

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021324\
 Data File : BP019691.D
 Acq On : 13 Feb 2024 22:48
 Operator : MA/JU
 Sample : P1449-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ETGI-362

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/15/2024
 Supervised By :mohammad ahmed 02/15/2024

Quant Time: Feb 14 13:27:04 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	7.905	152	76344	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	283169	20.000	ng	-0.01
39) Acenaphthene-d10	14.539	164	192983	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	449943	20.000	ng	0.00
76) Chrysene-d12	21.392	240	415427	20.000	ng	0.00
86) Perylene-d12	23.810	264	488951	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	379041	80.030	ng	0.00
7) Phenol-d6	7.081	99	501373	78.510	ng	0.00
23) Nitrobenzene-d5	9.075	82	346438	53.013	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	308115	109.350	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	813828	52.133	ng	-0.01
79) Terphenyl-d14	19.863	244	1381216	54.678	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.339	178	178309	7.530	ng	99
75) Fluoranthene	19.310	202	472778	16.344	ng	99
78) Pyrene	19.663	202	398767	13.601	ng	100
81) Benzo(a)anthracene	21.374	228	215098	7.356	ng	97
83) Chrysene	21.427	228	213570	7.692	ng	97
87) Indeno(1,2,3-cd)pyrene	26.339	276	136965	3.659	ng	# 95
88) Benzo(b)fluoranthene	23.074	252	300335	9.746	ng	# 96
89) Benzo(k)fluoranthene	23.074	252	300335	10.203	ng	# 96
90) Benzo(a)pyrene	23.704	252	195995	7.148	ng	96
92) Benzo(g,h,i)perylene	27.115	276	127804	4.092	ng	96

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

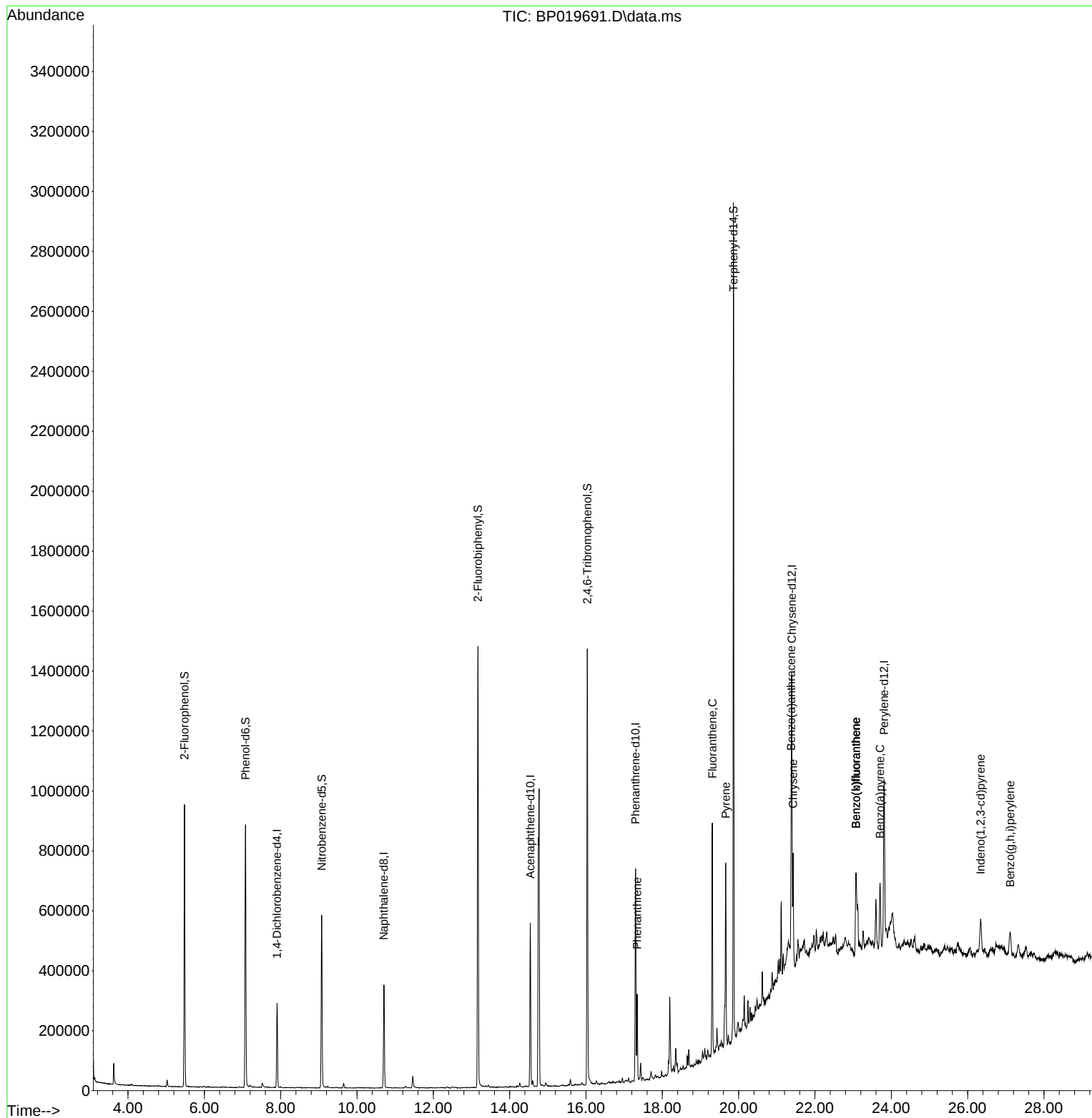
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021324\
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ALS Vial : 15 Sample Multiplier: 1

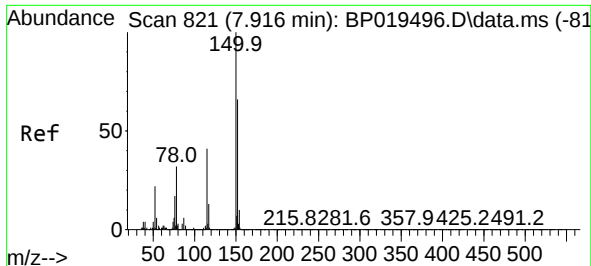
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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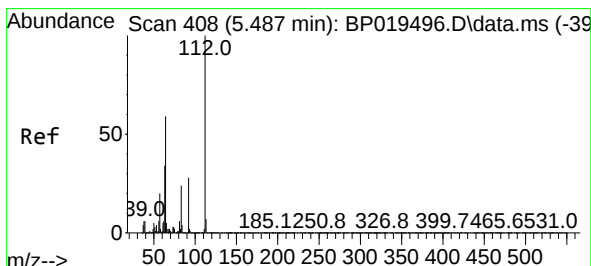
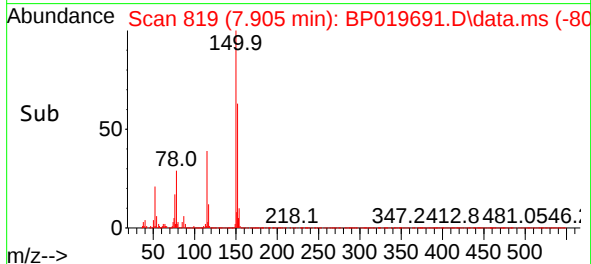
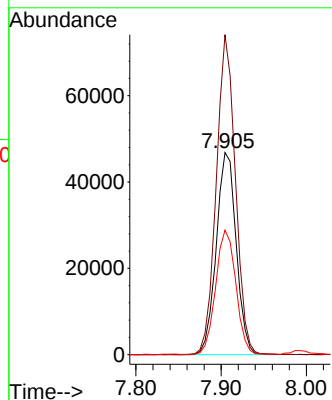
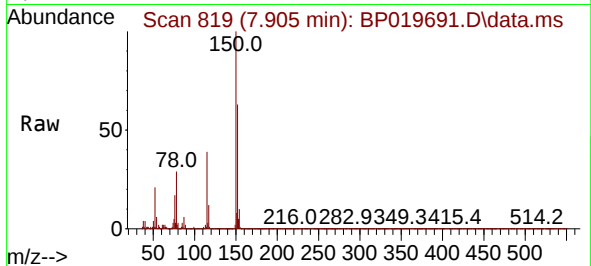
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

