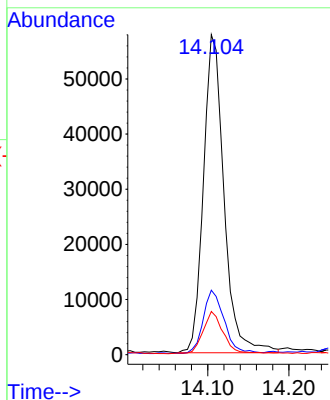
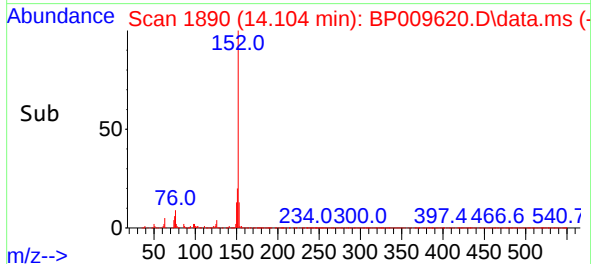
Instrument :
BNA_P
ClientSampleId :
337



Tgt Ion:152 Resp: 10144
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 13.5 10.7 16.1

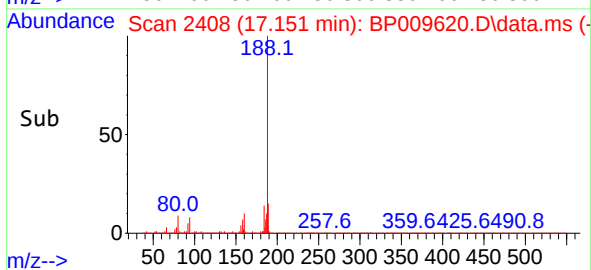
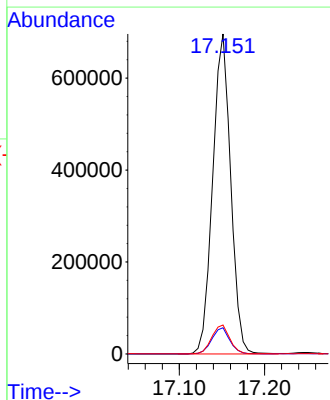
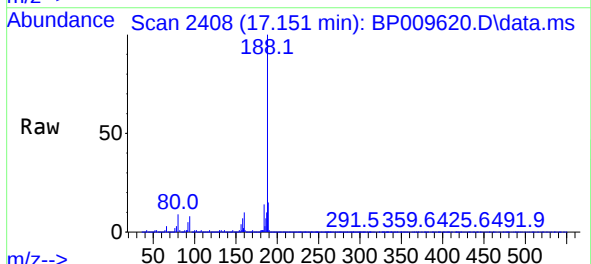
Manual Integrations
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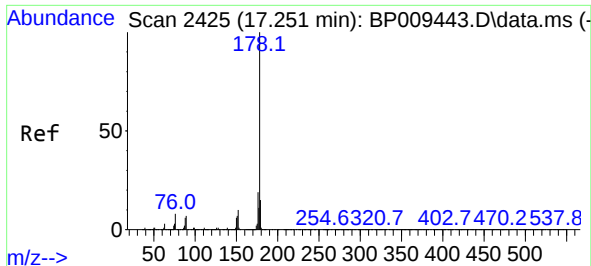
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Tgt Ion:188 Resp: 1019542
Ion Ratio Lower Upper
188 100
94 8.2 7.9 11.9
80 9.1 8.8 13.2





