

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020824\
 Data File : BP019618.D
 Acq On : 08 Feb 2024 20:35
 Operator : MA/JU
 Sample : P1391-31
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP-4

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/09/2024
 Supervised By :mohammad ahmed 02/09/2024

Quant Time: Feb 09 00:43:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	95578	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	375645	20.000	ng	0.00
39) Acenaphthene-d10	14.540	164	243104	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	529952	20.000	ng	0.00
76) Chrysene-d12	21.386	240	442740	20.000	ng	0.00
86) Perylene-d12	23.810	264	516903	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	523786	88.336	ng	0.00
7) Phenol-d6	7.081	99	713466	89.238	ng	0.00
23) Nitrobenzene-d5	9.081	82	459964	53.058	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	347999	98.042	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	1060237	53.915	ng	-0.01
79) Terphenyl-d14	19.863	244	1534938	57.015	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.339	178	371504	13.320	ng	99
72) Anthracene	17.433	178	64671	2.324	ng	95
75) Fluoranthene	19.310	202	581482	17.067	ng	98
78) Pyrene	19.663	202	451375	14.446	ng	100
81) Benzo(a)anthracene	21.374	228	193125	6.197	ng	99
83) Chrysene	21.427	228	182934	6.183	ng	97
87) Indeno(1,2,3-cd)pyrene	26.333	276	120159	3.037	ng	96
88) Benzo(b)fluoranthene	23.074	252	244240	7.497	ng	# 95
89) Benzo(k)fluoranthene	23.116	252	88854m	2.855	ng	# 93
90) Benzo(a)pyrene	23.704	252	164054	5.660	ng	# 93
92) Benzo(g,h,i)perylene	27.109	276	114340	3.463	ng	98

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

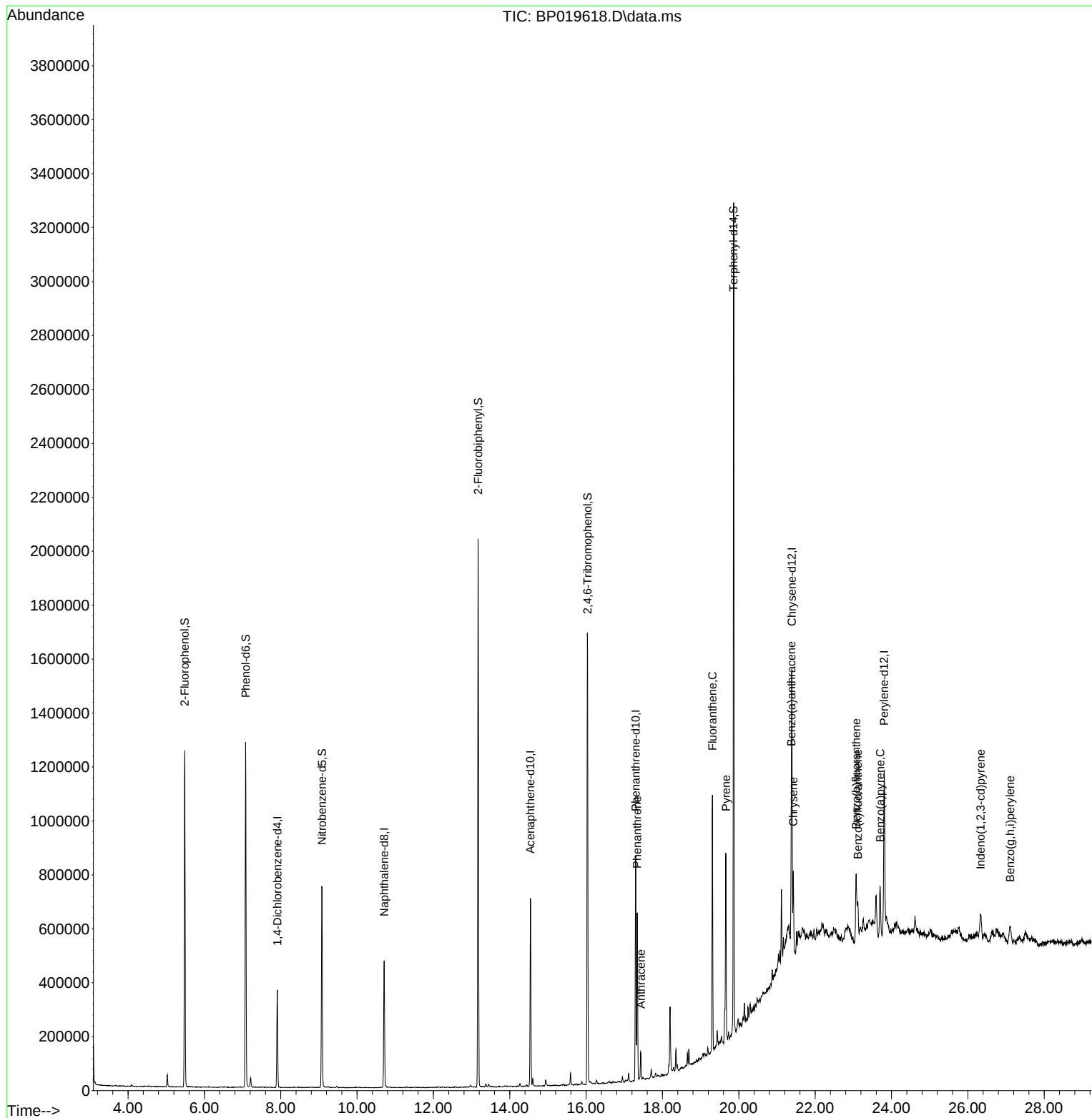
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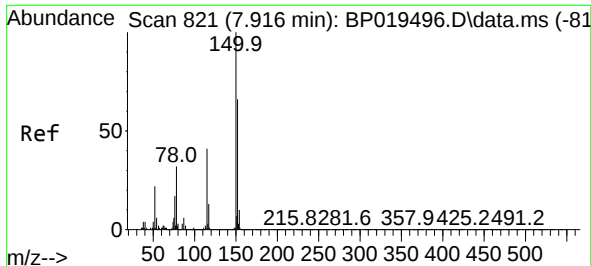
Instrument :
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SP-4

Quant Time: Feb 09 00:43:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
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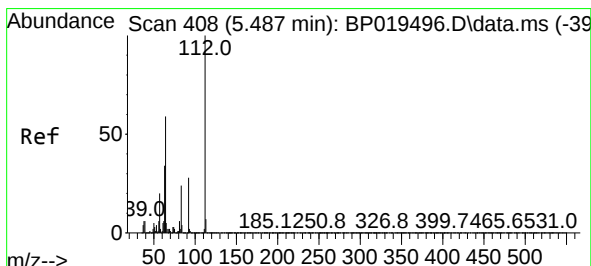
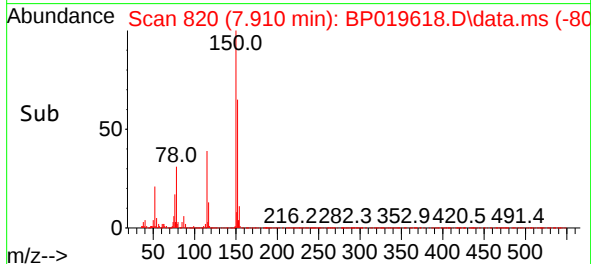
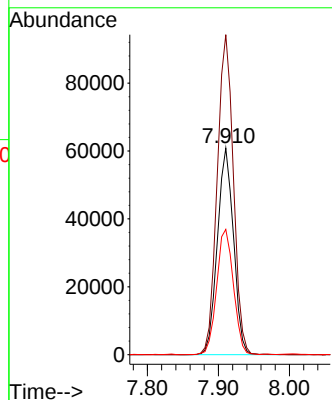
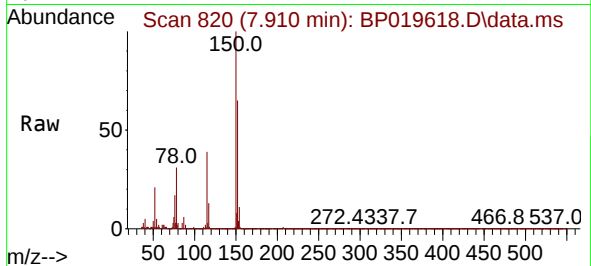
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019618.D
Acq: 08 Feb 2024 20:35

