

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080624\
 Data File : BF138827.D
 Acq On : 07 Aug 2024 02:05
 Operator : RC/JU
 Sample : P3448-05DL 25X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/08/2024

Quant Time: Aug 07 03:22:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	45268	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	183566	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	93866	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	134035	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	92400	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	88934	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	9125	3.112	ng	0.00
7) Phenol-d6	6.487	99	12956	3.291	ng	0.00
23) Nitrobenzene-d5	7.404	82	8715	2.321	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	1686	2.193	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	16770	2.684	ng	-0.01
79) Terphenyl-d14	12.933	244	12038	2.181	ng	-0.01
Target Compounds						Qvalue
58) Fluorene	10.422	166	17837	3.044	ng	96
71) Phenanthrene	11.381	178	222220	32.198	ng	100
72) Anthracene	11.433	178	52125	7.666	ng	99
75) Fluoranthene	12.575	202	259091	40.212	ng	98
78) Pyrene	12.798	202	212309	24.404	ng	98
81) Benzo(a)anthracene	13.986	228	117046	18.395	ng	98
83) Chrysene	14.022	228	93843	16.347	ng	97
87) Indeno(1,2,3-cd)pyrene	16.921	276	25288	3.968	ng	96
88) Benzo(b)fluoranthene	15.033	252	95160m	17.261	ng	
89) Benzo(k)fluoranthene	15.051	252	28642m	6.000	ng	
90) Benzo(a)pyrene	15.398	252	61347	13.229	ng	99
92) Benzo(g,h,i)perylene	17.362	276	22053	4.062	ng	94

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

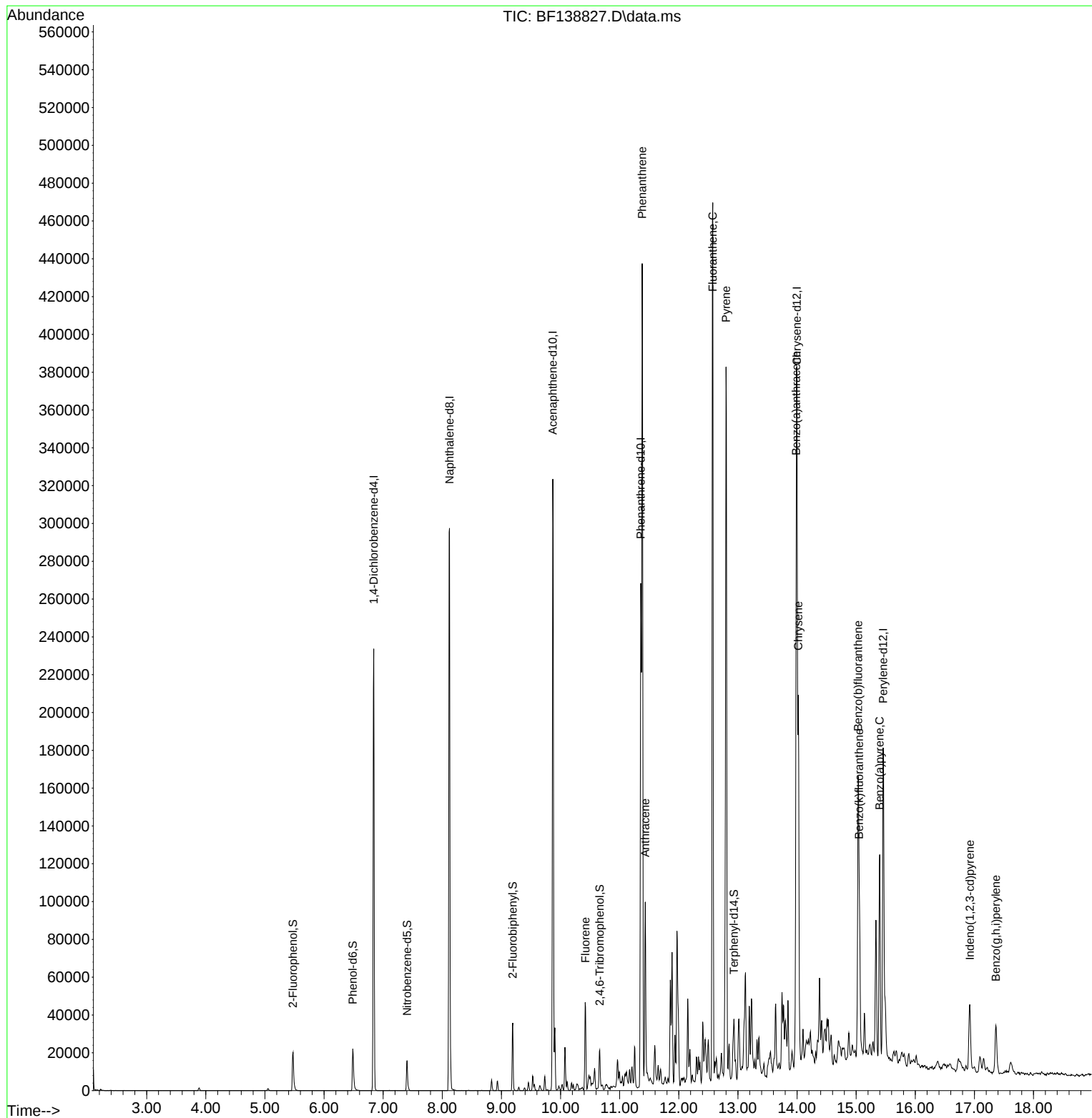
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080624\
Data File : BF138827.D
Acq On : 07 Aug 2024 02:05
Operator : RC/JU
Sample : P3448-05DL 25X
Misc :
ALS Vial : 17 Sample Multiplier: 1

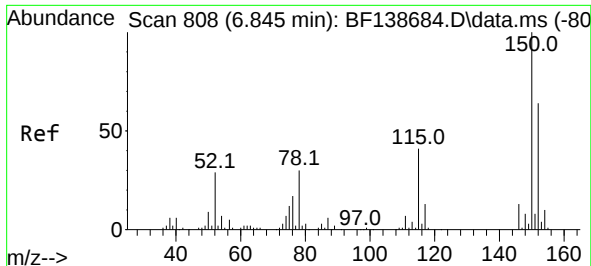
Instrument :
BNA_F
ClientSampleId :
TP3DL

Quant Time: Aug 07 03:22:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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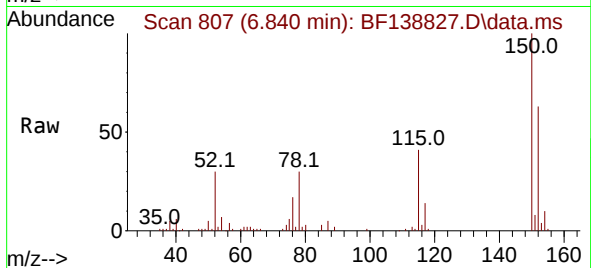
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

ClientSampleId :

