

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
 Data File : BF138871.D
 Acq On : 08 Aug 2024 18:01
 Operator : RC/JU
 Sample : P3488-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-080624

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/09/2024
 Supervised By :mohammad ahmed 08/09/2024

Quant Time: Aug 08 18:32:59 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	6.839	152	42641	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	165061	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	81303	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	115794	20.000	ng	-0.01
76) Chrysene-d12	13.992	240	77484	20.000	ng	-0.01
86) Perylene-d12	15.457	264	69361	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	37067	13.419	ng	0.00
7) Phenol-d6	6.481	99	49924	13.461	ng	0.00
23) Nitrobenzene-d5	7.404	82	32140	9.520	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	7087	10.641	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	57014	10.536	ng	-0.01
79) Terphenyl-d14	12.933	244	41174	8.897	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.380	178	66708	11.188	ng	99
72) Anthracene	11.433	178	20551	3.499	ng	99
75) Fluoranthene	12.568	202	138188	24.826	ng	97
78) Pyrene	12.798	202	118015	16.177	ng	99
81) Benzo(a)anthracene	13.986	228	53270	9.984	ng	97
83) Chrysene	14.021	228	42184m	8.763	ng	
87) Indeno(1,2,3-cd)pyrene	16.927	276	18909	3.804	ng	95
88) Benzo(b)fluoranthene	15.033	252	61384m	14.276	ng	
89) Benzo(k)fluoranthene	15.051	252	19341m	5.195	ng	
90) Benzo(a)pyrene	15.398	252	42721	11.812	ng	95
92) Benzo(g,h,i)perylene	17.368	276	19645	4.640	ng	97

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

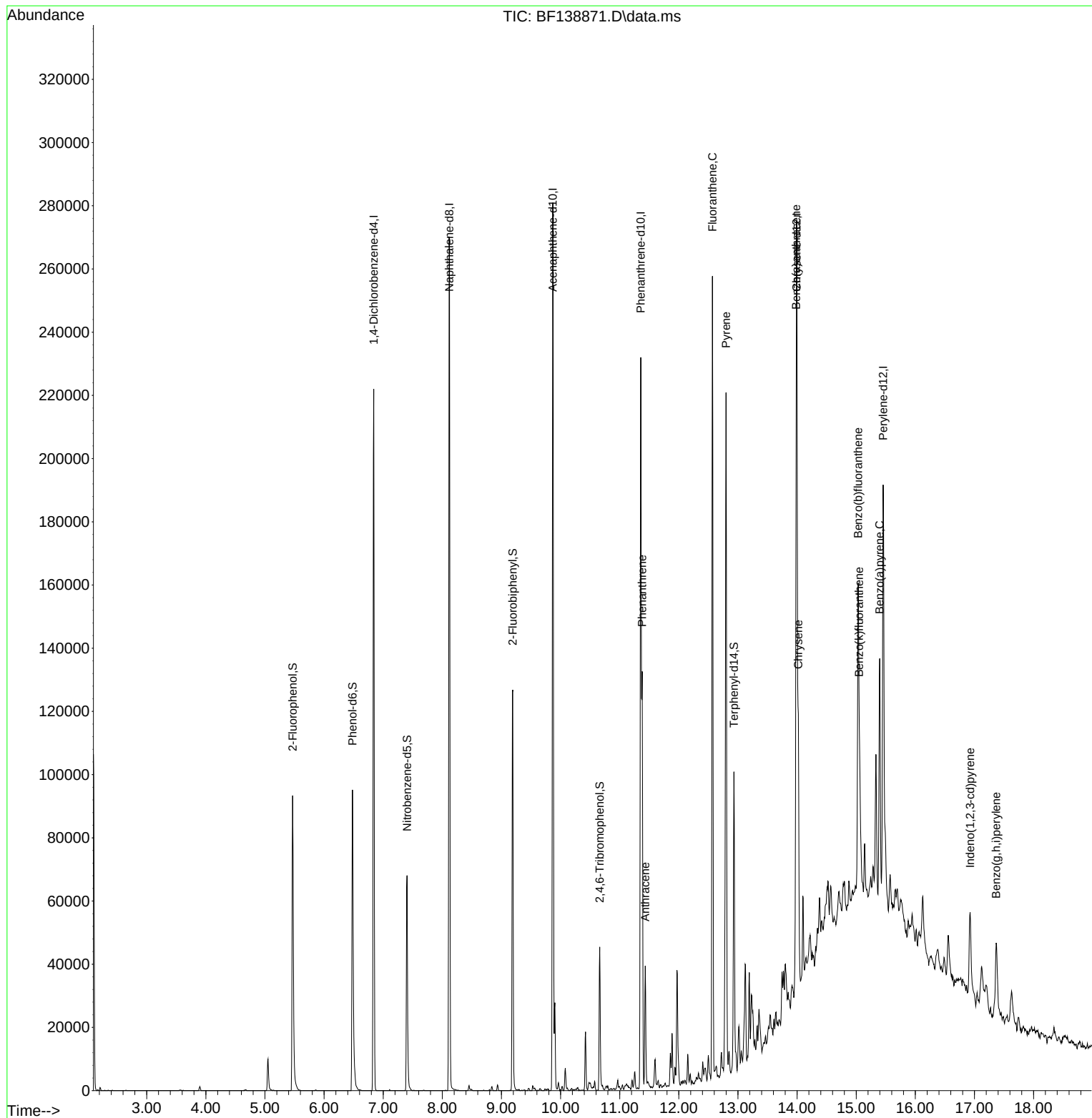
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
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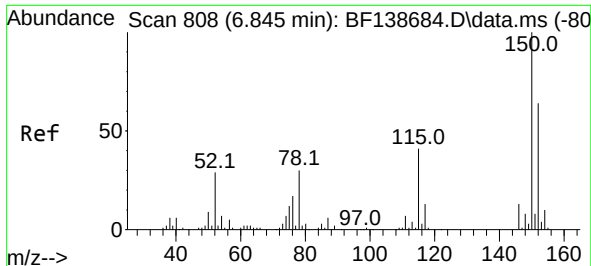
Instrument :
BNA_F
ClientSampleId :
HD-01-080624

Quant Time: Aug 08 18:32:59 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

Manual Integrations
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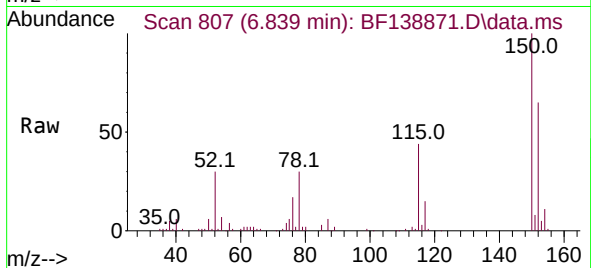
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

