

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022224\
 Data File : BP019826.D
 Acq On : 22 Feb 2024 16:06
 Operator : MA/JU
 Sample : P1537-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/23/2024
 Supervised By :mohammad ahmed 02/23/2024

Quant Time: Feb 22 16:44:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 19 23:35:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	93154	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	341261	20.000	ng	0.00
39) Acenaphthene-d10	14.528	164	242958	20.000	ng	-0.01
64) Phenanthrene-d10	17.287	188	547214	20.000	ng	0.00
76) Chrysene-d12	21.386	240	531074	20.000	ng	# 0.00
86) Perylene-d12	23.810	264	612484	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	492242	85.177	ng	0.00
7) Phenol-d6	7.069	99	635165	81.512	ng	0.00
23) Nitrobenzene-d5	9.063	82	434730	55.200	ng	0.00
42) 2,4,6-Tribromophenol	16.028	330	404427	114.008	ng	0.00
45) 2-Fluorobiphenyl	13.157	172	1267753	64.506	ng	0.00
79) Terphenyl-d14	19.857	244	1925851	59.637	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.251	152	55299	2.476	ng	96
71) Phenanthrene	17.334	178	235195	8.167	ng	99
72) Anthracene	17.422	178	71028	2.472	ng	97
75) Fluoranthene	19.298	202	547825	15.572	ng	99
78) Pyrene	19.657	202	523443	13.966	ng	99
81) Benzo(a)anthracene	21.369	228	270959	7.248	ng	94
83) Chrysene	21.422	228	277981	7.832	ng	95
87) Indeno(1,2,3-cd)pyrene	26.339	276	173319	3.697	ng	# 95
88) Benzo(b)fluoranthene	23.069	252	357044	9.249	ng	95
89) Benzo(k)fluoranthene	23.116	252	108252m	2.936	ng	
90) Benzo(a)pyrene	23.698	252	246804	7.186	ng	95
92) Benzo(g,h,i)perylene	27.115	276	181667	4.644	ng	98

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

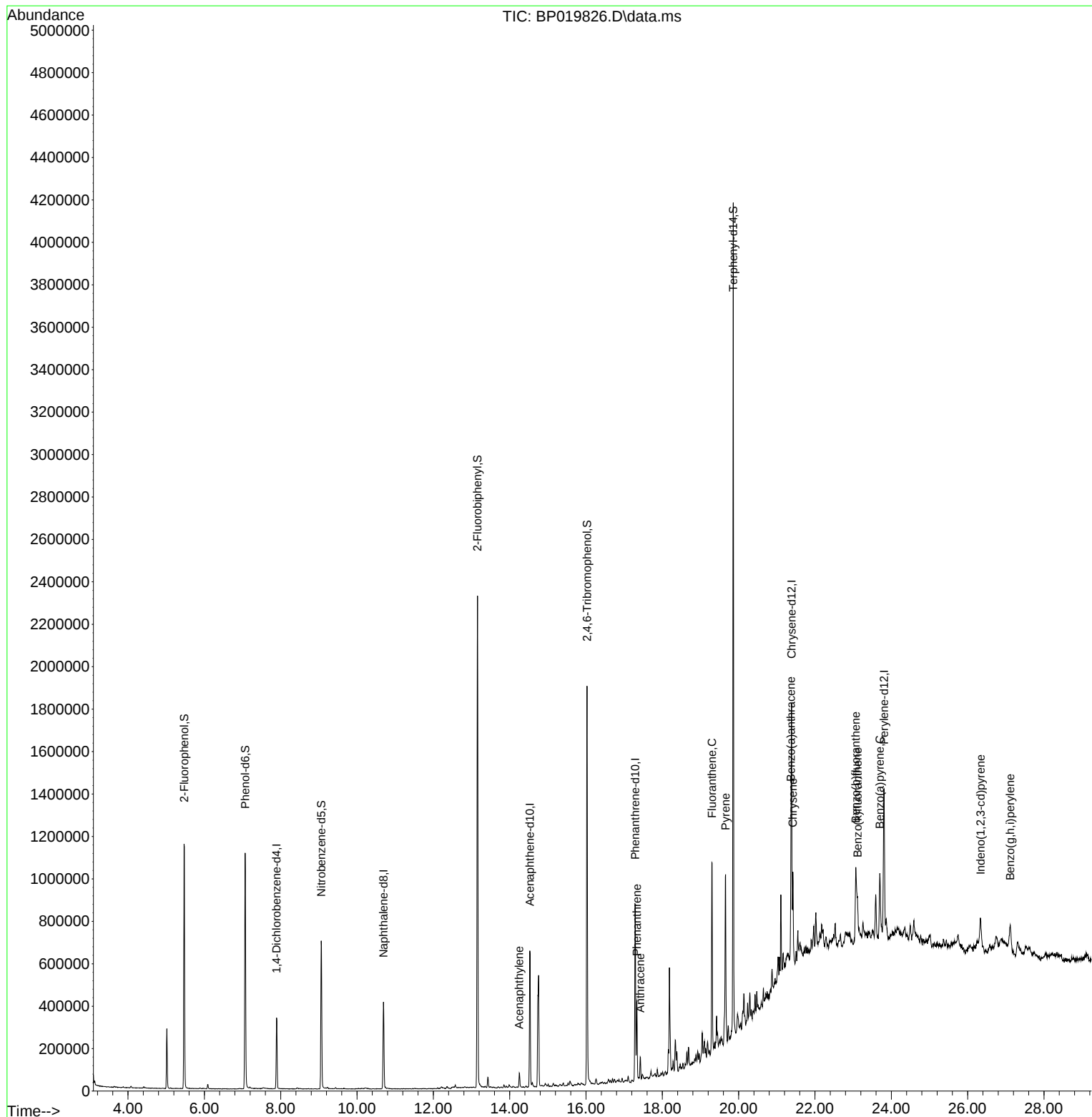
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022224\
Data File : BP019826.D
Acq On : 22 Feb 2024 16:06
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ALS Vial : 11 Sample Multiplier: 1

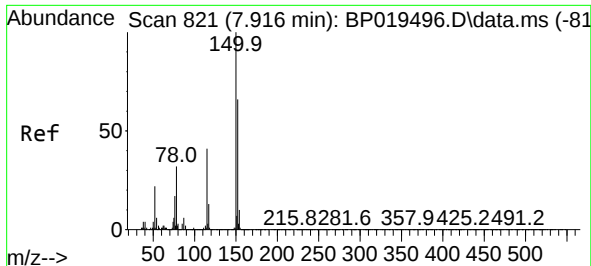
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Quant Time: Feb 22 16:44:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 19 23:35:42 2024
Response via : Initial Calibration