TP3DL



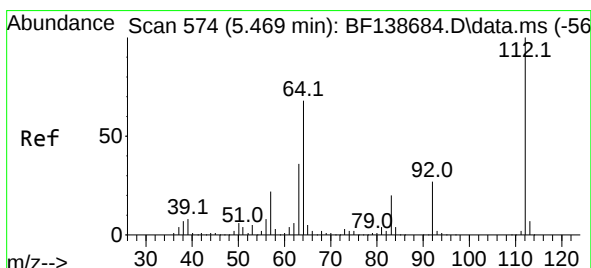
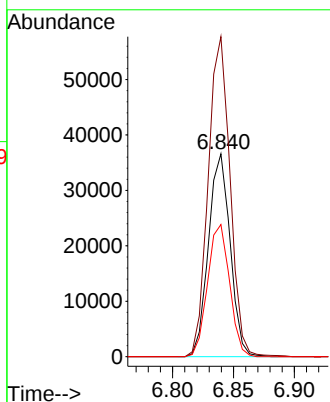
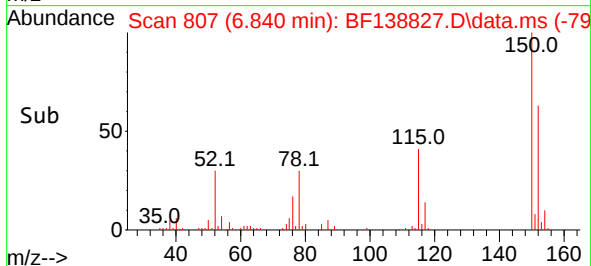
Tgt Ion:152 Resp: 45268
Ion Ratio Lower Upper
152 100
150 157.7 126.0 189.0
115 65.2 51.7 77.5

Manual Integrations

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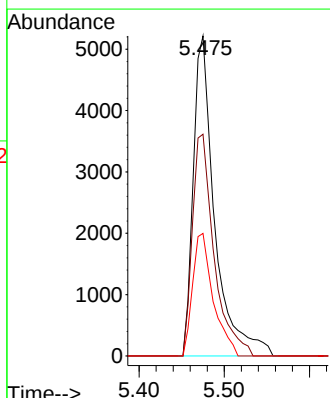
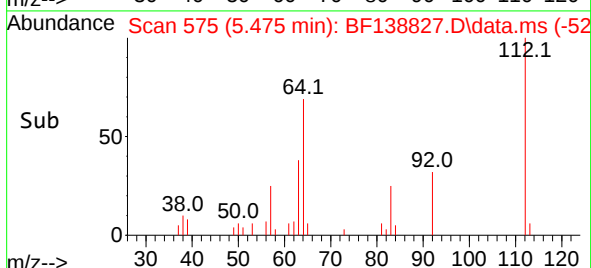
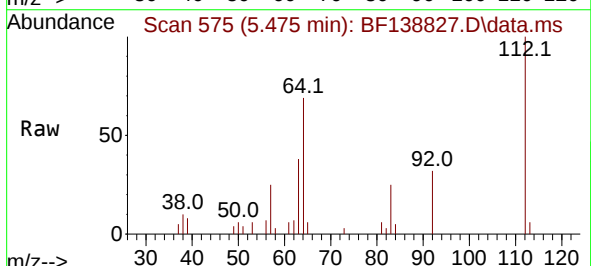
Reviewed By :Yogesh Patel 08/08/2024

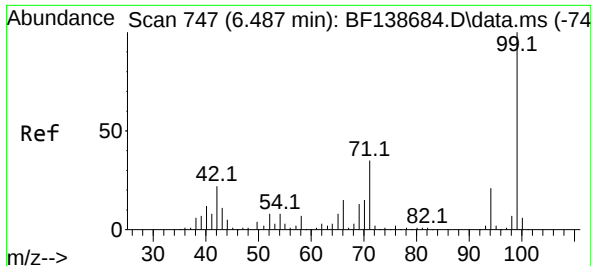
Supervised By :mohammad ahmed 08/08/2024



#5
2-Fluorophenol
Concen: 3.112 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

Tgt Ion:112 Resp: 9125
Ion Ratio Lower Upper
112 100
64 69.3 54.2 81.4
63 38.3 28.7 43.1





#7

Phenol-d6

Concen: 3.291 ng

RT: 6.487 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF138827.D

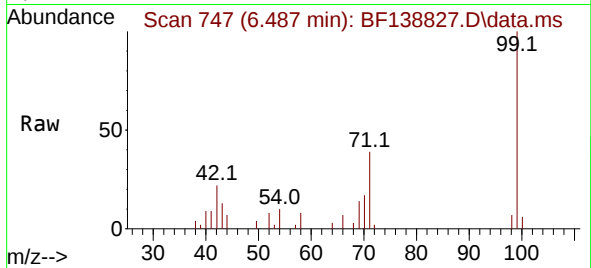
Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

ClientSampleId :

TP3DL



Tgt Ion: 99 Resp: 12950

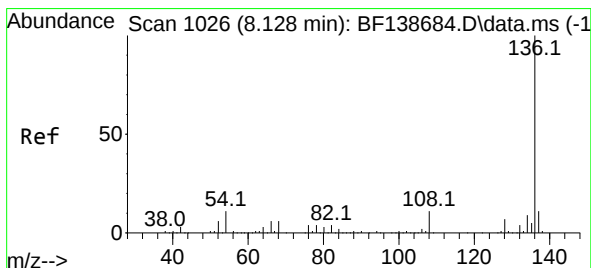
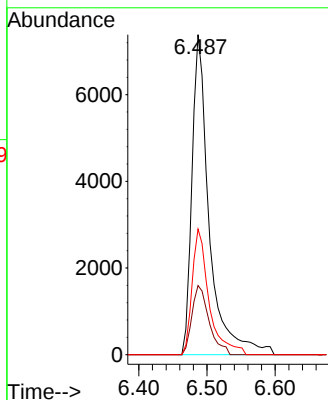
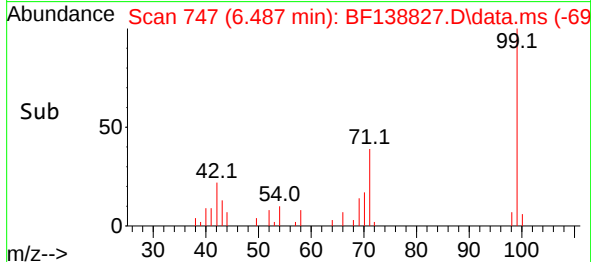
Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.4	26.0
71	39.3	28.1	42.1

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1025

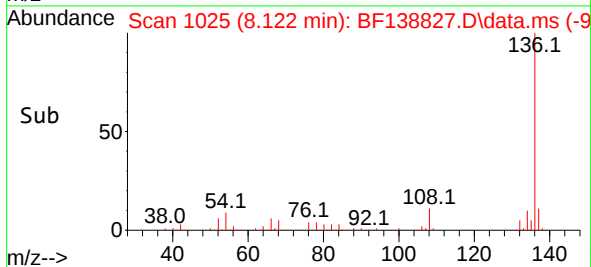
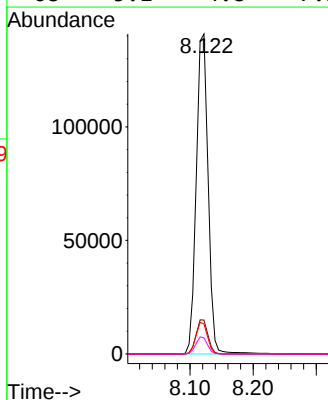
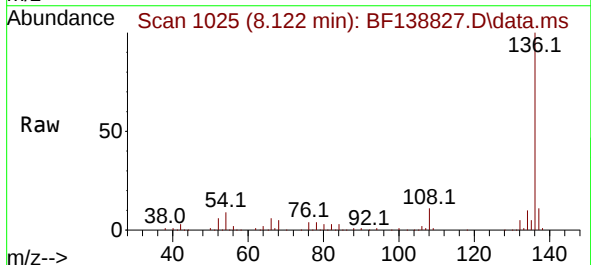
Delta R.T. -0.006 min

