

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073124\
 Data File : BF138704.D
 Acq On : 31 Jul 2024 16:00
 Operator : RC/JU
 Sample : P3372-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-07252024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/01/2024
 Supervised By :mohammad ahmed 08/03/2024

Quant Time: Jul 31 16:35:39 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	6.845	152	44972	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	166819	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	85770	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	164867	20.000	ng	0.00
76) Chrysene-d12	14.004	240	121496	20.000	ng	0.00
86) Perylene-d12	15.468	264	89043	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	110382	37.888	ng	0.00
7) Phenol-d6	6.475	99	138941	35.521	ng	-0.01
23) Nitrobenzene-d5	7.404	82	85926	25.183	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	29835	42.465	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	152398	26.697	ng	0.00
79) Terphenyl-d14	12.945	244	214851	29.607	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	88842	10.465	ng	99
72) Anthracene	11.439	178	24240	2.898	ng	99
75) Fluoranthene	12.580	202	178426	22.513	ng	99
78) Pyrene	12.804	202	169958	14.857	ng	98
81) Benzo(a)anthracene	13.992	228	69321	8.286	ng	97
83) Chrysene	14.027	228	58911	7.805	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.933	276	23078	3.617	ng	# 94
88) Benzo(b)fluoranthene	15.045	252	57181m	10.359	ng	
89) Benzo(k)fluoranthene	15.057	252	24831m	5.196	ng	
90) Benzo(a)pyrene	15.410	252	41393	8.915	ng	93
92) Benzo(g,h,i)perylene	17.380	276	22518	4.143	ng	# 91

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

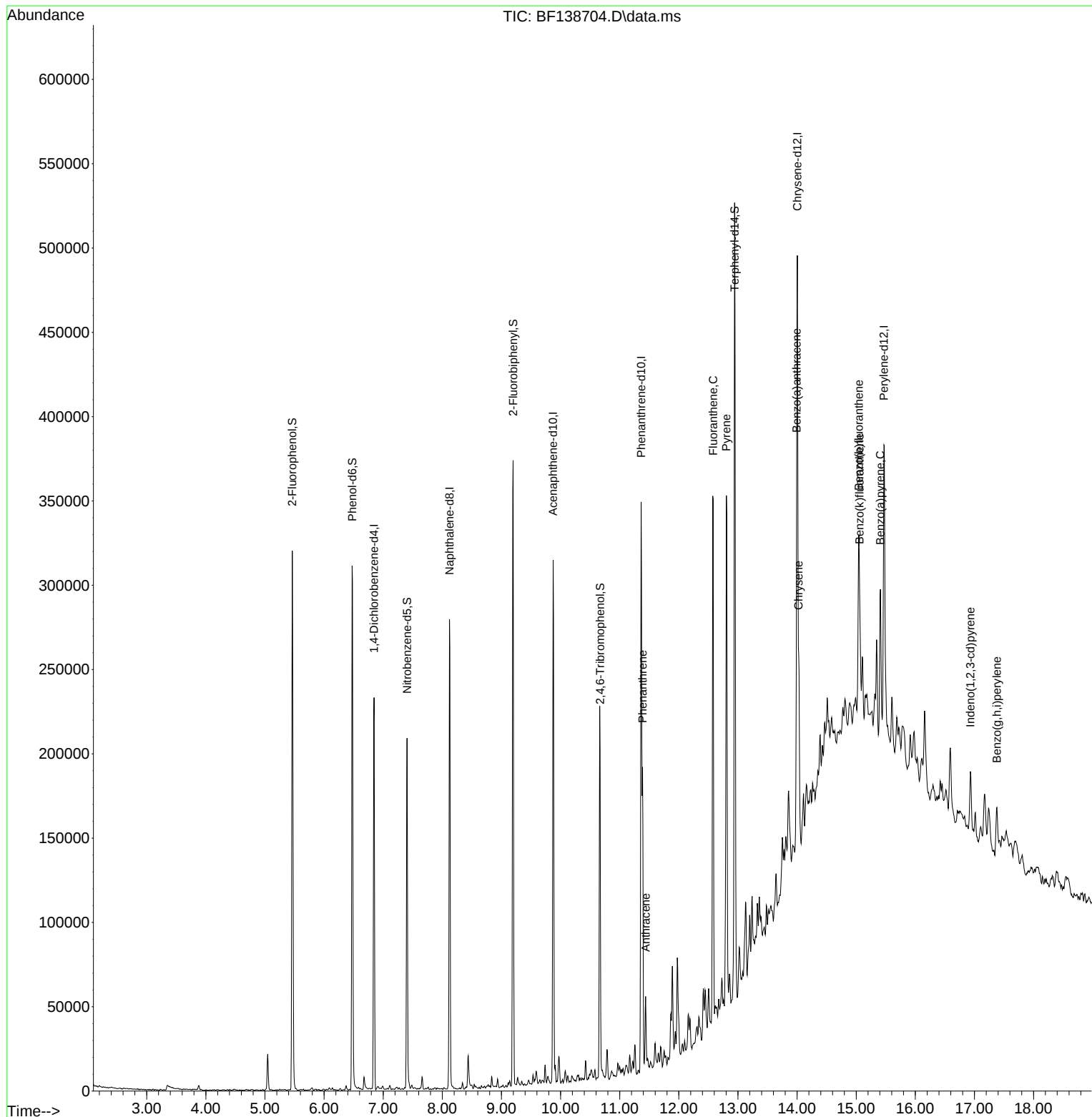
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073124\
Data File : BF138704.D
Acq On : 31 Jul 2024 16:00
Operator : RC/JU
Sample : P3372-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-07252024

Quant Time: Jul 31 16:35:39 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 08/01/2024
Supervised By :mohammad ahmed 08/03/2024





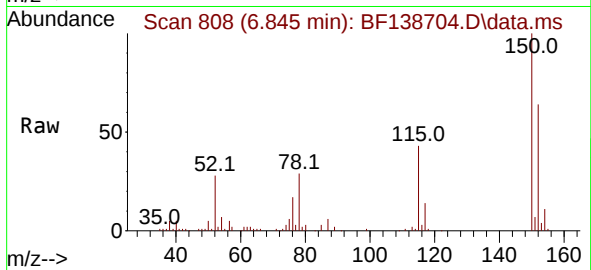
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

Instrument :

BNA_F

ClientSampleId :

OR-03-07252024

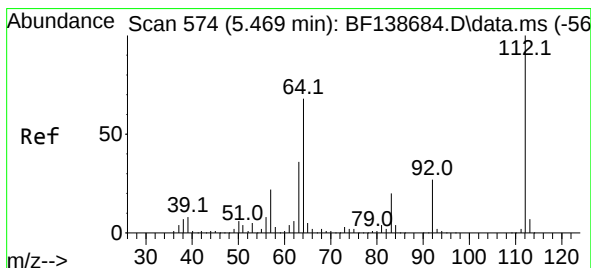
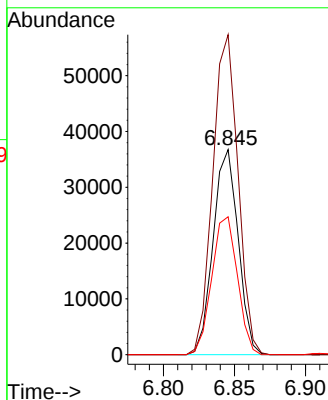
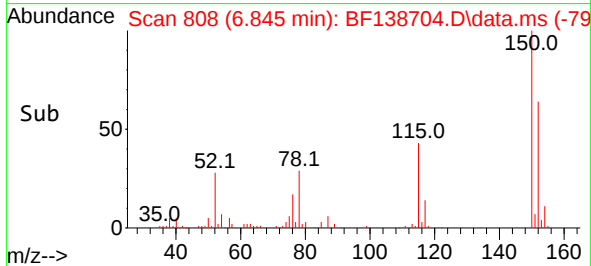