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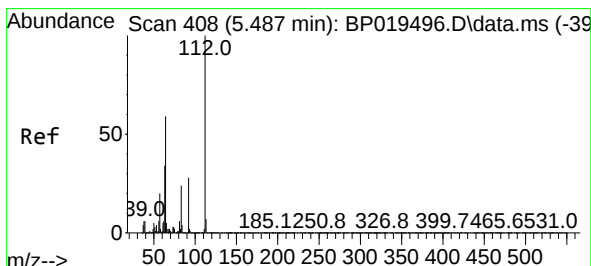
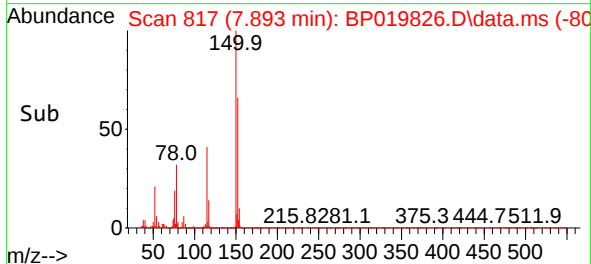
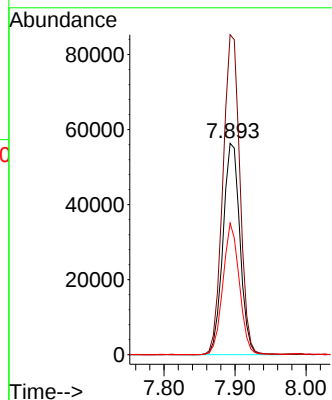
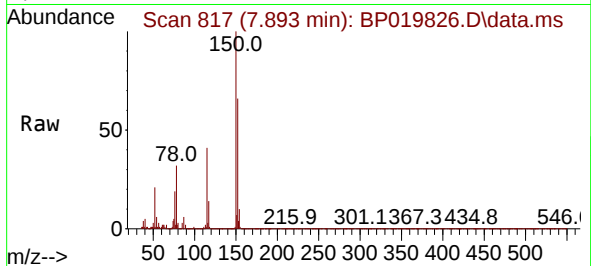
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

Instrument :
BNA_P
ClientSampleId :
8

Tgt Ion:152 Resp: 93154
Ion Ratio Lower Upper
152 100
150 151.3 121.8 182.8
115 62.2 49.9 74.9

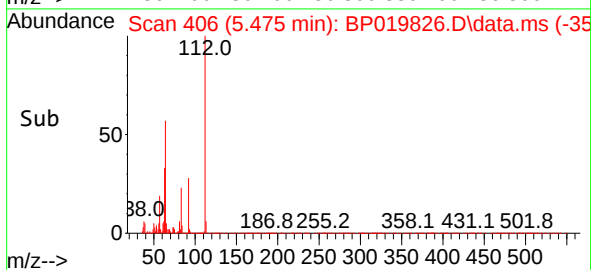
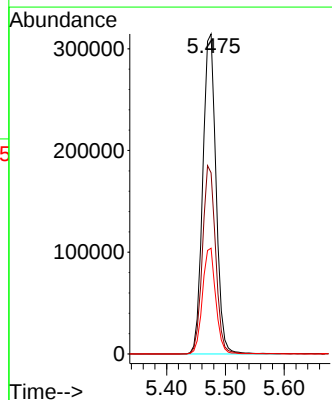
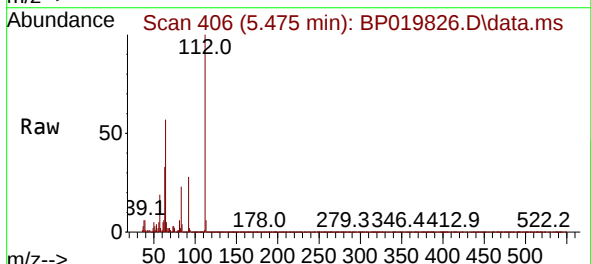
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#5
2-Fluorophenol
Concen: 85.177 ng
RT: 5.475 min Scan# 406
Delta R.T. 0.000 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

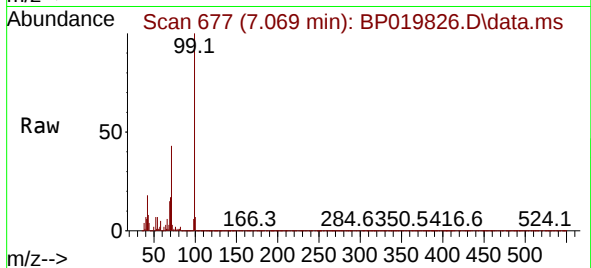
Tgt Ion:112 Resp: 492242
Ion Ratio Lower Upper
112 100
64 56.6 47.4 71.0
63 33.1 27.0 40.6





#7
Phenol-d6
Concen: 81.512 ng
RT: 7.069 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

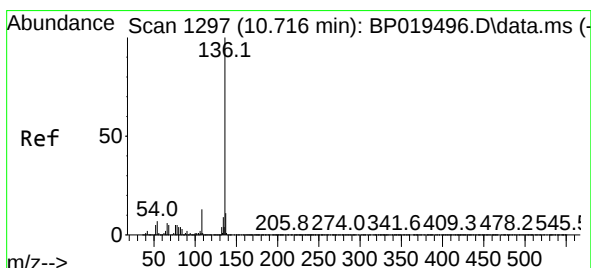
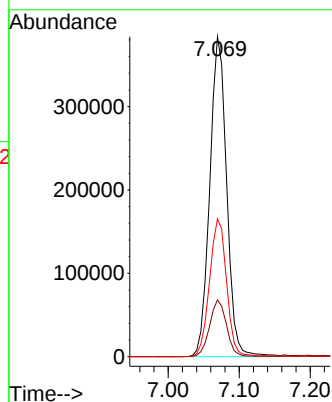
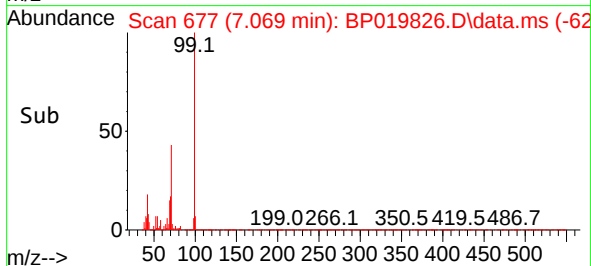
Instrument :
BNA_P
ClientSampleId :
8



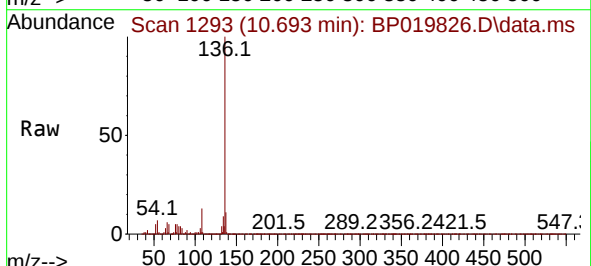
Tgt Ion: 99 Resp: 63516
Ion Ratio Lower Upper
99 100
42 17.8 14.7 22.1
71 43.0 34.8 52.2

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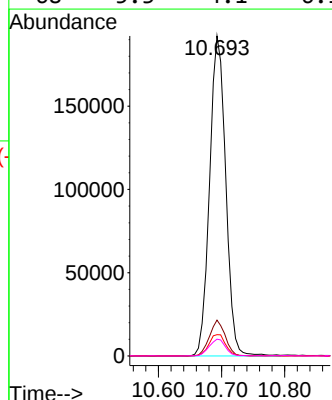
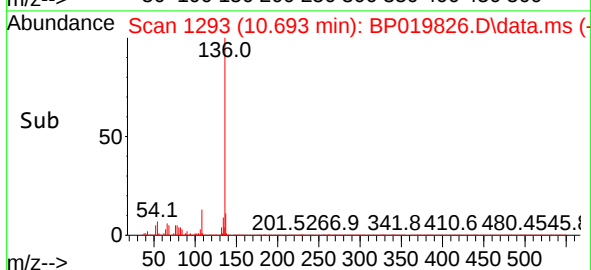
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06



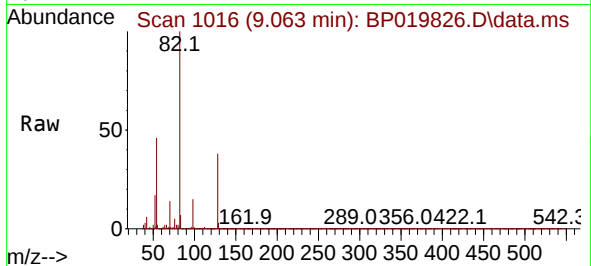
Tgt Ion:136 Resp: 341261
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 6.7 5.3 7.9
68 5.3 4.1 6.1





