

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080324\
 Data File : BF138771.D
 Acq On : 03 Aug 2024 15:43
 Operator : RC/JU
 Sample : P3448-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/05/2024
 Supervised By :mohammad ahmed 08/05/2024

Quant Time: Aug 05 00:52:24 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	55566	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	239638	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	134192	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	192153	20.000	ng	0.00
76) Chrysene-d12	14.004	240	102543	20.000	ng	0.00
86) Perylene-d12	15.474	264	150206	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	322596	89.619	ng	0.00
7) Phenol-d6	6.487	99	439914	91.025	ng	0.00
23) Nitrobenzene-d5	7.410	82	274534	56.011	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	90898	82.694	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	473837	53.054	ng	0.00
79) Terphenyl-d14	12.951	244	418377	68.310	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	20249	2.047	ng	98
75) Fluoranthene	12.580	202	64929	7.029	ng	98
78) Pyrene	12.810	202	74178	7.683	ng	99
81) Benzo(a)anthracene	13.998	228	36118	5.115	ng	93
83) Chrysene	14.027	228	33587m	5.272	ng	
87) Indeno(1,2,3-cd)pyrene	16.939	276	38877	3.612	ng	95
88) Benzo(b)fluoranthene	15.045	252	115586m	12.414	ng	
89) Benzo(k)fluoranthene	15.063	252	31981m	3.967	ng	
90) Benzo(a)pyrene	15.410	252	67338	8.598	ng	98
92) Benzo(g,h,i)perylene	17.386	276	38115	4.157	ng	99

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

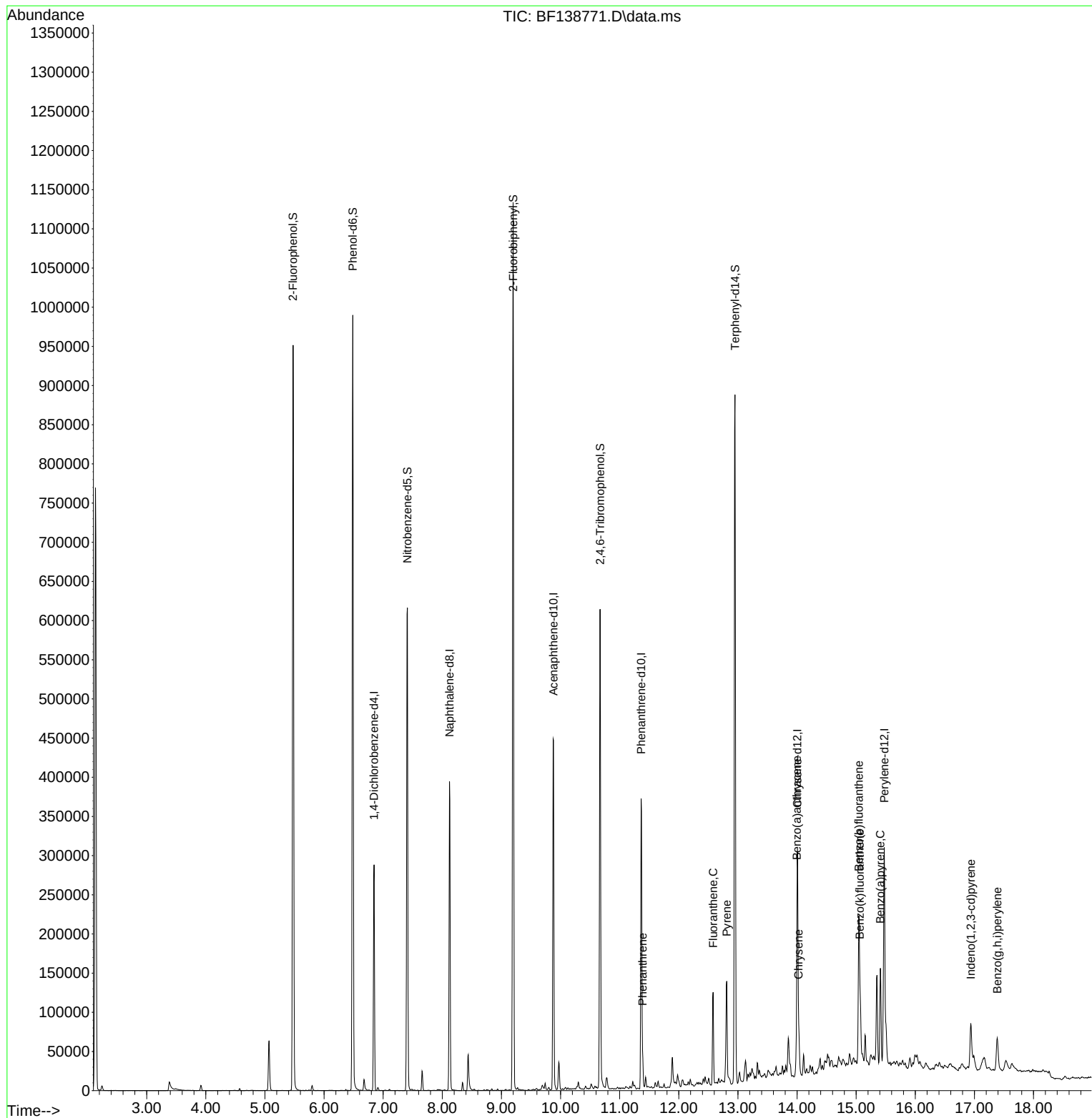
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080324\
Data File : BF138771.D
Acq On : 03 Aug 2024 15:43
Operator : RC/JU
Sample : P3448-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

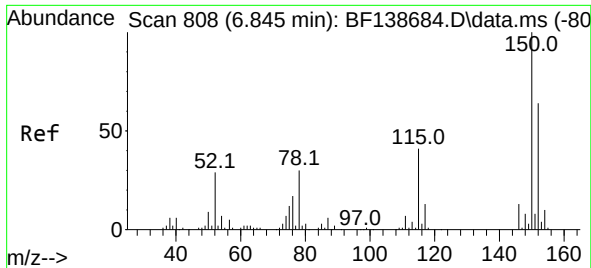
Instrument :
BNA_F
ClientSampleId :
TP6

Quant Time: Aug 05 00:52:24 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

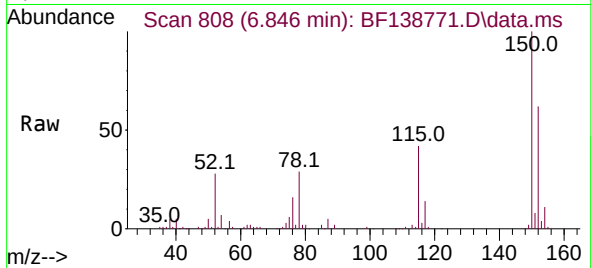
Reviewed By :Yogesh Patel 08/05/2024
Supervised By :mohammad ahmed 08/05/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 808
Delta R.T. 0.001 min
Lab File: BF138771.D
Acq: 03 Aug 2024 15:43