Tgt Ion:152 Resp: 44972
Ion Ratio Lower Upper
152 100
150 156.0 126.0 189.0
115 67.2 51.7 77.5

Manual Integrations

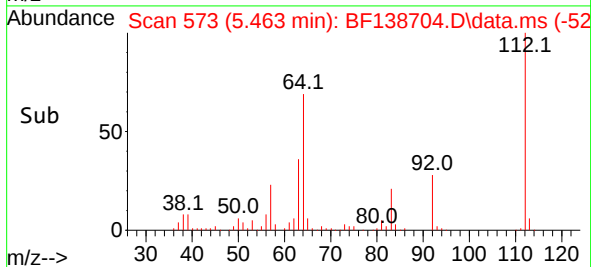
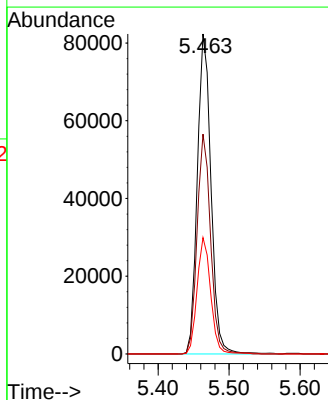
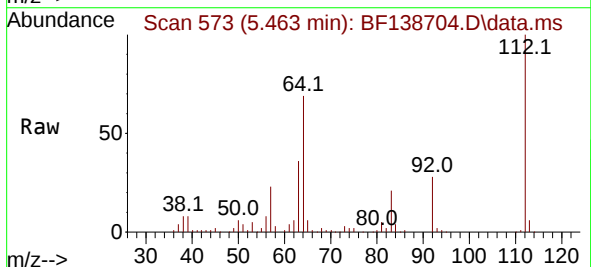
APPROVED

Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024



#5
2-Fluorophenol
Concen: 37.888 ng
RT: 5.463 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

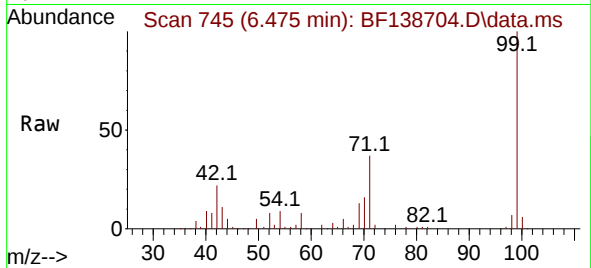
Tgt Ion:112 Resp: 110382
Ion Ratio Lower Upper
112 100
64 68.7 54.2 81.4
63 36.3 28.7 43.1





#7
Phenol-d6
Concen: 35.521 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

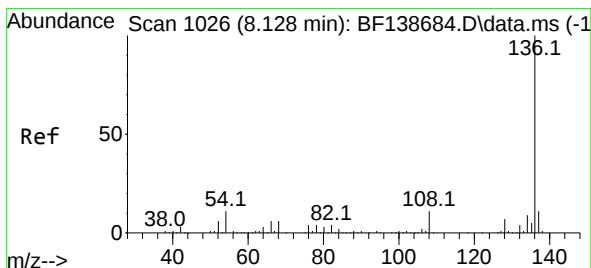
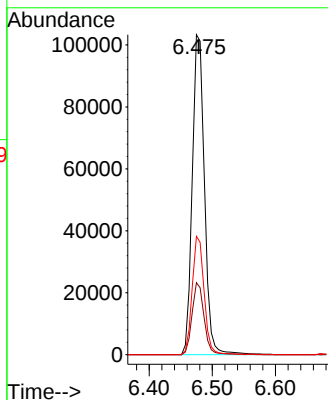
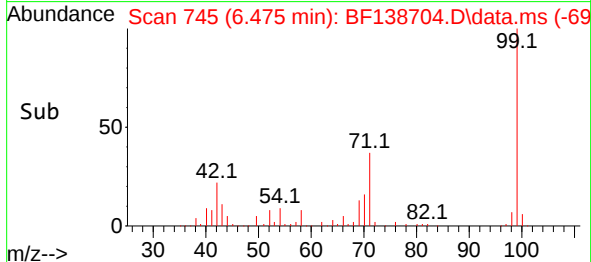
Instrument :
BNA_F
ClientSampleId :
OR-03-07252024



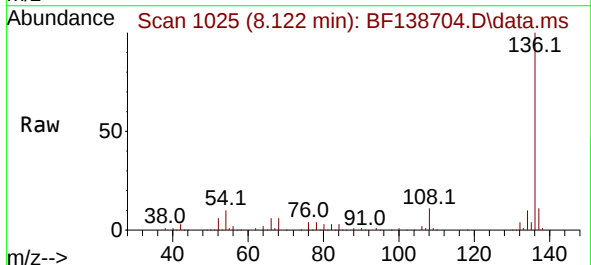
Tgt Ion: 99 Resp: 13894
Ion Ratio Lower Upper
99 100
42 22.5 17.4 26.0
71 37.0 28.1 42.1

Manual Integrations
APPROVED

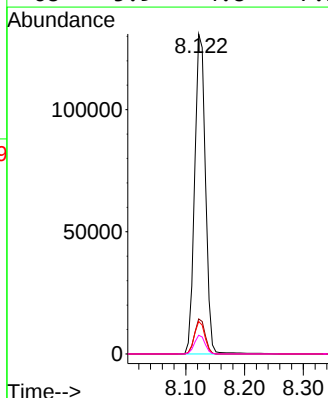
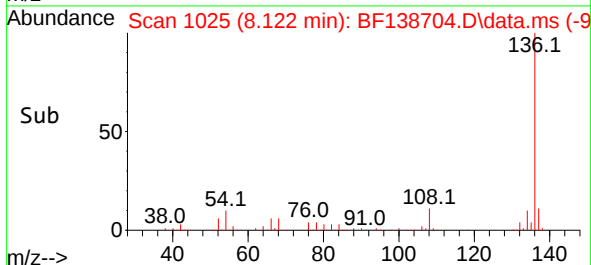
Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024

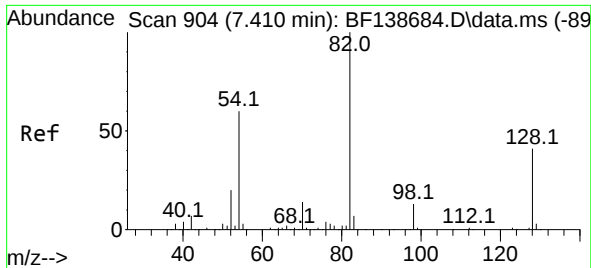


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00



Tgt Ion:136 Resp: 166819
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 10.2 8.6 12.8
68 5.9 4.8 7.2