Instrument :
BNA_P
ClientSampleId :
SP-4

Tgt Ion:152 Resp: 95578
Ion Ratio Lower Upper
152 100
150 154.9 121.8 182.8
115 60.6 49.9 74.9

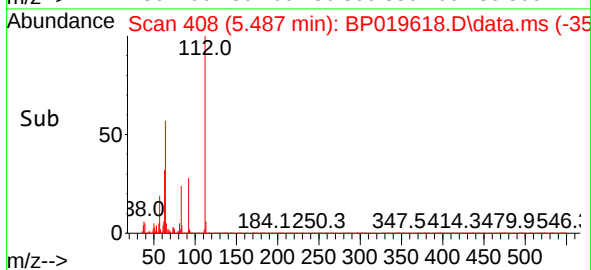
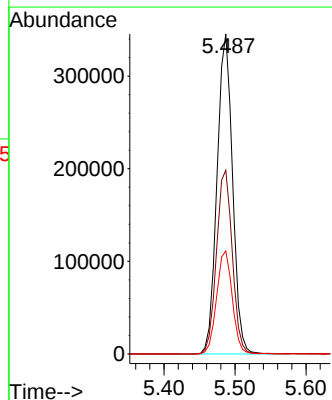
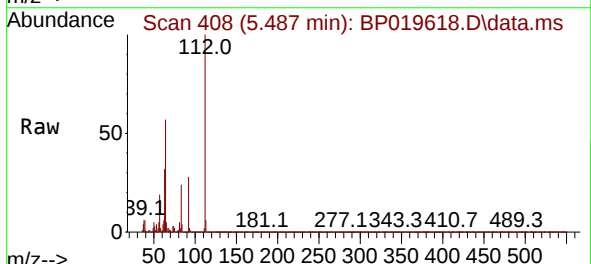
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#5
2-Fluorophenol
Concen: 88.336 ng
RT: 5.487 min Scan# 408
Delta R.T. 0.000 min
Lab File: BP019618.D
Acq: 08 Feb 2024 20:35

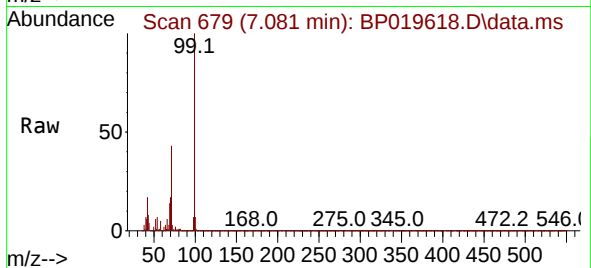
Tgt Ion:112 Resp: 523786
Ion Ratio Lower Upper
112 100
64 57.4 47.4 71.0
63 32.2 27.0 40.6





#7
Phenol-d6
Concen: 89.238 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019618.D
Acq: 08 Feb 2024 20:35

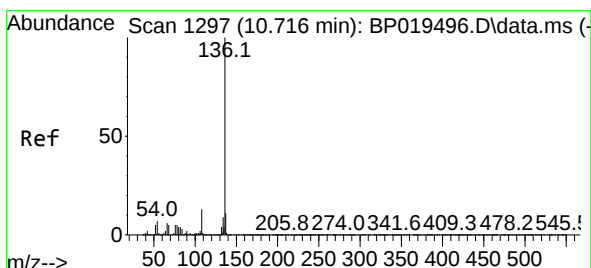
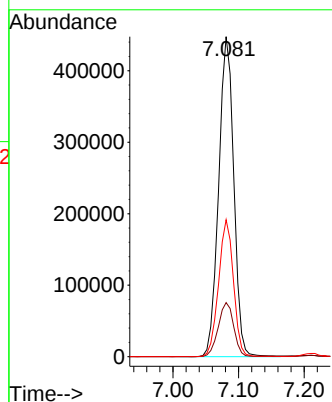
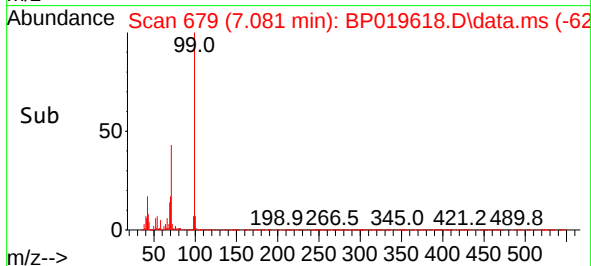
Instrument :
BNA_P
ClientSampleId :
SP-4



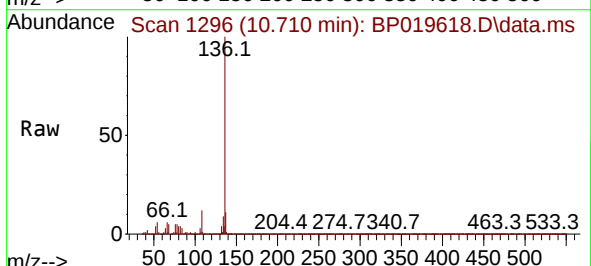
Tgt Ion: 99 Resp: 713460
Ion Ratio Lower Upper
99 100
42 16.9 14.7 22.1
71 42.8 34.8 52.2

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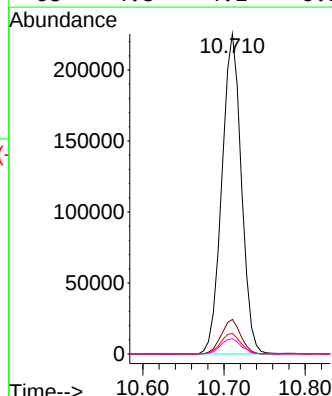
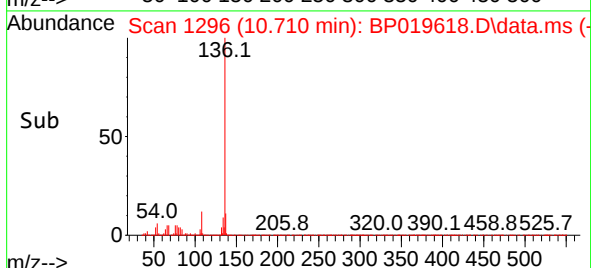
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Supervised By :mohammad ahmed 02/09/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP019618.D
Acq: 08 Feb 2024 20:35



Tgt Ion:136 Resp: 375645
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.4 5.3 7.9
68 4.8 4.1 6.1





