

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138796.D
 Acq On : 05 Aug 2024 20:57
 Operator : RC/JU
 Sample : P3403-01DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT3054DL

Quant Time: Aug 06 00:56:55 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 APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	36180	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	123161	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	53955	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	87715	20.000	ng	# 0.00
76) Chrysene-d12	14.010	240	60029	20.000	ng	0.00
86) Perylene-d12	15.474	264	48846	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	17888	7.632	ng	0.00
7) Phenol-d6	6.487	99	21784	6.923	ng	0.00
23) Nitrobenzene-d5	7.404	82	13429	5.331	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	3083	6.976	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	21851	6.085	ng	0.00
79) Terphenyl-d14	12.951	244	23691	6.608	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	65177	14.430	ng	97
72) Anthracene	11.445	178	9907m	2.227	ng	
75) Fluoranthene	12.586	202	84629	20.071	ng	98
78) Pyrene	12.816	202	92411	16.350	ng	98
81) Benzo(a)anthracene	13.998	228	37588	9.093	ng	94
83) Chrysene	14.033	228	35802m	9.600	ng	
87) Indeno(1,2,3-cd)pyrene	16.945	276	10042	2.869	ng	96
88) Benzo(b)fluoranthene	15.051	252	27594m	9.113	ng	
89) Benzo(k)fluoranthene	15.063	252	11300m	4.310	ng	
90) Benzo(a)pyrene	15.416	252	20667	8.114	ng	95
92) Benzo(g,h,i)perylene	17.398	276	10967	3.678	ng	# 90

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

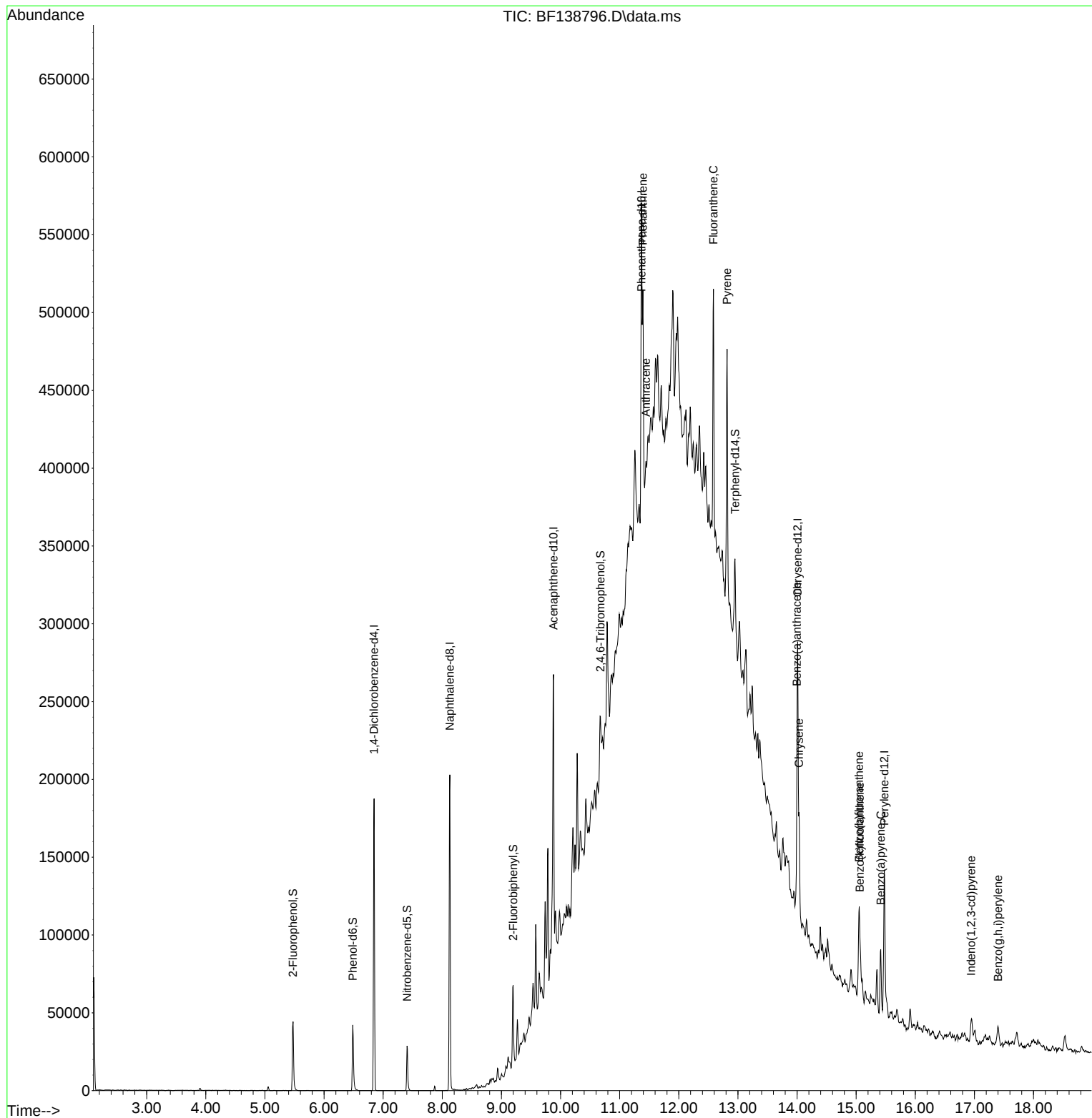
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138796.D
Acq On : 05 Aug 2024 20:57
Operator : RC/JU
Sample : P3403-01DL 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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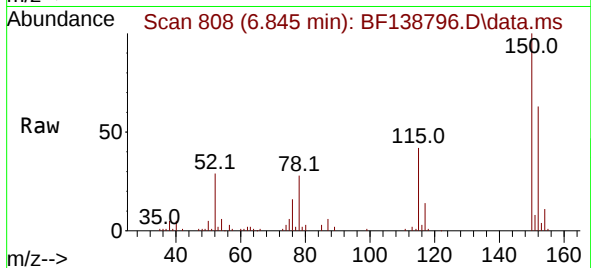
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF138796.D
Acq: 05 Aug 2024 20:57

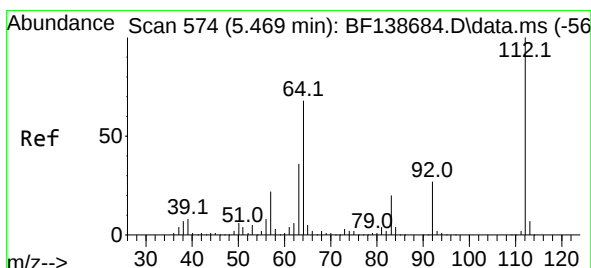
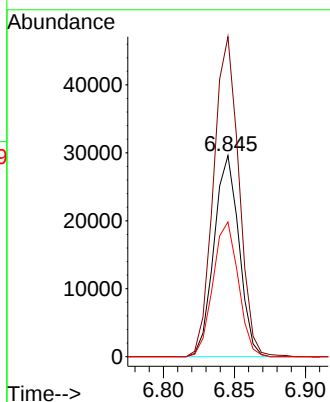
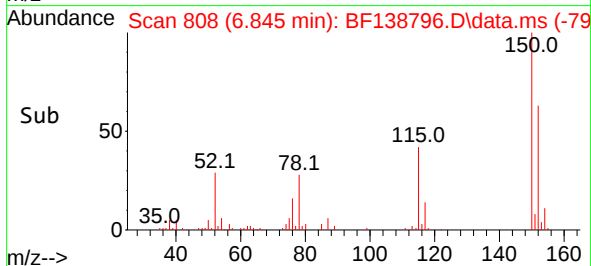
Instrument :
BNA_F
ClientSampleId :
RT3054DL