Instrument :
BNA_P
ClientSampleId :
ETGI-362

Tgt Ion:152 Resp: 76344
Ion Ratio Lower Upper
152 100
150 158.4 121.8 182.8
115 61.6 49.9 74.9

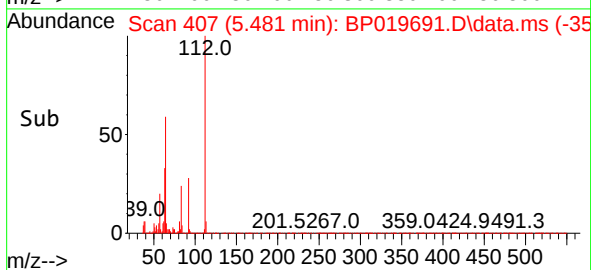
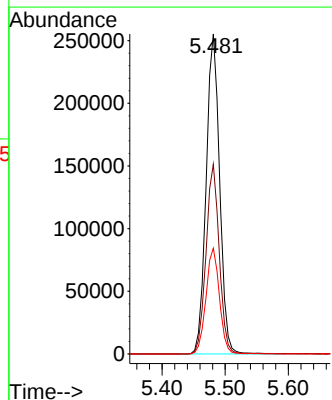
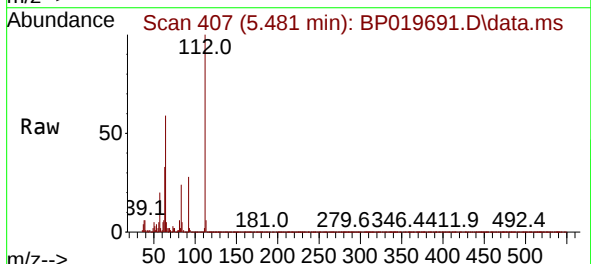
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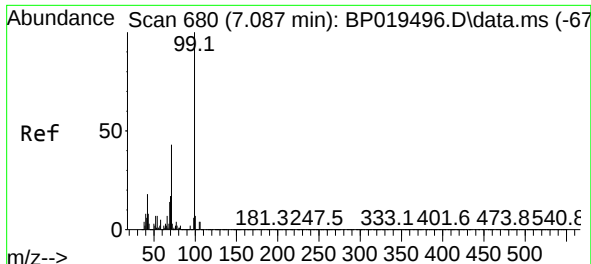
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024



#5
2-Fluorophenol
Concen: 80.030 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

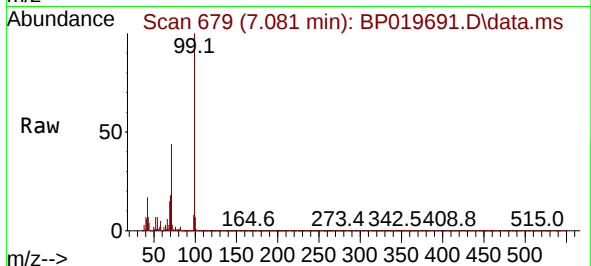
Tgt Ion:112 Resp: 379041
Ion Ratio Lower Upper
112 100
64 59.3 47.4 71.0
63 33.1 27.0 40.6





#7
Phenol-d6
Concen: 78.510 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

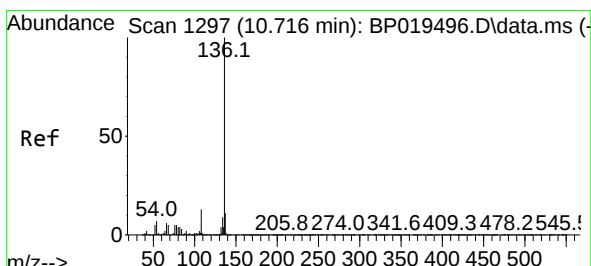
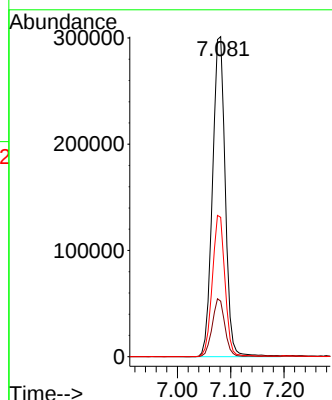
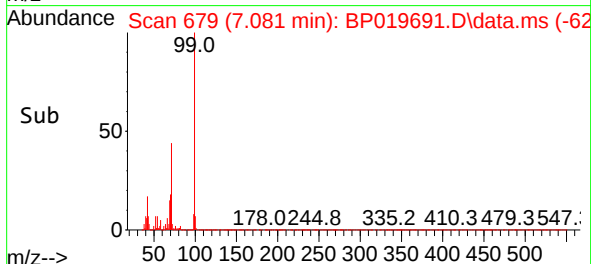
Instrument :
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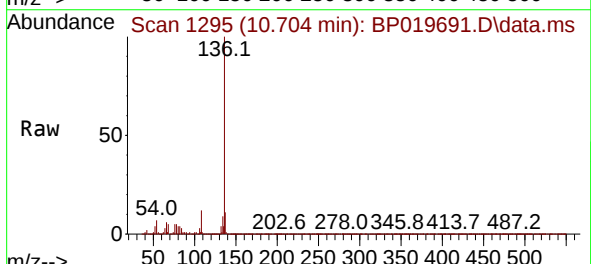
Tgt Ion: 99 Resp: 50137
Ion Ratio Lower Upper
99 100
42 17.4 14.7 22.1
71 43.5 34.8 52.2

