

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020824\
 Data File : BP019615.D
 Acq On : 08 Feb 2024 18:53
 Operator : MA/JU
 Sample : P1141-03 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EB-4-0-2

Manual Integrations
 APPROVED

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

Quant Time: Feb 09 00:42:26 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	89904	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	349019	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	223464	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	476966	20.000	ng	0.00
76) Chrysene-d12	21.386	240	429170	20.000	ng	0.00
86) Perylene-d12	23.809	264	502750	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	93747	16.808	ng	0.00
7) Phenol-d6	7.081	99	143802	19.122	ng	0.00
23) Nitrobenzene-d5	9.075	82	95490	11.855	ng	-0.01
42) 2,4,6-Tribromophenol	16.033	330	27298	8.367	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	223954	12.389	ng	-0.01
79) Terphenyl-d14	19.863	244	331940	12.720	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.339	178	156966	6.253	ng	99
75) Fluoranthene	19.310	202	309342	10.088	ng	99
78) Pyrene	19.657	202	274918	9.077	ng	99
81) Benzo(a)anthracene	21.374	228	135578	4.488	ng	93
83) Chrysene	21.427	228	142758m	4.977	ng	
84) Bis(2-ethylhexyl)phtha...	21.315	149	45998	2.671	ng	# 93
87) Indeno(1,2,3-cd)pyrene	26.333	276	91217	2.370	ng	# 96
88) Benzo(b)fluoranthene	23.074	252	178855m	5.645	ng	
89) Benzo(k)fluoranthene	23.115	252	60956m	2.014	ng	
90) Benzo(a)pyrene	23.698	252	126970	4.504	ng	# 86
92) Benzo(g,h,i)perylene	27.109	276	94624	2.947	ng	92

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

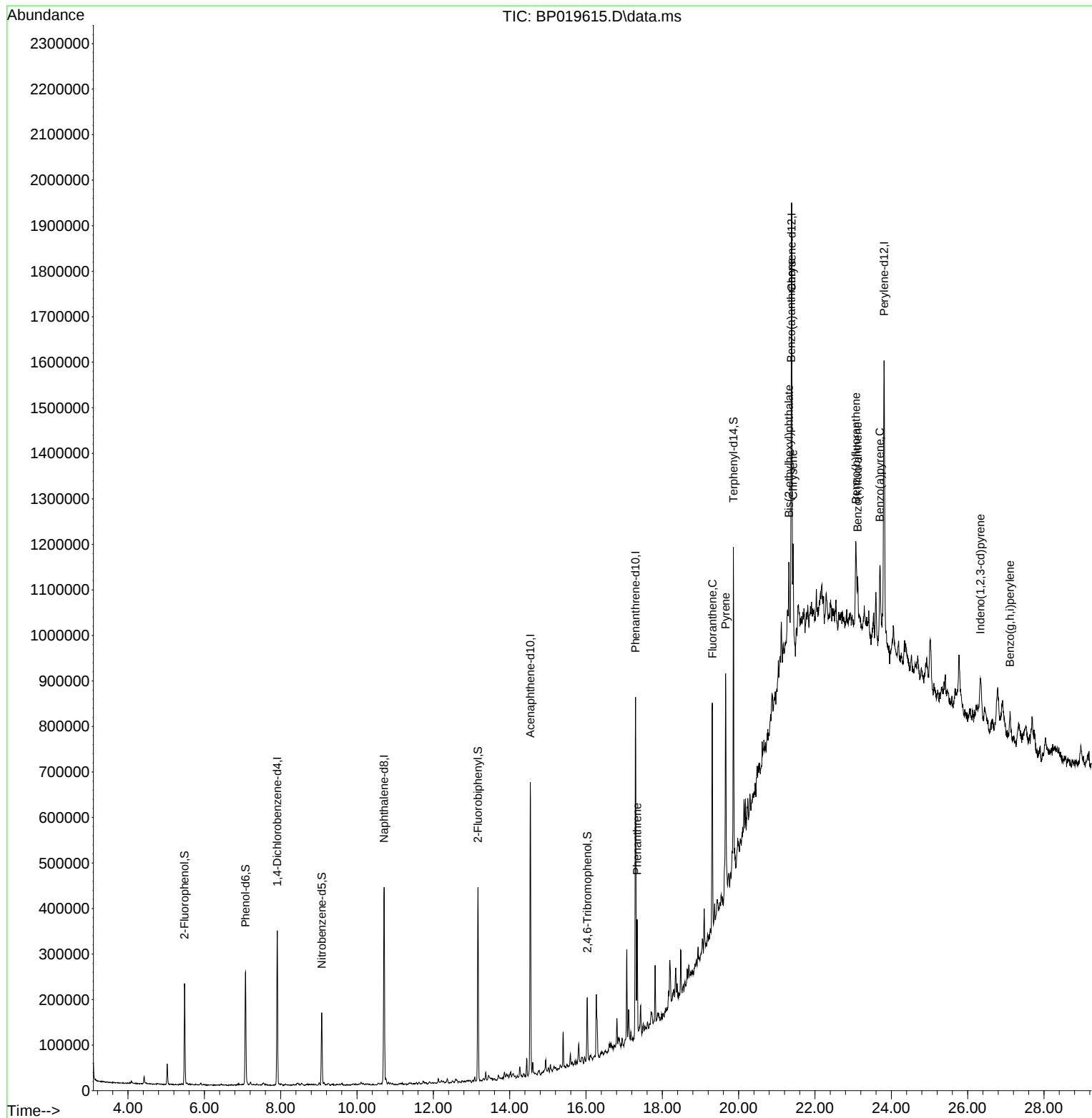
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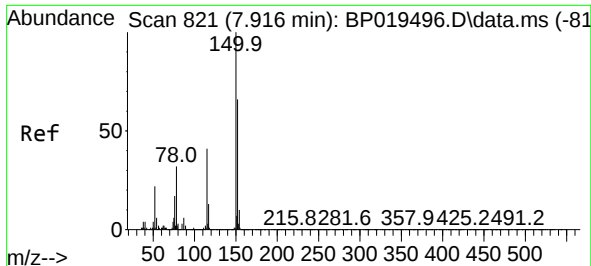
Instrument :
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ClientSampleId :
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Quant Time: Feb 09 00:42:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
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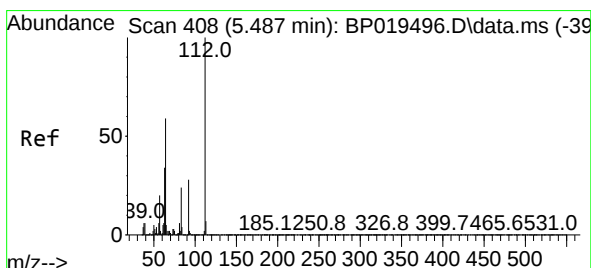
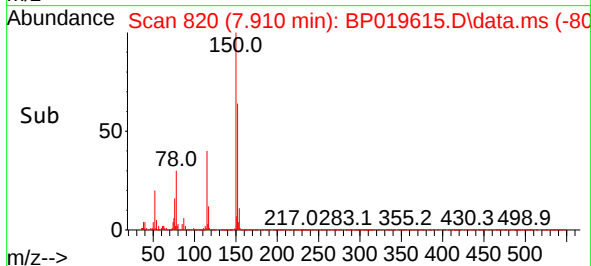
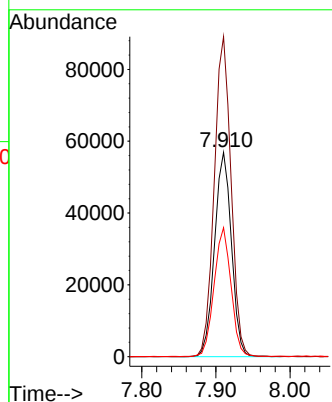
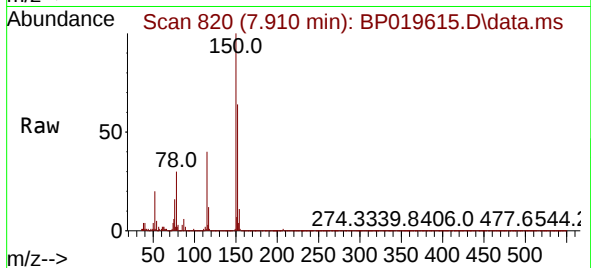
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

