

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120524\
 Data File : BF140756.D
 Acq On : 05 Dec 2024 18:37
 Operator : RC/JU
 Sample : P5105-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CTWK-COMP-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

12/07/2024
 Supervised By :mohammad
 ahmed

Quant Time: Dec 06 00:07:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	64491	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	226256	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	105193	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	153445	20.000	ng	0.00
76) Chrysene-d12	14.057	240	132597	20.000	ng	0.00
86) Perylene-d12	15.568	264	122214	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	314953	83.326	ng	0.00
7) Phenol-d6	6.510	99	405768	81.203	ng	0.00
23) Nitrobenzene-d5	7.433	82	266129	60.164	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	77217	68.634	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	462966	65.574	ng	-0.01
79) Terphenyl-d14	12.980	244	369626	43.406	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	9.769	152	119387	13.278	ng	99
71) Phenanthrene	11.421	178	89241	12.099	ng	99
72) Anthracene	11.474	178	42452	5.884	ng	97
75) Fluoranthene	12.615	202	211514	26.412	ng	97
78) Pyrene	12.851	202	376869	30.739	ng	97
81) Benzo(a)anthracene	14.045	228	198793m	22.648	ng	
83) Chrysene	14.080	228	273400	34.065	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	78066	9.802	ng	96
88) Benzo(b)fluoranthene	15.133	252	210579m	27.432	ng	
89) Benzo(k)fluoranthene	15.145	252	69572m	10.357	ng	
90) Benzo(a)pyrene	15.504	252	141270	22.634	ng	97
91) Dibenzo(a,h)anthracene	17.086	278	26580	4.075	ng	# 88
92) Benzo(g,h,i)perylene	17.545	276	92188	13.850	ng	99

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

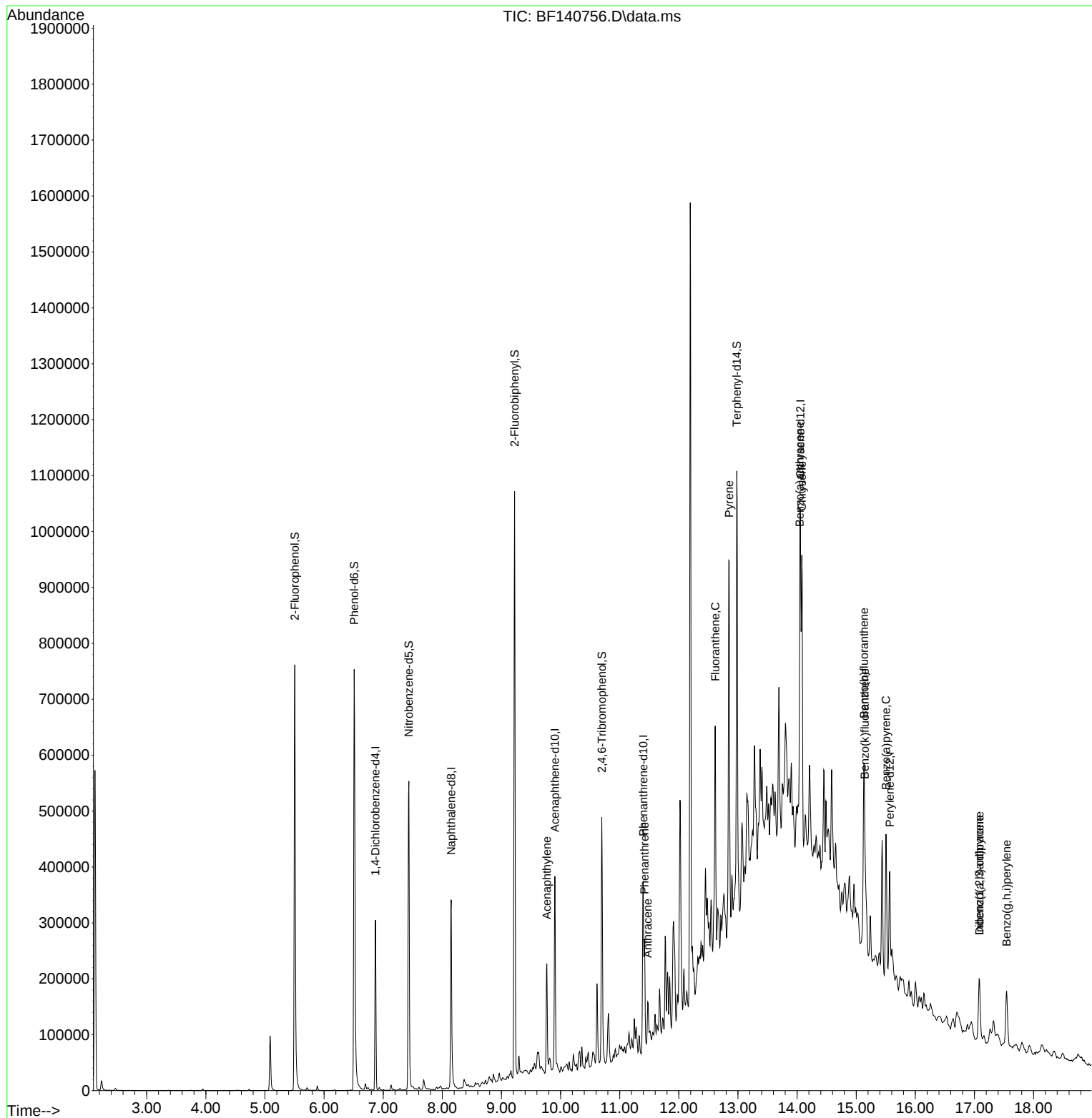
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120524\
Data File : BF140756.D
Acq On : 05 Dec 2024 18:37
Operator : RC/JU
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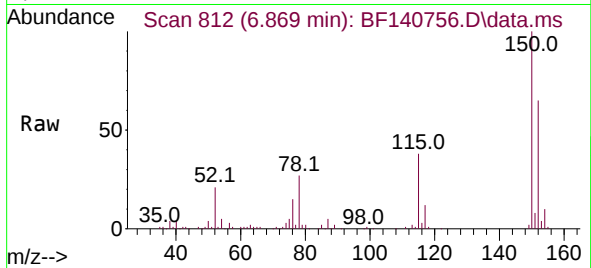
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

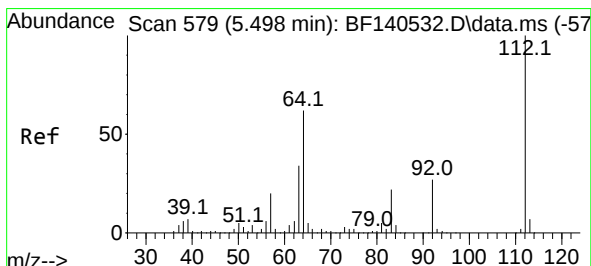
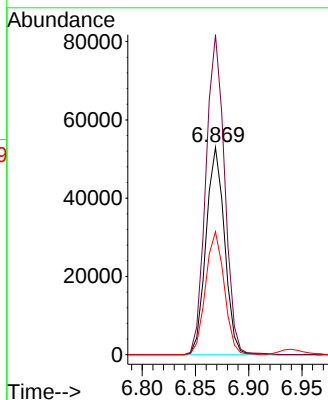
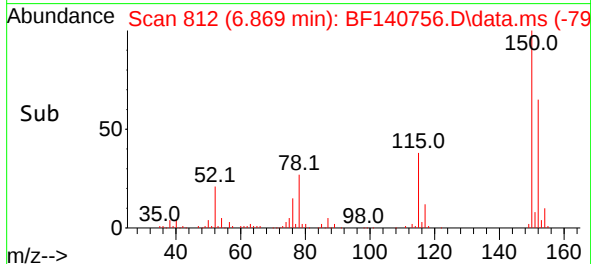
Instrument :
BNA_F
ClientSampleId :
CTWK-COMP-1