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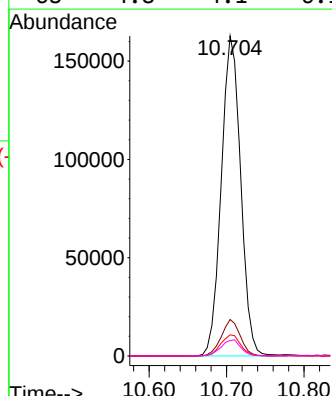
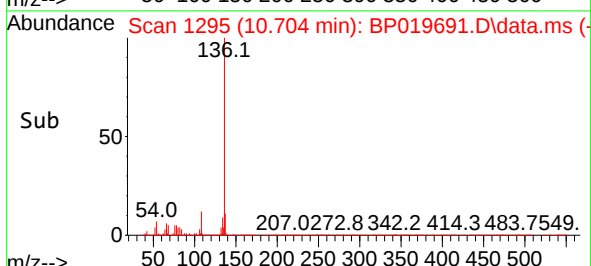
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024

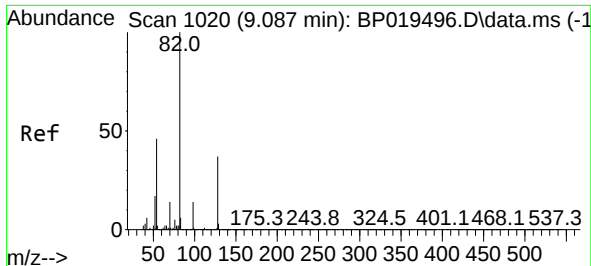


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48



Tgt Ion:136 Resp: 283169
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 6.6 5.3 7.9
68 4.8 4.1 6.1





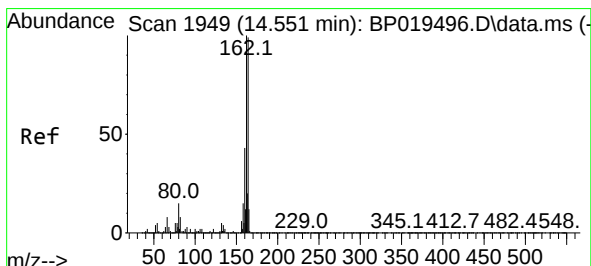
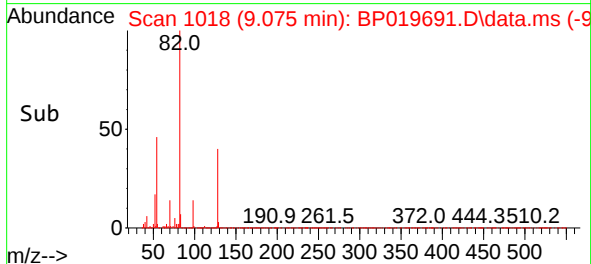
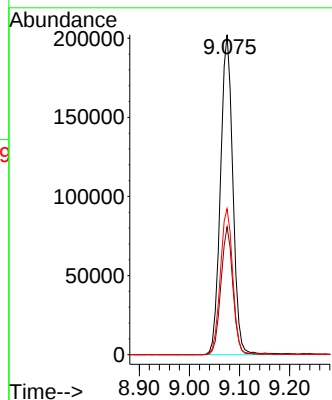
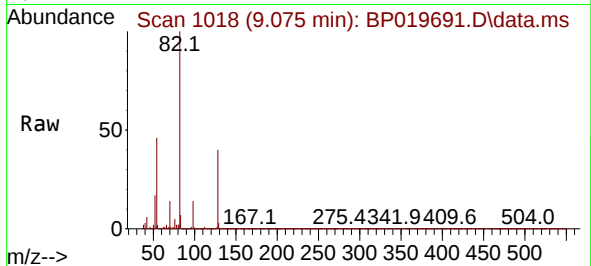
#23
Nitrobenzene-d5
Concen: 53.013 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

Instrument :
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ClientSampleId :
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Tgt Ion: 82 Resp: 346438
Ion Ratio Lower Upper
82 100
128 39.9 29.7 44.5
54 45.6 36.8 55.2

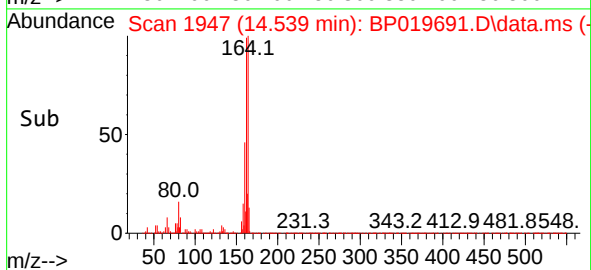
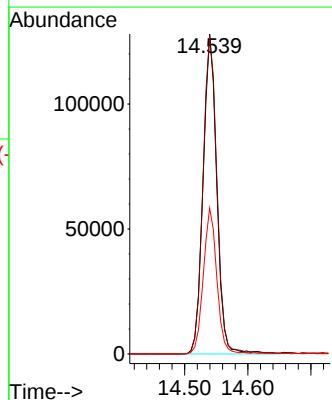
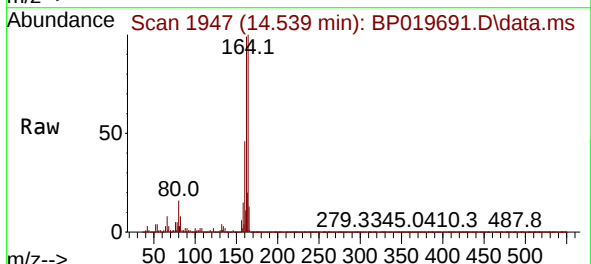
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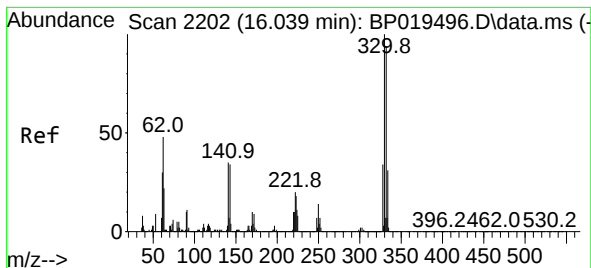
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

Tgt Ion:164 Resp: 192983
Ion Ratio Lower Upper
164 100
162 99.5 81.2 121.8
160 45.6 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 109.350 ng

RT: 16.034 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Instrument :

BNA_P

ClientSampleId :

