

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138794.D
 Acq On : 05 Aug 2024 19:51
 Operator : RC/JU
 Sample : P3448-03 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 00:56:15 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	6.846	152	43952	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	156511	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	66287	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	107831	20.000	ng	0.00
76) Chrysene-d12	14.010	240	69685	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	56994	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	44374	15.585	ng	0.00
7) Phenol-d6	6.487	99	58306	15.252	ng	0.00
23) Nitrobenzene-d5	7.404	82	34149	10.668	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	8125	14.964	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	55567	12.595	ng	0.00
79) Terphenyl-d14	12.945	244	52902	12.710	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.580	202	27966	5.395	ng	97
78) Pyrene	12.810	202	26588	4.052	ng	97
81) Benzo(a)anthracene	13.998	228	13463	2.806	ng	# 91
83) Chrysene	14.033	228	10542	2.435	ng	# 93
88) Benzo(b)fluoranthene	15.051	252	11291m	3.196	ng	
90) Benzo(a)pyrene	15.416	252	8689	2.924	ng	# 91

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

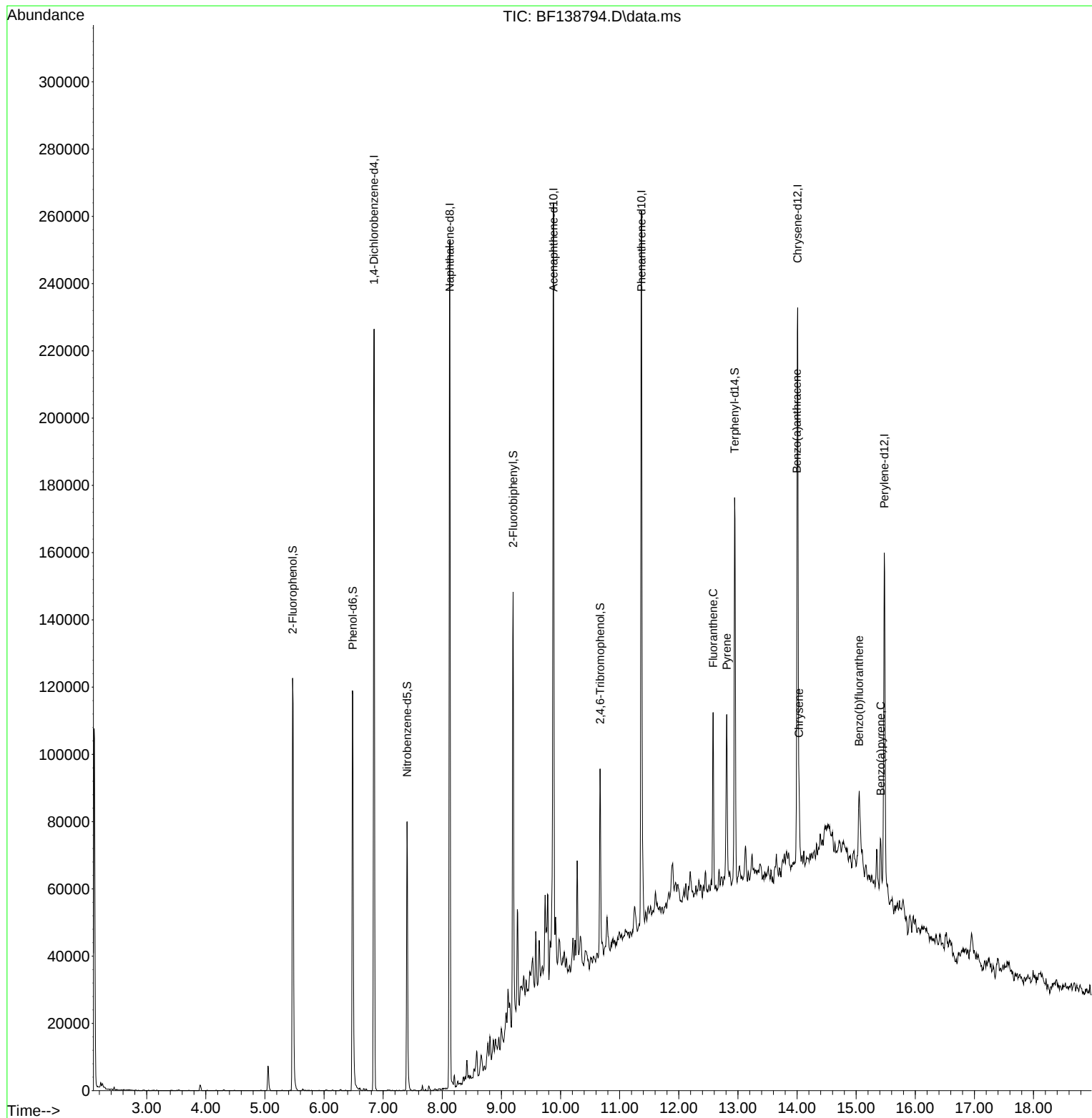
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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APPROVED

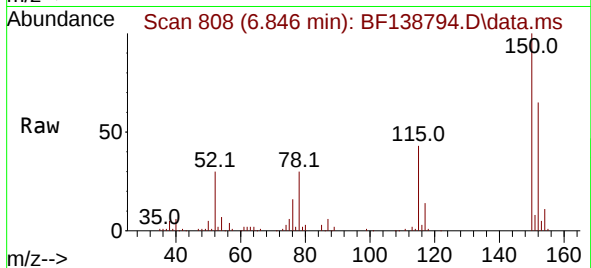
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 808
Delta R.T. 0.001 min
Lab File: BF138794.D
Acq: 05 Aug 2024 19:51

