

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
 Data File : BP019922.D
 Acq On : 28 Feb 2024 18:19
 Operator : MA/JU
 Sample : P1537-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/29/2024
 Supervised By :mohammad ahmed 03/01/2024

Quant Time: Feb 29 00:34:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 02:05:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	121248	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	429664	20.000	ng	-0.01
39) Acenaphthene-d10	14.534	164	243786	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	470125	20.000	ng	0.00
76) Chrysene-d12	21.404	240	506025	20.000	ng	0.00
86) Perylene-d12	23.833	264	588489	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.470	112	727145	98.436	ng	0.00
7) Phenol-d6	7.069	99	939627	85.435	ng	0.00
23) Nitrobenzene-d5	9.063	82	650960	61.164	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	373163	89.272	ng	-0.01
45) 2-Fluorobiphenyl	13.163	172	1354505	75.069	ng	0.00
79) Terphenyl-d14	19.875	244	1823748	56.805	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.257	152	50617	2.306	ng	99
71) Phenanthrene	17.339	178	442372	17.629	ng	99
72) Anthracene	17.434	178	86940	3.394	ng	98
73) Carbazole	17.716	167	45905	2.023	ng	97
75) Fluoranthene	19.316	202	857094	26.318	ng	98
78) Pyrene	19.669	202	734098	21.115	ng	99
81) Benzo(a)anthracene	21.386	228	398744	11.101	ng	95
83) Chrysene	21.439	228	415470	12.344	ng	97
87) Indeno(1,2,3-cd)pyrene	26.374	276	266589	6.435	ng	97
88) Benzo(b)fluoranthene	23.092	252	571270	15.834	ng	96
89) Benzo(k)fluoranthene	23.139	252	154775m	4.374	ng	
90) Benzo(a)pyrene	23.727	252	362751	10.521	ng	96
92) Benzo(g,h,i)perylene	27.157	276	275417	8.192	ng	97

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

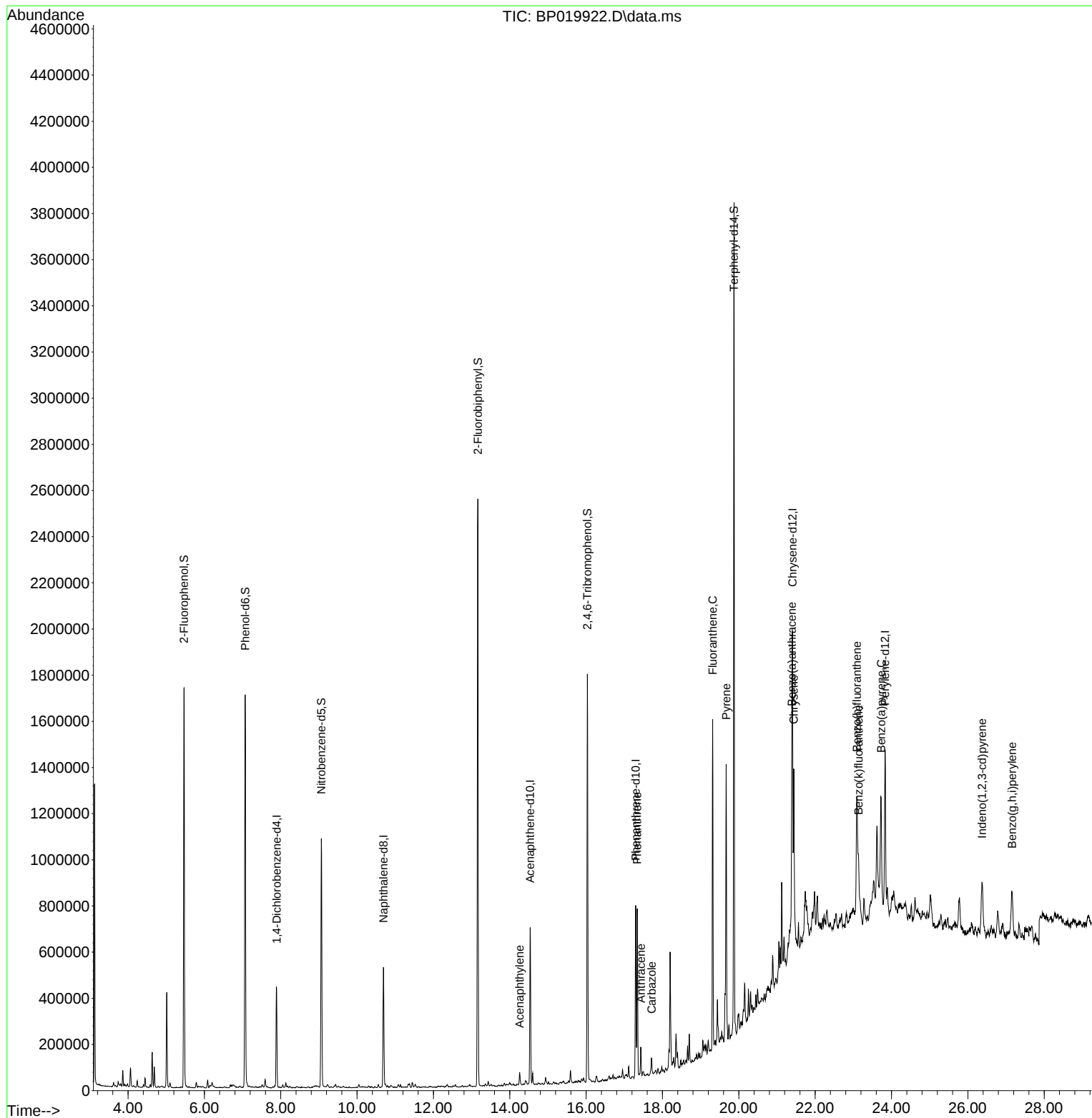
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019922.D
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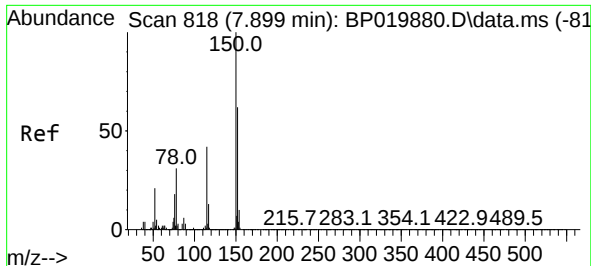
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Quant Time: Feb 29 00:34:06 2024
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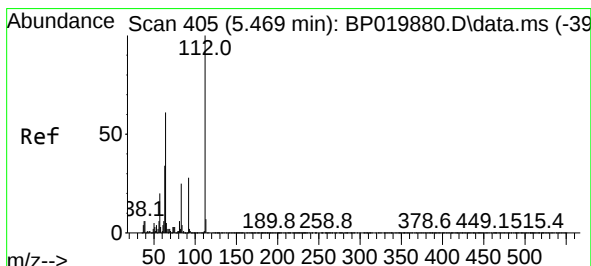
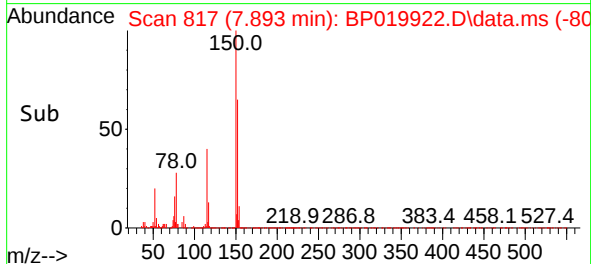
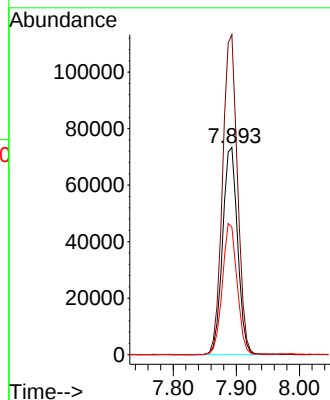
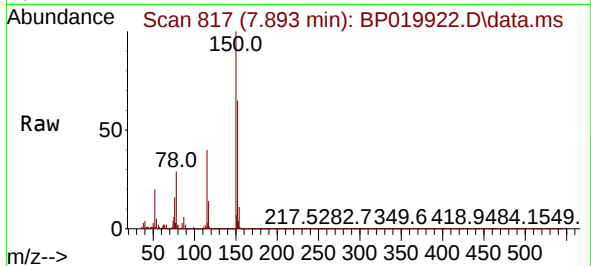
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 818
Delta R.T. -0.006 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