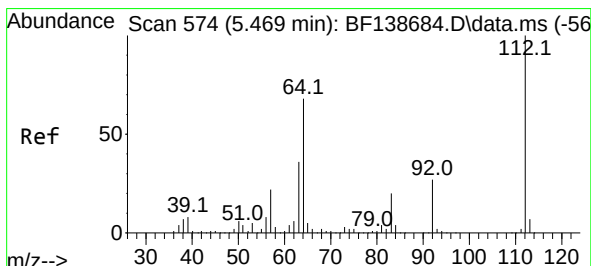
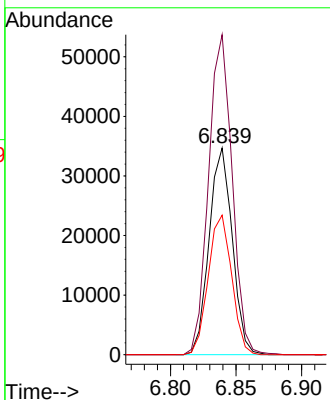
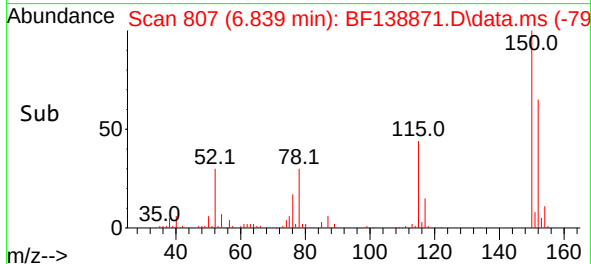
Instrument :
BNA_F
ClientSampleId :
HD-01-080624



Tgt Ion:152 Resp: 4264
Ion Ratio Lower Upper
152 100
150 154.8 126.0 189.0
115 67.5 51.7 77.5

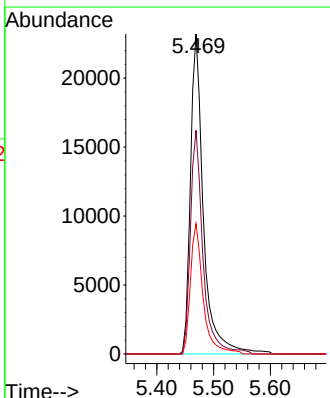
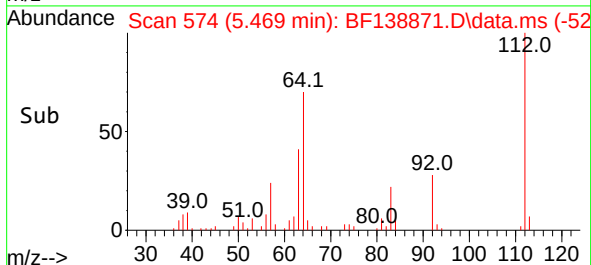
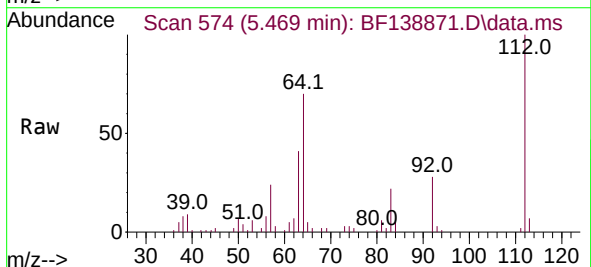
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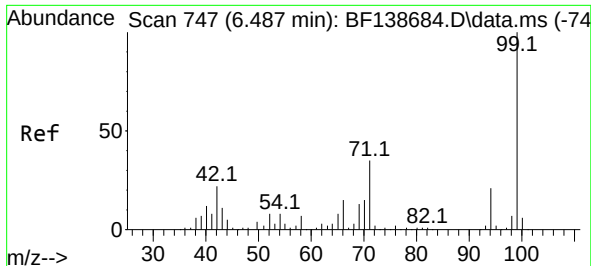
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#5
2-Fluorophenol
Concen: 13.419 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

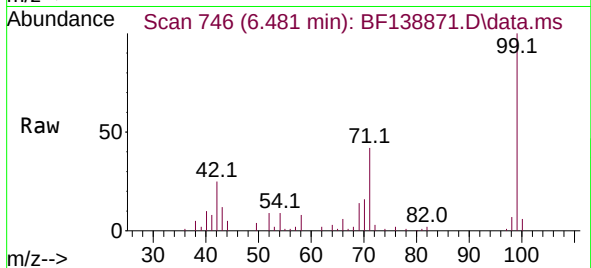
Tgt Ion:112 Resp: 37067
Ion Ratio Lower Upper
112 100
64 69.9 54.2 81.4
63 40.7 28.7 43.1





#7
Phenol-d6
Concen: 13.461 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

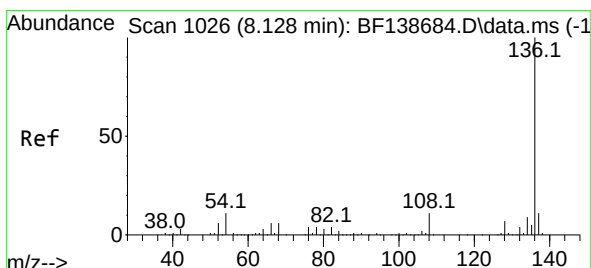
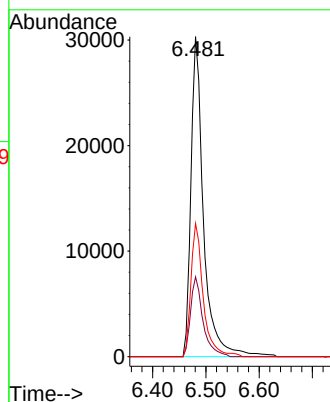
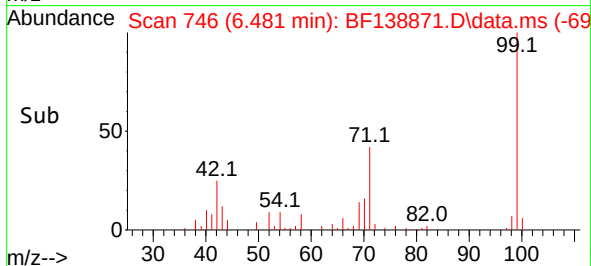
Instrument :
BNA_F
ClientSampleId :
HD-01-080624



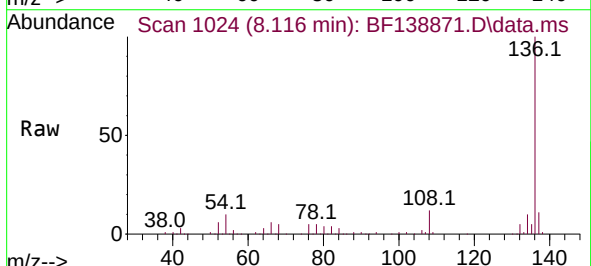
Tgt Ion: 99 Resp: 49924
Ion Ratio Lower Upper
99 100
42 25.0 17.4 26.0
71 41.6 28.1 42.1

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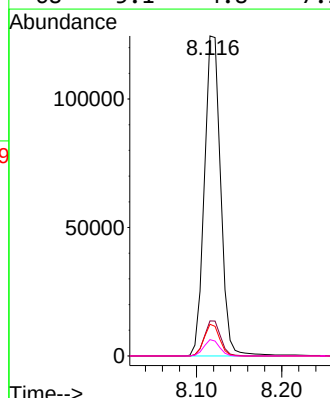
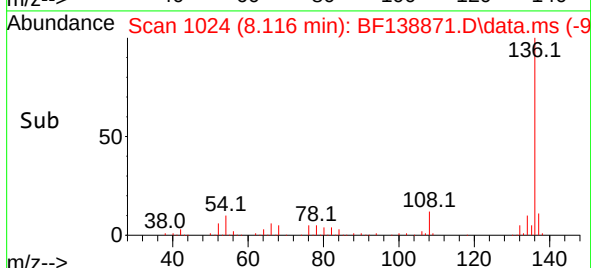
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

