

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
 Data File : BF138553.D
 Acq On : 12 Jul 2024 18:36
 Operator : CG\JU
 Sample : P3186-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/13/2024
 Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 12 23:13:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	88399	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	339793	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	172145	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	219057	20.000	ng	0.00
76) Chrysene-d12	14.021	240	168713	20.000	ng	0.00
86) Perylene-d12	15.486	264	137046	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	567927	101.750	ng	0.00
7) Phenol-d6	6.498	99	753670	101.502	ng	0.00
23) Nitrobenzene-d5	7.428	82	488861	70.637	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	136707	84.971	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	798528	72.498	ng	0.00
79) Terphenyl-d14	12.963	244	535445	51.703	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.404	178	66682	6.025	ng	98
72) Anthracene	11.457	178	28447	2.589	ng	99
75) Fluoranthene	12.592	202	241728	21.406	ng	97
78) Pyrene	12.822	202	246238	14.377	ng	99
81) Benzo(a)anthracene	14.010	228	153573	13.566	ng	92
83) Chrysene	14.045	228	170074	15.881	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	78830	8.563	ng	95
88) Benzo(b)fluoranthene	15.057	252	347125m	44.976	ng	
89) Benzo(k)fluoranthene	15.080	252	113798m	15.118	ng	
90) Benzo(a)pyrene	15.421	252	167856	24.758	ng	99
91) Dibenzo(a,h)anthracene	16.957	278	19824m	2.633	ng	
92) Benzo(g,h,i)perylene	17.386	276	65513	8.205	ng	97

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

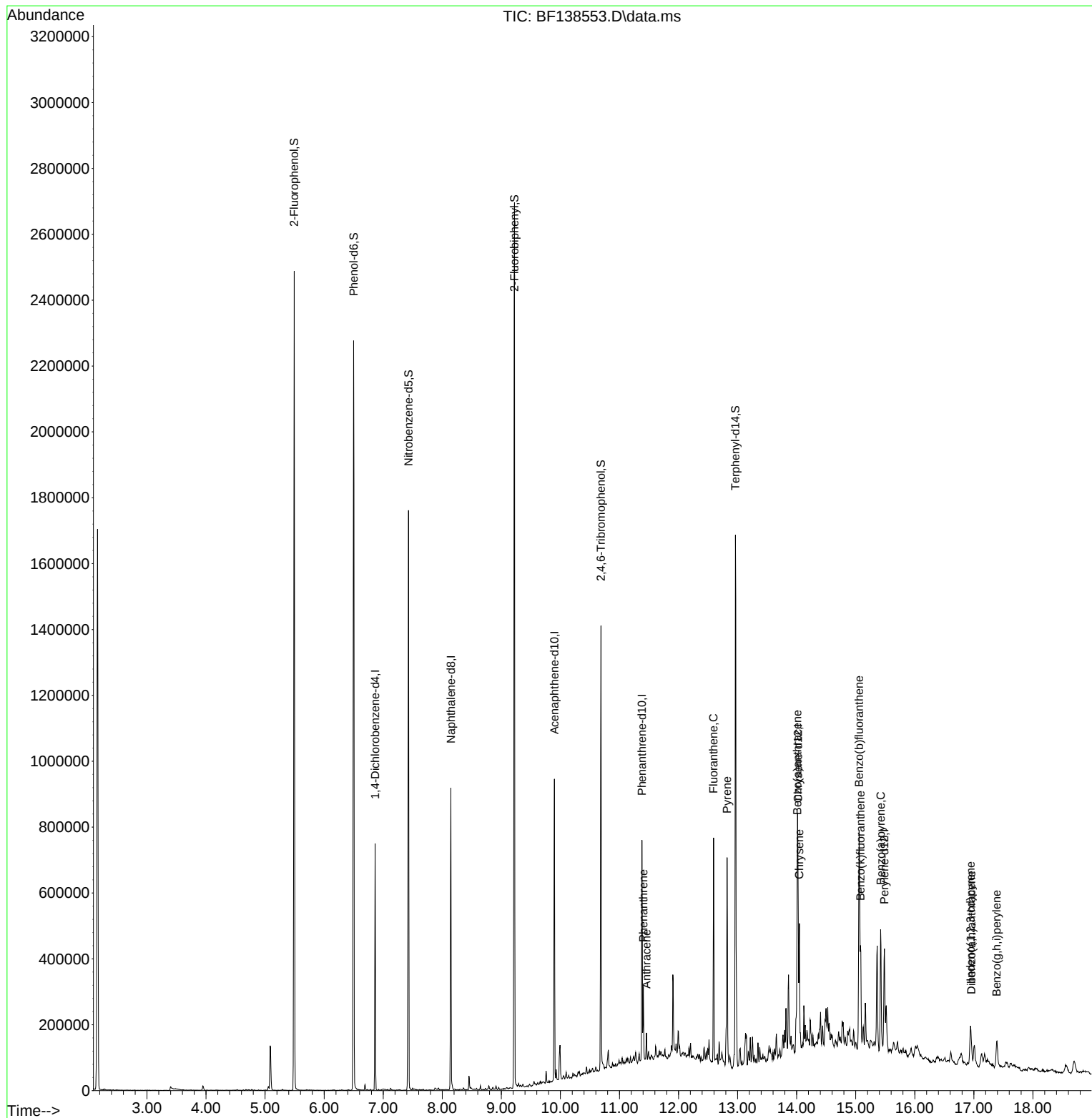
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Data File : BF138553.D
Acq On : 12 Jul 2024 18:36
Operator : CG\JU
Sample : P3186-01
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ALS Vial : 15 Sample Multiplier: 1