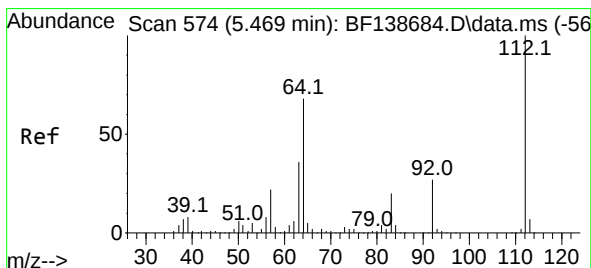
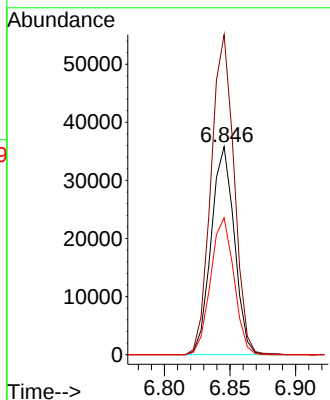
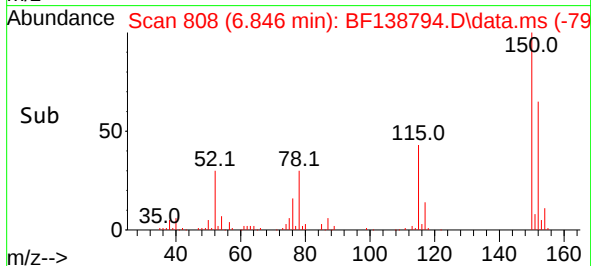
Instrument :
BNA_F
ClientSampleId :
TP2



Tgt Ion:152 Resp: 43952
Ion Ratio Lower Upper
152 100
150 153.8 126.0 189.0
115 65.8 51.7 77.5

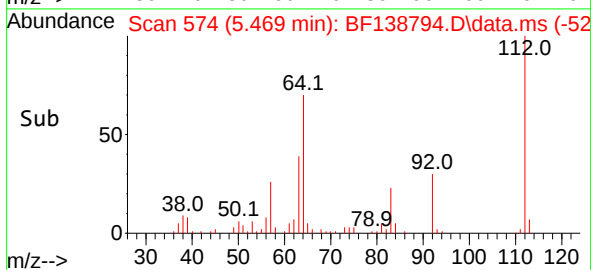
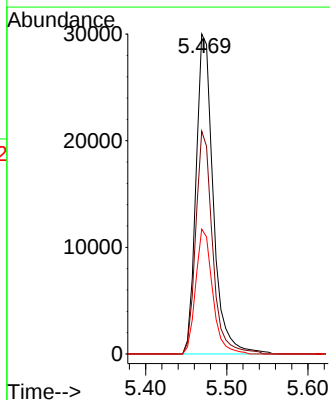
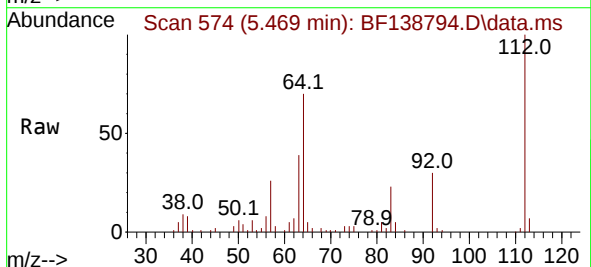
Manual Integrations
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#5
2-Fluorophenol
Concen: 15.585 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138794.D
Acq: 05 Aug 2024 19:51

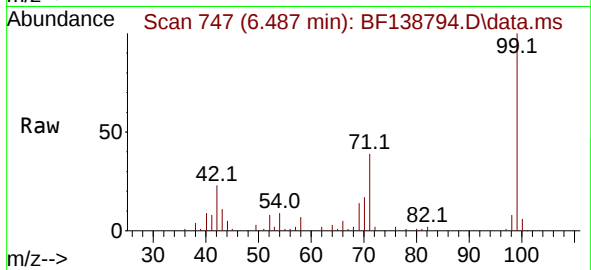
Tgt Ion:112 Resp: 44374
Ion Ratio Lower Upper
112 100
64 69.7 54.2 81.4
63 39.0 28.7 43.1





#7
Phenol-d6
Concen: 15.252 ng
RT: 6.487 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF138794.D
Acq: 05 Aug 2024 19:51

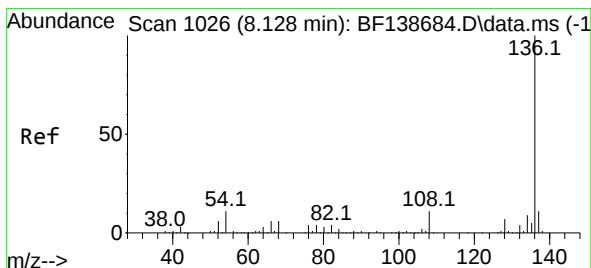
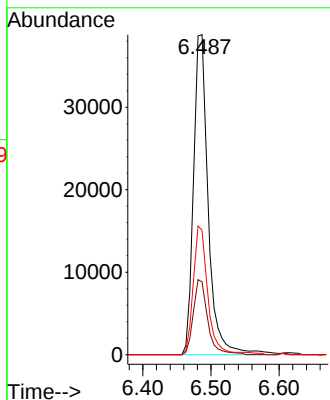
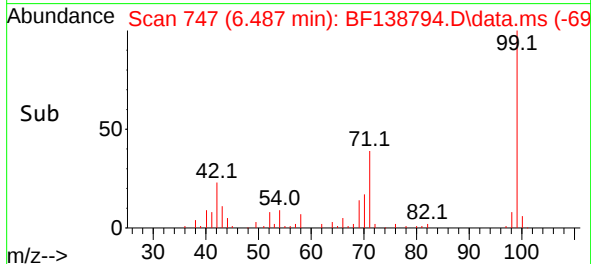
Instrument :
BNA_F
ClientSampleId :
TP2