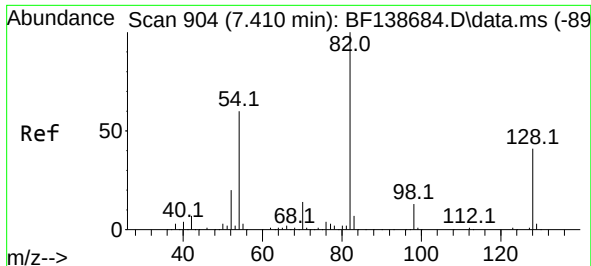


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01



Tgt Ion:136 Resp: 165061
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.9 8.6 12.8
68 5.1 4.8 7.2





#23

Nitrobenzene-d5

Concen: 9.520 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

Instrument :

BNA_F

ClientSampleId :

HD-01-080624

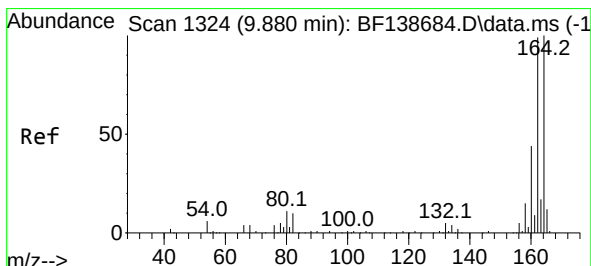
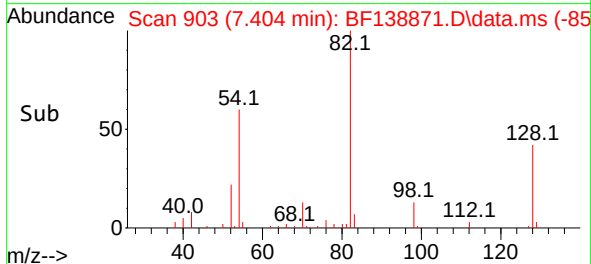
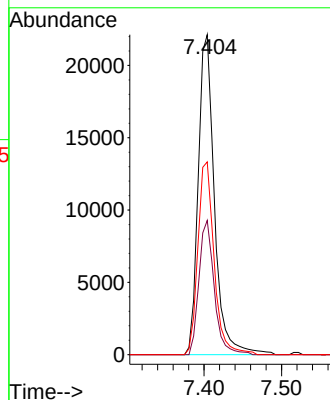
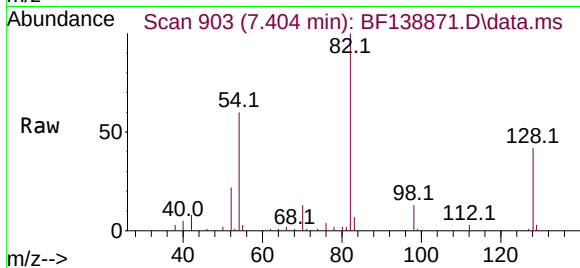
Tgt Ion: 82	Resp: 32140
Ion Ratio	Lower Upper
82 100	
128 42.0	32.8 49.2
54 60.3	48.3 72.5

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

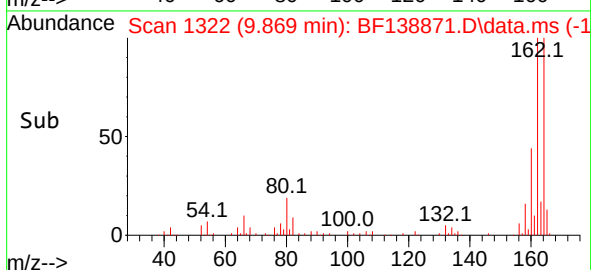
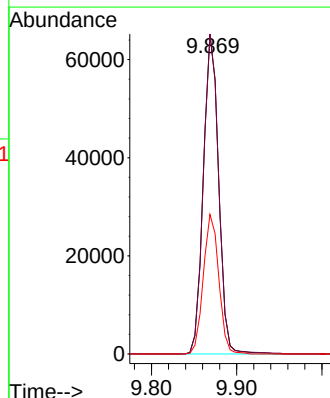
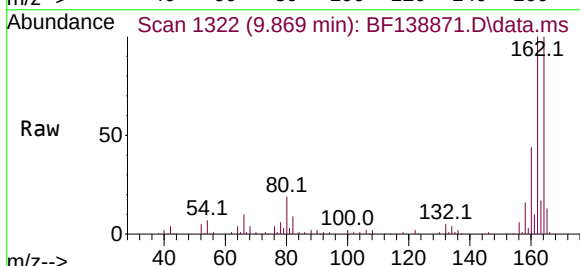
RT: 9.869 min Scan# 1322

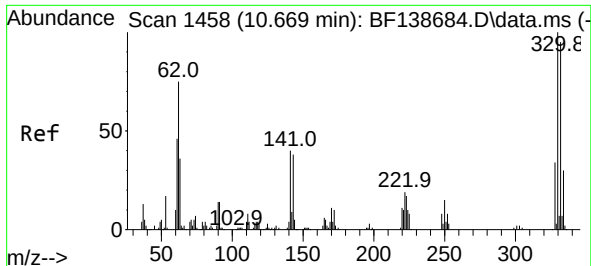
Delta R.T. -0.011 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

Tgt Ion:164	Resp: 81303
Ion Ratio	Lower Upper
164 100	
162 100.1	79.4 119.0
160 43.7	35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 10.641 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

Instrument :

BNA_F

ClientSampleId :

HD-01-080624

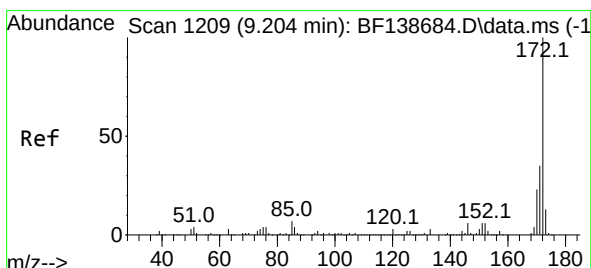
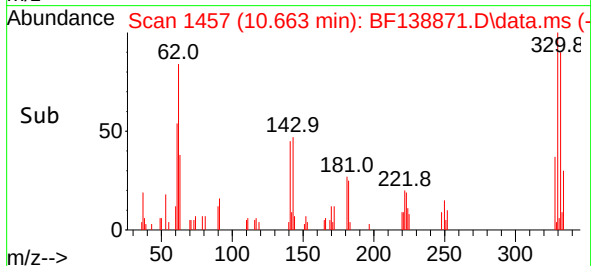
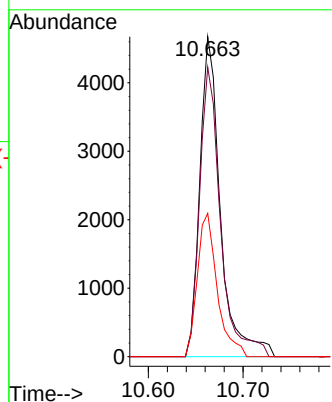
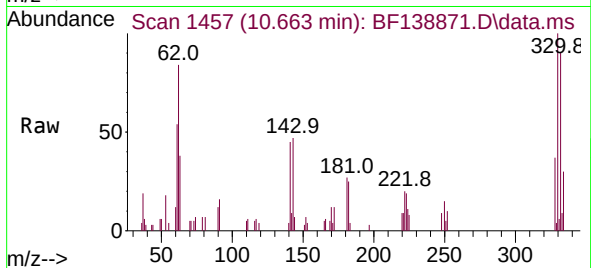
Tgt Ion:330 Resp: 708
Ion Ratio Lower Upper
330 100
332 91.5 76.4 114.6
141 43.2 31.1 46.7