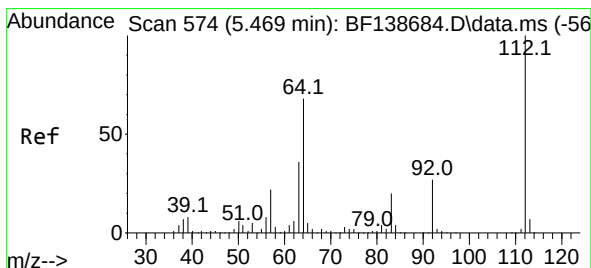
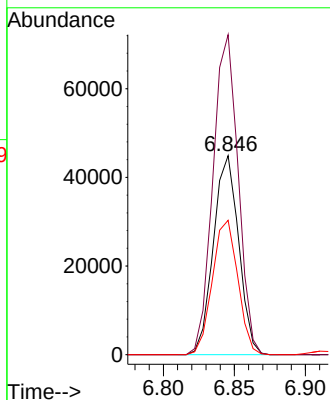
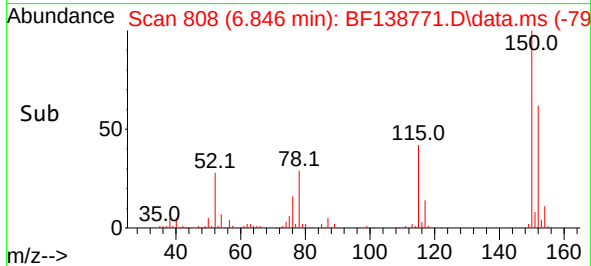
Instrument :
BNA_F
ClientSampleId :
TP6



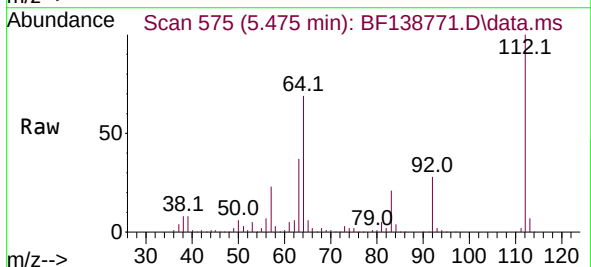
Tgt Ion:152 Resp: 55560
Ion Ratio Lower Upper
152 100
150 160.8 126.0 189.0
115 67.5 51.7 77.5

Manual Integrations
APPROVED

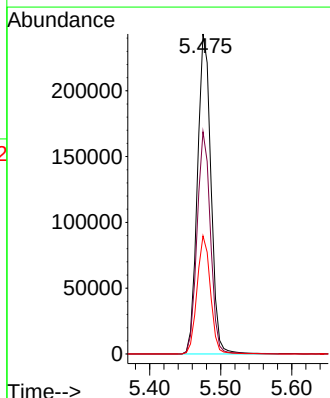
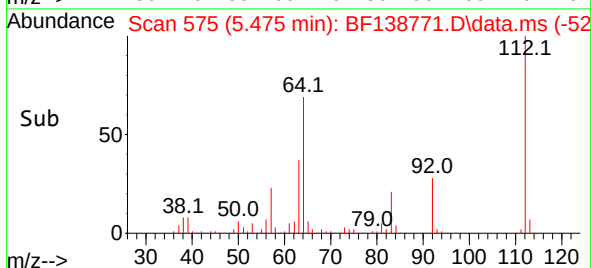
Reviewed By :Yogesh Patel 08/05/2024
Supervised By :mohammad ahmed 08/05/2024

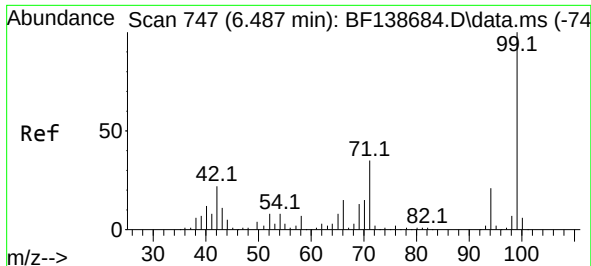


#5
2-Fluorophenol
Concen: 89.619 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF138771.D
Acq: 03 Aug 2024 15:43



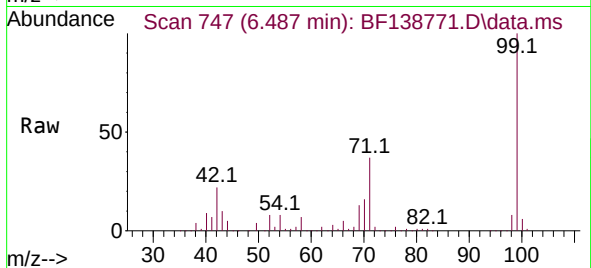
Tgt Ion:112 Resp: 322596
Ion Ratio Lower Upper
112 100
64 69.4 54.2 81.4
63 36.9 28.7 43.1





#7
Phenol-d6
Concen: 91.025 ng
RT: 6.487 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF138771.D
Acq: 03 Aug 2024 15:43

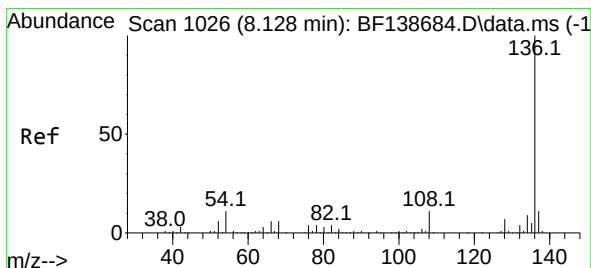
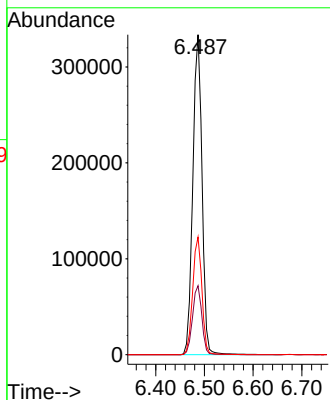
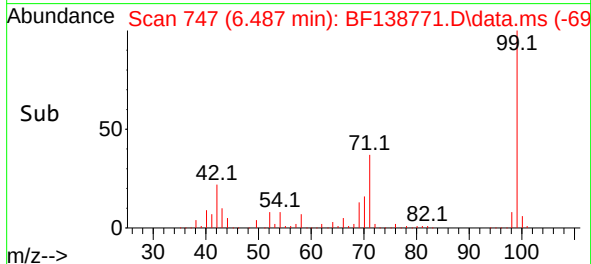
Instrument :
BNA_F
ClientSampleId :
TP6



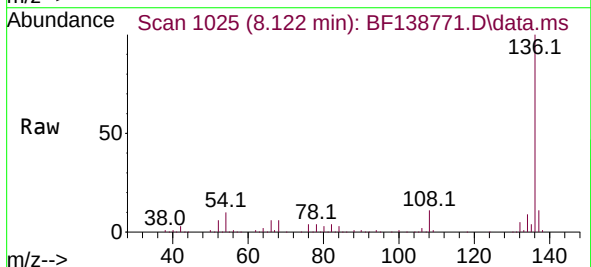
Tgt Ion: 99 Resp: 439914
Ion Ratio Lower Upper
99 100
42 21.6 17.4 26.0
71 36.8 28.1 42.1