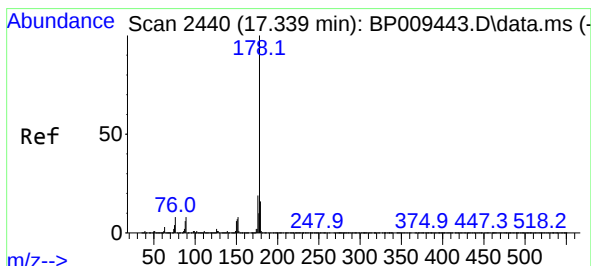
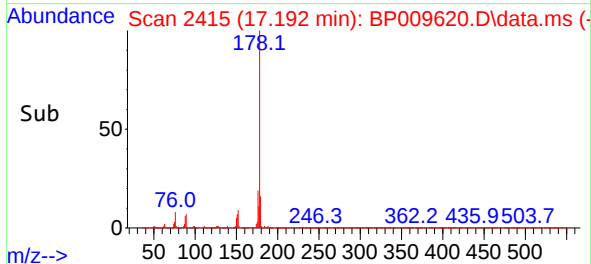
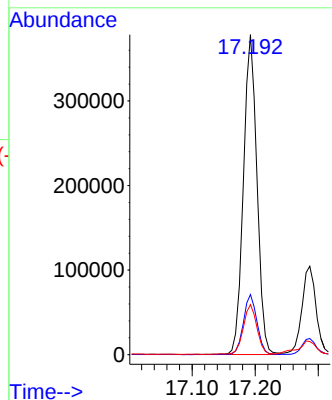
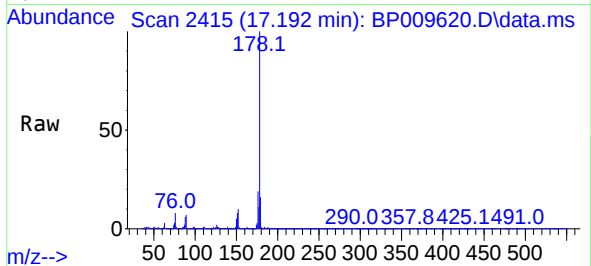
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Phenanthrene
Concen: 10.318 ng
RT: 17.192 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Instrument :
BNA_P
ClientSampleId :
337

Tgt Ion:178 Resp: 563124
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.6 12.3 18.5

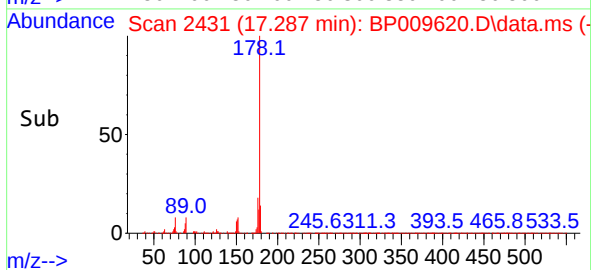
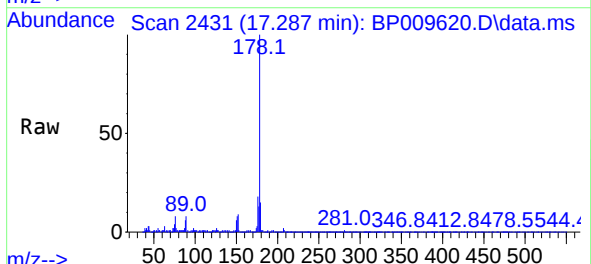
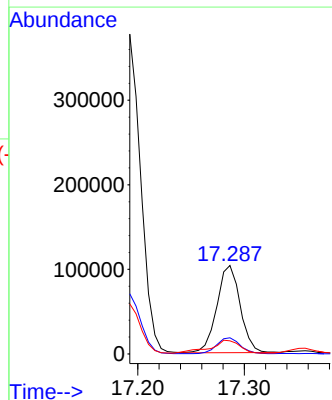
Manual Integrations
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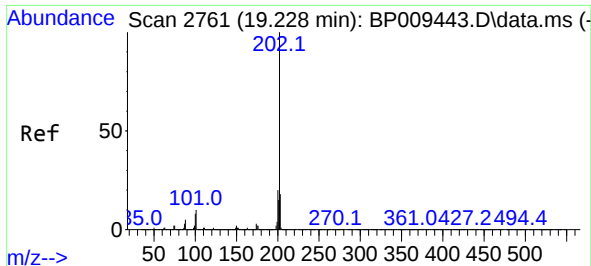
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#72
Anthracene
Concen: 2.907 ng
RT: 17.287 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Tgt Ion:178 Resp: 156657
Ion Ratio Lower Upper
178 100
176 18.3 14.8 22.2
179 14.8 12.2 18.4