Manual Integrations

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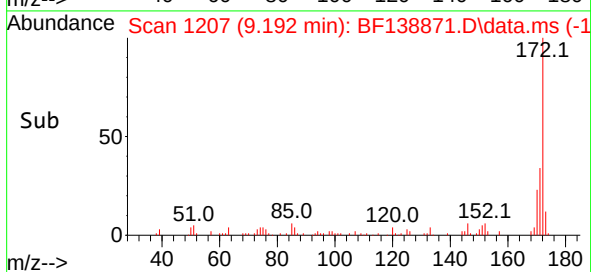
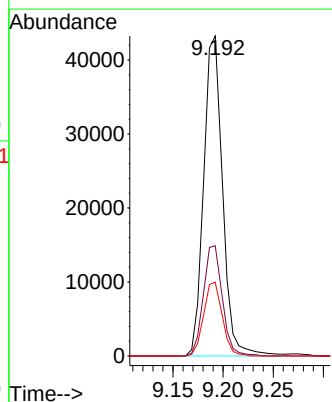
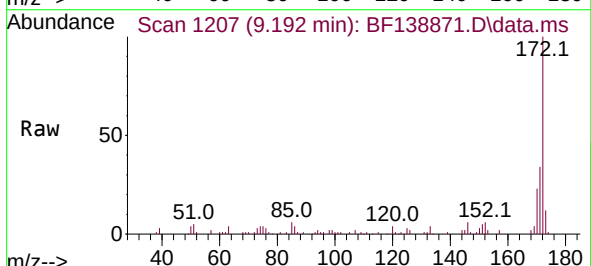
Reviewed By :Yogesh Patel 08/09/2024

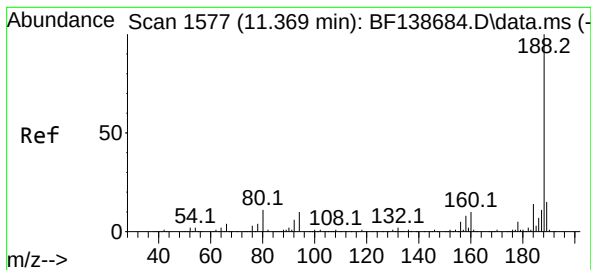
Supervised By :mohammad ahmed 08/09/2024



#45
2-Fluorobiphenyl
Concen: 10.536 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

Tgt Ion:172 Resp: 57014
Ion Ratio Lower Upper
172 100
171 34.4 28.3 42.5
170 23.0 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 115794

Delta R.T. -0.012 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

Instrument :

BNA_F

ClientSampleId :

HD-01-080624

Tgt Ion:188 Resp: 115794

Ion Ratio Lower Upper

188 100

94 8.5 7.6 11.4

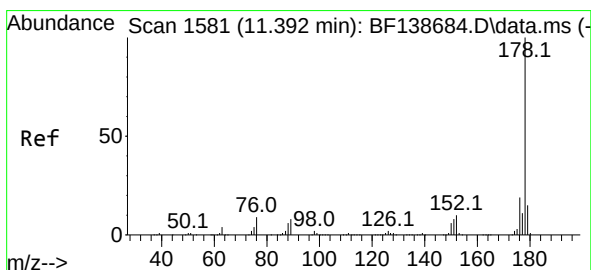
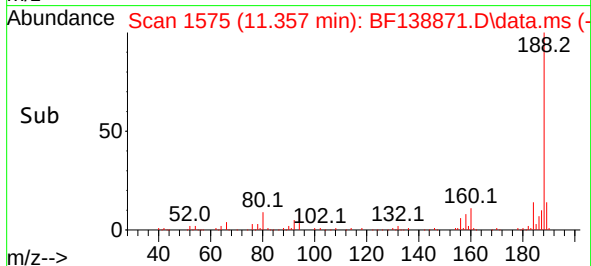
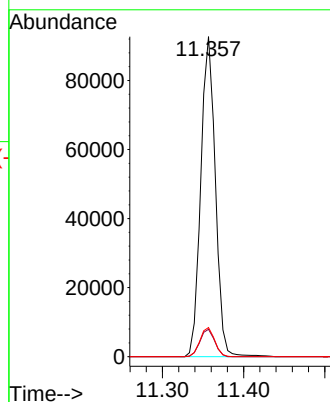
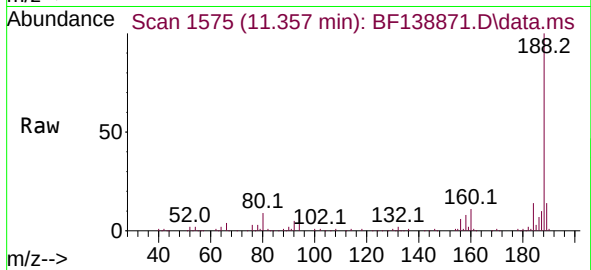
80 9.1 8.6 12.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#71

Phenanthrene

Concen: 11.188 ng

RT: 11.380 min Scan# 1579

Delta R.T. -0.012 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

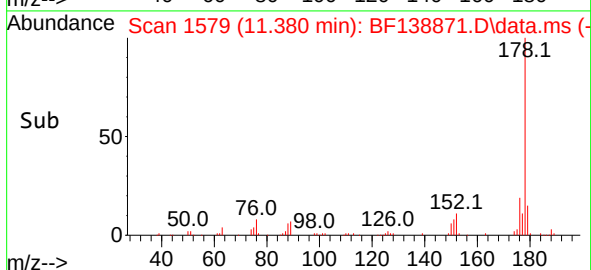
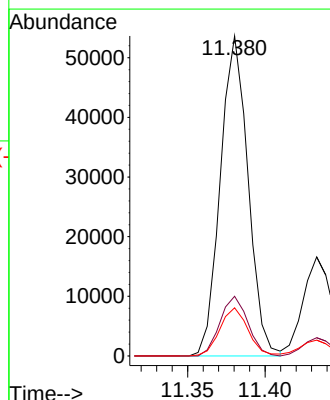
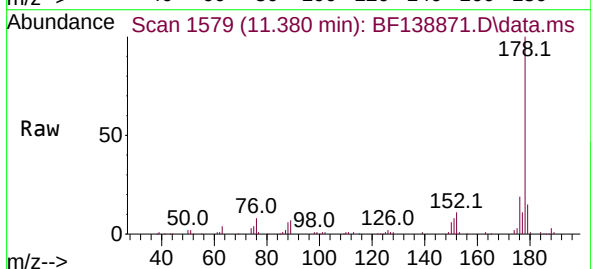
Tgt Ion:178 Resp: 66708