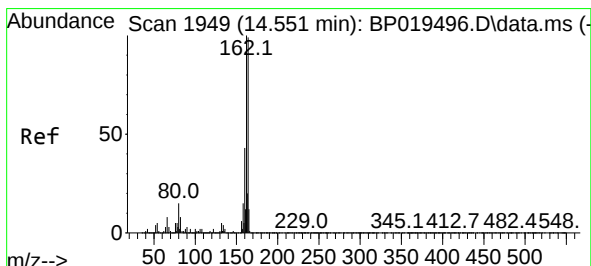
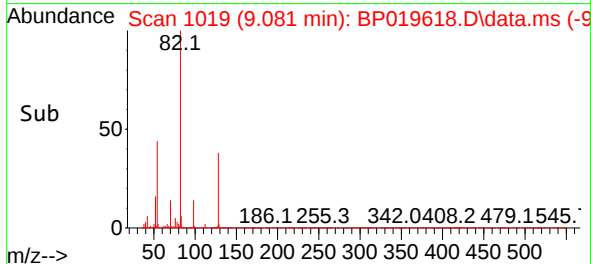
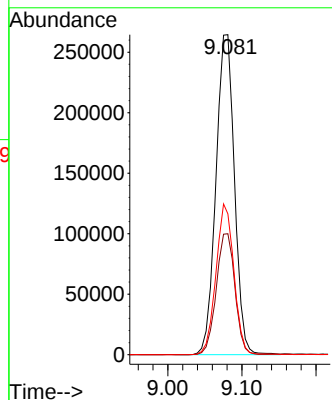
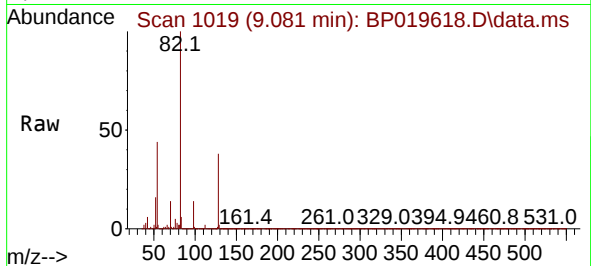
#23
Nitrobenzene-d5
Concen: 53.058 ng
RT: 9.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP019618.D
Acq: 08 Feb 2024 20:35

Instrument :
BNA_P
ClientSampleId :
SP-4

Tgt Ion: 82 Resp: 459964
Ion Ratio Lower Upper
82 100
128 37.8 29.7 44.5
54 44.0 36.8 55.2

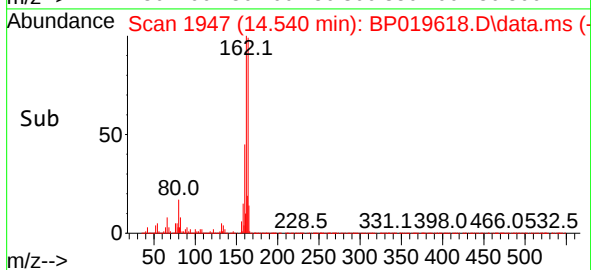
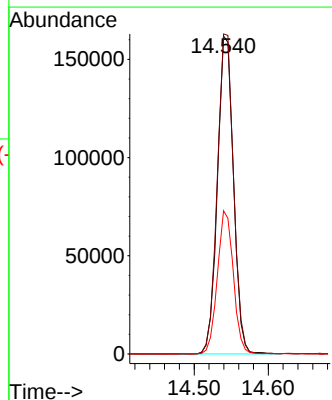
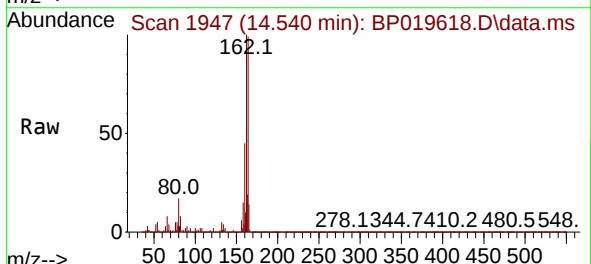
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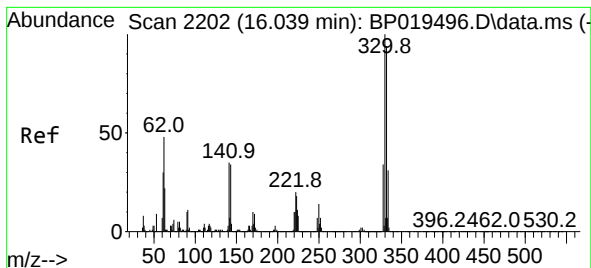
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Supervised By :mohammad ahmed 02/09/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1947
Delta R.T. -0.011 min
Lab File: BP019618.D
Acq: 08 Feb 2024 20:35

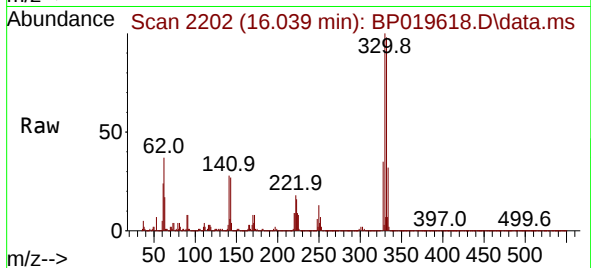
Tgt Ion:164 Resp: 243104
Ion Ratio Lower Upper
164 100
162 100.7 81.2 121.8
160 45.1 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 98.042 ng
RT: 16.039 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP019618.D
Acq: 08 Feb 2024 20:35

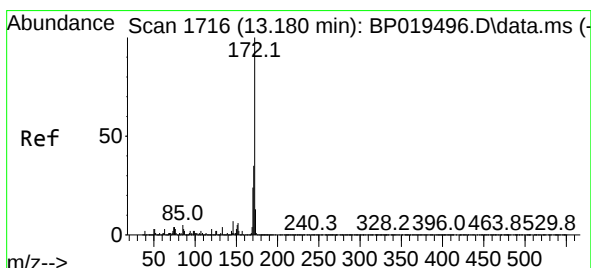
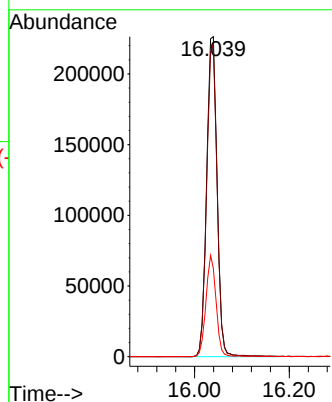
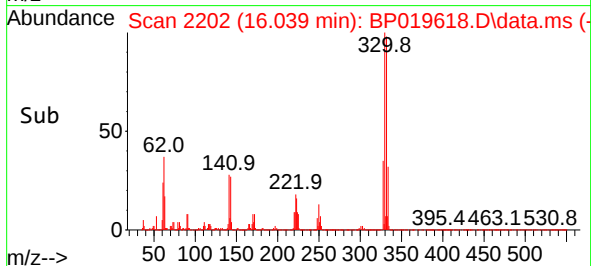
Instrument :
BNA_P
ClientSampleId :
SP-4



Tgt Ion:330 Resp: 347999
Ion Ratio Lower Upper
330 100
332 97.0 77.2 115.8
141 30.6 27.0 40.4