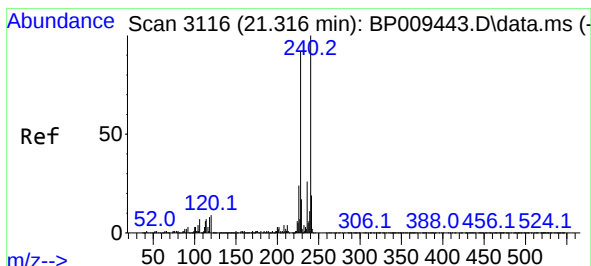
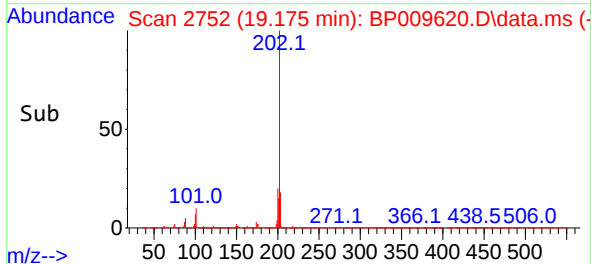
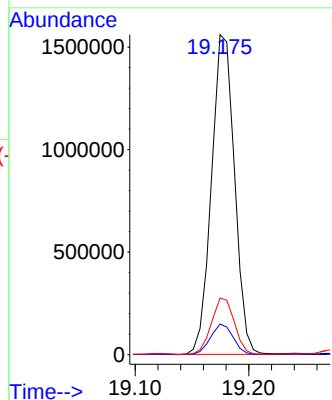
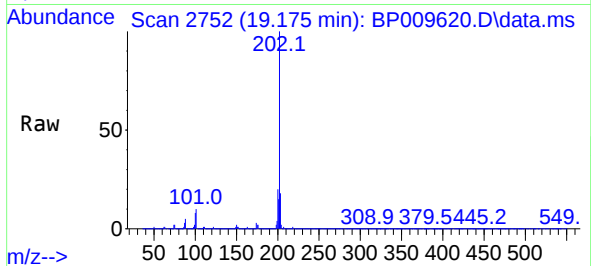
#75
Fluoranthene
Concen: 33.329 ng
RT: 19.175 min Scan# 2108
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Instrument :
BNA_P
ClientSampleId :
337

Tgt Ion:202 Resp: 2202130
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.5
203 17.7 0.0 37.8

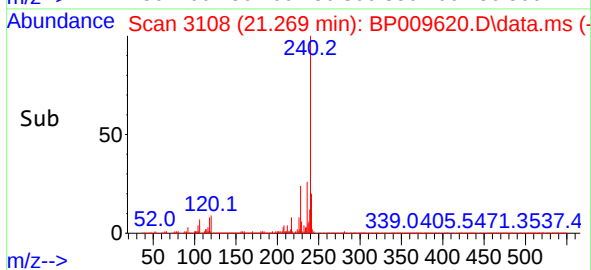
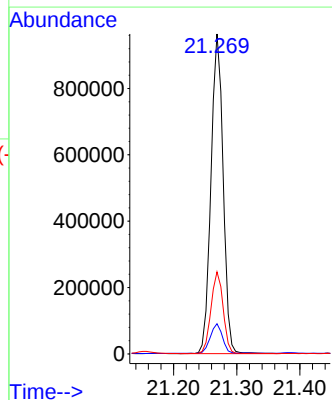
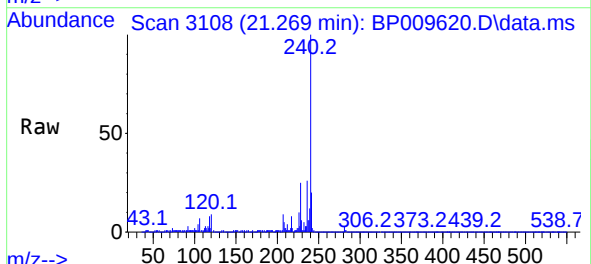
Manual Integrations
APPROVED

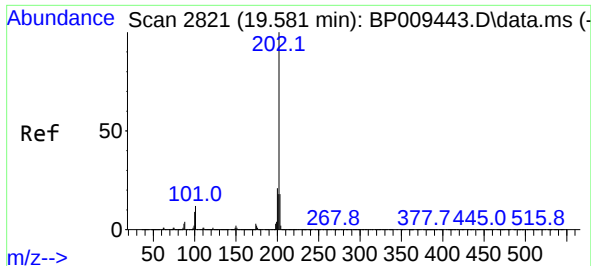
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.269 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

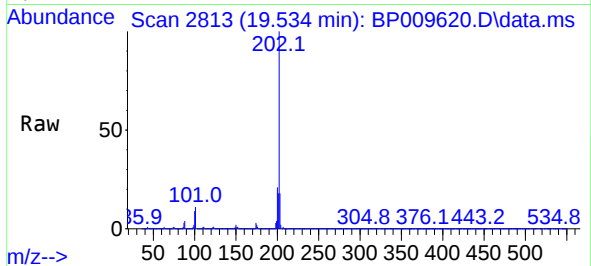
Tgt Ion:240 Resp: 1283258
Ion Ratio Lower Upper
240 100
120 9.5 9.0 13.4
236 25.6 20.6 30.8