#23

Nitrobenzene-d5

Concen: 25.183 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138704.D

Acq: 31 Jul 2024 16:00

Instrument :

BNA_F

ClientSampleId :

OR-03-07252024

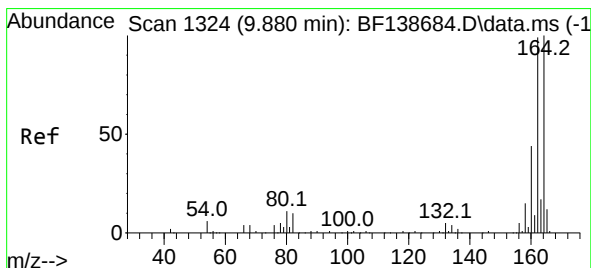
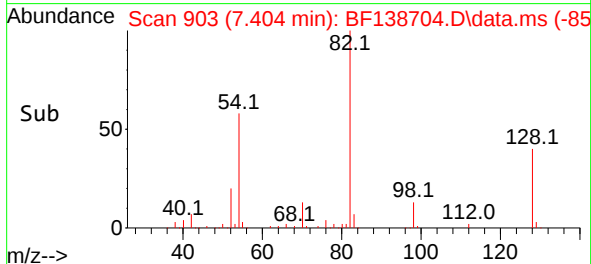
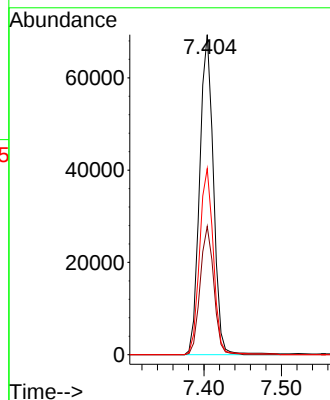
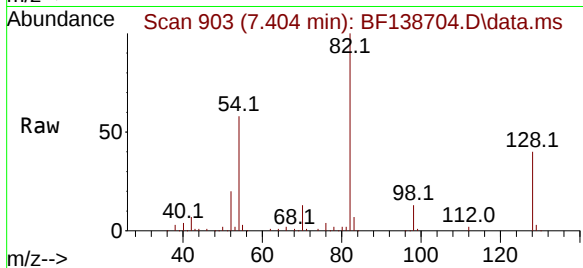
Tgt Ion: 82 Resp: 85920

Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.8	49.2
54	58.1	48.3	72.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1323

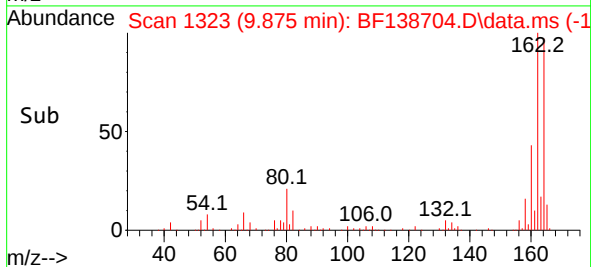
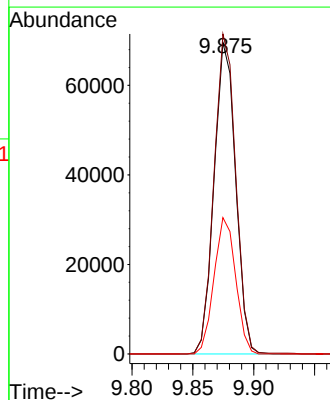
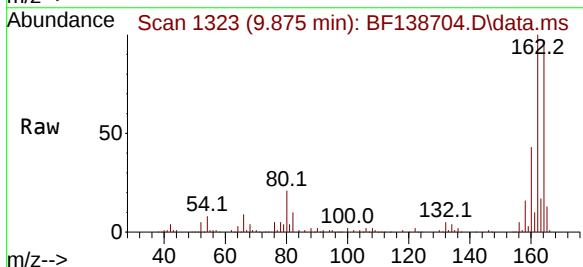
Delta R.T. -0.005 min

Lab File: BF138704.D

Acq: 31 Jul 2024 16:00

Tgt Ion:164 Resp: 85770

Ion	Ratio	Lower	Upper
164	100		
162	102.7	79.4	119.0
160	43.7	35.1	52.7





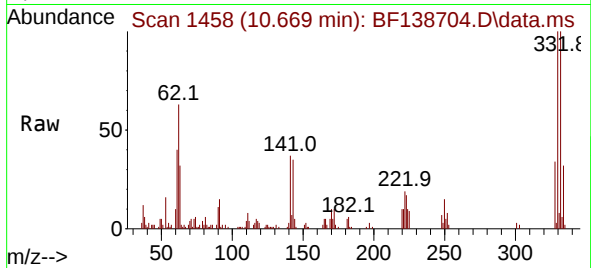
#42
2,4,6-Tribromophenol
Concen: 42.465 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

Instrument :

BNA_F

ClientSampleId :

OR-03-07252024

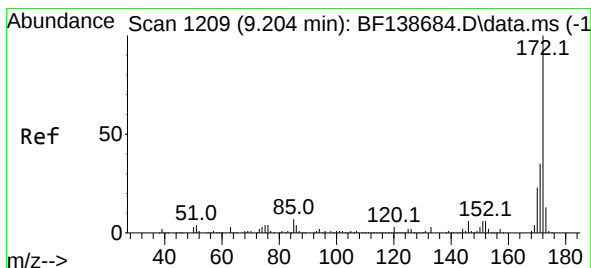
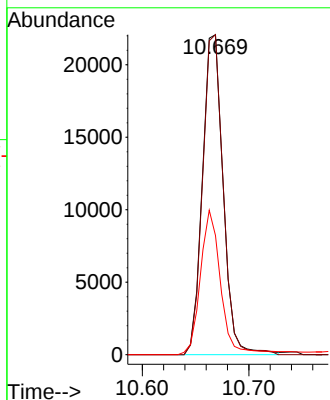
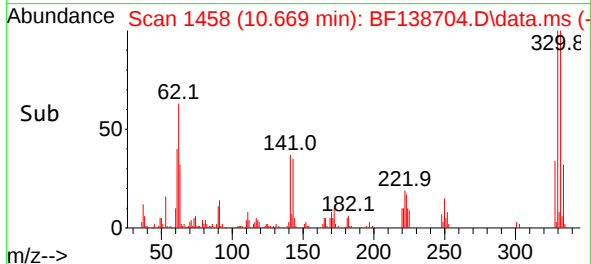


Tgt Ion:330 Resp: 2983
Ion Ratio Lower Upper
330 100
332 99.1 76.4 114.6
141 45.5 31.1 46.7