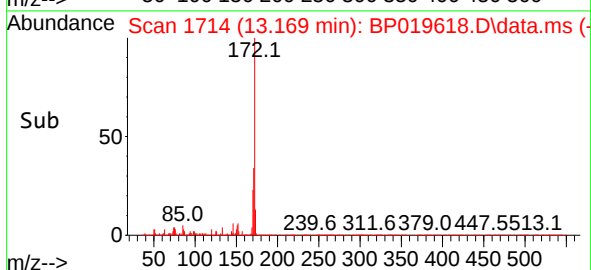
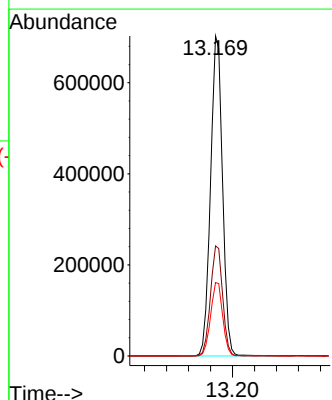
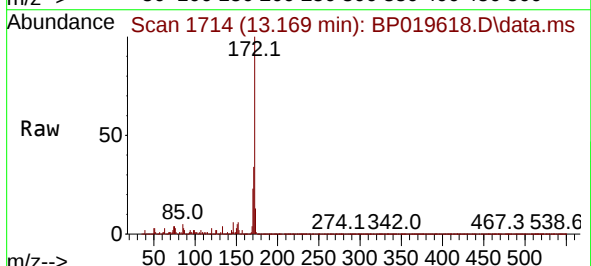
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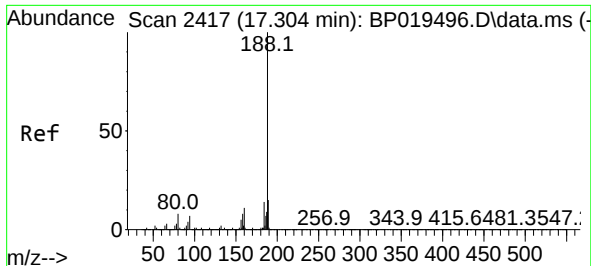
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Supervised By :mohammad ahmed 02/09/2024



#45
2-Fluorobiphenyl
Concen: 53.915 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.011 min
Lab File: BP019618.D
Acq: 08 Feb 2024 20:35

Tgt Ion:172 Resp: 1060237
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.4
170 22.9 18.9 28.3





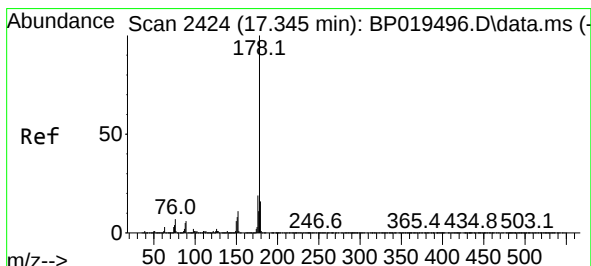
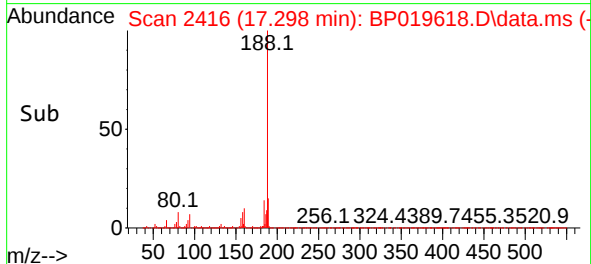
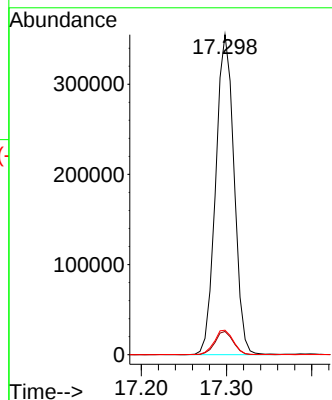
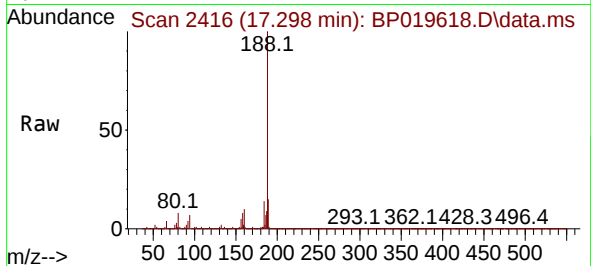
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019618.D
Acq: 08 Feb 2024 20:35

Instrument :
BNA_P
ClientSampleId :
SP-4

Tgt Ion:188 Resp: 52995
Ion Ratio Lower Upper
188 100
94 7.3 5.4 8.2
80 7.6 6.3 9.5

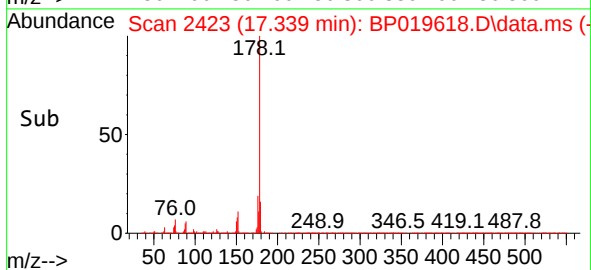
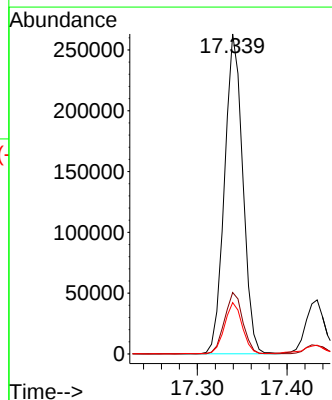
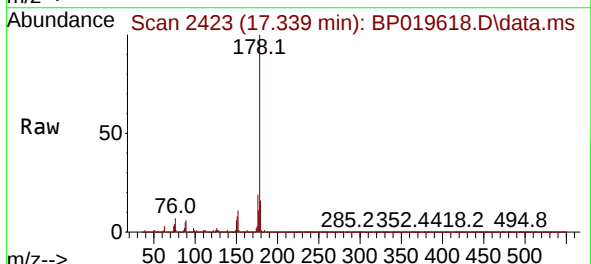
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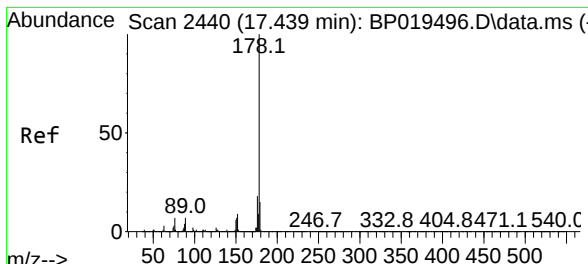
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Supervised By :mohammad ahmed 02/09/2024



#71
Phenanthrene
Concen: 13.320 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP019618.D
Acq: 08 Feb 2024 20:35

Tgt Ion:178 Resp: 371504
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 16.1 12.6 19.0