ETGI-362

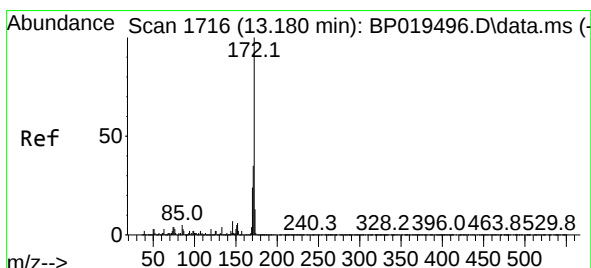
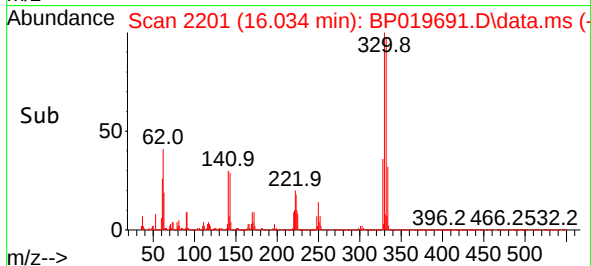
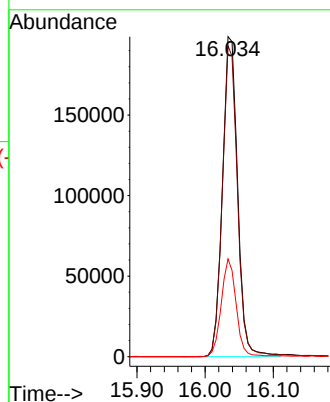
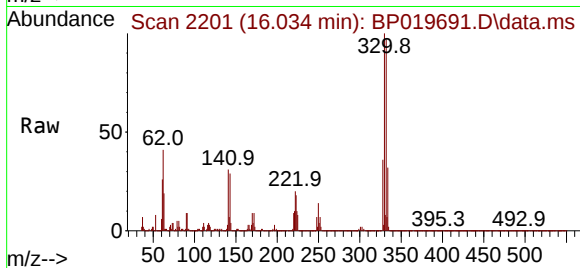
Tgt Ion:	330	Resp:	30811
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.2	115.8
141	29.9	27.0	40.4

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Supervised By :mohammad ahmed 02/15/2024



#45

2-Fluorobiphenyl

Concen: 52.133 ng

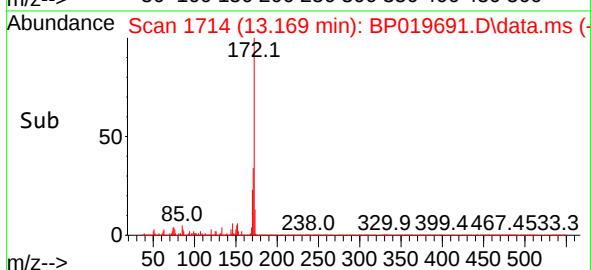
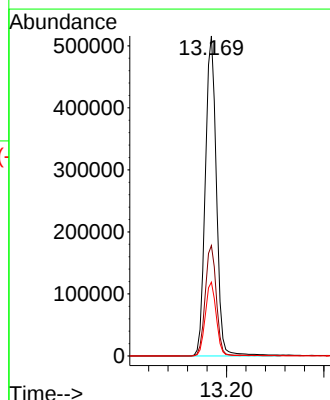
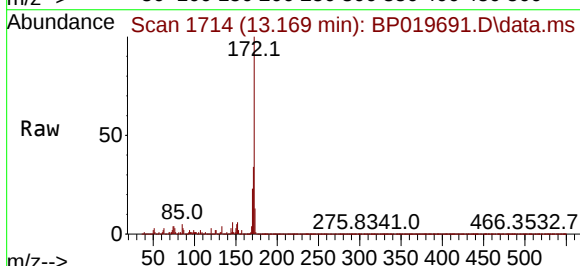
RT: 13.169 min Scan# 1714

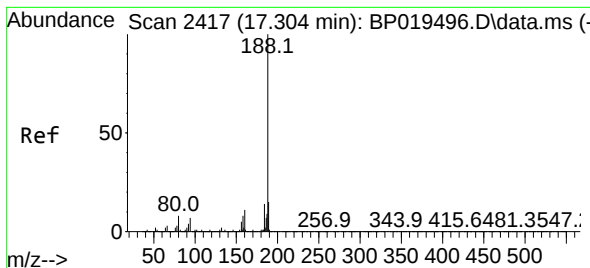
Delta R.T. -0.012 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Tgt Ion:	172	Resp:	813828
Ion Ratio	Lower	Upper	
172	100		
171	34.5	28.2	42.4
170	23.0	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: BP019691.D

Acq: 13 Feb 2024 22:48

Instrument :

BNA_P

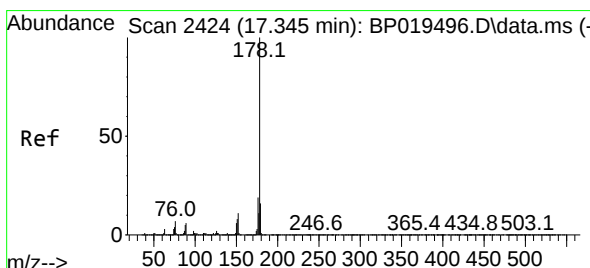
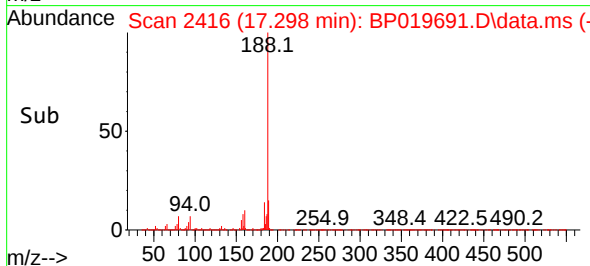
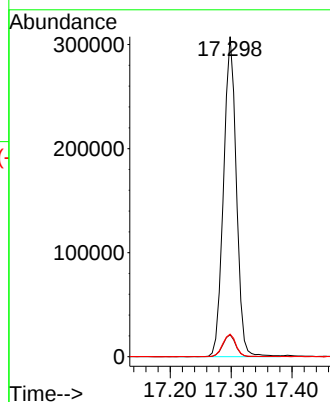
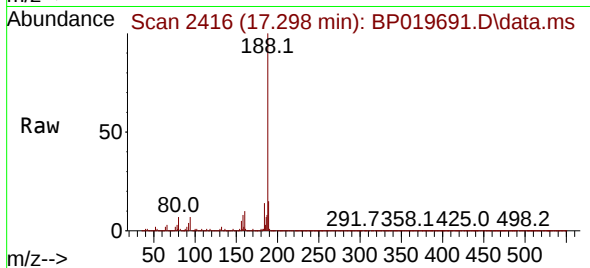
ClientSampleId :

ETGI-362

Tgt Ion:188	Resp: 44994
Ion Ratio	Lower Upper
188 100	
94 6.9	5.4 8.2
80 7.1	6.3 9.5

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Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024