#23
Nitrobenzene-d5
Concen: 55.200 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

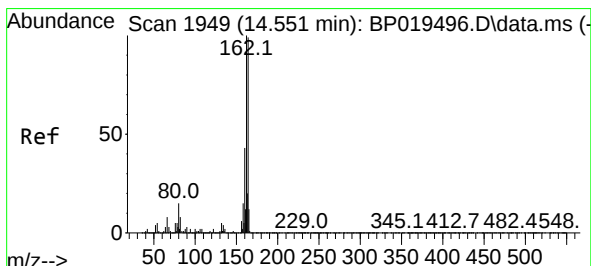
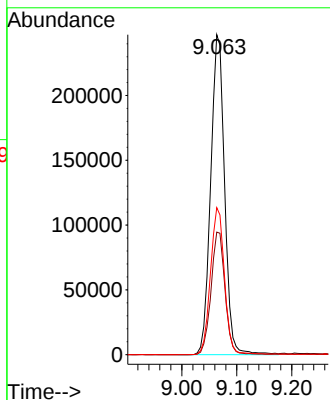
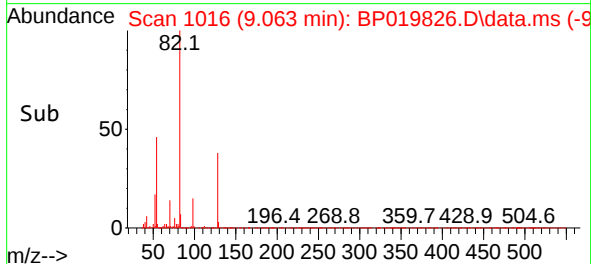
Instrument :
BNA_P
ClientSampleId :
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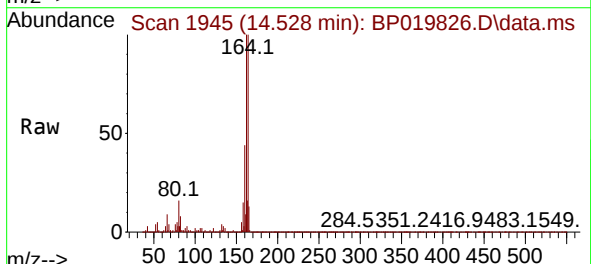
Tgt Ion: 82 Resp: 434730
Ion Ratio Lower Upper
82 100
128 38.3 29.7 44.5
54 46.0 36.8 55.2

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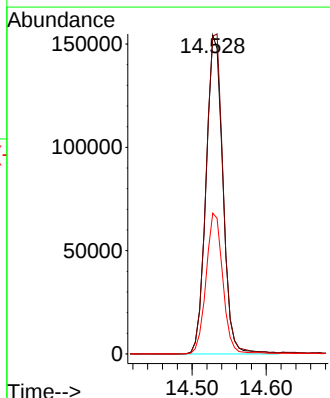
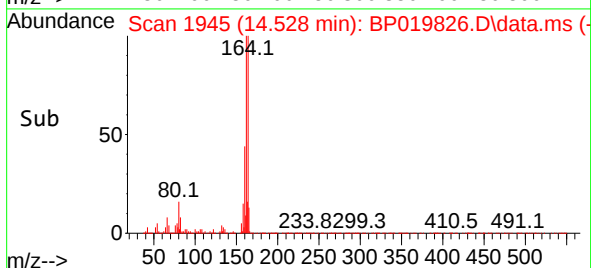
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024

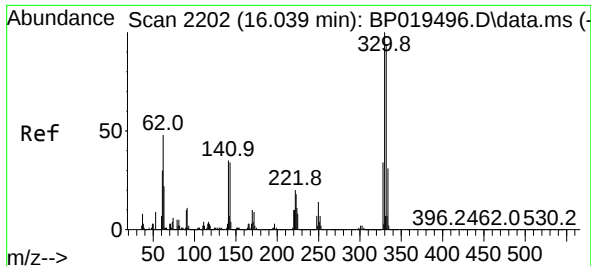


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.528 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06



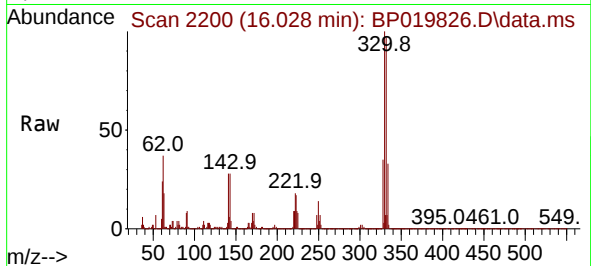
Tgt Ion:164 Resp: 242958
Ion Ratio Lower Upper
164 100
162 99.7 81.2 121.8
160 44.2 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 114.008 ng
RT: 16.028 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

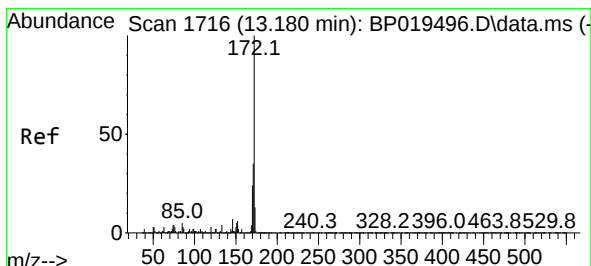
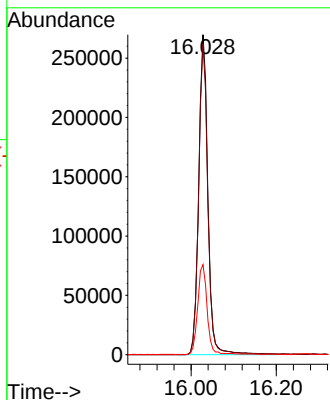
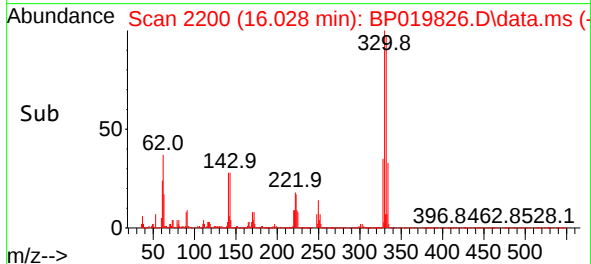
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:330 Resp: 40442
Ion Ratio Lower Upper
330 100
332 97.4 77.2 115.8
141 28.8 27.0 40.4