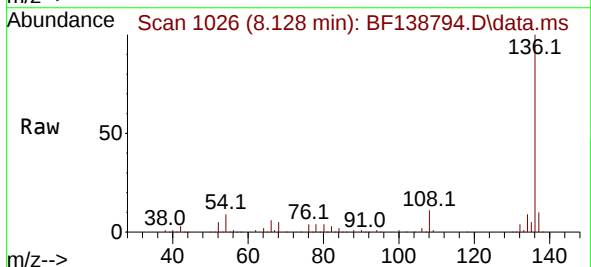
Tgt Ion: 99 Resp: 58300
Ion Ratio Lower Upper
99 100
42 22.8 17.4 26.0
71 38.9 28.1 42.1

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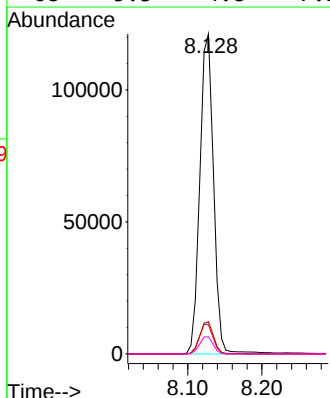
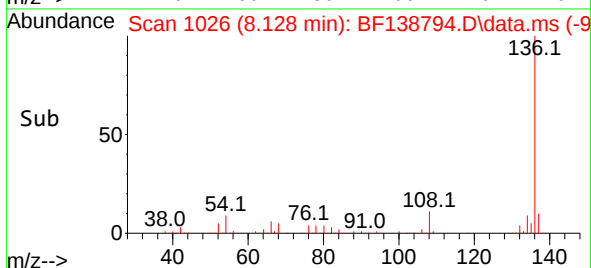
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138794.D
Acq: 05 Aug 2024 19:51



Tgt Ion:136 Resp: 156511
Ion Ratio Lower Upper
136 100
137 10.0 8.9 13.3
54 9.1 8.6 12.8
68 5.3 4.8 7.2





#23

Nitrobenzene-d5

Concen: 10.668 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138794.D

Acq: 05 Aug 2024 19:51

Instrument :

BNA_F

ClientSampleId :

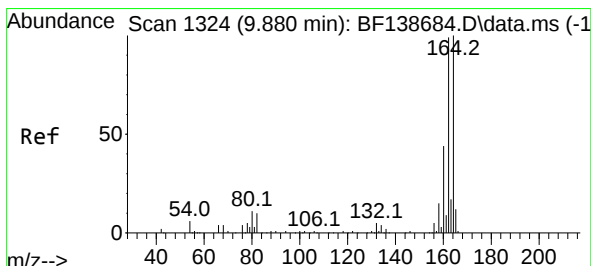
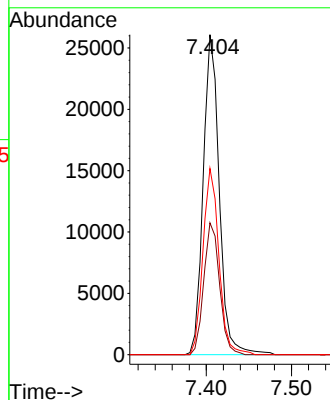
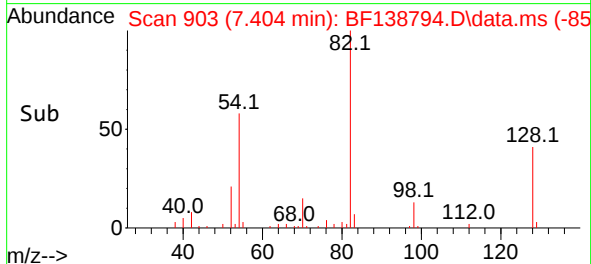
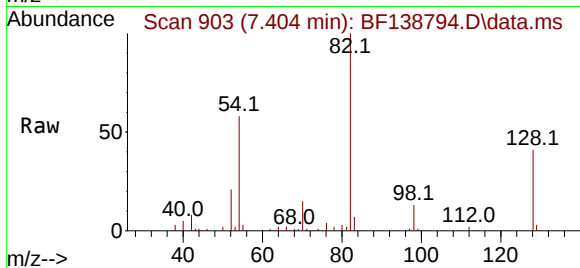
TP2

Tgt Ion:	82	Resp:	34149
Ion Ratio	Lower	Upper	
82	100		
128	41.2	32.8	49.2
54	58.2	48.3	72.5

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

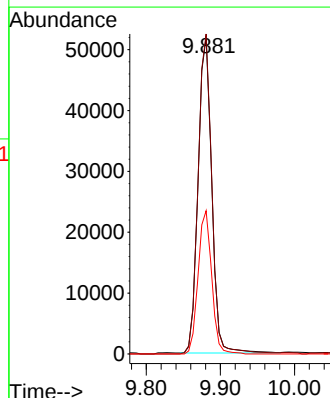
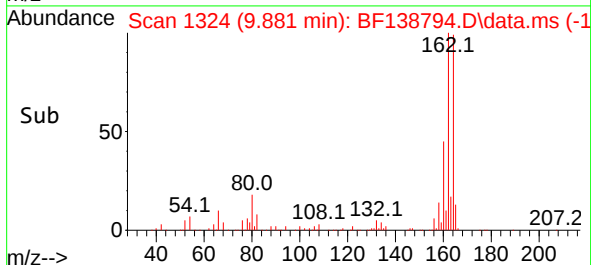
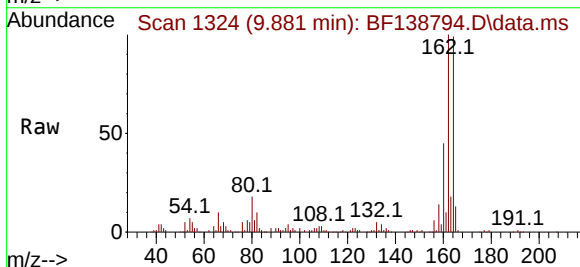
RT: 9.881 min Scan# 1324

