

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021524\
 Data File : BP019735.D
 Acq On : 15 Feb 2024 22:00
 Operator : MA/JU
 Sample : P1463-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP-F-COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/17/2024
 Supervised By :mohammad ahmed 02/17/2024

Quant Time: Feb 16 00:56:47 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	87794	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	321657	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	213579	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	483775	20.000	ng	0.00
76) Chrysene-d12	21.392	240	473830	20.000	ng	0.00
86) Perylene-d12	23.821	264	549405	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	399344	73.321	ng	0.00
7) Phenol-d6	7.075	99	522666	71.170	ng	-0.01
23) Nitrobenzene-d5	9.075	82	364069	49.045	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	306830	98.393	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	845759	48.954	ng	-0.02
79) Terphenyl-d14	19.863	244	1452719	50.420	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.751	128	41107	2.330	ng	98
49) Acenaphthylene	14.263	152	79993	4.075	ng	98
52) Acenaphthene	14.604	154	39186	3.216	ng	96
55) Dibenzofuran	14.940	168	43532	2.194	ng	# 97
58) Fluorene	15.592	166	42704	2.702	ng	96
71) Phenanthrene	17.339	178	462468	18.165	ng	99
72) Anthracene	17.433	178	182584	7.189	ng	99
73) Carbazole	17.710	167	48623	2.107	ng	98
75) Fluoranthene	19.310	202	1083243	34.829	ng	99
78) Pyrene	19.663	202	1040232	31.107	ng	100
81) Benzo(a)anthracene	21.374	228	648384	19.439	ng	96
83) Chrysene	21.427	228	563389	17.791	ng	97
87) Indeno(1,2,3-cd)pyrene	26.362	276	412413	9.807	ng	# 96
88) Benzo(b)fluoranthene	23.080	252	843205	24.351	ng	95
89) Benzo(k)fluoranthene	23.127	252	242945m	7.345	ng	
90) Benzo(a)pyrene	23.715	252	598888	19.438	ng	96
91) Dibenzo(a,h)anthracene	26.368	278	113251	3.274	ng	# 82
92) Benzo(g,h,i)perylene	27.145	276	417843	11.908	ng	97

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

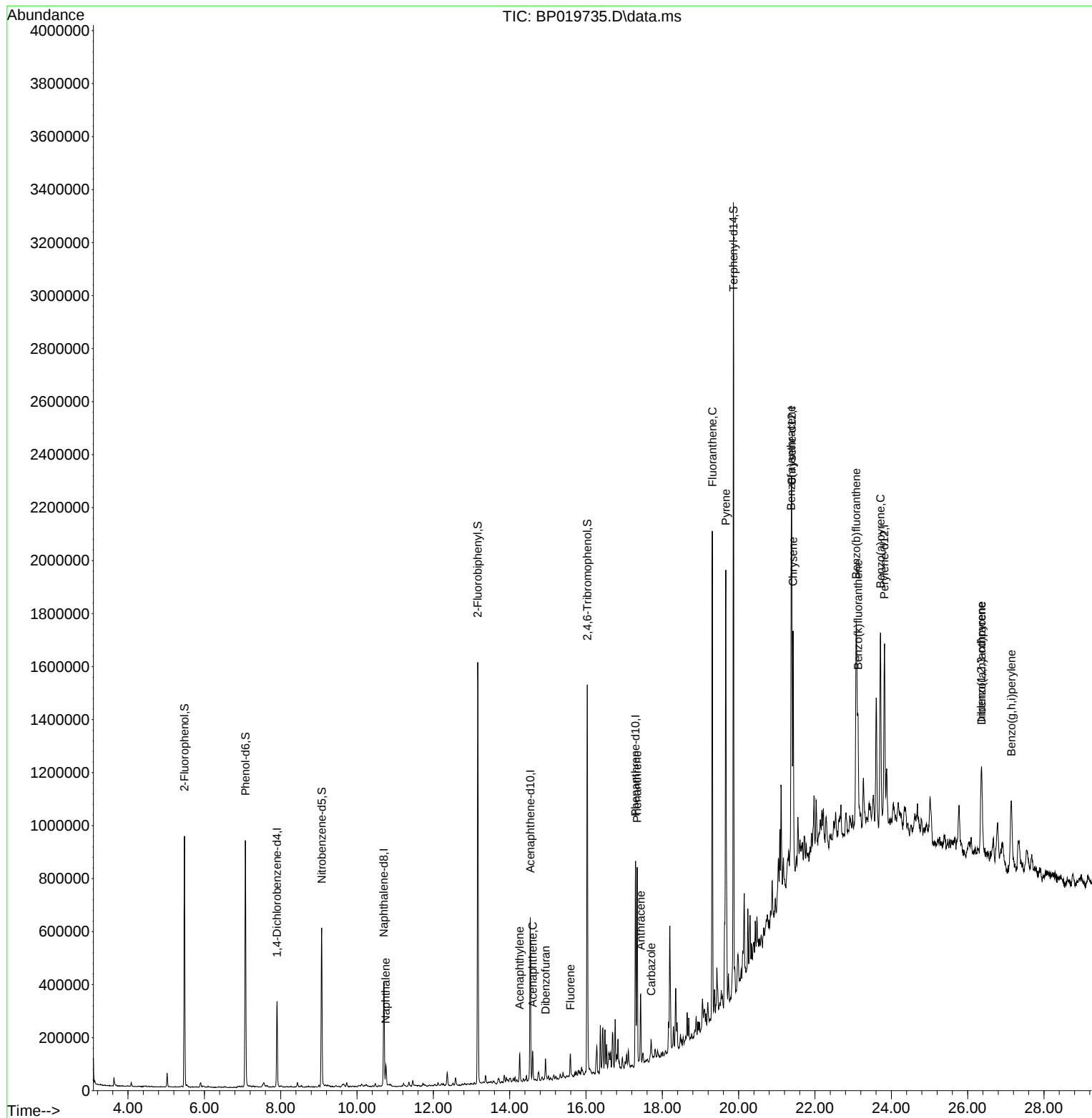
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021524\
Data File : BP019735.D
Acq On : 15 Feb 2024 22:00
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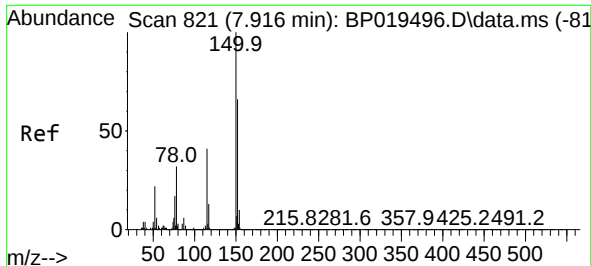
Instrument :
BNA_P
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SP-F-COMP

Quant Time: Feb 16 00:56:47 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

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019735.D
Acq: 15 Feb 2024 22:00

Instrument :

BNA_P

ClientSampleId :

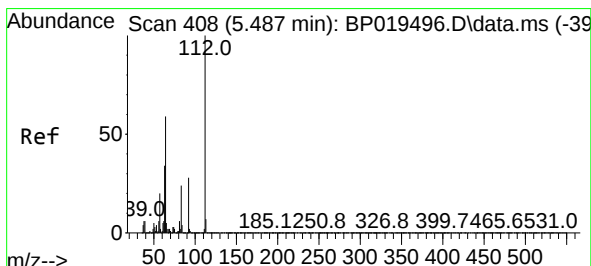
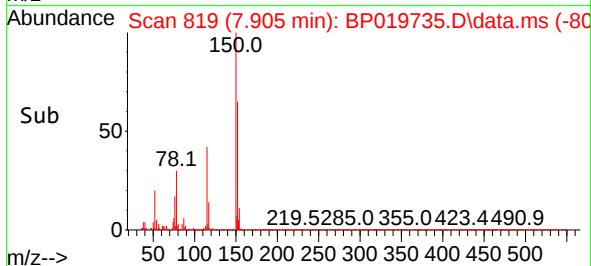
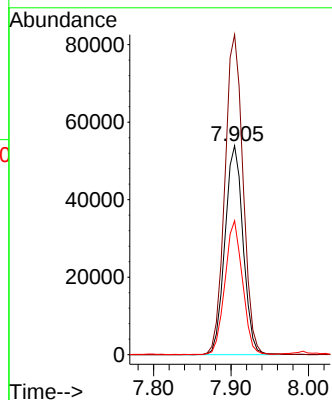
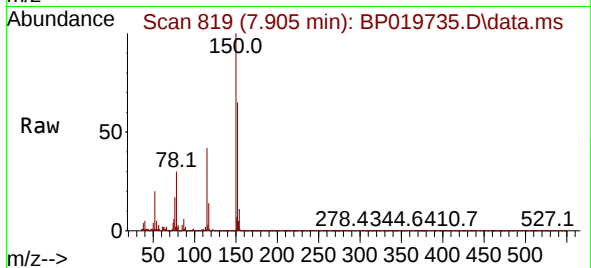
SP-F-COMP

Tgt Ion:152 Resp: 87794
Ion Ratio Lower Upper
152 100
150 153.2 121.8 182.8
115 64.1 49.9 74.9