Instrument :
BNA_P
ClientSampleId :
3

Tgt Ion:152 Resp: 12124
Ion Ratio Lower Upper
152 100
150 154.5 128.6 192.8
115 61.6 53.4 80.2

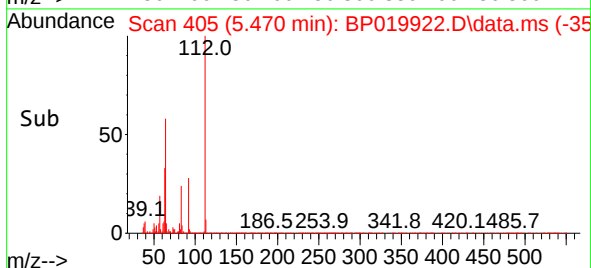
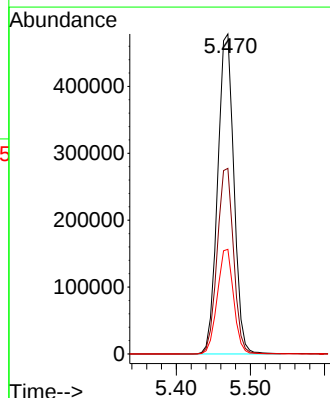
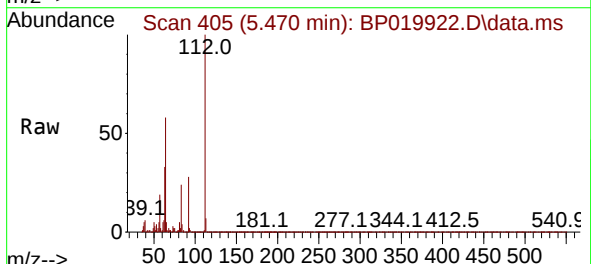
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#5
2-Fluorophenol
Concen: 98.436 ng
RT: 5.470 min Scan# 405
Delta R.T. 0.000 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

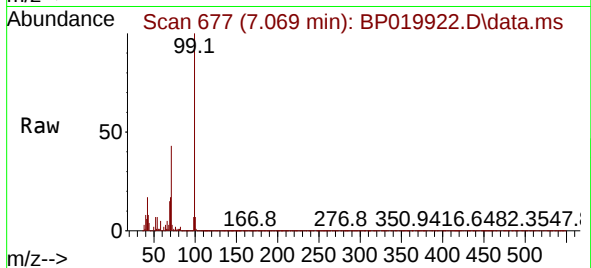
Tgt Ion:112 Resp: 727145
Ion Ratio Lower Upper
112 100
64 58.0 49.0 73.6
63 32.7 27.6 41.4





#7
Phenol-d6
Concen: 85.435 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

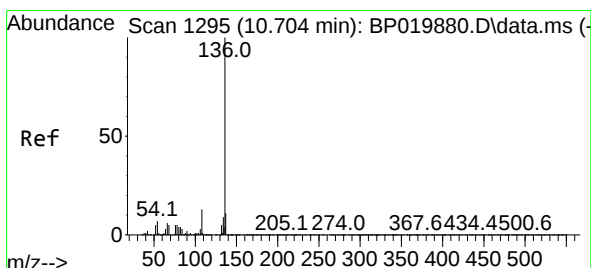
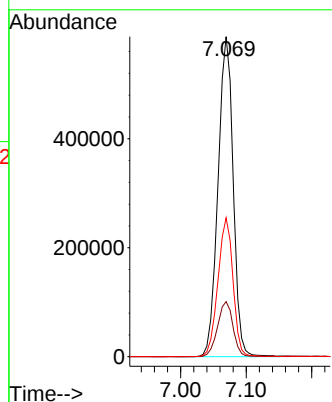
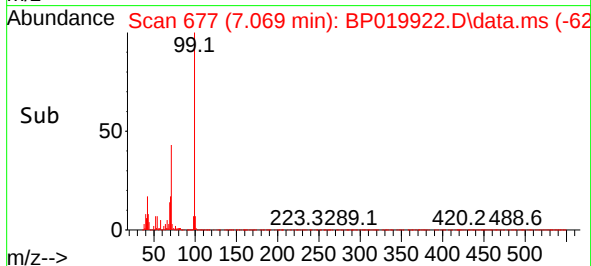
Instrument :
BNA_P
ClientSampleId :
3



Tgt Ion: 99 Resp: 93962
Ion Ratio Lower Upper
99 100
42 17.2 13.8 20.8
71 43.4 34.5 51.7

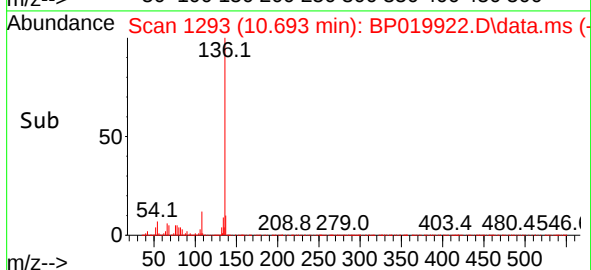
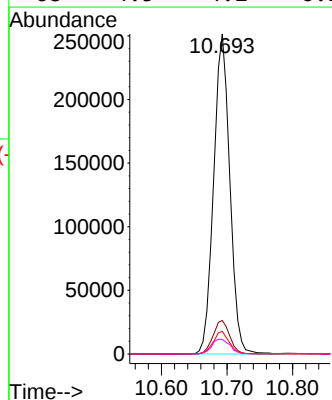
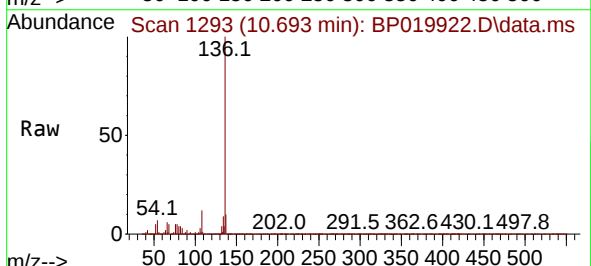
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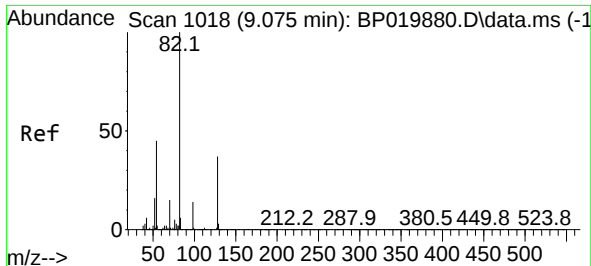
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

Tgt Ion:136 Resp: 429664
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 7.1 6.0 9.0
68 4.5 4.2 6.2