#78
Pyrene
Concen: 24.015 ng
RT: 19.534 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

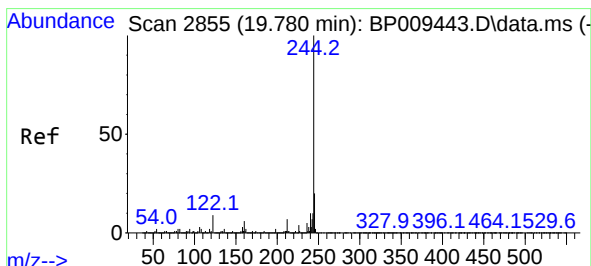
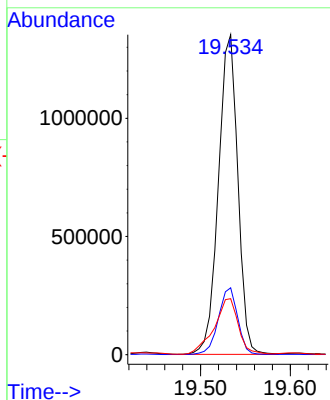
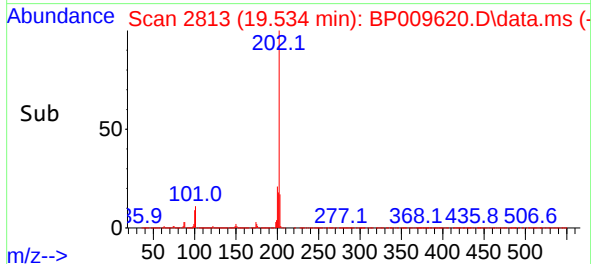
Instrument :
BNA_P
ClientSampleId :
337



Tgt Ion:202 Resp: 2030760
Ion Ratio Lower Upper
202 100
200 20.9 16.8 25.2
203 17.5 14.2 21.4

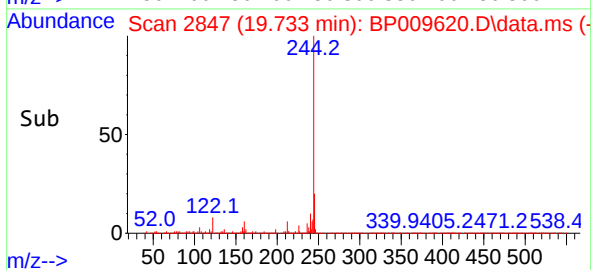
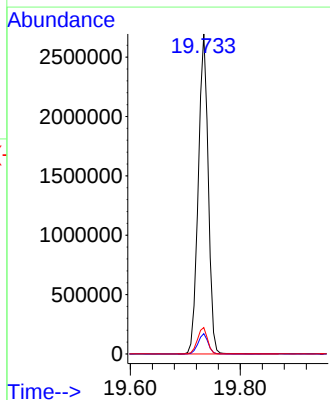
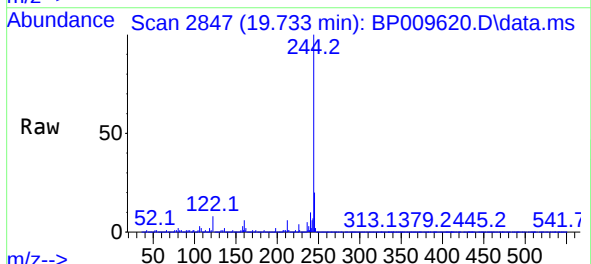
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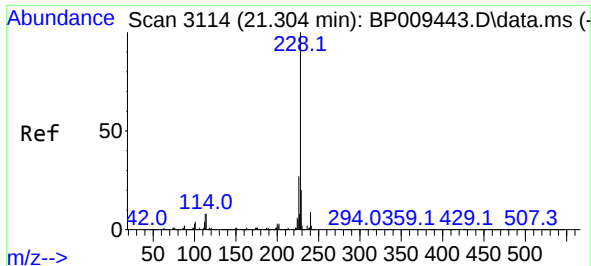
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#79
Terphenyl-d14
Concen: 47.368 ng
RT: 19.733 min Scan# 2847
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