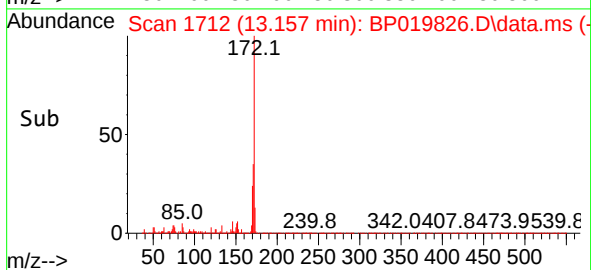
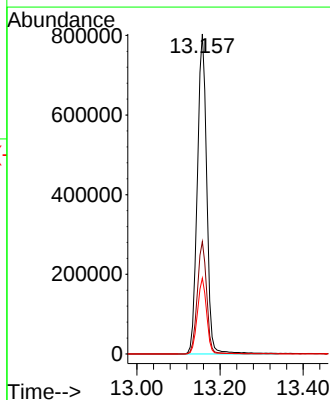
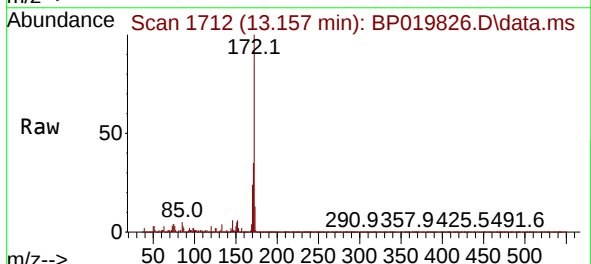
Manual Integrations
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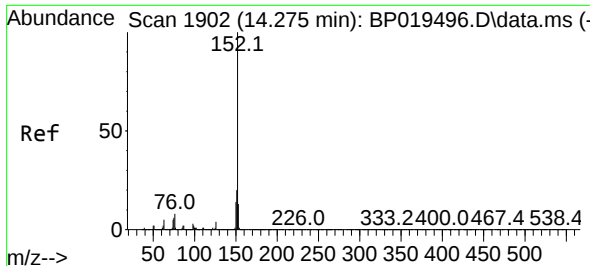
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#45
2-Fluorobiphenyl
Concen: 64.506 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

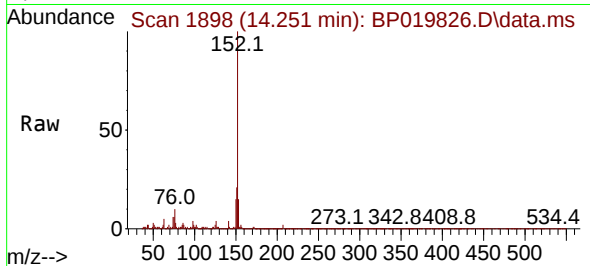
Tgt Ion:172 Resp: 1267753
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 23.7 18.9 28.3





#49
Acenaphthylene
Concen: 2.476 ng
RT: 14.251 min Scan# 1898
Delta R.T. -0.012 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

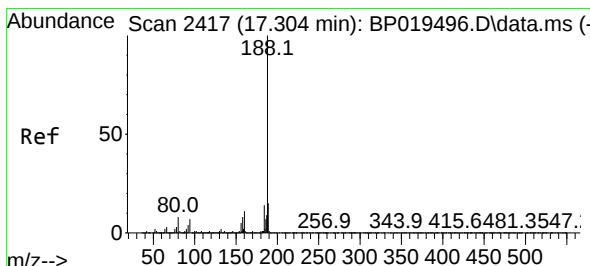
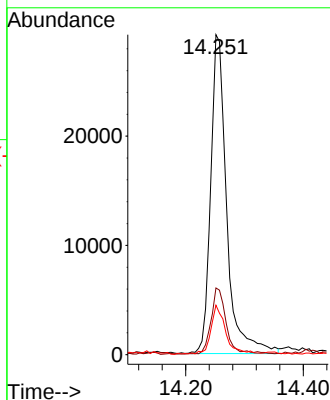
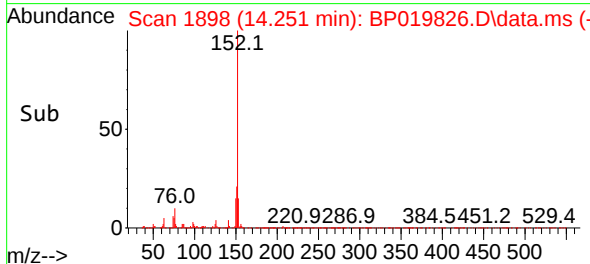
Instrument :
BNA_P
ClientSampleId :
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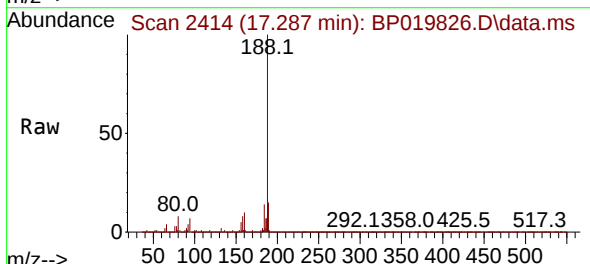
Tgt Ion:152 Resp: 55298
Ion Ratio Lower Upper
152 100
151 20.9 15.8 23.6
153 15.5 10.6 15.8

Manual Integrations
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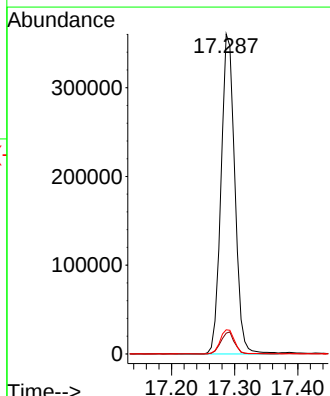
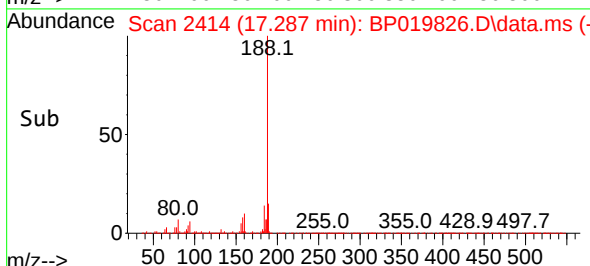
Reviewed By :Yogesh Patel 02/23/2024
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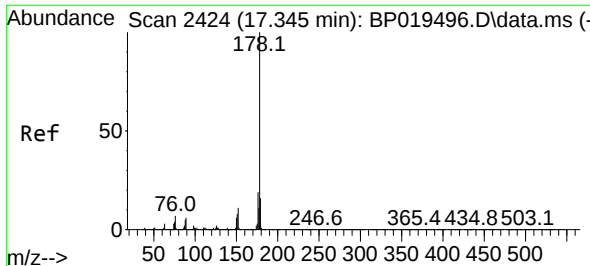


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.287 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06



Tgt Ion:188 Resp: 547214
Ion Ratio Lower Upper
188 100
94 6.5 5.4 8.2
80 7.6 6.3 9.5





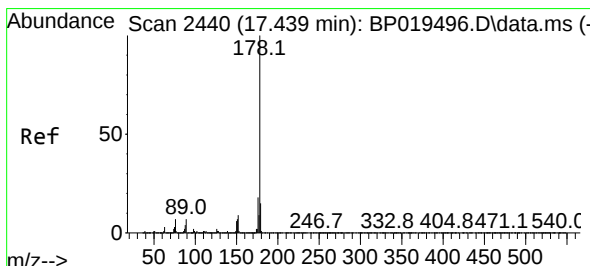
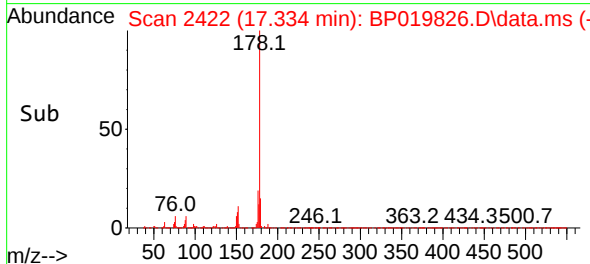
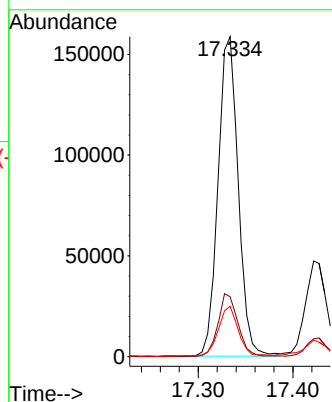
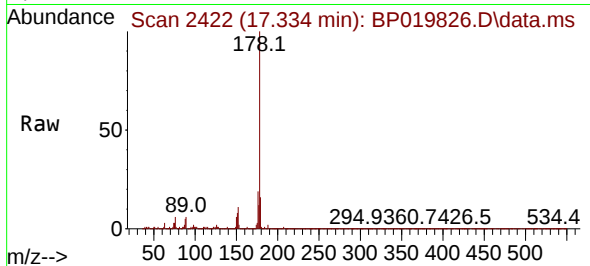
#71
Phenanthrene
Concen: 8.167 ng
RT: 17.334 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