Instrument :
BNA_P
ClientSampleId :
EB-4-0-2

Tgt Ion:152 Resp: 89904
Ion Ratio Lower Upper
152 100
150 156.6 121.8 182.8
115 63.1 49.9 74.9

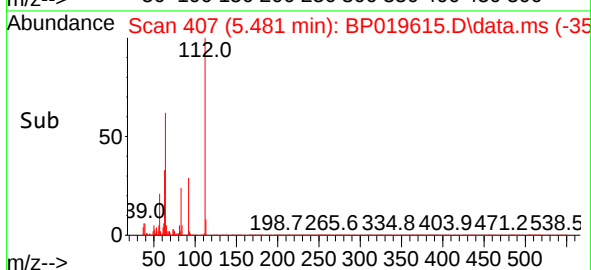
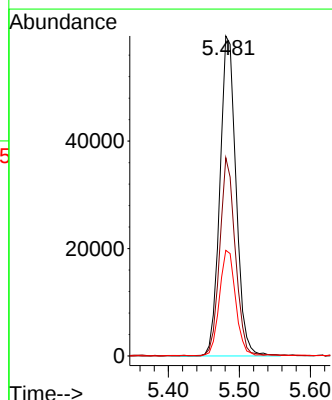
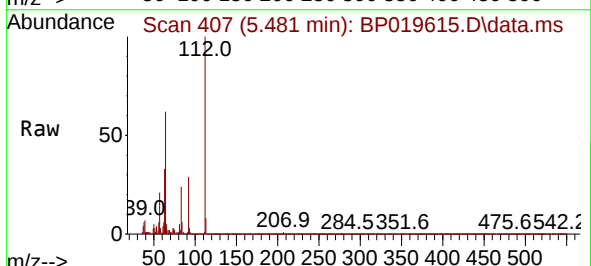
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#5
2-Fluorophenol
Concen: 16.808 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

Tgt Ion:112 Resp: 93747
Ion Ratio Lower Upper
112 100
64 62.0 47.4 71.0
63 33.0 27.0 40.6





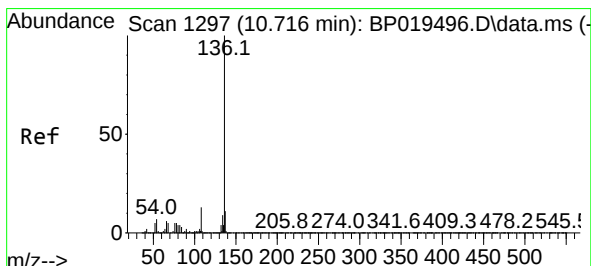
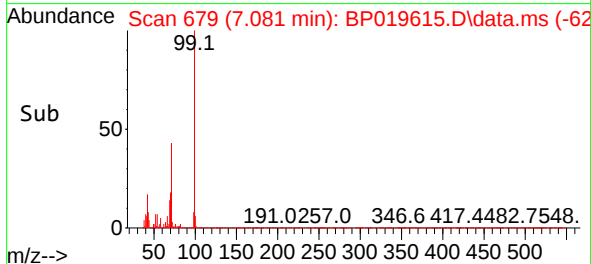
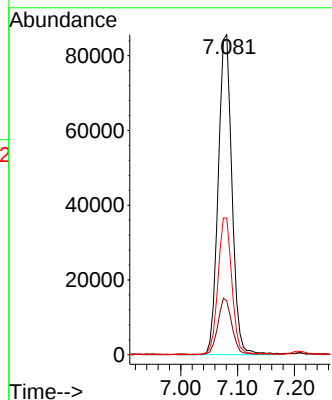
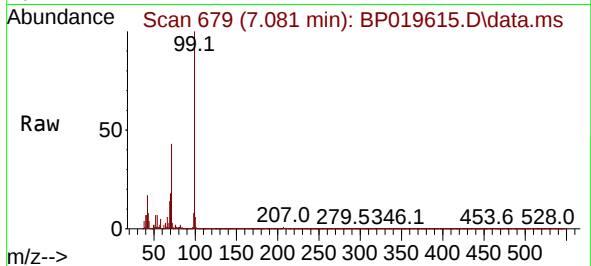
#7
Phenol-d6
Concen: 19.122 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

Instrument :
BNA_P
ClientSampleId :
EB-4-0-2

Tgt Ion: 99 Resp: 14380
Ion Ratio Lower Upper
99 100
42 16.9 14.7 22.1
71 42.7 34.8 52.2

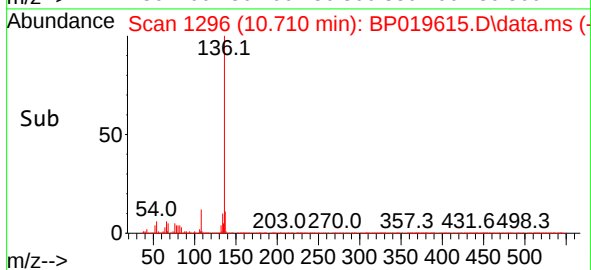
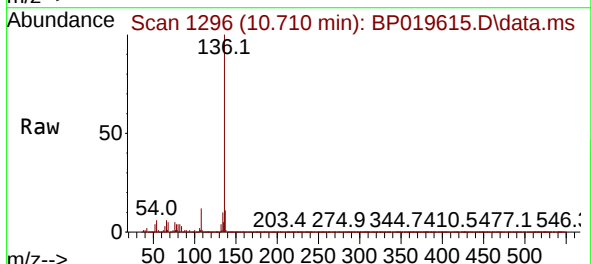
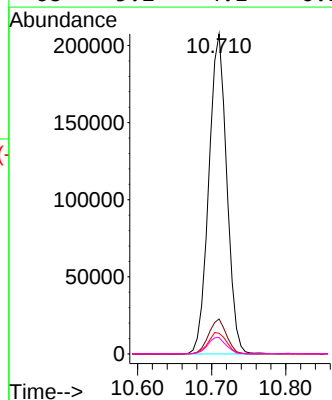
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

Tgt Ion:136 Resp: 349019
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.5 5.3 7.9
68 5.2 4.1 6.1





