

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
 Data File : BP019916.D
 Acq On : 28 Feb 2024 14:55
 Operator : MA/JU
 Sample : P1584-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 AU-06-02232024

Manual Integrations
 APPROVED

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

Quant Time: Feb 28 15:40:44 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	7.887	152	96268	20.000	ng	-0.01
21) Naphthalene-d8	10.687	136	344417	20.000	ng	-0.02
39) Acenaphthene-d10	14.534	164	227674	20.000	ng	-0.01
64) Phenanthrene-d10	17.292	188	522990	20.000	ng	-0.01
76) Chrysene-d12	21.398	240	545871	20.000	ng	-0.01
86) Perylene-d12	23.821	264	614583	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	482725	82.305	ng	0.00
7) Phenol-d6	7.063	99	646189	74.000	ng	-0.01
23) Nitrobenzene-d5	9.057	82	452562	53.048	ng	-0.02
42) 2,4,6-Tribromophenol	16.034	330	343531	87.999	ng	-0.01
45) 2-Fluorobiphenyl	13.157	172	948005	56.258	ng	-0.01
79) Terphenyl-d14	19.869	244	1834556	52.971	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.339	178	185924	6.660	ng	99
72) Anthracene	17.428	178	59806	2.099	ng	98
75) Fluoranthene	19.310	202	390929	10.791	ng	99
78) Pyrene	19.663	202	354748	9.459	ng	100
80) Butylbenzylphthalate	20.551	149	96107	6.408	ng	92
81) Benzo(a)anthracene	21.380	228	231393	5.972	ng	96
83) Chrysene	21.433	228	232631	6.407	ng	95
87) Indeno(1,2,3-cd)pyrene	26.351	276	137712	3.183	ng	99
88) Benzo(b)fluoranthene	23.080	252	277463	7.364	ng	# 91
89) Benzo(k)fluoranthene	23.127	252	86964m	2.353	ng	
90) Benzo(a)pyrene	23.715	252	203681	5.656	ng	# 95
92) Benzo(g,h,i)perylene	27.139	276	147706	4.207	ng	96

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

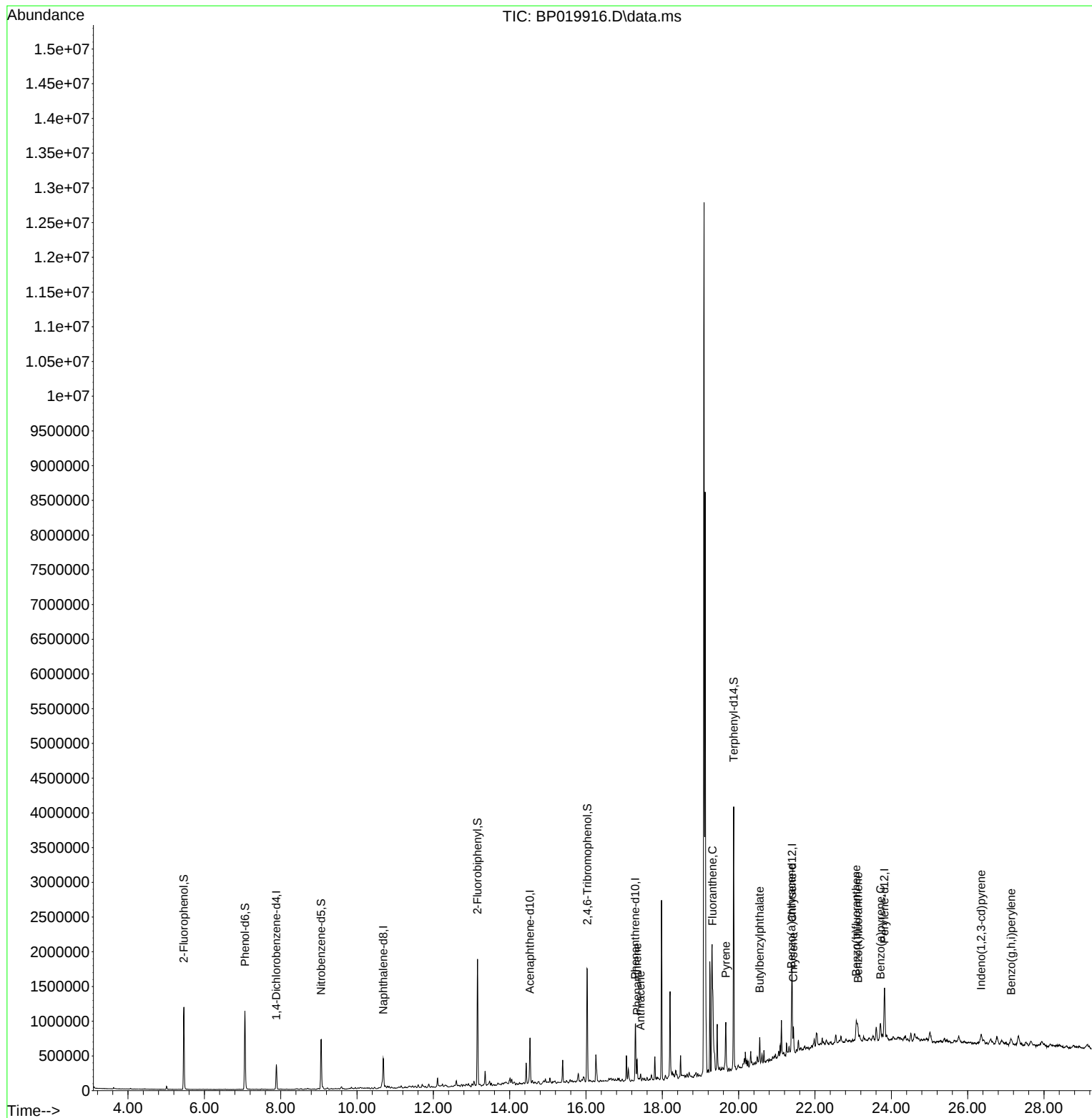
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
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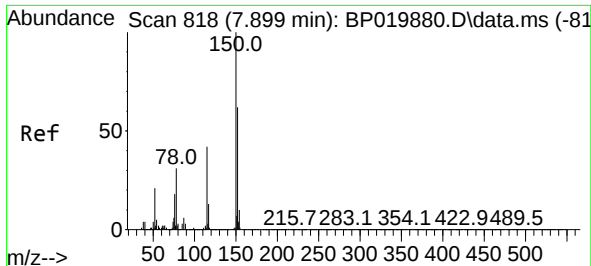
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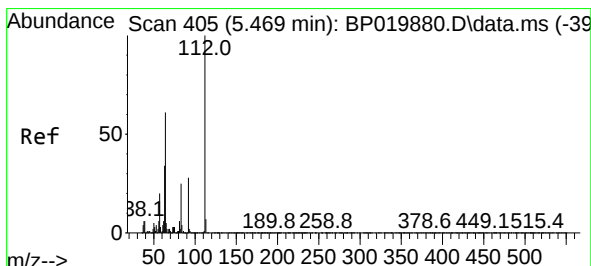
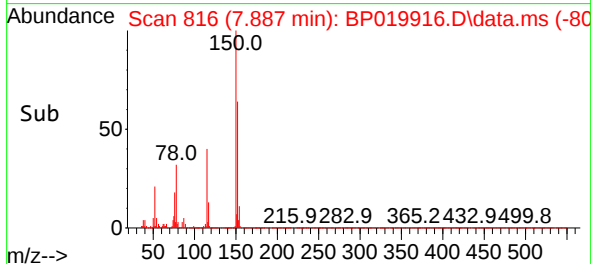
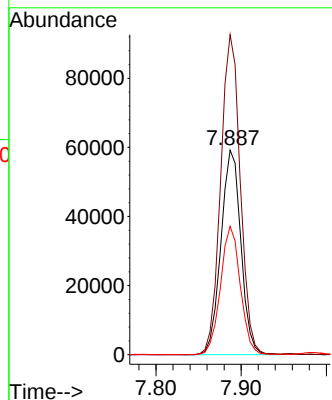
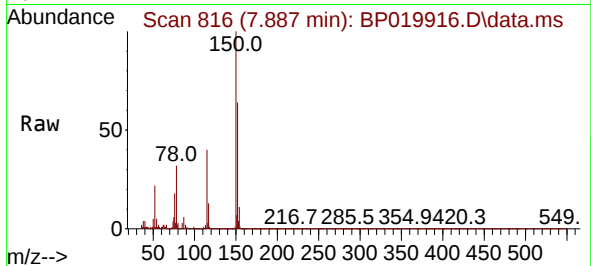
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.887 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP019916.D
Acq: 28 Feb 2024 14:55