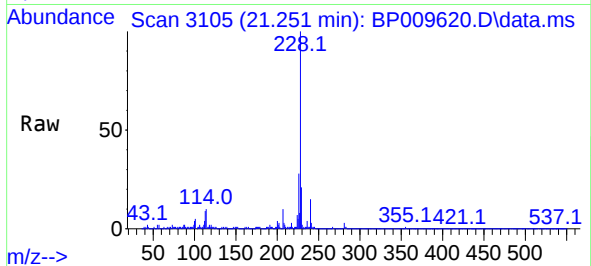
Tgt Ion:244 Resp: 3386597
Ion Ratio Lower Upper
244 100
212 6.4 5.8 8.6
122 8.2 8.3 12.5





#81
Benzo(a)anthracene
Concen: 14.541 ng
RT: 21.251 min Scan# 3114
Delta R.T. -0.012 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

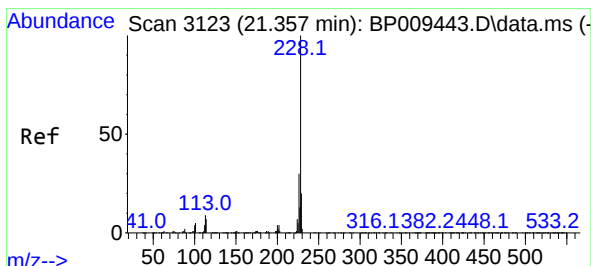
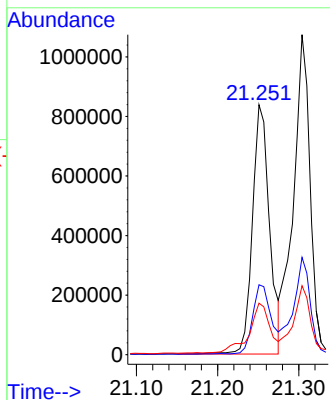
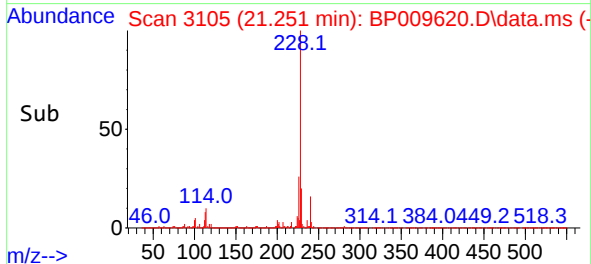
Instrument :
BNA_P
ClientSampleId :
337



Tgt Ion:228 Resp: 122595
Ion Ratio Lower Upper
228 100
226 28.0 22.0 33.0
229 20.6 16.1 24.1

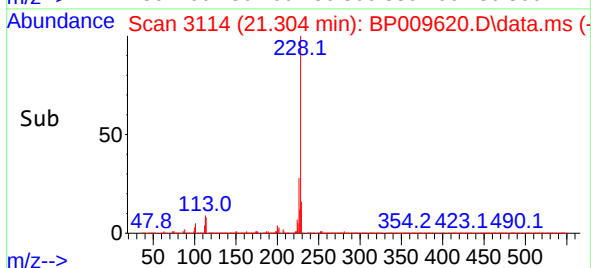
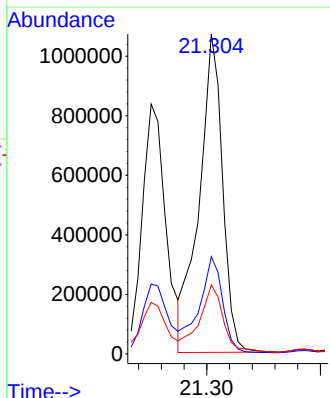
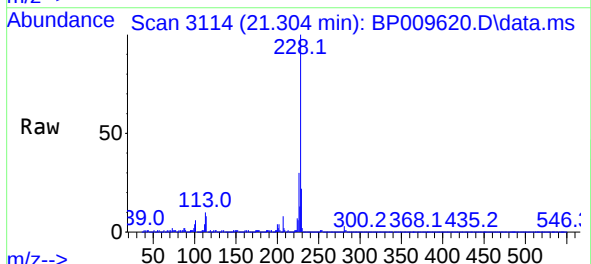
Manual Integrations
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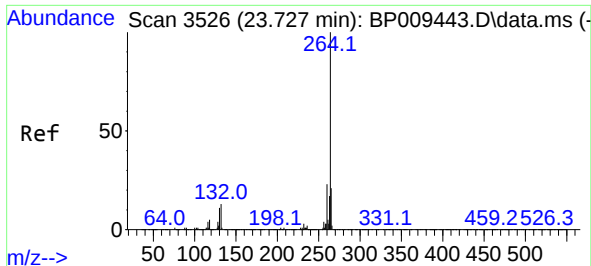
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#83
Chrysene
Concen: 19.123 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