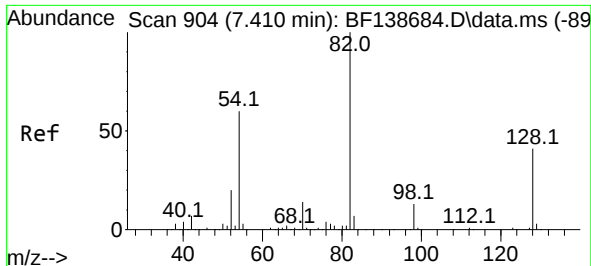
Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

Tgt Ion:136 Resp: 183566

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	9.4	8.6	12.8
68	5.1	4.8	7.2





#23
Nitrobenzene-d5
Concen: 2.321 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

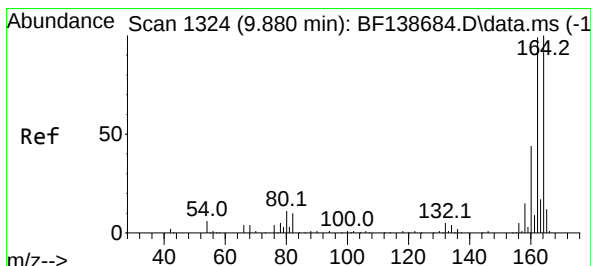
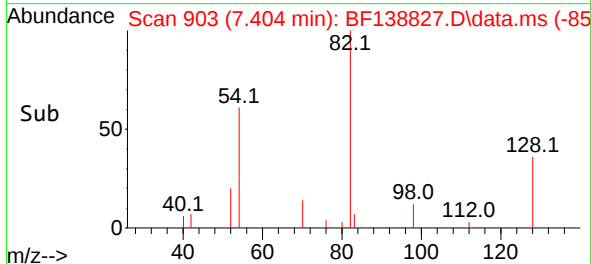
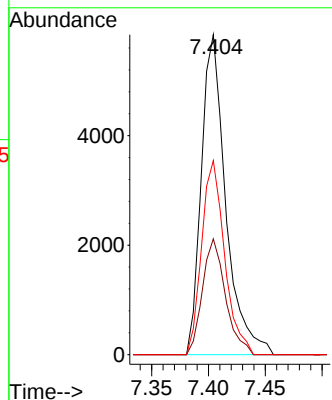
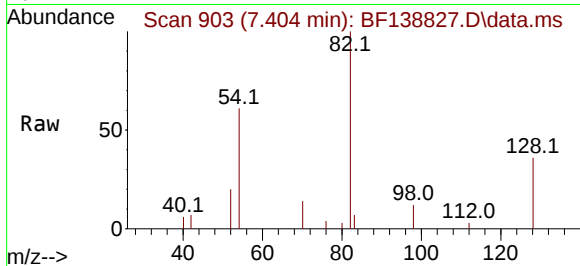
ClientSampleId :

TP3DL

Tgt Ion: 82 Resp: 8715
Ion Ratio Lower Upper
82 100
128 36.2 32.8 49.2
54 60.7 48.3 72.5

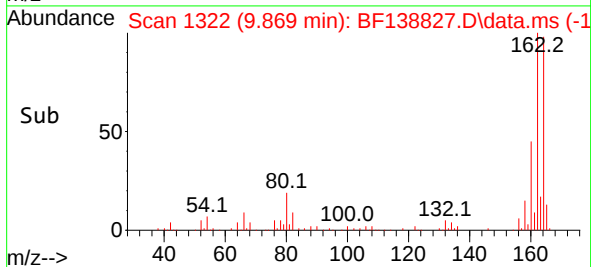
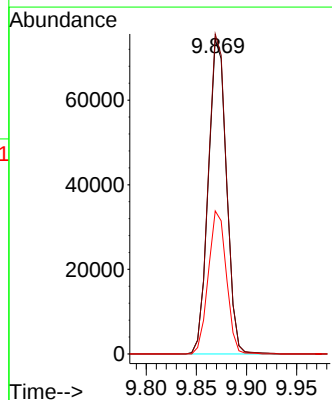
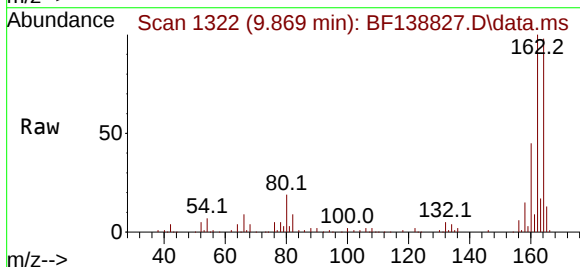
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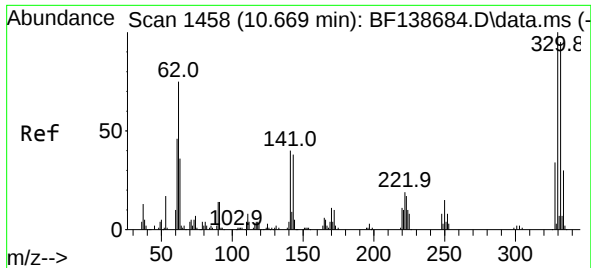
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

Tgt Ion:164 Resp: 93866
Ion Ratio Lower Upper
164 100
162 101.7 79.4 119.0
160 45.4 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 2.193 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

ClientSampleId :

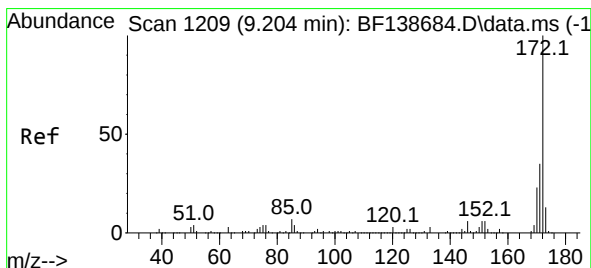
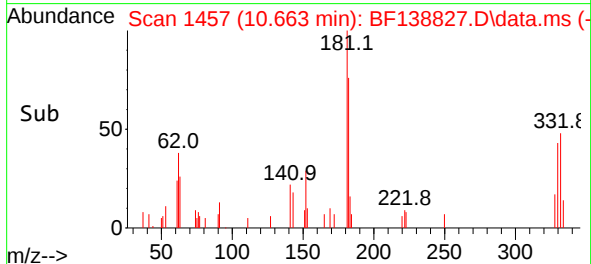
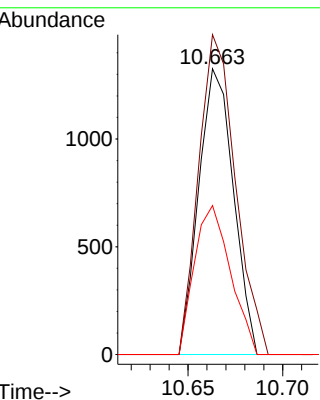
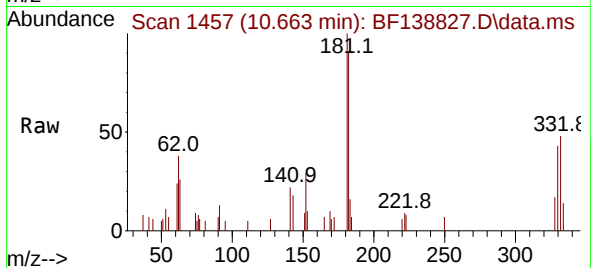
TP3DL

Tgt Ion:330 Resp: 1680
Ion Ratio Lower Upper
330 100
332 119.1 76.4 114.6
141 54.3 31.1 46.7