Instrument :
BNA_P
ClientSampleId :
AU-06-02232024

Tgt Ion:152 Resp: 96268
Ion Ratio Lower Upper
152 100
150 156.4 128.6 192.8
115 62.7 53.4 80.2

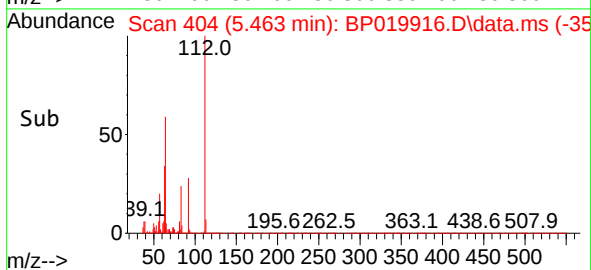
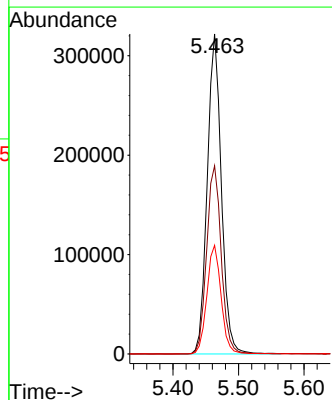
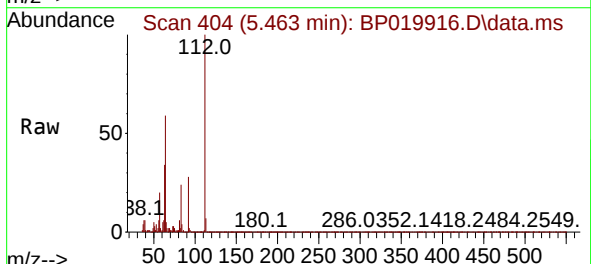
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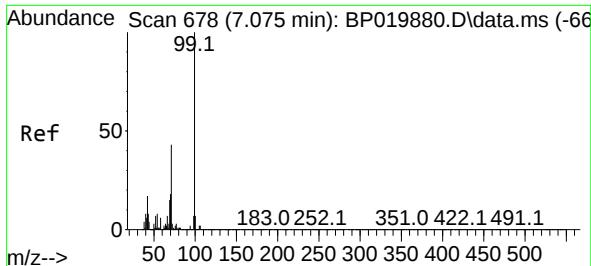
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#5
2-Fluorophenol
Concen: 82.305 ng
RT: 5.463 min Scan# 404
Delta R.T. -0.006 min
Lab File: BP019916.D
Acq: 28 Feb 2024 14:55

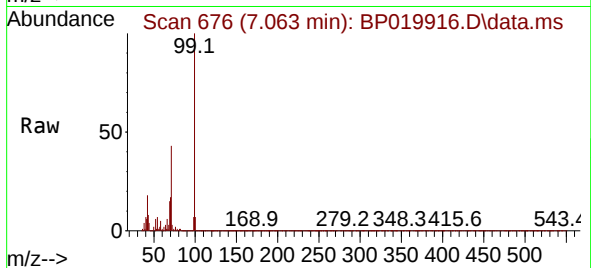
Tgt Ion:112 Resp: 482725
Ion Ratio Lower Upper
112 100
64 58.8 49.0 73.6
63 34.0 27.6 41.4





#7
Phenol-d6
Concen: 74.000 ng
RT: 7.063 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP019916.D
Acq: 28 Feb 2024 14:55

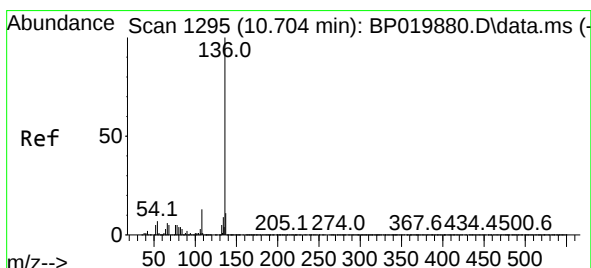
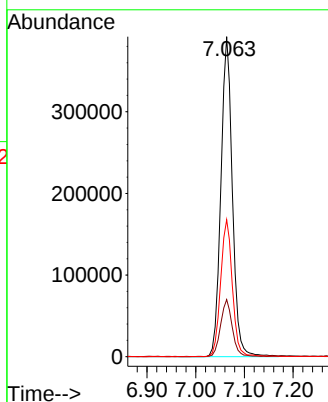
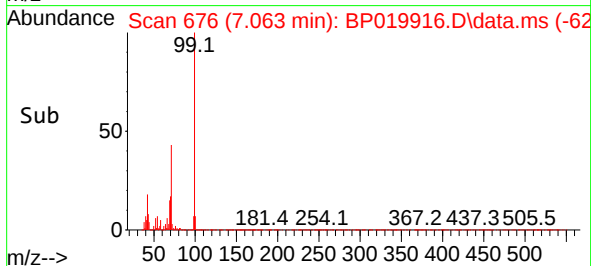
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Tgt Ion: 99 Resp: 646189
Ion Ratio Lower Upper
99 100
42 17.8 13.8 20.8
71 42.8 34.5 51.7

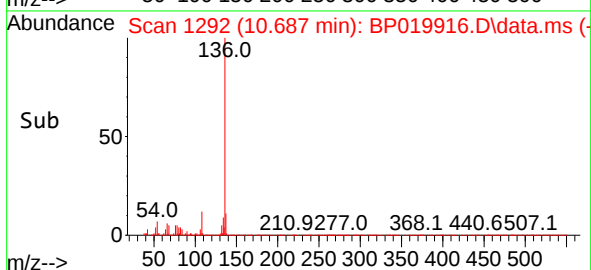
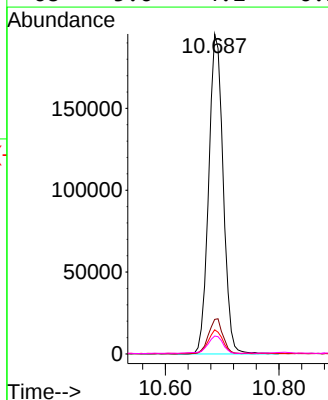
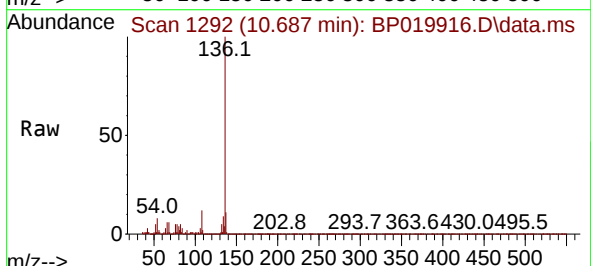
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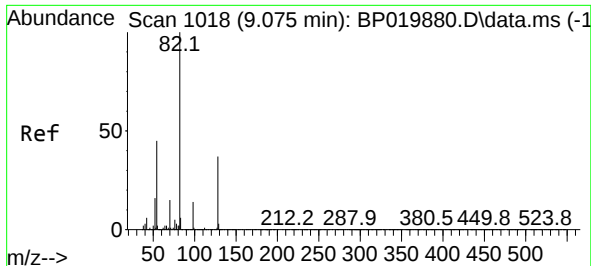
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.687 min Scan# 1292
Delta R.T. -0.018 min
Lab File: BP019916.D
Acq: 28 Feb 2024 14:55