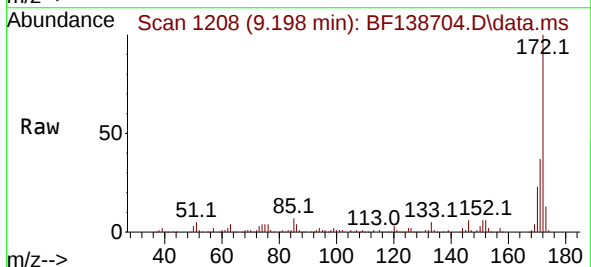
Manual Integrations

APPROVED

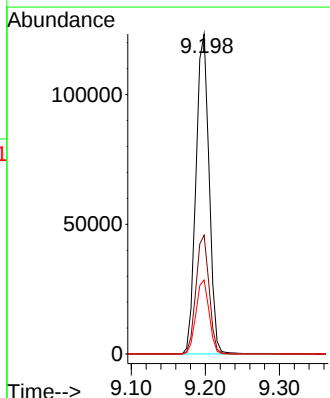
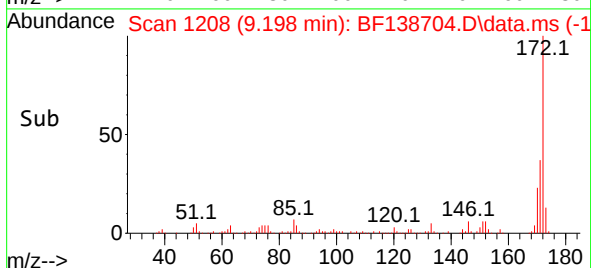
Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024

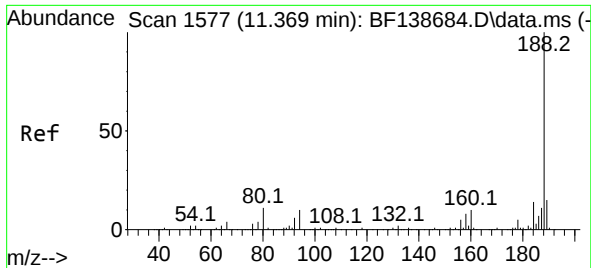


#45
2-Fluorobiphenyl
Concen: 26.697 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00



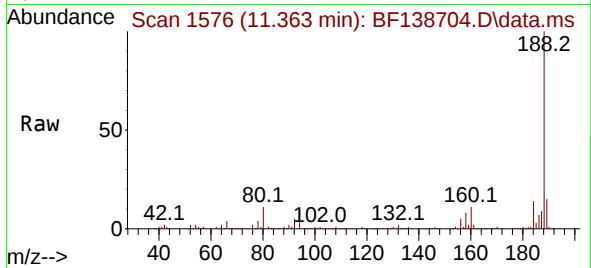
Tgt Ion:172 Resp: 152398
Ion Ratio Lower Upper
172 100
171 37.1 28.3 42.5
170 23.1 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

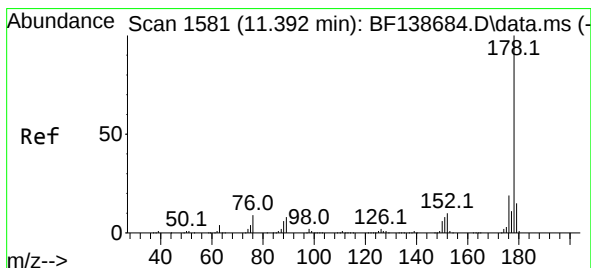
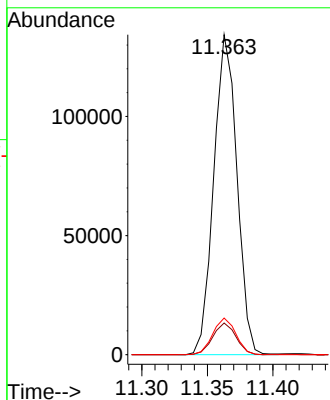
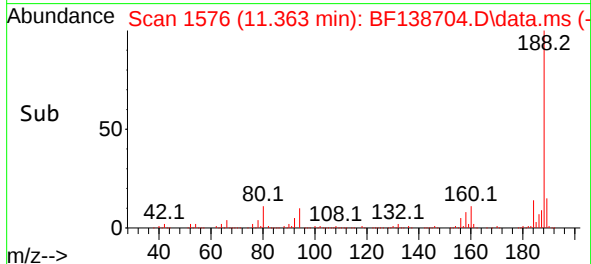
Instrument :
BNA_F
ClientSampleId :
OR-03-07252024



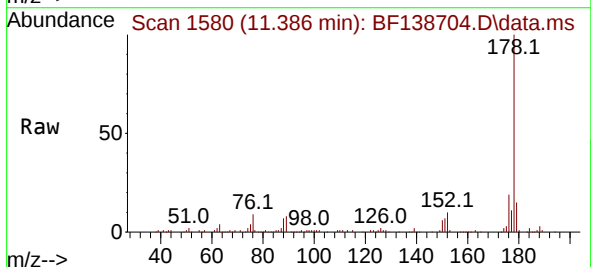
Tgt Ion:188 Resp: 16486
Ion Ratio Lower Upper
188 100
94 9.9 7.6 11.4
80 11.5 8.6 12.8

Manual Integrations
APPROVED

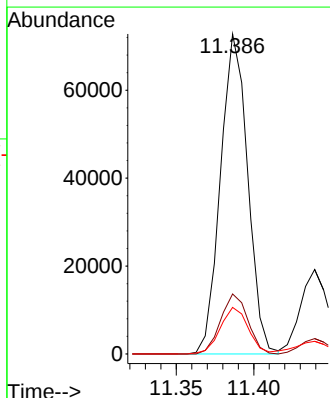
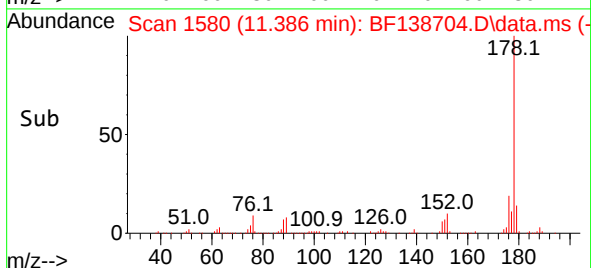
Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024

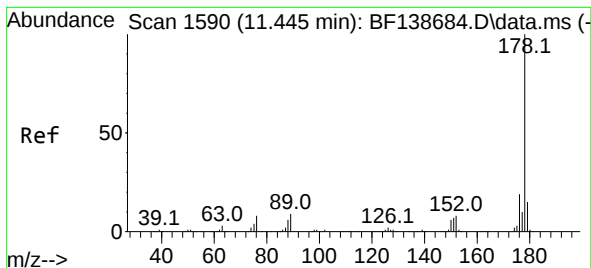


#71
Phenanthrene
Concen: 10.465 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00



Tgt Ion:178 Resp: 88842
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 14.6 12.2 18.2





#72

Anthracene

Concen: 2.898 ng

RT: 11.439 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF138704.D

Acq: 31 Jul 2024 16:00

Instrument :

BNA_F

ClientSampleId :