Delta R.T. 0.001 min

Lab File: BF138794.D

Acq: 05 Aug 2024 19:51

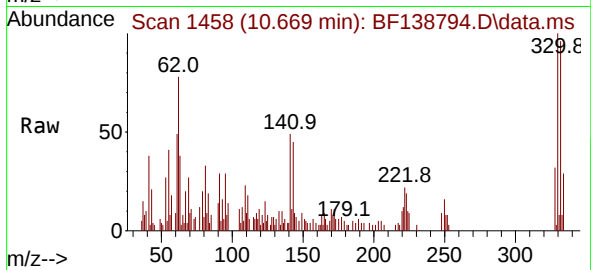
Tgt Ion:	164	Resp:	66287
Ion Ratio	Lower	Upper	
164	100		
162	101.2	79.4	119.0
160	45.3	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 14.964 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138794.D
Acq: 05 Aug 2024 19:51

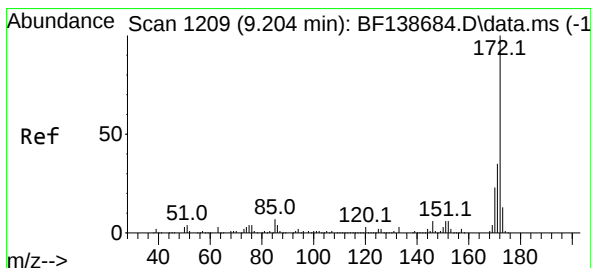
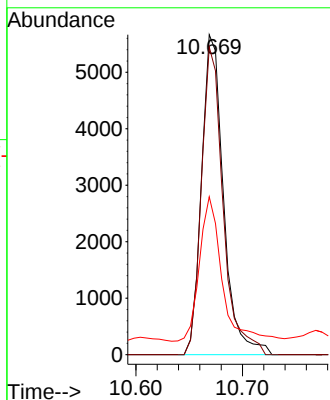
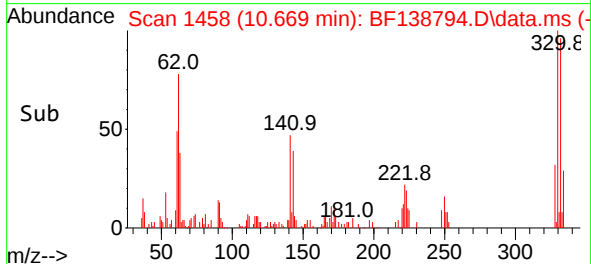
Instrument :
BNA_F
ClientSampleId :
TP2



Tgt Ion: 330 Resp: 812
Ion Ratio Lower Upper
330 100
332 95.1 76.4 114.6
141 46.4 31.1 46.7

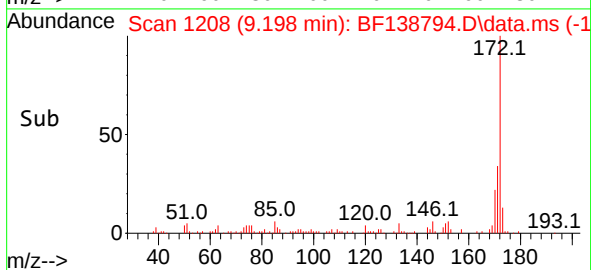
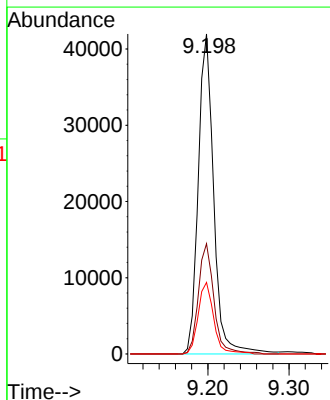
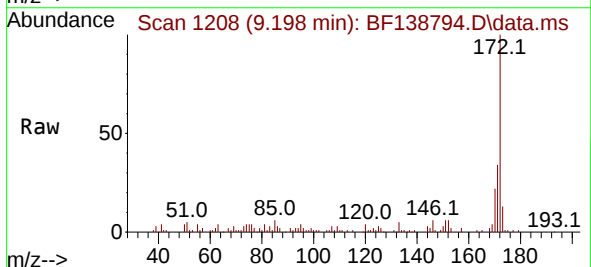
Manual Integrations
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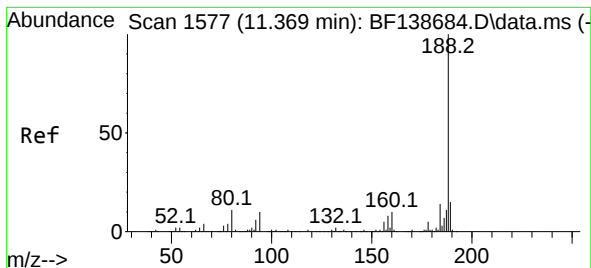
Reviewed By : Jagrut Upadhyay 08/06/2024
Supervised By : mohammad ahmed 08/07/2024