Tgt Ion:152 Resp: 6449
Ion Ratio Lower Upper
152 100
150 154.3 128.5 192.7
115 59.4 50.2 75.4

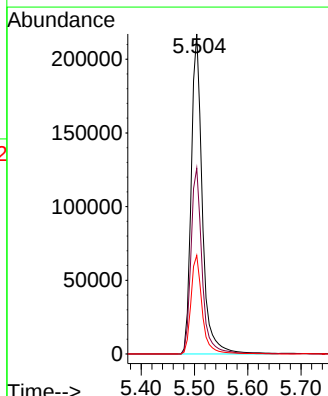
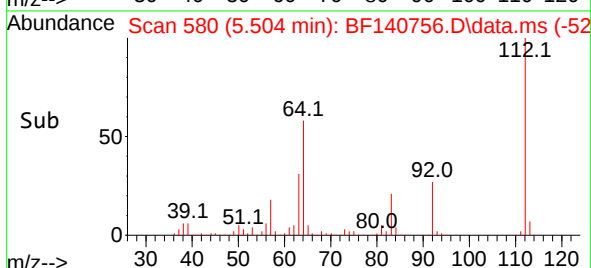
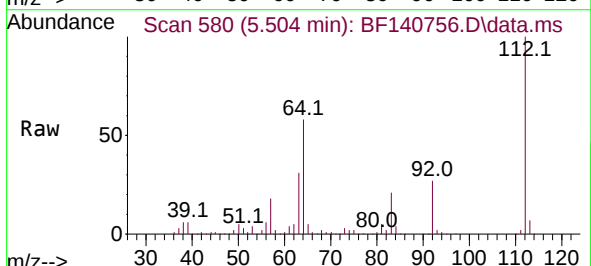
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Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024



#5
2-Fluorophenol
Concen: 83.326 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Tgt Ion:112 Resp: 314953
Ion Ratio Lower Upper
112 100
64 58.0 49.2 73.8
63 30.8 27.0 40.4





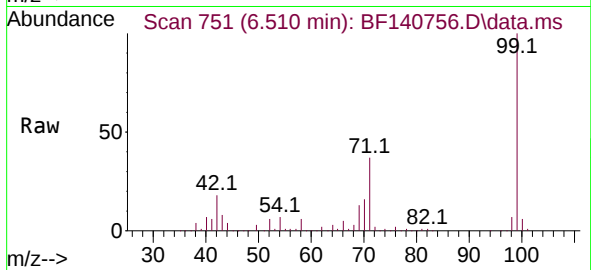
#7
Phenol-d6
Concen: 81.203 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP-1

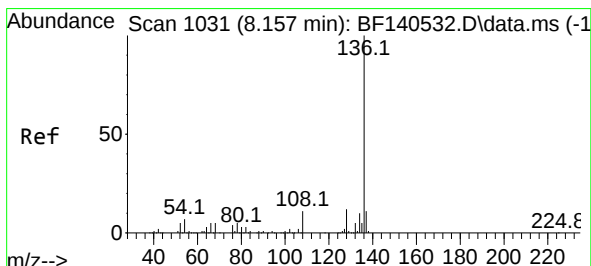
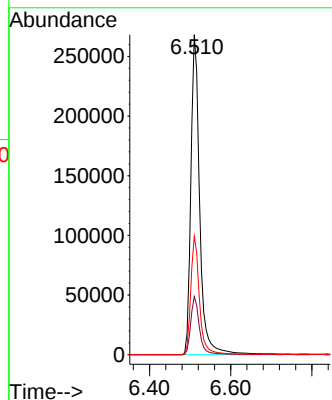
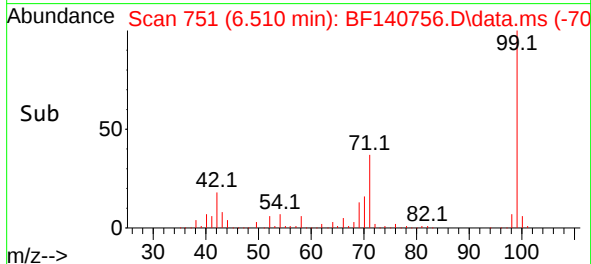


Tgt Ion: 99 Resp: 405768
Ion Ratio Lower Upper
99 100
42 18.1 15.4 23.0
71 37.0 30.6 46.0

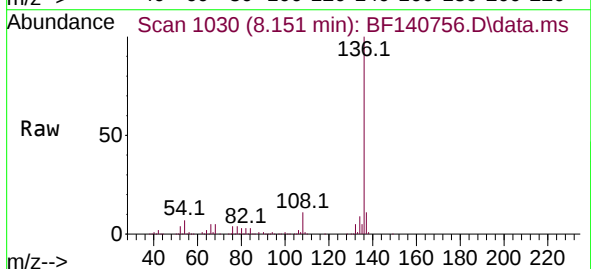
Manual Integrations

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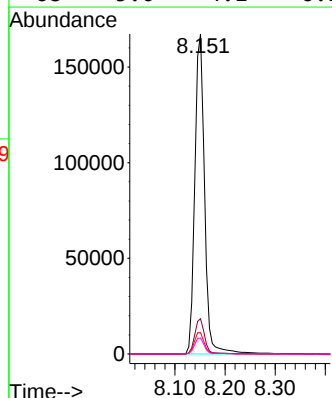
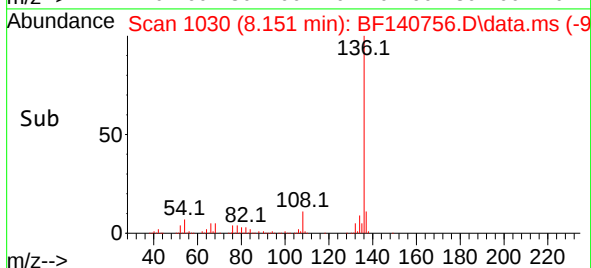
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024

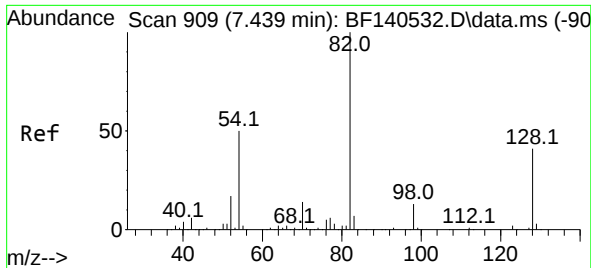


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37



Tgt Ion:136 Resp: 226256
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 6.6 5.8 8.8
68 5.0 4.1 6.1





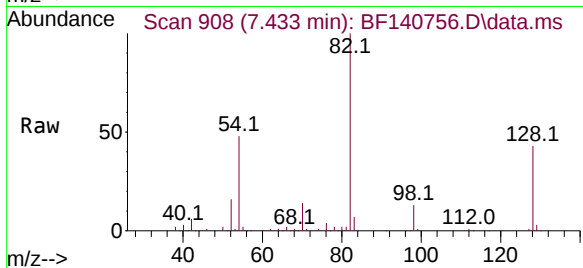
#23
Nitrobenzene-d5
Concen: 60.164 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP-1