Manual Integrations

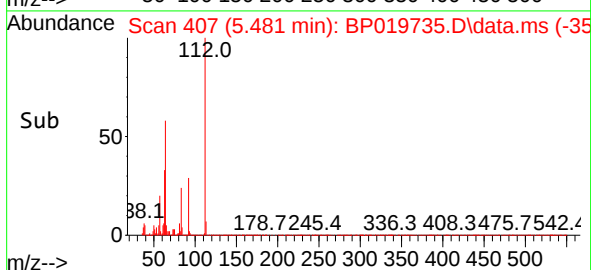
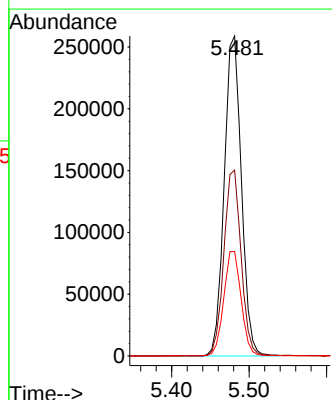
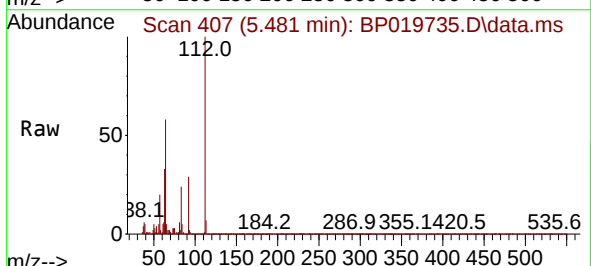
APPROVED

Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#5
2-Fluorophenol
Concen: 73.321 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019735.D
Acq: 15 Feb 2024 22:00

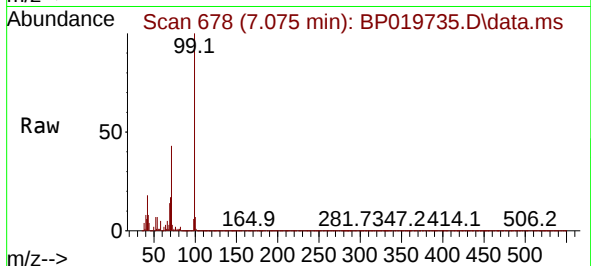
Tgt Ion:112 Resp: 399344
Ion Ratio Lower Upper
112 100
64 58.1 47.4 71.0
63 32.7 27.0 40.6





#7
Phenol-d6
Concen: 71.170 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.011 min
Lab File: BP019735.D
Acq: 15 Feb 2024 22:00

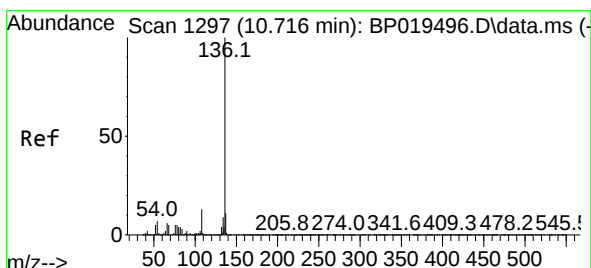
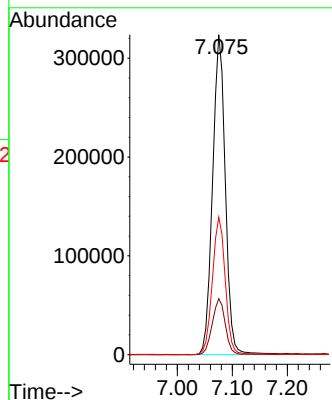
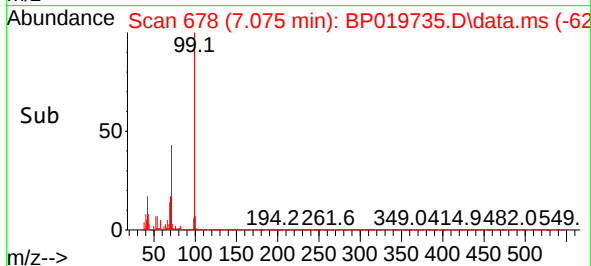
Instrument :
BNA_P
ClientSampleId :
SP-F-COMP



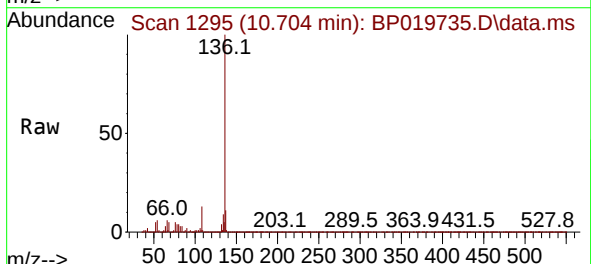
Tgt Ion: 99 Resp: 522660
Ion Ratio Lower Upper
99 100
42 17.5 14.7 22.1
71 42.9 34.8 52.2

Manual Integrations
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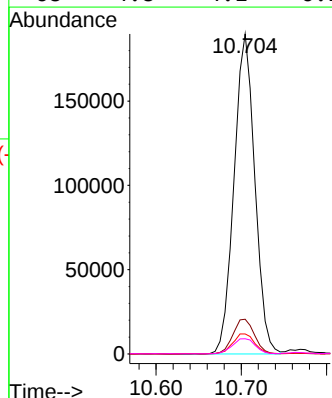
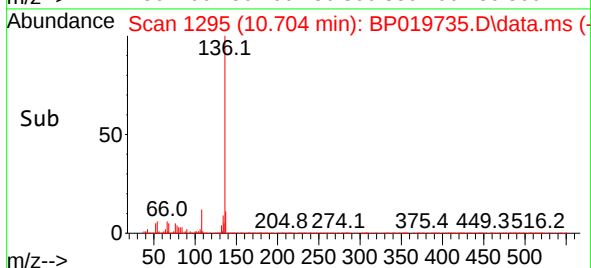
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.011 min
Lab File: BP019735.D
Acq: 15 Feb 2024 22:00



Tgt Ion:136 Resp: 321657
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.3 5.3 7.9
68 4.8 4.1 6.1





#23
Nitrobenzene-d5
Concen: 49.045 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.011 min
Lab File: BP019735.D
Acq: 15 Feb 2024 22:00

Instrument :

BNA_P

ClientSampleId :

SP-F-COMP

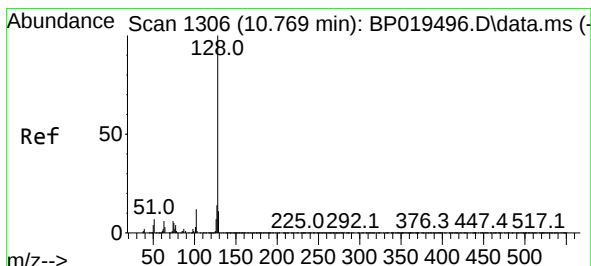
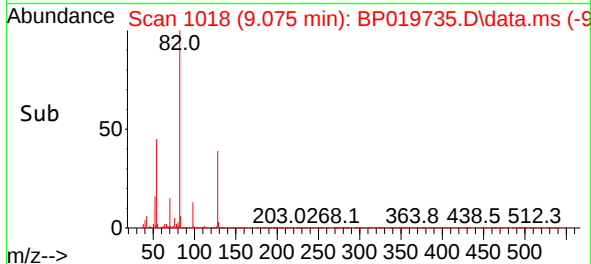
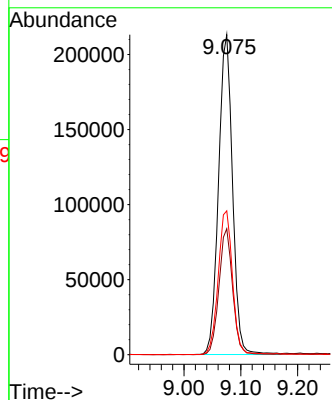
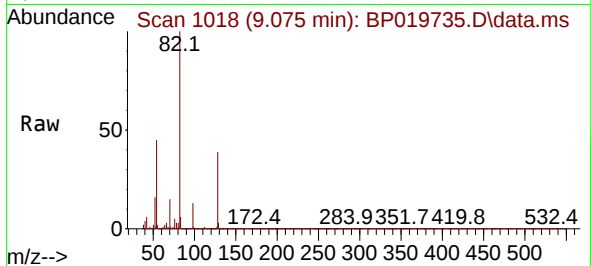
Tgt Ion: 82 Resp: 364069
Ion Ratio Lower Upper
82 100
128 39.3 29.7 44.5
54 44.9 36.8 55.2

Manual Integrations

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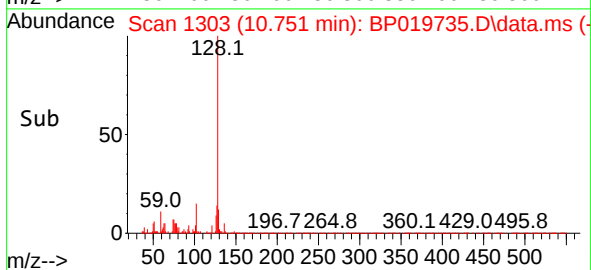
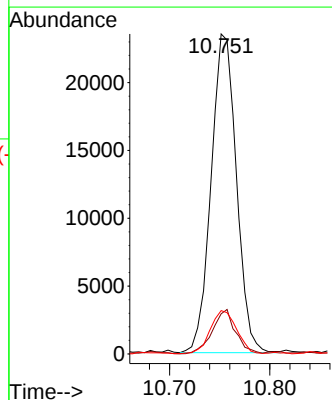
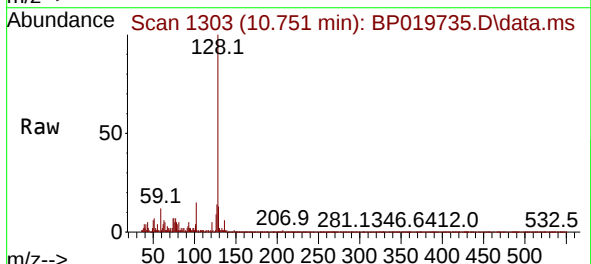
Reviewed By :Yogesh Patel 02/17/2024