Instrument :
BNA_P
ClientSampleId :
8

Tgt Ion:178 Resp: 23519
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.7 12.6 19.0

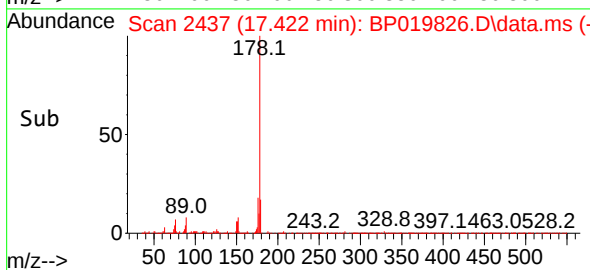
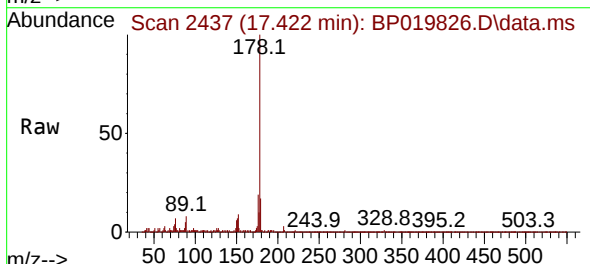
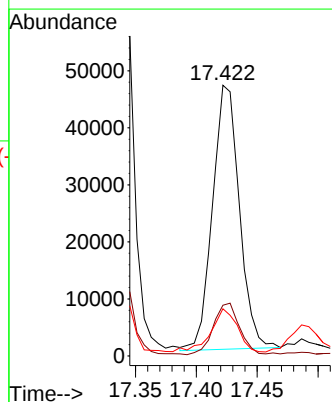
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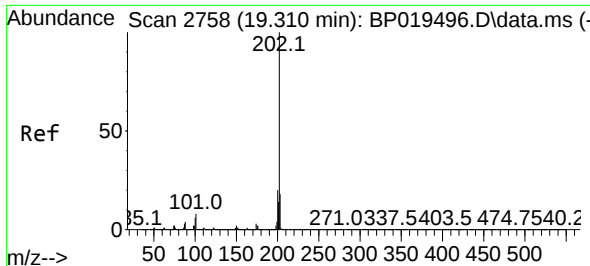
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#72
Anthracene
Concen: 2.472 ng
RT: 17.422 min Scan# 2437
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

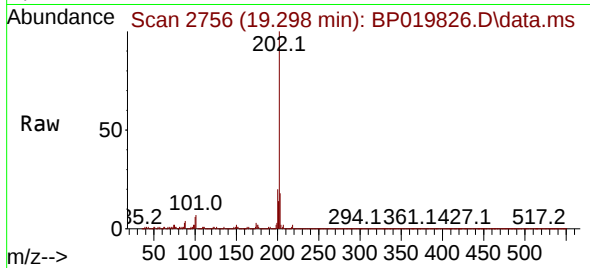
Tgt Ion:178 Resp: 71028
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 17.4 12.2 18.2





#75
Fluoranthene
Concen: 15.572 ng
RT: 19.298 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

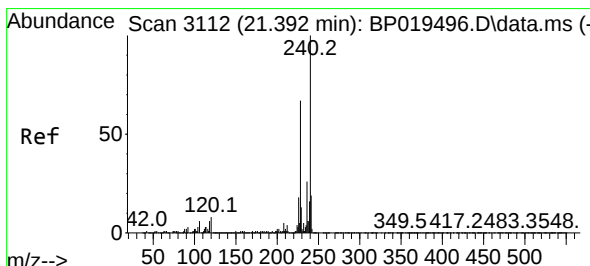
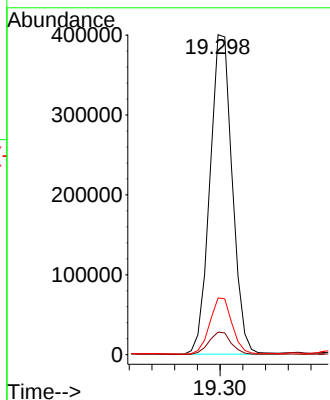
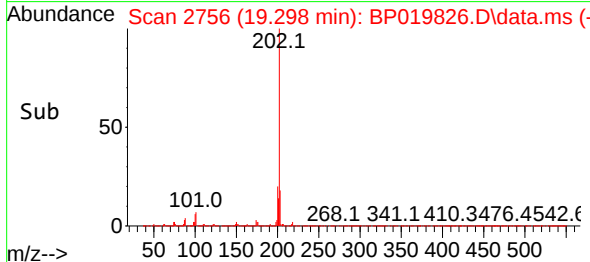
Instrument :
BNA_P
ClientSampleId :
8



Tgt Ion:202 Resp: 547825
Ion Ratio Lower Upper
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101 7.1 0.0 27.7
203 17.7 0.0 37.5

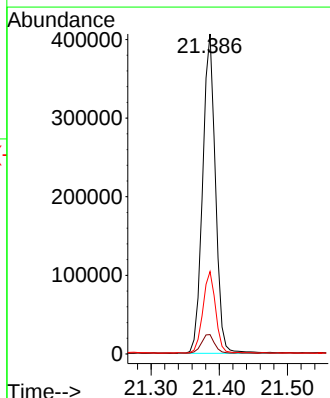
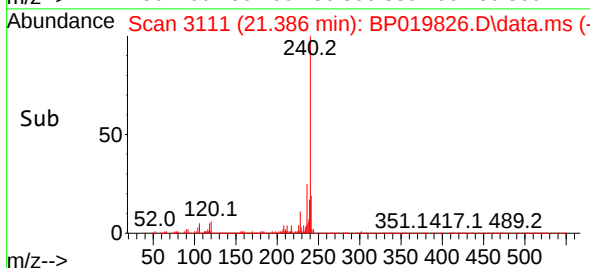
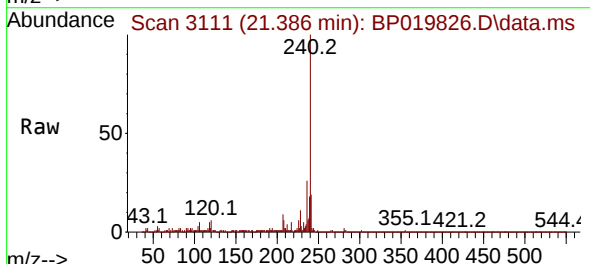
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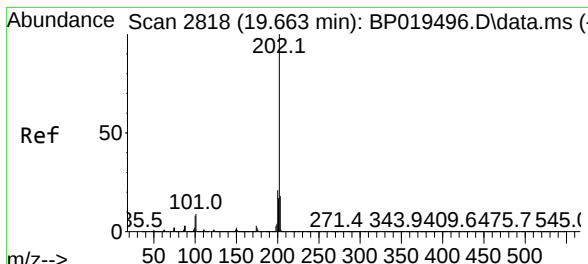
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