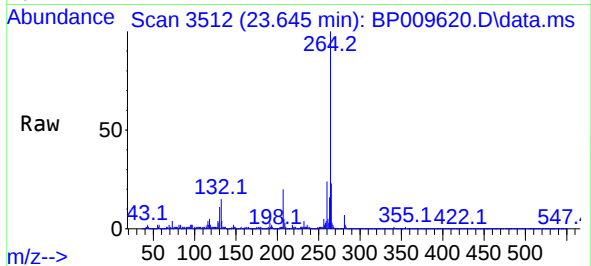
Tgt Ion:228 Resp: 1526670
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 21.6 16.1 24.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.645 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BP009620.D
 Acq: 30 Mar 2022 15:59

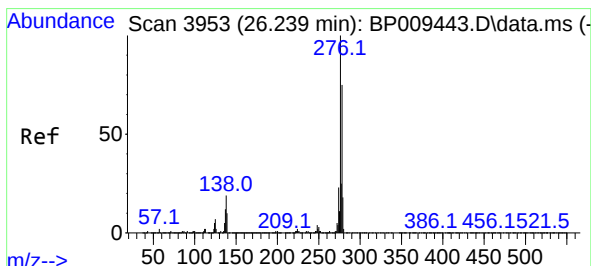
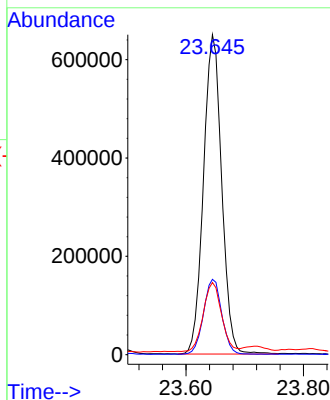
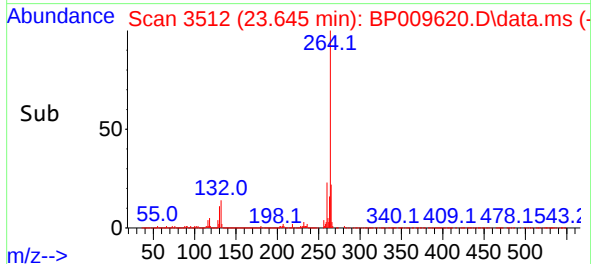
Instrument :
 BNA_P
 ClientSampleId :
 337



Tgt Ion:264 Resp: 1396688
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.4 29.0
 265 22.5 17.2 25.8

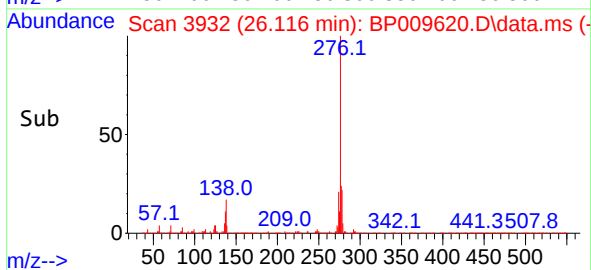
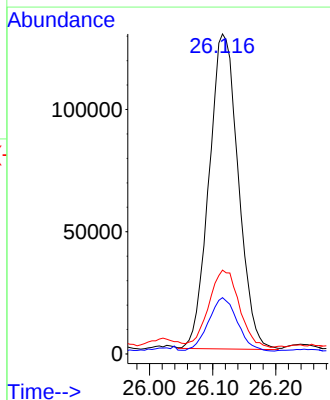
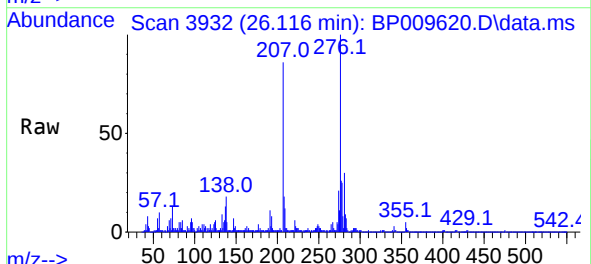
Manual Integrations
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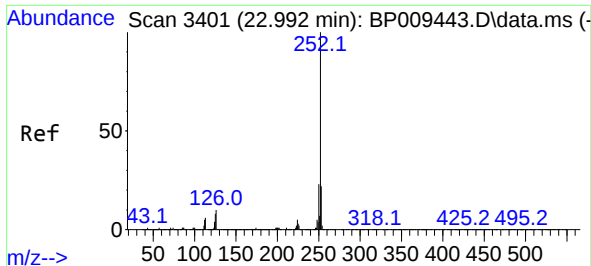
Reviewed By :Christian Giraldo 03/31/2022
 Supervised By :Jagrut Upadhyay 03/31/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.911 ng
 RT: 26.116 min Scan# 3932
 Delta R.T. -0.023 min
 Lab File: BP009620.D
 Acq: 30 Mar 2022 15:59