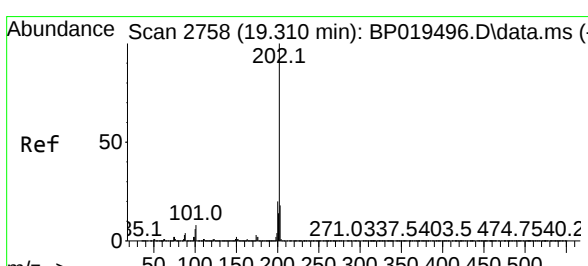
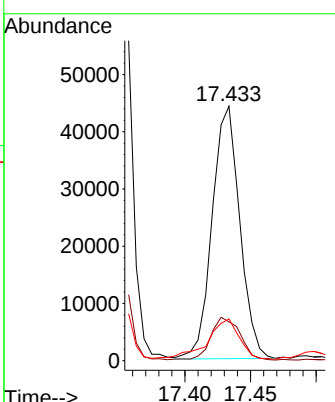
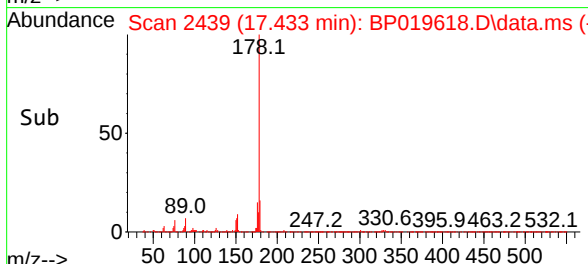
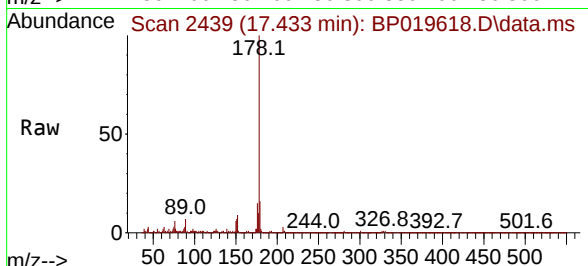
#72
 Anthracene
 Concen: 2.324 ng
 RT: 17.433 min Scan# 2440
 Delta R.T. -0.006 min
 Lab File: BP019618.D
 Acq: 08 Feb 2024 20:35

Instrument : BNA_P
 ClientSampleId : SP-4

Tgt Ion:	178	Resp:	6467
Ion Ratio	Lower	Upper	
178	100		
176	15.3	14.7	22.1
179	16.4	12.2	18.2

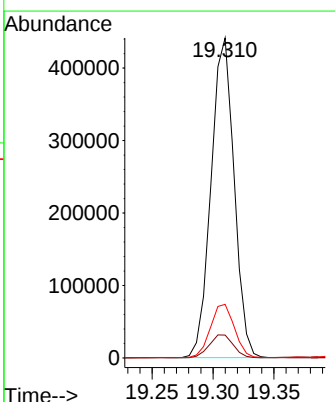
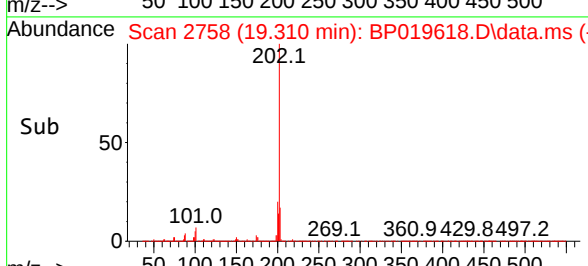
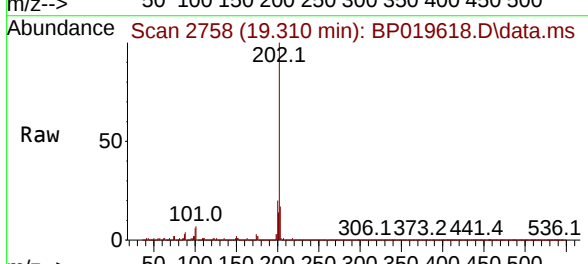
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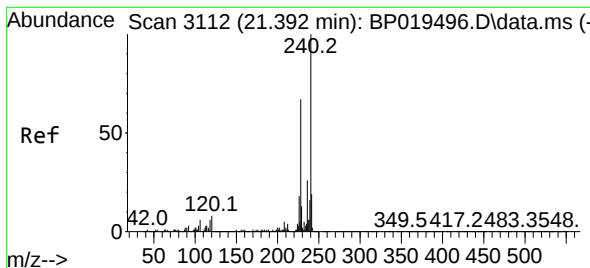
Reviewed By :Jagrut Upadhyay 02/09/2024
 Supervised By :mohammad ahmed 02/09/2024



#75
 Fluoranthene
 Concen: 17.067 ng
 RT: 19.310 min Scan# 2758
 Delta R.T. 0.000 min
 Lab File: BP019618.D
 Acq: 08 Feb 2024 20:35

Tgt Ion:	202	Resp:	581482
Ion Ratio	Lower	Upper	
202	100		
101	7.2	0.0	27.7
203	16.8	0.0	37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP019618.D

Acq: 08 Feb 2024 20:35

Instrument :

BNA_P

ClientSampleId :

SP-4

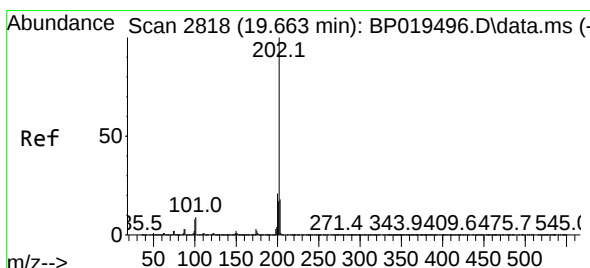
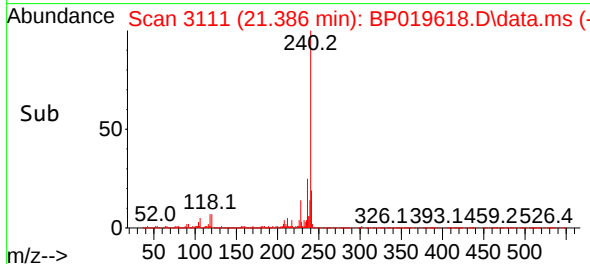
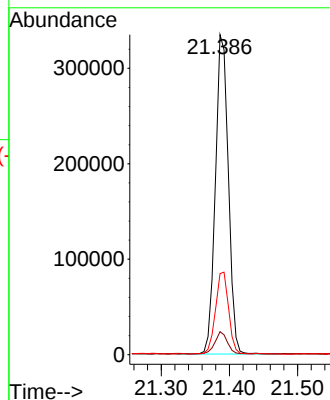
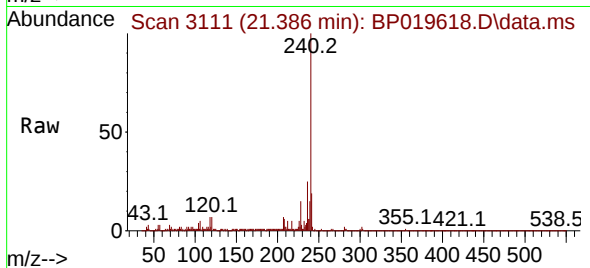
Tgt Ion:240 Resp: 442740

Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.1	9.1
236	25.4	20.7	31.1

Manual Integrations

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#78

Pyrene

Concen: 14.446 ng

RT: 19.663 min Scan# 2818

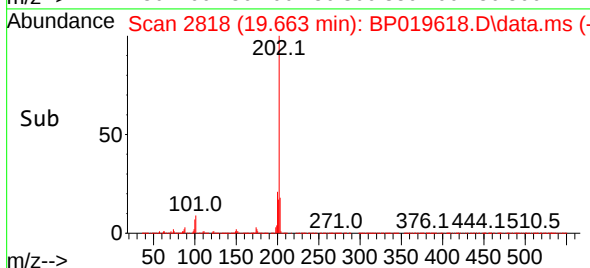
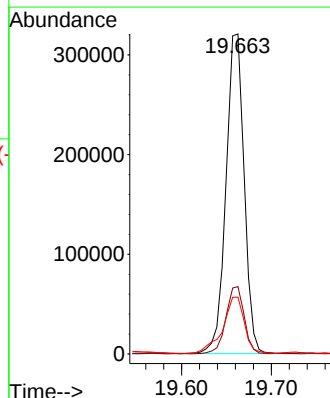
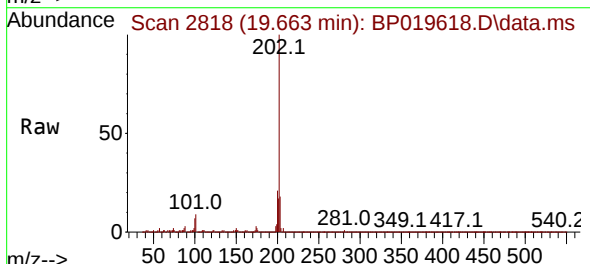
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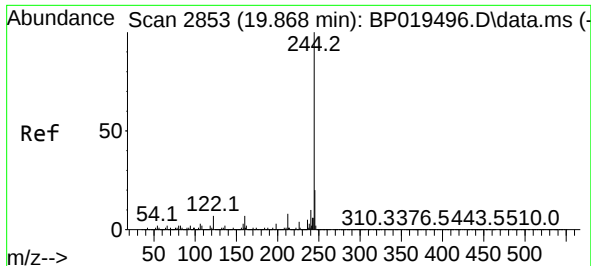
Lab File: BP019618.D

Acq: 08 Feb 2024 20:35

Tgt Ion:202 Resp: 451375

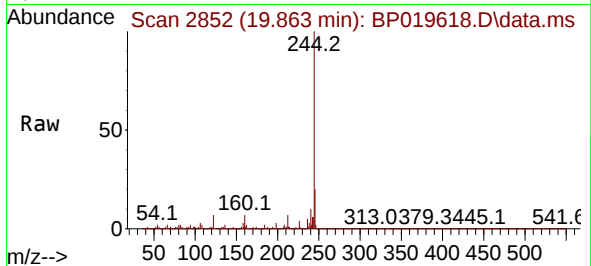
Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.8	14.2	21.2





#79
 Terphenyl-d14
 Concen: 57.015 ng
 RT: 19.863 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019618.D
 Acq: 08 Feb 2024 20:35

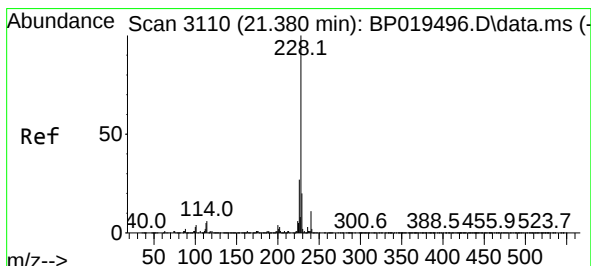
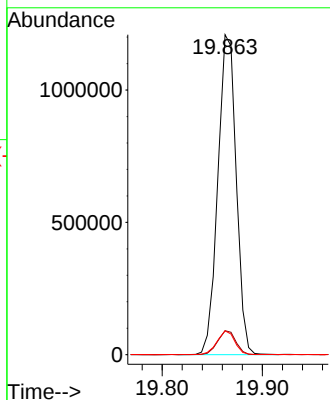
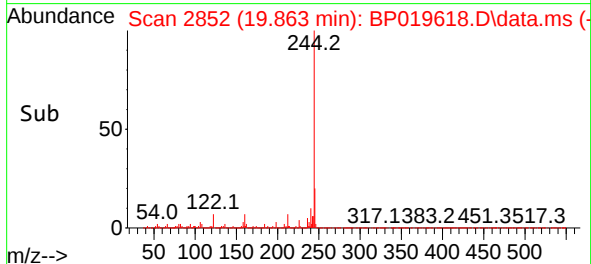
Instrument :
 BNA_P
 ClientSampleId :
 SP-4



Tgt Ion:244 Resp: 1534938
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 7.5 5.9 8.9

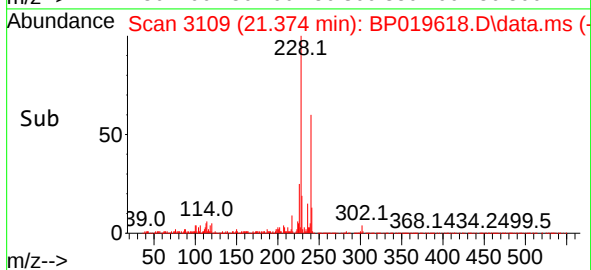
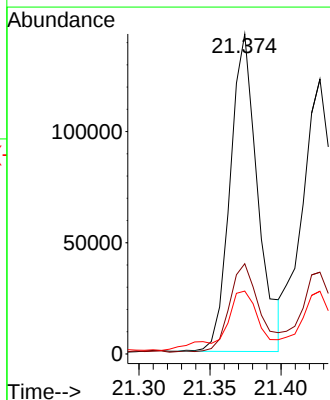
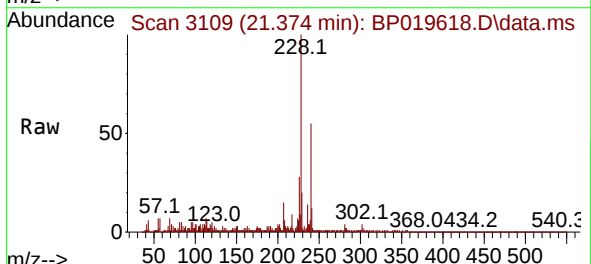
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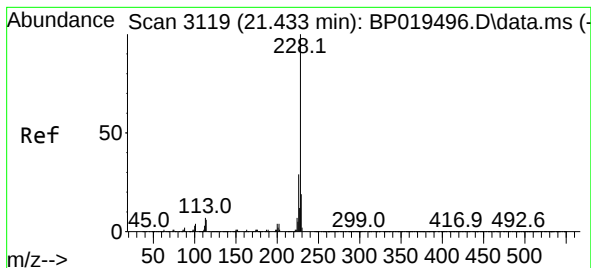
Reviewed By :Jagrut Upadhyay 02/09/2024
 Supervised By :mohammad ahmed 02/09/2024



#81
 Benzo(a)anthracene
 Concen: 6.197 ng
 RT: 21.374 min Scan# 3109
 Delta R.T. -0.006 min
 Lab File: BP019618.D
 Acq: 08 Feb 2024 20:35

Tgt Ion:228 Resp: 193125
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.7 32.5
 229 19.7 15.6 23.4





#83

Chrysene

Concen: 6.183 ng

RT: 21.427 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP019618.D

Acq: 08 Feb 2024 20:35

Instrument :

BNA_P

ClientSampleId :