Manual Integrations
APPROVED

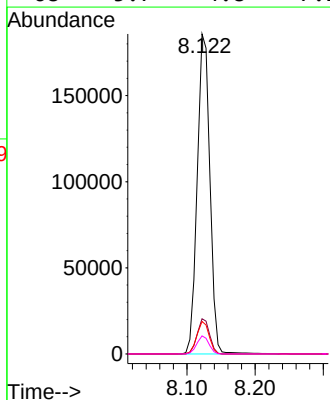
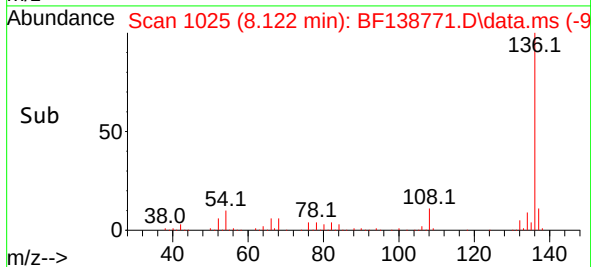
Reviewed By :Yogesh Patel 08/05/2024
Supervised By :mohammad ahmed 08/05/2024

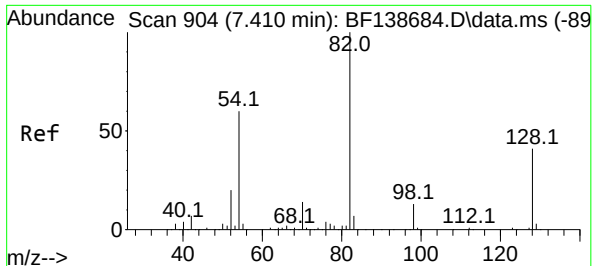


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138771.D
Acq: 03 Aug 2024 15:43



Tgt Ion:136 Resp: 239638
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 10.1 8.6 12.8
68 5.7 4.8 7.2





#23

Nitrobenzene-d5

Concen: 56.011 ng

RT: 7.410 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF138771.D

Acq: 03 Aug 2024 15:43

Instrument :

BNA_F

ClientSampleId :

TP6

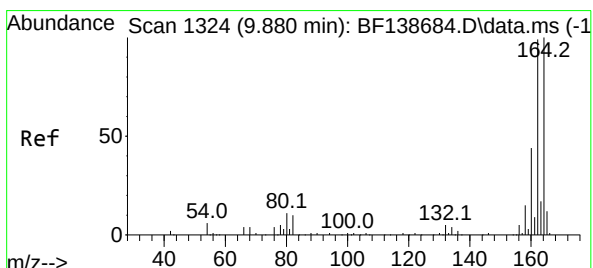
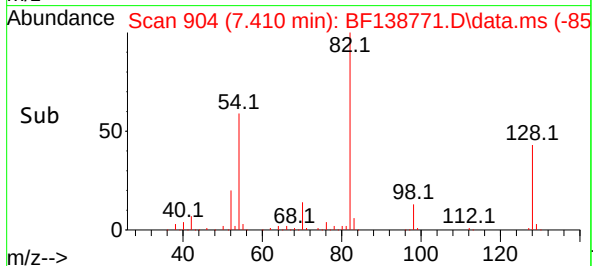
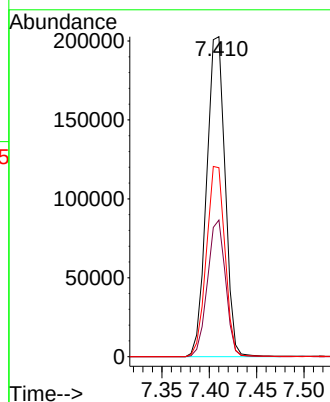
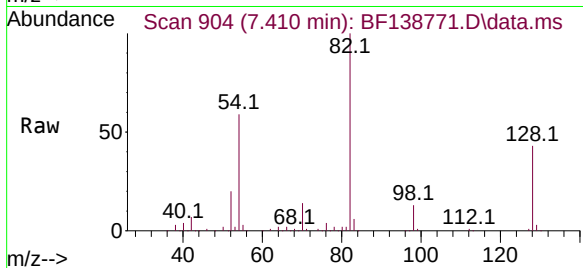
Tgt Ion: 82 Resp: 274534
 Ion Ratio Lower Upper
 82 100
 128 42.7 32.8 49.2
 54 59.0 48.3 72.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/05/2024

Supervised By :mohammad ahmed 08/05/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

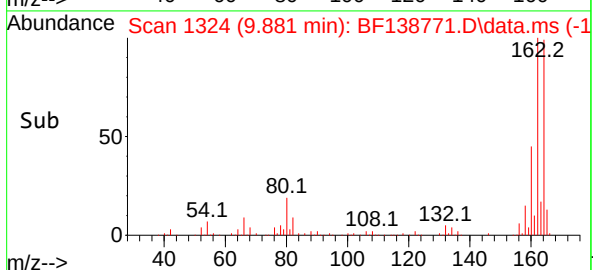
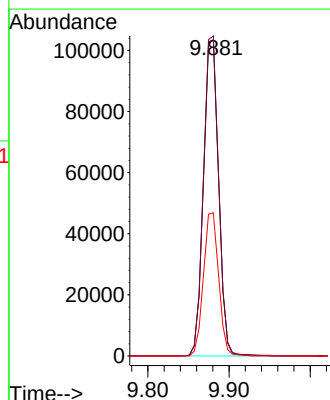
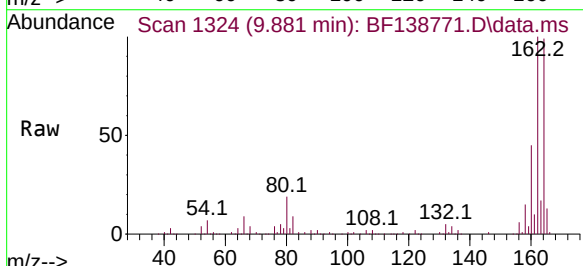
RT: 9.881 min Scan# 1324

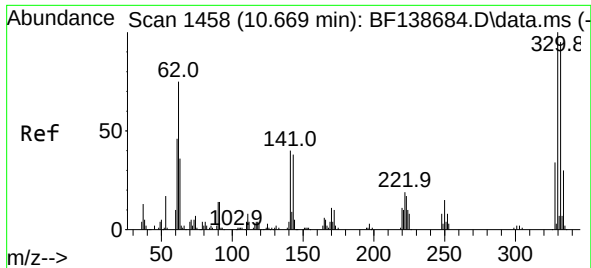
Delta R.T. 0.001 min

Lab File: BF138771.D

Acq: 03 Aug 2024 15:43

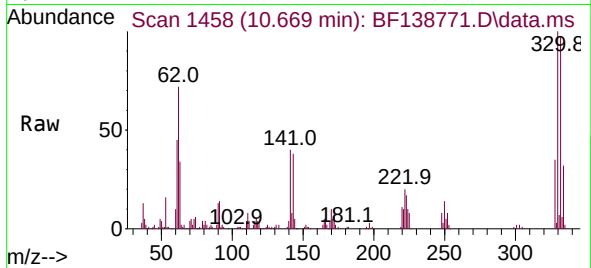
Tgt Ion:164 Resp: 134192
 Ion Ratio Lower Upper
 164 100
 162 101.2 79.4 119.0
 160 45.3 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 82.694 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138771.D
Acq: 03 Aug 2024 15:43