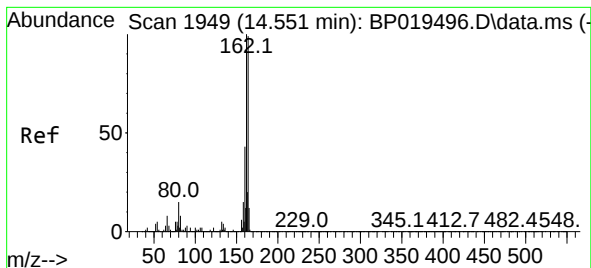
Supervised By :mohammad ahmed 02/17/2024



#31
Naphthalene
Concen: 2.330 ng
RT: 10.751 min Scan# 1303
Delta R.T. -0.017 min
Lab File: BP019735.D
Acq: 15 Feb 2024 22:00

Tgt Ion:128 Resp: 41107
Ion Ratio Lower Upper
128 100
129 12.5 8.6 13.0
127 13.6 10.8 16.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.540 min Scan# 1947

Delta R.T. -0.011 min

Lab File: BP019735.D

Acq: 15 Feb 2024 22:00

Instrument :

BNA_P

ClientSampleId :

SP-F-COMP

Tgt Ion:164 Resp: 213579

Ion Ratio Lower Upper

164 100

162 102.6 81.2 121.8

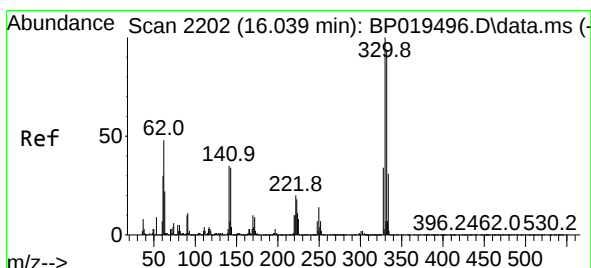
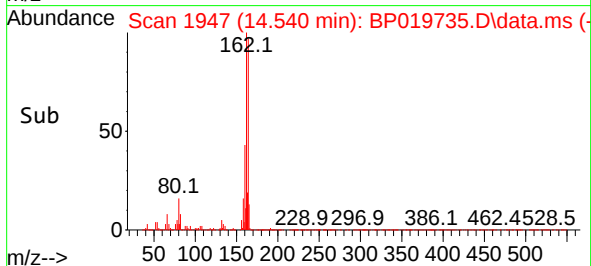
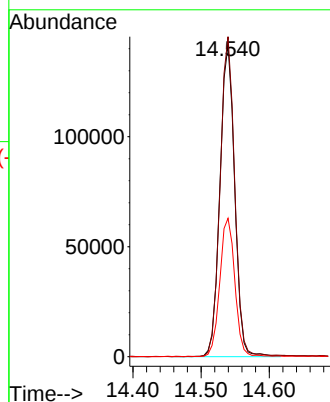
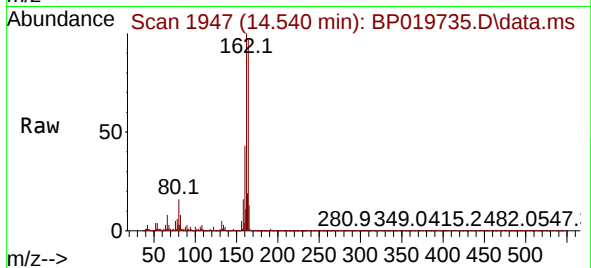
160 44.4 35.1 52.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/17/2024

Supervised By :mohammad ahmed 02/17/2024



#42

2,4,6-Tribromophenol

Concen: 98.393 ng

RT: 16.034 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BP019735.D

Acq: 15 Feb 2024 22:00

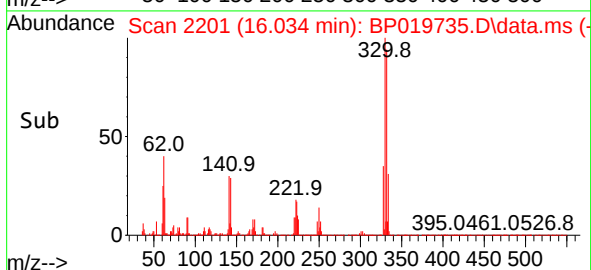
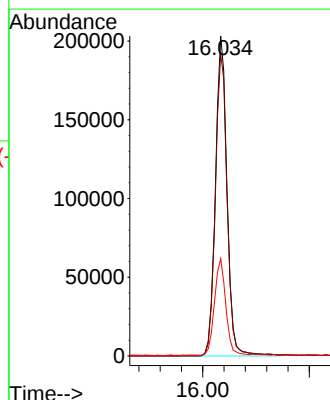
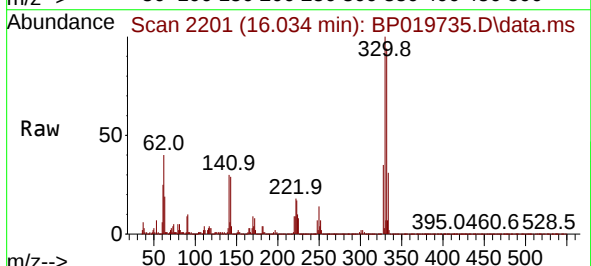
Tgt Ion:330 Resp: 306830

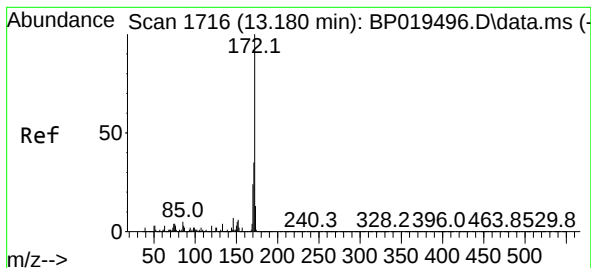
Ion Ratio Lower Upper

330 100

332 95.7 77.2 115.8

141 29.2 27.0 40.4





#45
2-Fluorobiphenyl
Concen: 48.954 ng
RT: 13.163 min Scan# 11
Delta R.T. -0.017 min
Lab File: BP019735.D
Acq: 15 Feb 2024 22:00

Instrument :

BNA_P

ClientSampleId :

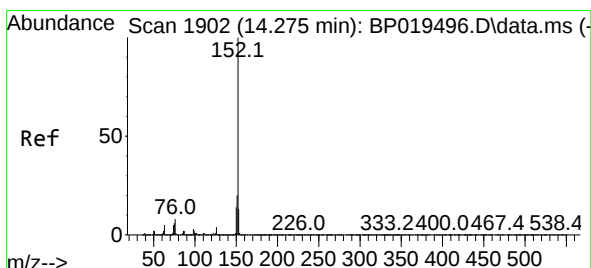
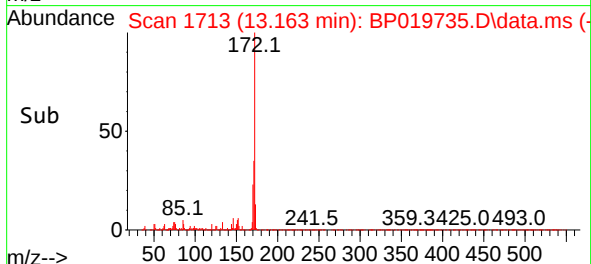
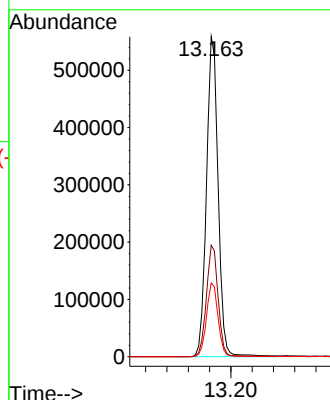
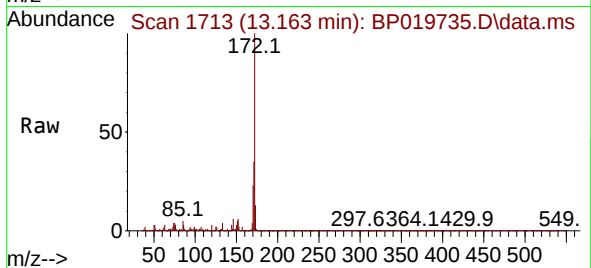
SP-F-COMP

Tgt Ion:172 Resp: 845759
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 23.1 18.9 28.3

Manual Integrations

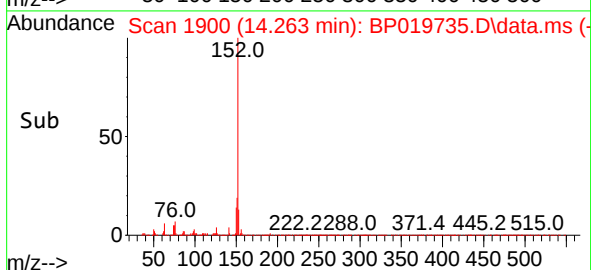
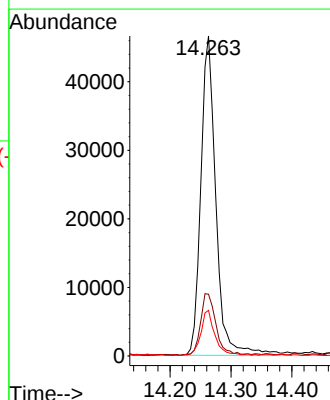
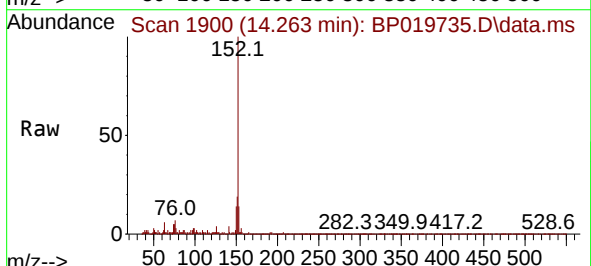
APPROVED