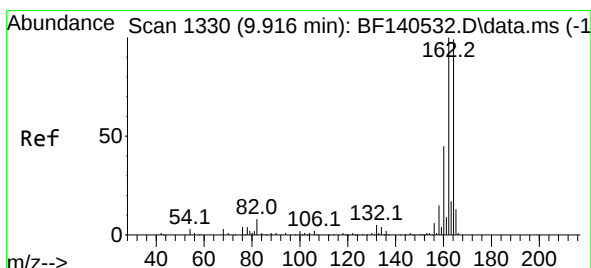
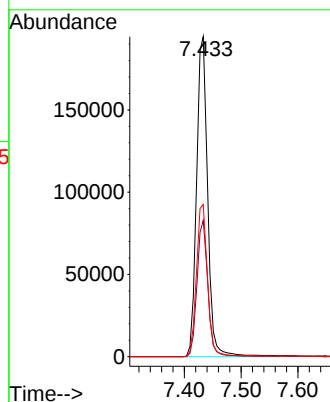
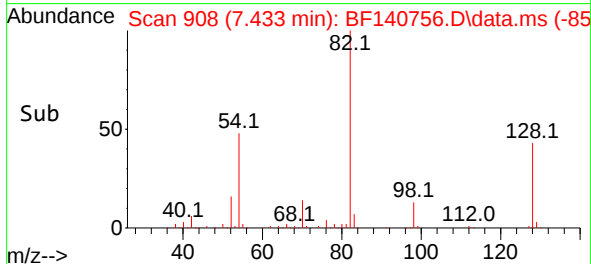


Tgt Ion: 82 Resp: 266129
Ion Ratio Lower Upper
82 100
128 42.6 33.0 49.4
54 47.5 39.5 59.3

Manual Integrations

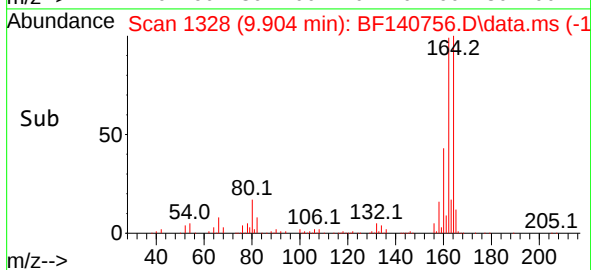
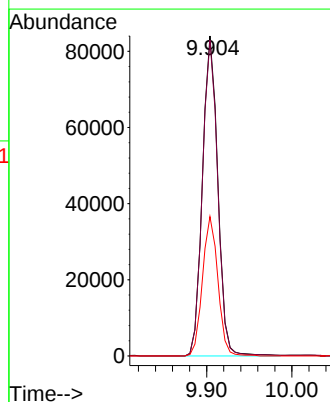
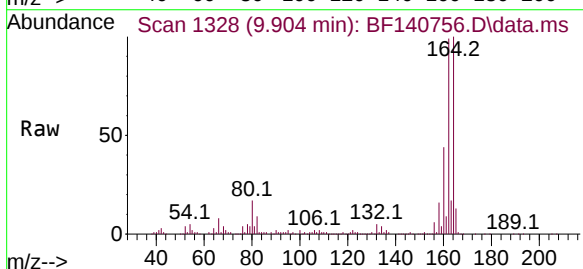
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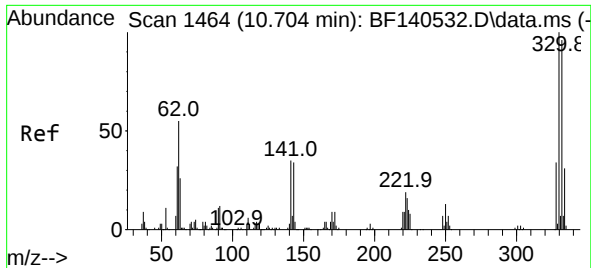
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Tgt Ion:164 Resp: 105193
Ion Ratio Lower Upper
164 100
162 98.7 80.6 120.8
160 43.6 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 68.634 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Instrument :

BNA_F

ClientSampleId :

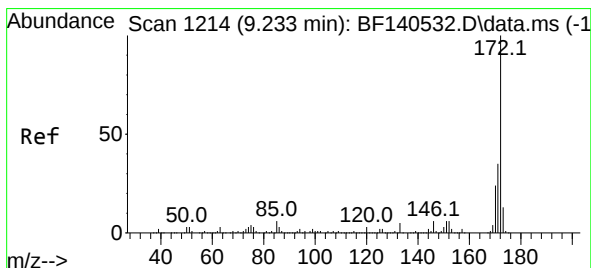
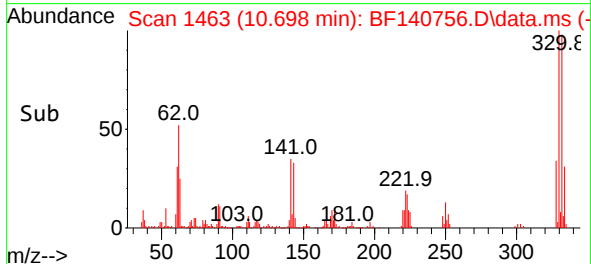
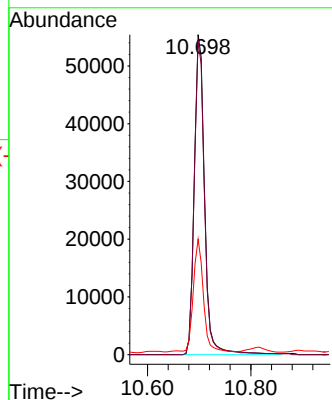
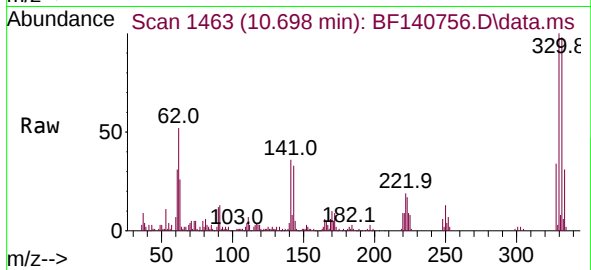
CTWK-COMP-1

Tgt Ion:330 Resp: 7721
Ion Ratio Lower Upper
330 100
332 96.2 76.9 115.3
141 35.3 26.7 40.1

Manual Integrations

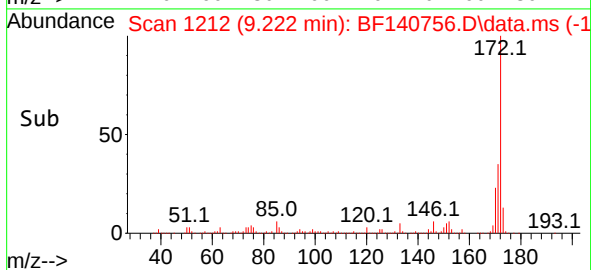
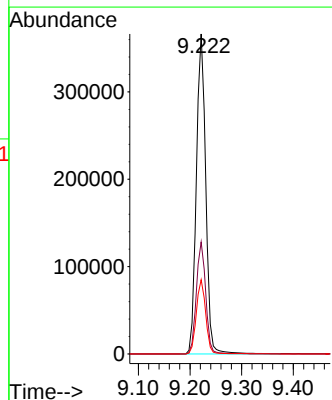
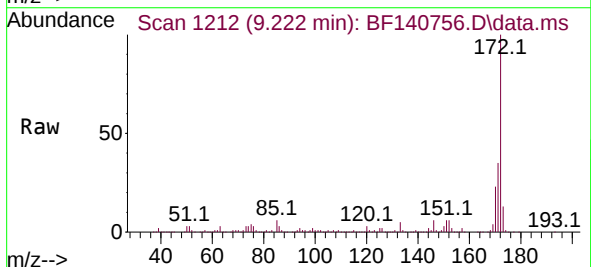
APPROVED

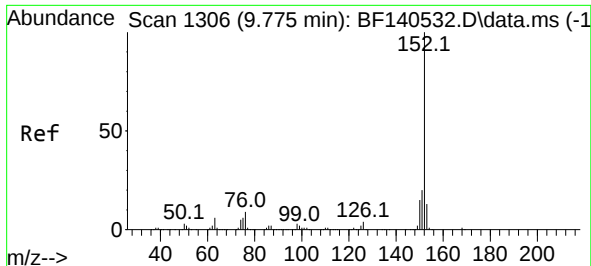
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024