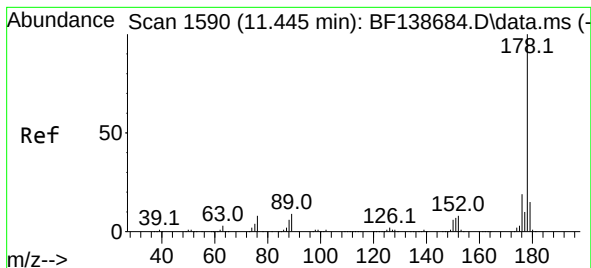
Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

179 15.1 12.2 18.2





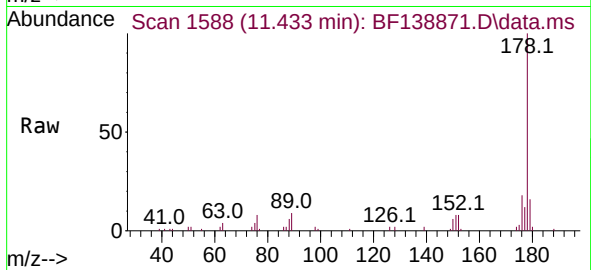
#72
 Anthracene
 Concen: 3.499 ng
 RT: 11.433 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF138871.D
 Acq: 08 Aug 2024 18:01

Instrument :

BNA_F

ClientSampleId :

HD-01-080624



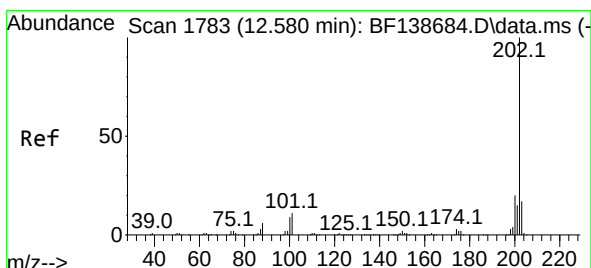
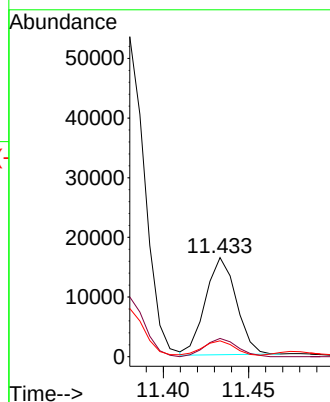
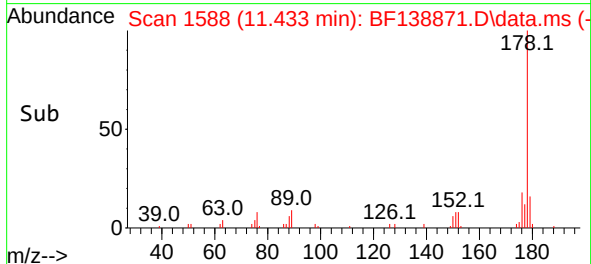
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 Ion Ratio Lower Upper
 178 100
 176 18.4 14.9 22.3
 179 16.0 12.4 18.6

Manual Integrations

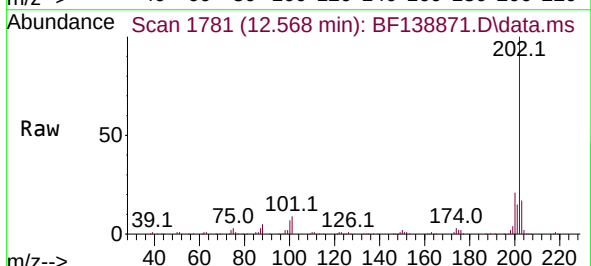
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Reviewed By :Yogesh Patel 08/09/2024

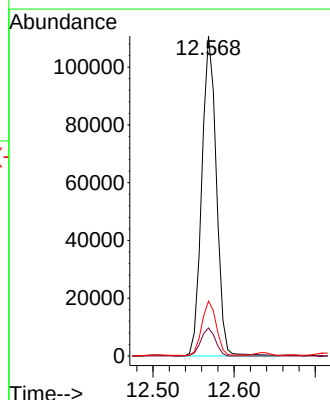
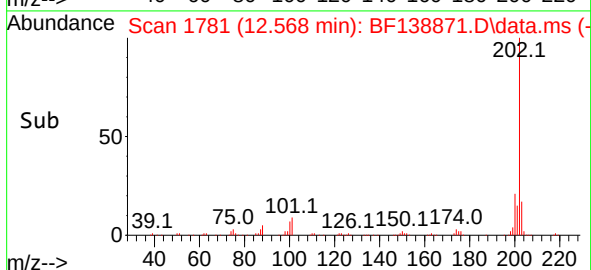
Supervised By :mohammad ahmed 08/09/2024

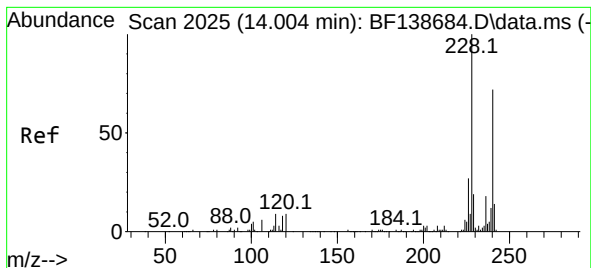


#75
 Fluoranthene
 Concen: 24.826 ng
 RT: 12.568 min Scan# 1781
 Delta R.T. -0.012 min
 Lab File: BF138871.D
 Acq: 08 Aug 2024 18:01



Tgt Ion:202 Resp: 138188
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 31.2
 203 17.1 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

Instrument :

BNA_F

ClientSampleId :

HD-01-080624

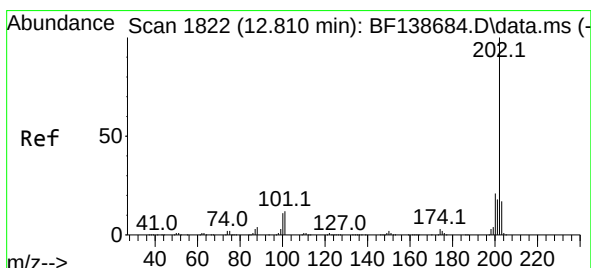
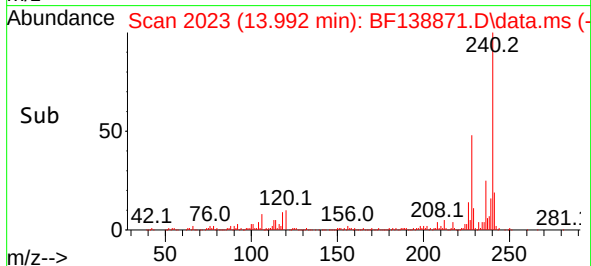
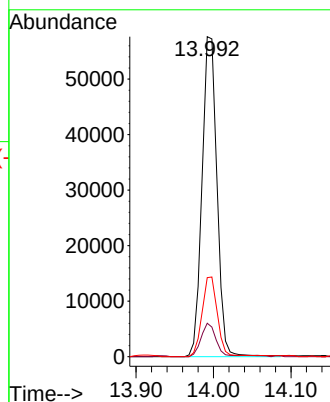
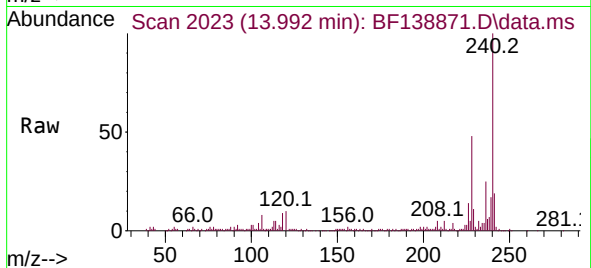
Tgt Ion:	240	Resp:	77484
Ion Ratio	Lower	Upper	
240	100		
120	10.5	10.2	15.4
236	24.7	19.8	29.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#78