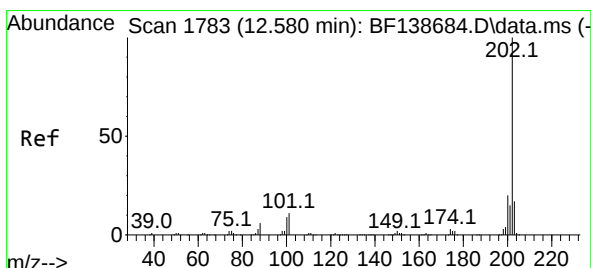
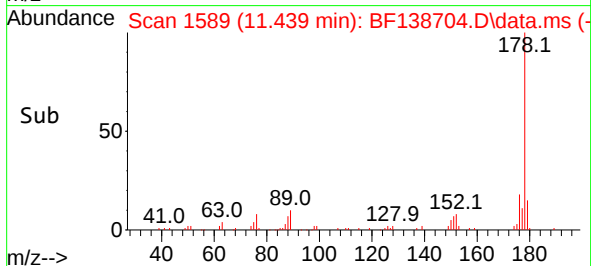
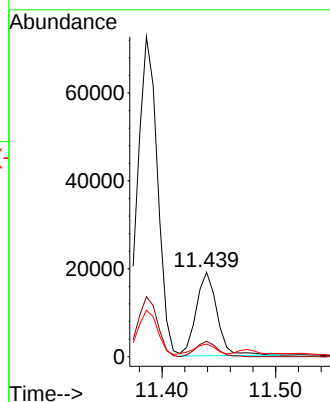
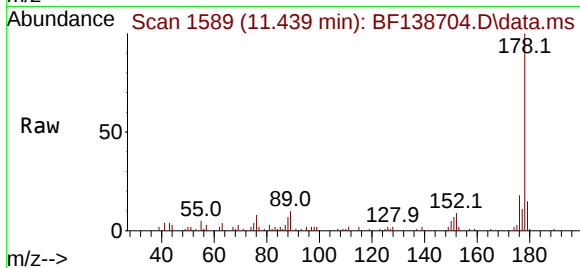
OR-03-07252024

Tgt Ion:178	Resp:	24240
Ion Ratio	Lower	Upper
178	100	
176	18.2	14.9 22.3
179	15.0	12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024



#75

Fluoranthene

Concen: 22.513 ng

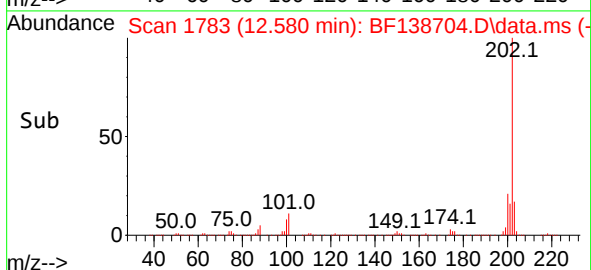
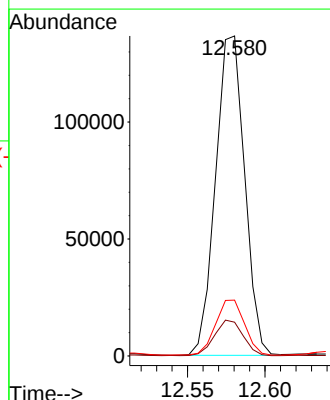
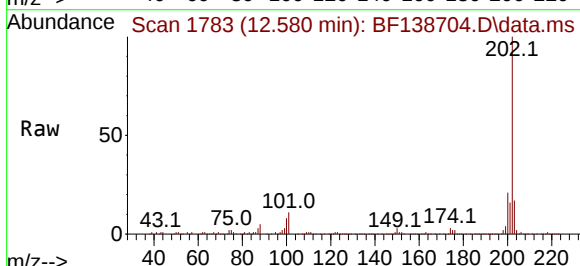
RT: 12.580 min Scan# 1783

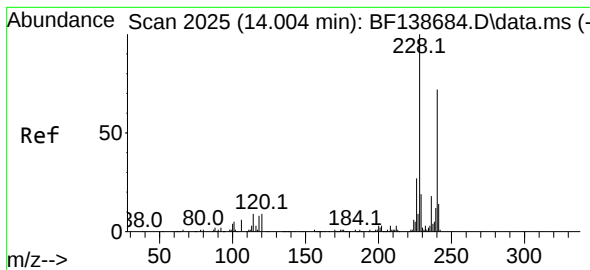
Delta R.T. 0.000 min

Lab File: BF138704.D

Acq: 31 Jul 2024 16:00

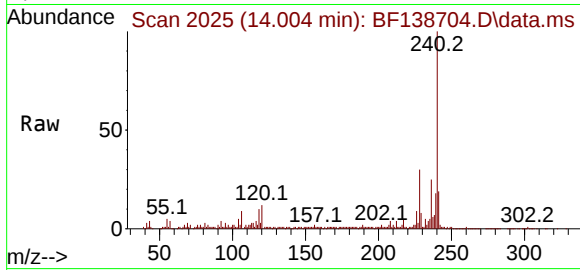
Tgt Ion:202	Resp:	178426
Ion Ratio	Lower	Upper
202	100	
101	10.6	0.0 31.2
203	17.5	0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

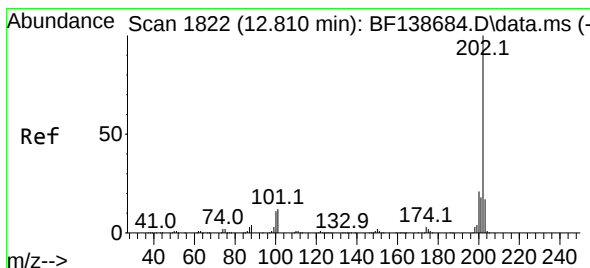
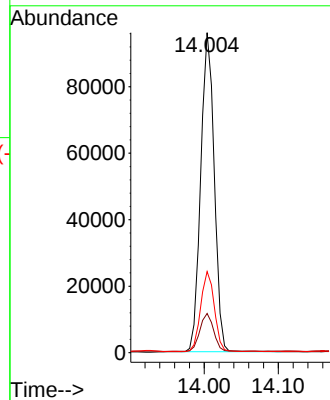
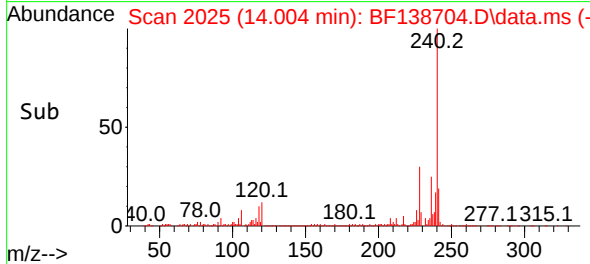
Instrument :
BNA_F
ClientSampleId :
OR-03-07252024



Tgt Ion:240 Resp: 121490
Ion Ratio Lower Upper
240 100
120 12.2 10.2 15.4
236 25.4 19.8 29.8

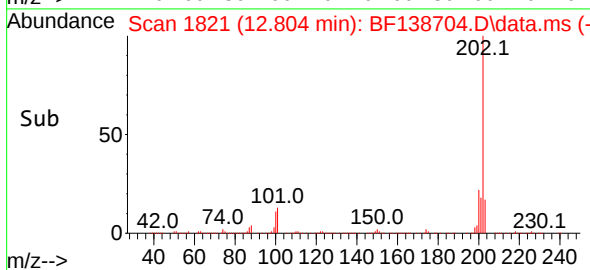
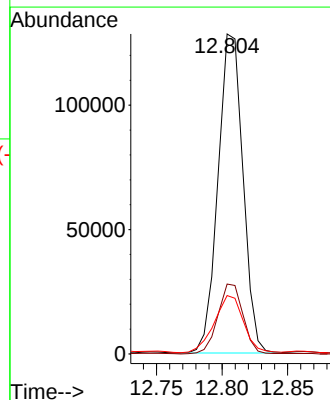
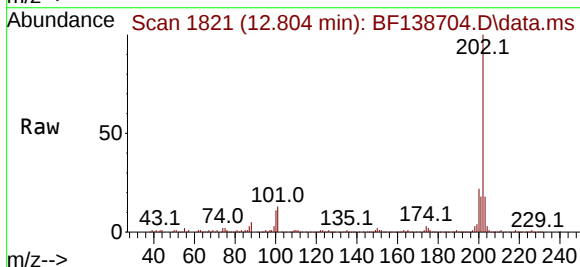
Manual Integrations
APPROVED