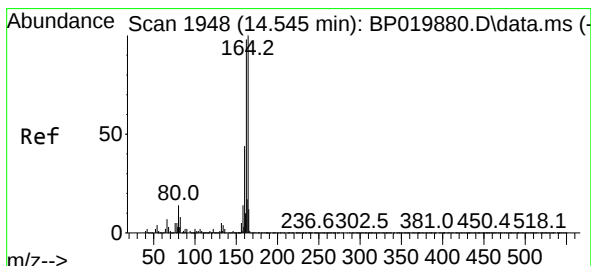
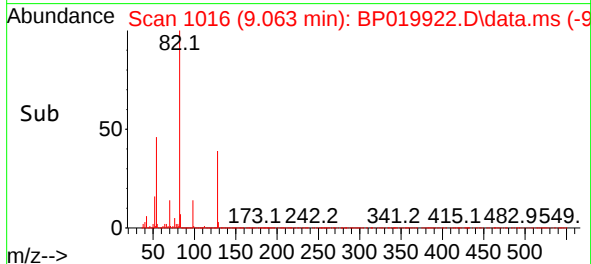
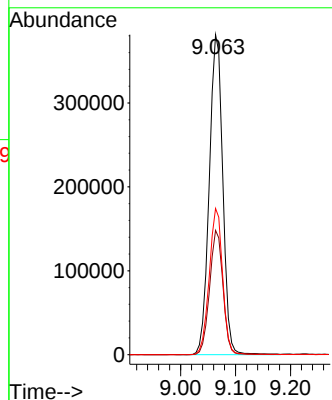
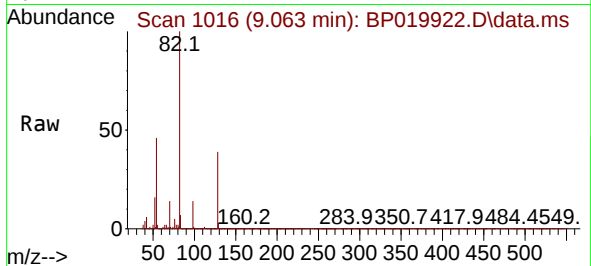
#23
Nitrobenzene-d5
Concen: 61.164 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

Instrument :
BNA_P
ClientSampleId :
3

Tgt Ion: 82 Resp: 650960
Ion Ratio Lower Upper
82 100
128 38.9 29.6 44.4
54 45.7 36.3 54.5

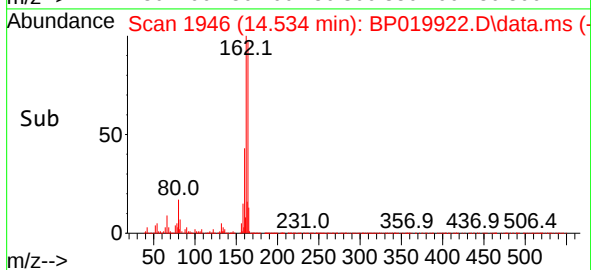
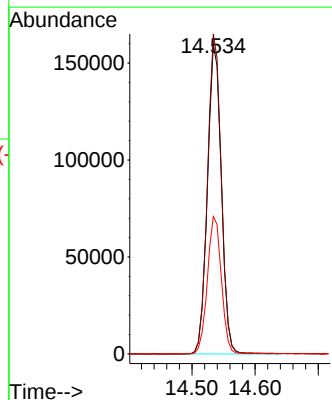
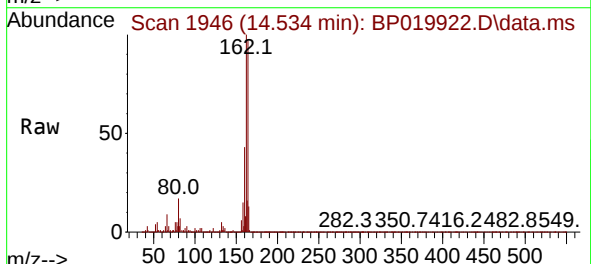
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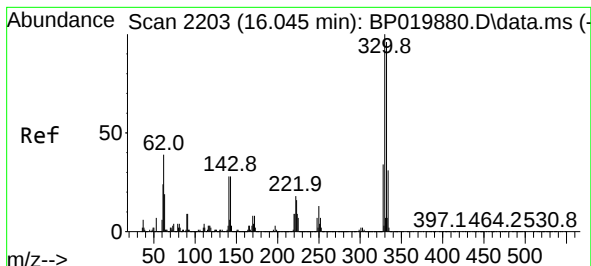
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.534 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

Tgt Ion:164 Resp: 243786
Ion Ratio Lower Upper
164 100
162 103.3 78.1 117.1
160 44.4 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 89.272 ng

RT: 16.034 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

Instrument :

BNA_P

ClientSampleId :

3

Tgt Ion:330 Resp: 37316

Ion Ratio Lower Upper

330 100

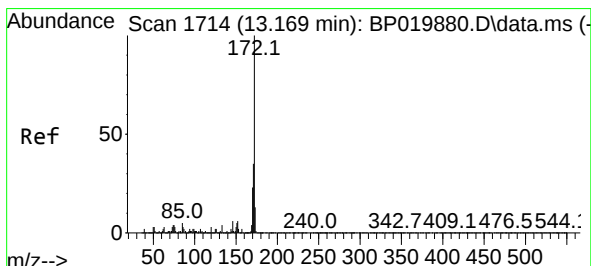
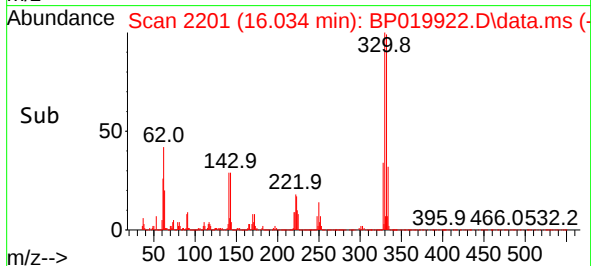
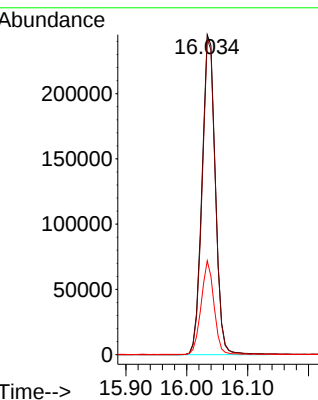
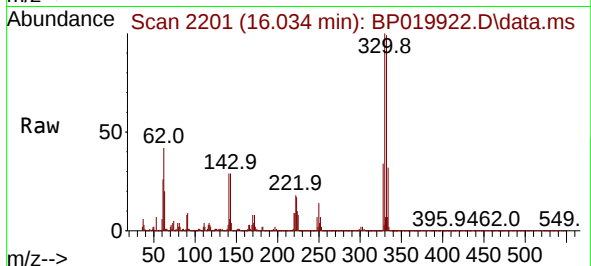
332 97.3 77.4 116.2

141 27.9 24.6 37.0

Manual Integrations

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#45

2-Fluorobiphenyl

Concen: 75.069 ng

RT: 13.163 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

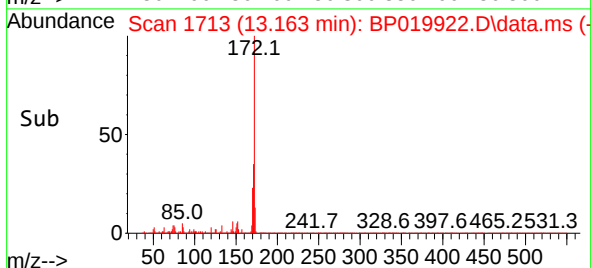
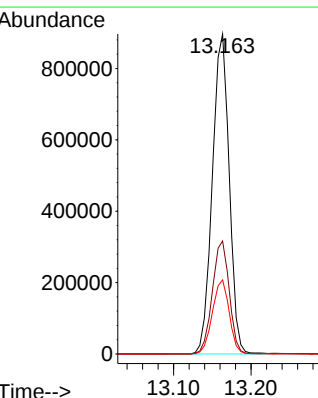
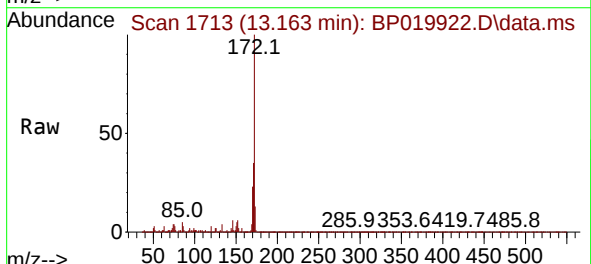
Tgt Ion:172 Resp: 1354505