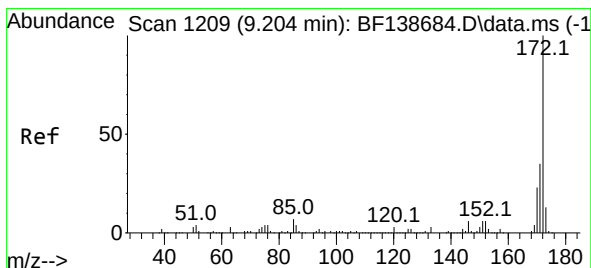
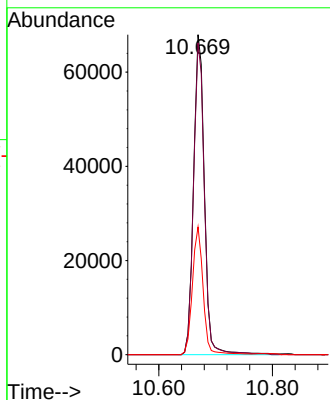
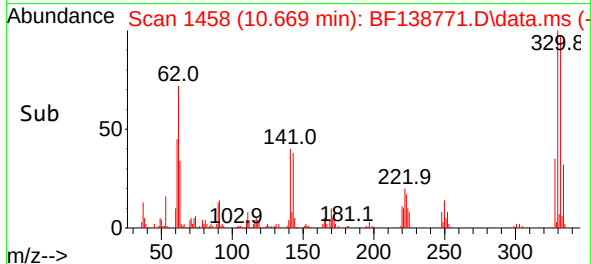
Instrument :
BNA_F
ClientSampleId :
TP6



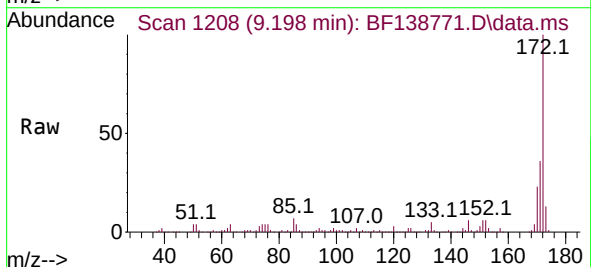
Tgt Ion: 330 Resp: 90898
Ion Ratio Lower Upper
330 100
332 97.3 76.4 114.6
141 39.4 31.1 46.7

Manual Integrations
APPROVED

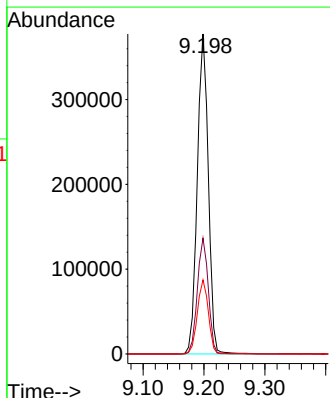
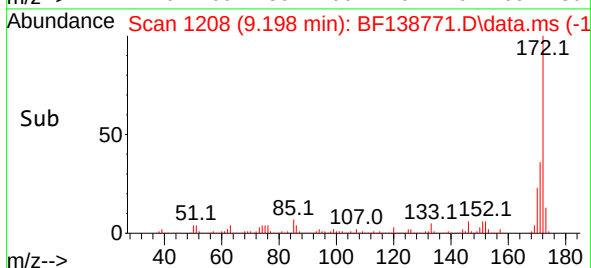
Reviewed By : Yogesh Patel 08/05/2024
Supervised By : mohammad ahmed 08/05/2024

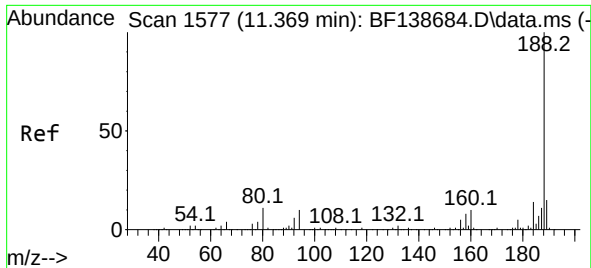


#45
2-Fluorobiphenyl
Concen: 53.054 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138771.D
Acq: 03 Aug 2024 15:43



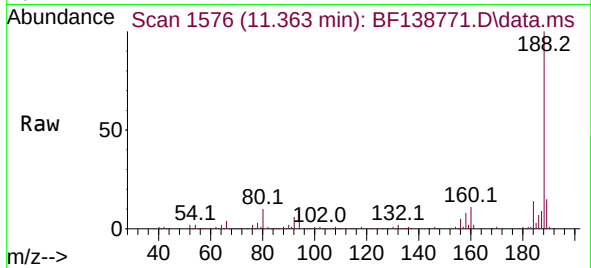
Tgt Ion: 172 Resp: 473837
Ion Ratio Lower Upper
172 100
171 36.2 28.3 42.5
170 23.2 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138771.D
Acq: 03 Aug 2024 15:43

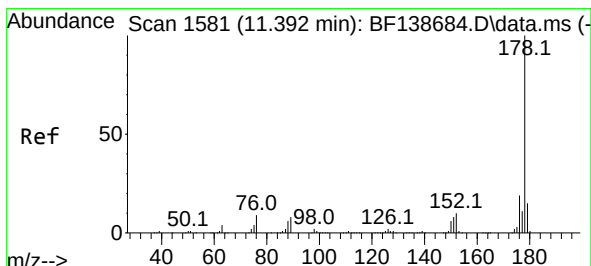
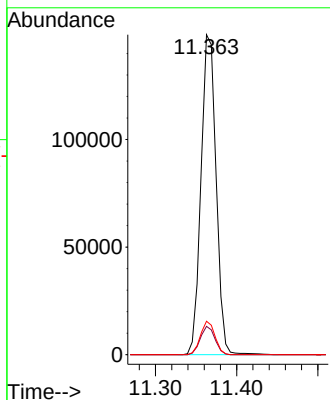
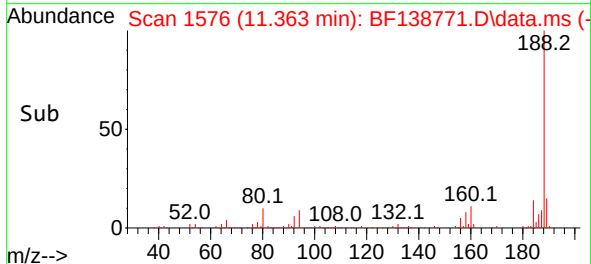
Instrument :
BNA_F
ClientSampleId :
TP6



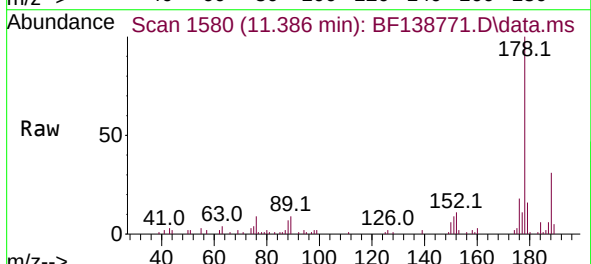
Tgt Ion:188 Resp: 19215
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 10.5 8.6 12.8