Pyrene

Concen: 16.177 ng

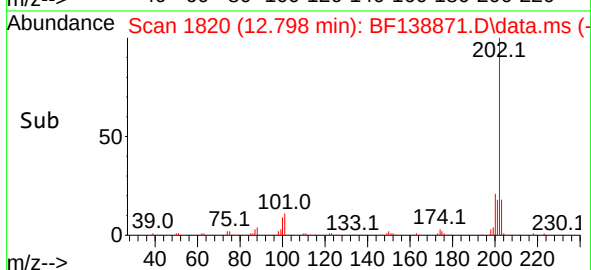
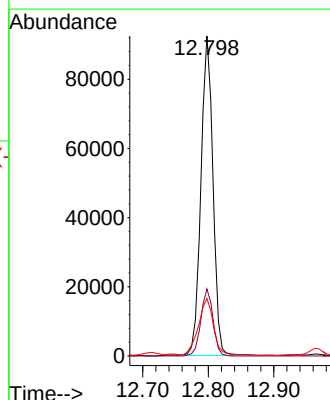
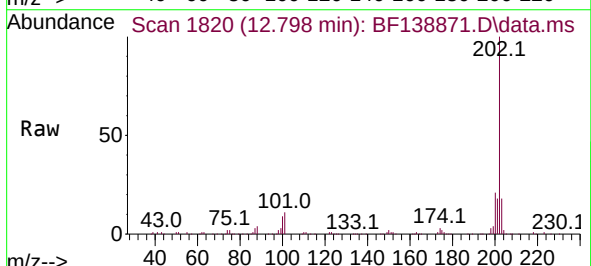
RT: 12.798 min Scan# 1820

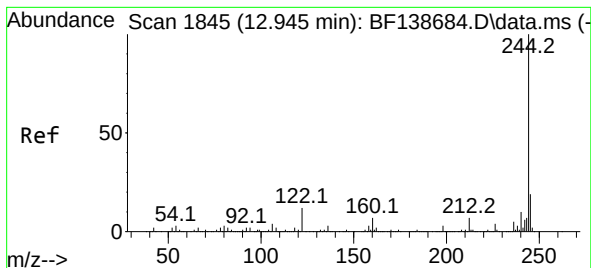
Delta R.T. -0.012 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

Tgt Ion:	202	Resp:	118015
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.8	25.2
203	17.9	13.8	20.6





#79

Terphenyl-d14

Concen: 8.897 ng

RT: 12.933 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138871.D

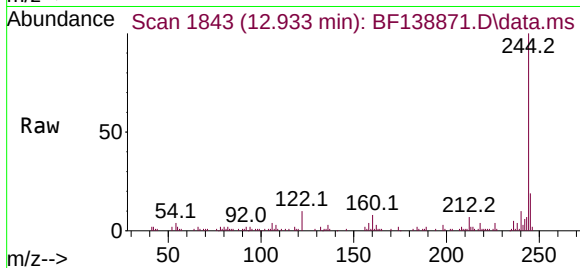
Acq: 08 Aug 2024 18:01

Instrument :

BNA_F

ClientSampleId :

HD-01-080624



Tgt Ion:244 Resp: 41174

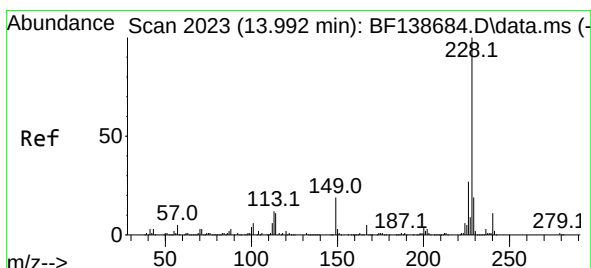
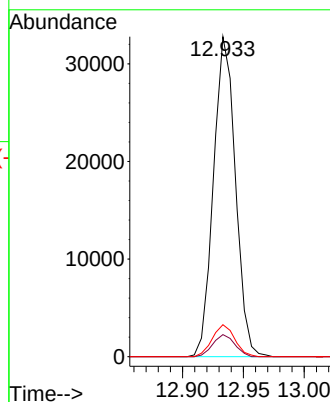
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	10.0	9.6	14.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#81

Benzo(a)anthracene

Concen: 9.984 ng

RT: 13.986 min Scan# 2022

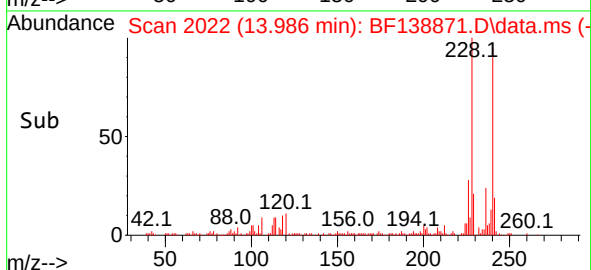
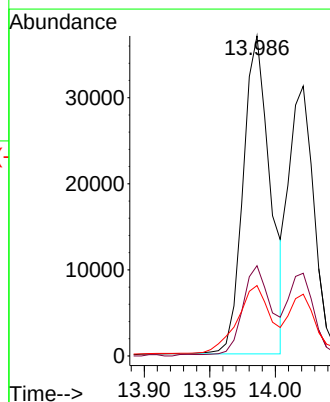
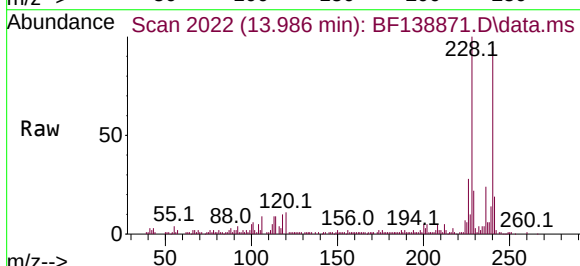
Delta R.T. -0.006 min

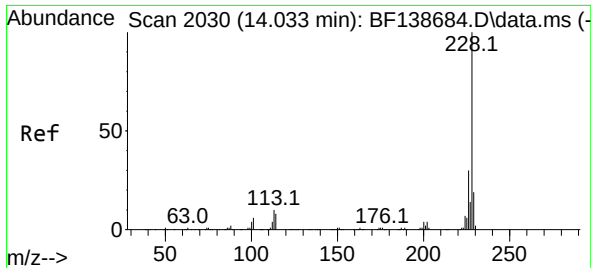
Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

Tgt Ion:228 Resp: 53270

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.1	33.1
229	22.0	15.4	23.0





#83
Chrysene
Concen: 8.763 ng m
RT: 14.021 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

Instrument :

BNA_F

ClientSampleId :