Tgt Ion:240 Resp: 531074
Ion Ratio Lower Upper
240 100
120 6.1 6.1 9.1#
236 25.7 20.7 31.1



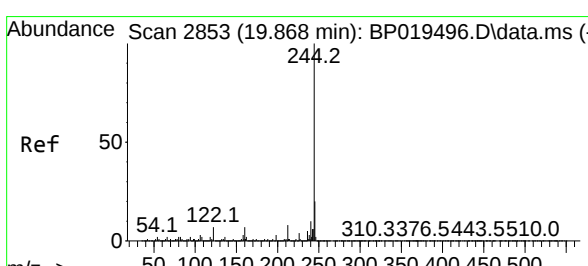
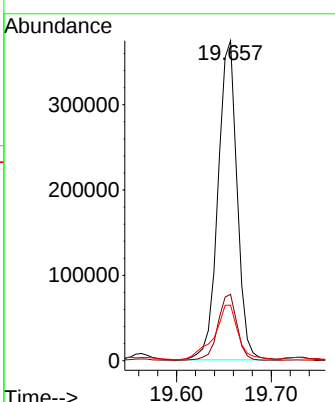
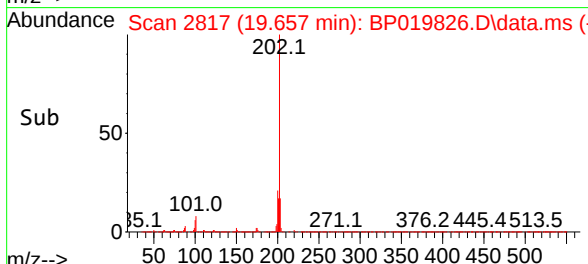
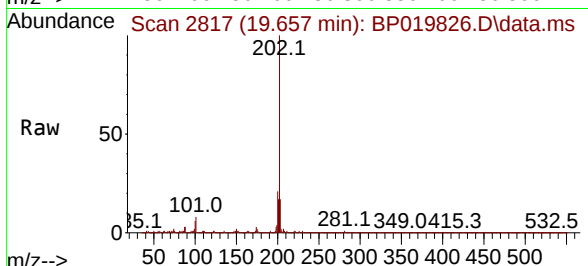


#78
 Pyrene
 Concen: 13.966 ng
 RT: 19.657 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP019826.D
 Acq: 22 Feb 2024 16:06

Instrument :
 BNA_P
 ClientSampleId :
 8

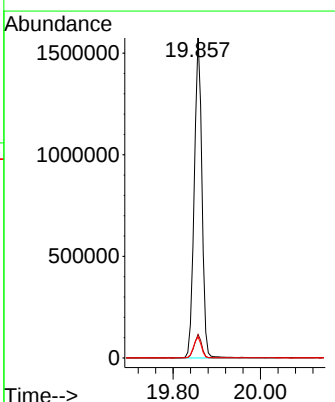
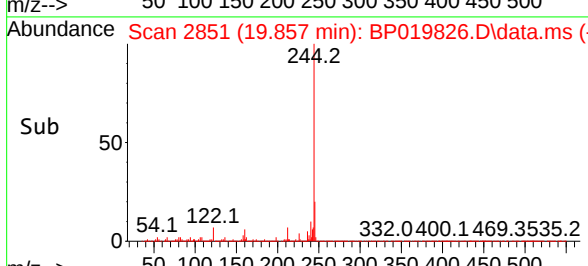
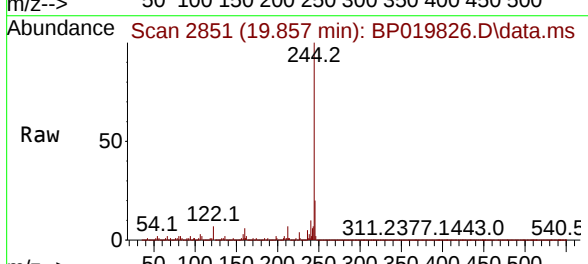
Tgt Ion:	202	Resp:	52344
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.9	25.3
203	17.4	14.2	21.2

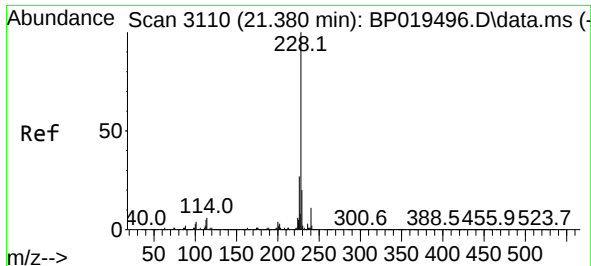
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 02/23/2024
 Supervised By :mohammad ahmed 02/23/2024



#79
 Terphenyl-d14
 Concen: 59.637 ng
 RT: 19.857 min Scan# 2851
 Delta R.T. -0.006 min
 Lab File: BP019826.D
 Acq: 22 Feb 2024 16:06

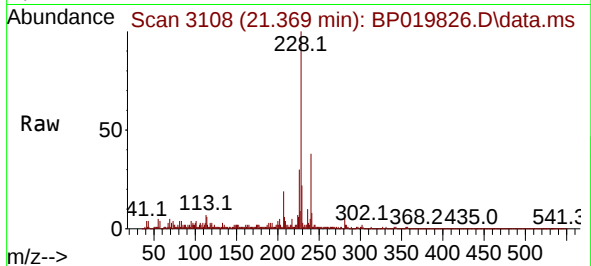
Tgt Ion:	244	Resp:	1925851
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.1	9.1
122	6.6	5.9	8.9





#81
Benzo(a)anthracene
Concen: 7.248 ng
RT: 21.369 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

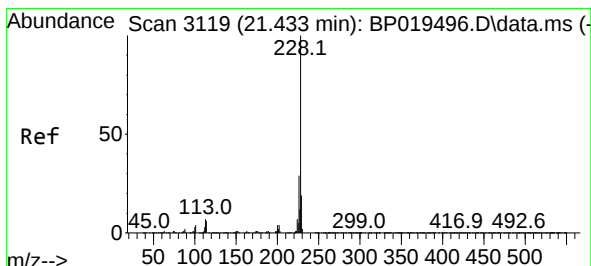
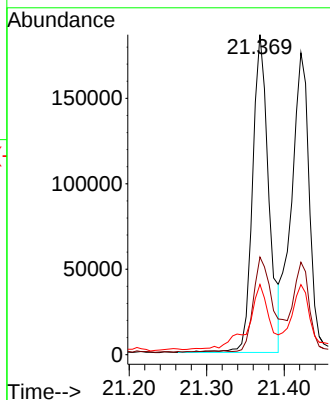
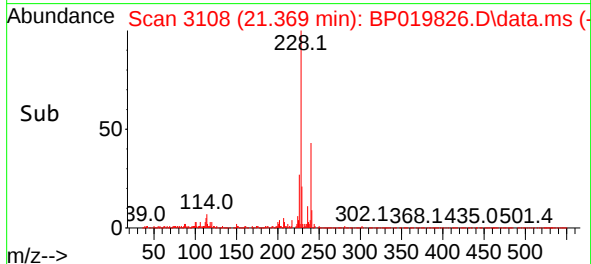
Instrument :
BNA_P
ClientSampleId :
8



Tgt Ion:228 Resp: 270959
Ion Ratio Lower Upper
228 100
226 30.5 21.7 32.5
229 22.0 15.6 23.4