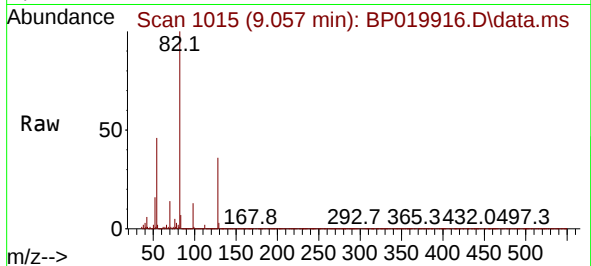
Tgt Ion:136 Resp: 344417
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.6 6.0 9.0
68 5.6 4.2 6.2





#23
Nitrobenzene-d5
Concen: 53.048 ng
RT: 9.057 min Scan# 1015
Delta R.T. -0.018 min
Lab File: BP019916.D
Acq: 28 Feb 2024 14:55

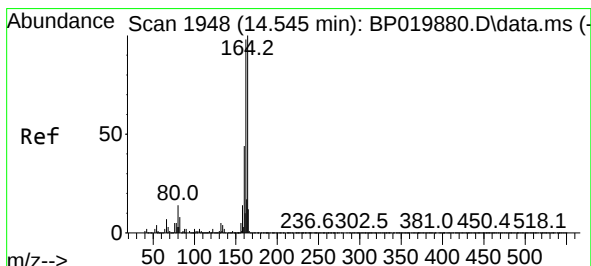
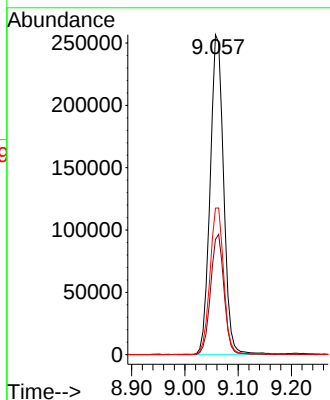
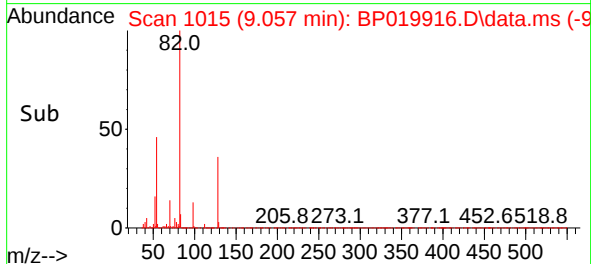
Instrument :
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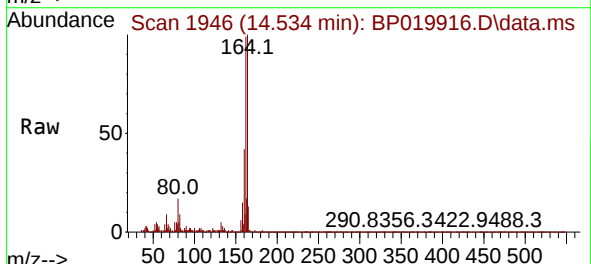
Tgt Ion: 82 Resp: 452562
Ion Ratio Lower Upper
82 100
128 36.1 29.6 44.4
54 45.8 36.3 54.5

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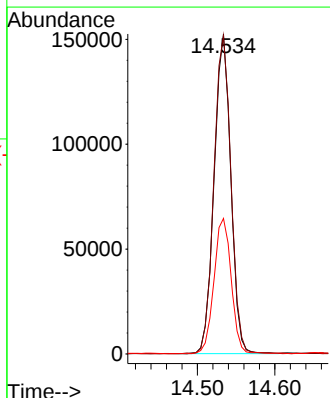
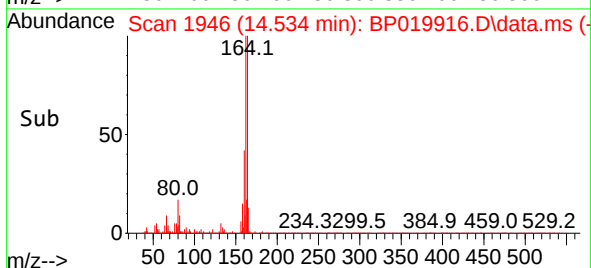
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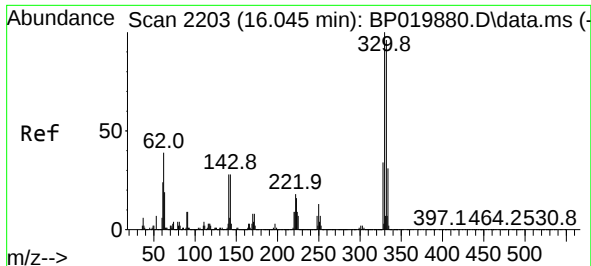


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.534 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP019916.D
Acq: 28 Feb 2024 14:55



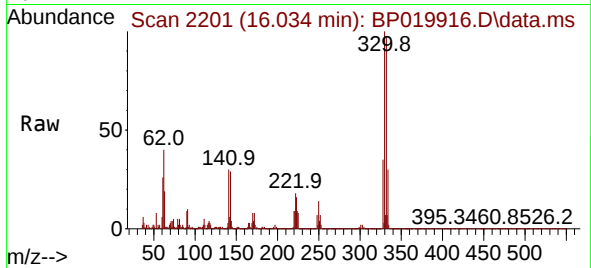
Tgt Ion:164 Resp: 227674
Ion Ratio Lower Upper
164 100
162 99.5 78.1 117.1
160 42.3 35.3 52.9





#42
2,4,6-Tribromophenol
Concen: 87.999 ng
RT: 16.034 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP019916.D
Acq: 28 Feb 2024 14:55

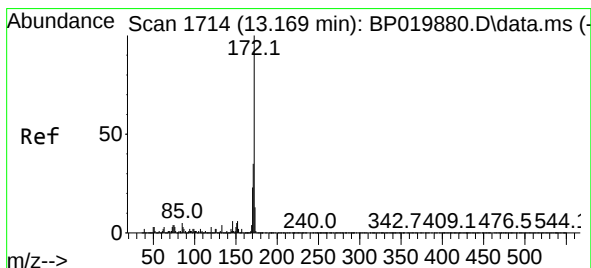
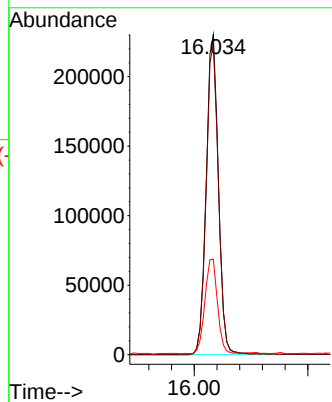
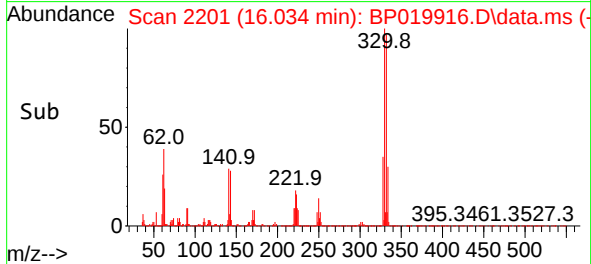
Instrument :
BNA_P
ClientSampleId :
AU-06-02232024