#45
2-Fluorobiphenyl
Concen: 65.574 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Tgt Ion:172 Resp: 462966
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.2 19.0 28.6





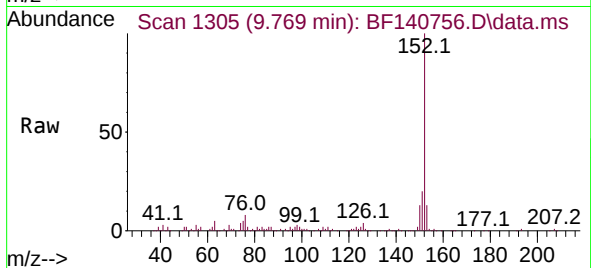
#49
Acenaphthylene
Concen: 13.278 ng
RT: 9.769 min Scan# 11938
Delta R.T. -0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP-1



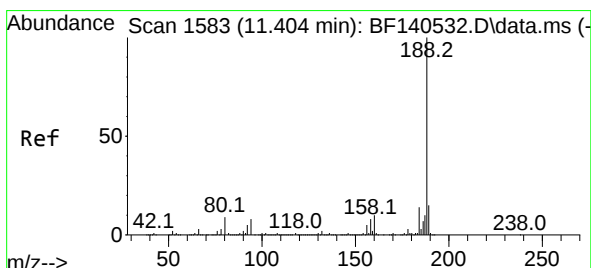
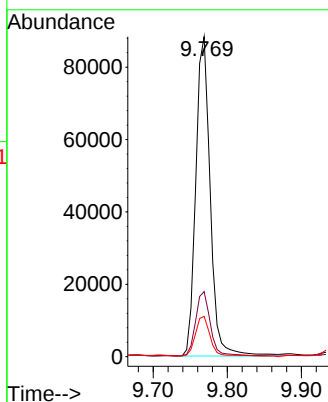
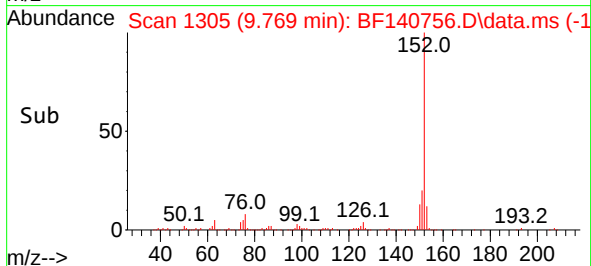
Tgt Ion:152 Resp: 11938
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 12.6 10.6 16.0

Manual Integrations

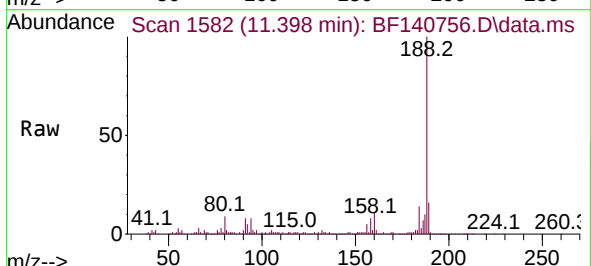
APPROVED

Reviewed By :Yogesh Patel 12/07/2024

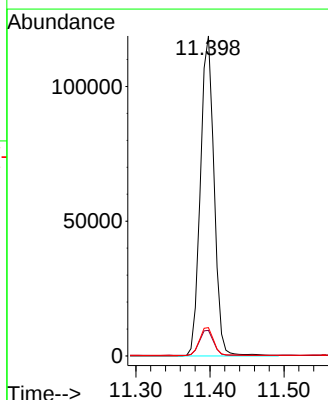
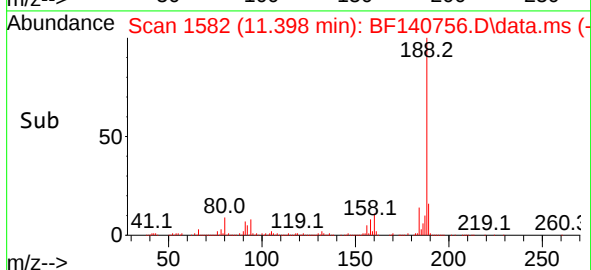
Supervised By :mohammad ahmed 12/07/2024

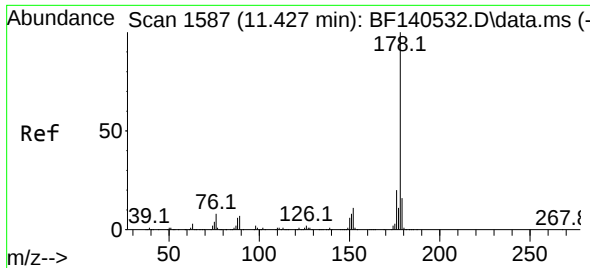


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37



Tgt Ion:188 Resp: 153445
Ion Ratio Lower Upper
188 100
94 8.0 6.4 9.6
80 8.9 6.9 10.3





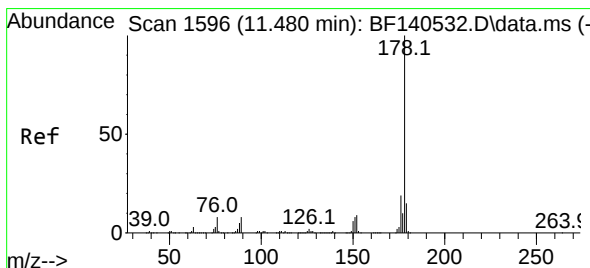
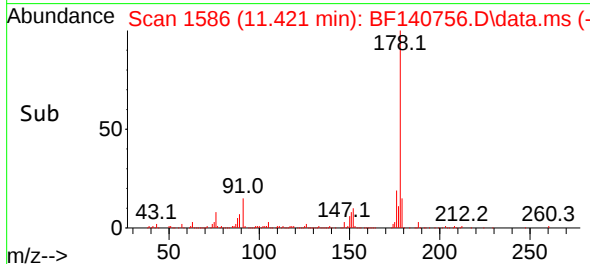
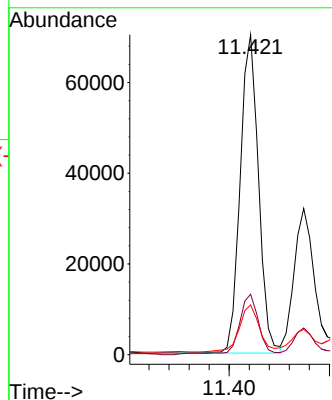
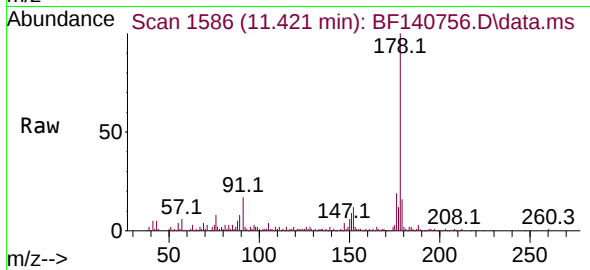
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Phenanthrene
Concen: 12.099 ng
RT: 11.421 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Instrument :
BNA_F
ClientSampleId :
CTWK-COMP-1

Tgt Ion:178 Resp: 8924
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.6 12.4 18.6