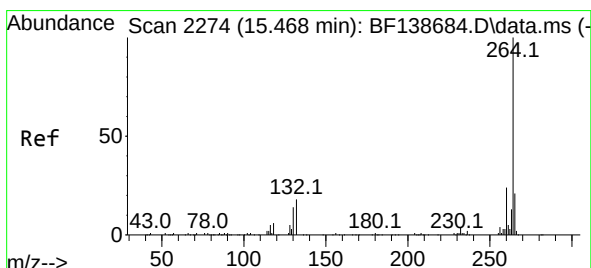
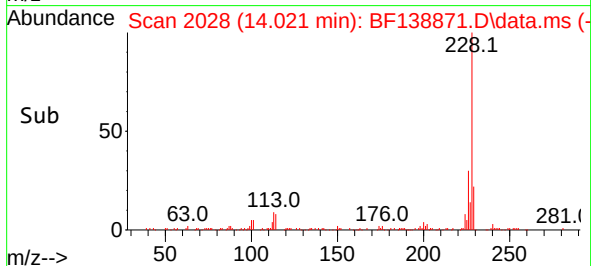
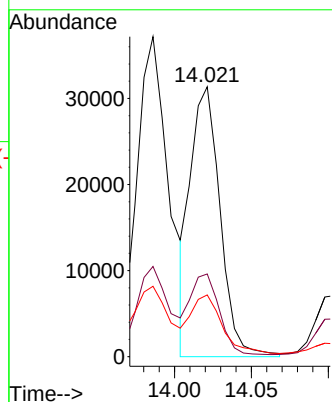
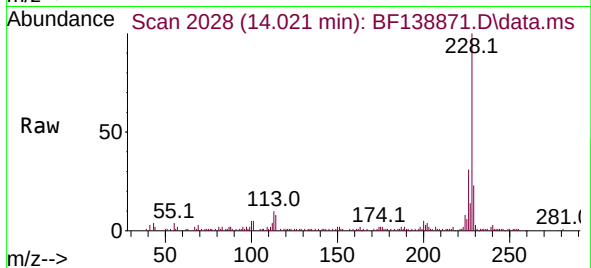
HD-01-080624

Tgt Ion:228 Resp: 42184
Ion Ratio Lower Upper
228 100
226 30.7 23.7 35.5
229 22.9 15.0 22.6

Manual Integrations

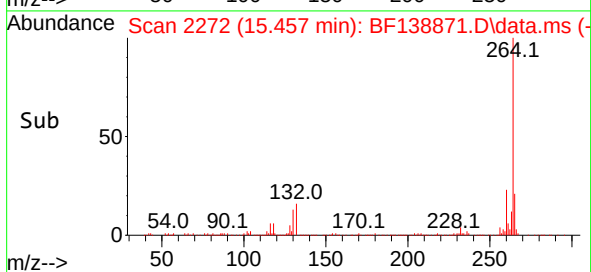
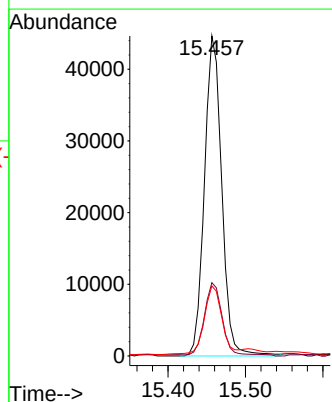
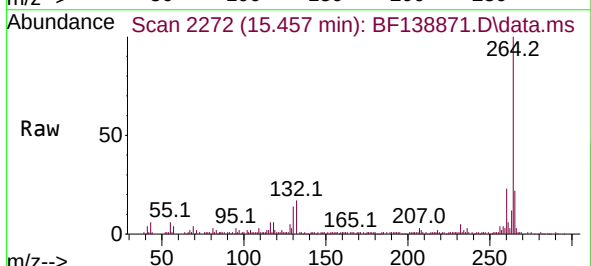
APPROVED

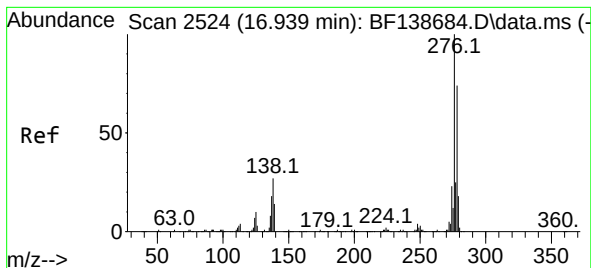
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

Tgt Ion:264 Resp: 69361
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.6
265 21.9 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.804 ng

RT: 16.927 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

Instrument :

BNA_F

ClientSampleId :

HD-01-080624

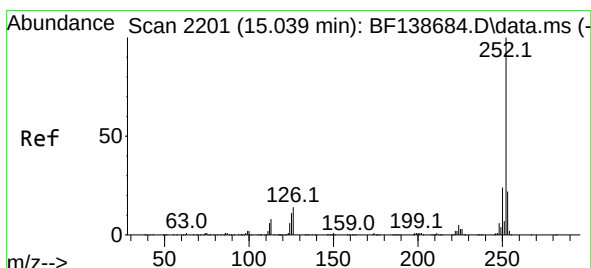
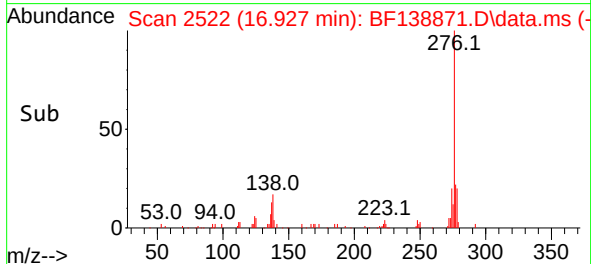
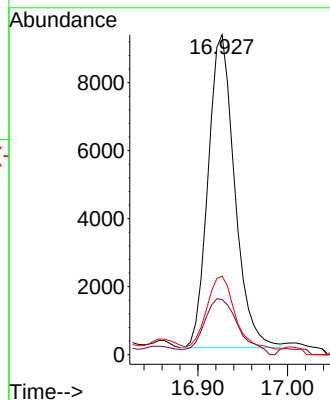
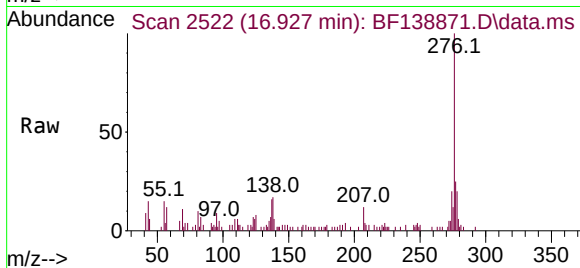
Tgt Ion:	276	Resp:	1890
Ion Ratio	Lower	Upper	
276	100		
138	23.3	21.8	32.8
277	24.4	20.6	30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#88