#45
2-Fluorobiphenyl
Concen: 12.595 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138794.D
Acq: 05 Aug 2024 19:51

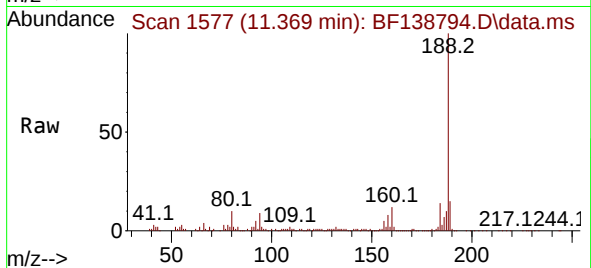
Tgt Ion: 172 Resp: 55567
Ion Ratio Lower Upper
172 100
171 34.5 28.3 42.5
170 22.4 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138794.D
Acq: 05 Aug 2024 19:51

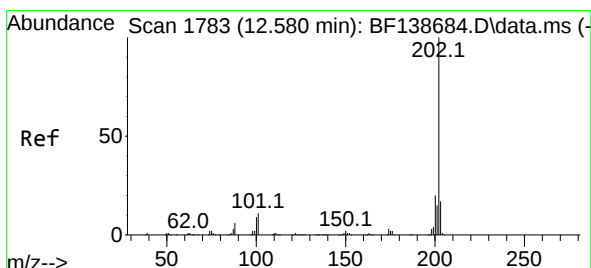
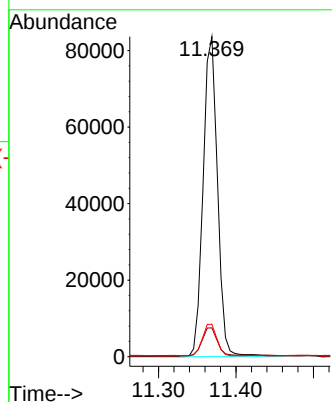
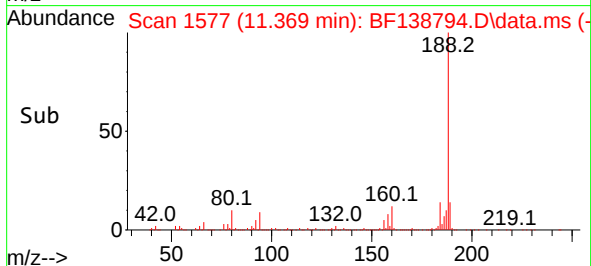
Instrument :
BNA_F
ClientSampleId :
TP2



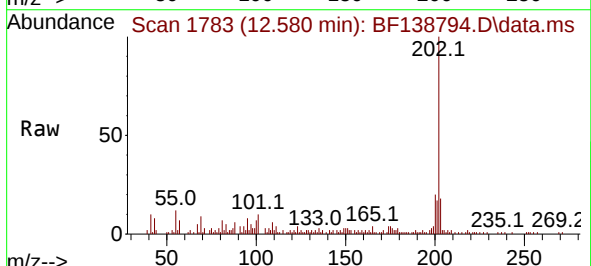
Tgt Ion:188 Resp: 10783
Ion Ratio Lower Upper
188 100
94 9.0 7.6 11.4
80 10.1 8.6 12.8

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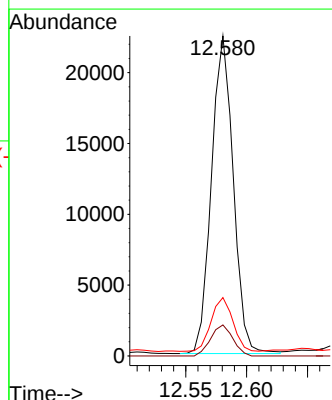
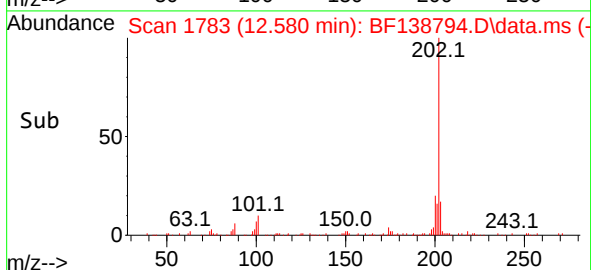
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

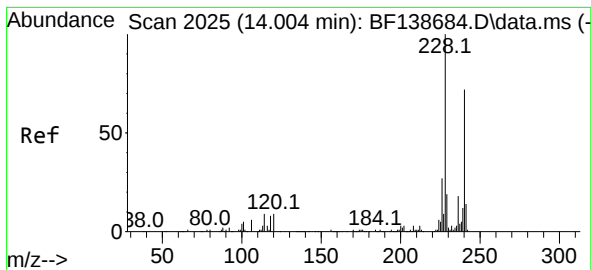


#75
Fluoranthene
Concen: 5.395 ng
RT: 12.580 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF138794.D
Acq: 05 Aug 2024 19:51



Tgt Ion:202 Resp: 27966
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.2
203 18.3 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: BF138794.D

Acq: 05 Aug 2024 19:51

Instrument :

BNA_F

ClientSampleId :