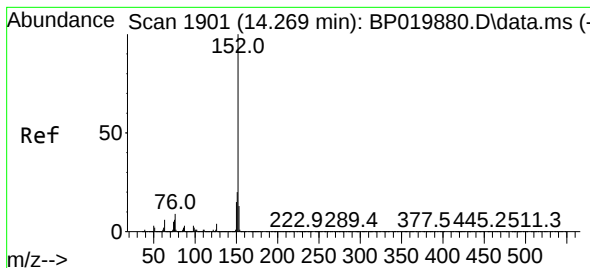
Ion Ratio Lower Upper

172 100

171 35.3 27.8 41.6

170 23.1 18.4 27.6





#49

Acenaphthylene

Concen: 2.306 ng

RT: 14.257 min Scan# 1899

Delta R.T. -0.012 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

Instrument :

BNA_P

ClientSampleId :

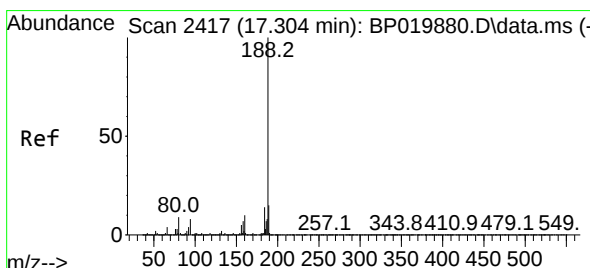
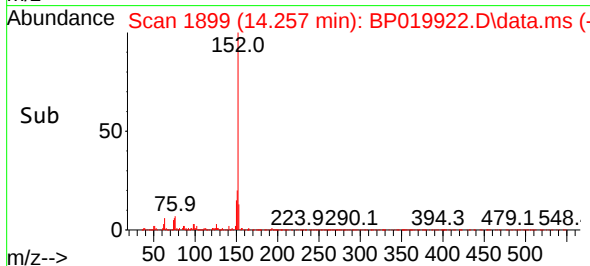
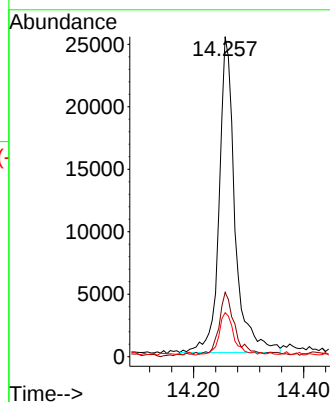
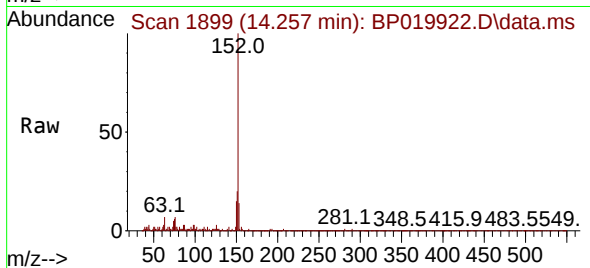
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Tgt Ion:	152	Resp:	5061
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.9	23.9
153	13.7	10.4	15.6

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

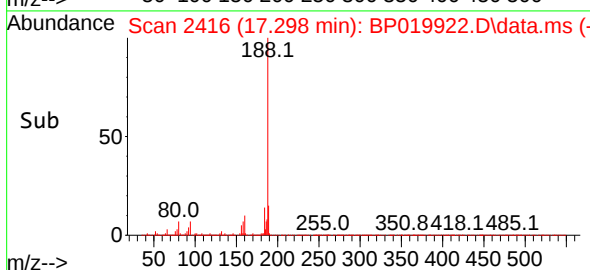
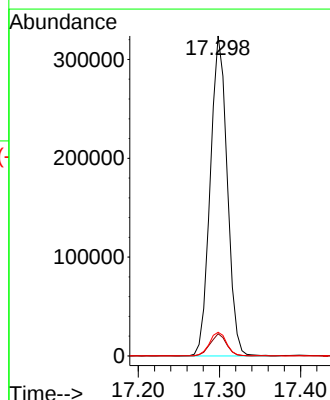
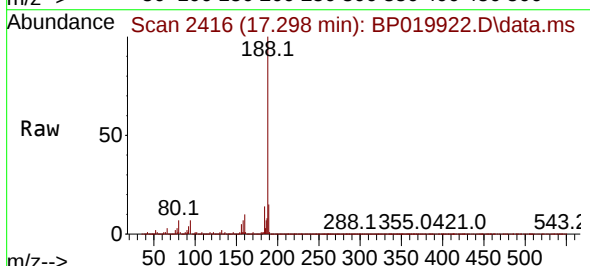
RT: 17.298 min Scan# 2416

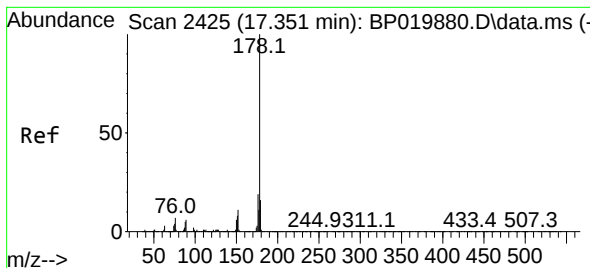
Delta R.T. -0.006 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

Tgt Ion:	188	Resp:	470125
Ion Ratio	Lower	Upper	
188	100		
94	7.0	6.2	9.4
80	7.4	7.0	10.4





#71

Phenanthrene

Concen: 17.629 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.012 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

Instrument :

BNA_P

ClientSampleId :

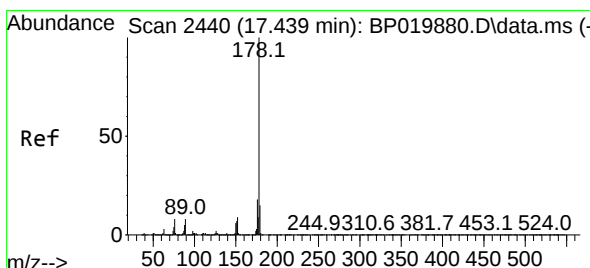
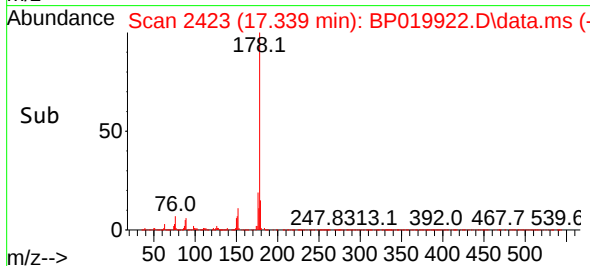
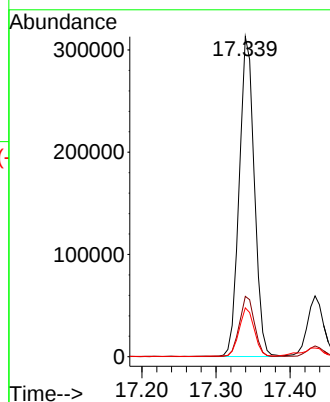
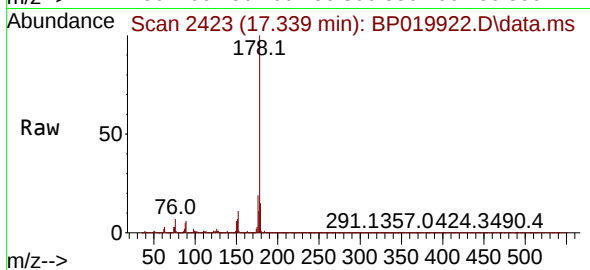
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Tgt Ion:178 Resp: 442372
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.2 22.8
 179 15.3 12.5 18.7