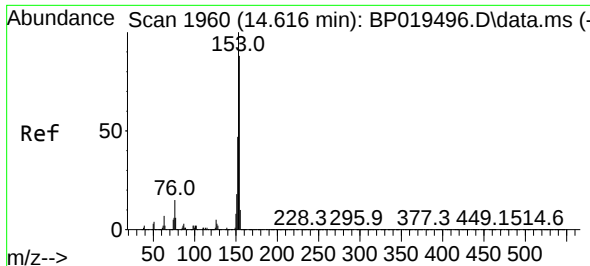
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#49
Acenaphthylene
Concen: 4.075 ng
RT: 14.263 min Scan# 1900
Delta R.T. -0.011 min
Lab File: BP019735.D
Acq: 15 Feb 2024 22:00

Tgt Ion:152 Resp: 79993
Ion Ratio Lower Upper
152 100
151 19.3 15.8 23.6
153 14.3 10.6 15.8





#52
Acenaphthene
Concen: 3.216 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.011 min
Lab File: BP019735.D
Acq: 15 Feb 2024 22:00

Instrument :

BNA_P

ClientSampleId :

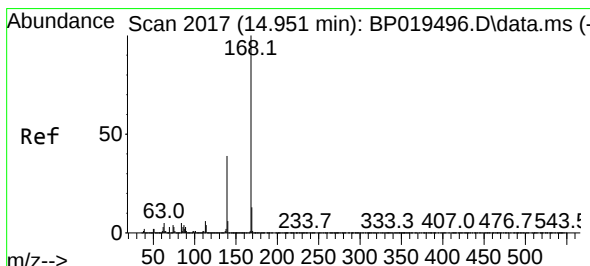
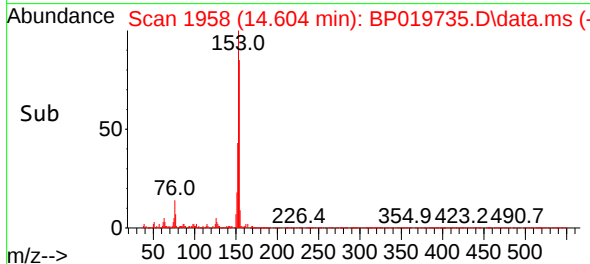
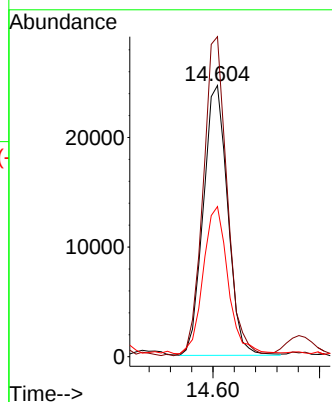
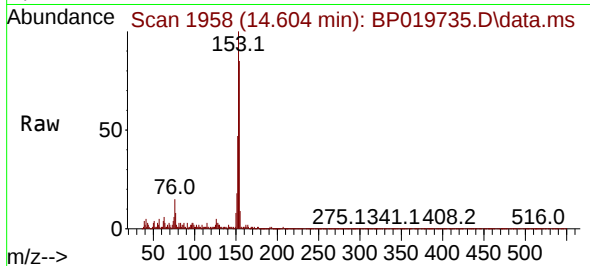
SP-F-COMP

Tgt Ion:154 Resp: 39180
Ion Ratio Lower Upper
154 100
153 118.0 90.5 135.7
152 55.4 42.1 63.1

Manual Integrations

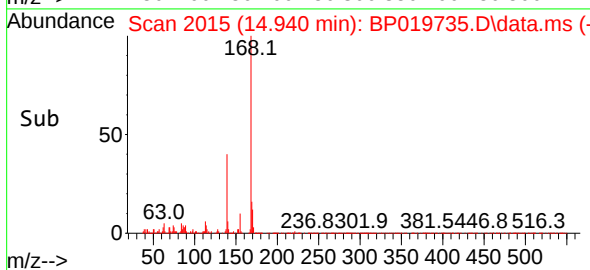
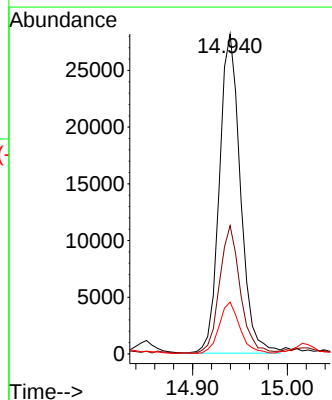
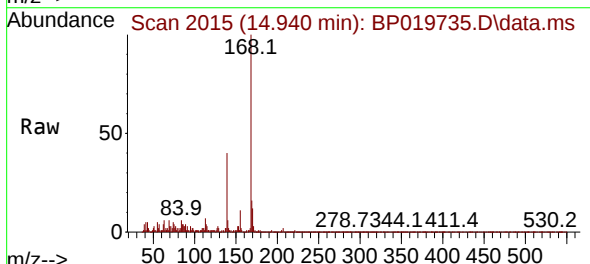
APPROVED

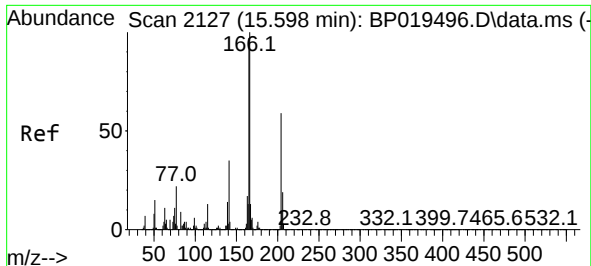
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#55
Dibenzofuran
Concen: 2.194 ng
RT: 14.940 min Scan# 2015
Delta R.T. -0.011 min
Lab File: BP019735.D
Acq: 15 Feb 2024 22:00

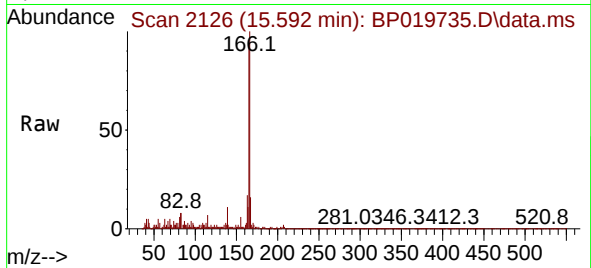
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Ion Ratio Lower Upper
168 100
139 40.1 31.5 47.3
169 16.2 10.3 15.5#





#58
Fluorene
Concen: 2.702 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019735.D
Acq: 15 Feb 2024 22:00

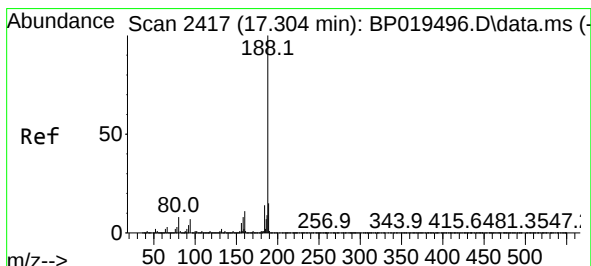
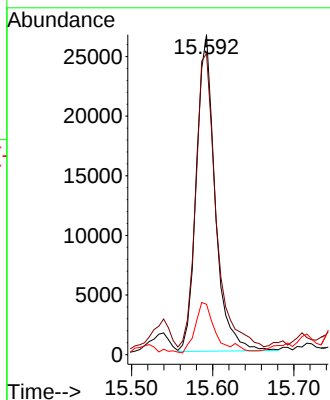
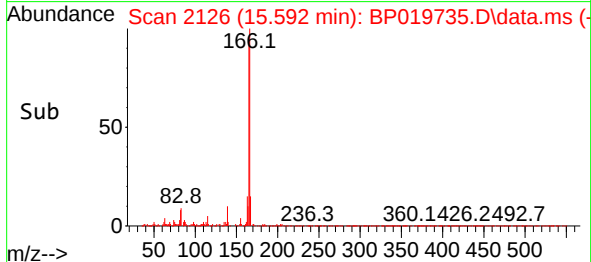
Instrument :
BNA_P
ClientSampleId :
SP-F-COMP



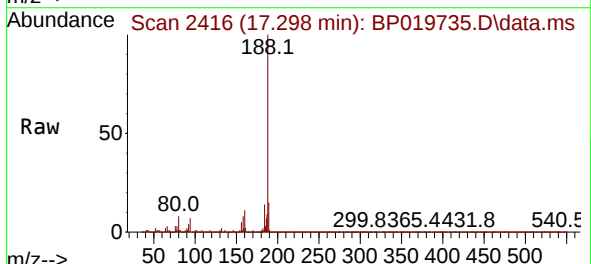
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Ion Ratio Lower Upper
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165 94.2 77.8 116.8
167 15.7 10.7 16.1

Manual Integrations
APPROVED

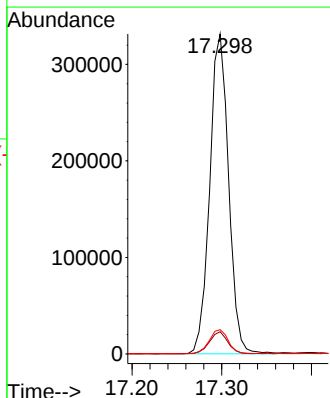
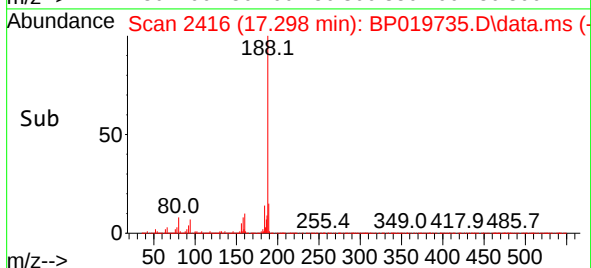
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024