Manual Integrations

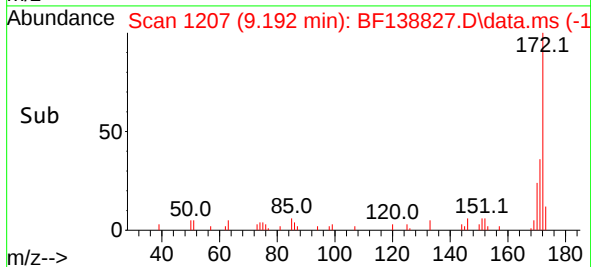
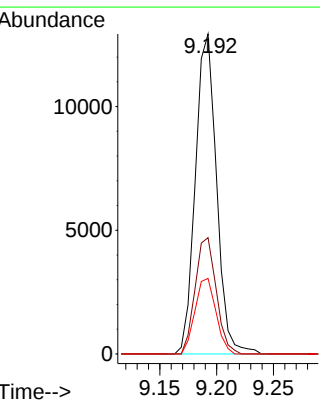
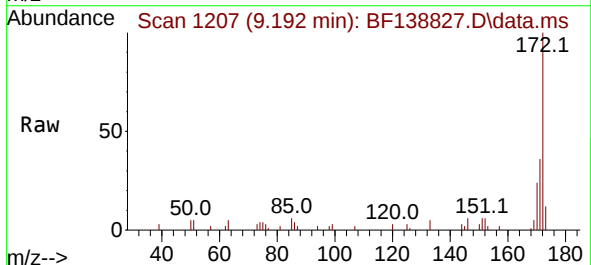
APPROVED

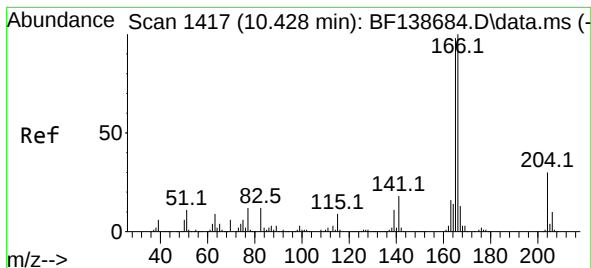
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#45
2-Fluorobiphenyl
Concen: 2.684 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

Tgt Ion:172 Resp: 16770
Ion Ratio Lower Upper
172 100
171 36.3 28.3 42.5
170 23.6 18.8 28.2





#58

Fluorene

Concen: 3.044 ng

RT: 10.422 min Scan# 1417

Delta R.T. -0.006 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

ClientSampleId :

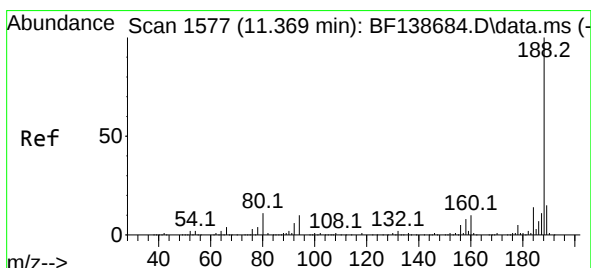
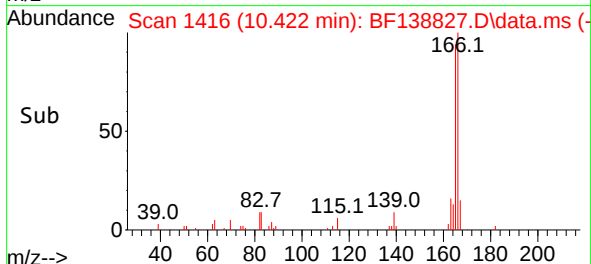
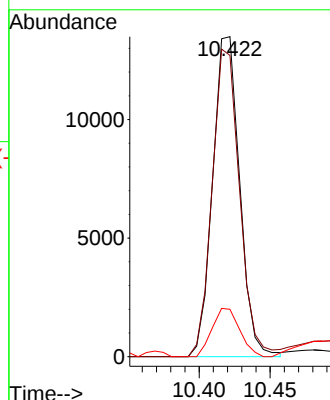
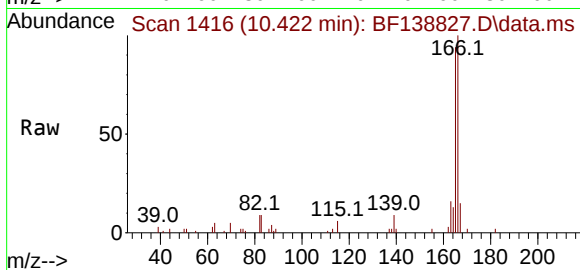
TP3DL

Tgt Ion:	166	Resp:	1783
Ion Ratio	Lower	Upper	
166	100		
165	94.1	78.4	117.6
167	14.8	10.6	16.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

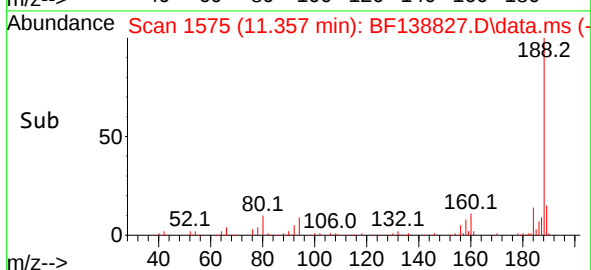
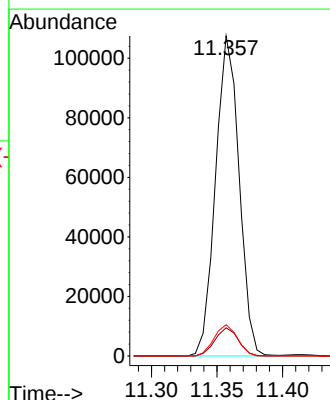
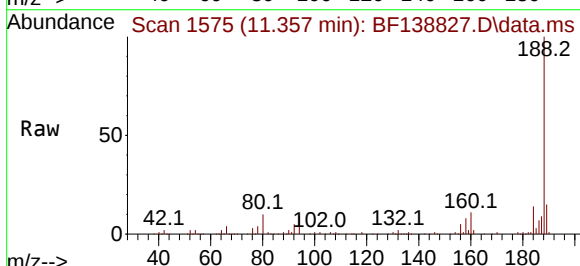
RT: 11.357 min Scan# 1575

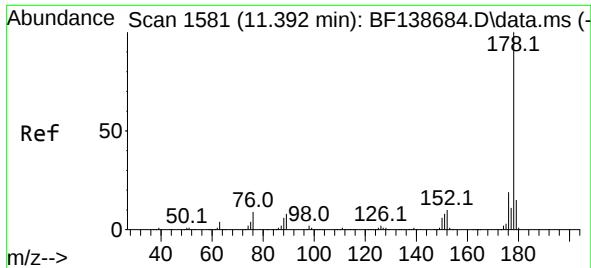
Delta R.T. -0.012 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

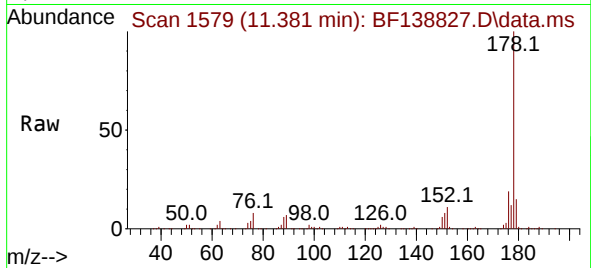
Tgt Ion:	188	Resp:	134035
Ion Ratio	Lower	Upper	
188	100		
94	8.8	7.6	11.4
80	9.7	8.6	12.8