Manual Integrations

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#72

Anthracene

Concen: 3.394 ng

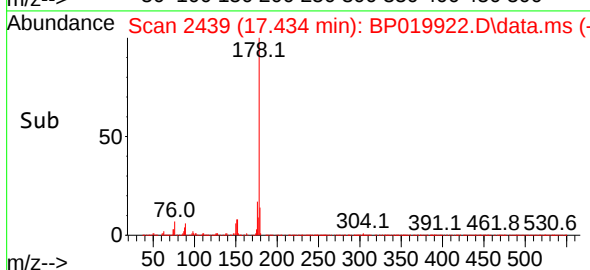
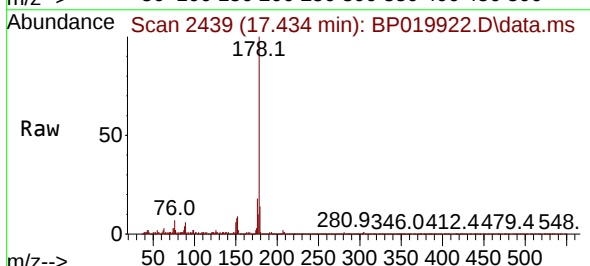
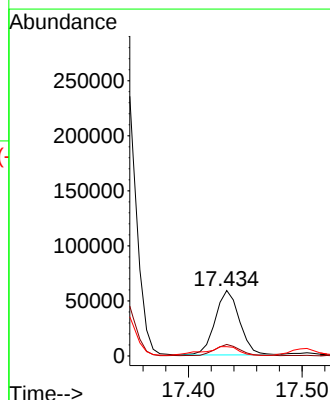
RT: 17.434 min Scan# 2439

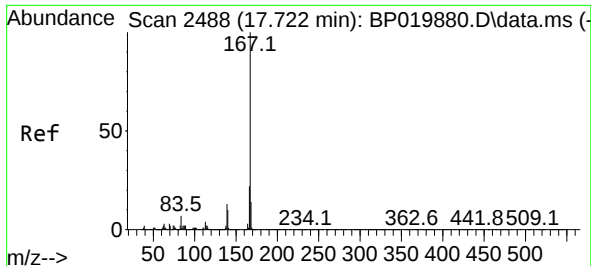
Delta R.T. -0.006 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

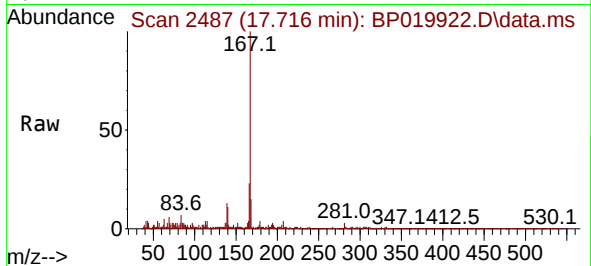
Tgt Ion:178 Resp: 86940
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.7 22.1
 179 14.3 12.2 18.4





#73
 Carbazole
 Concen: 2.023 ng
 RT: 17.716 min Scan# 2488
 Delta R.T. -0.006 min
 Lab File: BP019922.D
 Acq: 28 Feb 2024 18:19

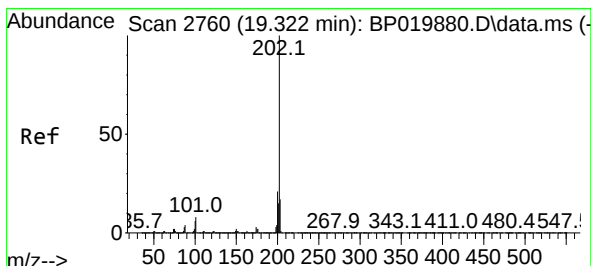
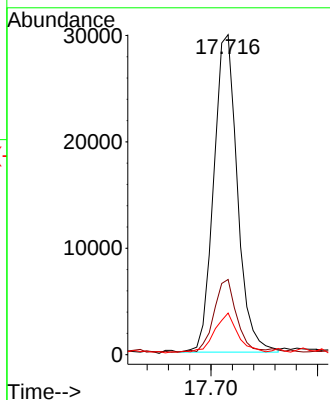
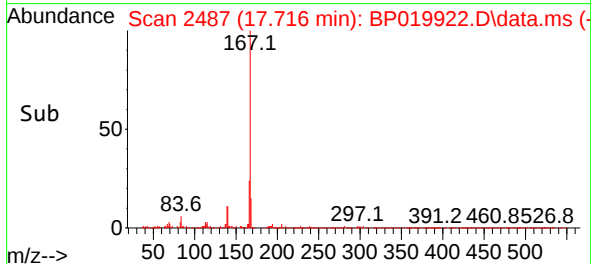
Instrument :
 BNA_P
 ClientSampleId :
 3



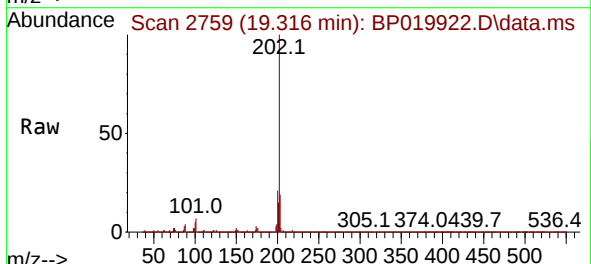
Tgt Ion:167 Resp: 4590
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.3 25.9
 139 13.0 10.5 15.7

Manual Integrations
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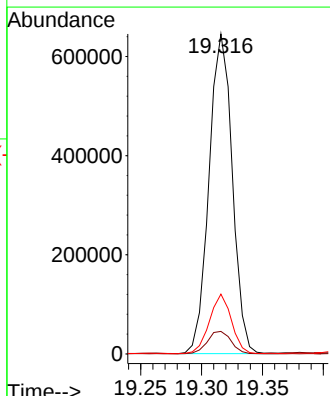
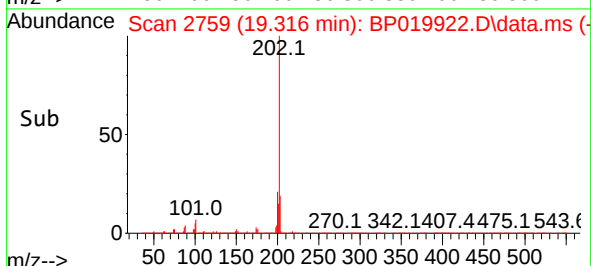
Reviewed By :Jagrut Upadhyay 02/29/2024
 Supervised By :mohammad ahmed 03/01/2024

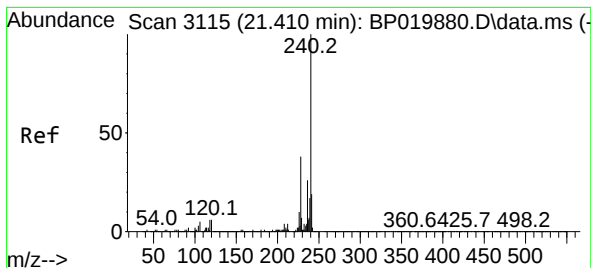


#75
 Fluoranthene
 Concen: 26.318 ng
 RT: 19.316 min Scan# 2759
 Delta R.T. -0.006 min
 Lab File: BP019922.D
 Acq: 28 Feb 2024 18:19



Tgt Ion:202 Resp: 857094
 Ion Ratio Lower Upper
 202 100
 101 7.1 0.0 27.7
 203 18.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.404 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

Instrument :

BNA_P

ClientSampleId :