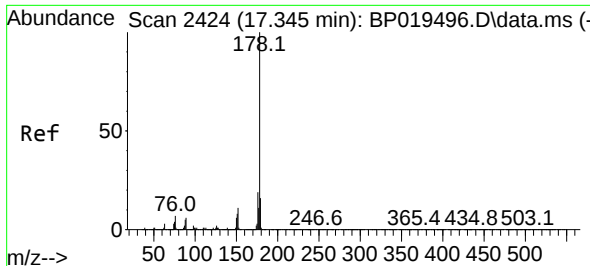


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019735.D
Acq: 15 Feb 2024 22:00



Tgt Ion:188 Resp: 483775
Ion Ratio Lower Upper
188 100
94 6.9 5.4 8.2
80 7.6 6.3 9.5





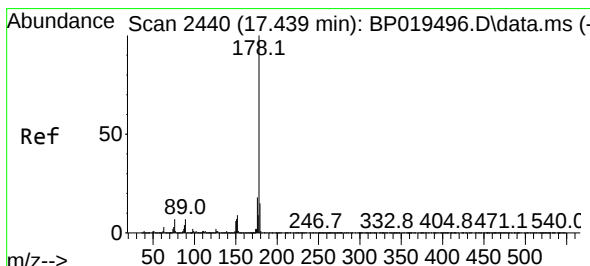
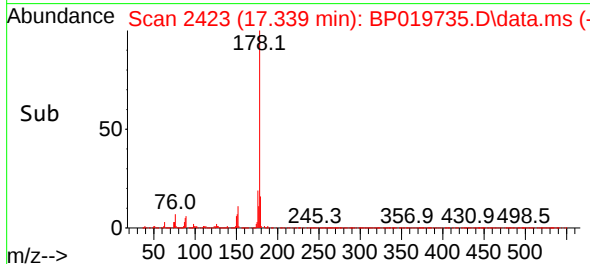
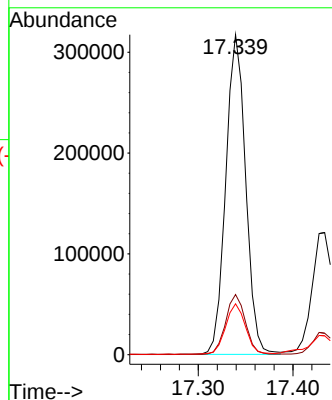
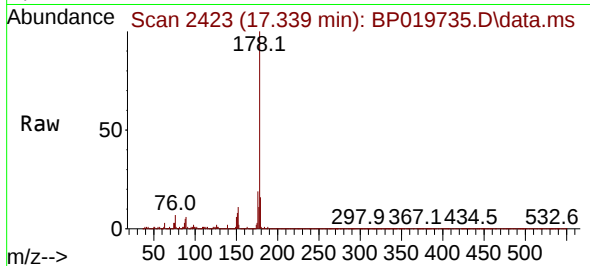
#71
Phenanthrene
Concen: 18.165 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP019735.D
Acq: 15 Feb 2024 22:00

Instrument :
BNA_P
ClientSampleId :
SP-F-COMP

Tgt Ion:178 Resp: 462468
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.9 12.6 19.0

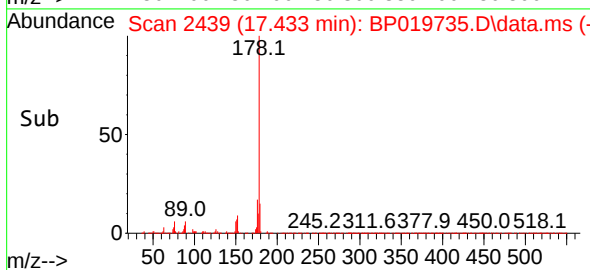
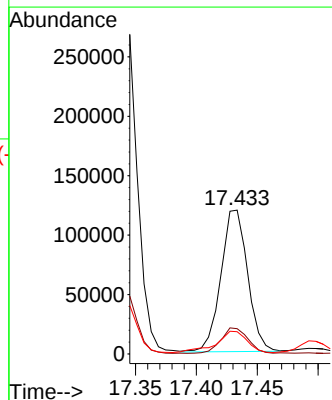
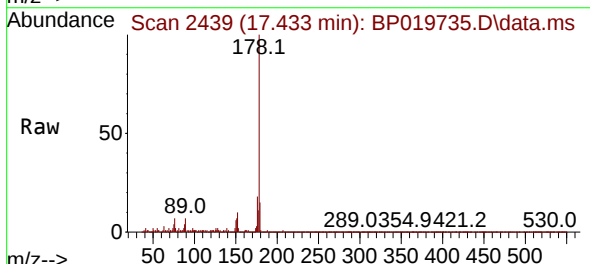
Manual Integrations
APPROVED

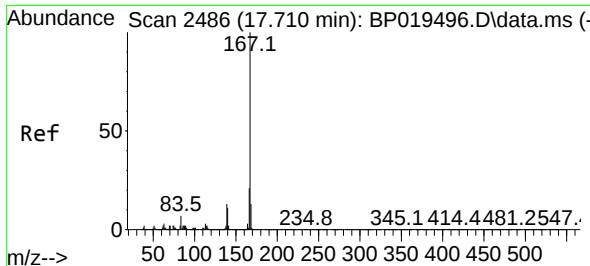
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#72
Anthracene
Concen: 7.189 ng
RT: 17.433 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BP019735.D
Acq: 15 Feb 2024 22:00

Tgt Ion:178 Resp: 182584
Ion Ratio Lower Upper
178 100
176 17.6 14.7 22.1
179 15.4 12.2 18.2





#73
 Carbazole
 Concen: 2.107 ng
 RT: 17.710 min Scan# 2486
 Delta R.T. 0.000 min
 Lab File: BP019735.D
 Acq: 15 Feb 2024 22:00

Instrument :

BNA_P

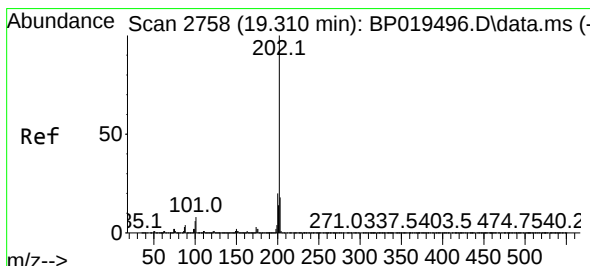
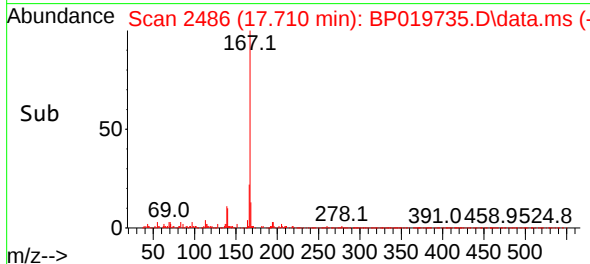
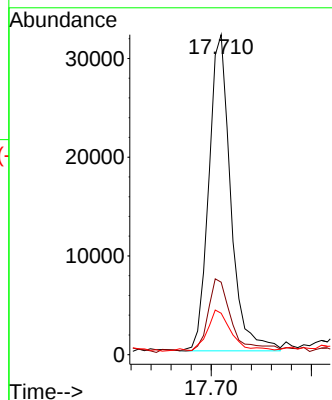
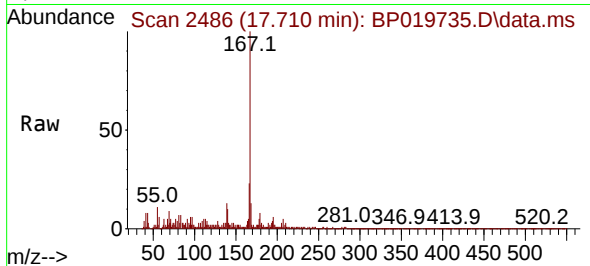
ClientSampleId :

SP-F-COMP

Tgt Ion:167 Resp: 4862
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.2 25.8
 139 12.9 10.6 15.8

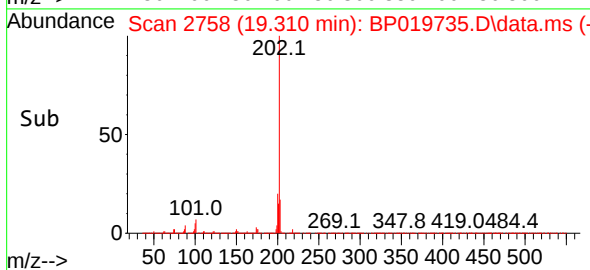
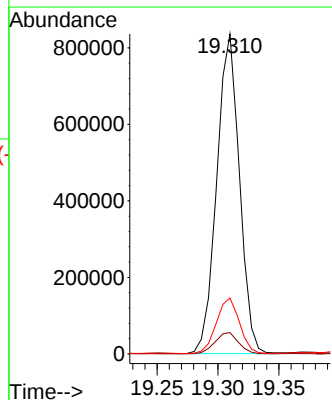
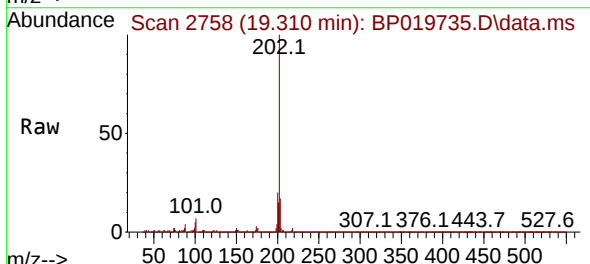
Manual Integrations
 APPROVED