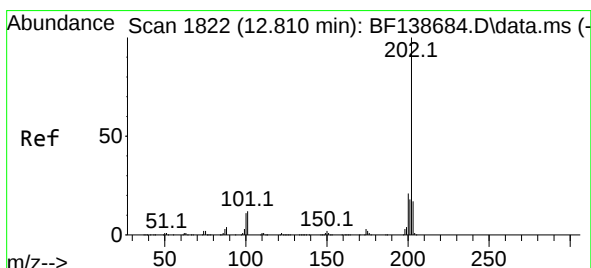
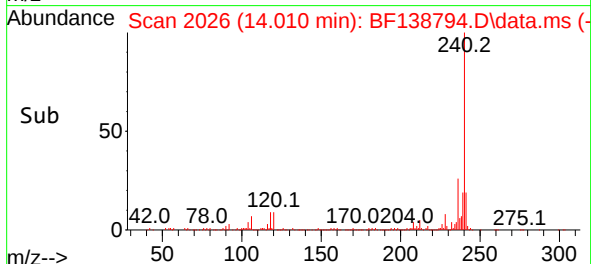
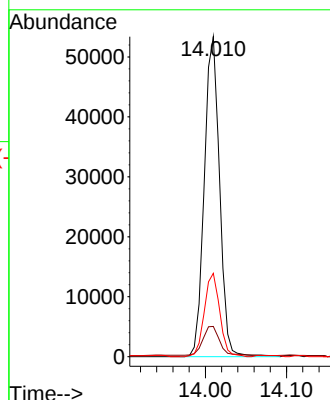
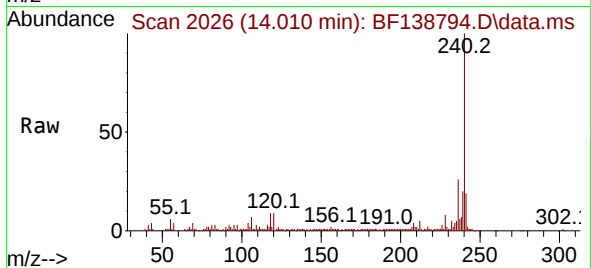
TP2

Tgt Ion:	240	Resp:	6968
Ion Ratio	Lower	Upper	
240	100		
120	9.5	10.2	15.4
236	26.0	19.8	29.8

Manual Integrations

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#78

Pyrene

Concen: 4.052 ng

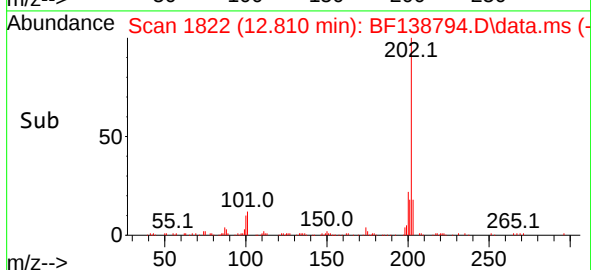
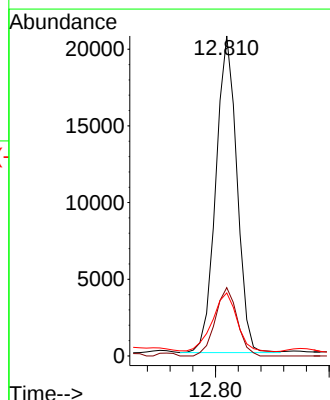
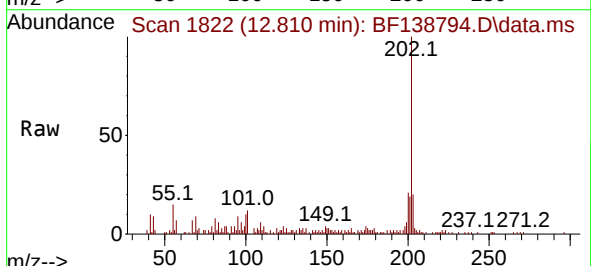
RT: 12.810 min Scan# 1822

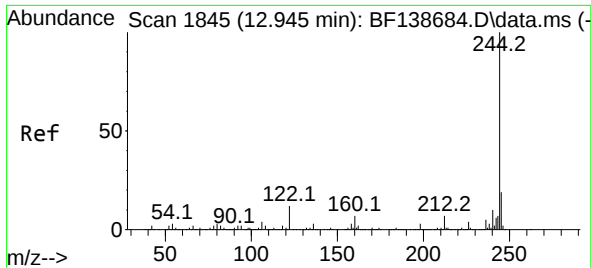
Delta R.T. 0.000 min

Lab File: BF138794.D

Acq: 05 Aug 2024 19:51

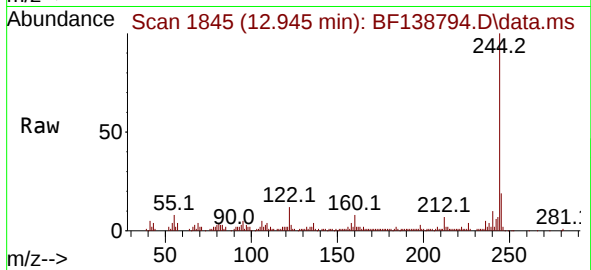
Tgt Ion:	202	Resp:	26588
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.8	25.2
203	19.7	13.8	20.6





#79
Terphenyl-d14
Concen: 12.710 ng
RT: 12.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138794.D
Acq: 05 Aug 2024 19:51