Manual Integrations
APPROVED

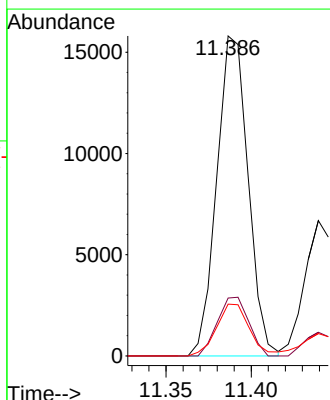
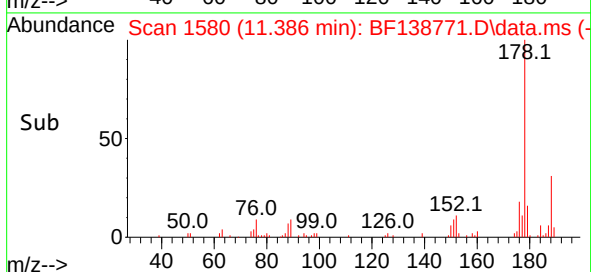
Reviewed By :Yogesh Patel 08/05/2024
Supervised By :mohammad ahmed 08/05/2024

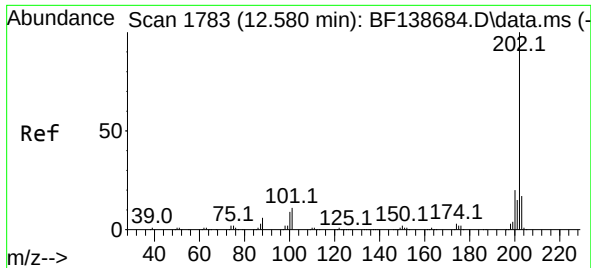


#71
Phenanthrene
Concen: 2.047 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138771.D
Acq: 03 Aug 2024 15:43



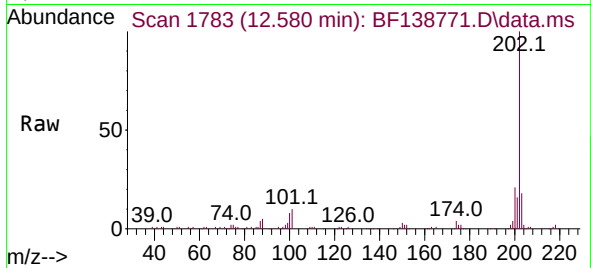
Tgt Ion:178 Resp: 20249
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.0
179 16.2 12.2 18.2





#75
Fluoranthene
Concen: 7.029 ng
RT: 12.580 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF138771.D
Acq: 03 Aug 2024 15:43

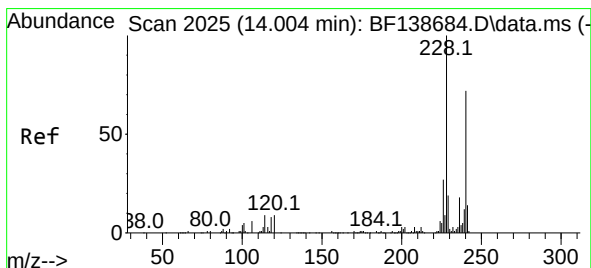
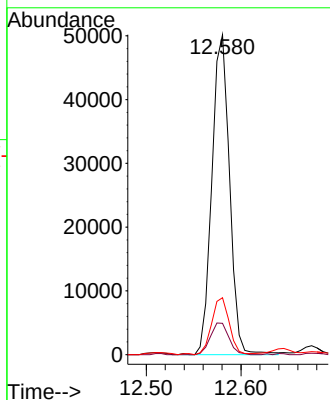
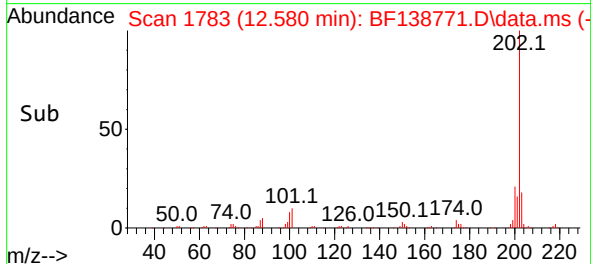
Instrument :
BNA_F
ClientSampleId :
TP6



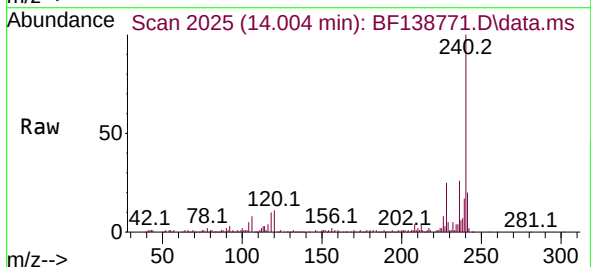
Tgt Ion:202 Resp: 64929
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.2
203 17.8 0.0 37.3

Manual Integrations
APPROVED

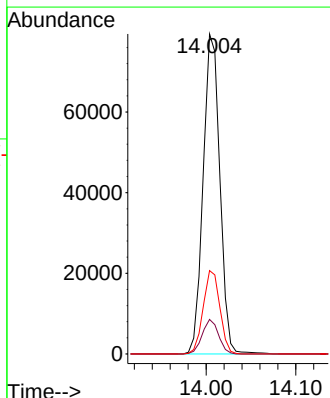
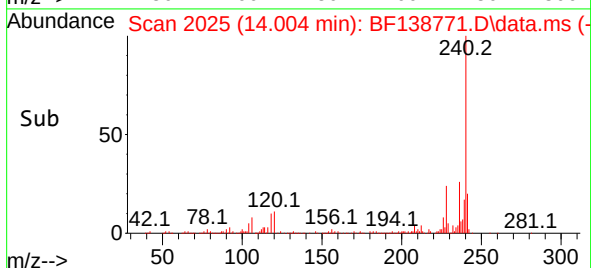
Reviewed By :Yogesh Patel 08/05/2024
Supervised By :mohammad ahmed 08/05/2024

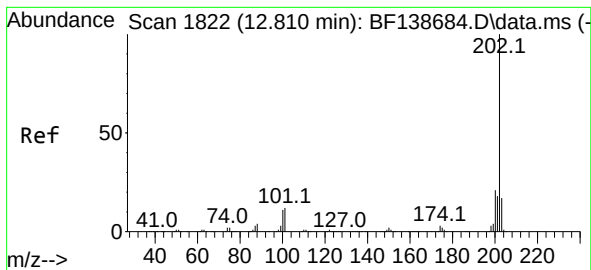


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138771.D
Acq: 03 Aug 2024 15:43



Tgt Ion:240 Resp: 102543
Ion Ratio Lower Upper
240 100
120 10.8 10.2 15.4
236 26.0 19.8 29.8





#78

Pyrene

Concen: 7.683 ng

RT: 12.810 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF138771.D

Acq: 03 Aug 2024 15:43

Instrument :

BNA_F

ClientSampleId :