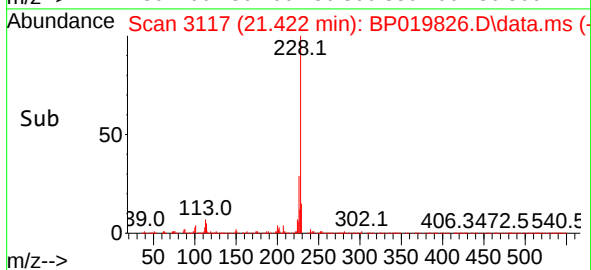
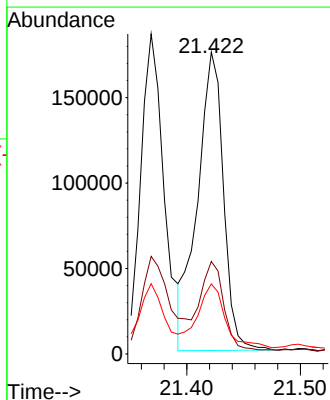
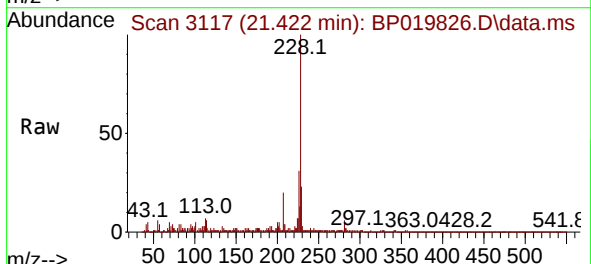
Manual Integrations
APPROVED

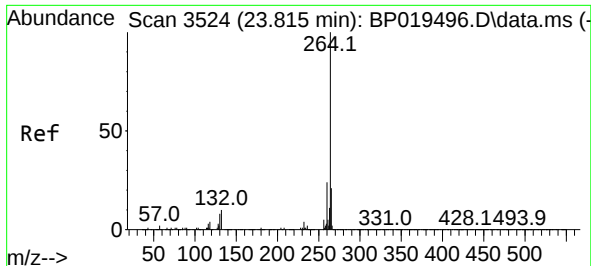
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#83
Chrysene
Concen: 7.832 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

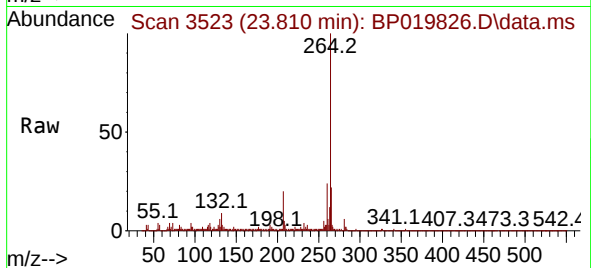
Tgt Ion:228 Resp: 277981
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.2
229 23.2 15.6 23.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.810 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BP019826.D
 Acq: 22 Feb 2024 16:06

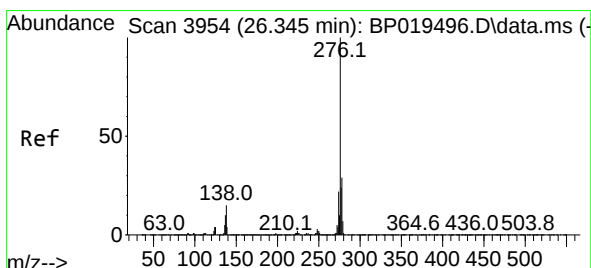
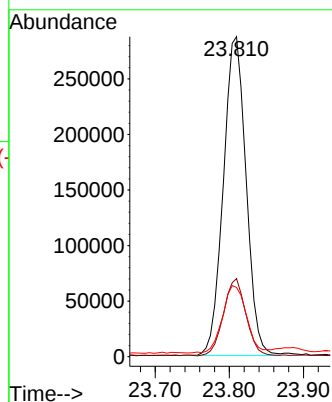
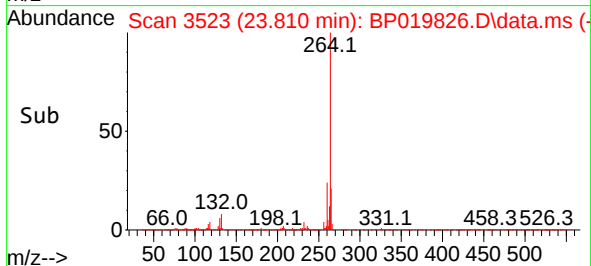
Instrument :
 BNA_P
 ClientSampleId :
 8



Tgt Ion:264 Resp: 612484
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 21.6 17.0 25.4

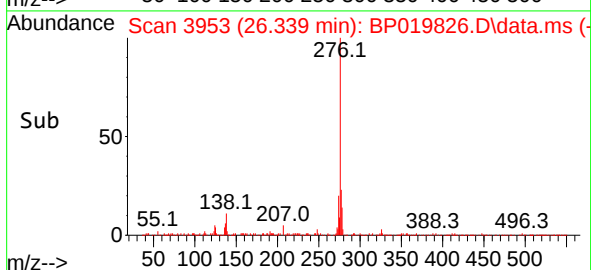
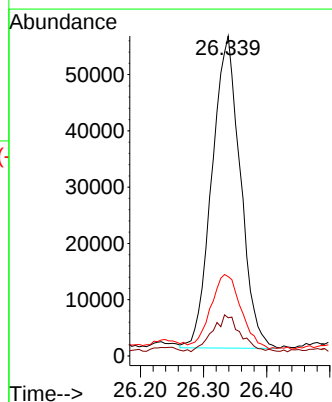
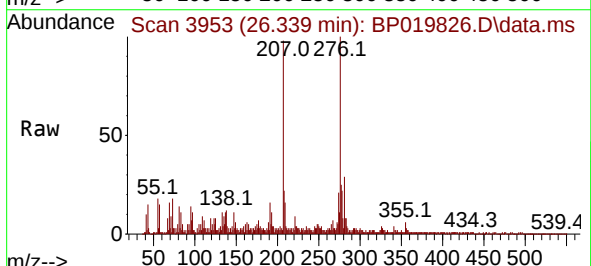
Manual Integrations
 APPROVED

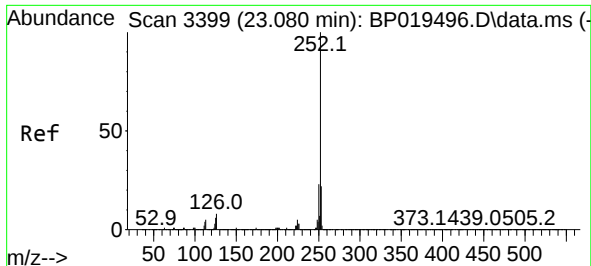
Reviewed By :Yogesh Patel 02/23/2024
 Supervised By :mohammad ahmed 02/23/2024



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.697 ng
 RT: 26.339 min Scan# 3953
 Delta R.T. -0.006 min
 Lab File: BP019826.D
 Acq: 22 Feb 2024 16:06

Tgt Ion:276 Resp: 173319
 Ion Ratio Lower Upper
 276 100
 138 11.5 13.1 19.7#
 277 25.2 20.3 30.5