#71
Phenanthrene
Concen: 32.198 ng
RT: 11.381 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

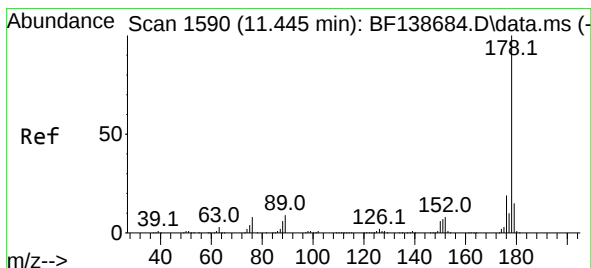
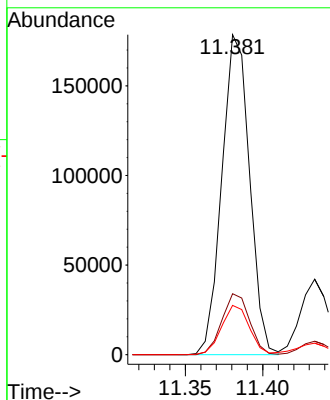
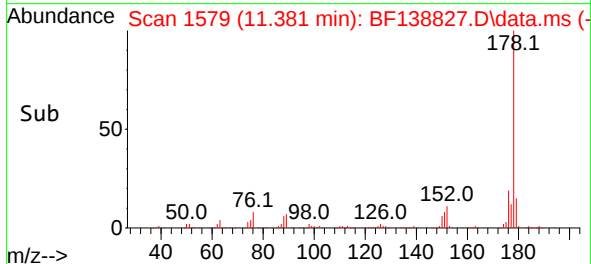
Instrument :
BNA_F
ClientSampleId :
TP3DL



Tgt Ion:178 Resp: 222220
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.4 12.2 18.2

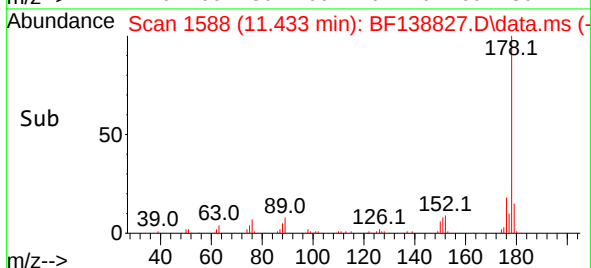
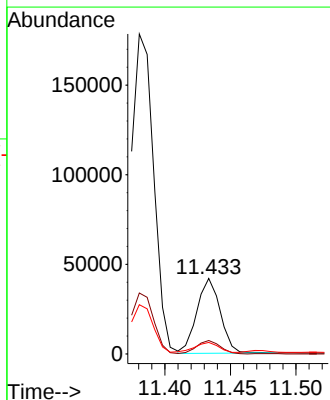
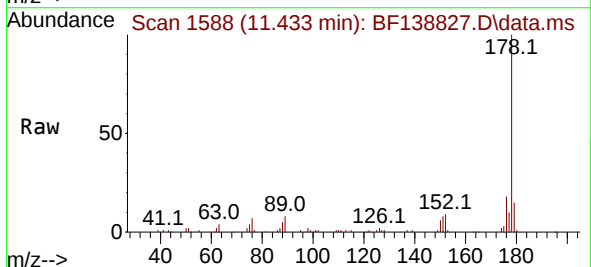
Manual Integrations
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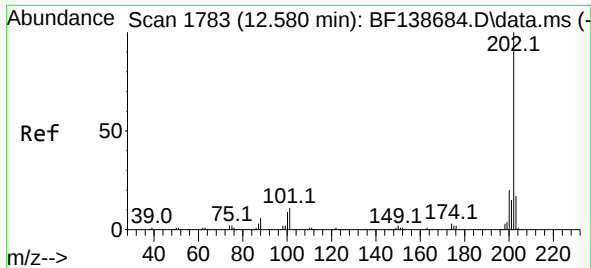
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#72
Anthracene
Concen: 7.666 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

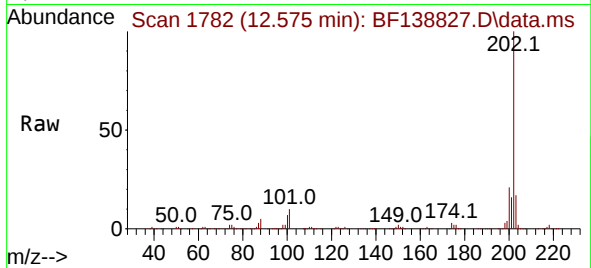
Tgt Ion:178 Resp: 52125
Ion Ratio Lower Upper
178 100
176 17.9 14.9 22.3
179 15.2 12.4 18.6





#75
Fluoranthene
Concen: 40.212 ng
RT: 12.575 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

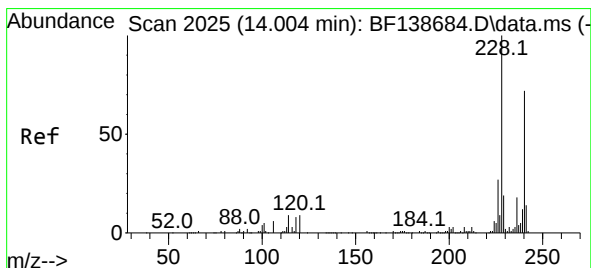
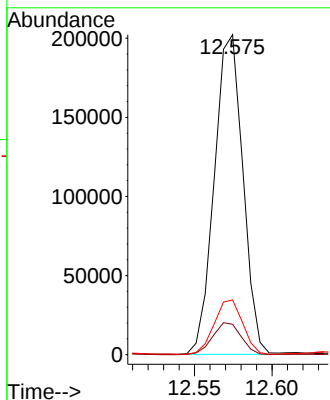
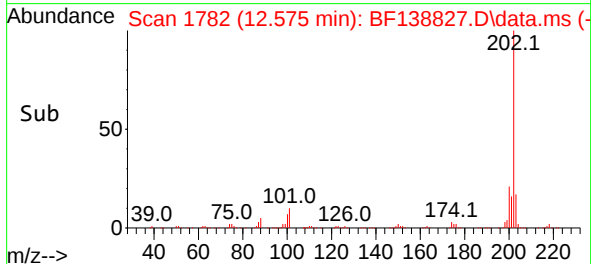
Instrument :
BNA_F
ClientSampleId :
TP3DL



Tgt Ion:202 Resp: 25909
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.2
203 17.1 0.0 37.3

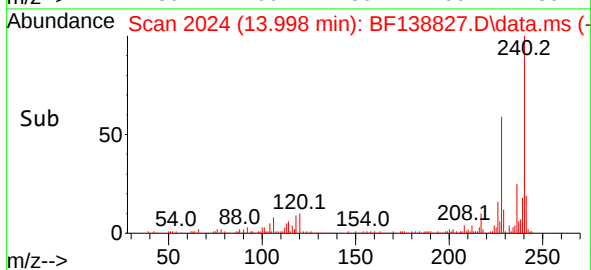
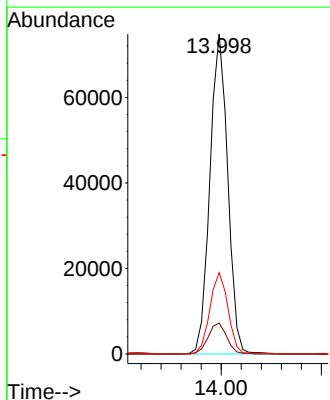
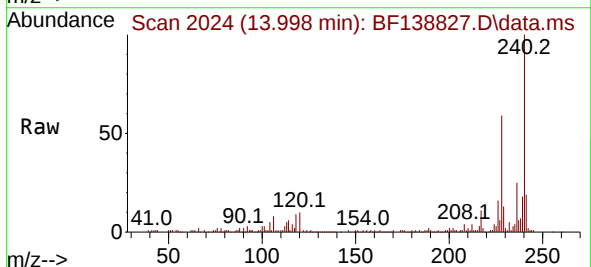
Manual Integrations
APPROVED