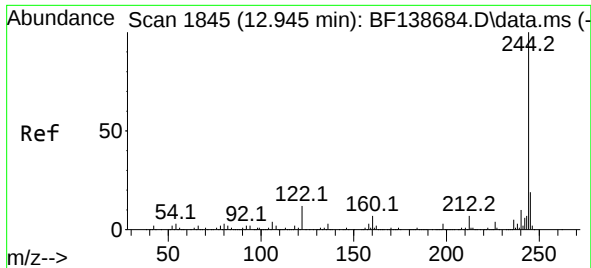
Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024



#78
Pyrene
Concen: 14.857 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

Tgt Ion:202 Resp: 169958
Ion Ratio Lower Upper
202 100
200 21.9 16.8 25.2
203 18.3 13.8 20.6





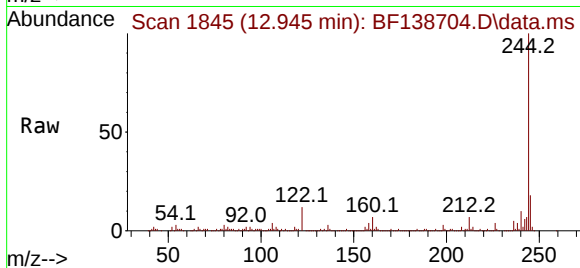
#79
 Terphenyl-d14
 Concen: 29.607 ng
 RT: 12.945 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: BF138704.D
 Acq: 31 Jul 2024 16:00

Instrument :

BNA_F

ClientSampleId :

OR-03-07252024

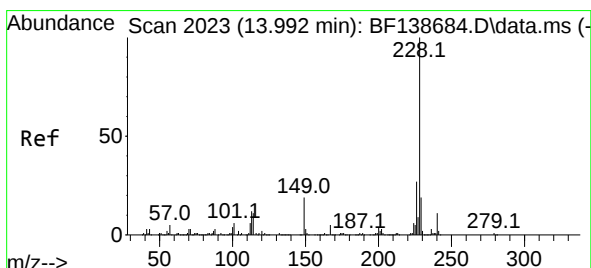
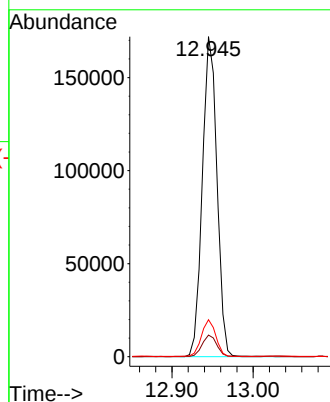
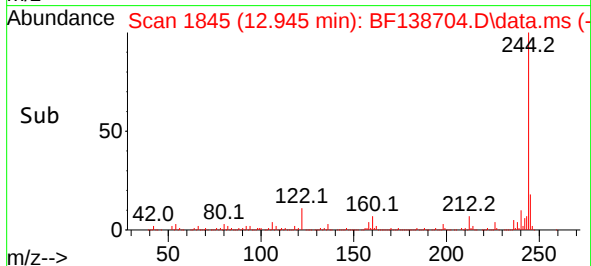


Tgt Ion:244 Resp: 21485
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 11.6 9.6 14.4

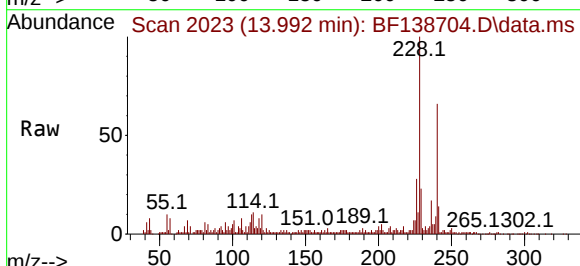
Manual Integrations

APPROVED

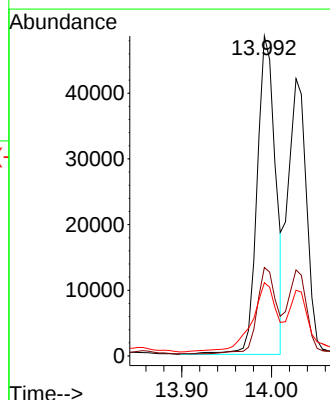
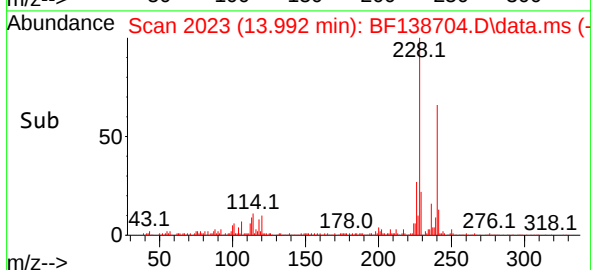
Reviewed By :Jagrut Upadhyay 08/01/2024
 Supervised By :mohammad ahmed 08/03/2024

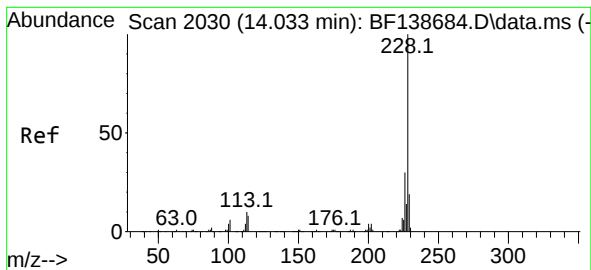


#81
 Benzo(a)anthracene
 Concen: 8.286 ng
 RT: 13.992 min Scan# 2023
 Delta R.T. 0.000 min
 Lab File: BF138704.D
 Acq: 31 Jul 2024 16:00



Tgt Ion:228 Resp: 69321
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.1 33.1
 229 22.9 15.4 23.0





#83

Chrysene

Concen: 7.805 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138704.D

Acq: 31 Jul 2024 16:00

Instrument :

BNA_F

ClientSampleId :