#71

Phenanthrene

Concen: 7.530 ng

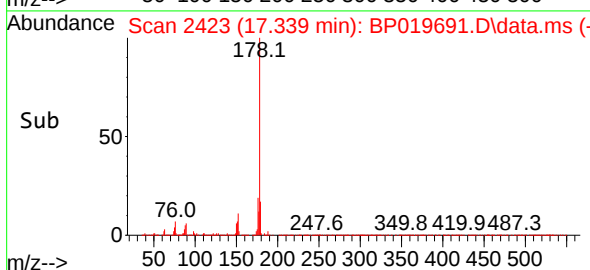
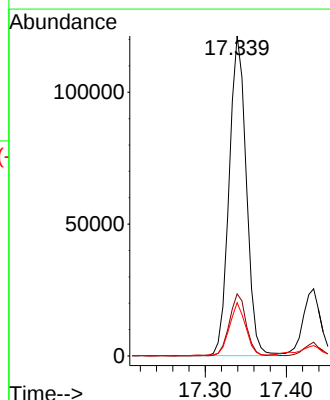
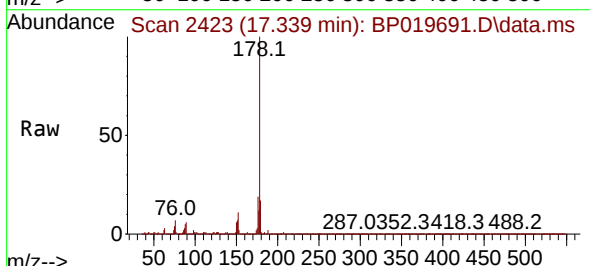
RT: 17.339 min Scan# 2423

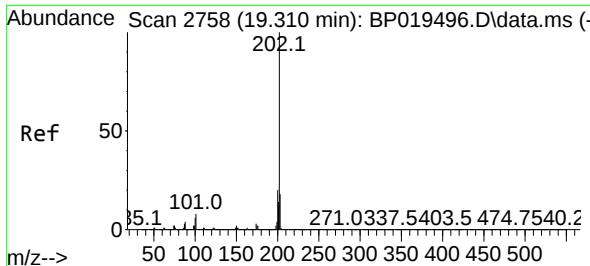
Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Tgt Ion:178	Resp: 178309
Ion Ratio	Lower Upper
178 100	
176 19.4	15.5 23.3
179 16.6	12.6 19.0





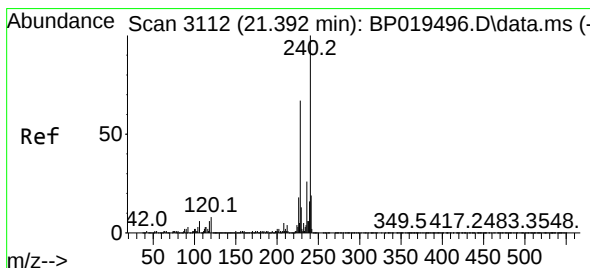
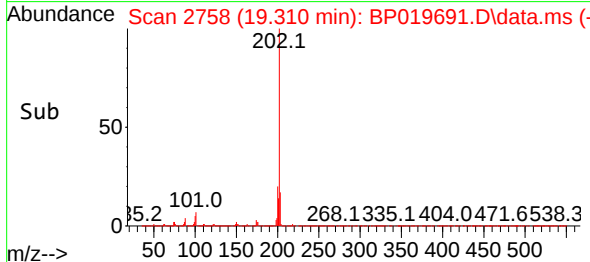
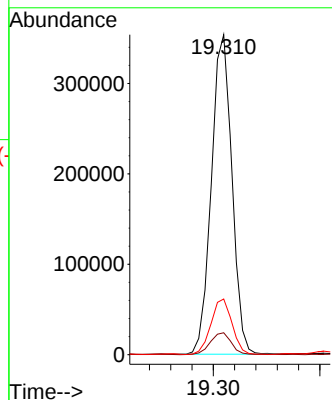
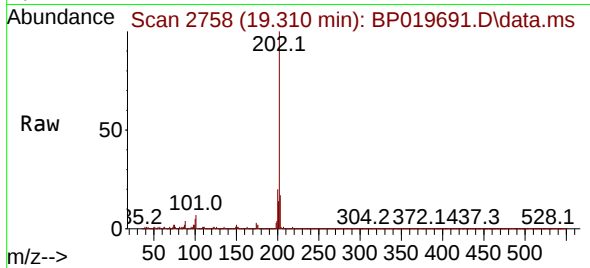
#75
Fluoranthene
Concen: 16.344 ng
RT: 19.310 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

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ClientSampleId :
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Tgt Ion:202 Resp: 472778
Ion Ratio Lower Upper
202 100
101 6.9 0.0 27.7
203 17.4 0.0 37.5

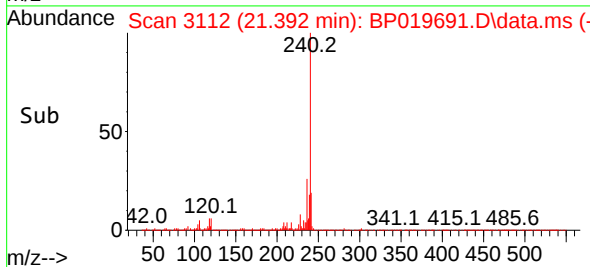
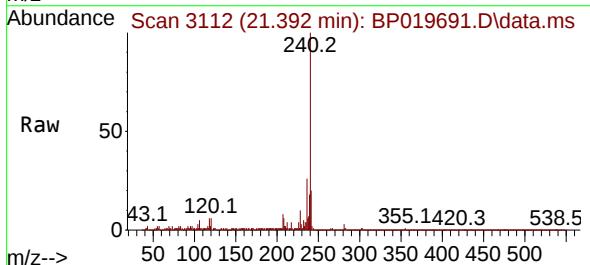
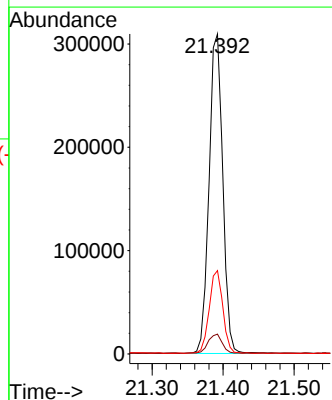
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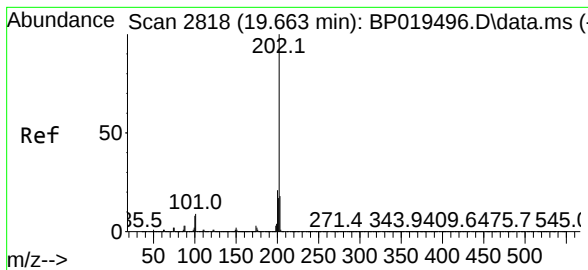
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

Tgt Ion:240 Resp: 415427
Ion Ratio Lower Upper
240 100
120 6.2 6.1 9.1
236 26.0 20.7 31.1





#78

Pyrene

Concen: 13.601 ng

RT: 19.663 min Scan# 2818

Delta R.T. 0.000 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Instrument :

BNA_P

ClientSampleId :