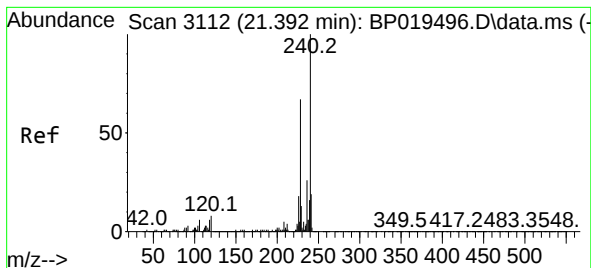
Reviewed By :Yogesh Patel 02/17/2024
 Supervised By :mohammad ahmed 02/17/2024



#75
 Fluoranthene
 Concen: 34.829 ng
 RT: 19.310 min Scan# 2758
 Delta R.T. 0.000 min
 Lab File: BP019735.D
 Acq: 15 Feb 2024 22:00

Tgt Ion:202 Resp: 1083243
 Ion Ratio Lower Upper
 202 100
 101 6.7 0.0 27.7
 203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.392 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BP019735.D

Acq: 15 Feb 2024 22:00

Instrument :

BNA_P

ClientSampleId :

SP-F-COMP

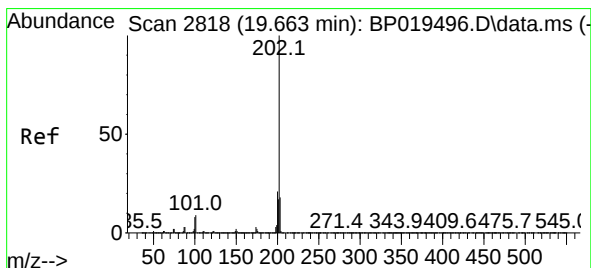
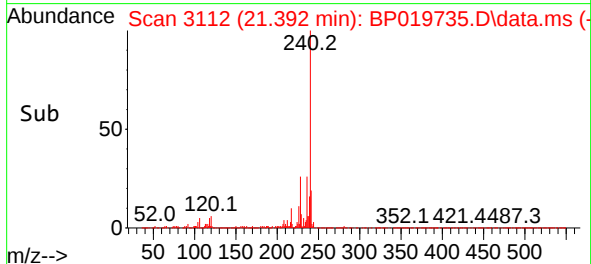
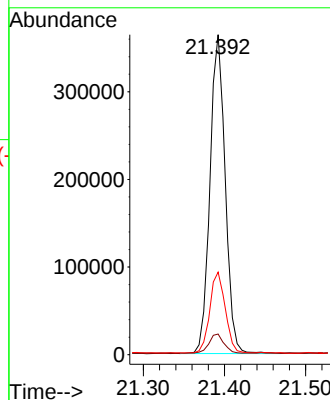
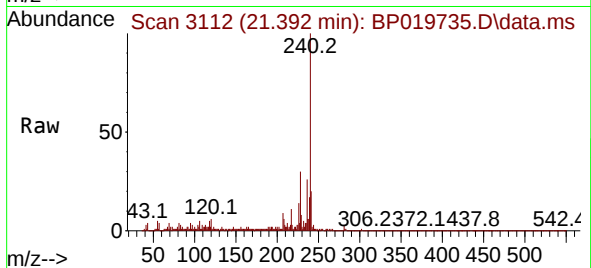
Tgt Ion:240 Resp: 473830
 Ion Ratio Lower Upper
 240 100
 120 6.5 6.1 9.1
 236 25.8 20.7 31.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/17/2024

Supervised By :mohammad ahmed 02/17/2024



#78

Pyrene

Concen: 31.107 ng

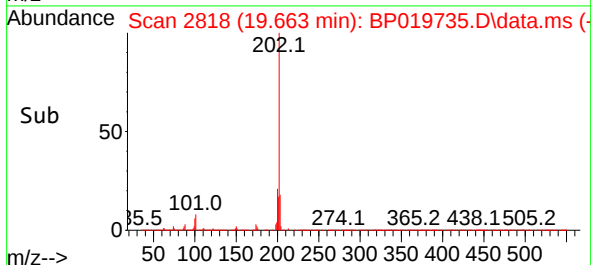
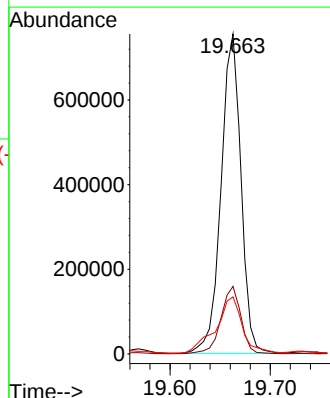
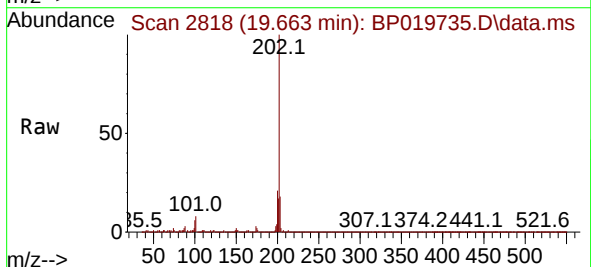
RT: 19.663 min Scan# 2818

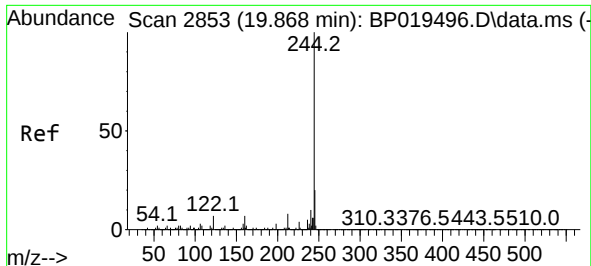
Delta R.T. 0.000 min

Lab File: BP019735.D

Acq: 15 Feb 2024 22:00

Tgt Ion:202 Resp: 1040232
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.9 25.3
 203 17.9 14.2 21.2





#79
 Terphenyl-d14
 Concen: 50.420 ng
 RT: 19.863 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019735.D
 Acq: 15 Feb 2024 22:00

Instrument :

BNA_P

ClientSampleId :

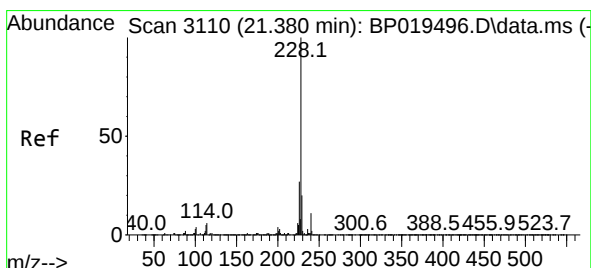
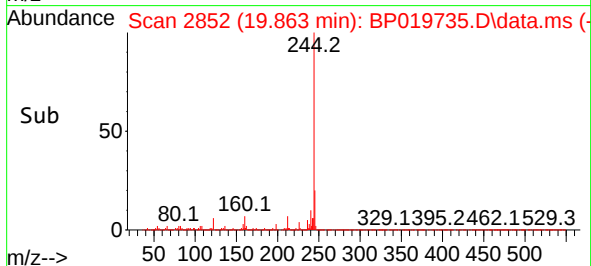
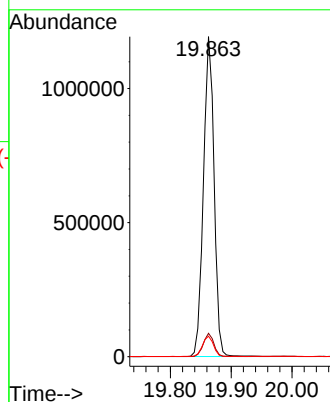
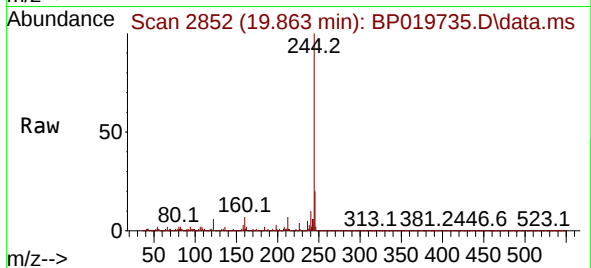
SP-F-COMP

Tgt Ion:244 Resp: 1452719
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 6.4 5.9 8.9

Manual Integrations

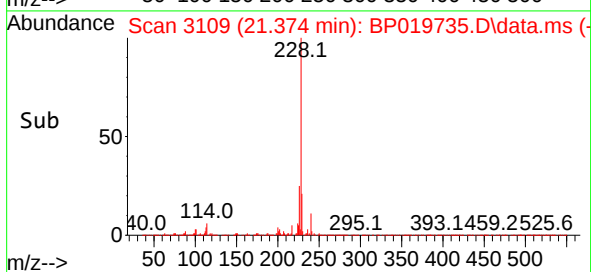
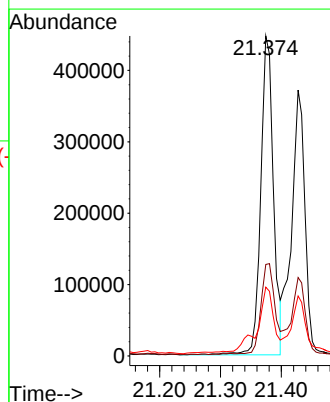
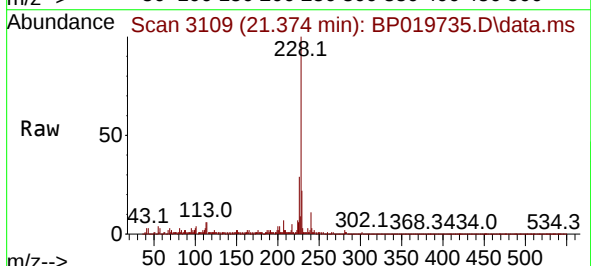
APPROVED