OR-03-07252024

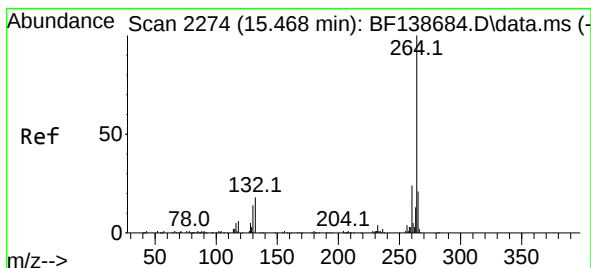
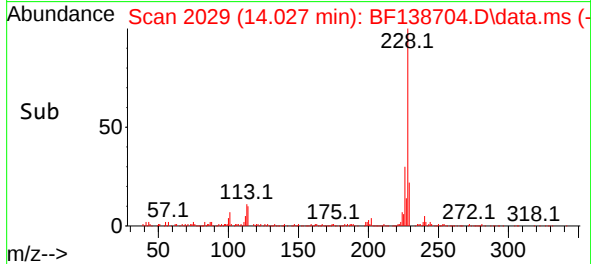
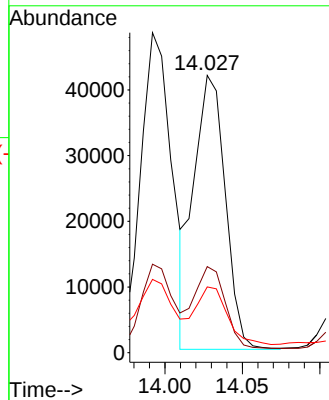
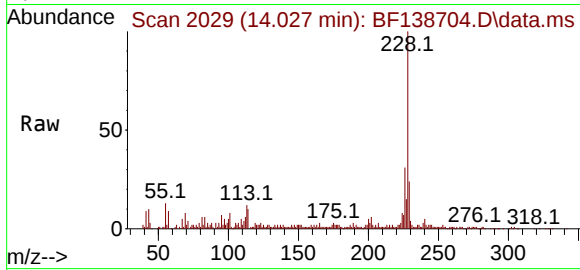
Tgt Ion:228 Resp: 5891

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.7	35.5
229	23.7	15.0	22.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2274

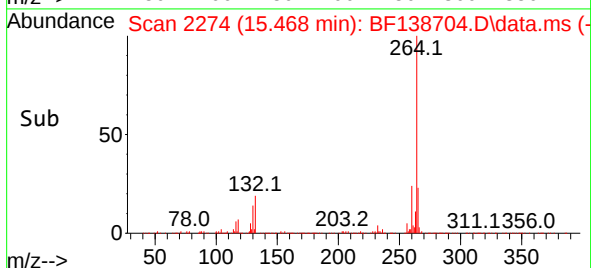
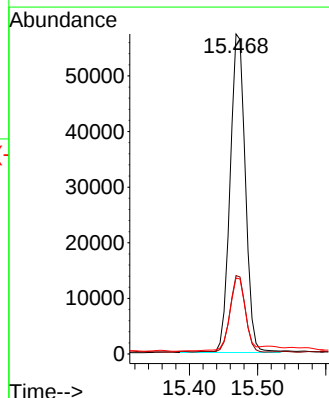
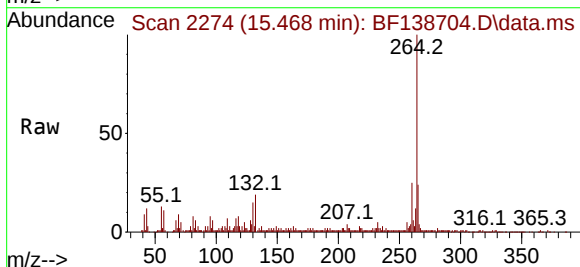
Delta R.T. 0.000 min

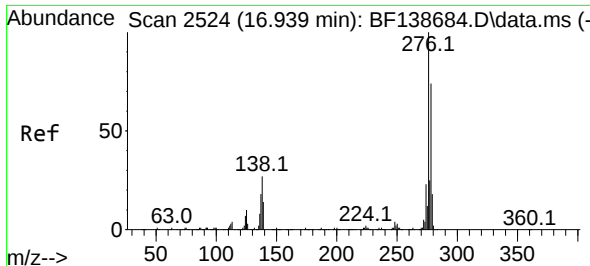
Lab File: BF138704.D

Acq: 31 Jul 2024 16:00

Tgt Ion:264 Resp: 89043

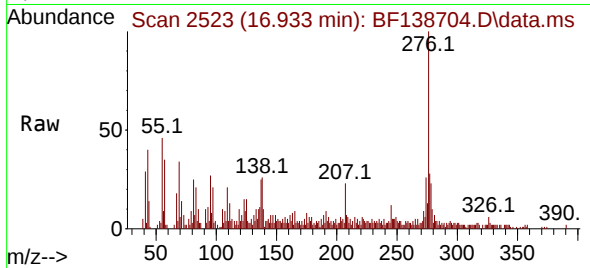
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.6
265	23.8	17.0	25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.617 ng
RT: 16.933 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

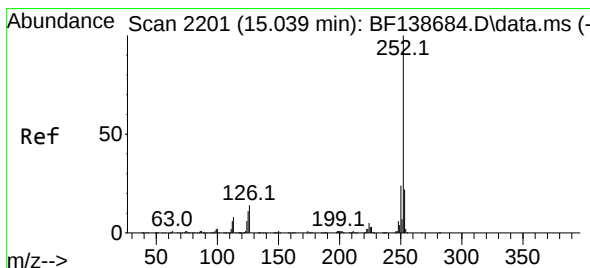
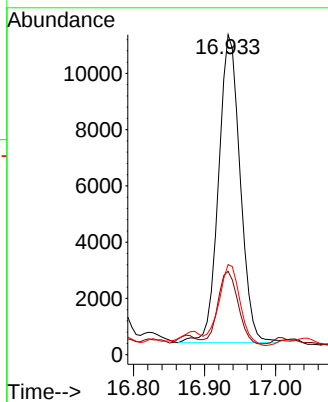
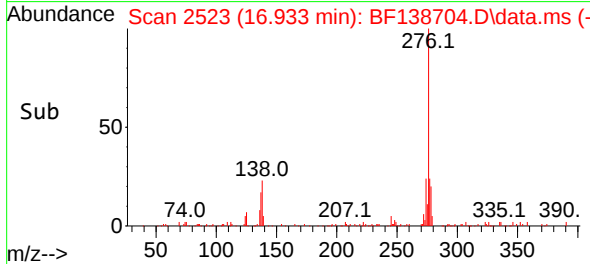
Instrument :
BNA_F
ClientSampleId :
OR-03-07252024



Tgt Ion:276 Resp: 23078
Ion Ratio Lower Upper
276 100
138 21.8 21.8 32.8
277 26.1 20.6 30.8

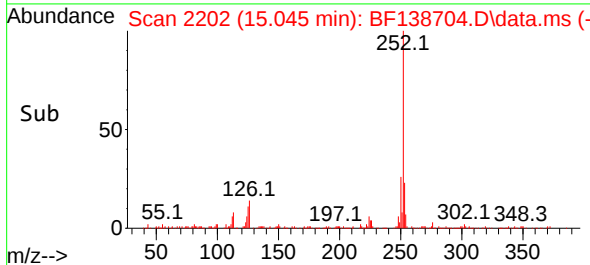
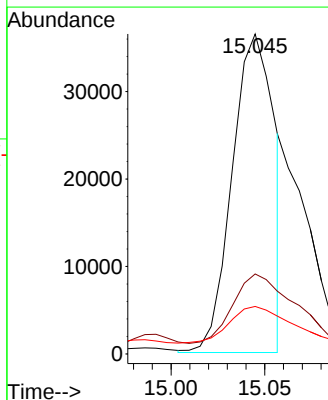
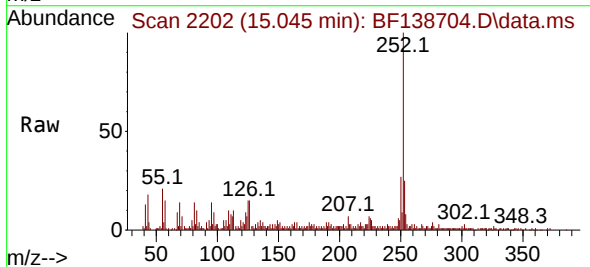
Manual Integrations
APPROVED