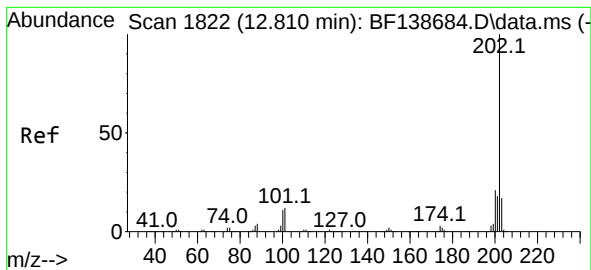
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

Tgt Ion:240 Resp: 92400
Ion Ratio Lower Upper
240 100
120 9.7 10.2 15.4#
236 25.4 19.8 29.8





#78

Pyrene

Concen: 24.404 ng

RT: 12.798 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

ClientSampleId :

TP3DL

Tgt Ion:202 Resp: 212309

Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

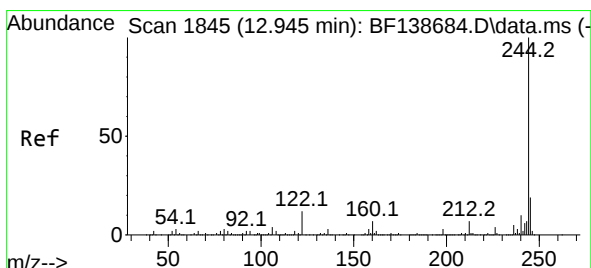
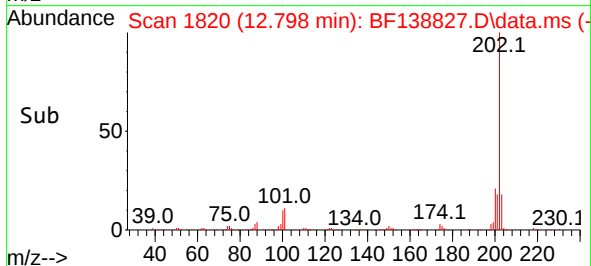
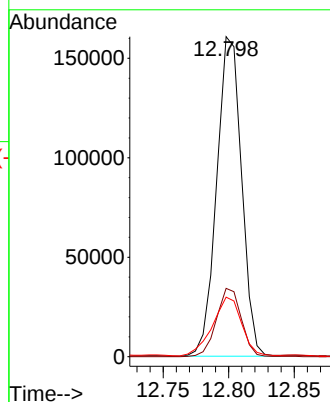
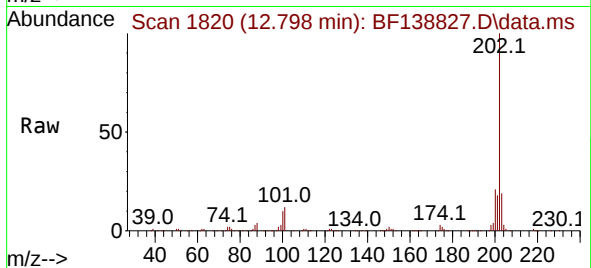
203 18.6 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#79

Terphenyl-d14

Concen: 2.181 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.012 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

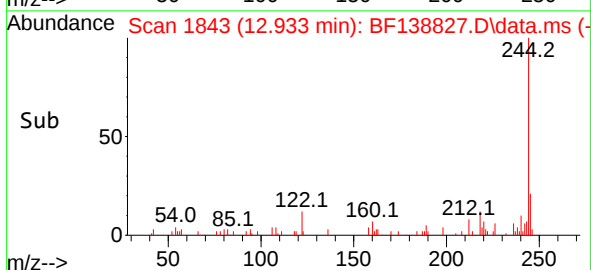
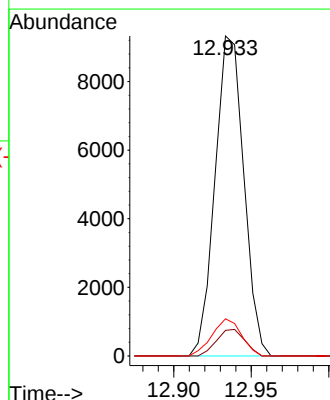
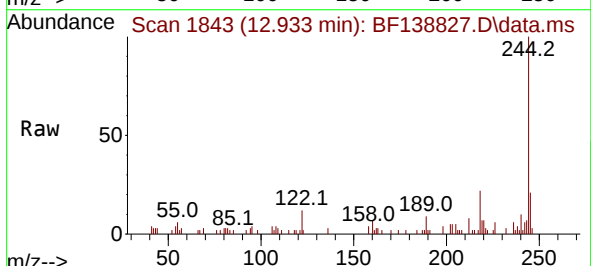
Tgt Ion:244 Resp: 12038

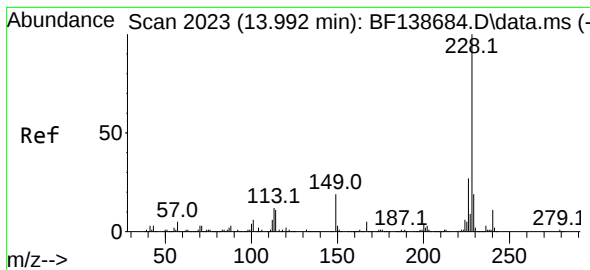
Ion Ratio Lower Upper

244 100

212 8.0 5.4 8.2

122 13.7 9.6 14.4





#81

Benzo(a)anthracene

Concen: 18.395 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

ClientSampleId :

TP3DL

Tgt Ion:228 Resp: 117040

Ion Ratio Lower Upper

228 100

226 26.6 22.1 33.1

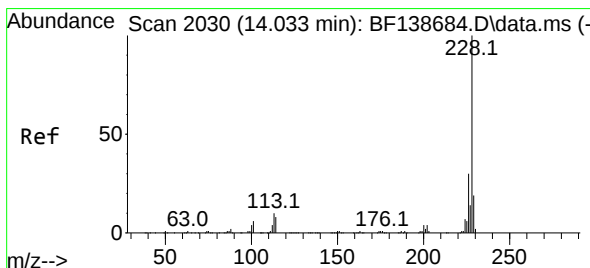
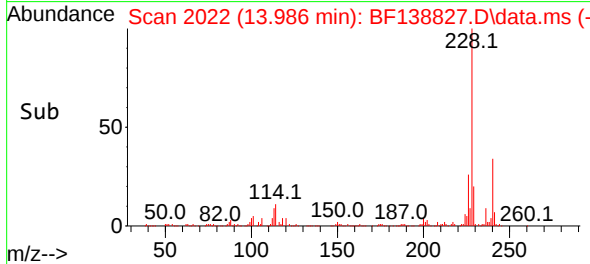
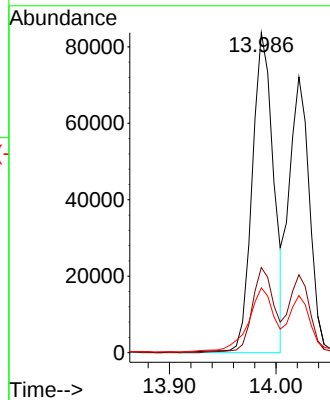
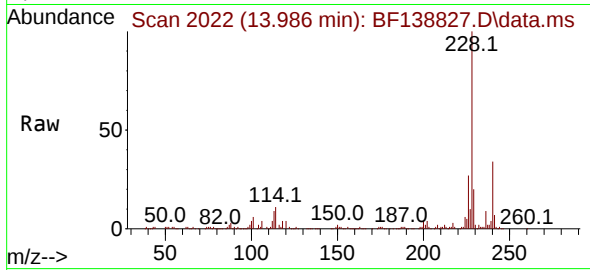
229 20.3 15.4 23.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#83