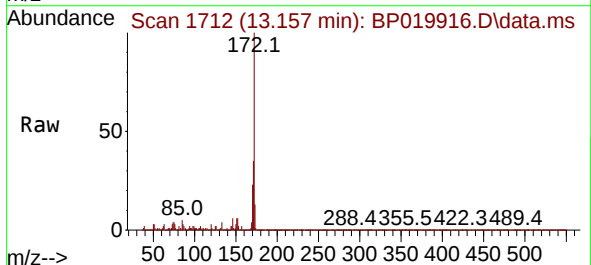
Tgt Ion:330 Resp: 34353
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.2
141 30.4 24.6 37.0

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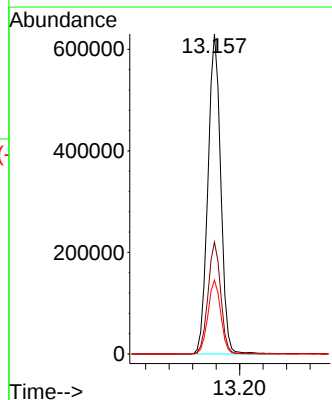
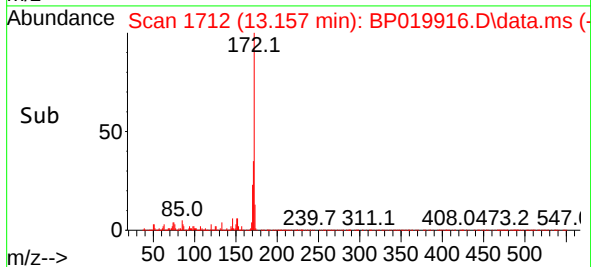
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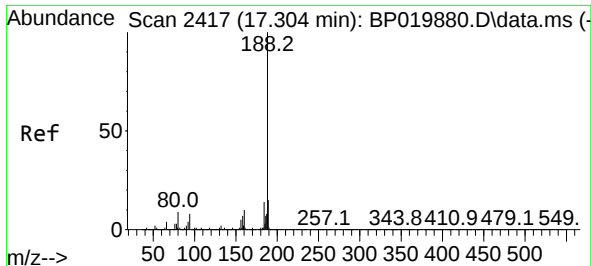


#45
2-Fluorobiphenyl
Concen: 56.258 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP019916.D
Acq: 28 Feb 2024 14:55



Tgt Ion:172 Resp: 948005
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.6
170 23.0 18.4 27.6





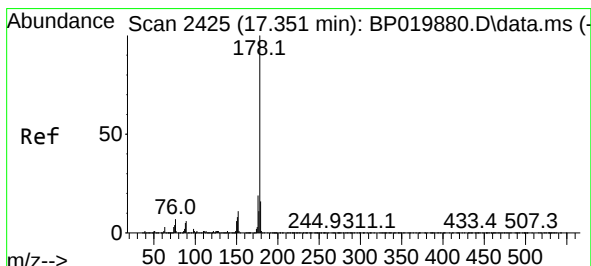
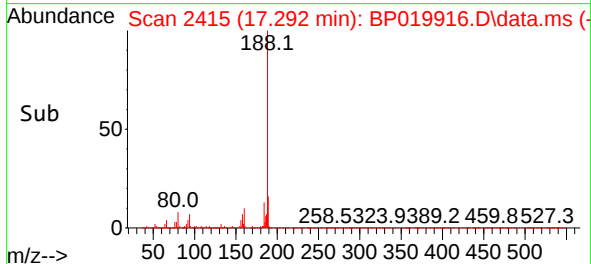
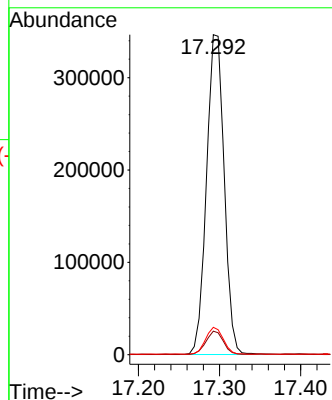
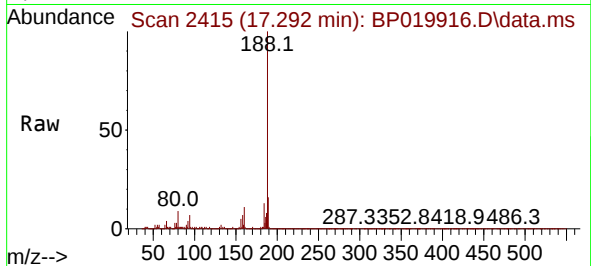
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BP019916.D
Acq: 28 Feb 2024 14:55

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Tgt Ion:188 Resp: 522990
Ion Ratio Lower Upper
188 100
94 7.3 6.2 9.4
80 8.5 7.0 10.4

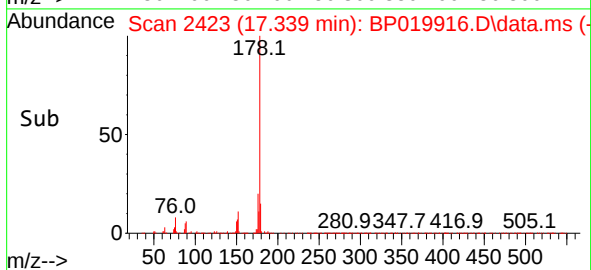
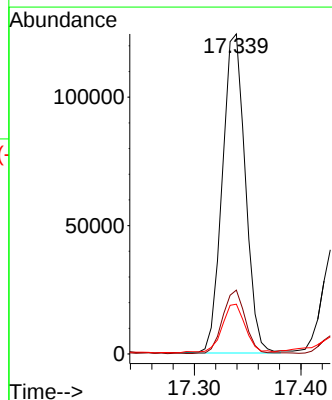
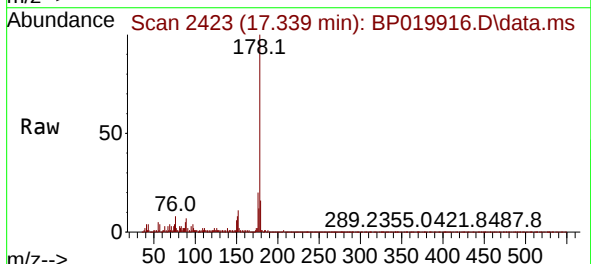
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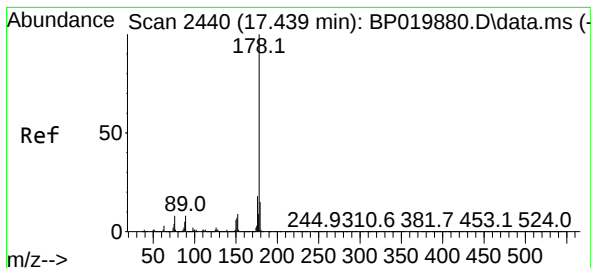
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#71
Phenanthrene
Concen: 6.660 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP019916.D
Acq: 28 Feb 2024 14:55

Tgt Ion:178 Resp: 185924
Ion Ratio Lower Upper
178 100
176 20.0 15.2 22.8
179 15.5 12.5 18.7





#72

Anthracene

Concen: 2.099 ng

RT: 17.428 min Scan# 2440

Delta R.T. -0.012 min

Lab File: BP019916.D

Acq: 28 Feb 2024 14:55

Instrument :

BNA_P

ClientSampleId :