ETGI-362

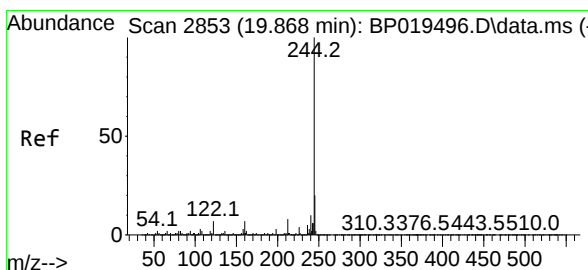
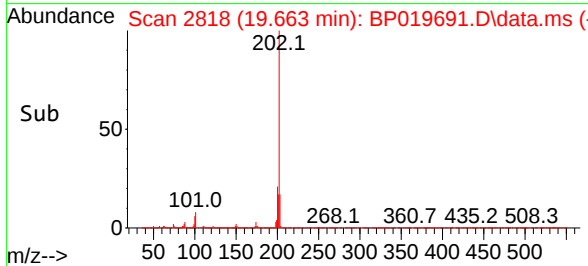
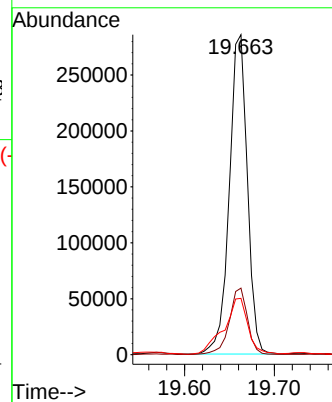
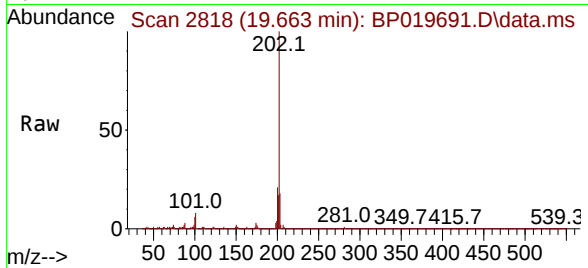
Tgt Ion:	202	Resp:	39876
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.9	25.3
203	17.6	14.2	21.2

Manual Integrations

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#79

Terphenyl-d14

Concen: 54.678 ng

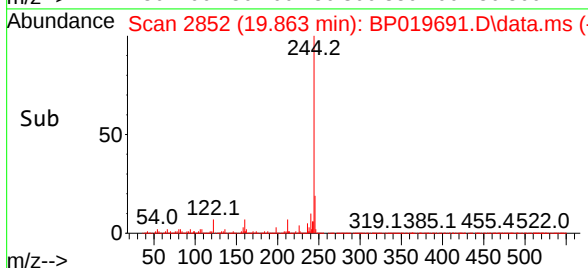
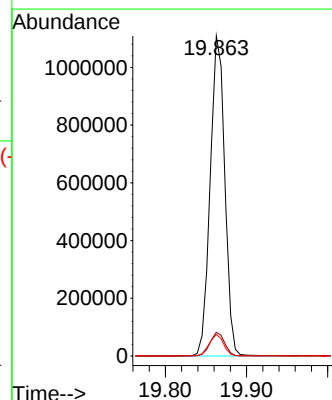
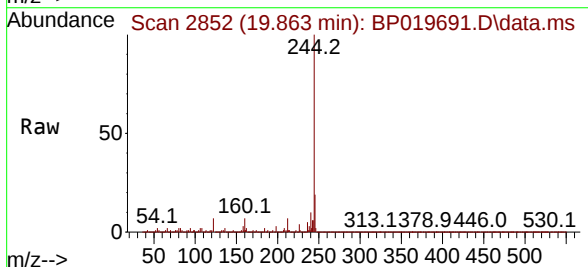
RT: 19.863 min Scan# 2852

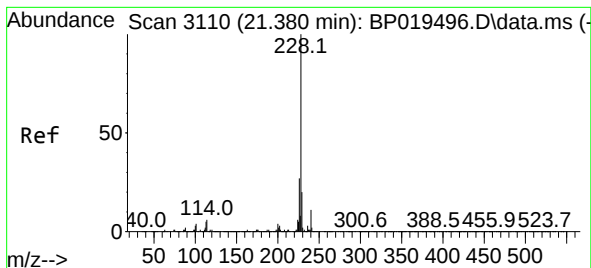
Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Tgt Ion:	244	Resp:	1381216
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.1	9.1
122	6.8	5.9	8.9





#81

Benzo(a)anthracene

Concen: 7.356 ng

RT: 21.374 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Instrument :

BNA_P

ClientSampleId :

ETGI-362

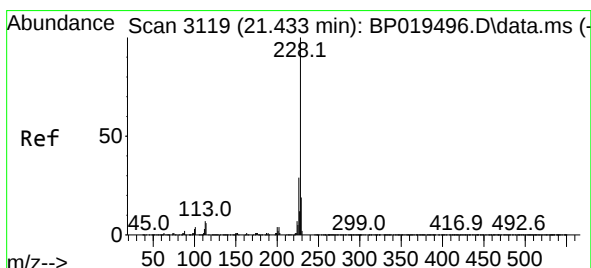
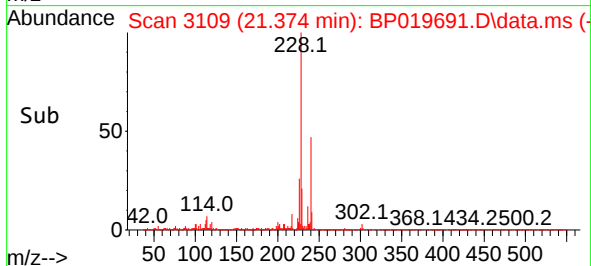
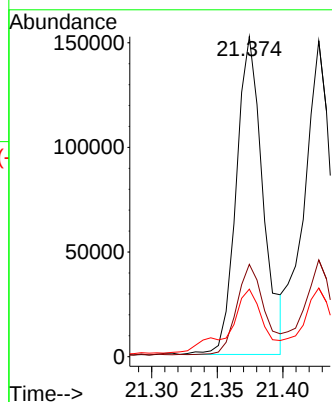
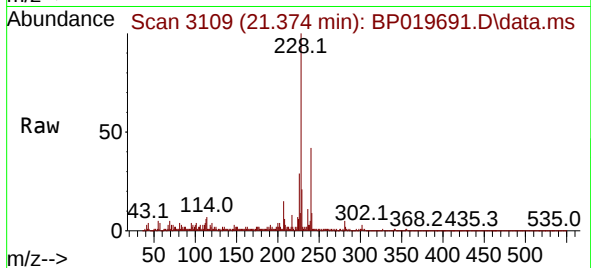
Tgt Ion:228 Resp: 215098
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.7 32.5
 229 21.1 15.6 23.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/15/2024