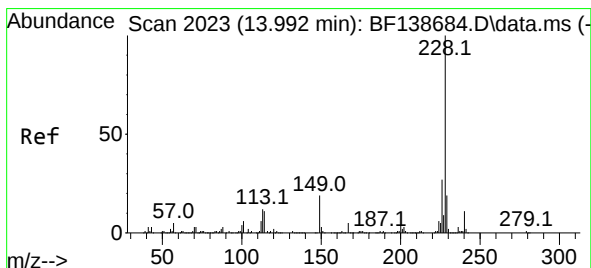
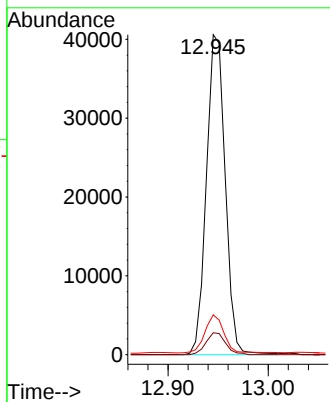
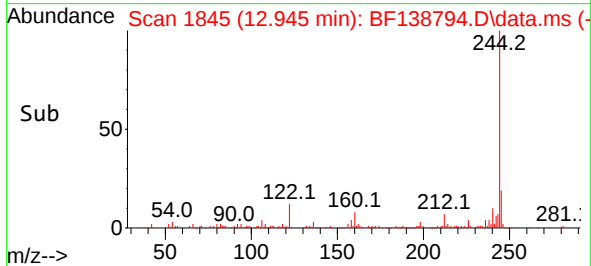
Instrument :
BNA_F
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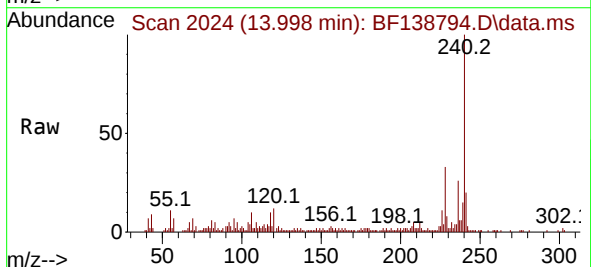
Tgt Ion:244 Resp: 5290
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.2
122 12.4 9.6 14.4

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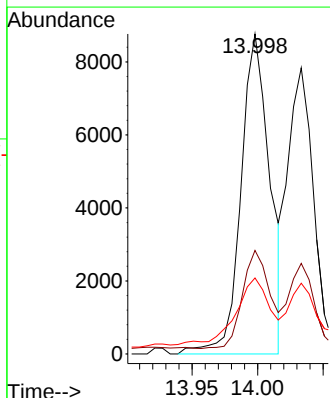
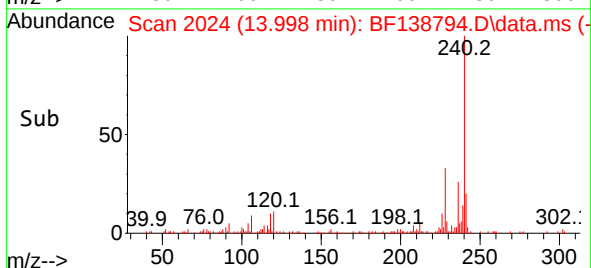
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

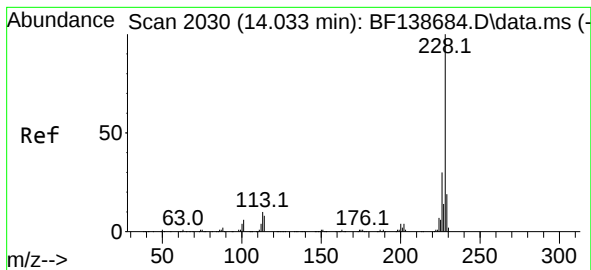


#81
Benzo(a)anthracene
Concen: 2.806 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF138794.D
Acq: 05 Aug 2024 19:51



Tgt Ion:228 Resp: 13463
Ion Ratio Lower Upper
228 100
226 32.4 22.1 33.1
229 23.7 15.4 23.0#





#83

Chrysene

Concen: 2.435 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF138794.D

Acq: 05 Aug 2024 19:51

Instrument :

BNA_F

ClientSampleId :

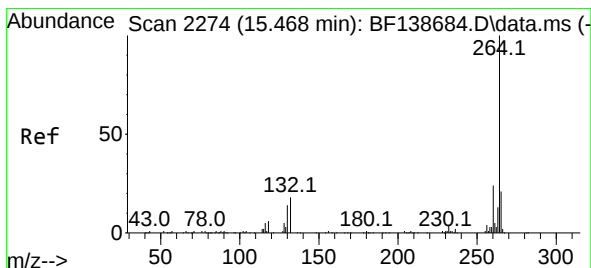
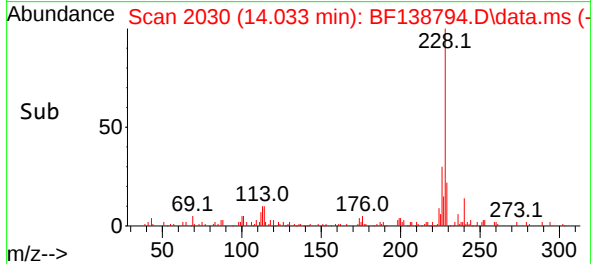
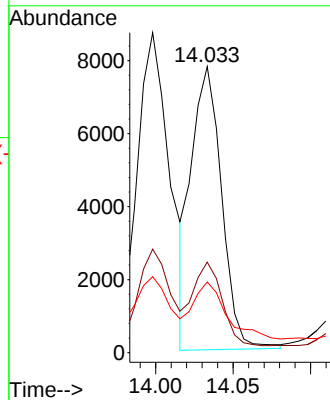
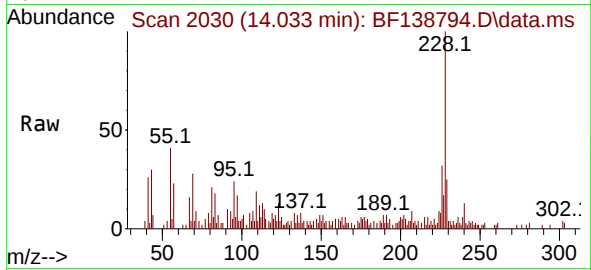
TP2