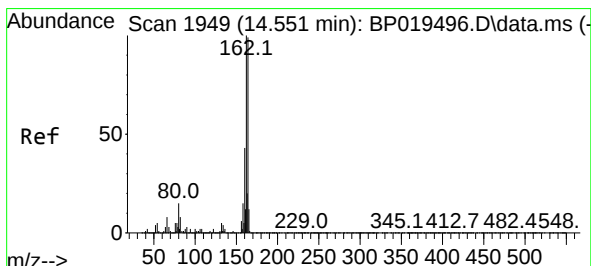
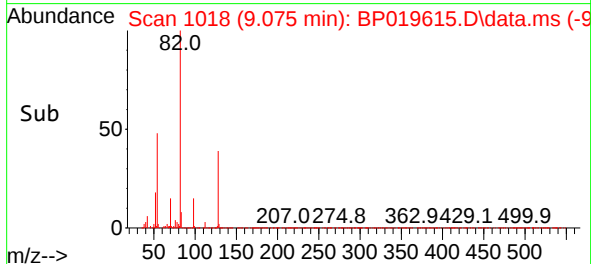
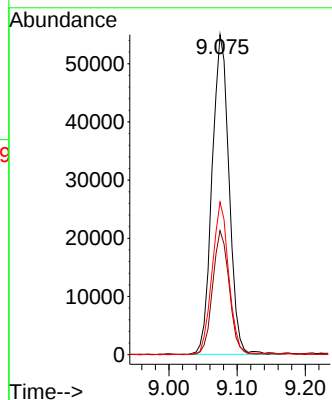
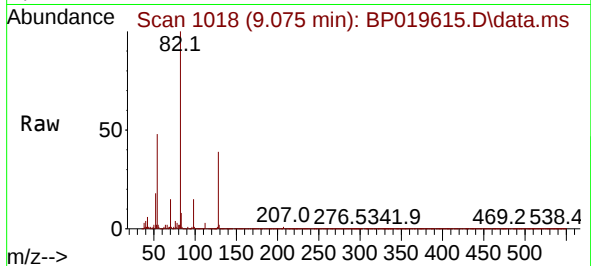
#23
Nitrobenzene-d5
Concen: 11.855 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

Instrument :
BNA_P
ClientSampleId :
EB-4-0-2

Tgt Ion: 82 Resp: 95490
Ion Ratio Lower Upper
82 100
128 38.7 29.7 44.5
54 47.7 36.8 55.2

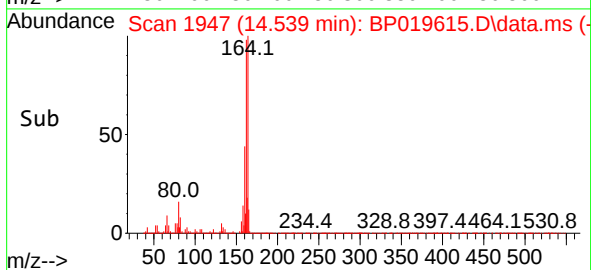
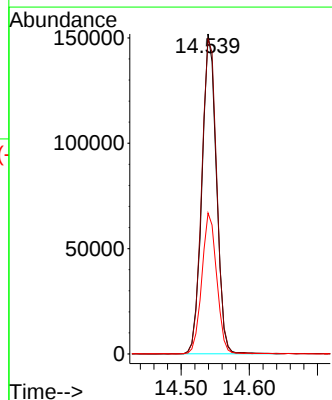
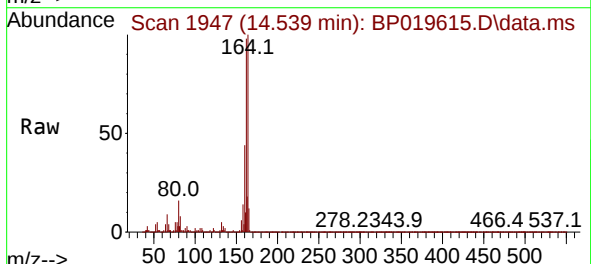
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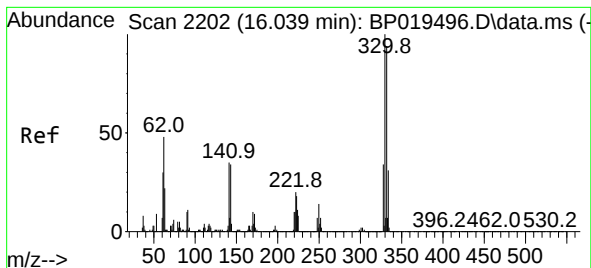
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

Tgt Ion:164 Resp: 223464
Ion Ratio Lower Upper
164 100
162 98.4 81.2 121.8
160 44.1 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 8.367 ng

RT: 16.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

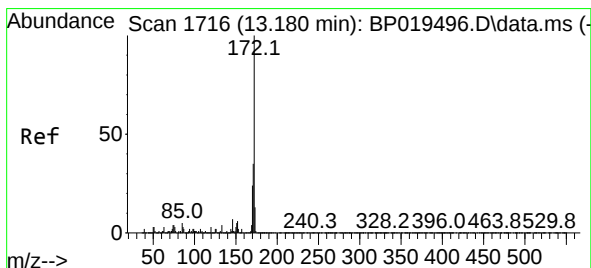
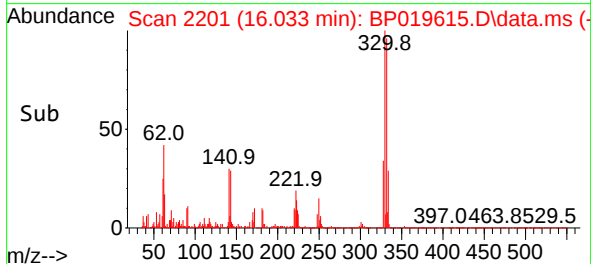
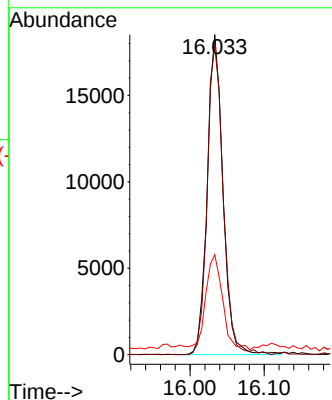
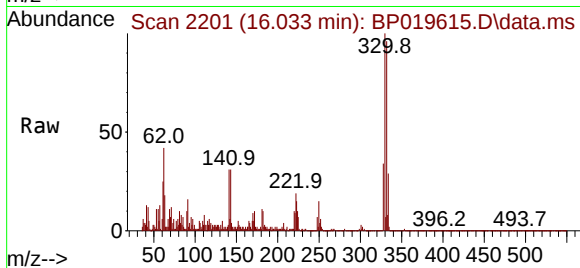
EB-4-0-2

Tgt Ion:	330	Resp:	27298
Ion Ratio	Lower	Upper	
330	100		
332	98.7	77.2	115.8
141	31.7	27.0	40.4

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Supervised By :mohammad ahmed 02/09/2024