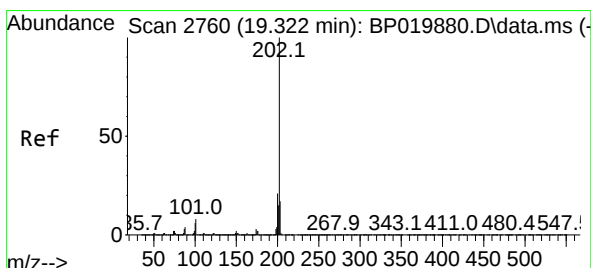
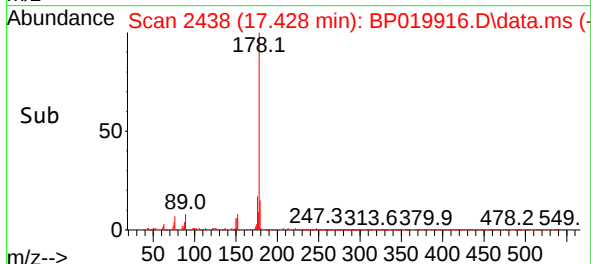
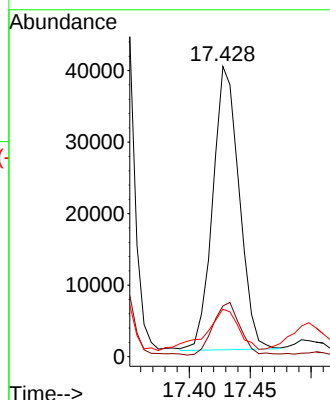
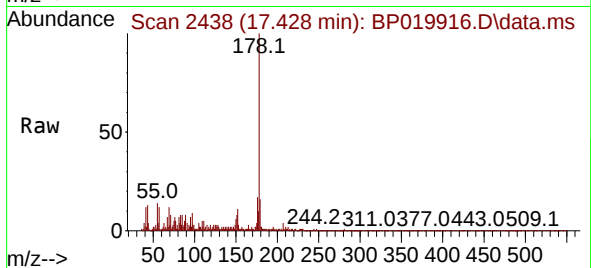
AU-06-02232024

Tgt Ion:178	Resp: 59800
Ion Ratio	Lower Upper
178 100	
176 17.5	14.7 22.1
179 16.4	12.2 18.4

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#75

Fluoranthene

Concen: 10.791 ng

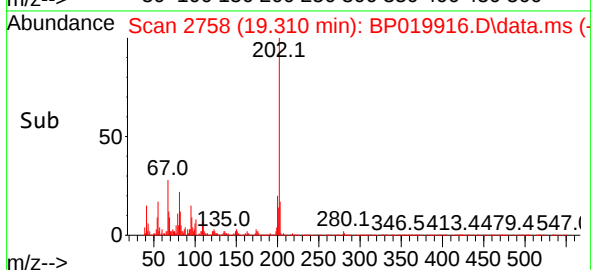
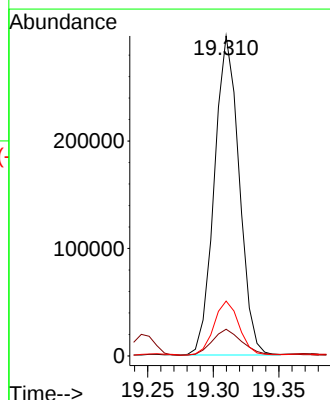
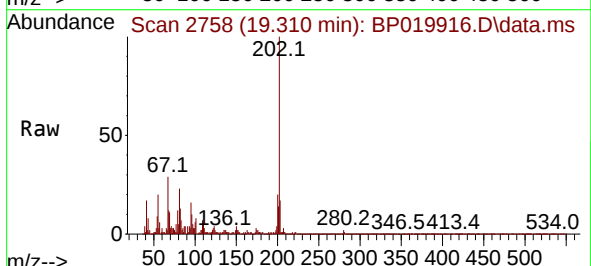
RT: 19.310 min Scan# 2758

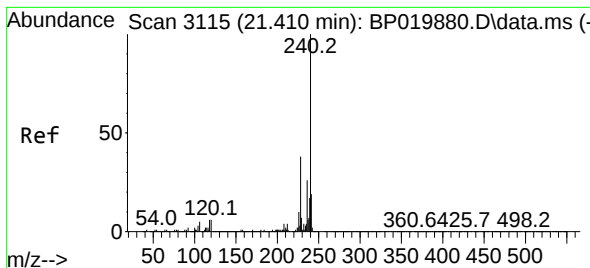
Delta R.T. -0.012 min

Lab File: BP019916.D

Acq: 28 Feb 2024 14:55

Tgt Ion:202	Resp: 390929
Ion Ratio	Lower Upper
202 100	
101 8.3	0.0 27.7
203 17.1	0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.398 min Scan# 3115

Delta R.T. -0.012 min

Lab File: BP019916.D

Acq: 28 Feb 2024 14:55

Instrument :

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ClientSampleId :

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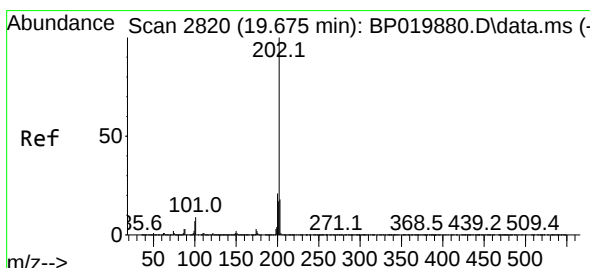
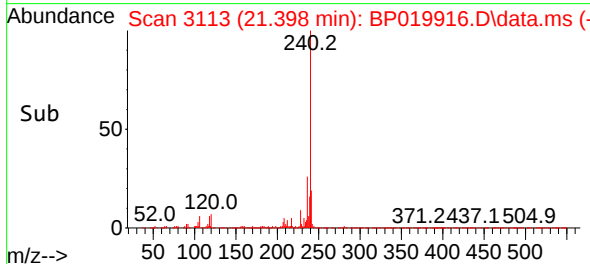
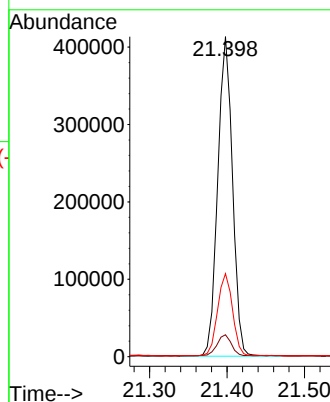
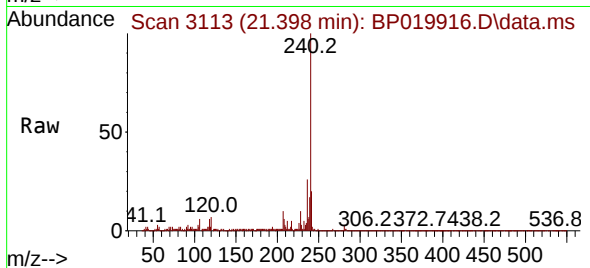
Tgt Ion:240 Resp: 54587

Ion	Ratio	Lower	Upper
240	100		
120	6.9	5.1	7.7
236	26.0	20.5	30.7

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#78

Pyrene

Concen: 9.459 ng

RT: 19.663 min Scan# 2818

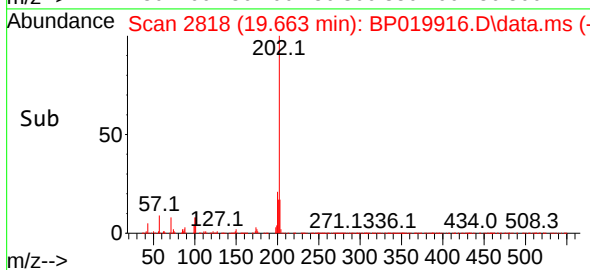
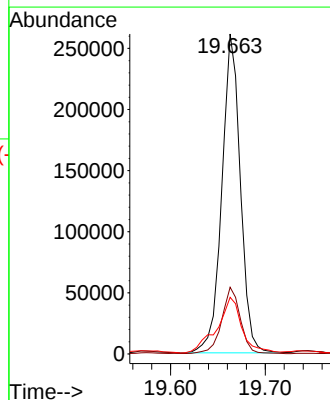
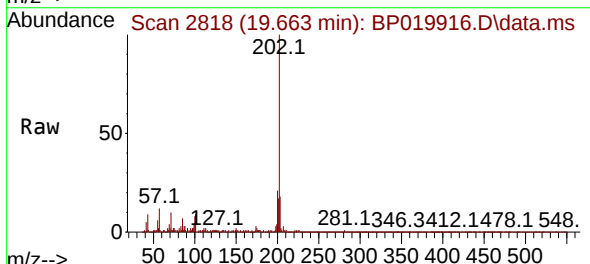
Delta R.T. -0.012 min