Chrysene

Concen: 16.347 ng

RT: 14.022 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

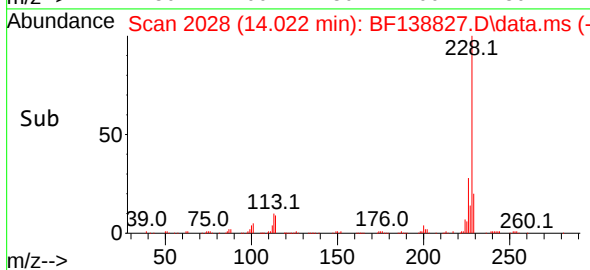
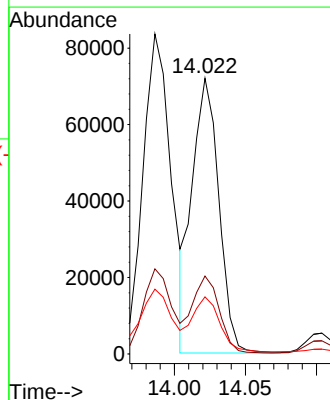
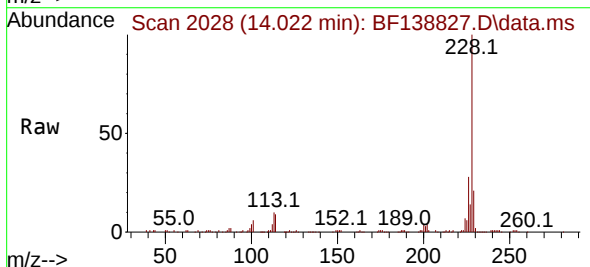
Tgt Ion:228 Resp: 93843

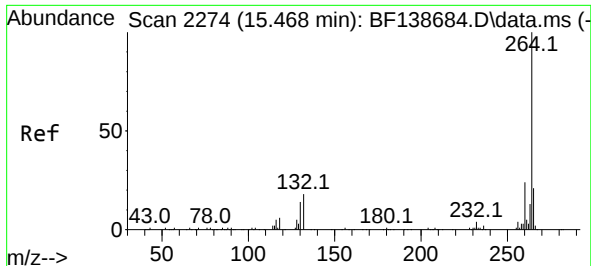
Ion Ratio Lower Upper

228 100

226 28.3 23.7 35.5

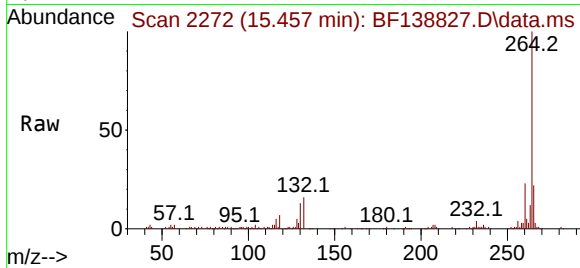
229 20.7 15.0 22.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

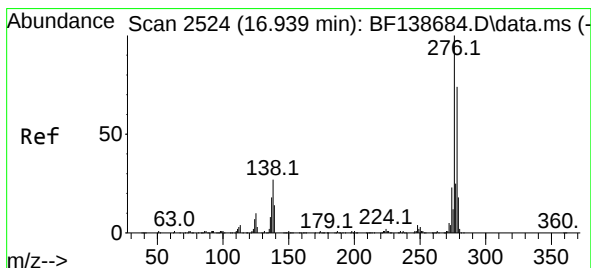
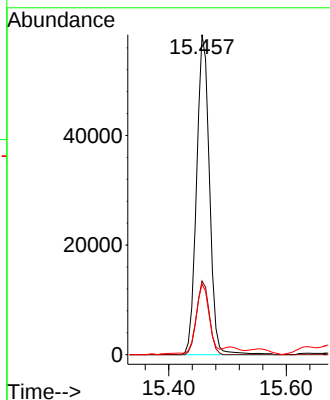
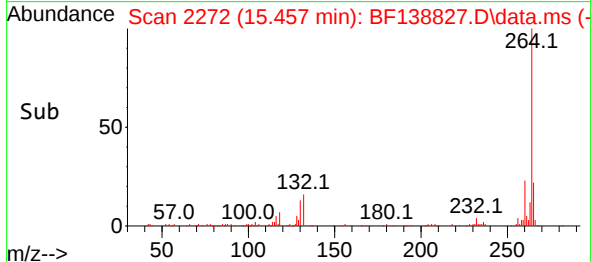
Instrument :
BNA_F
ClientSampleId :
TP3DL



Tgt Ion:264 Resp: 88934
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.6
265 22.1 17.0 25.6

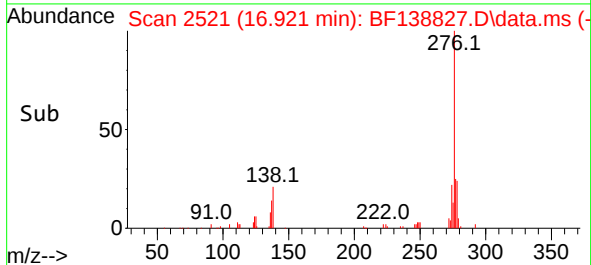
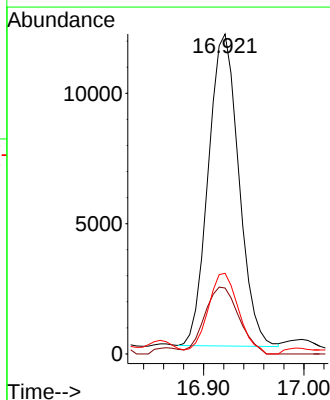
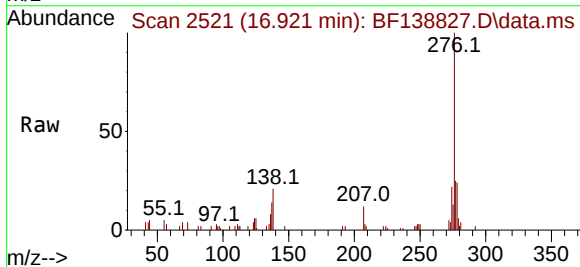
Manual Integrations
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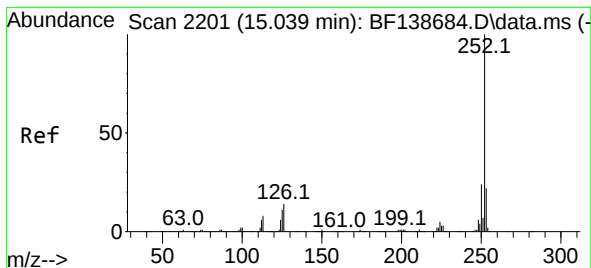
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.968 ng
RT: 16.921 min Scan# 2521
Delta R.T. -0.018 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