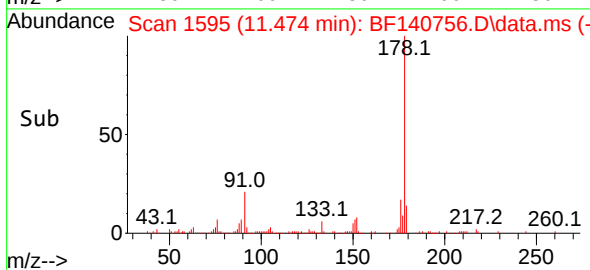
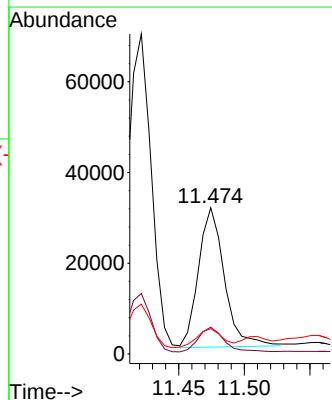
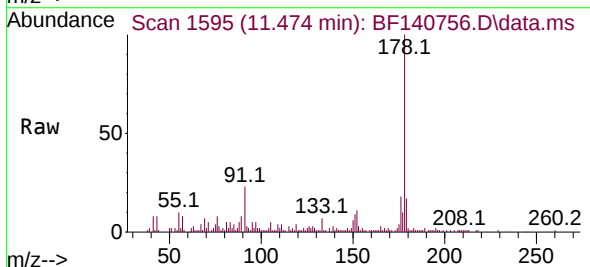
Manual Integrations
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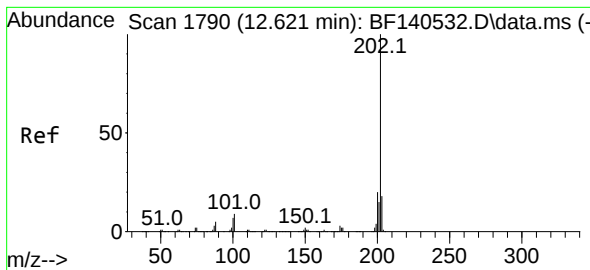
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024



#72
Anthracene
Concen: 5.884 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

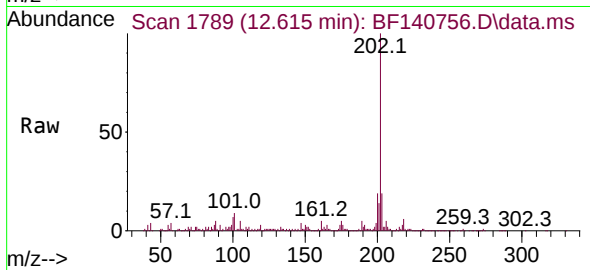
Tgt Ion:178 Resp: 42452
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 17.3 12.2 18.4





#75
Fluoranthene
Concen: 26.412 ng
RT: 12.615 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

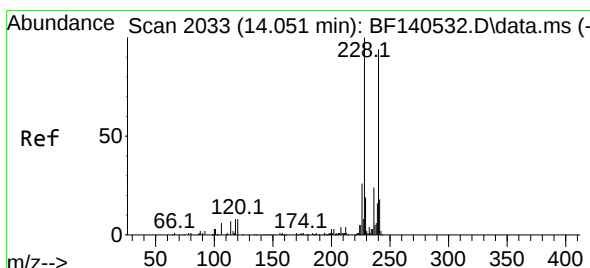
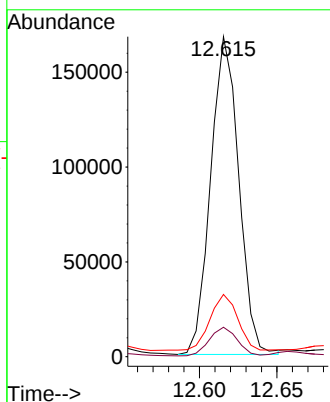
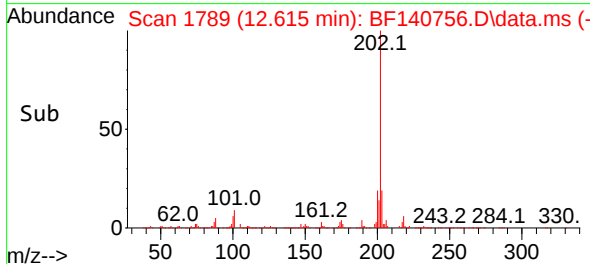
Instrument :
BNA_F
ClientSampleId :
CTWK-COMP-1



Tgt Ion:202 Resp: 211514
Ion Ratio Lower Upper
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101 9.2 0.0 28.9
203 19.4 0.0 37.6

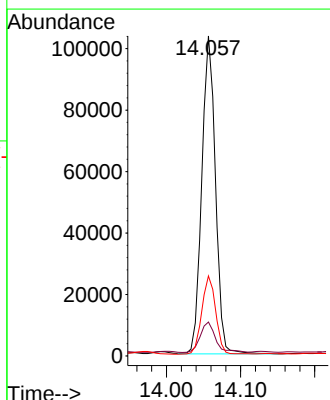
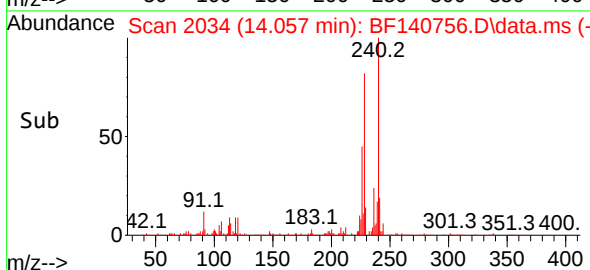
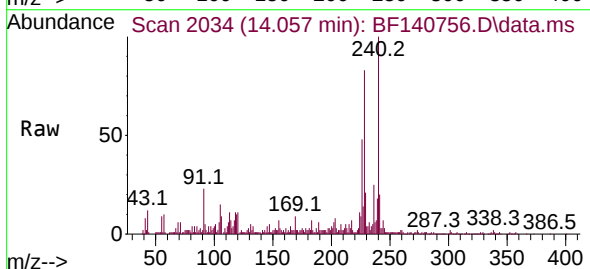
Manual Integrations
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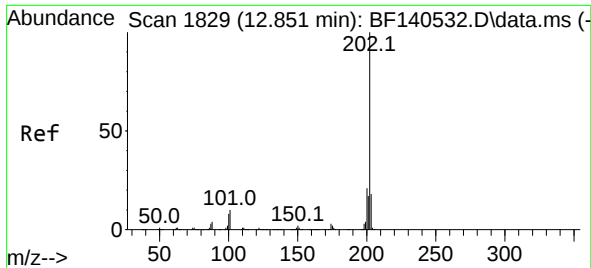
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

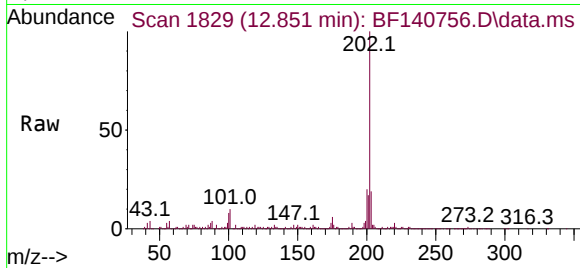
Tgt Ion:240 Resp: 132597
Ion Ratio Lower Upper
240 100
120 10.6 7.3 10.9
236 25.0 20.6 31.0