Tgt Ion:152 Resp: 36180
Ion Ratio Lower Upper
152 100
150 159.1 126.0 189.0
115 67.0 51.7 77.5

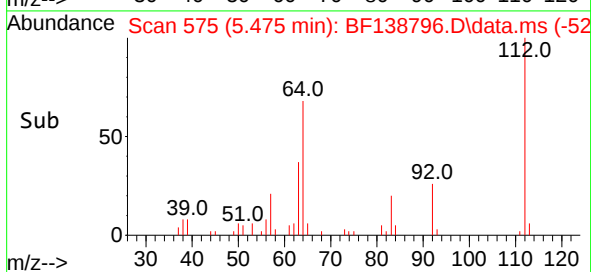
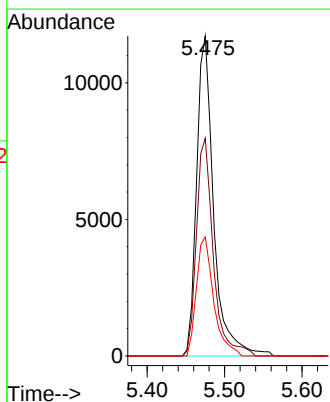
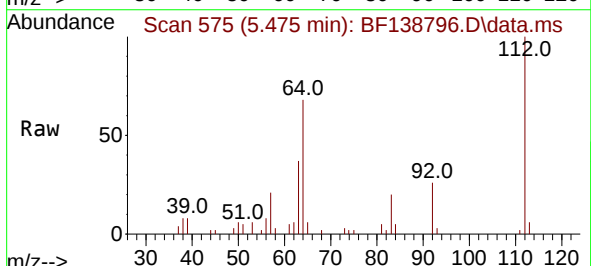
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#5
2-Fluorophenol
Concen: 7.632 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF138796.D
Acq: 05 Aug 2024 20:57

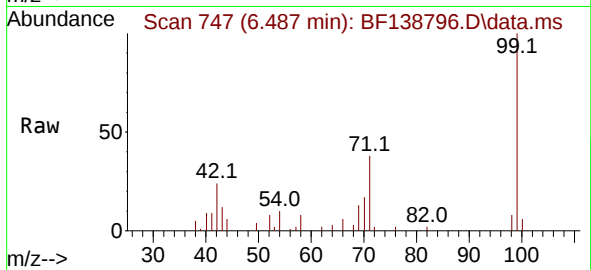
Tgt Ion:112 Resp: 17888
Ion Ratio Lower Upper
112 100
64 68.1 54.2 81.4
63 37.2 28.7 43.1





#7
Phenol-d6
Concen: 6.923 ng
RT: 6.487 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF138796.D
Acq: 05 Aug 2024 20:57

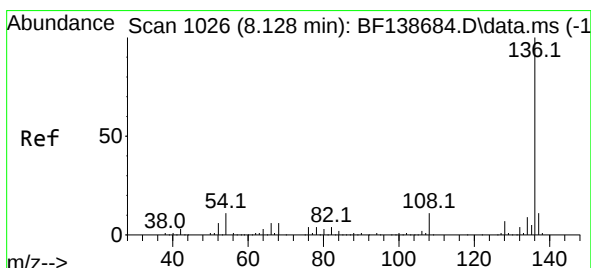
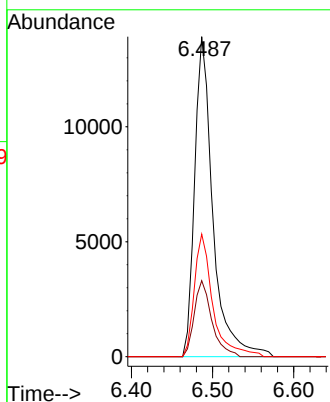
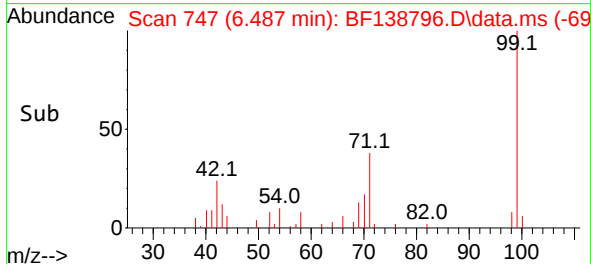
Instrument :
BNA_F
ClientSampleId :
RT3054DL



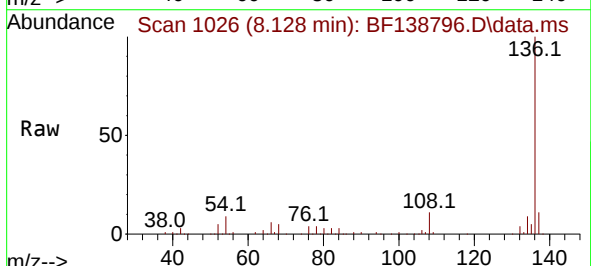
Tgt Ion: 99 Resp: 21784
Ion Ratio Lower Upper
99 100
42 23.7 17.4 26.0
71 38.3 28.1 42.1

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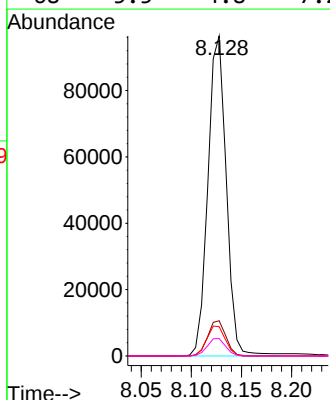
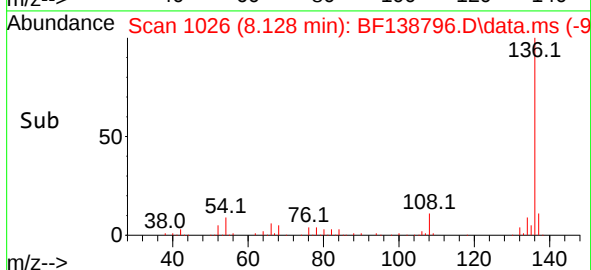
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Supervised By :mohammad ahmed 08/07/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138796.D
Acq: 05 Aug 2024 20:57



Tgt Ion:136 Resp: 123161
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.1 8.6 12.8
68 5.5 4.8 7.2





#23

Nitrobenzene-d5

Concen: 5.331 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138796.D

Acq: 05 Aug 2024 20:57

Instrument :

BNA_F

ClientSampleId :