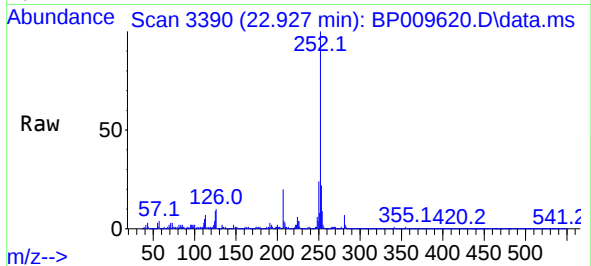
Tgt Ion:276 Resp: 414458
 Ion Ratio Lower Upper
 276 100
 138 16.8 20.5 30.7#
 277 25.4 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 17.389 ng
RT: 22.927 min Scan# 3390
Delta R.T. 0.000 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

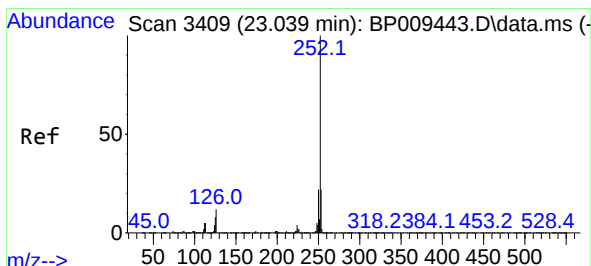
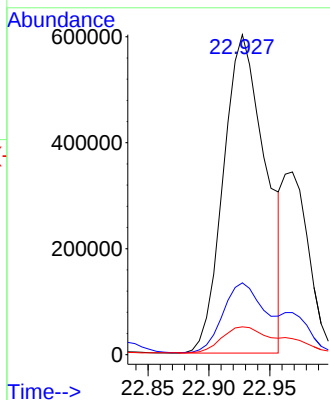
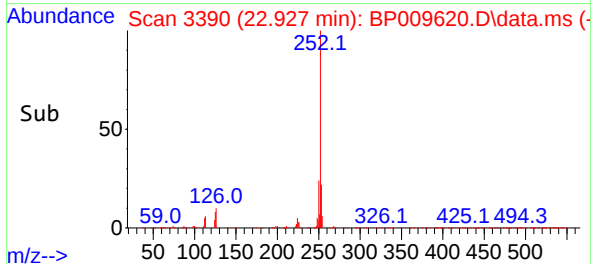
Instrument :
BNA_P
ClientSampleId :
337



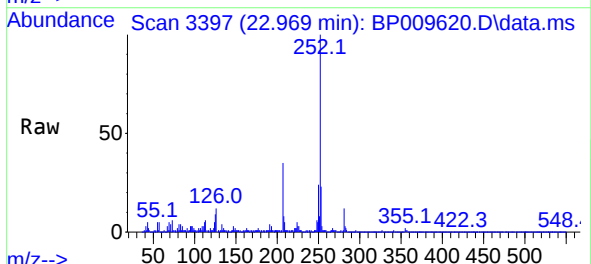
Tgt Ion:252 Resp: 1449878
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 8.7 8.1 12.1