#45

2-Fluorobiphenyl

Concen: 12.389 ng

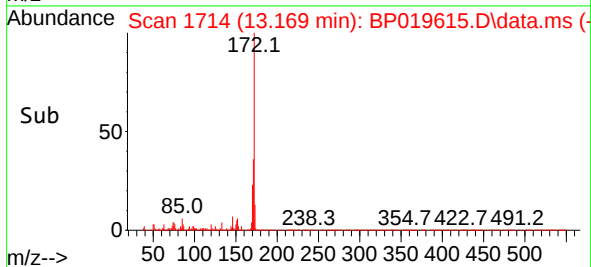
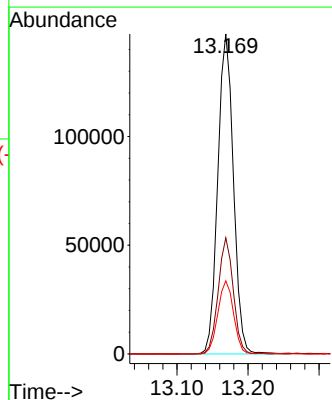
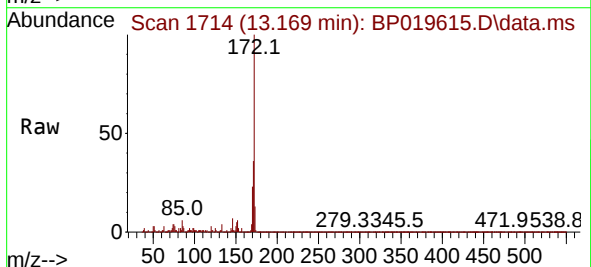
RT: 13.169 min Scan# 1714

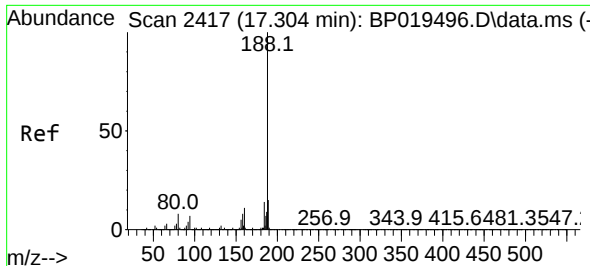
Delta R.T. -0.012 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

Tgt Ion:	172	Resp:	223954
Ion Ratio	Lower	Upper	
172	100		
171	36.3	28.2	42.4
170	22.8	18.9	28.3





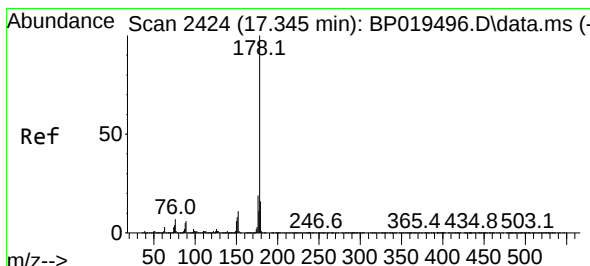
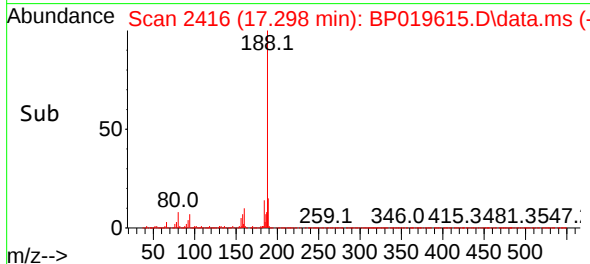
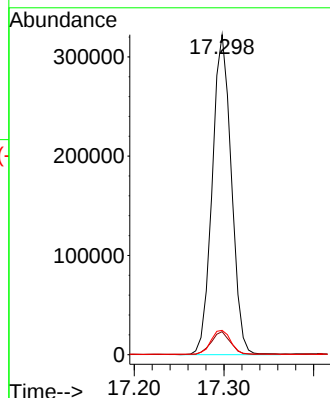
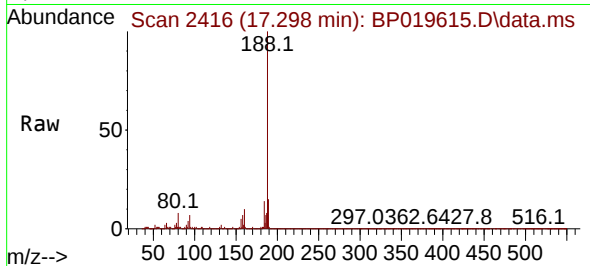
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

Instrument :
BNA_P
ClientSampleId :
EB-4-0-2

Tgt Ion:188 Resp: 476960
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.2
80 7.6 6.3 9.5

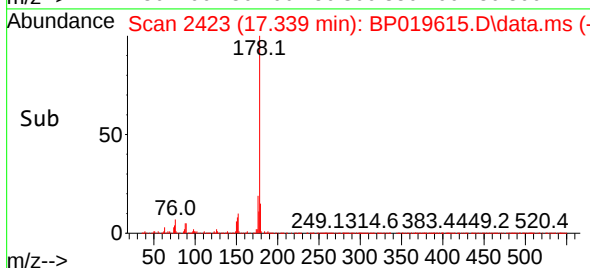
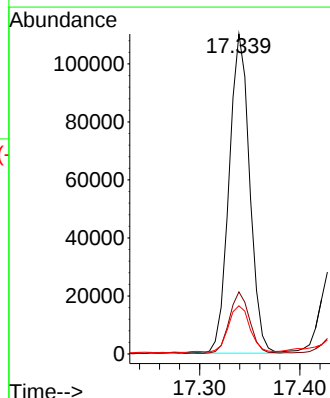
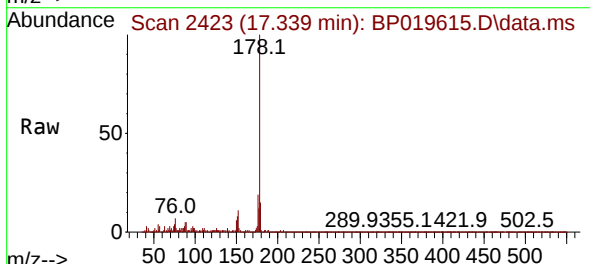
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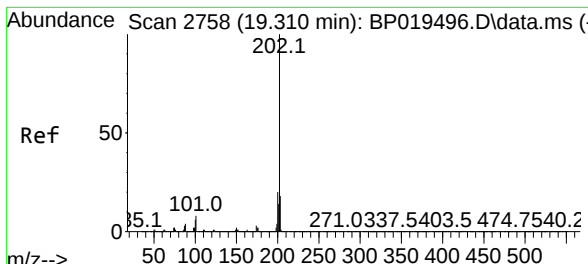
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#71
Phenanthrene
Concen: 6.253 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

Tgt Ion:178 Resp: 156966
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.1 12.6 19.0