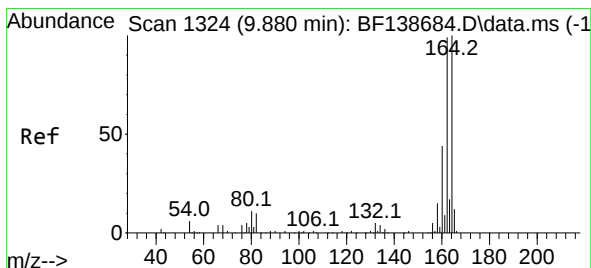
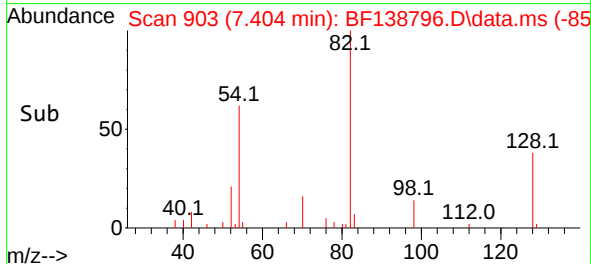
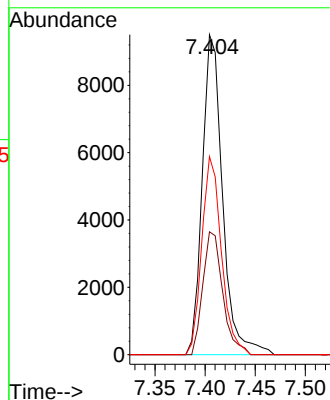
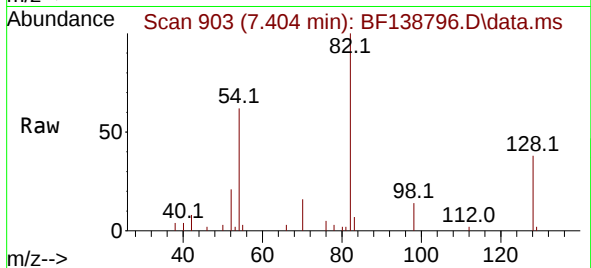
RT3054DL

Tgt Ion: 82	Resp: 13429
Ion Ratio	Lower Upper
82	100
128	38.4 32.8 49.2
54	61.9 48.3 72.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

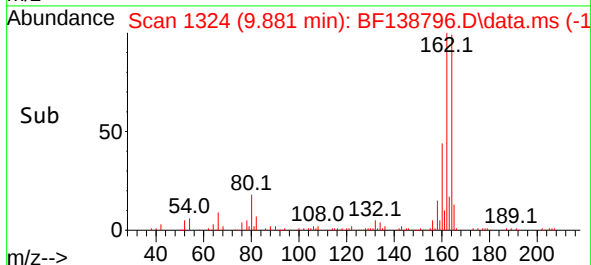
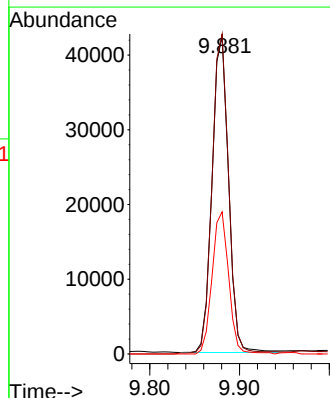
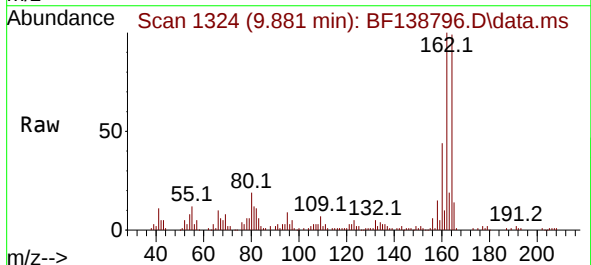
RT: 9.881 min Scan# 1324

Delta R.T. 0.001 min

Lab File: BF138796.D

Acq: 05 Aug 2024 20:57

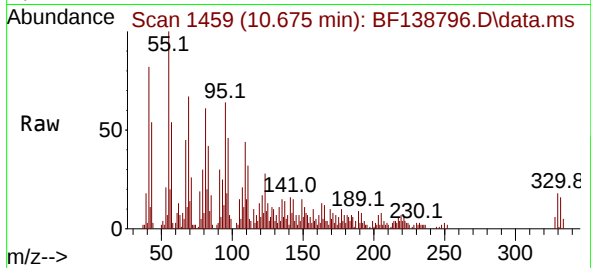
Tgt Ion:164	Resp: 53955
Ion Ratio	Lower Upper
164	100
162	100.8 79.4 119.0
160	44.8 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 6.976 ng
RT: 10.675 min Scan# 1458
Delta R.T. 0.006 min
Lab File: BF138796.D
Acq: 05 Aug 2024 20:57

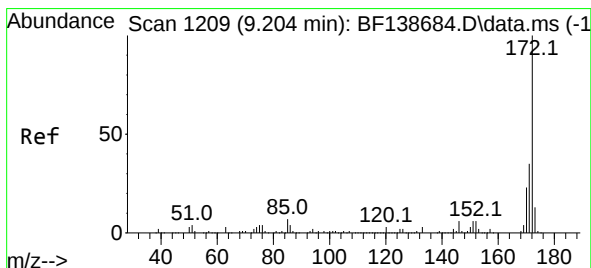
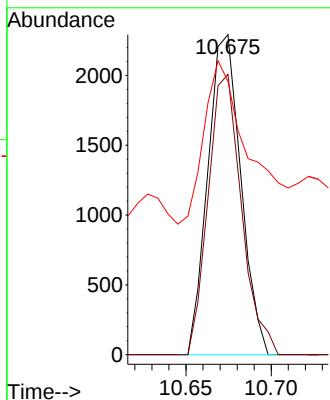
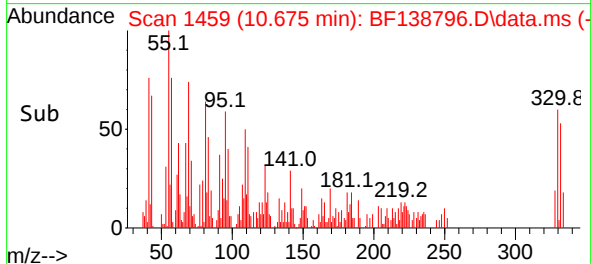
Instrument :
BNA_F
ClientSampleId :
RT3054DL



Tgt Ion: 330 Resp: 308
Ion Ratio Lower Upper
330 100
332 88.7 76.4 114.6
141 68.8 31.1 46.7