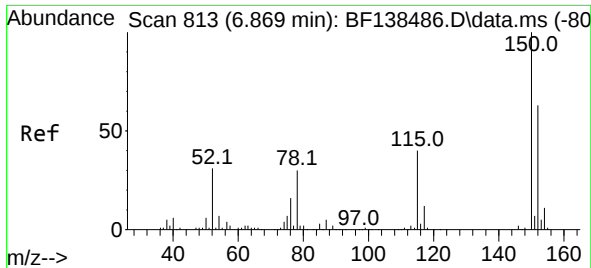
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Quant Time: Jul 12 23:13:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
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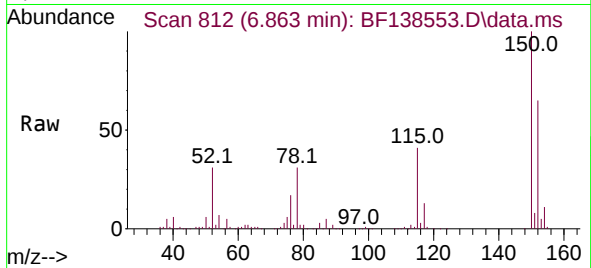
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

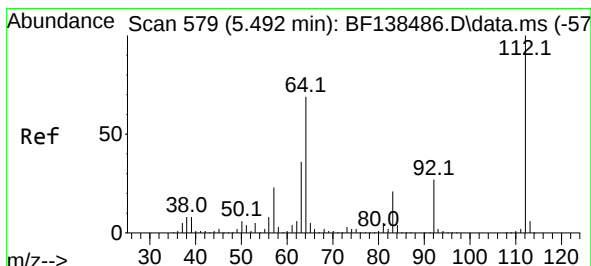
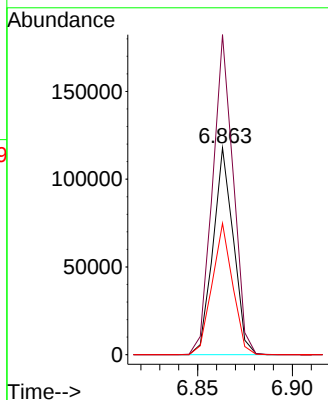
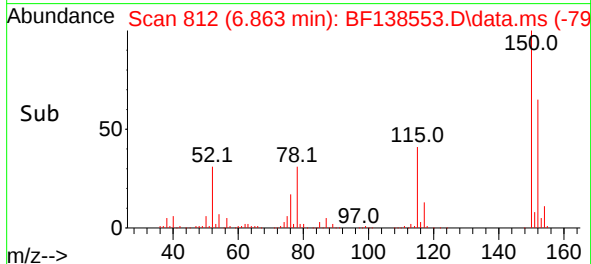
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion:152 Resp: 88399
Ion Ratio Lower Upper
152 100
150 154.7 126.2 189.4
115 63.5 50.3 75.5