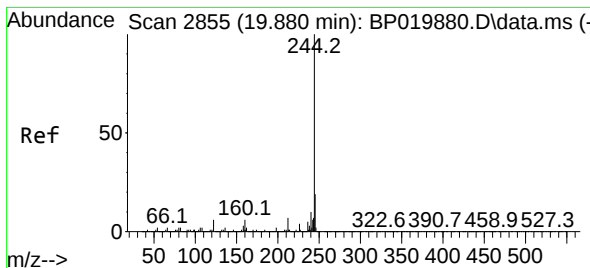
Lab File: BP019916.D

Acq: 28 Feb 2024 14:55

Tgt Ion:202 Resp: 354748

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.7	14.2	21.2





#79

Terphenyl-d14

Concen: 52.971 ng

RT: 19.869 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BP019916.D

Acq: 28 Feb 2024 14:55

Instrument :

BNA_P

ClientSampleId :

AU-06-02232024

Tgt Ion:244 Resp: 183455

Ion Ratio Lower Upper

244 100

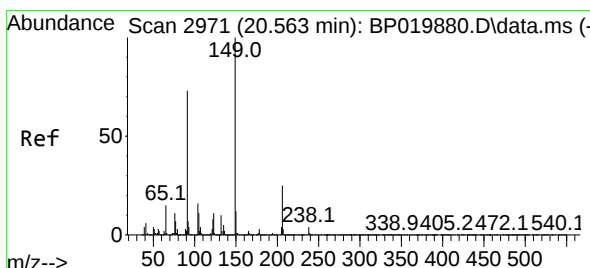
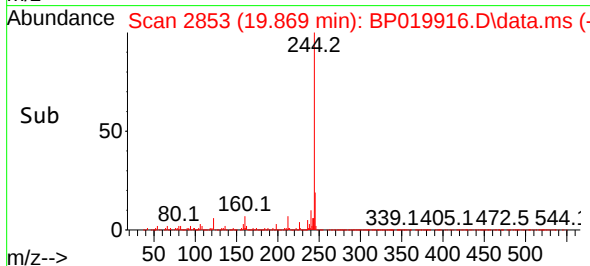
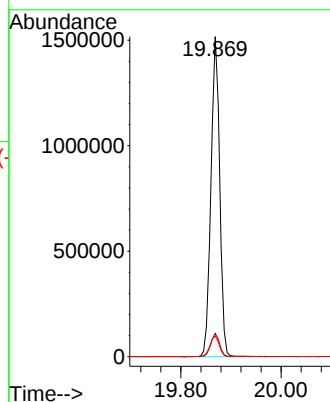
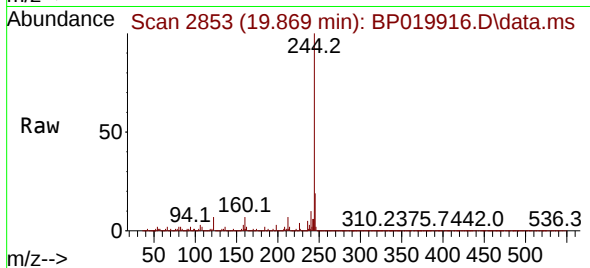
212 7.2 5.8 8.8

122 6.5 5.0 7.6

Manual Integrations

APPROVED

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



#80

Butylbenzylphthalate

Concen: 6.408 ng

RT: 20.551 min Scan# 2969

Delta R.T. -0.012 min

Lab File: BP019916.D

Acq: 28 Feb 2024 14:55

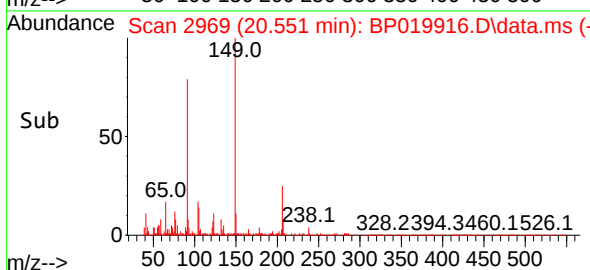
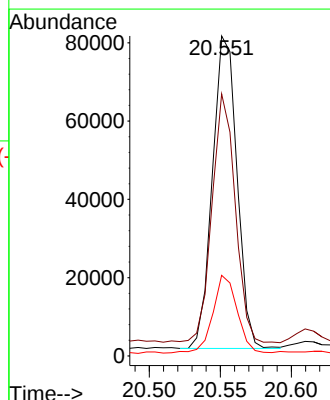
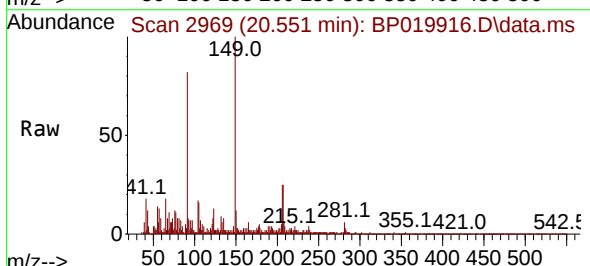
Tgt Ion:149 Resp: 96107

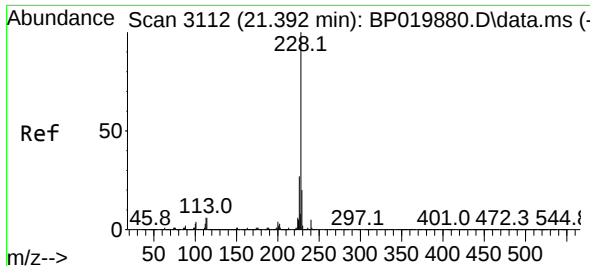
Ion Ratio Lower Upper

149 100

91 81.9 58.3 87.5

206 25.2 19.8 29.8





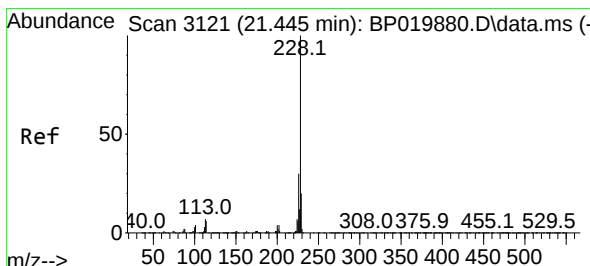
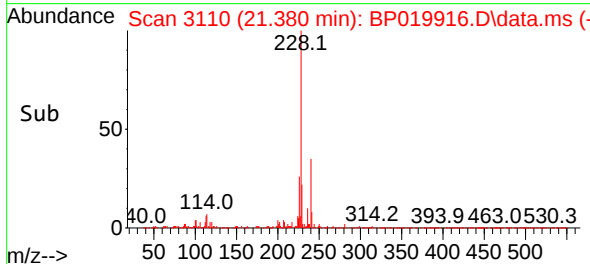
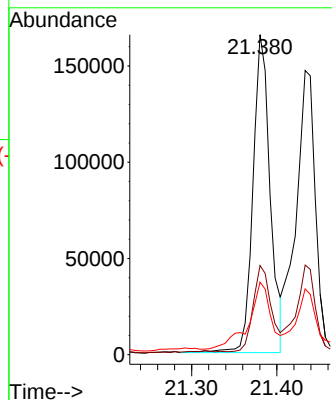
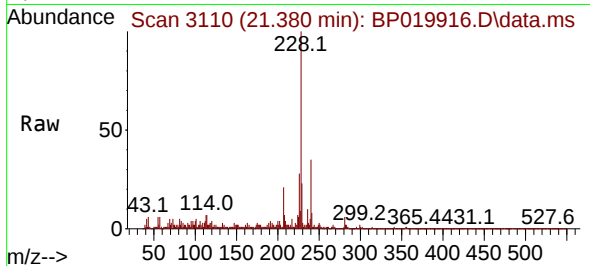
#81
Benzo(a)anthracene
Concen: 5.972 ng
RT: 21.380 min Scan# 3110
Delta R.T. -0.012 min
Lab File: BP019916.D
Acq: 28 Feb 2024 14:55