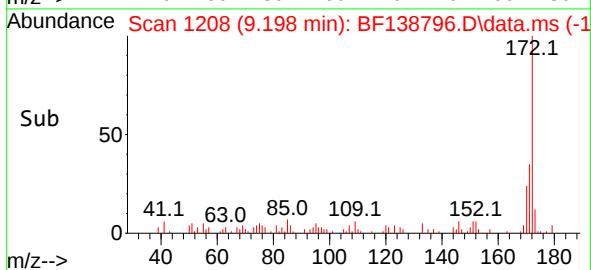
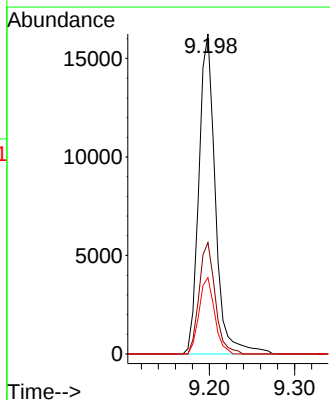
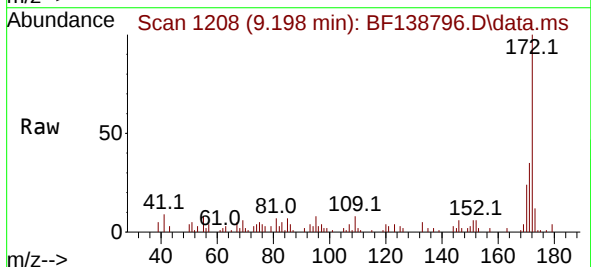
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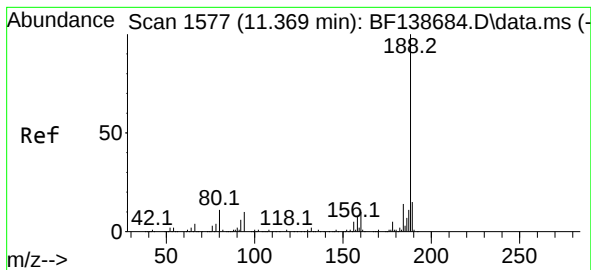
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Supervised By : mohammad ahmed 08/07/2024



#45
2-Fluorobiphenyl
Concen: 6.085 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138796.D
Acq: 05 Aug 2024 20:57

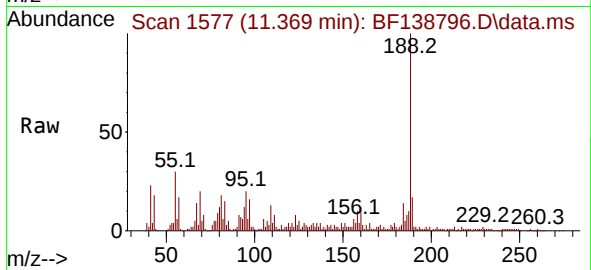
Tgt Ion: 172 Resp: 21851
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 23.9 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138796.D
Acq: 05 Aug 2024 20:57

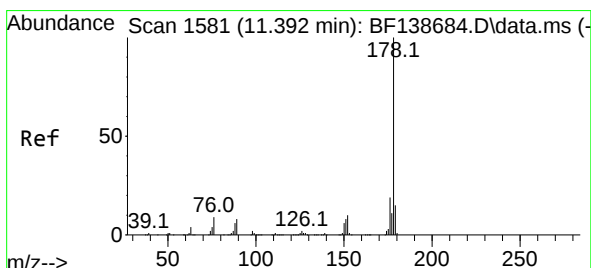
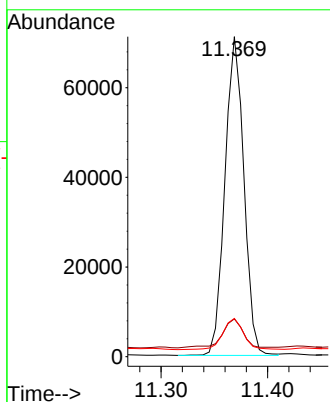
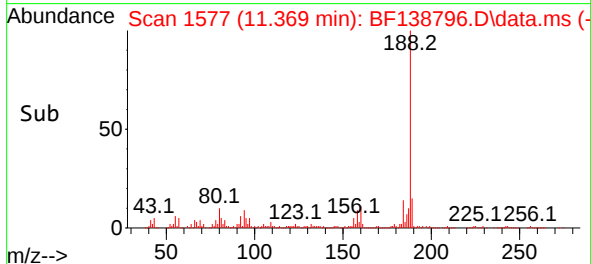
Instrument :
BNA_F
ClientSampleId :
RT3054DL



Tgt Ion:188 Resp: 87715
Ion Ratio Lower Upper
188 100
94 11.8 7.6 11.4
80 12.0 8.6 12.8

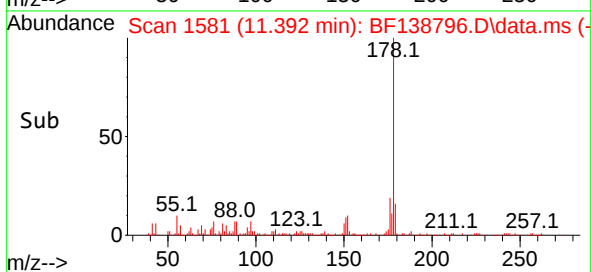
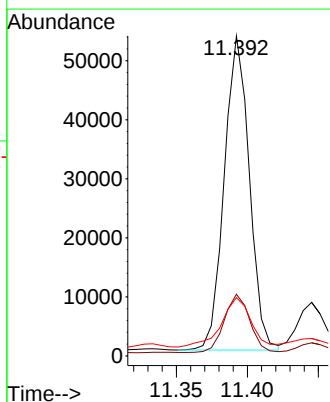
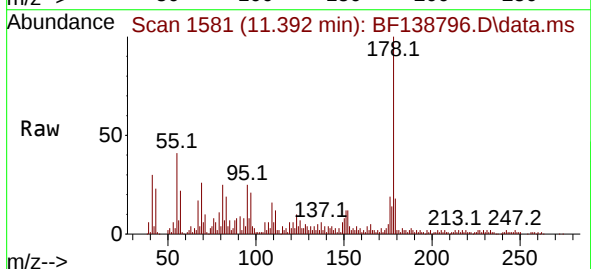
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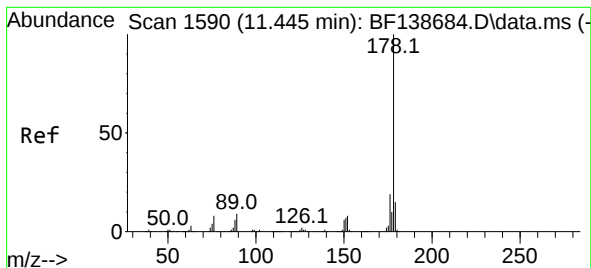
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#71
Phenanthrene
Concen: 14.430 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138796.D
Acq: 05 Aug 2024 20:57

Tgt Ion:178 Resp: 65177
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 18.2 12.2 18.2





#72

Anthracene

Concen: 2.227 ng m

RT: 11.445 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138796.D

Acq: 05 Aug 2024 20:57

Instrument :

BNA_F

ClientSampleId :