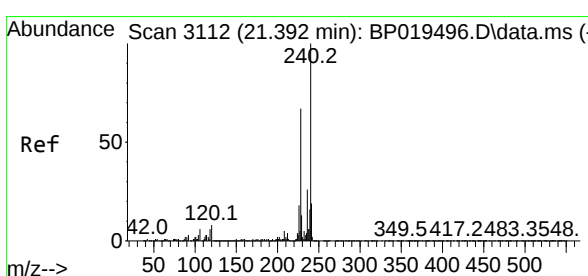
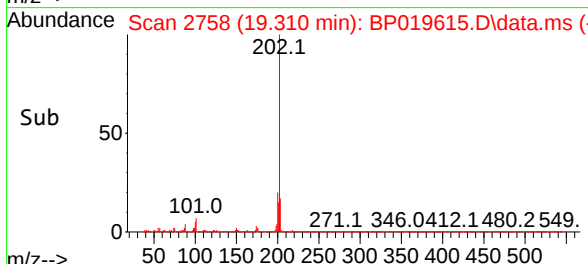
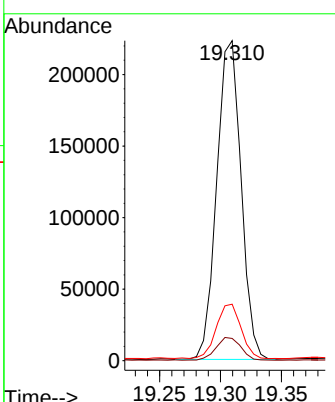
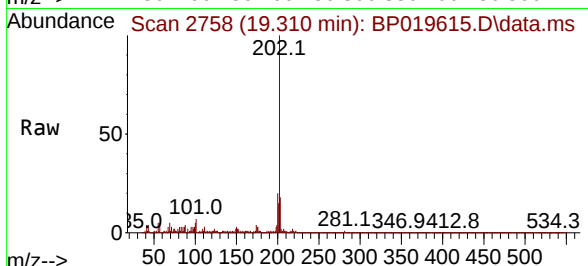
#75
Fluoranthene
Concen: 10.088 ng
RT: 19.310 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

Instrument :
BNA_P
ClientSampleId :
EB-4-0-2

Tgt Ion:	202	Resp:	30934
Ion Ratio	Lower	Upper	
202	100		
101	7.0	0.0	27.7
203	17.6	0.0	37.5

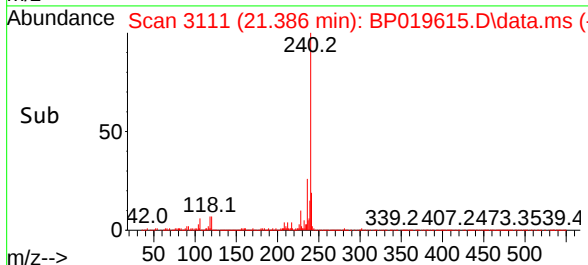
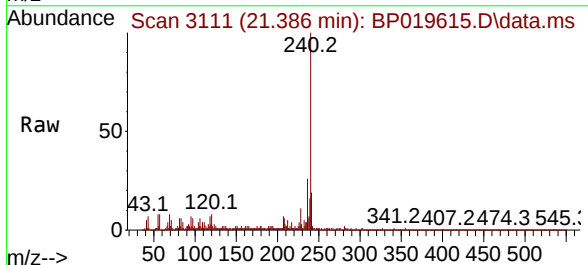
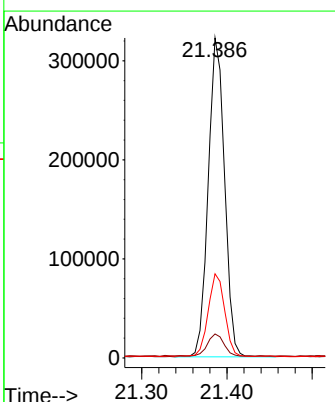
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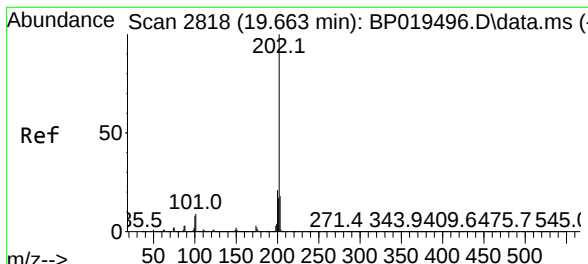
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

Tgt Ion:	240	Resp:	429170
Ion Ratio	Lower	Upper	
240	100		
120	7.5	6.1	9.1
236	26.3	20.7	31.1





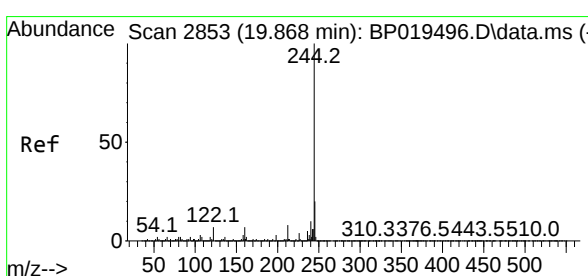
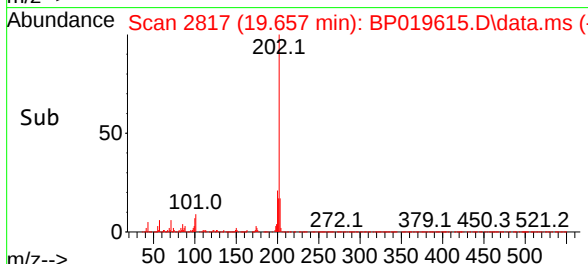
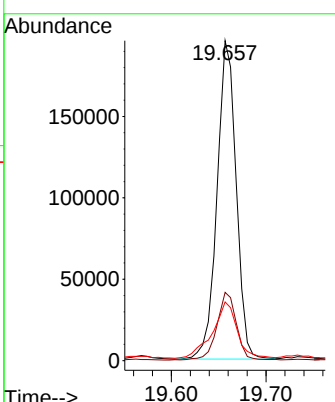
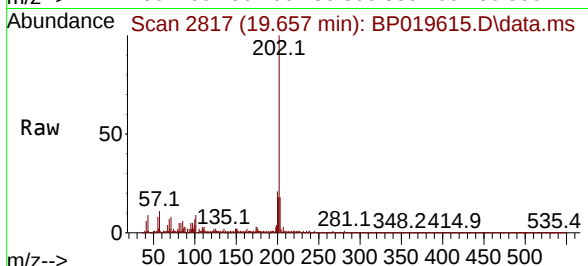
#78
 Pyrene
 Concen: 9.077 ng
 RT: 19.657 min Scan# 2817
 Delta R.T. -0.006 min
 Lab File: BP019615.D
 Acq: 08 Feb 2024 18:53

Instrument : BNA_P
 ClientSampleId : EB-4-0-2

Tgt Ion:	202	Resp:	274918
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.9	25.3
203	18.4	14.2	21.2