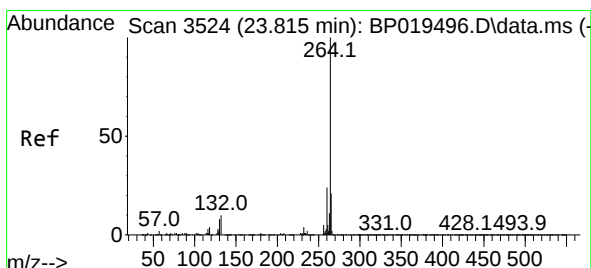
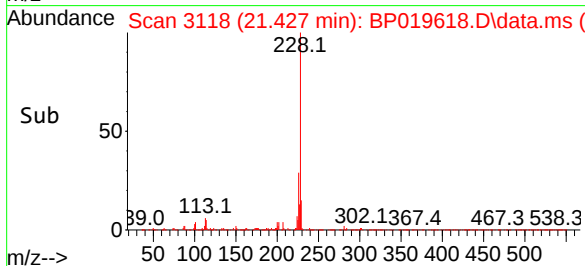
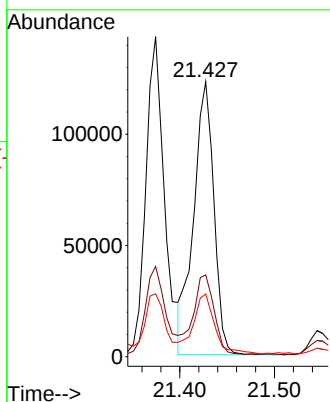
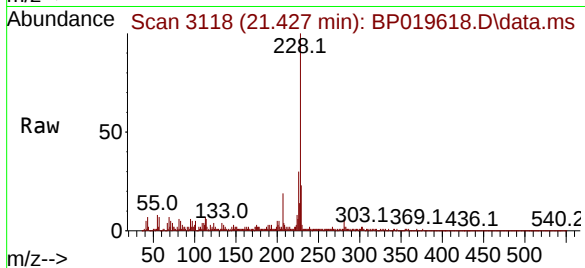
SP-4

Tgt Ion:	228	Resp:	182934
Ion Ratio	Lower	Upper	
228	100		
226	29.7	23.4	35.2
229	22.8	15.6	23.4

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Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#86

Perylene-d12

Concen: 20.000 ng

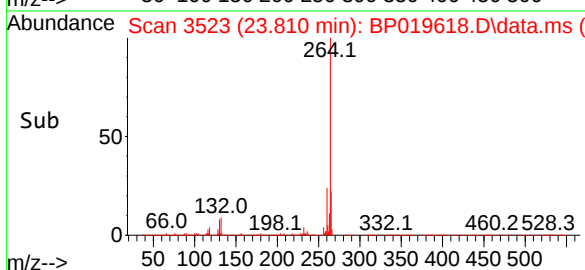
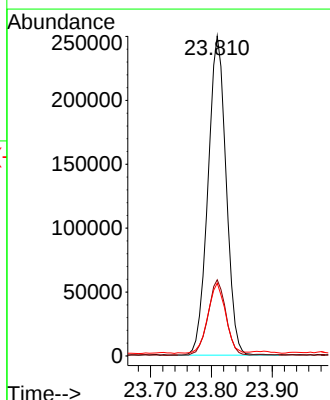
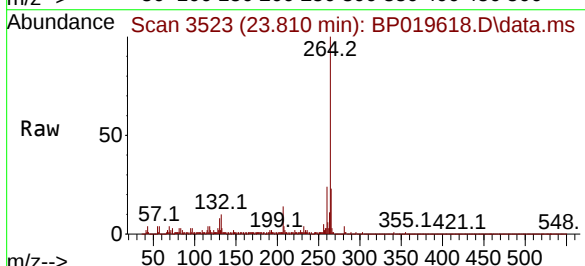
RT: 23.810 min Scan# 3523

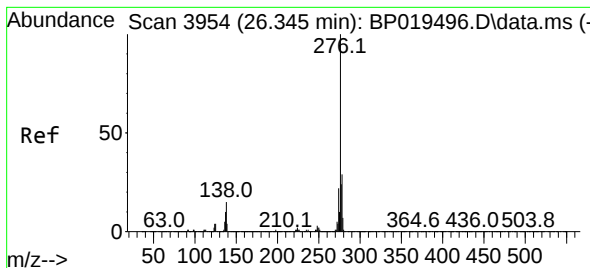
Delta R.T. -0.006 min

Lab File: BP019618.D

Acq: 08 Feb 2024 20:35

Tgt Ion:	264	Resp:	516903
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	22.7	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.037 ng

RT: 26.333 min Scan# 3952

Delta R.T. -0.012 min

Lab File: BP019618.D

Acq: 08 Feb 2024 20:35

Instrument :

BNA_P

ClientSampleId :

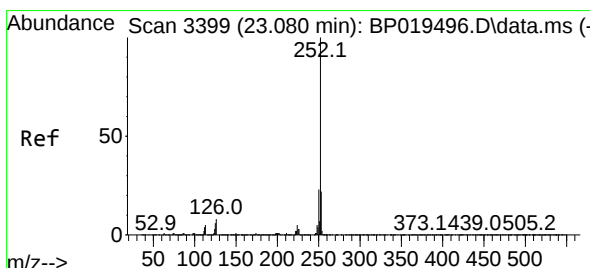
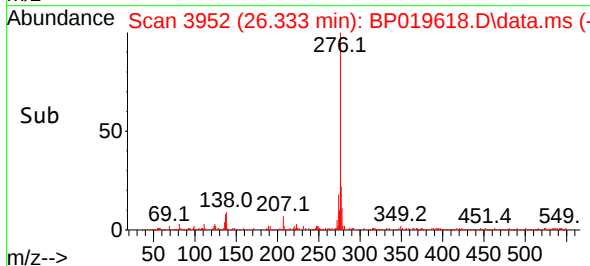
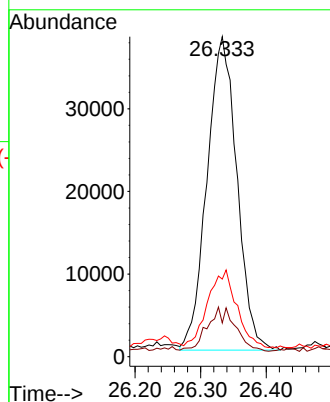
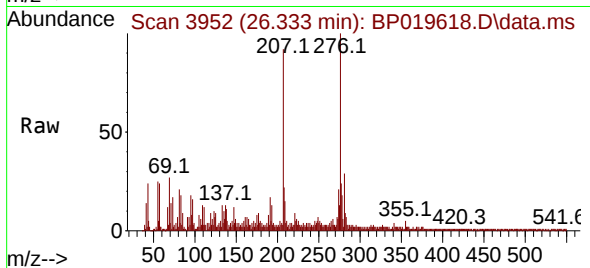
SP-4

Tgt Ion:	276	Resp:	12015
Ion Ratio	Lower	Upper	
276	100		
138	13.2	13.1	19.7
277	24.3	20.3	30.5

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Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#88

Benzo(b)fluoranthene

Concen: 7.497 ng

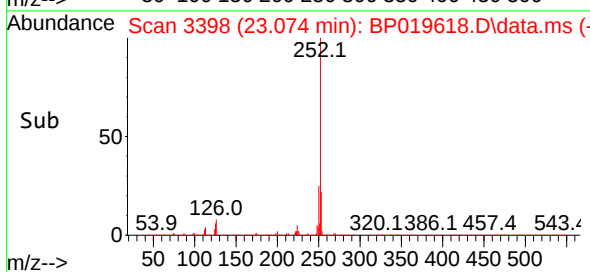
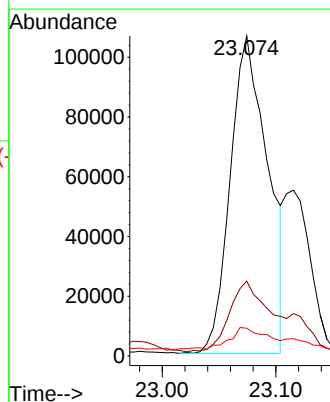
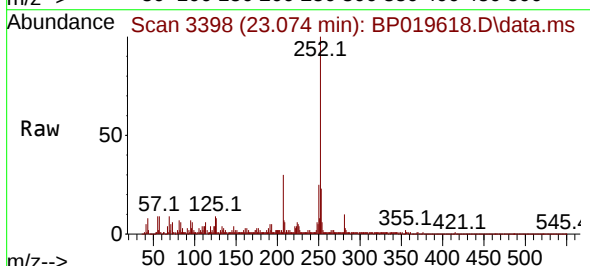
RT: 23.074 min Scan# 3398