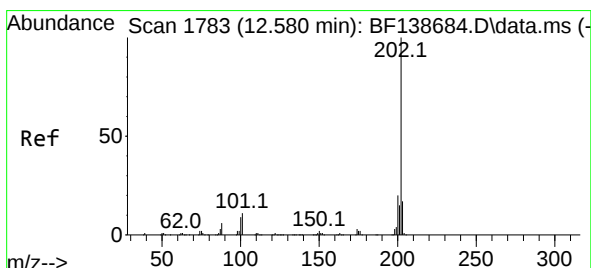
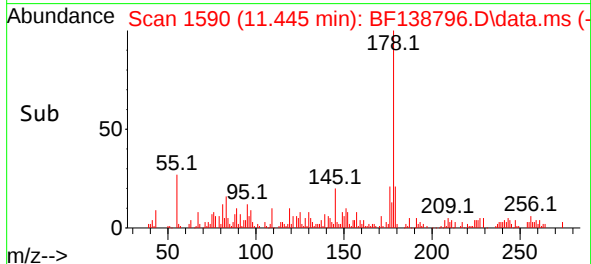
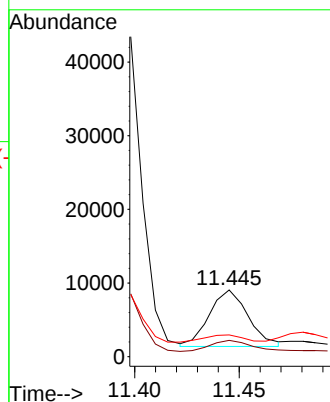
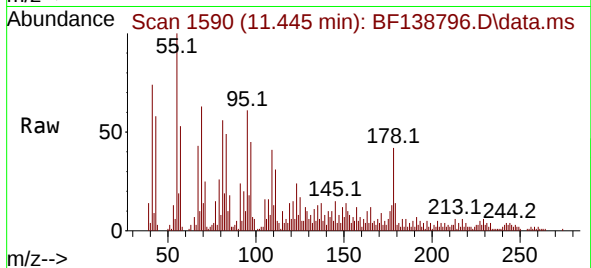
RT3054DL

Tgt Ion:	178	Resp:	990
Ion Ratio	Lower	Upper	
178	100		
176	24.4	14.9	22.3
179	32.7	12.4	18.6

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#75

Fluoranthene

Concen: 20.071 ng

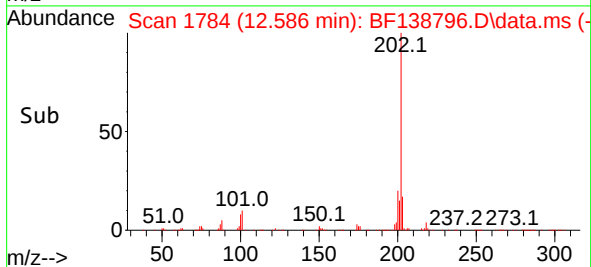
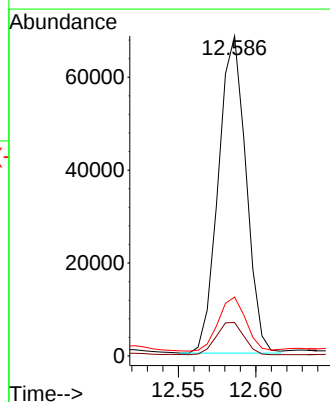
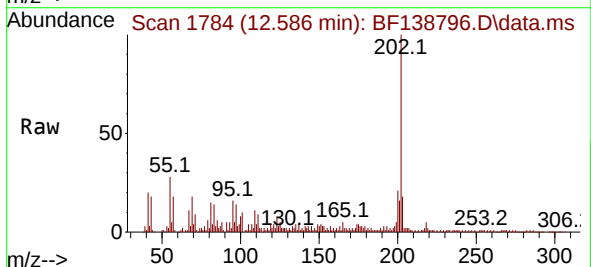
RT: 12.586 min Scan# 1784

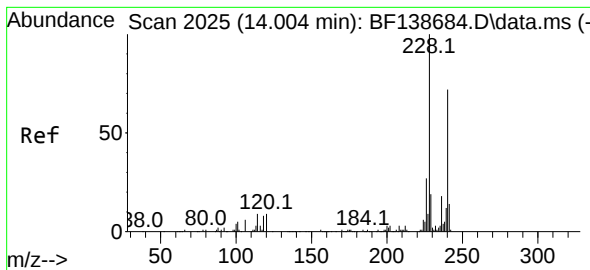
Delta R.T. 0.006 min

Lab File: BF138796.D

Acq: 05 Aug 2024 20:57

Tgt Ion:	202	Resp:	84629
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	31.2
203	18.4	0.0	37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF138796.D

Acq: 05 Aug 2024 20:57

Instrument :

BNA_F

ClientSampleId :

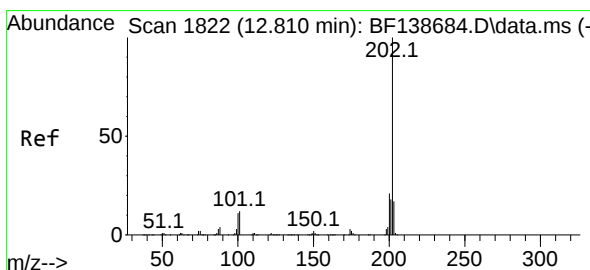
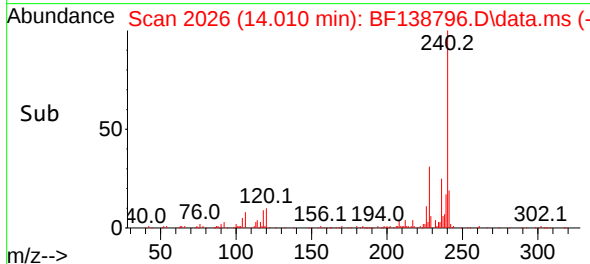
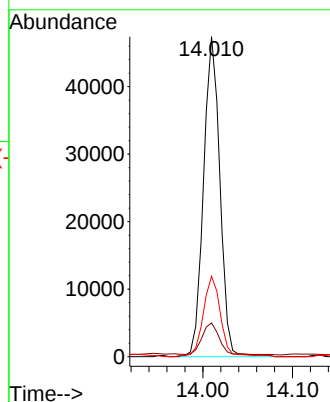
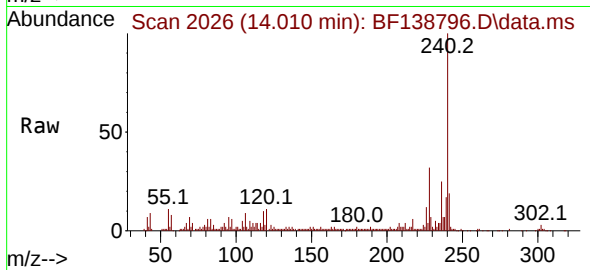
RT3054DL

Tgt Ion:	240	Resp:	60029
Ion Ratio	Lower	Upper	
240	100		
120	10.5	10.2	15.4
236	25.2	19.8	29.8

Manual Integrations

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#78

Pyrene

Concen: 16.350 ng

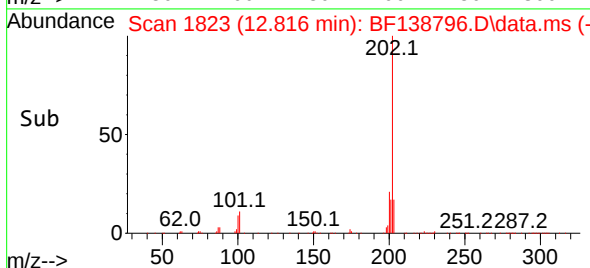
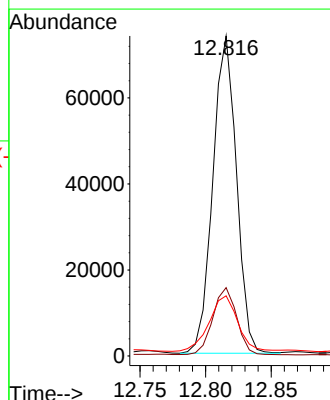
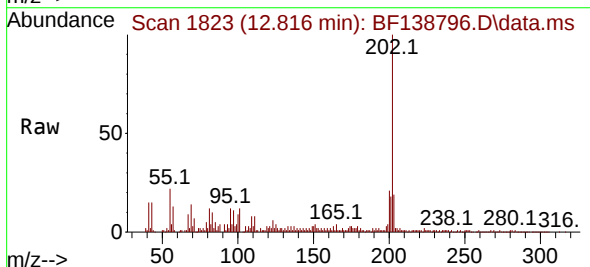
RT: 12.816 min Scan# 1823