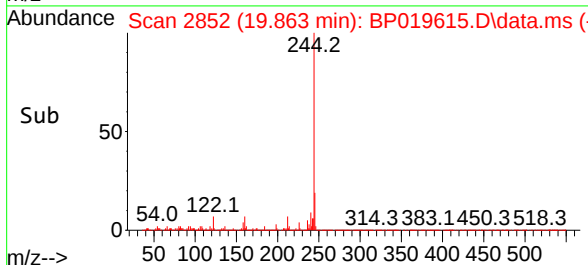
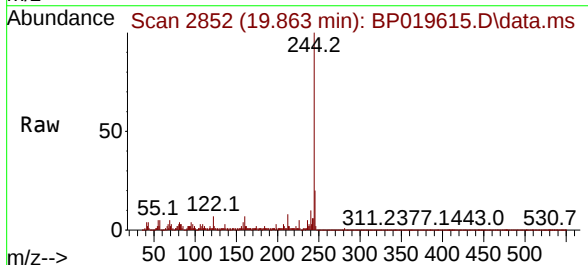
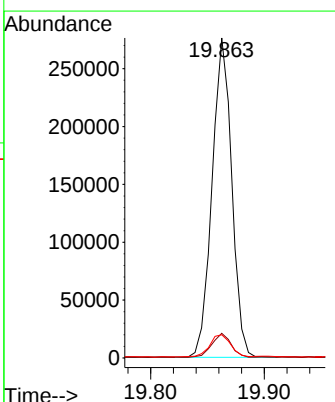
Manual Integrations
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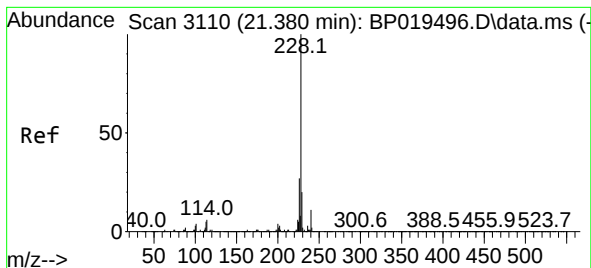
Reviewed By :Jagrut Upadhyay 02/09/2024
 Supervised By :mohammad ahmed 02/09/2024



#79
 Terphenyl-d14
 Concen: 12.720 ng
 RT: 19.863 min Scan# 2852
 Delta R.T. -0.006 min
 Lab File: BP019615.D
 Acq: 08 Feb 2024 18:53

Tgt Ion:	244	Resp:	331940
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.1	9.1
122	7.2	5.9	8.9





#81

Benzo(a)anthracene

Concen: 4.488 ng

RT: 21.374 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

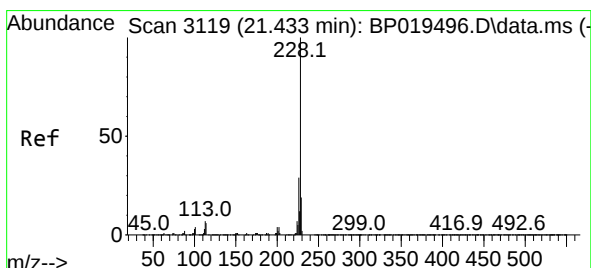
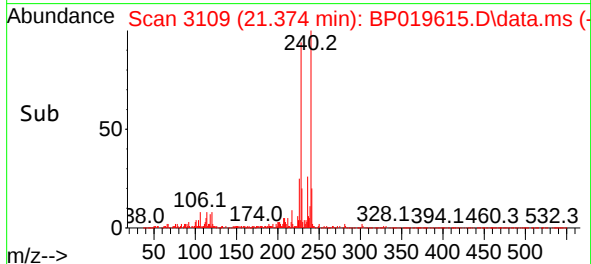
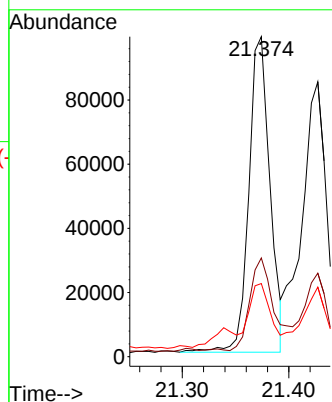
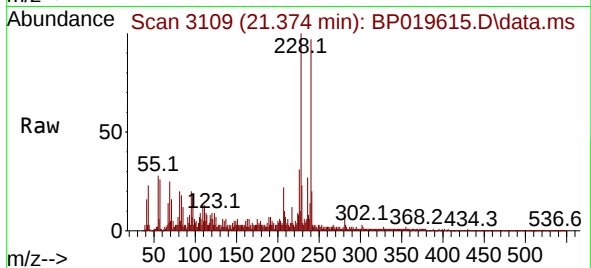
EB-4-0-2

Tgt Ion:228 Resp: 135578
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.7 32.5
 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



#83

Chrysene

Concen: 4.977 ng m

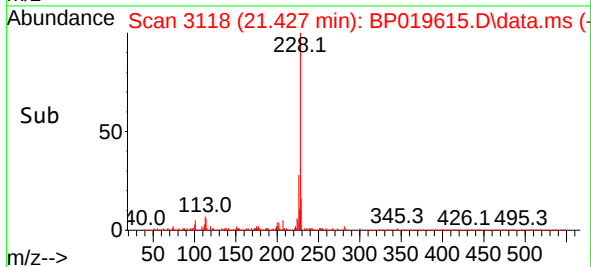
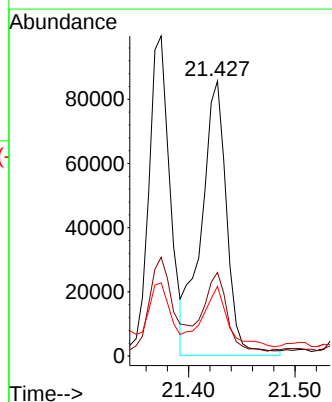
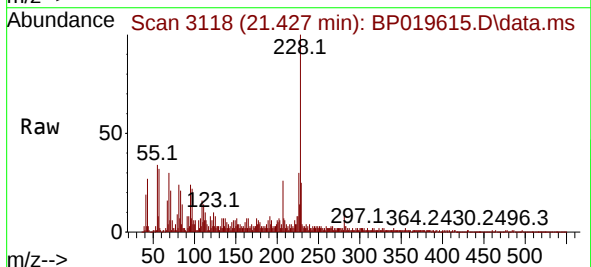
RT: 21.427 min Scan# 3118

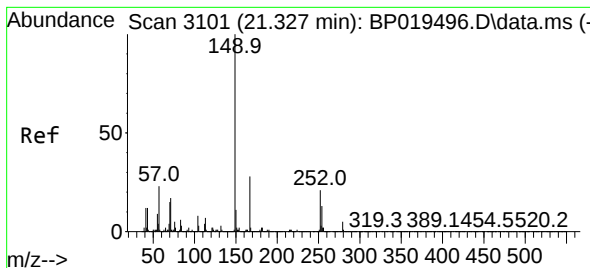
Delta R.T. -0.006 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

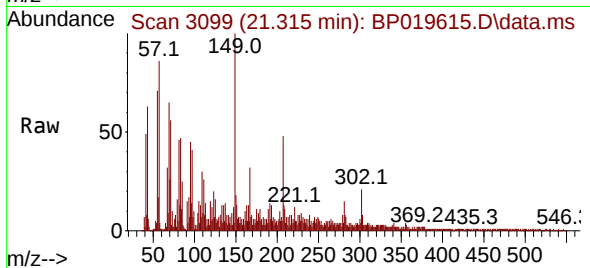
Tgt Ion:228 Resp: 142758
 Ion Ratio Lower Upper
 228 100
 226 30.4 23.4 35.2
 229 25.3 15.6 23.4#





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.671 ng
RT: 21.315 min Scan# 3099
Delta R.T. -0.012 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