3

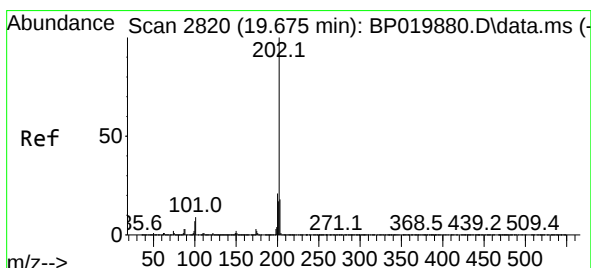
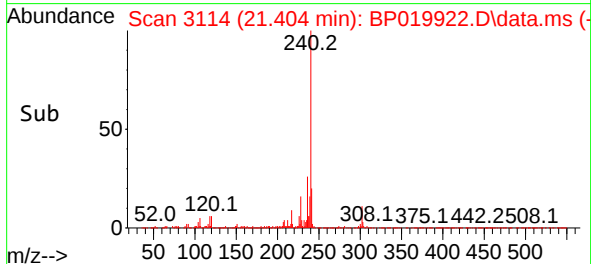
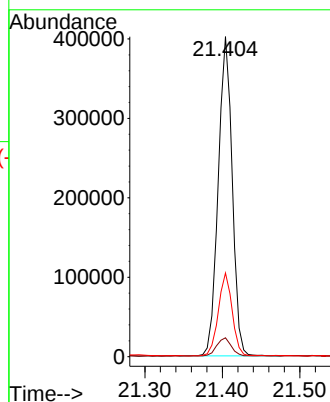
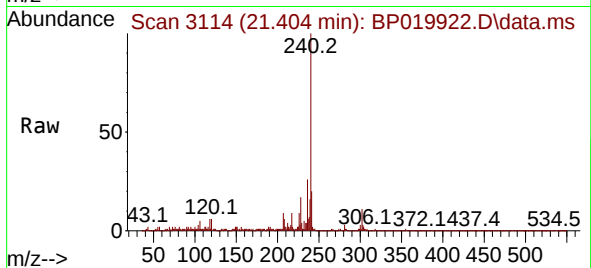
Tgt Ion:240 Resp: 506029

Ion	Ratio	Lower	Upper
240	100		
120	5.9	5.1	7.7
236	26.2	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#78

Pyrene

Concen: 21.115 ng

RT: 19.669 min Scan# 2819

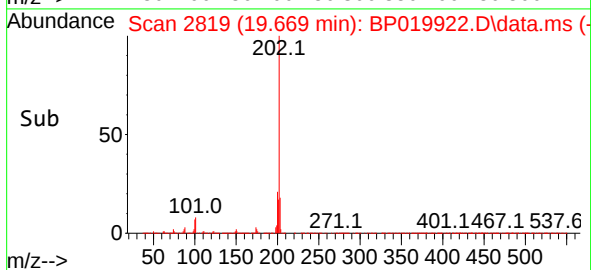
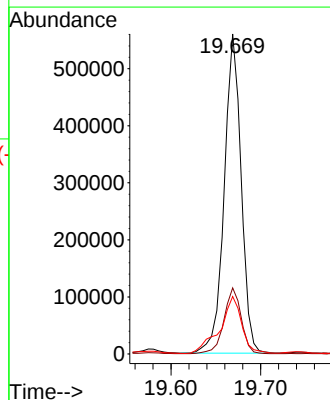
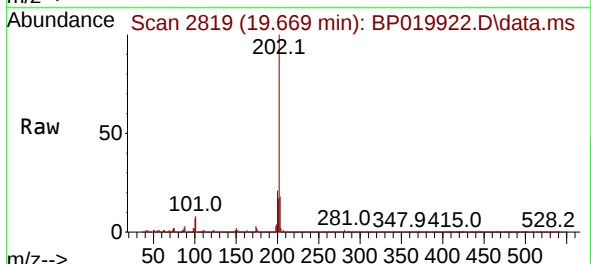
Delta R.T. -0.006 min

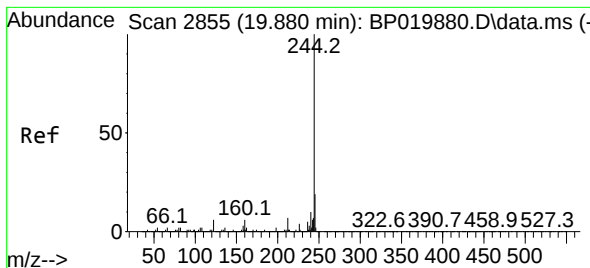
Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

Tgt Ion:202 Resp: 734098

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.7	25.1
203	18.0	14.2	21.2





#79

Terphenyl-d14

Concen: 56.805 ng

RT: 19.875 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

Instrument :

BNA_P

ClientSampleId :

3

Tgt Ion:244 Resp: 182374

Ion Ratio Lower Upper

244 100

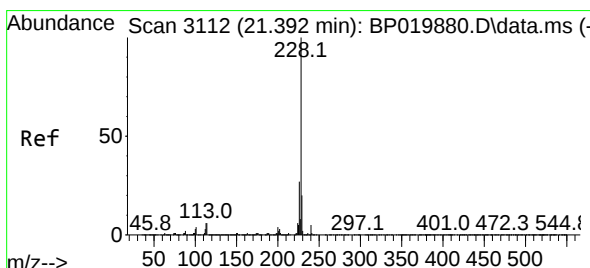
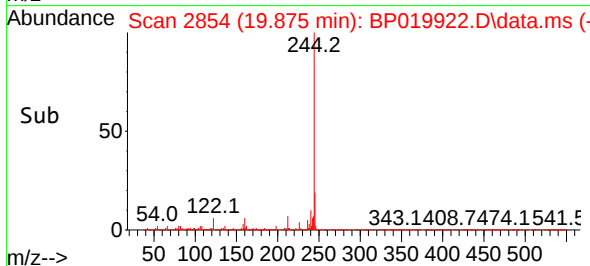
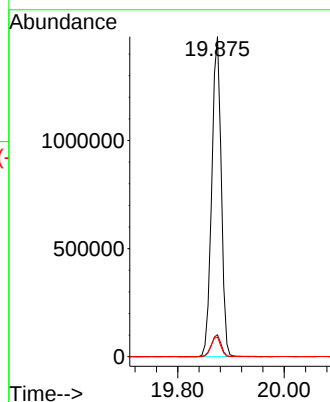
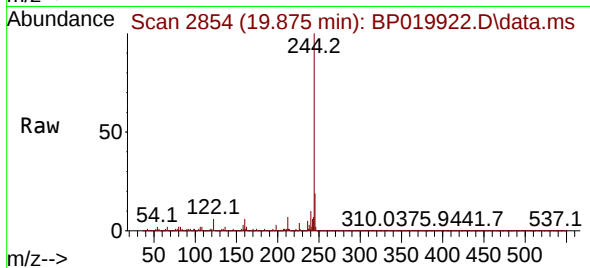
212 6.9 5.8 8.8

122 6.1 5.0 7.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#81

Benzo(a)anthracene

Concen: 11.101 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

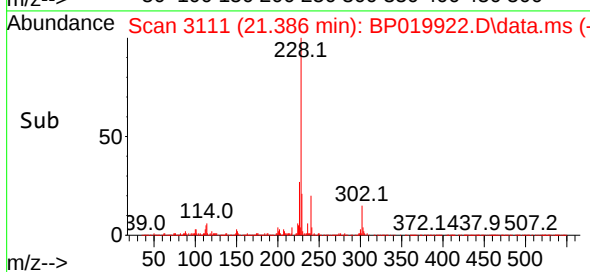
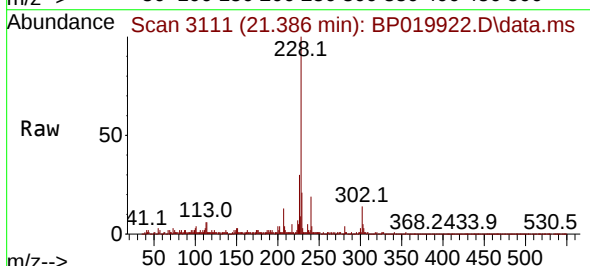
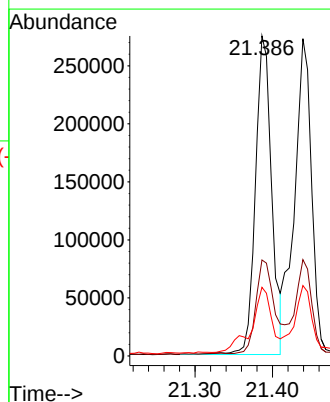
Tgt Ion:228 Resp: 398744