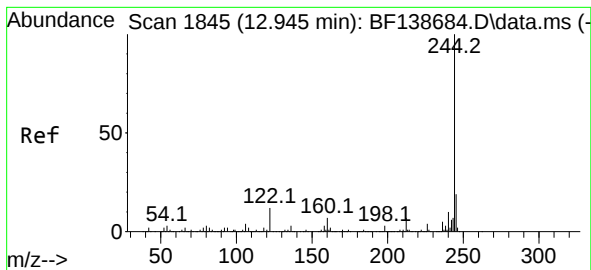
Delta R.T. 0.006 min

Lab File: BF138796.D

Acq: 05 Aug 2024 20:57

Tgt Ion:	202	Resp:	92411
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.8	25.2
203	18.8	13.8	20.6





#79

Terphenyl-d14

Concen: 6.608 ng

RT: 12.951 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF138796.D

Acq: 05 Aug 2024 20:57

Instrument :

BNA_F

ClientSampleId :

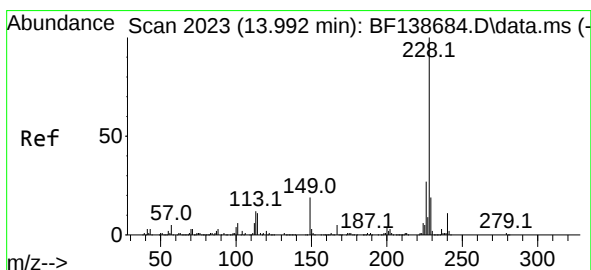
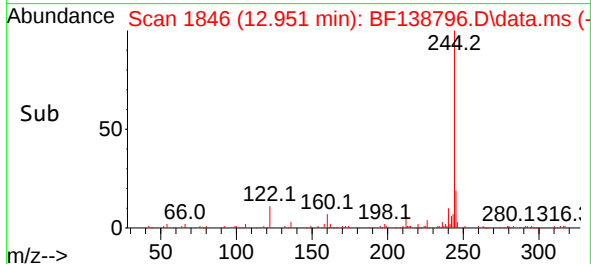
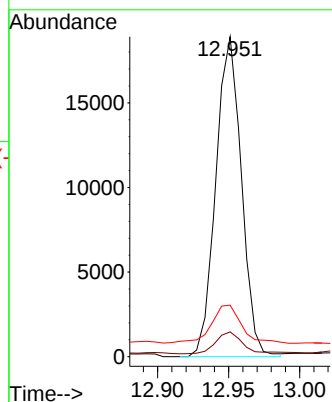
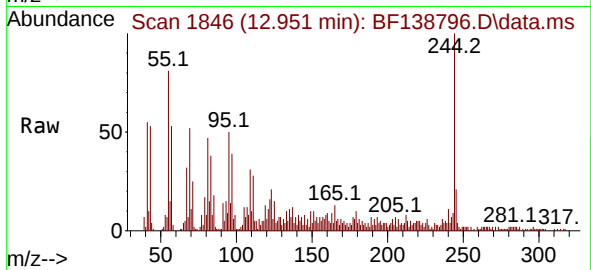
RT3054DL

Tgt Ion:244	Resp:	2369
Ion Ratio	Lower	Upper
244	100	
212	7.8	5.4 8.2
122	16.1	9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#81

Benzo(a)anthracene

Concen: 9.093 ng

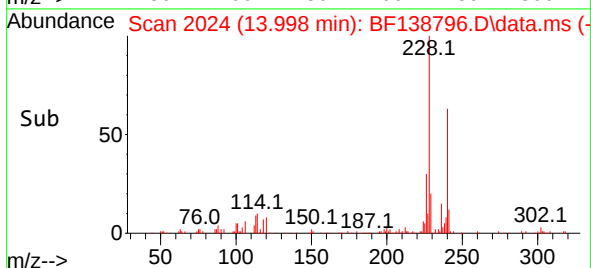
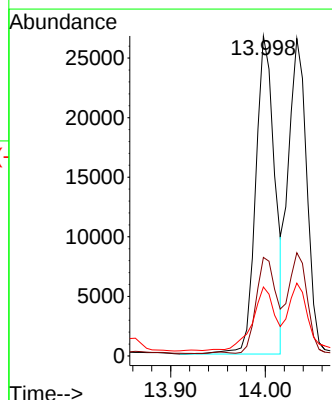
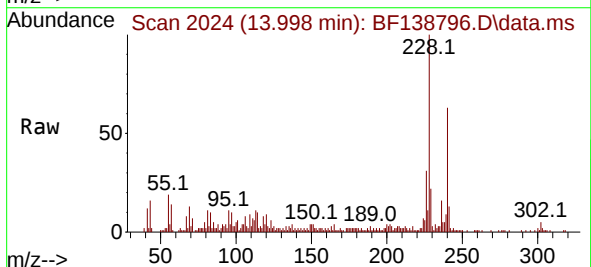
RT: 13.998 min Scan# 2024

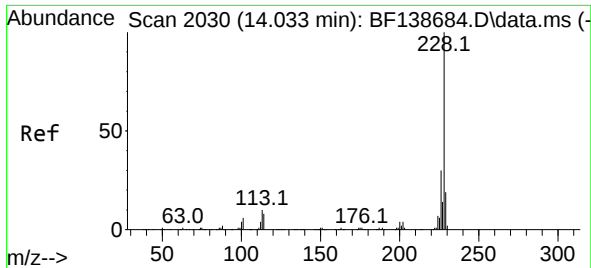
Delta R.T. 0.006 min

Lab File: BF138796.D

Acq: 05 Aug 2024 20:57

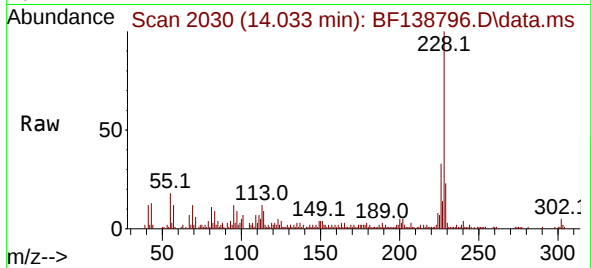
Tgt Ion:228	Resp:	37588
Ion Ratio	Lower	Upper
228	100	
226	30.8	22.1 33.1
229	21.6	15.4 23.0





#83
Chrysene
Concen: 9.600 ng m
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138796.D
Acq: 05 Aug 2024 20:57