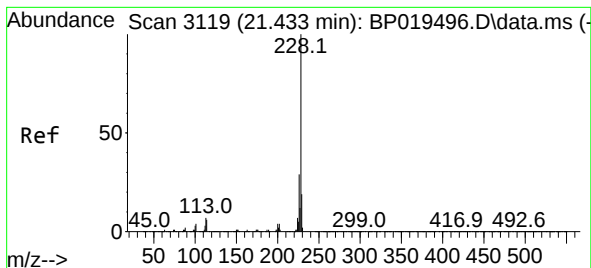
Reviewed By :Yogesh Patel 02/17/2024
 Supervised By :mohammad ahmed 02/17/2024



#81
 Benzo(a)anthracene
 Concen: 19.439 ng
 RT: 21.374 min Scan# 3109
 Delta R.T. -0.006 min
 Lab File: BP019735.D
 Acq: 15 Feb 2024 22:00

Tgt Ion:228 Resp: 648384
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.7 32.5
 229 21.5 15.6 23.4





#83

Chrysene

Concen: 17.791 ng

RT: 21.427 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP019735.D

Acq: 15 Feb 2024 22:00

Instrument :

BNA_P

ClientSampleId :

SP-F-COMP

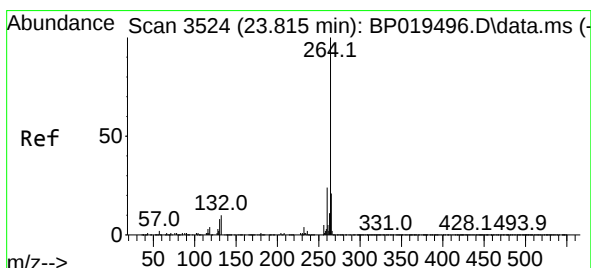
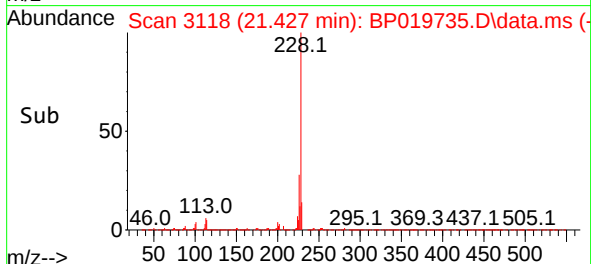
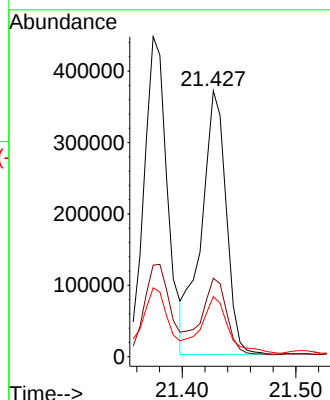
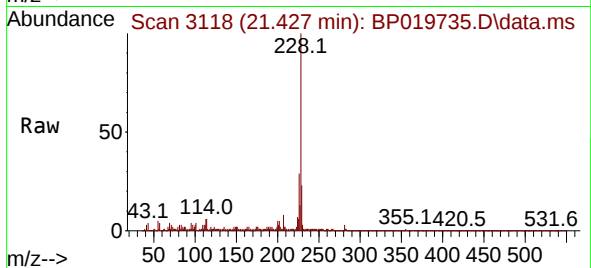
Tgt Ion:	228	Resp:	563389
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.4	35.2
229	22.5	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/17/2024

Supervised By :mohammad ahmed 02/17/2024



#86

Perylene-d12

Concen: 20.000 ng

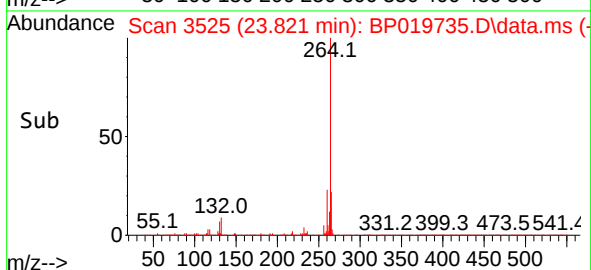
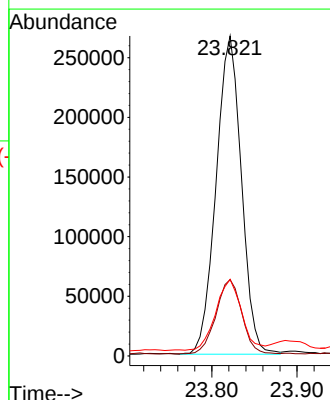
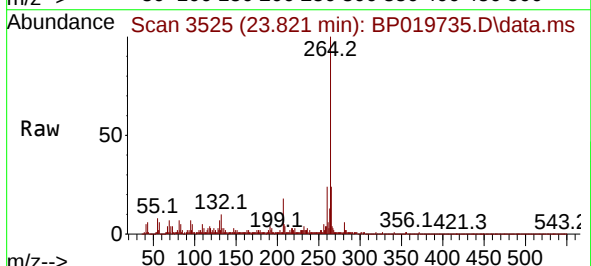
RT: 23.821 min Scan# 3525

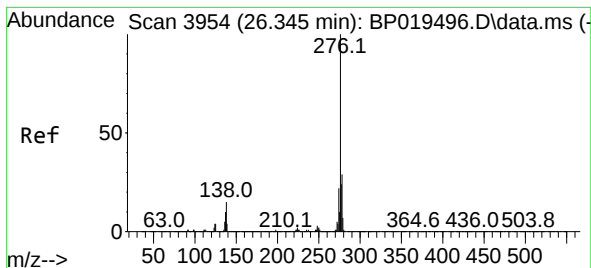
Delta R.T. 0.006 min

Lab File: BP019735.D

Acq: 15 Feb 2024 22:00

Tgt Ion:	264	Resp:	549405
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	23.9	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.807 ng

RT: 26.362 min Scan# 3957

Delta R.T. 0.018 min

Lab File: BP019735.D

Acq: 15 Feb 2024 22:00

Instrument :

BNA_P

ClientSampleId :

SP-F-COMP

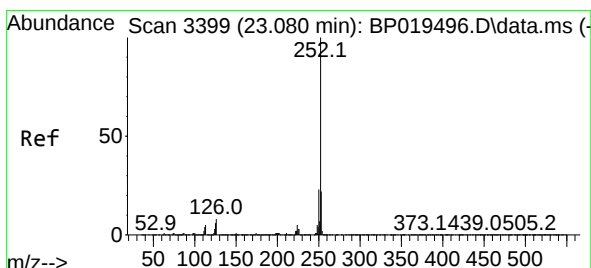
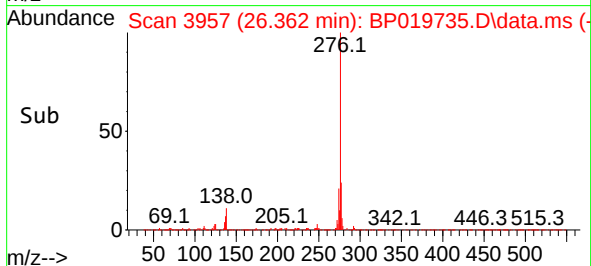
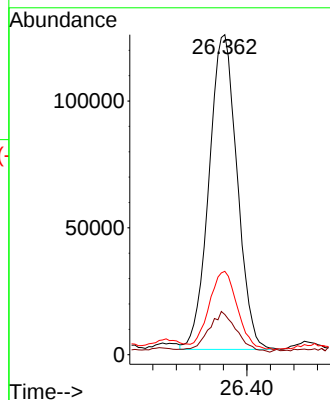
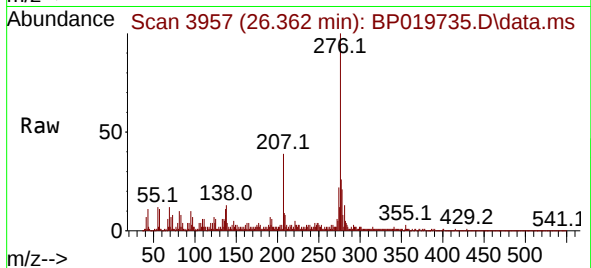
Tgt Ion:	276	Resp:	41241
Ion Ratio	Lower	Upper	
276	100		
138	12.9	13.1	19.7
277	25.1	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/17/2024