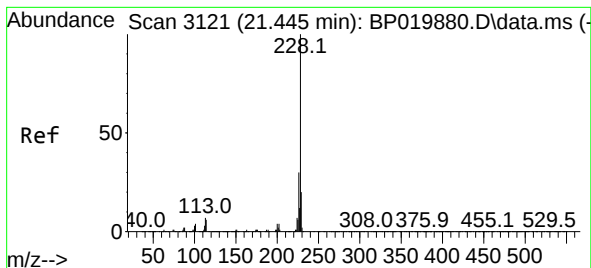
Ion Ratio Lower Upper

228 100

226 30.0 21.5 32.3

229 21.4 15.6 23.4





#83

Chrysene

Concen: 12.344 ng

RT: 21.439 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

Instrument :

BNA_P

ClientSampleId :

3

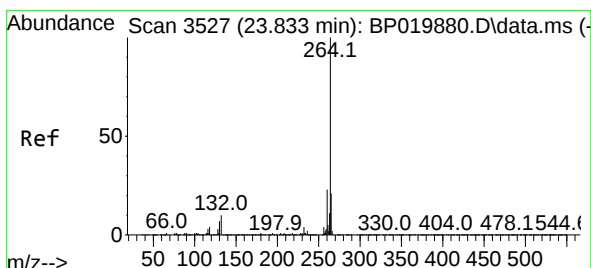
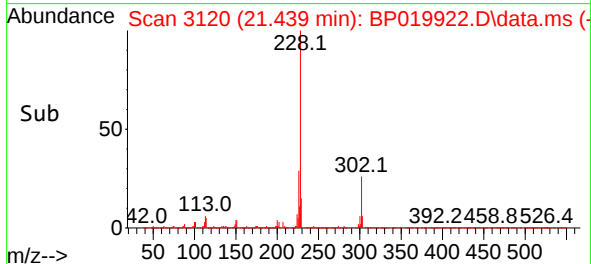
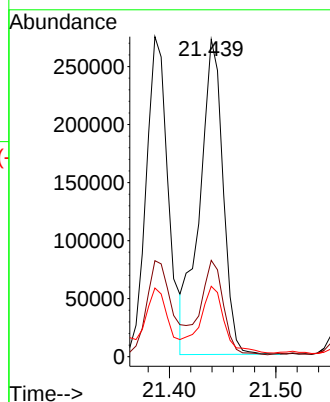
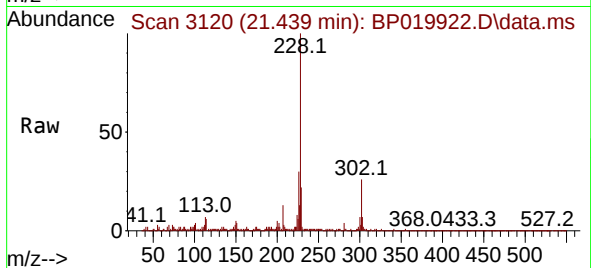
Tgt Ion:228 Resp: 415470

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.9	35.9
229	22.2	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.833 min Scan# 3527

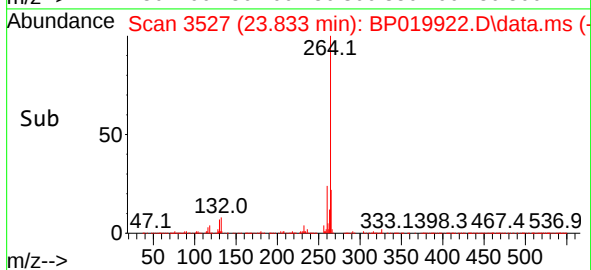
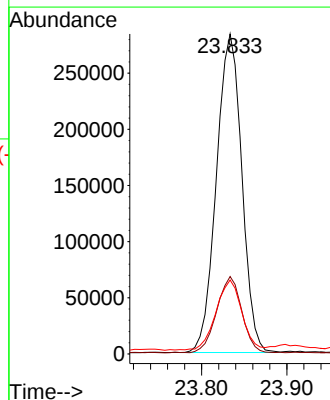
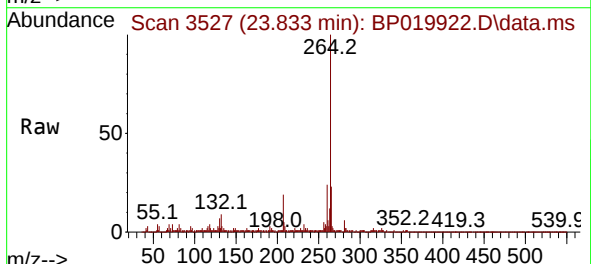
Delta R.T. 0.000 min

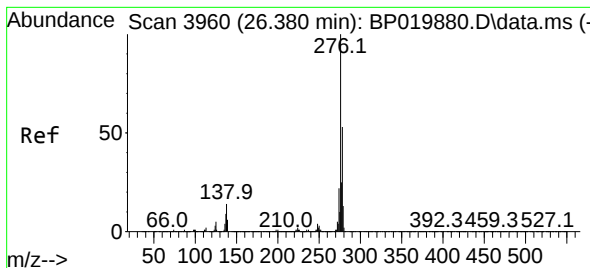
Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

Tgt Ion:264 Resp: 588489

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	23.1	17.4	26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.435 ng

RT: 26.374 min Scan# 3959

Delta R.T. -0.006 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

Instrument :

BNA_P

ClientSampleId :

3

Tgt Ion:276 Resp: 266589

Ion Ratio Lower Upper

276 100

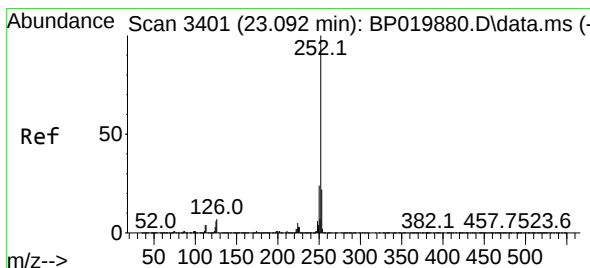
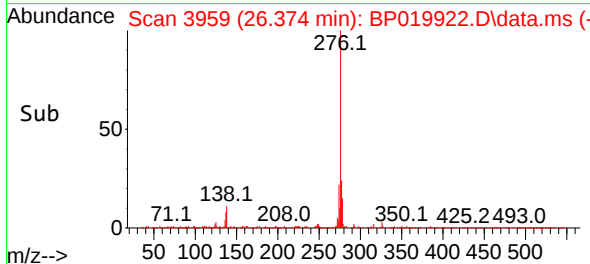
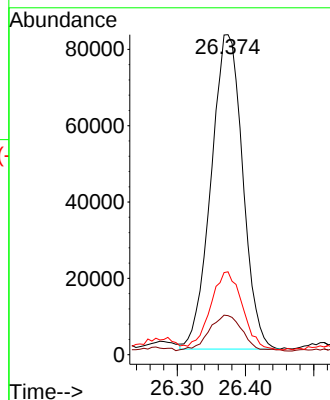
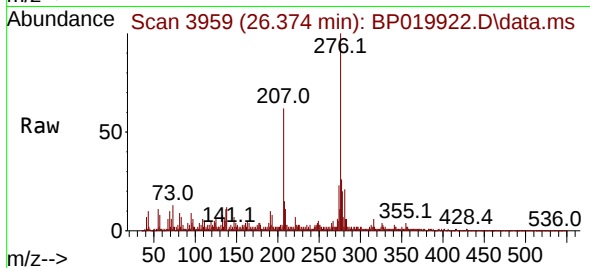
138 12.2 11.7 17.5