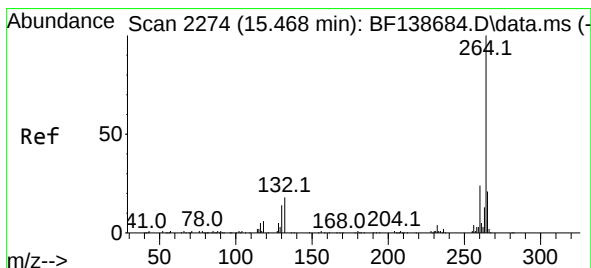
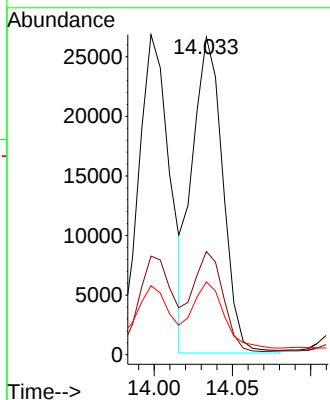
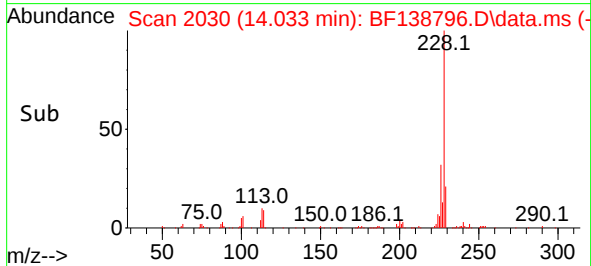
Instrument :
BNA_F
ClientSampleId :
RT3054DL



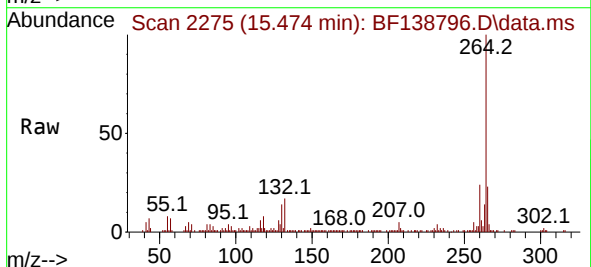
Tgt Ion:228 Resp: 3580
Ion Ratio Lower Upper
228 100
226 32.5 23.7 35.5
229 22.9 15.0 22.6

Manual Integrations
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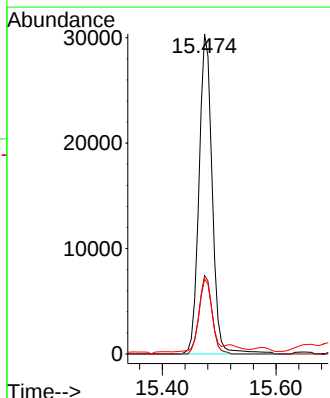
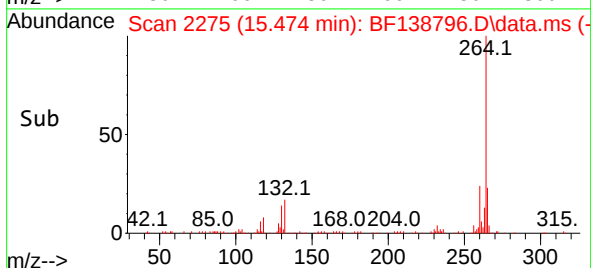
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

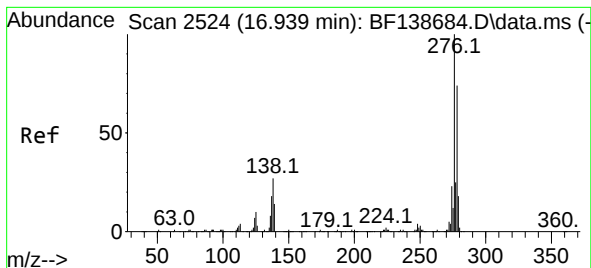


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2275
Delta R.T. 0.006 min
Lab File: BF138796.D
Acq: 05 Aug 2024 20:57



Tgt Ion:264 Resp: 48846
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.6
265 23.4 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.869 ng

RT: 16.945 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138796.D

Acq: 05 Aug 2024 20:57

Instrument :

BNA_F

ClientSampleId :

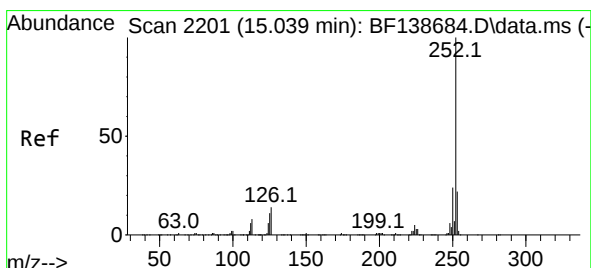
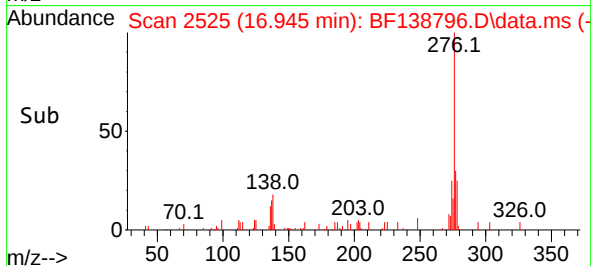
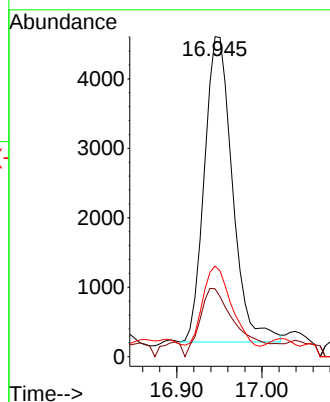
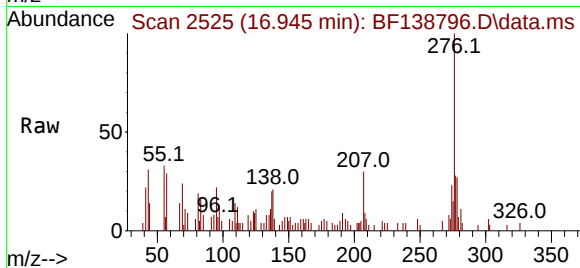
RT3054DL

Tgt Ion:	276	Resp:	1004
Ion Ratio	Lower	Upper	
276	100		
138	30.6	21.8	32.8
277	26.1	20.6	30.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#88

Benzo(b)fluoranthene

Concen: 9.113 ng m

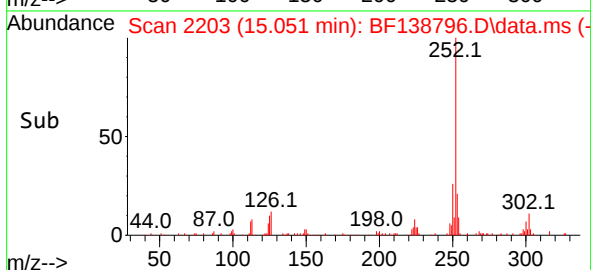
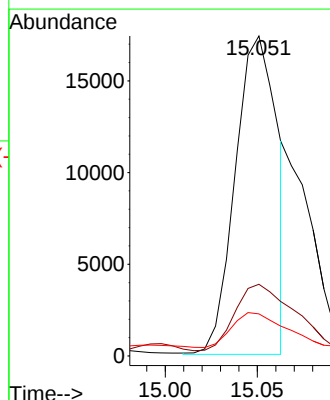
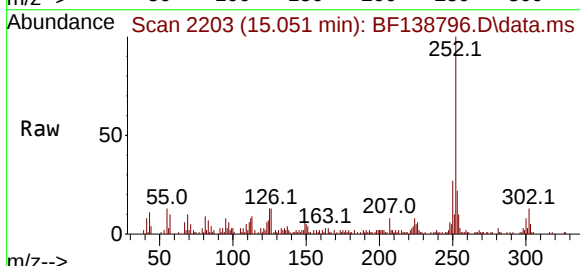
RT: 15.051 min Scan# 2203