Supervised By :mohammad ahmed 02/17/2024



#88

Benzo(b)fluoranthene

Concen: 24.351 ng

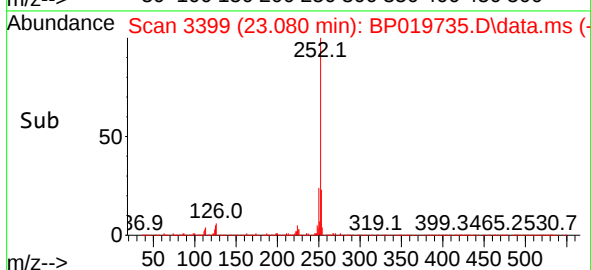
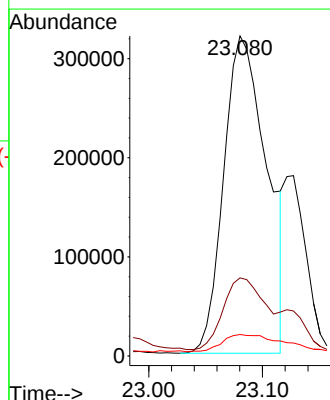
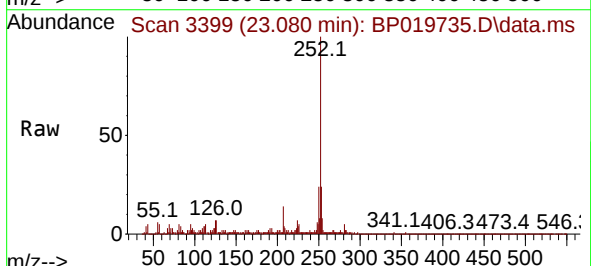
RT: 23.080 min Scan# 3399

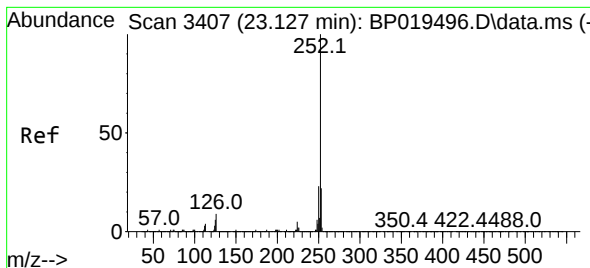
Delta R.T. 0.000 min

Lab File: BP019735.D

Acq: 15 Feb 2024 22:00

Tgt Ion:	252	Resp:	843205
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.3	25.9
125	6.7	4.9	7.3





#89

Benzo(k)fluoranthene

Concen: 7.345 ng m

RT: 23.127 min Scan# 3407

Delta R.T. 0.000 min

Lab File: BP019735.D

Acq: 15 Feb 2024 22:00

Instrument :

BNA_P

ClientSampleId :

SP-F-COMP

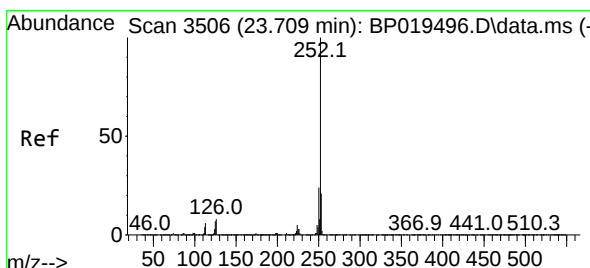
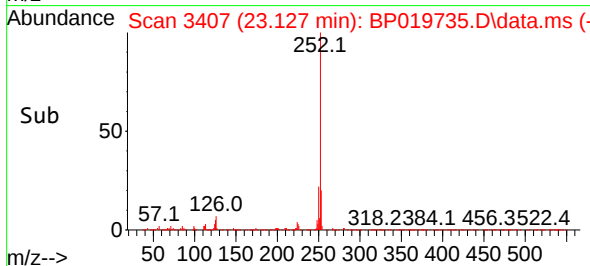
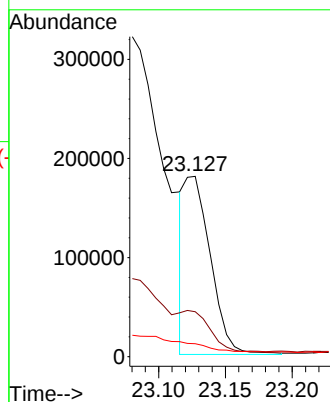
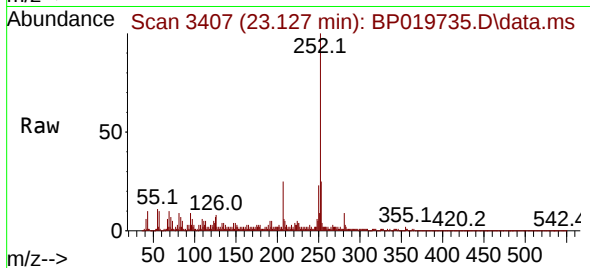
Tgt Ion:	252	Resp:	24294
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.1	25.7
125	7.2	5.0	7.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/17/2024

Supervised By :mohammad ahmed 02/17/2024



#90

Benzo(a)pyrene

Concen: 19.438 ng

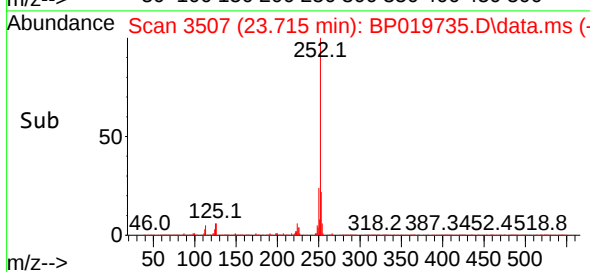
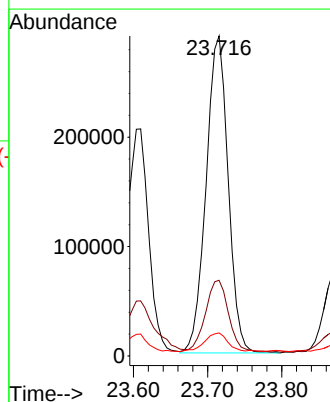
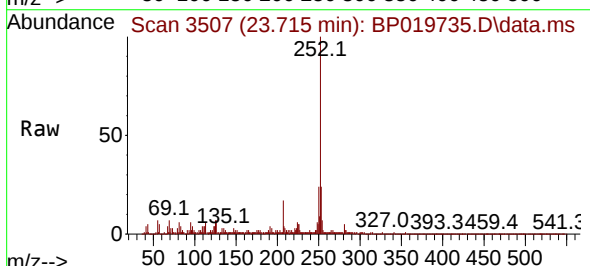
RT: 23.715 min Scan# 3507

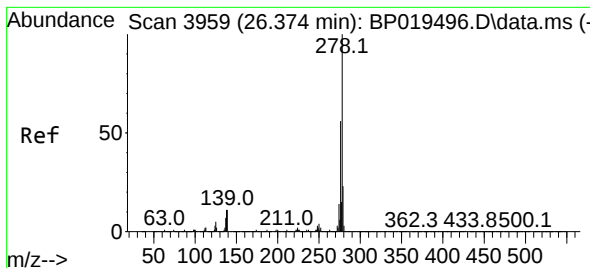
Delta R.T. 0.006 min

Lab File: BP019735.D

Acq: 15 Feb 2024 22:00

Tgt Ion:	252	Resp:	598888
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.1	25.7
125	7.2	5.6	8.4





#91

Dibenzo(a,h)anthracene

Concen: 3.274 ng

RT: 26.368 min Scan# 3958

Delta R.T. -0.006 min

Lab File: BP019735.D

Acq: 15 Feb 2024 22:00

Instrument :

BNA_P

ClientSampleId :

SP-F-COMP

Tgt Ion:278 Resp: 11325

Ion Ratio Lower Upper

278 100

139 17.4 8.6 12.8

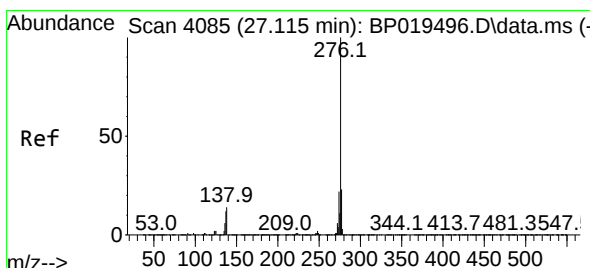
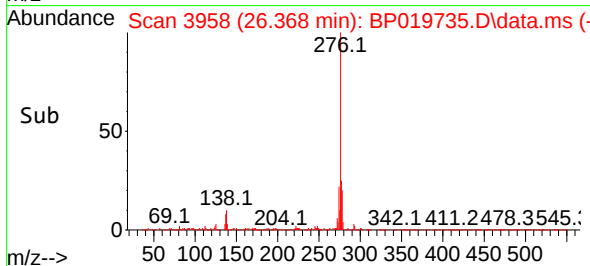
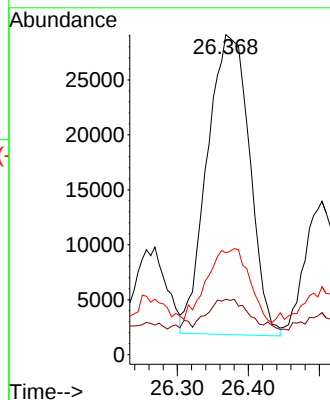
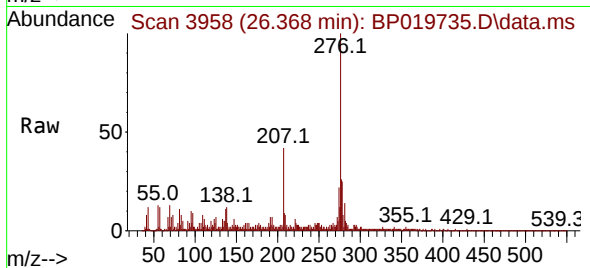
279 31.8 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/17/2024

Supervised By :mohammad ahmed 02/17/2024



#92

Benzo(g,h,i)perylene

Concen: 11.908 ng

RT: 27.145 min Scan# 4090

Delta R.T. 0.030 min

Lab File: BP019735.D

Acq: 15 Feb 2024 22:00

Tgt Ion:276 Resp: 417843

Ion Ratio Lower Upper

276 100

277 24.7 18.6 28.0

138 12.1 10.9 16.3