#78
Pyrene
Concen: 30.739 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

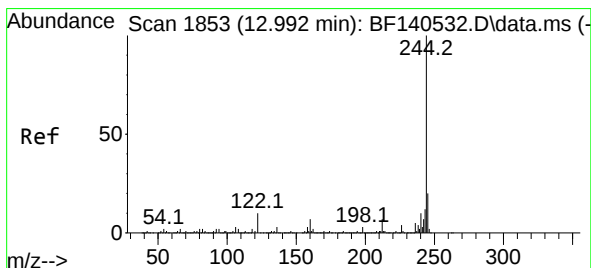
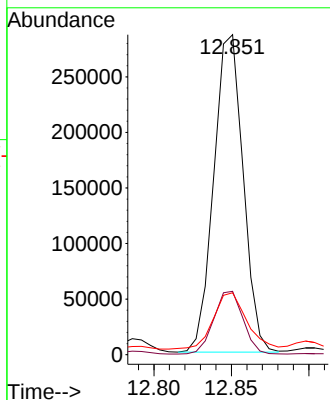
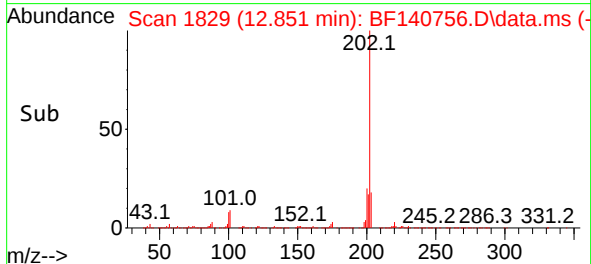
Instrument :
BNA_F
ClientSampleId :
CTWK-COMP-1



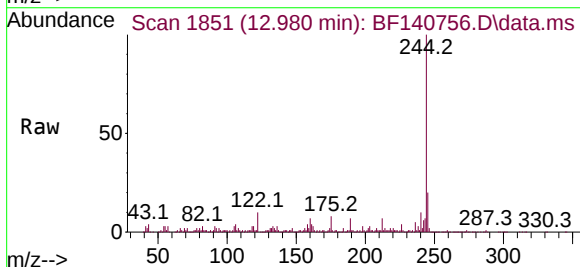
Tgt Ion:202 Resp: 376869
Ion Ratio Lower Upper
202 100
200 19.8 16.5 24.7
203 19.3 14.2 21.4

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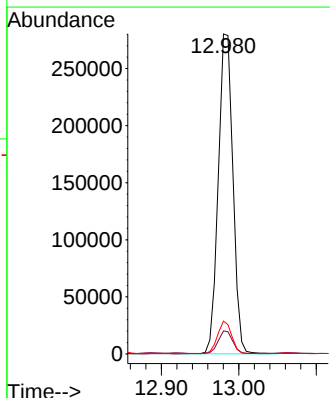
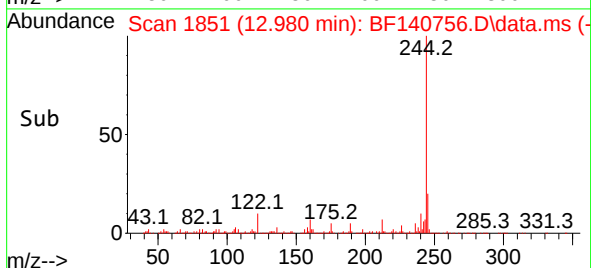
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024

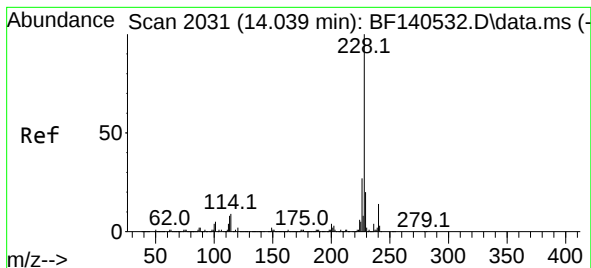


#79
Terphenyl-d14
Concen: 43.406 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37



Tgt Ion:244 Resp: 369626
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 10.3 8.0 12.0





#81

Benzo(a)anthracene

Concen: 22.648 ng m

RT: 14.045 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

Instrument :

BNF_F

ClientSampleId :

CTWK-COMP-1

Tgt Ion:228 Resp: 19879

Ion Ratio Lower Upper

228 100

226 39.3 21.8 32.8

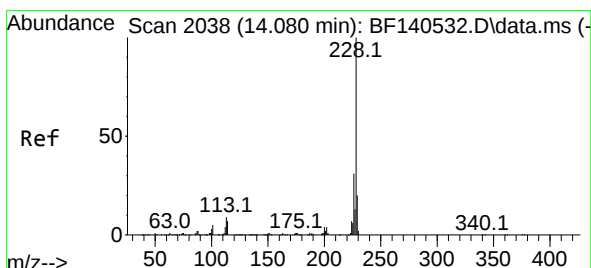
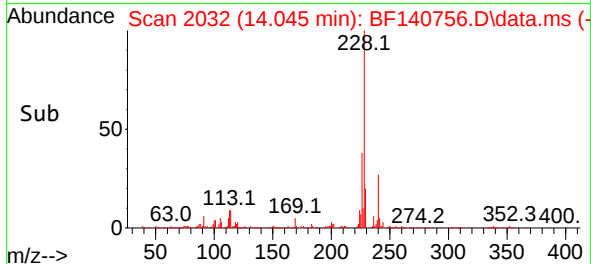
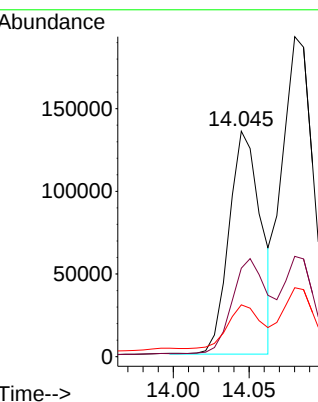
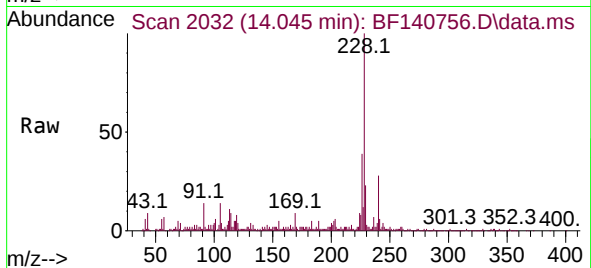
229 23.0 15.8 23.6

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Reviewed By :Yogesh Patel 12/07/2024

Supervised By :mohammad ahmed 12/07/2024



#83

Chrysene

Concen: 34.065 ng

RT: 14.080 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

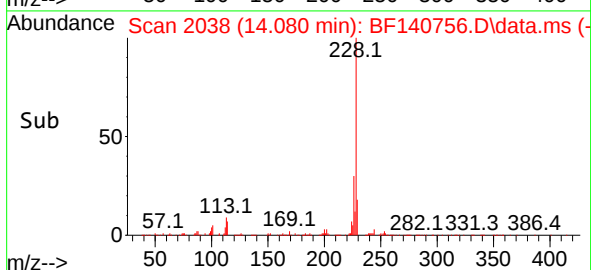
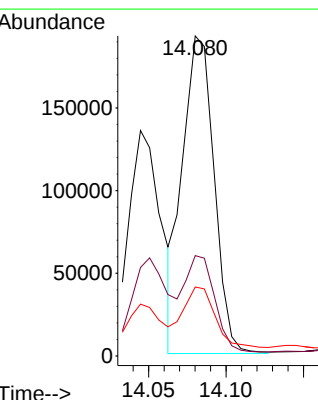
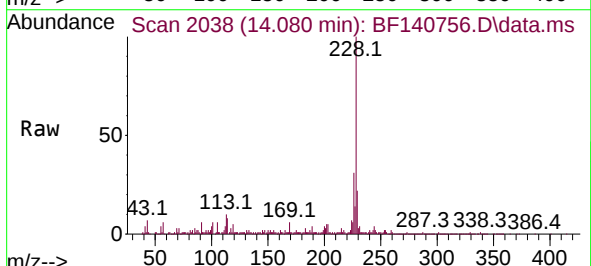
Tgt Ion:228 Resp: 273400