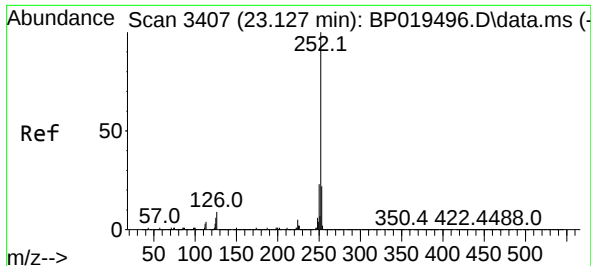
Delta R.T. -0.006 min

Lab File: BP019618.D

Acq: 08 Feb 2024 20:35

Tgt Ion:	252	Resp:	244240
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.3	25.9
125	8.7	4.9	7.3





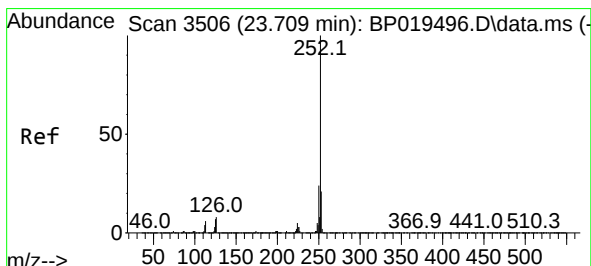
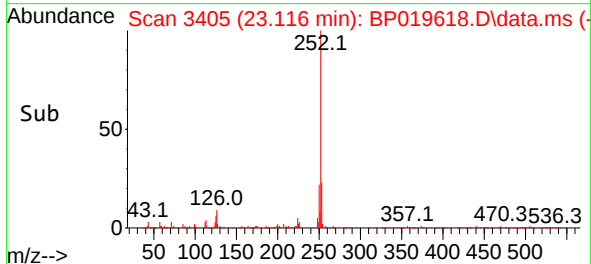
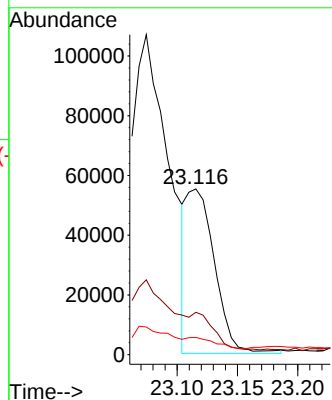
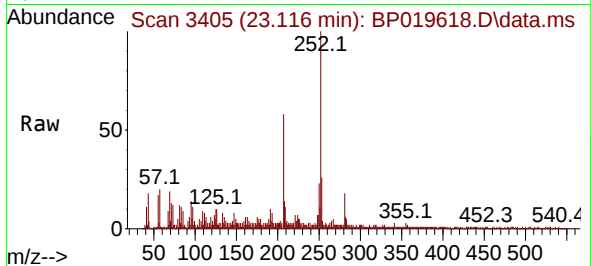
#89
Benzo(k)fluoranthene
Concen: 2.855 ng m
RT: 23.116 min Scan# 3405
Delta R.T. -0.011 min
Lab File: BP019618.D
Acq: 08 Feb 2024 20:35

Instrument :
BNA_P
ClientSampleId :
SP-4

Tgt Ion:252 Resp: 88854
Ion Ratio Lower Upper
252 100
253 25.6 17.1 25.7
125 10.5 5.0 7.6

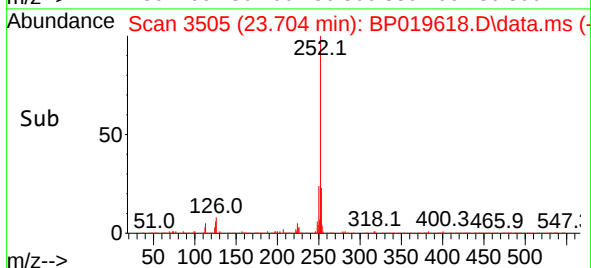
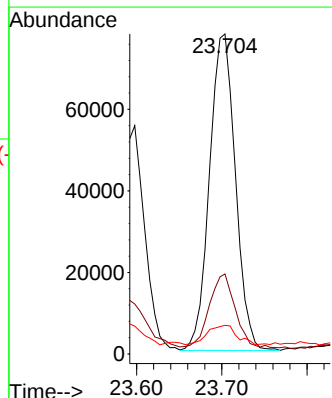
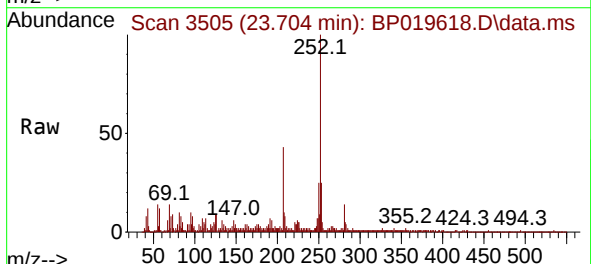
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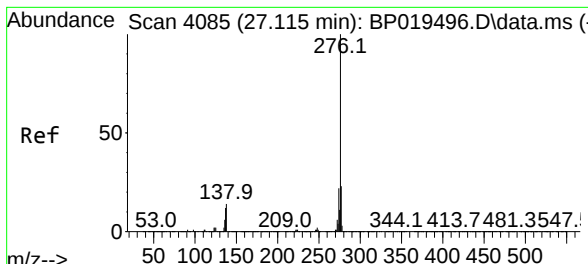
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#90
Benzo(a)pyrene
Concen: 5.660 ng
RT: 23.704 min Scan# 3505
Delta R.T. -0.006 min
Lab File: BP019618.D
Acq: 08 Feb 2024 20:35

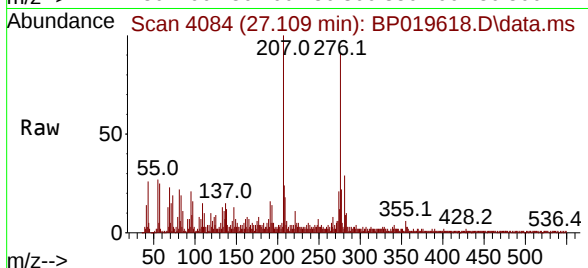
Tgt Ion:252 Resp: 164054
Ion Ratio Lower Upper
252 100
253 25.0 17.1 25.7
125 9.0 5.6 8.4





#92
 Benzo(g,h,i)perylene
 Concen: 3.463 ng
 RT: 27.109 min Scan# 4084
 Delta R.T. -0.006 min
 Lab File: BP019618.D
 Acq: 08 Feb 2024 20:35

Instrument :
 BNA_P
 ClientSampleId :
 SP-4



Tgt Ion: 276 Resp: 114340
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.6 28.0
 138 13.2 10.9 16.3

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Reviewed By :Jagrut Upadhyay 02/09/2024
 Supervised By :mohammad ahmed 02/09/2024