Supervised By :mohammad ahmed 02/15/2024



#83

Chrysene

Concen: 7.692 ng

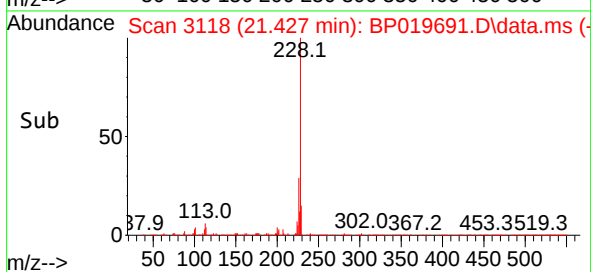
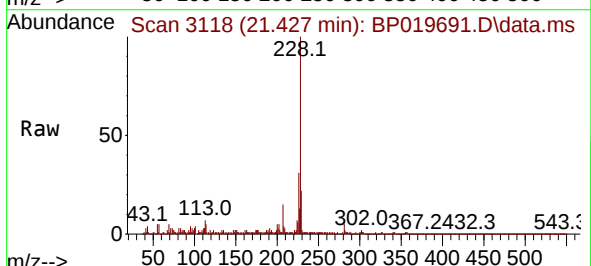
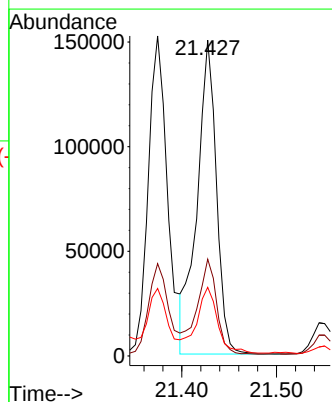
RT: 21.427 min Scan# 3118

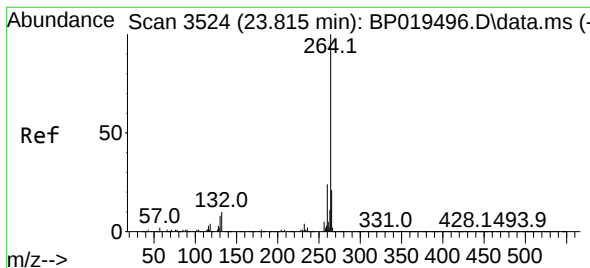
Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Tgt Ion:228 Resp: 213570
 Ion Ratio Lower Upper
 228 100
 226 30.7 23.4 35.2
 229 21.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Instrument :

BNA_P

ClientSampleId :

ETGI-362

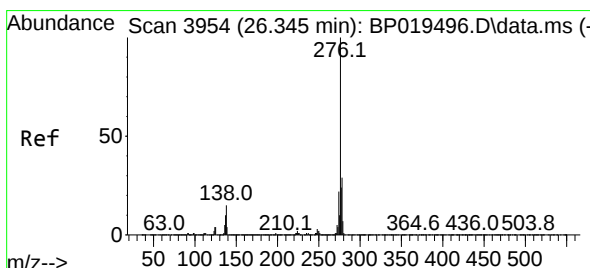
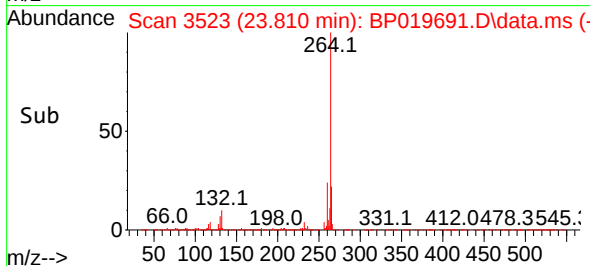
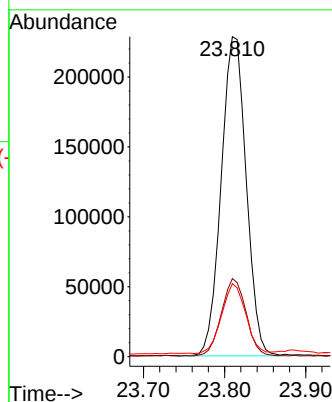
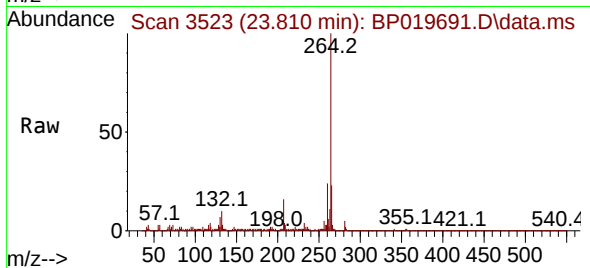
Tgt Ion:264 Resp: 48895
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 22.8 17.0 25.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/15/2024

Supervised By :mohammad ahmed 02/15/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.659 ng

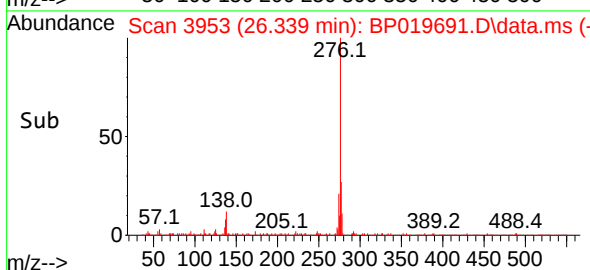
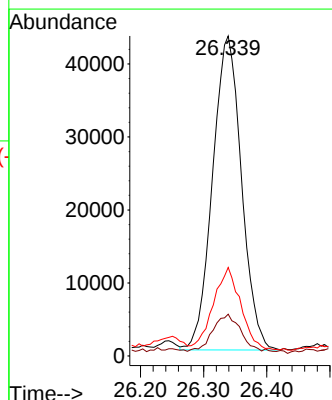
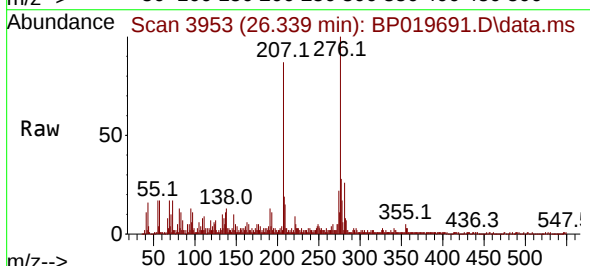
RT: 26.339 min Scan# 3953

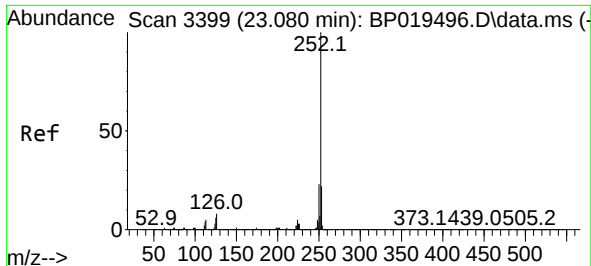
Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Tgt Ion:276 Resp: 136965
 Ion Ratio Lower Upper
 276 100
 138 12.3 13.1 19.7#
 277 24.7 20.3 30.5