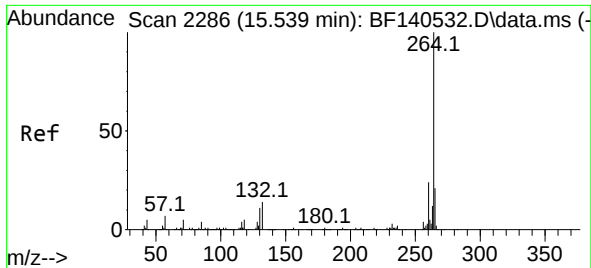
Ion Ratio Lower Upper

228 100

226 31.3 24.4 36.6

229 21.6 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Instrument :

BNA_F

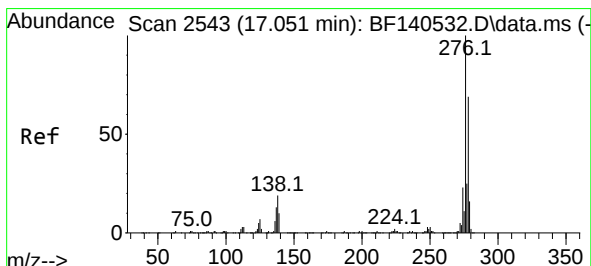
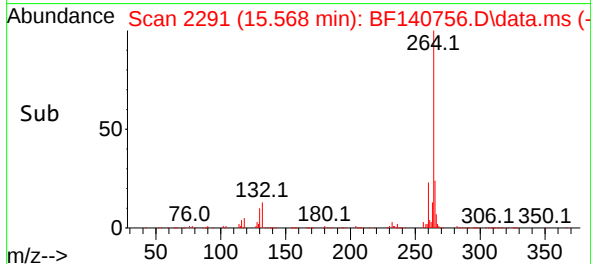
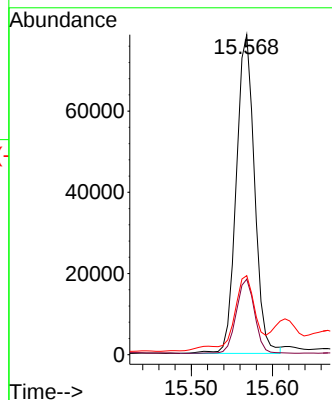
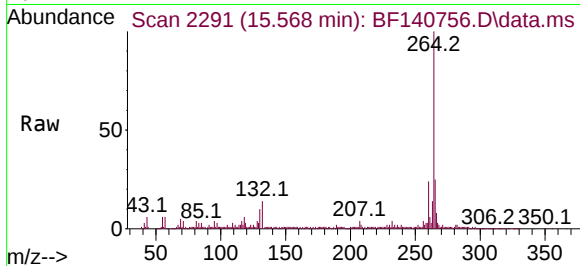
ClientSampleId :

CTWK-COMP-1

Tgt Ion:264 Resp: 122214
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.6
265 24.7 16.6 25.0

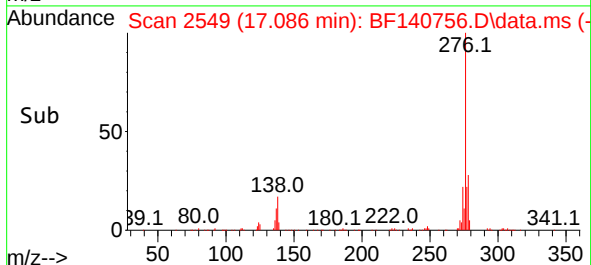
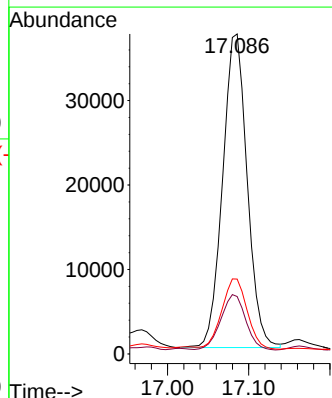
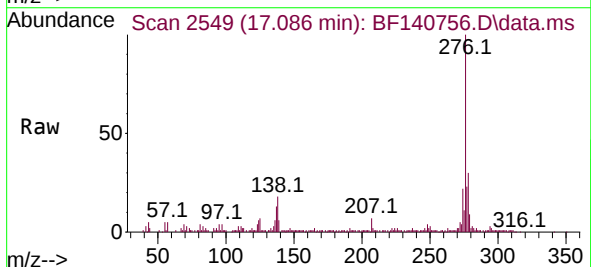
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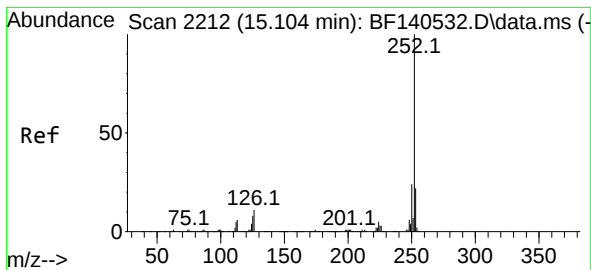
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.802 ng
RT: 17.086 min Scan# 2549
Delta R.T. 0.035 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Tgt Ion:276 Resp: 78066
Ion Ratio Lower Upper
276 100
138 17.9 15.5 23.3
277 23.2 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 27.432 ng m

RT: 15.133 min Scan# 2217

Delta R.T. 0.029 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP-1

Tgt Ion:252 Resp: 210579

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

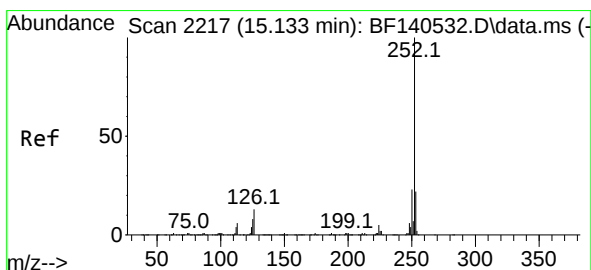
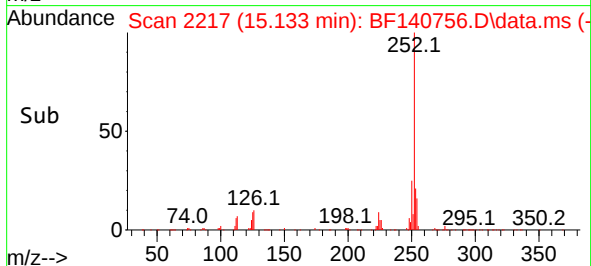
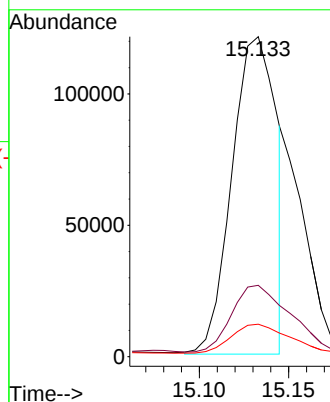
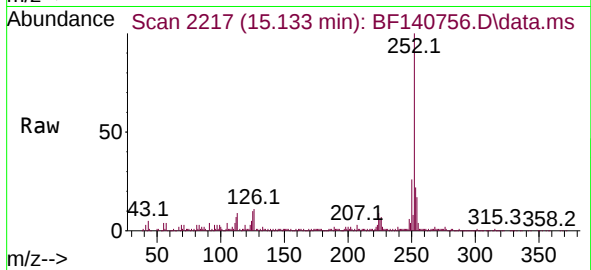
125 10.1 6.7 10.1

Manual Integrations

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Reviewed By :Yogesh Patel 12/07/2024