Instrument : BNA_P
ClientSampleId : AU-06-02232024

Tgt Ion:228 Resp: 23139
Ion Ratio Lower Upper
228 100
226 27.8 21.5 32.3
229 22.7 15.6 23.4

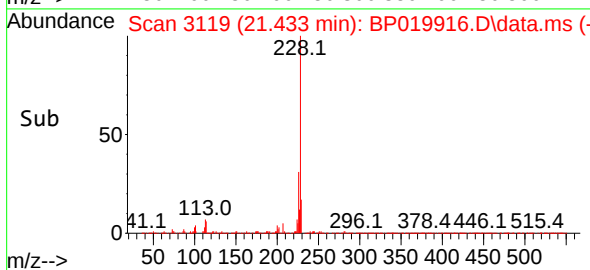
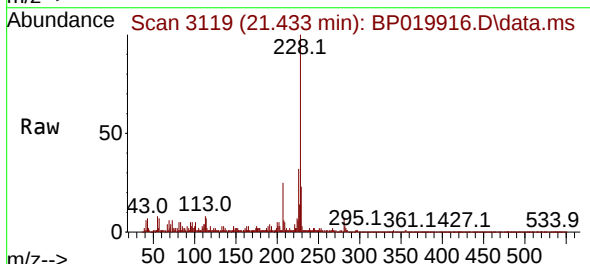
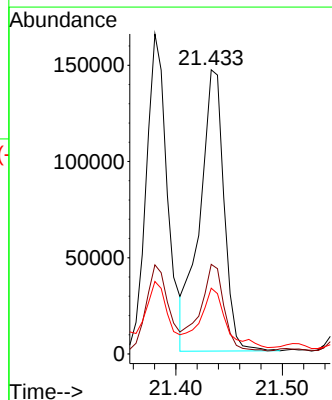
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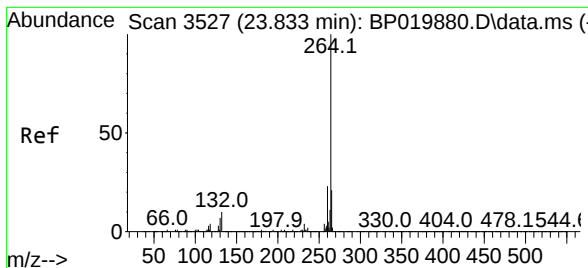
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#83
Chrysene
Concen: 6.407 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.012 min
Lab File: BP019916.D
Acq: 28 Feb 2024 14:55

Tgt Ion:228 Resp: 232631
Ion Ratio Lower Upper
228 100
226 31.5 23.9 35.9
229 23.1 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.821 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP019916.D

Acq: 28 Feb 2024 14:55

Instrument :

BNA_P

ClientSampleId :

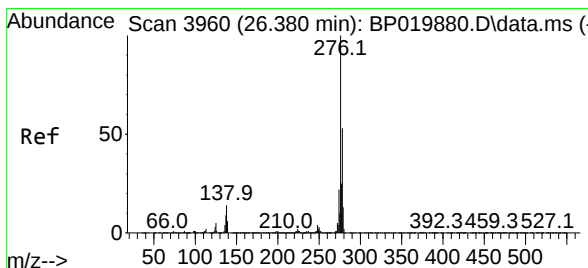
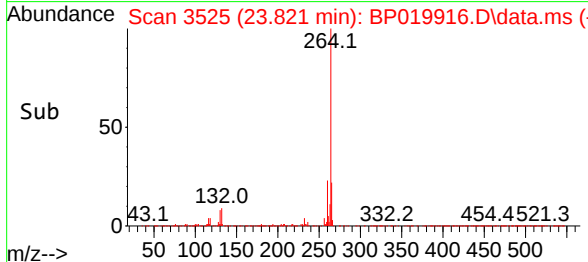
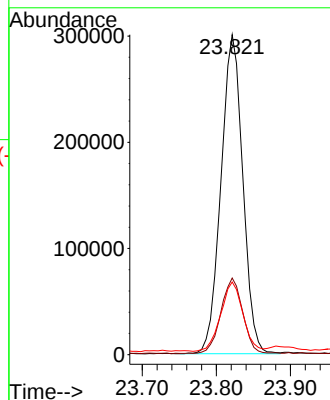
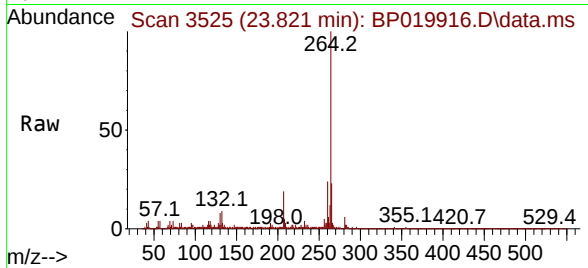
AU-06-02232024

Tgt Ion:264	Resp: 61458
Ion Ratio	Lower Upper
264 100	
260 24.0	18.7 28.1
265 22.7	17.4 26.2

Manual Integrations

APPROVED

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.183 ng

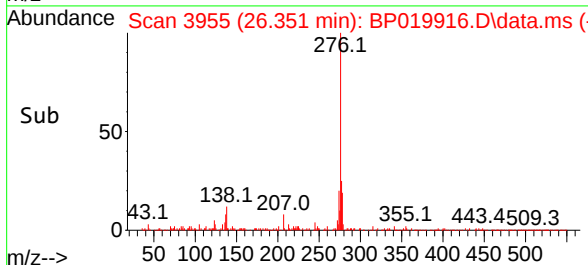
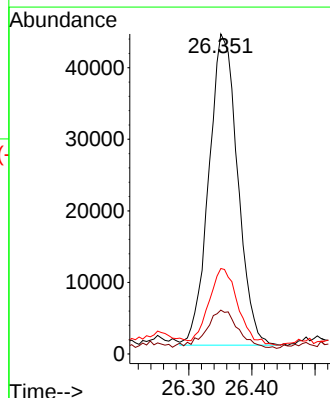
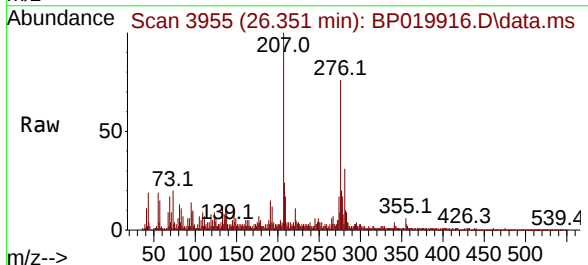
RT: 26.351 min Scan# 3955