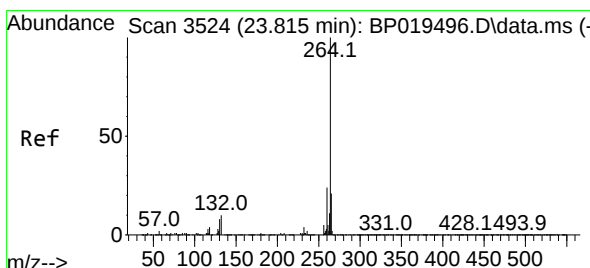
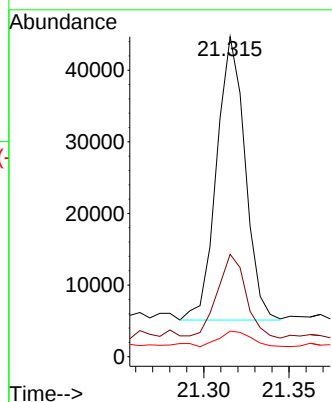
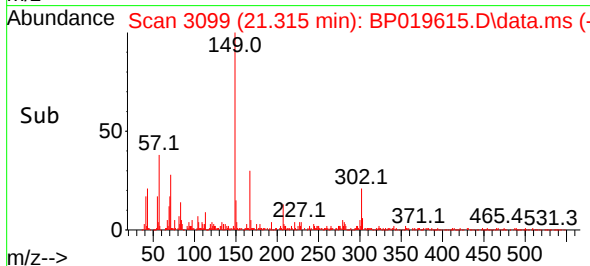
Instrument :
BNA_P
ClientSampleId :
EB-4-0-2



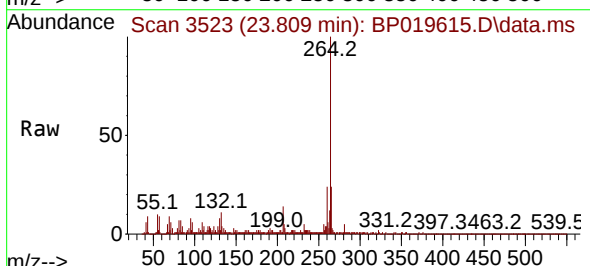
Tgt Ion:149 Resp: 45998
Ion Ratio Lower Upper
149 100
167 32.0 22.7 34.1
279 8.0 4.2 6.2

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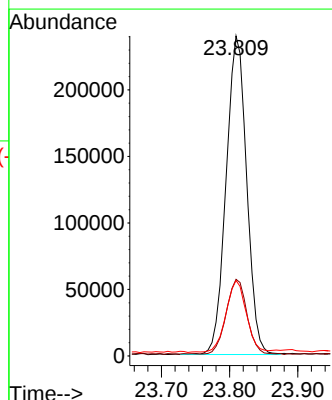
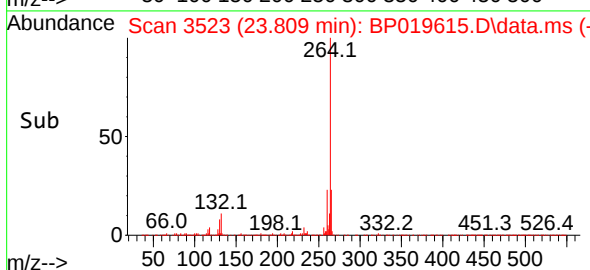
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024

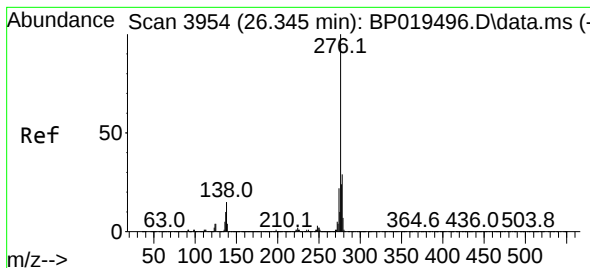


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.809 min Scan# 3523
Delta R.T. -0.006 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53



Tgt Ion:264 Resp: 502750
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 23.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.370 ng

RT: 26.333 min Scan# 3952

Delta R.T. -0.012 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

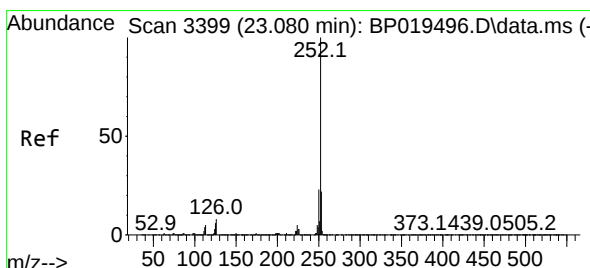
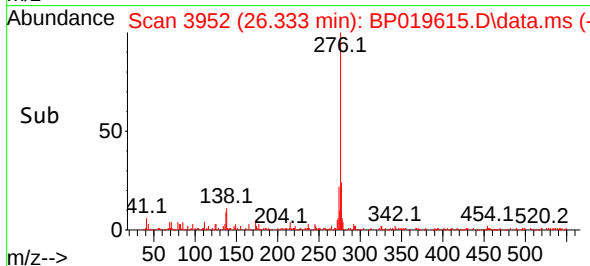
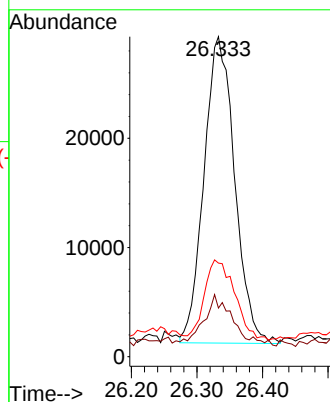
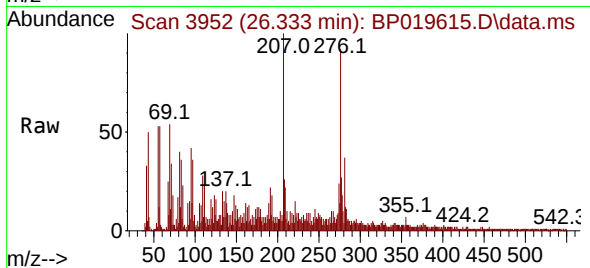
EB-4-0-2

Tgt Ion:	276	Resp:	9121
Ion Ratio	Lower	Upper	
276	100		
138	12.4	13.1	19.7
277	25.9	20.3	30.5

Manual Integrations

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



#88

Benzo(b)fluoranthene

Concen: 5.645 ng m

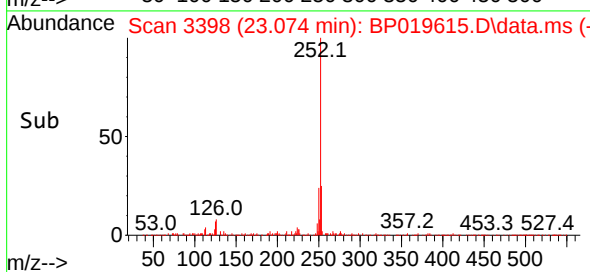
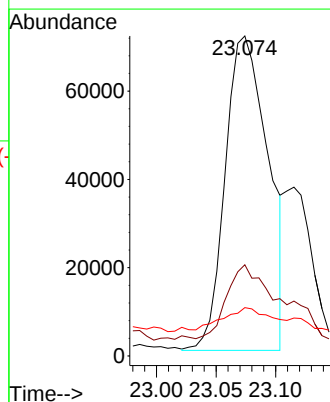
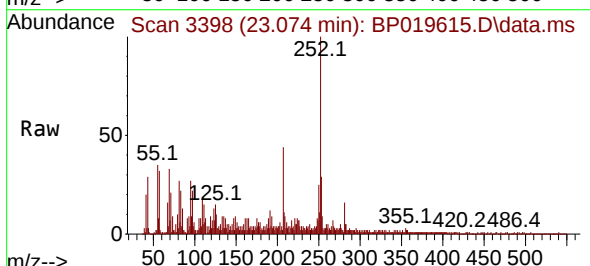
RT: 23.074 min Scan# 3398