TP6

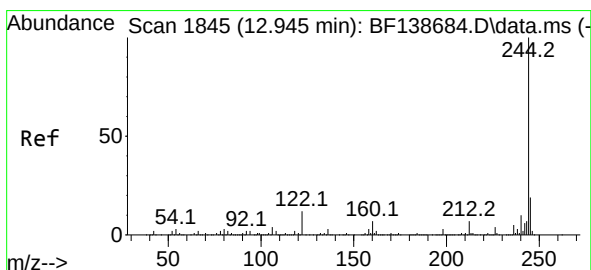
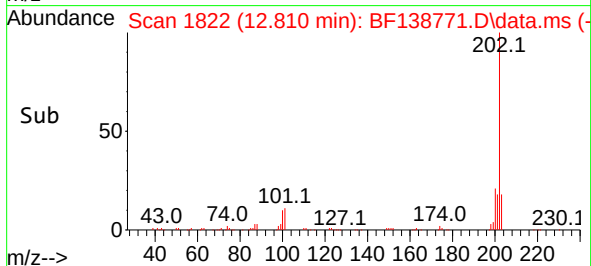
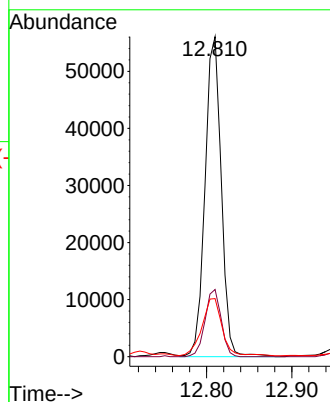
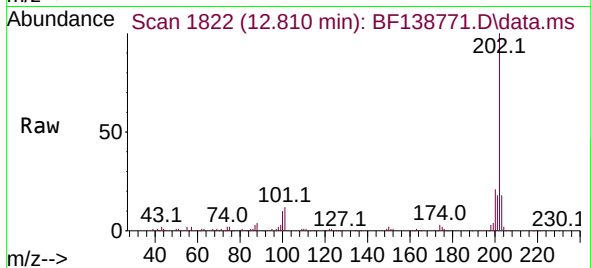
Tgt Ion:202	Resp:	74178
Ion Ratio	Lower	Upper
202	100	
200	21.0	16.8 25.2
203	18.2	13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/05/2024

Supervised By :mohammad ahmed 08/05/2024



#79

Terphenyl-d14

Concen: 68.310 ng

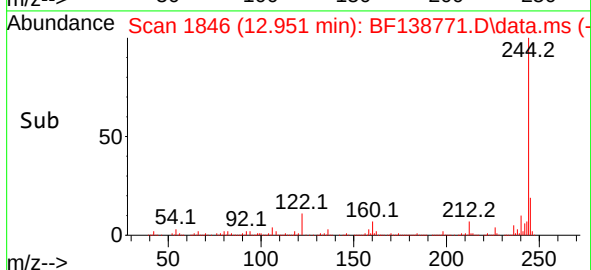
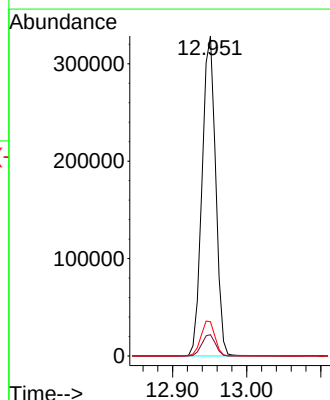
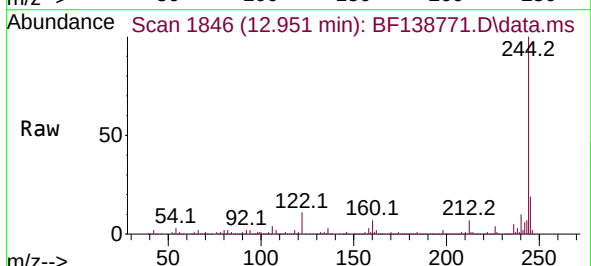
RT: 12.951 min Scan# 1846

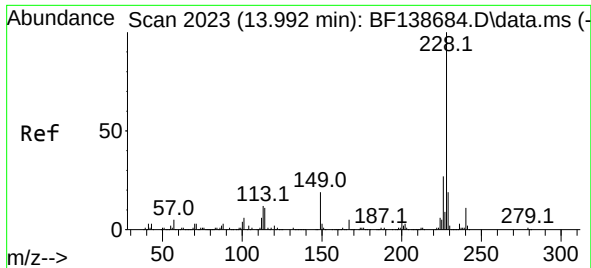
Delta R.T. 0.006 min

Lab File: BF138771.D

Acq: 03 Aug 2024 15:43

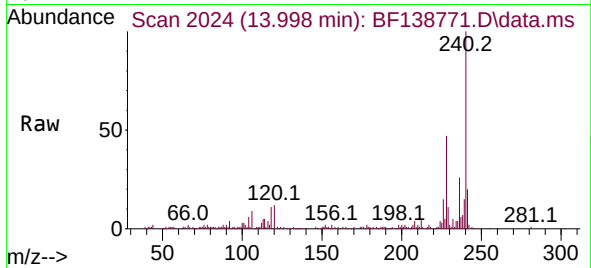
Tgt Ion:244	Resp:	418377
Ion Ratio	Lower	Upper
244	100	
212	6.7	5.4 8.2
122	10.7	9.6 14.4





#81
Benzo(a)anthracene
Concen: 5.115 ng
RT: 13.998 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF138771.D
Acq: 03 Aug 2024 15:43

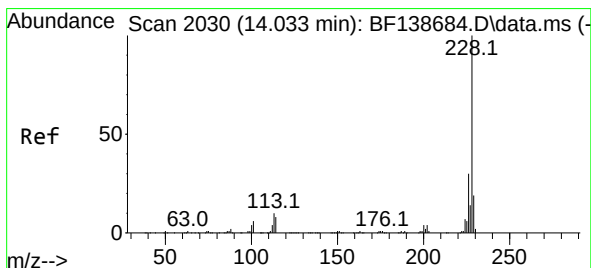
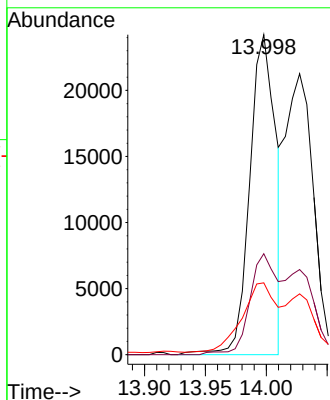
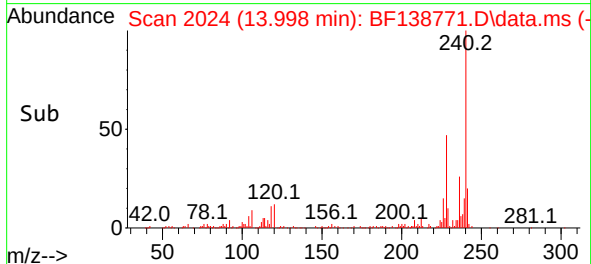
Instrument :
BNA_F
ClientSampleId :
TP6



Tgt Ion:228 Resp: 36118
Ion Ratio Lower Upper
228 100
226 31.6 22.1 33.1
229 22.5 15.4 23.0