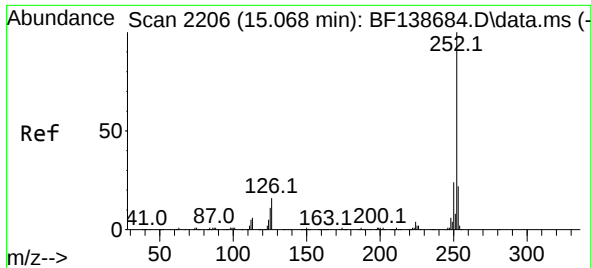
Delta R.T. 0.012 min

Lab File: BF138796.D

Acq: 05 Aug 2024 20:57

Tgt Ion:	252	Resp:	27594
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.5	26.3
125	13.1	8.9	13.3





#89

Benzo(k)fluoranthene

Concen: 4.310 ng m

RT: 15.063 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF138796.D

Acq: 05 Aug 2024 20:57

Instrument :

BNA_F

ClientSampleId :

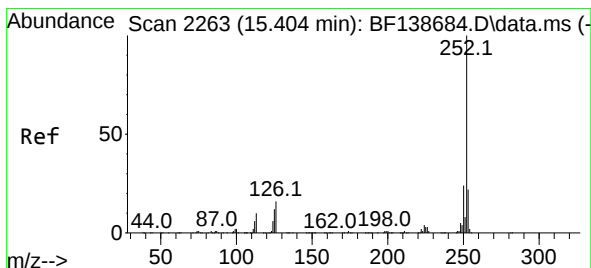
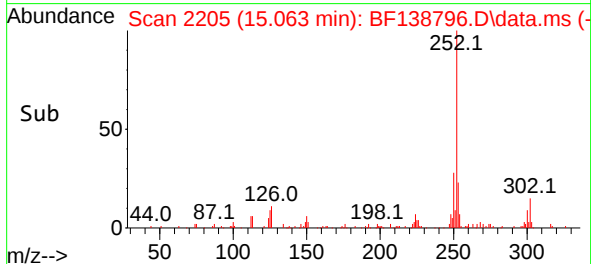
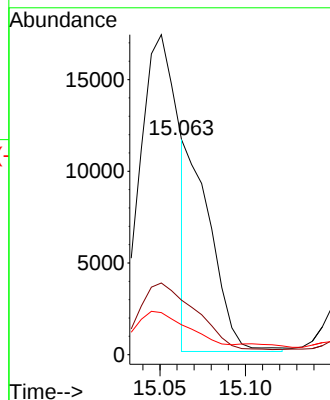
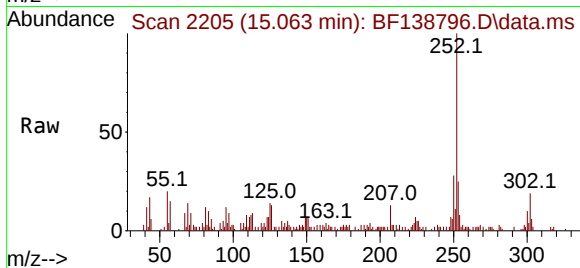
RT3054DL

Tgt Ion:	252	Resp:	11300
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.4	26.0
125	13.9	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#90

Benzo(a)pyrene

Concen: 8.114 ng

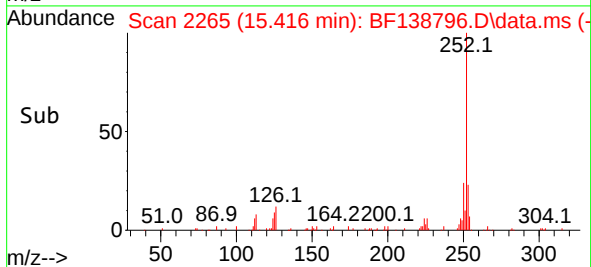
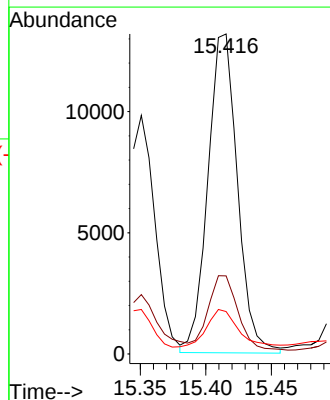
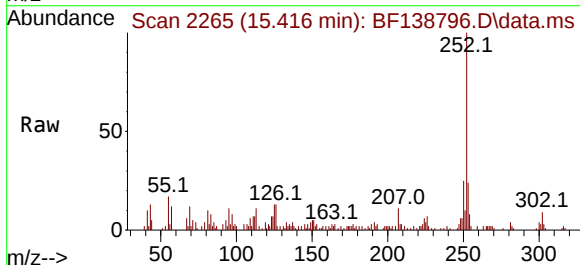
RT: 15.416 min Scan# 2265

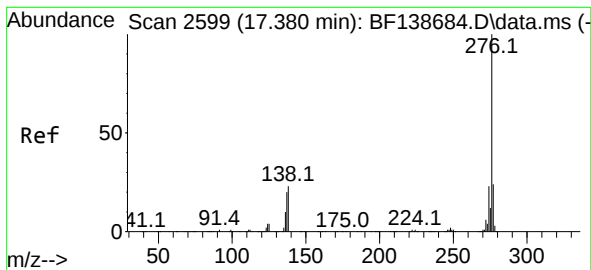
Delta R.T. 0.012 min

Lab File: BF138796.D

Acq: 05 Aug 2024 20:57

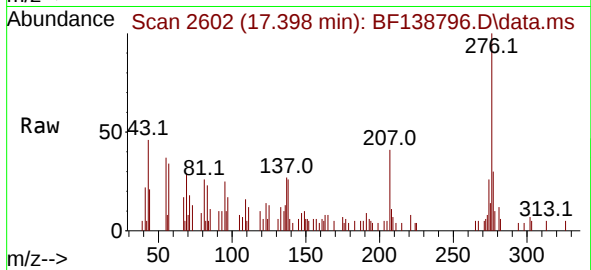
Tgt Ion:	252	Resp:	20667
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.3	25.9
125	13.2	9.5	14.3





#92
 Benzo(g,h,i)perylene
 Concen: 3.678 ng
 RT: 17.398 min Scan# 20
 Delta R.T. 0.018 min
 Lab File: BF138796.D
 Acq: 05 Aug 2024 20:57

Instrument :
 BNA_F
 ClientSampleId :
 RT3054DL



Tgt Ion:	276	Resp:	1096
Ion Ratio	Lower	Upper	
276	100		
277	30.2	19.0	28.4
138	26.2	18.5	27.7

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024