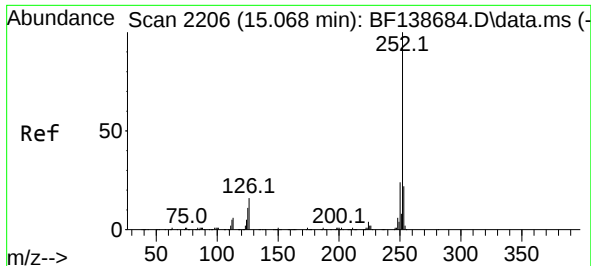
Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024



#88
Benzo(b)fluoranthene
Concen: 10.359 ng m
RT: 15.045 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

Tgt Ion:252 Resp: 57181
Ion Ratio Lower Upper
252 100
253 25.0 17.5 26.3
125 14.8 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 5.196 ng m

RT: 15.057 min Scan# 2206

Delta R.T. -0.012 min

Lab File: BF138704.D

Acq: 31 Jul 2024 16:00

Instrument :

BNA_F

ClientSampleId :

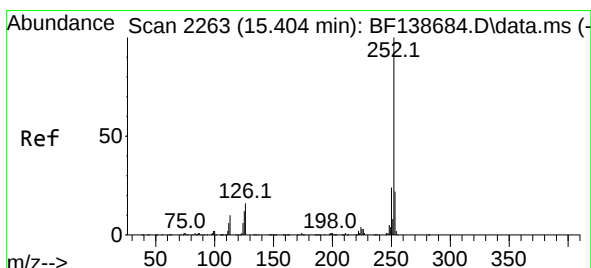
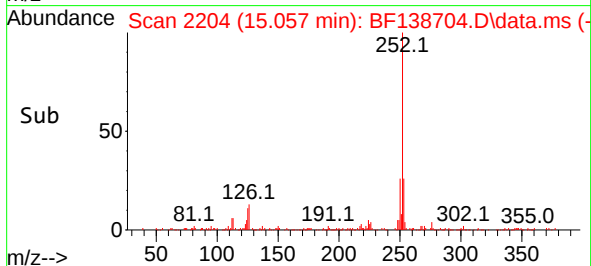
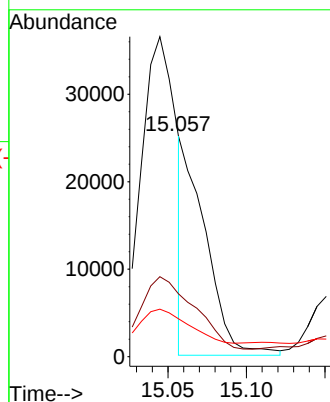
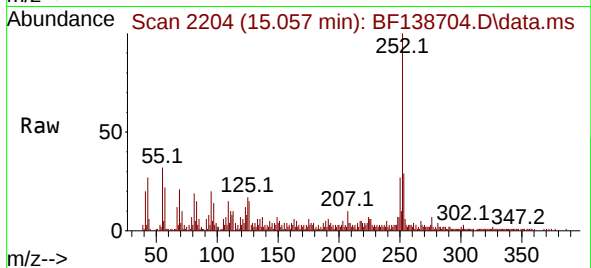
OR-03-07252024

Tgt Ion:252 Resp: 2483
 Ion Ratio Lower Upper
 252 100
 253 28.5 17.4 26.0
 125 17.2 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/01/2024
 Supervised By :mohammad ahmed 08/03/2024



#90

Benzo(a)pyrene

Concen: 8.915 ng

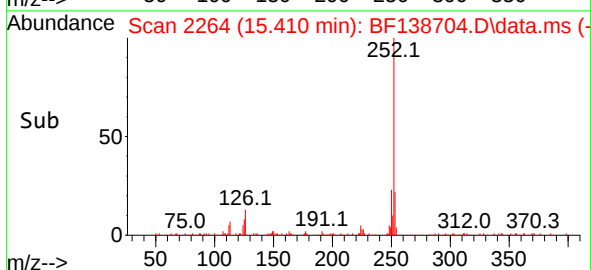
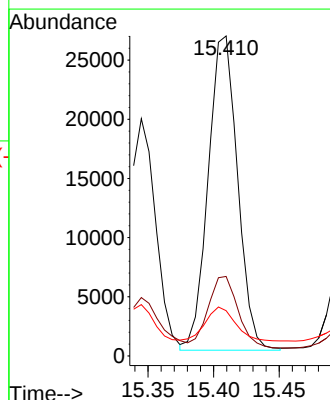
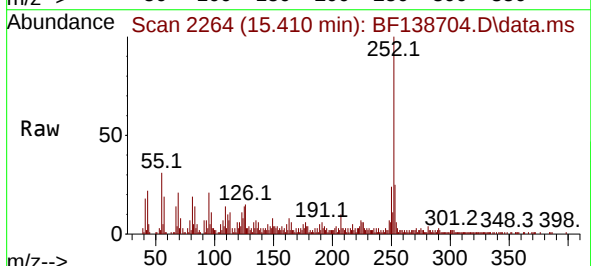
RT: 15.410 min Scan# 2264

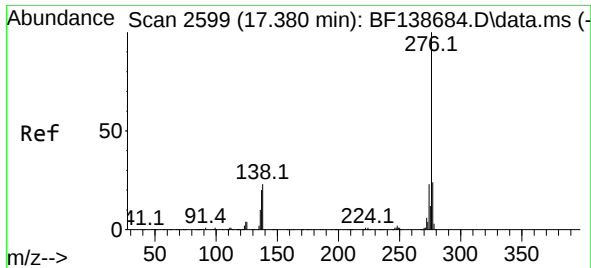
Delta R.T. 0.006 min

Lab File: BF138704.D

Acq: 31 Jul 2024 16:00

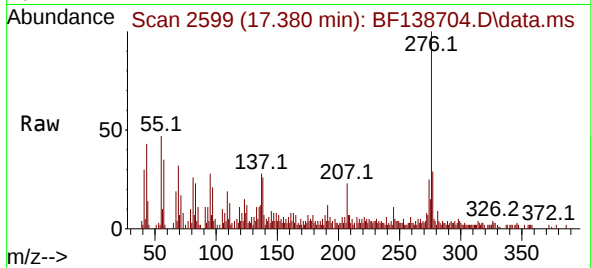
Tgt Ion:252 Resp: 41393
 Ion Ratio Lower Upper
 252 100
 253 24.9 17.3 25.9
 125 14.1 9.5 14.3





#92
Benzo(g,h,i)perylene
Concen: 4.143 ng
RT: 17.380 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

Instrument :
BNA_F
ClientSampleId :
OR-03-07252024



Tgt Ion: 276 Resp: 22518
Ion Ratio Lower Upper
276 100
277 29.0 19.0 28.4
138 26.4 18.5 27.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024