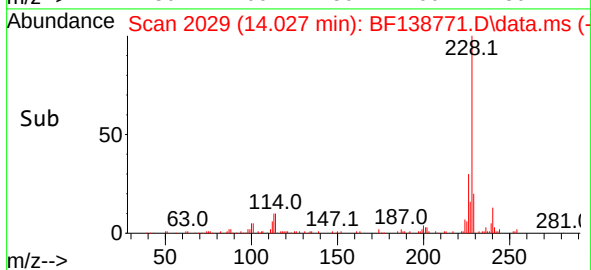
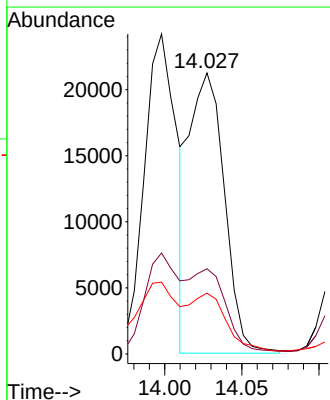
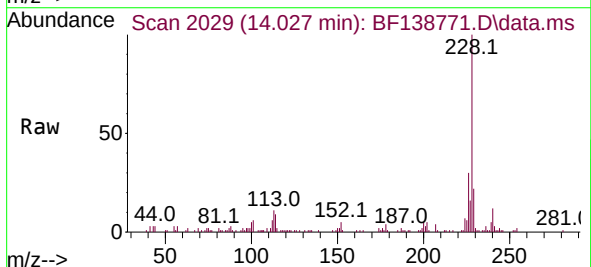
Manual Integrations
APPROVED

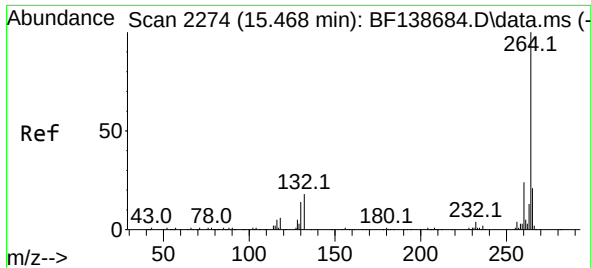
Reviewed By :Yogesh Patel 08/05/2024
Supervised By :mohammad ahmed 08/05/2024



#83
Chrysene
Concen: 5.272 ng m
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF138771.D
Acq: 03 Aug 2024 15:43

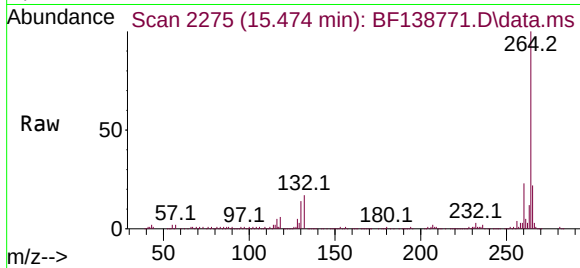
Tgt Ion:228 Resp: 33587
Ion Ratio Lower Upper
228 100
226 30.3 23.7 35.5
229 21.6 15.0 22.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138771.D
Acq: 03 Aug 2024 15:43

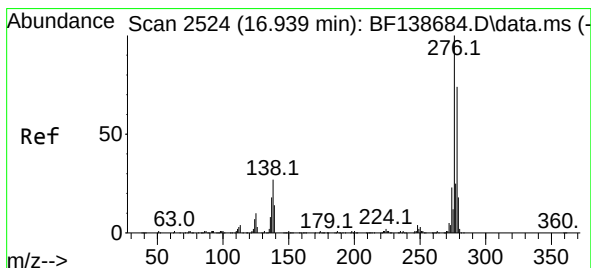
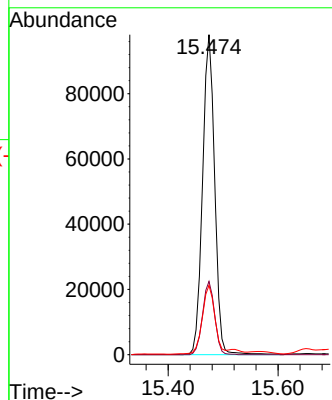
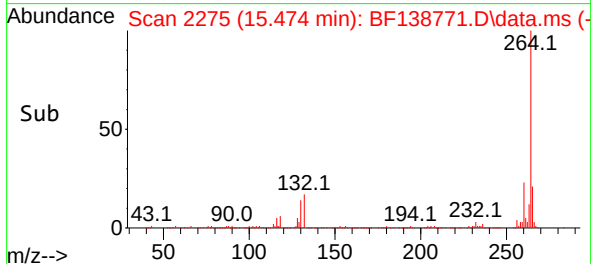
Instrument :
BNA_F
ClientSampleId :
TP6



Tgt Ion:264 Resp: 150200
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.6
265 21.6 17.0 25.6

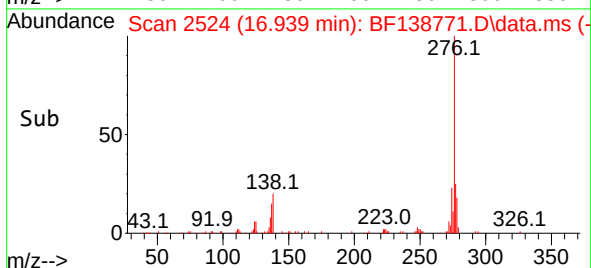
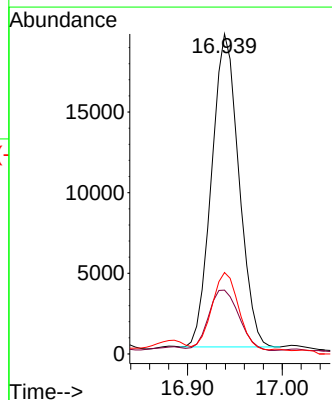
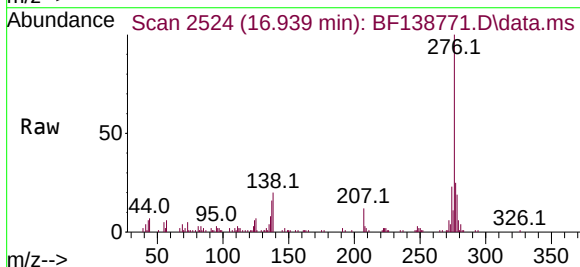
Manual Integrations
APPROVED

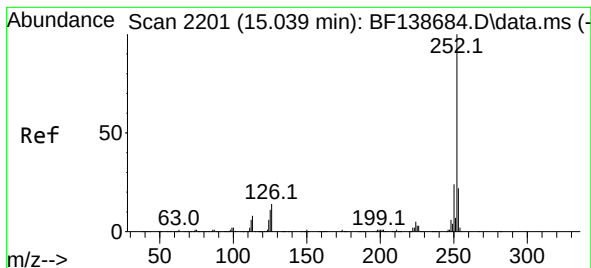
Reviewed By :Yogesh Patel 08/05/2024
Supervised By :mohammad ahmed 08/05/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.612 ng
RT: 16.939 min Scan# 2524
Delta R.T. 0.000 min
Lab File: BF138771.D
Acq: 03 Aug 2024 15:43

Tgt Ion:276 Resp: 38877
Ion Ratio Lower Upper
276 100
138 23.5 21.8 32.8
277 24.4 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 12.414 ng m

RT: 15.045 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138771.D

Acq: 03 Aug 2024 15:43

Instrument :

BNA_F

ClientSampleId :