Benzo(b)fluoranthene

Concen: 14.276 ng m

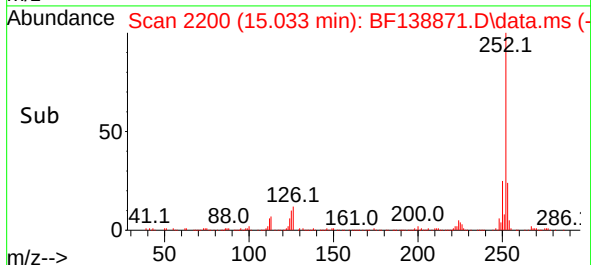
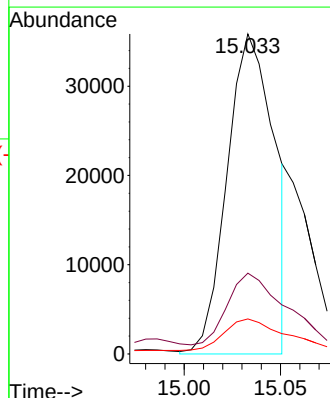
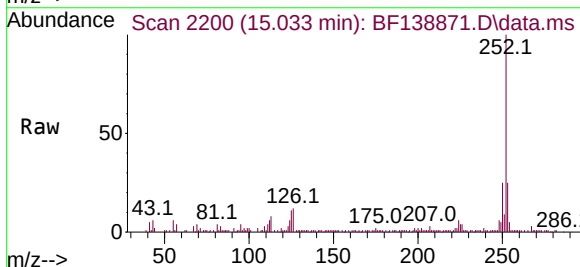
RT: 15.033 min Scan# 2200

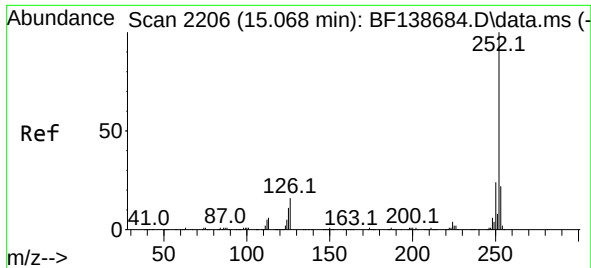
Delta R.T. -0.006 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

Tgt Ion:	252	Resp:	61384
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.5	26.3
125	11.0	8.9	13.3





#89
Benzo(k)fluoranthene
Concen: 5.195 ng m
RT: 15.051 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

Instrument :

BNA_F

ClientSampleId :

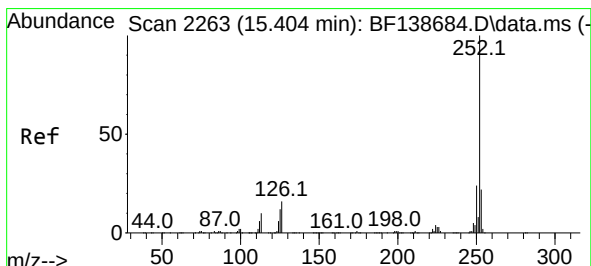
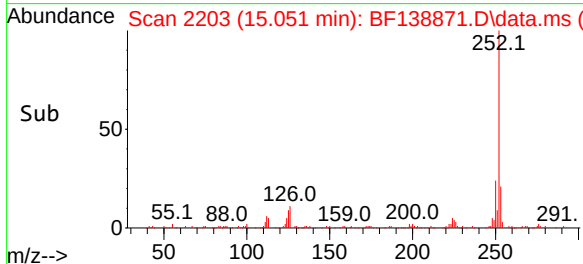
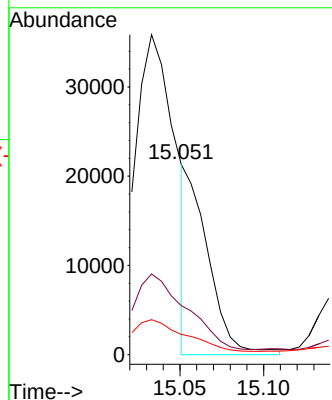
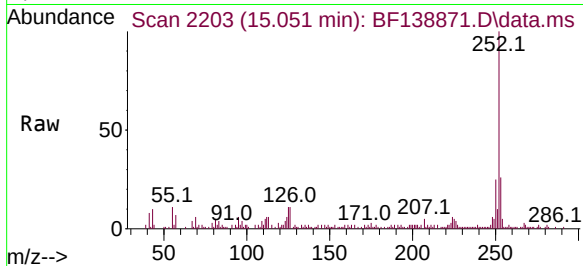
HD-01-080624

Tgt Ion:252 Resp: 1934
Ion Ratio Lower Upper
252 100
253 25.8 17.4 26.0
125 10.7 8.6 13.0

Manual Integrations

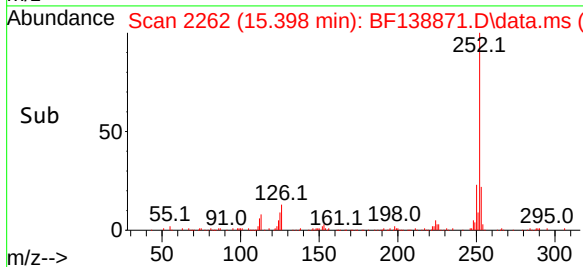
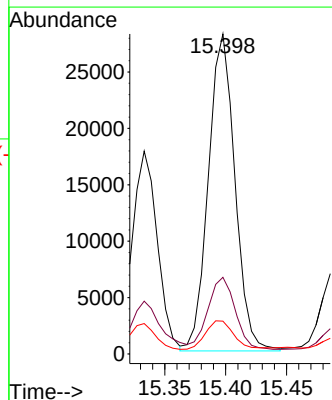
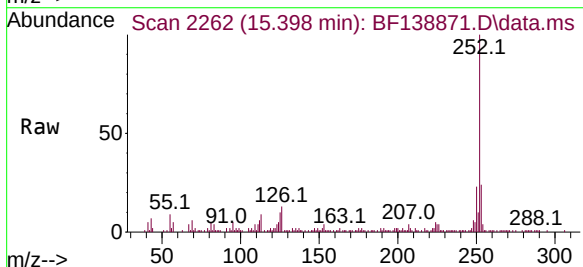
APPROVED

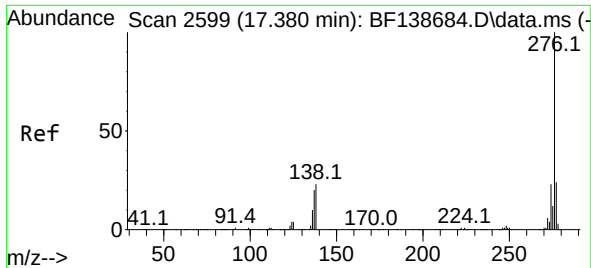
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#90
Benzo(a)pyrene
Concen: 11.812 ng
RT: 15.398 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

Tgt Ion:252 Resp: 42721
Ion Ratio Lower Upper
252 100
253 24.0 17.3 25.9
125 10.3 9.5 14.3





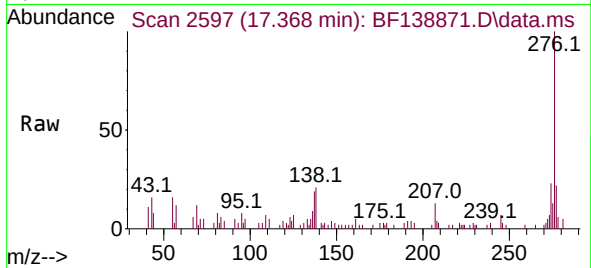
#92
 Benzo(g,h,i)perylene
 Concen: 4.640 ng
 RT: 17.368 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF138871.D
 Acq: 08 Aug 2024 18:01

Instrument :

BNA_F

ClientSampleId :

HD-01-080624



Tgt Ion:	276	Resp:	1964
Ion Ratio	Lower	Upper	
276	100		
277	22.1	19.0	28.4
138	21.4	18.5	27.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024