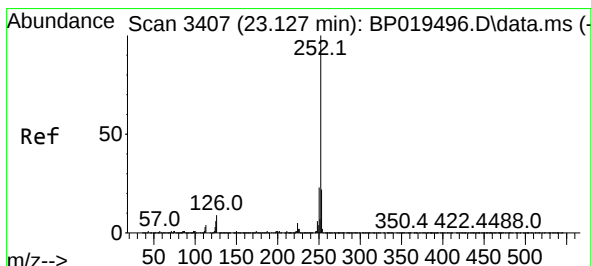
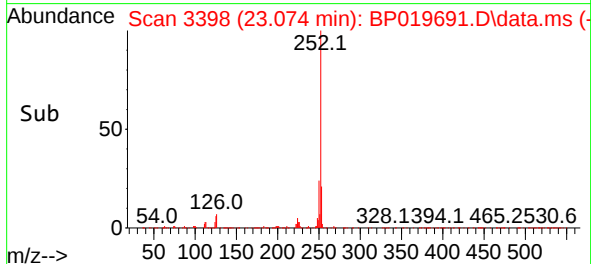
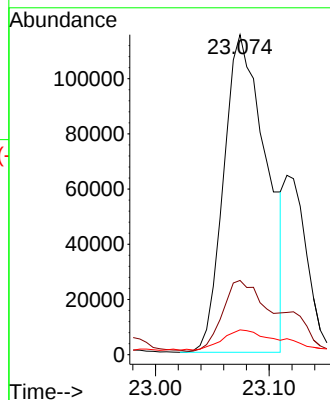
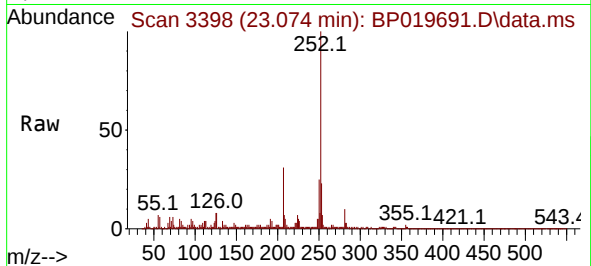
#88
Benzo(b)fluoranthene
Concen: 9.746 ng
RT: 23.074 min Scan# 3399
Delta R.T. -0.006 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

Instrument :
BNA_P
ClientSampleId :
ETGI-362

Tgt Ion:252 Resp: 300335
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 7.8 4.9 7.3

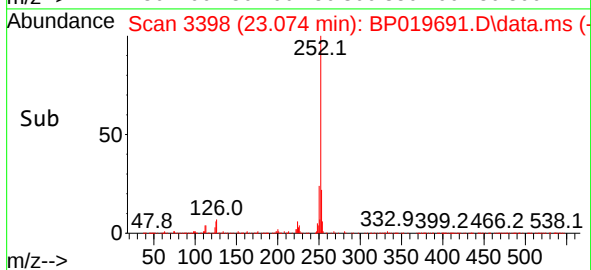
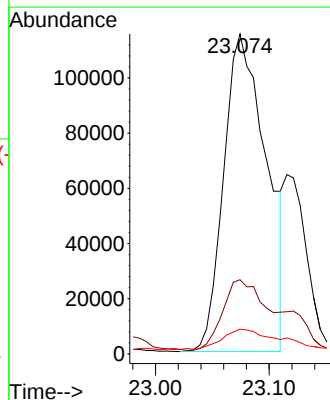
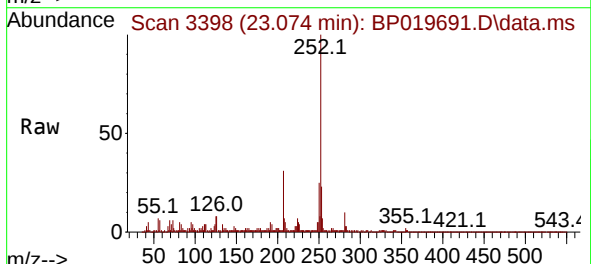
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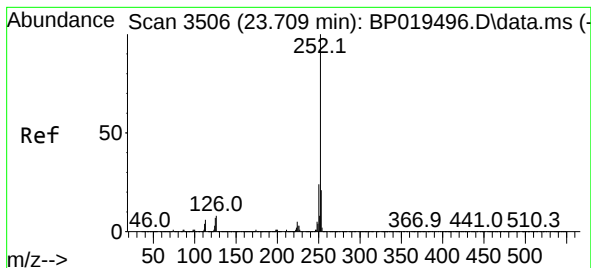
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024



#89
Benzo(k)fluoranthene
Concen: 10.203 ng
RT: 23.074 min Scan# 3398
Delta R.T. -0.053 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

Tgt Ion:252 Resp: 300335
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 7.8 5.0 7.6





#90

Benzo(a)pyrene

Concen: 7.148 ng

RT: 23.704 min Scan# 3505

Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Instrument :

BNA_P

ClientSampleId :

ETGI-362

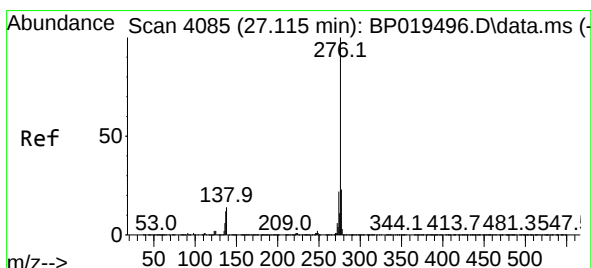
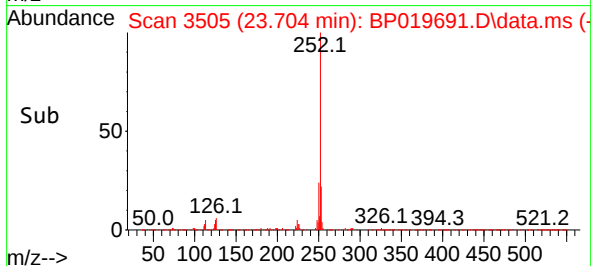
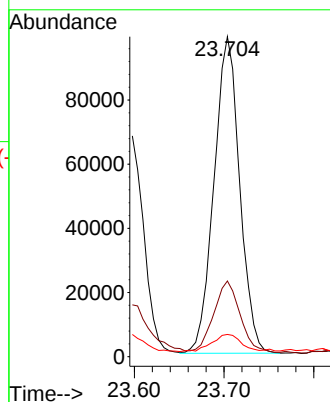
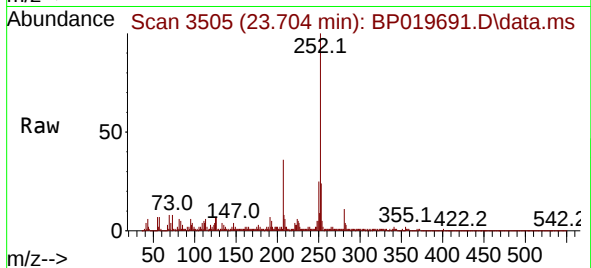
Tgt Ion:	252	Resp:	19599
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.1	25.7
125	7.0	5.6	8.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/15/2024

Supervised By :mohammad ahmed 02/15/2024



#92

Benzo(g,h,i)perylene

Concen: 4.092 ng

RT: 27.115 min Scan# 4085

Delta R.T. 0.000 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Tgt Ion:	276	Resp:	127804
Ion Ratio	Lower	Upper	
276	100		
277	25.0	18.6	28.0
138	11.9	10.9	16.3