Tgt Ion:228	Resp: 1054
Ion Ratio	Lower Upper
228 100	
226 31.7	23.7 35.5
229 24.7	15.0 22.6

Manual Integrations

APPROVED

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



#86

Perylene-d12

Concen: 20.000 ng

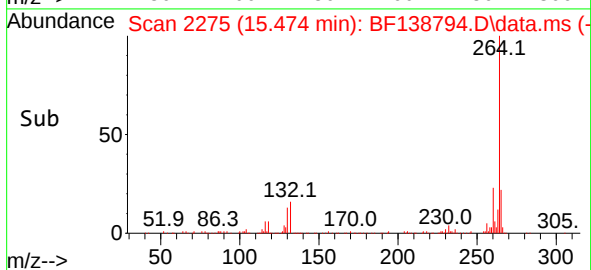
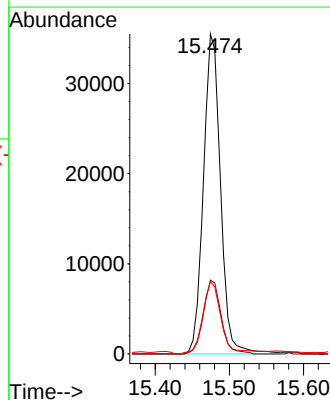
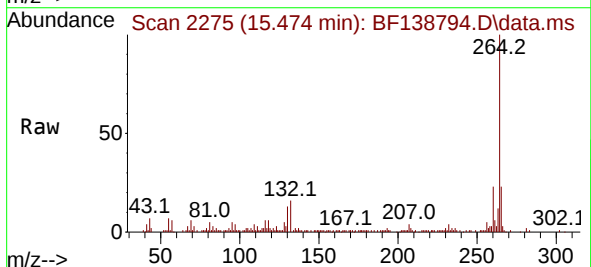
RT: 15.474 min Scan# 2275

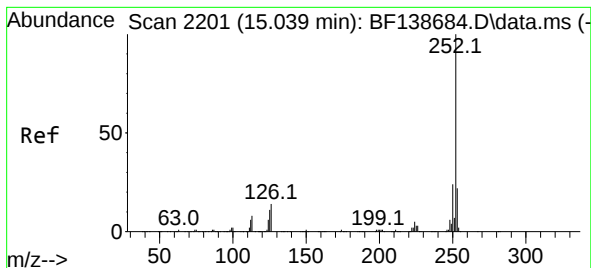
Delta R.T. 0.006 min

Lab File: BF138794.D

Acq: 05 Aug 2024 19:51

Tgt Ion:264	Resp: 56994
Ion Ratio	Lower Upper
264 100	
260 23.1	19.0 28.6
265 22.6	17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 3.196 ng m

RT: 15.051 min Scan# 2201

Delta R.T. 0.012 min

Lab File: BF138794.D

Acq: 05 Aug 2024 19:51

Instrument :

BNA_F

ClientSampleId :

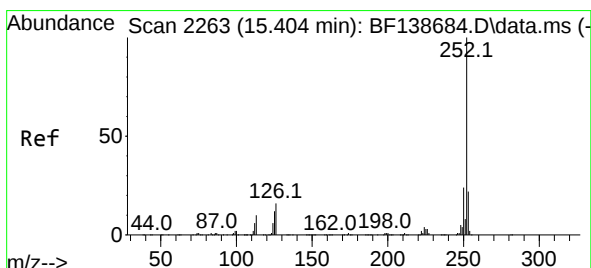
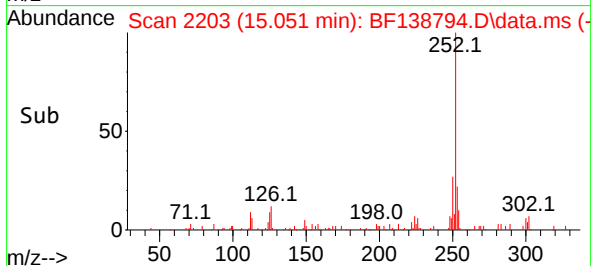
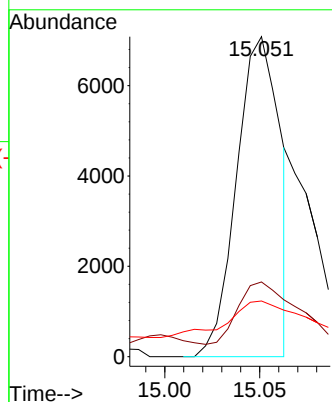
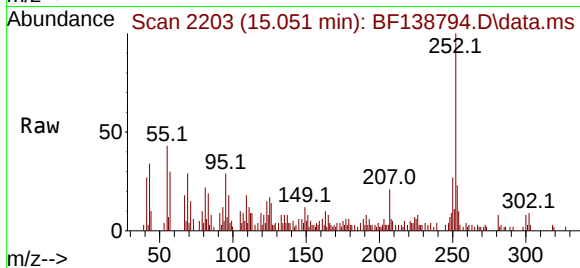
TP2

Tgt Ion:	252	Resp:	1129
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	17.4	8.9	13.3

Manual Integrations

APPROVED

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



#90

Benzo(a)pyrene

Concen: 2.924 ng

RT: 15.416 min Scan# 2265

Delta R.T. 0.012 min

Lab File: BF138794.D

Acq: 05 Aug 2024 19:51

Tgt Ion:	252	Resp:	8689
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.3	25.9
125	19.1	9.5	14.3