Tgt Ion:276 Resp: 25288
Ion Ratio Lower Upper
276 100
138 24.1 21.8 32.8
277 26.1 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 17.261 ng m

RT: 15.033 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

ClientSampleId :

TP3DL

Tgt Ion:252 Resp: 95160

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

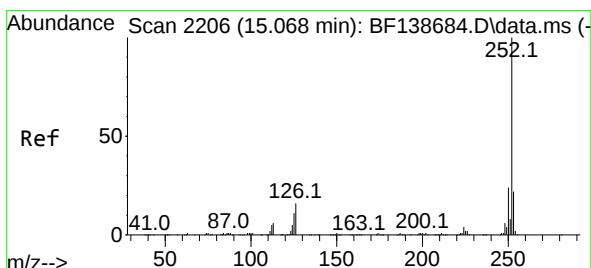
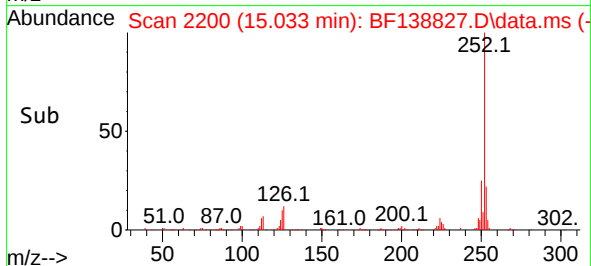
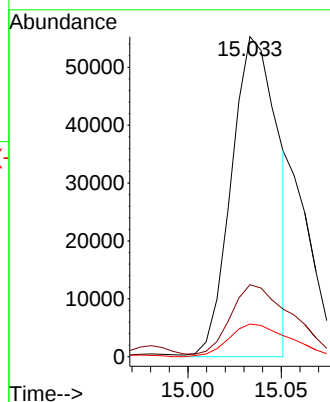
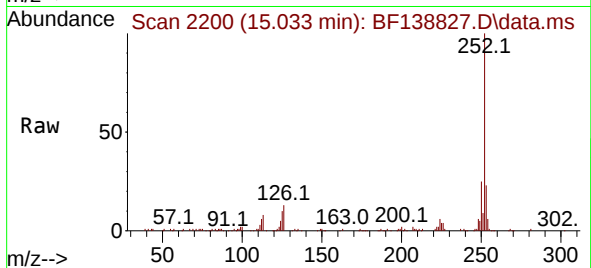
125 10.2 8.9 13.3

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#89

Benzo(k)fluoranthene

Concen: 6.000 ng m

RT: 15.051 min Scan# 2203

Delta R.T. -0.018 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

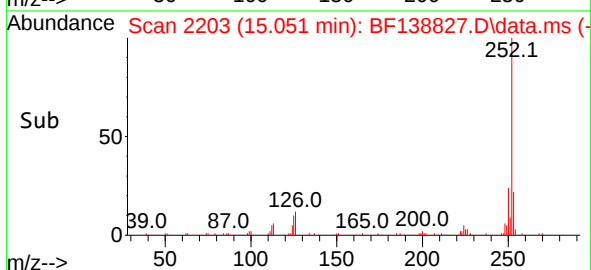
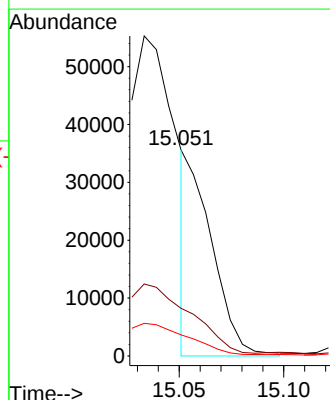
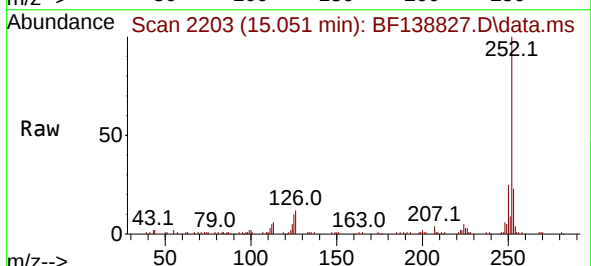
Tgt Ion:252 Resp: 28642

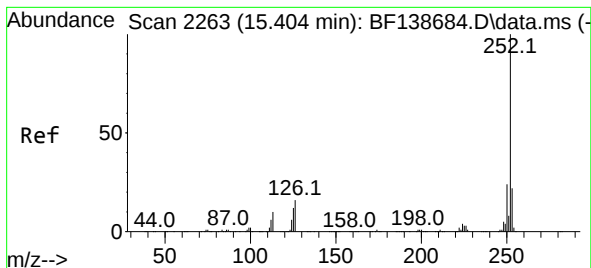
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 10.3 8.6 13.0





#90

Benzo(a)pyrene

Concen: 13.229 ng

RT: 15.398 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

ClientSampleId :

TP3DL

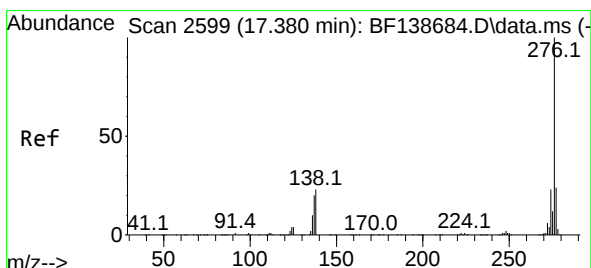
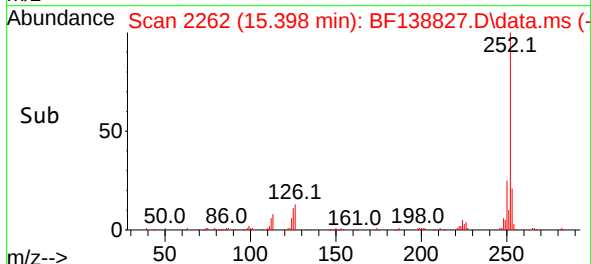
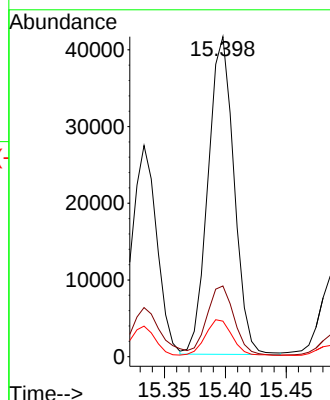
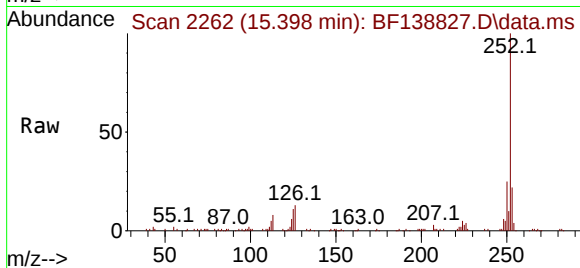
Tgt Ion:	252	Resp:	6134
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.3	25.9
125	11.1	9.5	14.3

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#92

Benzo(g,h,i)perylene

Concen: 4.062 ng

RT: 17.362 min Scan# 2596

Delta R.T. -0.018 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

Tgt Ion:	276	Resp:	22053
Ion Ratio	Lower	Upper	
276	100		
277	26.0	19.0	28.4
138	19.1	18.5	27.7