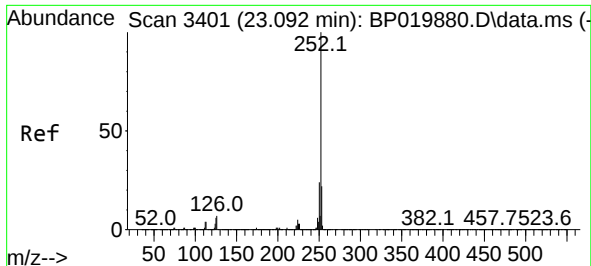
Delta R.T. -0.029 min

Lab File: BP019916.D

Acq: 28 Feb 2024 14:55

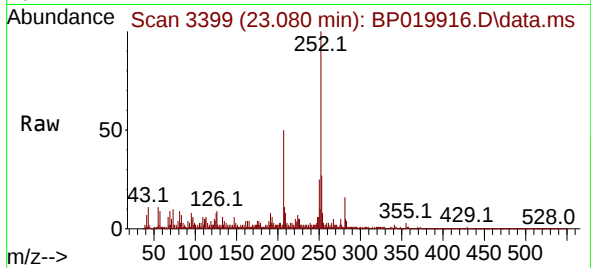
Tgt Ion:276	Resp: 137712
Ion Ratio	Lower Upper
276 100	
138 13.5	11.7 17.5
277 24.9	20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 7.364 ng
RT: 23.080 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP019916.D
Acq: 28 Feb 2024 14:55

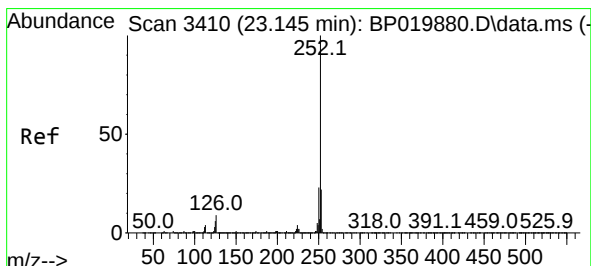
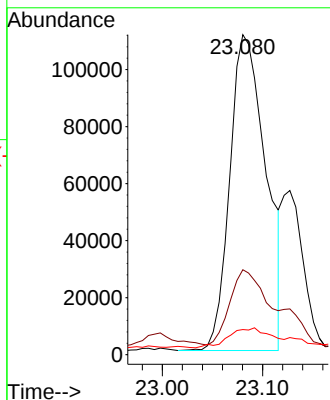
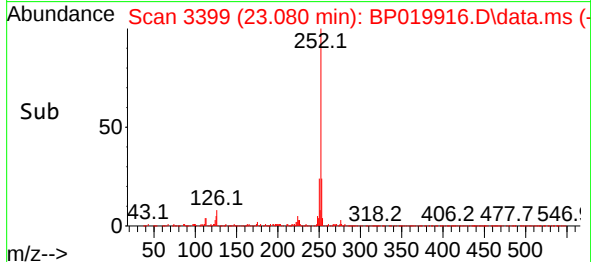
Instrument :
BNA_P
ClientSampleId :
AU-06-02232024



Tgt Ion:252 Resp: 27746
Ion Ratio Lower Upper
252 100
253 26.6 17.6 26.4
125 7.8 4.6 7.0

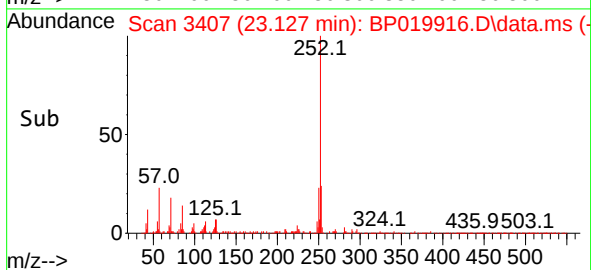
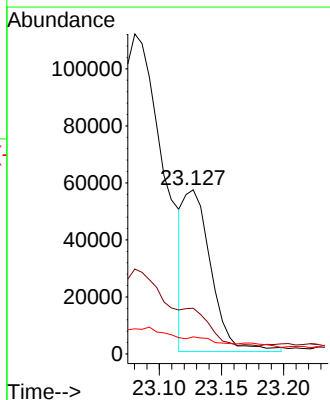
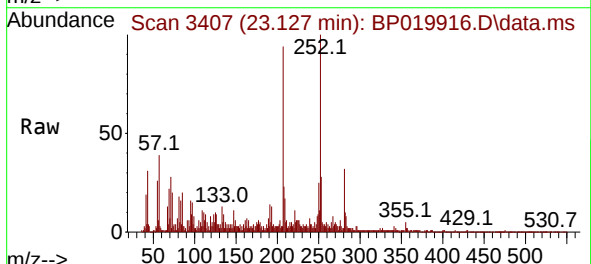
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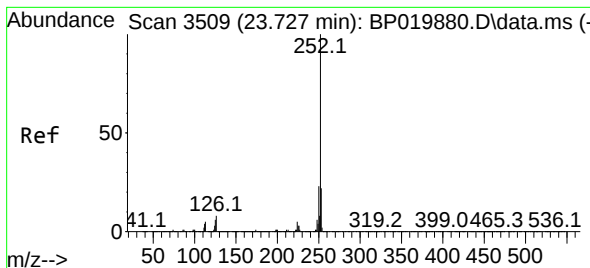
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#89
Benzo(k)fluoranthene
Concen: 2.353 ng m
RT: 23.127 min Scan# 3407
Delta R.T. -0.018 min
Lab File: BP019916.D
Acq: 28 Feb 2024 14:55

Tgt Ion:252 Resp: 86964
Ion Ratio Lower Upper
252 100
253 27.9 17.3 25.9#
125 10.5 4.6 6.8#





#90

Benzo(a)pyrene

Concen: 5.656 ng

RT: 23.715 min Scan# 3507

Delta R.T. -0.012 min

Lab File: BP019916.D

Acq: 28 Feb 2024 14:55

Instrument :

BNA_P

ClientSampleId :

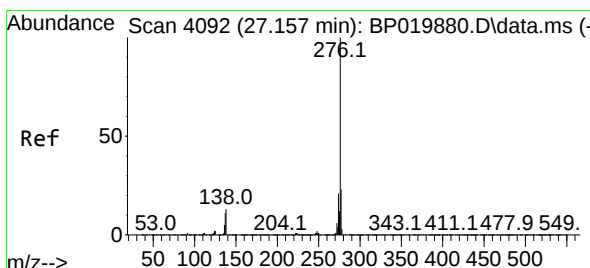
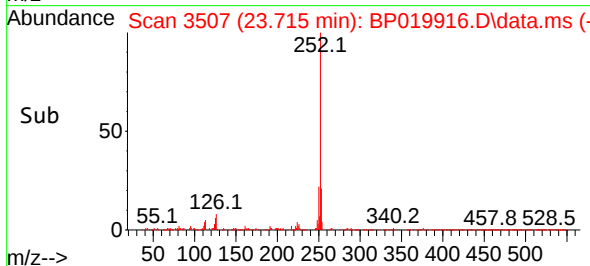
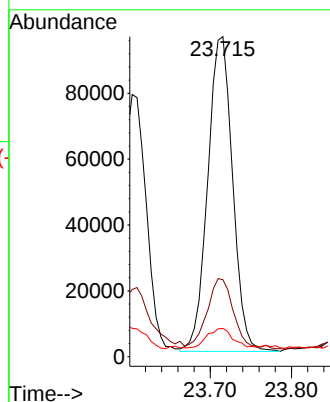
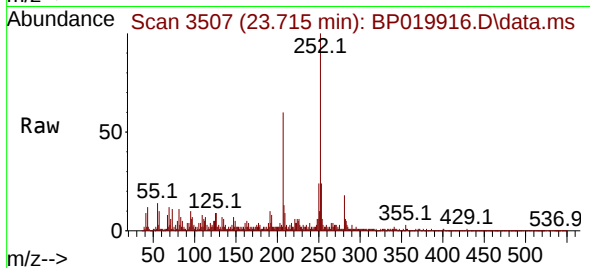
AU-06-02232024

Tgt Ion:	252	Resp:	20368
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.5	26.3
125	8.9	5.2	7.8

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 4.207 ng

RT: 27.139 min Scan# 4089

Delta R.T. -0.018 min

Lab File: BP019916.D

Acq: 28 Feb 2024 14:55

Tgt Ion:	276	Resp:	147706
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.5	27.7
138	14.4	10.2	15.2