Manual Integrations
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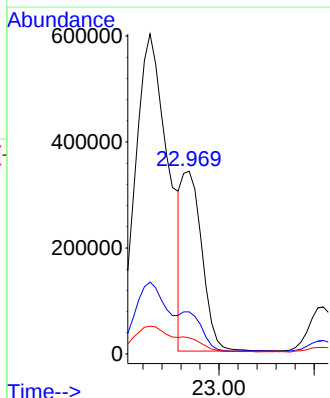
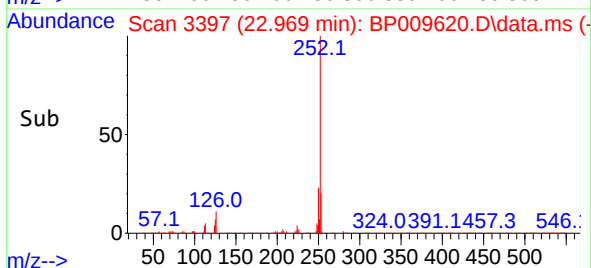
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

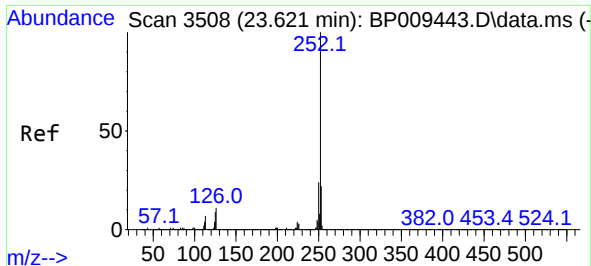


#89
Benzo(k)fluoranthene
Concen: 6.129 ng m
RT: 22.969 min Scan# 3397
Delta R.T. -0.012 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59



Tgt Ion:252 Resp: 500347
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 8.8 8.3 12.5





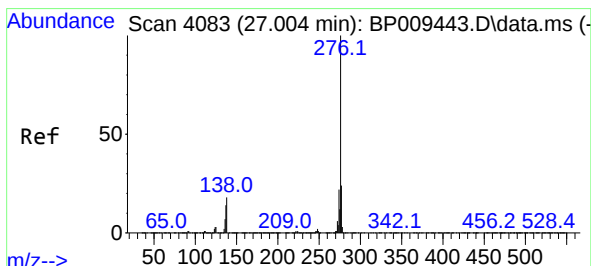
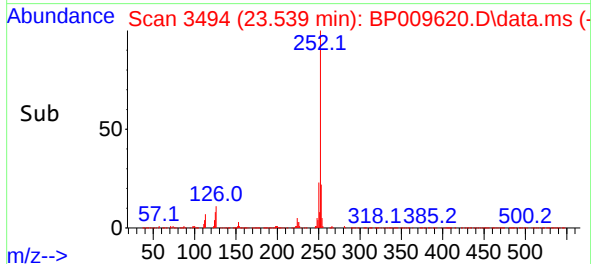
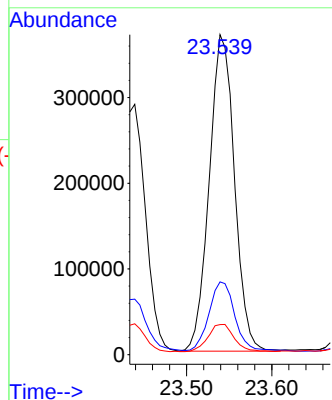
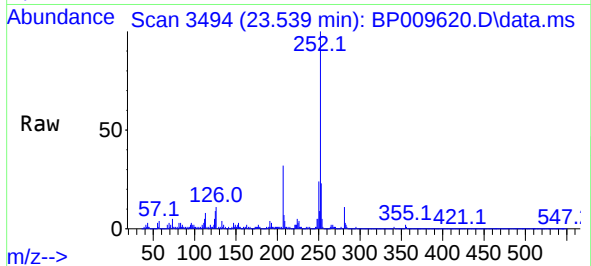
#90
Benzo(a)pyrene
Concen: 10.662 ng
RT: 23.539 min Scan# 34
Delta R.T. -0.012 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Instrument :
BNA_P
ClientSampleId :
337

Tgt Ion:252 Resp: 76062
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 9.4 9.3 13.9

Manual Integrations
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Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#92
Benzo(g,h,i)perylene
Concen: 4.380 ng
RT: 26.880 min Scan# 4062
Delta R.T. -0.017 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Tgt Ion:276 Resp: 380488
Ion Ratio Lower Upper
276 100
277 25.6 19.2 28.8
138 16.9 18.0 27.0#