277 24.8 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#88

Benzo(b)fluoranthene

Concen: 15.834 ng

RT: 23.092 min Scan# 3401

Delta R.T. 0.000 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

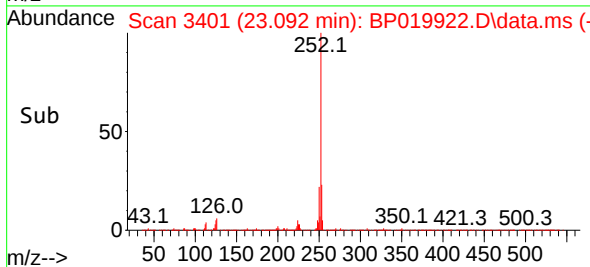
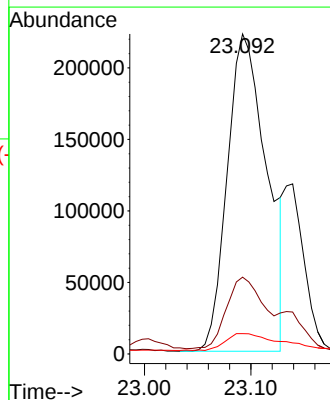
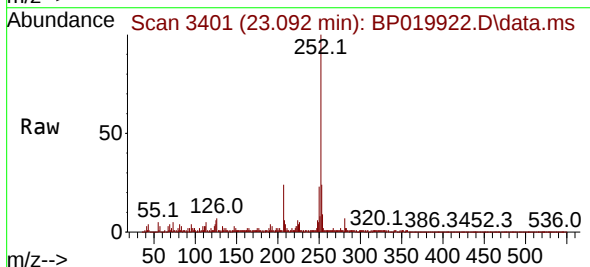
Tgt Ion:252 Resp: 571270

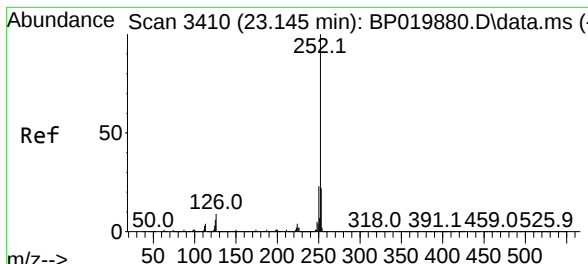
Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 6.3 4.6 7.0





#89
 Benzo(k)fluoranthene
 Concen: 4.374 ng m
 RT: 23.139 min Scan# 3410
 Delta R.T. -0.006 min
 Lab File: BP019922.D
 Acq: 28 Feb 2024 18:19

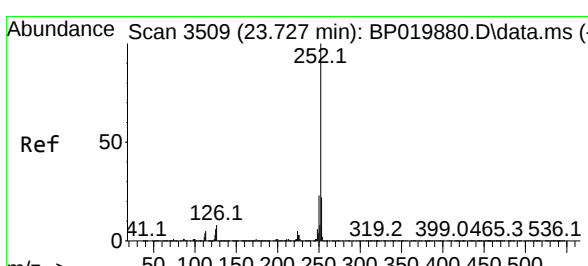
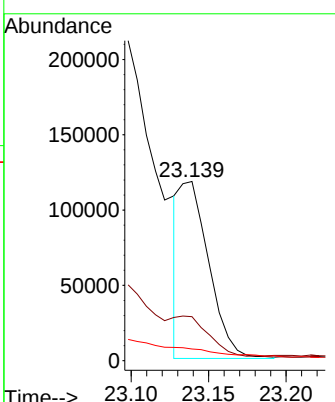
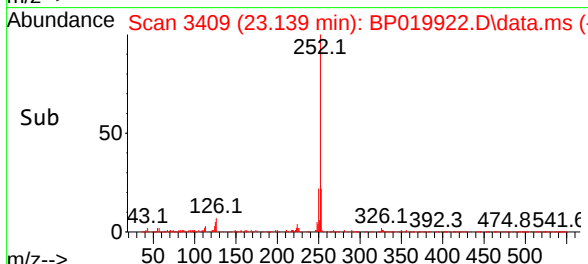
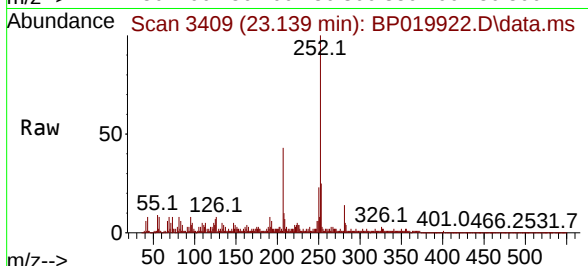
Instrument :
 BNA_P
 ClientSampleId :
 3

Tgt Ion: 252 Resp: 154775

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.3	25.9
125	6.5	4.6	6.8

Manual Integrations
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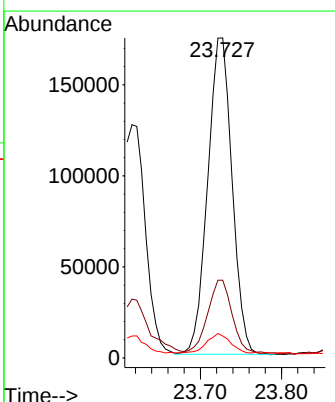
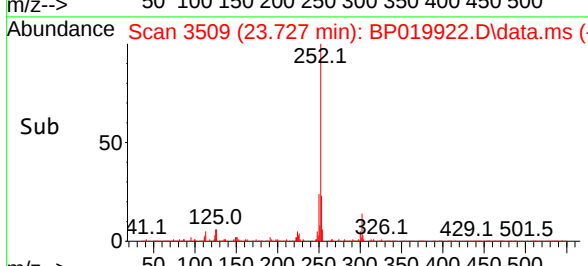
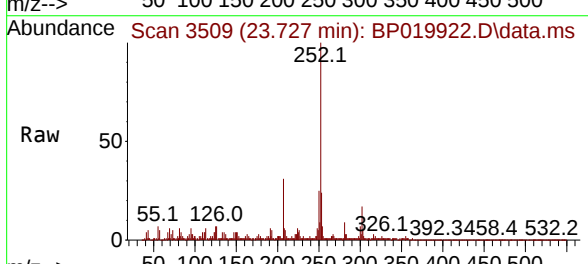
Reviewed By :Jagrut Upadhyay 02/29/2024
 Supervised By :mohammad ahmed 03/01/2024

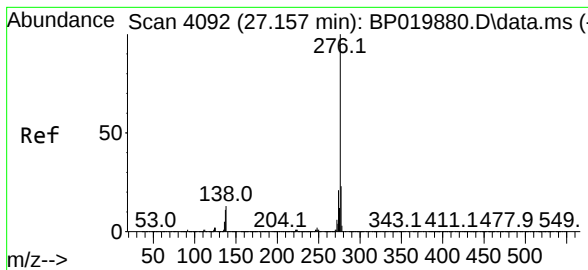


#90
 Benzo(a)pyrene
 Concen: 10.521 ng
 RT: 23.727 min Scan# 3509
 Delta R.T. 0.000 min
 Lab File: BP019922.D
 Acq: 28 Feb 2024 18:19

Tgt Ion: 252 Resp: 362751

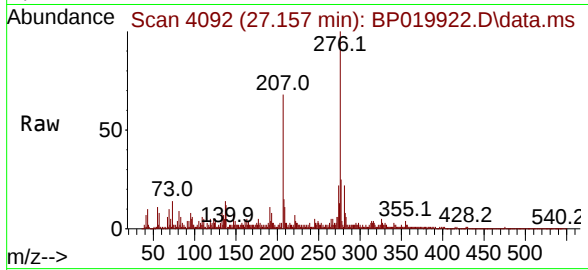
Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	6.9	5.2	7.8





#92
Benzo(g,h,i)perylene
Concen: 8.192 ng
RT: 27.157 min Scan# 4092
Delta R.T. 0.000 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

Instrument :
BNA_P
ClientSampleId :
3



Tgt Ion: 276 Resp: 27541
Ion Ratio Lower Upper
276 100
277 25.3 18.5 27.7
138 12.4 10.2 15.2

Manual Integrations
APPROVED

Reviewed By : Jagrut Upadhyay 02/29/2024
Supervised By : mohammad ahmed 03/01/2024