TP6

Tgt Ion:252 Resp: 11558

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

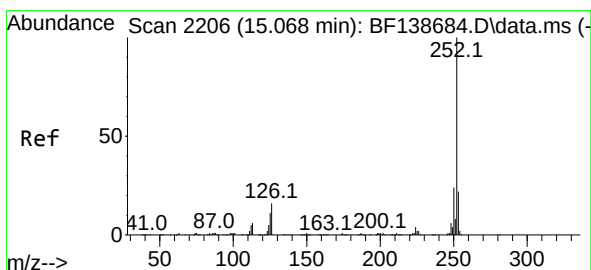
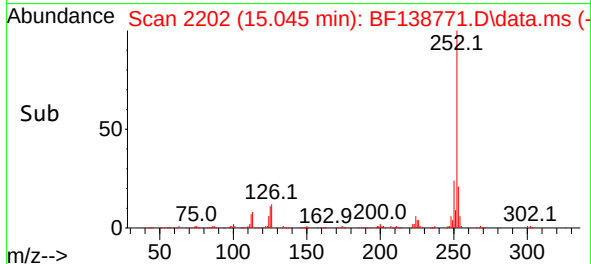
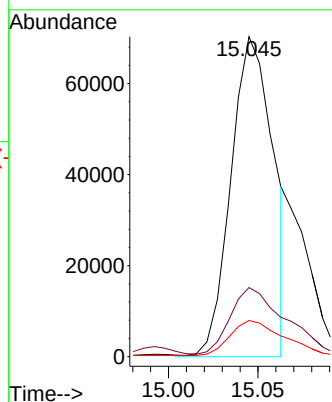
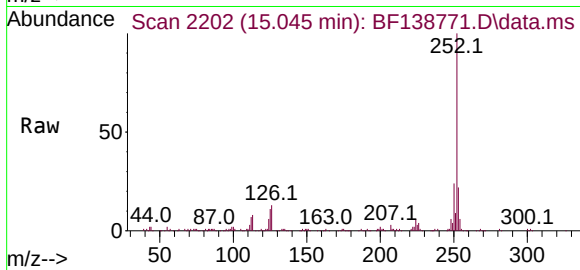
125 11.3 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/05/2024

Supervised By :mohammad ahmed 08/05/2024



#89

Benzo(k)fluoranthene

Concen: 3.967 ng m

RT: 15.063 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BF138771.D

Acq: 03 Aug 2024 15:43

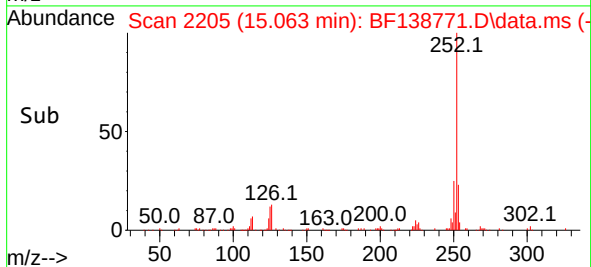
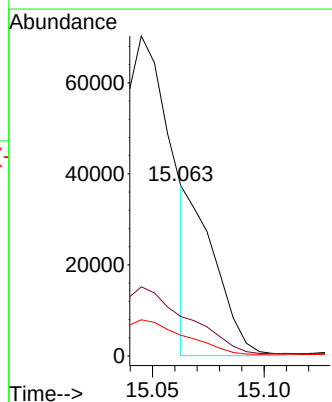
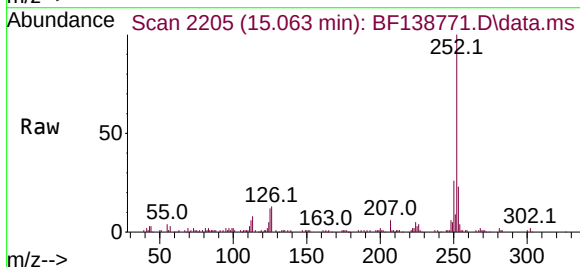
Tgt Ion:252 Resp: 31981

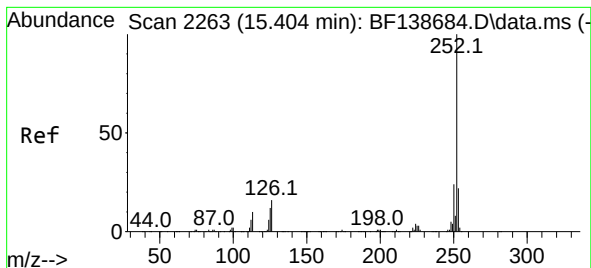
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 12.3 8.6 13.0





#90

Benzo(a)pyrene

Concen: 8.598 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138771.D

Acq: 03 Aug 2024 15:43

Instrument :

BNA_F

ClientSampleId :

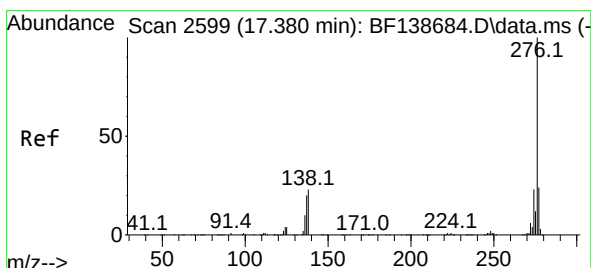
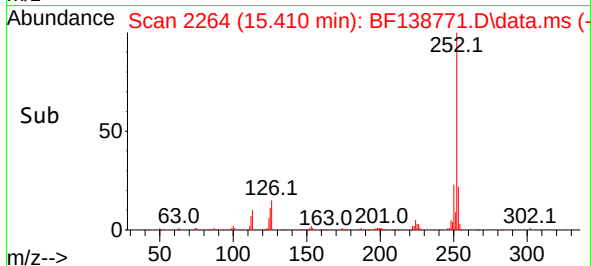
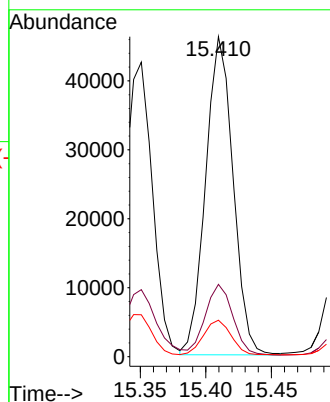
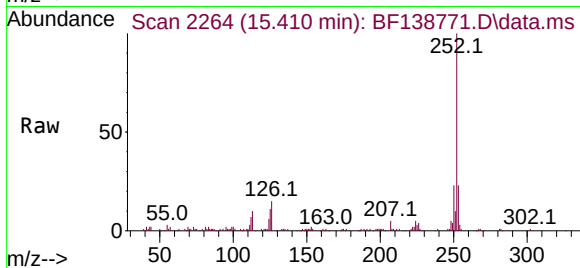
TP6

Tgt Ion:252 Resp: 67338
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.3 25.9
 125 11.4 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/05/2024
 Supervised By :mohammad ahmed 08/05/2024



#92

Benzo(g,h,i)perylene

Concen: 4.157 ng

RT: 17.386 min Scan# 2600

Delta R.T. 0.006 min

Lab File: BF138771.D

Acq: 03 Aug 2024 15:43

Tgt Ion:276 Resp: 38115
 Ion Ratio Lower Upper
 276 100
 277 24.8 19.0 28.4
 138 23.3 18.5 27.7