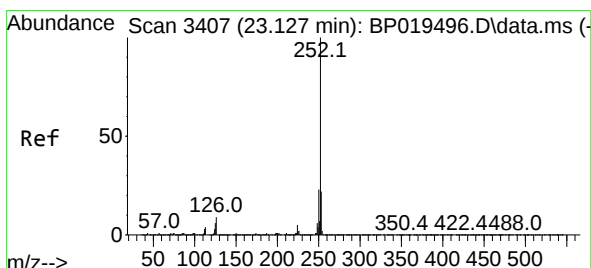
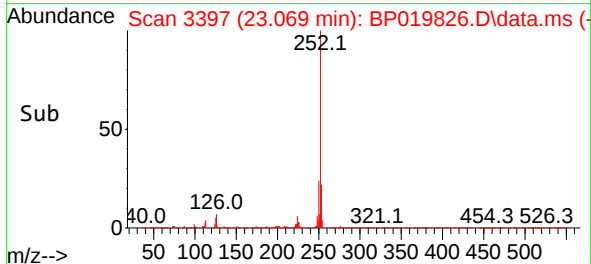
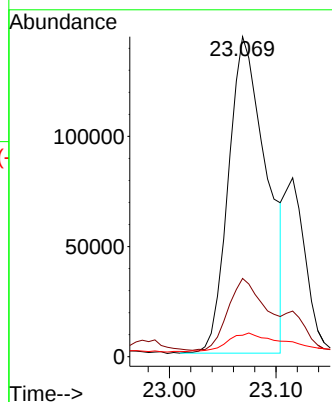
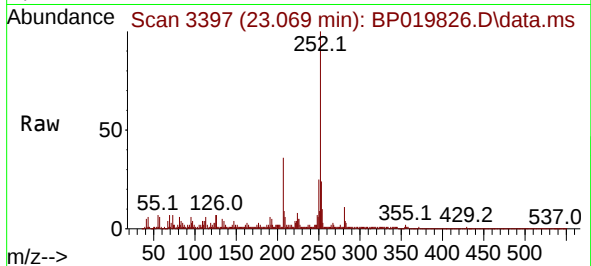
#88
Benzo(b)fluoranthene
Concen: 9.249 ng
RT: 23.069 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

Instrument :
BNA_P
ClientSampleId :
8

Tgt Ion:252 Resp: 35704
Ion Ratio Lower Upper
252 100
253 24.4 17.3 25.9
125 6.7 4.9 7.3

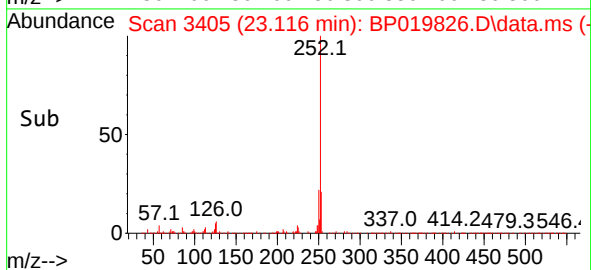
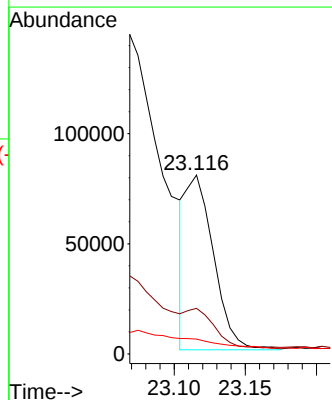
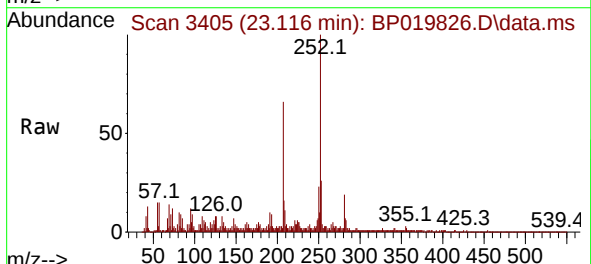
Manual Integrations
APPROVED

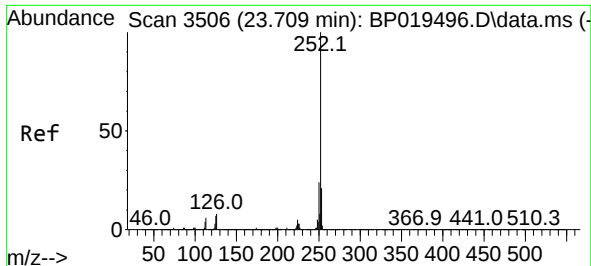
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#89
Benzo(k)fluoranthene
Concen: 2.936 ng m
RT: 23.116 min Scan# 3405
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

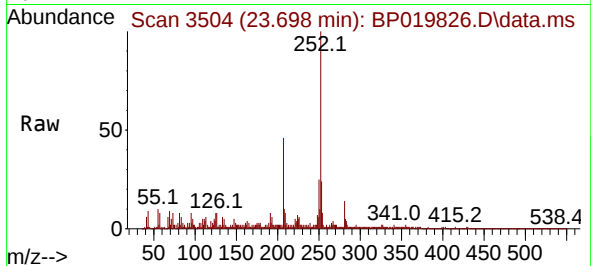
Tgt Ion:252 Resp: 108252
Ion Ratio Lower Upper
252 100
253 25.5 17.1 25.7
125 8.3 5.0 7.6#





#90
Benzo(a)pyrene
Concen: 7.186 ng
RT: 23.698 min Scan# 3504
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

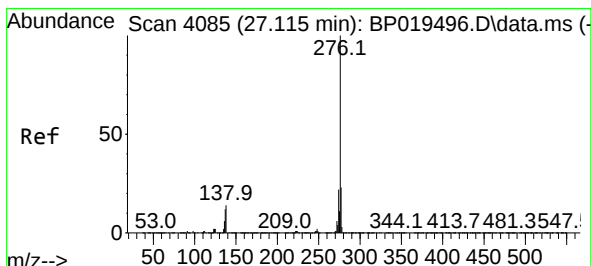
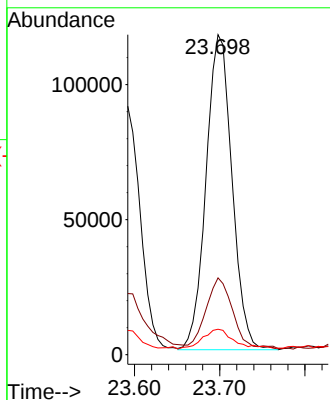
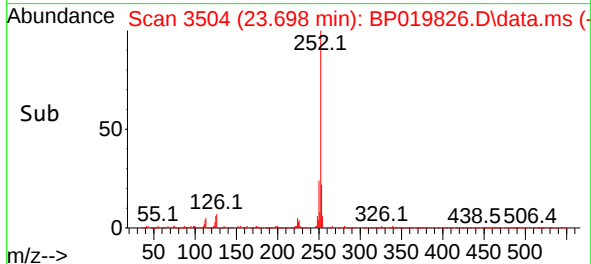
Instrument :
BNA_P
ClientSampleId :
8



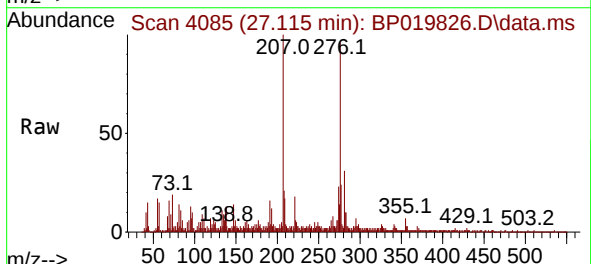
Tgt Ion:252 Resp: 246804
Ion Ratio Lower Upper
252 100
253 24.0 17.1 25.7
125 7.9 5.6 8.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#92
Benzo(g,h,i)perylene
Concen: 4.644 ng
RT: 27.115 min Scan# 4085
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06



Tgt Ion:276 Resp: 181667
Ion Ratio Lower Upper
276 100
277 24.9 18.6 28.0
138 14.0 10.9 16.3