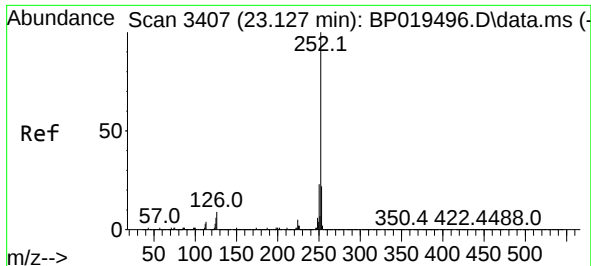
Delta R.T. -0.006 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

Tgt Ion:	252	Resp:	178855
Ion Ratio	Lower	Upper	
252	100		
253	28.5	17.3	25.9
125	15.1	4.9	7.3





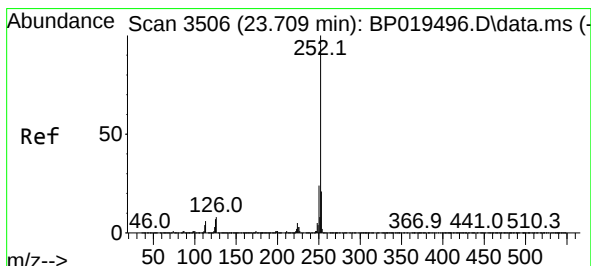
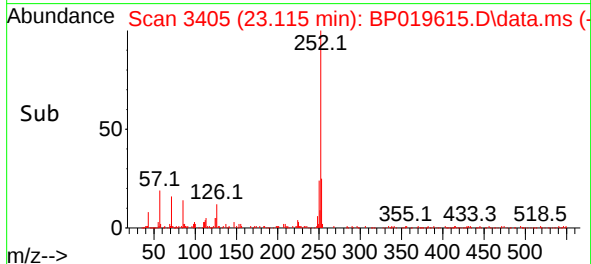
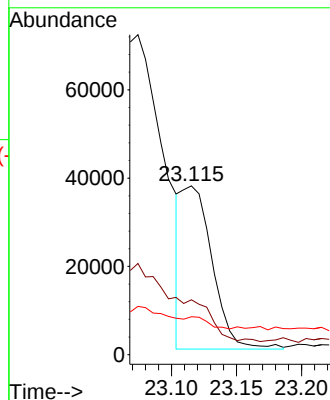
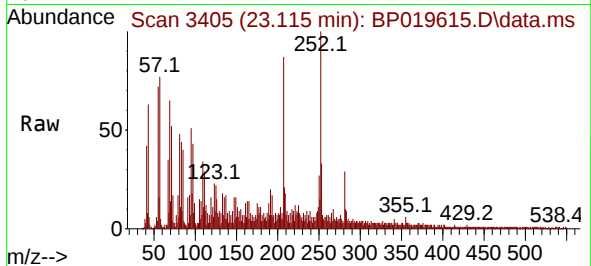
#89
Benzo(k)fluoranthene
Concen: 2.014 ng m
RT: 23.115 min Scan# 3405
Delta R.T. -0.012 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

Instrument : BNA_P
ClientSampleId : EB-4-0-2

Tgt Ion:252 Resp: 60950
Ion Ratio Lower Upper
252 100
253 32.5 17.1 25.7#
125 22.5 5.0 7.6#

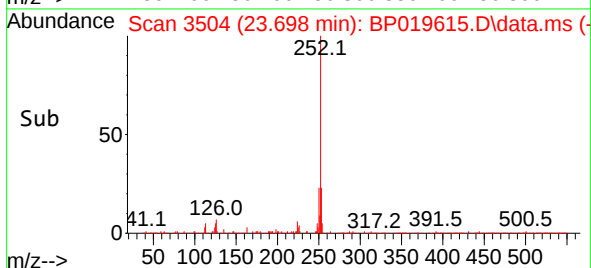
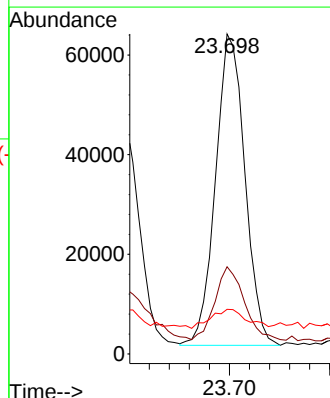
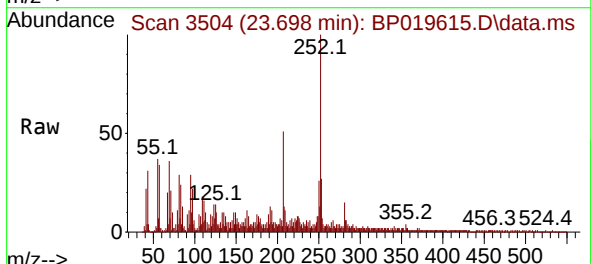
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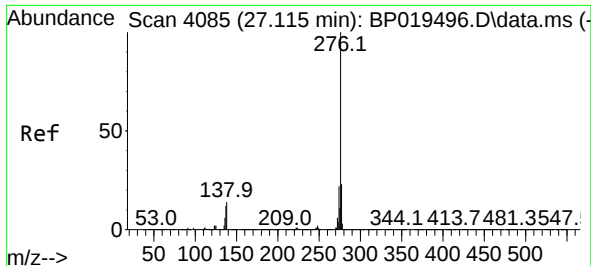
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#90
Benzo(a)pyrene
Concen: 4.504 ng
RT: 23.698 min Scan# 3504
Delta R.T. -0.012 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

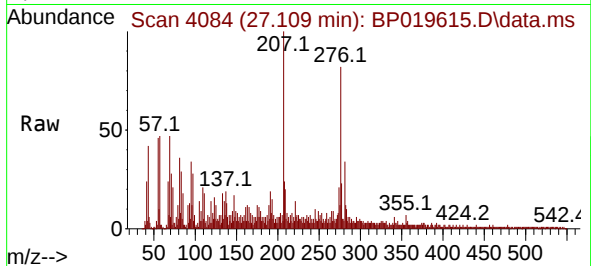
Tgt Ion:252 Resp: 126970
Ion Ratio Lower Upper
252 100
253 27.3 17.1 25.7#
125 14.0 5.6 8.4#





#92
Benzo(g,h,i)perylene
Concen: 2.947 ng
RT: 27.109 min Scan# 4084
Delta R.T. -0.006 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

Instrument :
BNA_P
ClientSampleId :
EB-4-0-2



Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.9	18.6	28.0
138	15.4	10.9	16.3

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