Supervised By :mohammad ahmed 12/07/2024



#89

Benzo(k)fluoranthene

Concen: 10.357 ng m

RT: 15.145 min Scan# 2219

Delta R.T. 0.012 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

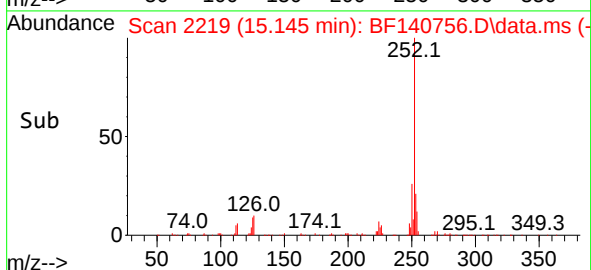
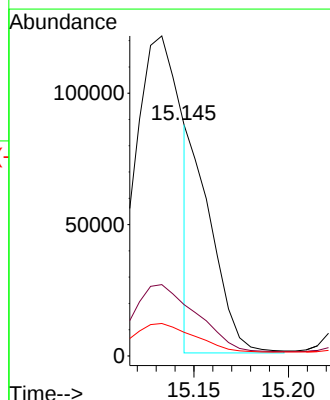
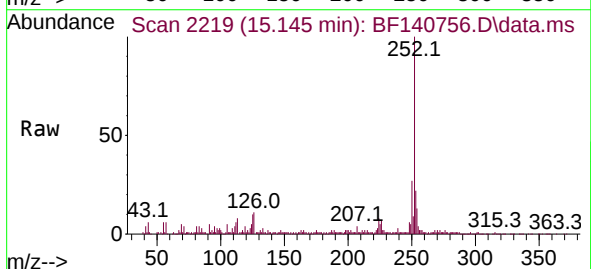
Tgt Ion:252 Resp: 69572

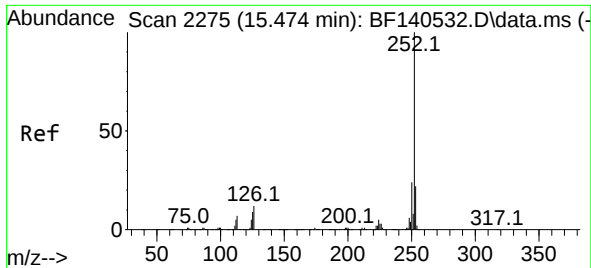
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 10.3 6.5 9.7#





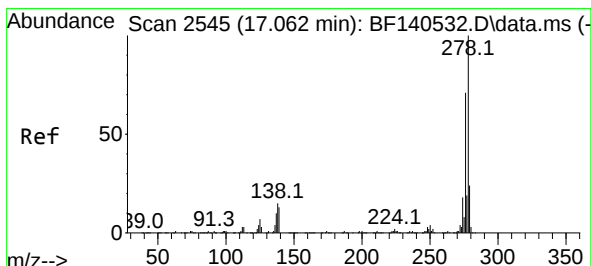
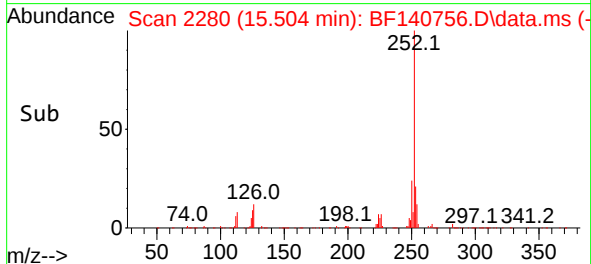
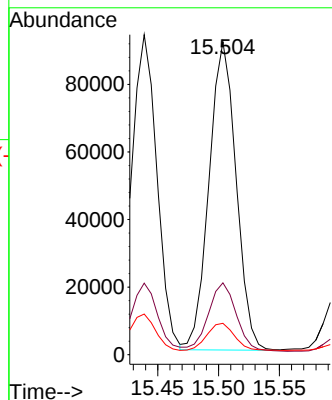
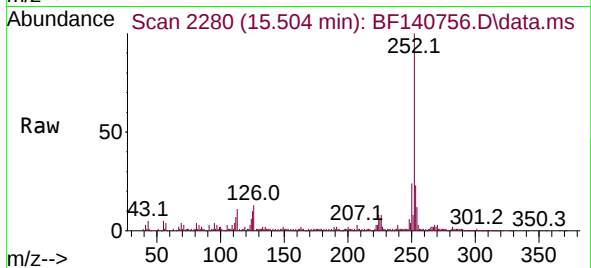
#90
Benzo(a)pyrene
Concen: 22.634 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Instrument :
BNA_F
ClientSampleId :
CTWK-COMP-1

Tgt Ion:252 Resp: 141270
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 10.0 7.0 10.6

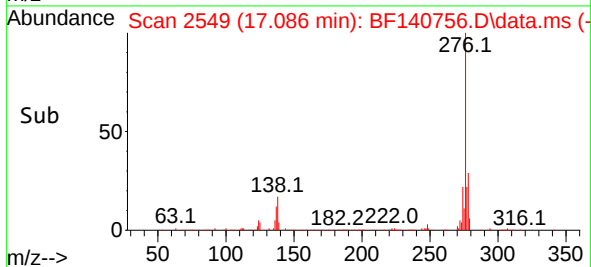
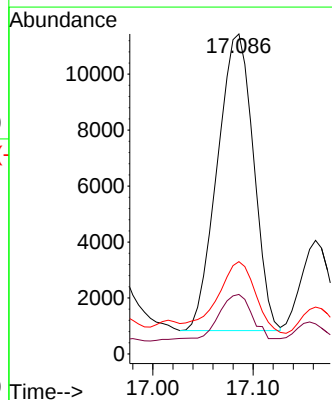
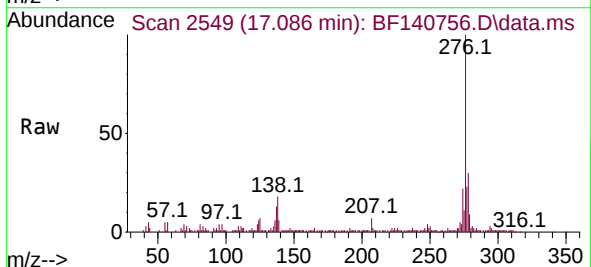
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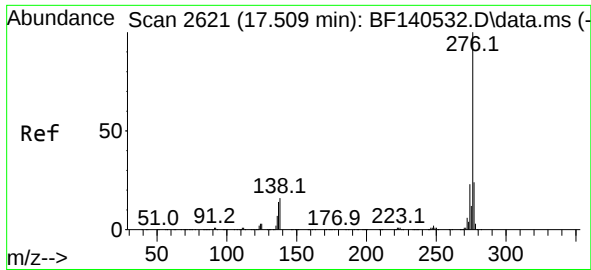
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024



#91
Dibenzo(a,h)anthracene
Concen: 4.075 ng
RT: 17.086 min Scan# 2549
Delta R.T. 0.023 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

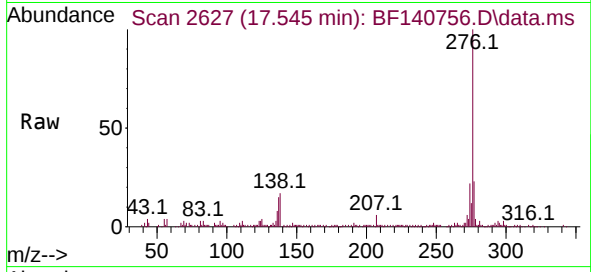
Tgt Ion:278 Resp: 26580
Ion Ratio Lower Upper
278 100
139 18.6 10.2 15.4#
279 28.8 18.9 28.3#





#92
Benzo(g,h,i)perylene
Concen: 13.850 ng
RT: 17.545 min Scan# 20
Delta R.T. 0.035 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Instrument :
BNA_F
ClientSampleId :
CTWK-COMP-1



Tgt Ion:276 Resp: 92188
Ion Ratio Lower Upper
276 100
277 23.1 18.9 28.3
138 16.7 13.2 19.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024