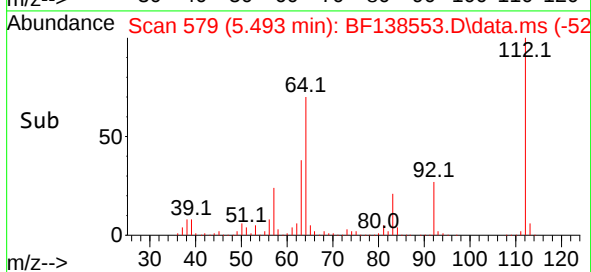
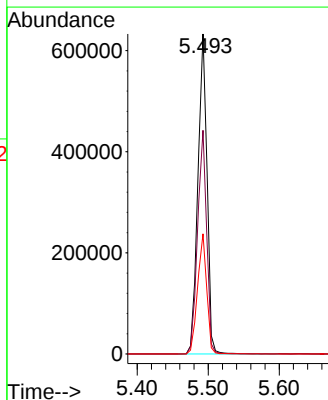
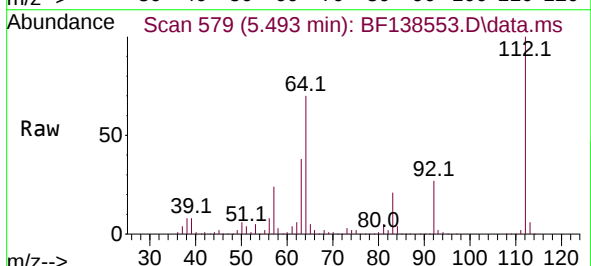
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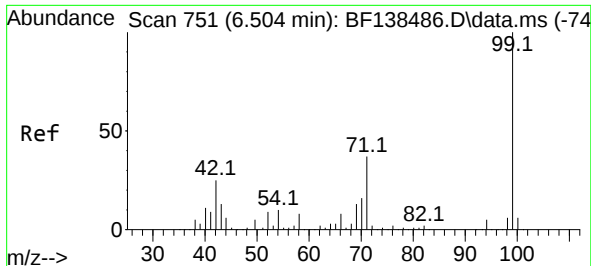
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#5
2-Fluorophenol
Concen: 101.750 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

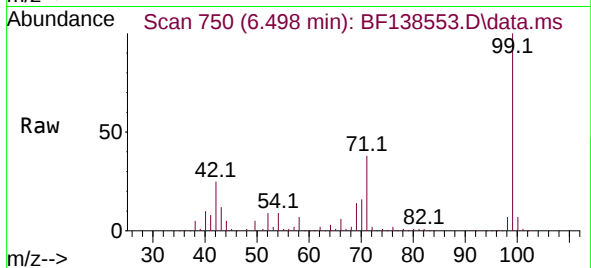
Tgt Ion:112 Resp: 567927
Ion Ratio Lower Upper
112 100
64 69.9 55.1 82.7
63 37.5 29.0 43.6





#7
Phenol-d6
Concen: 101.502 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

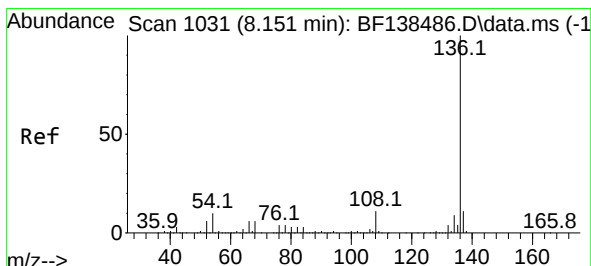
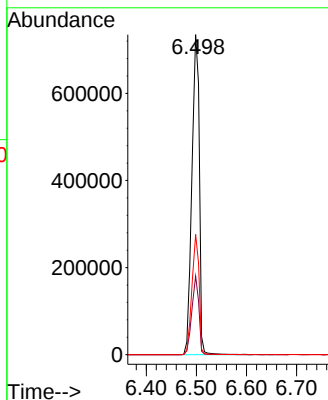
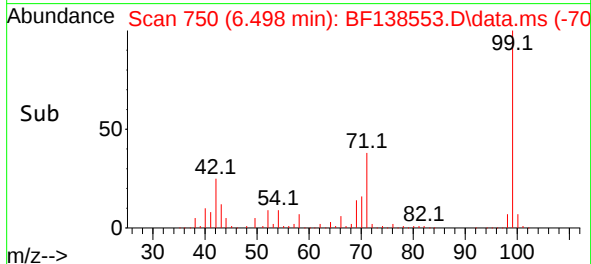
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion: 99 Resp: 753670
Ion Ratio Lower Upper
99 100
42 24.6 19.7 29.5
71 37.6 29.9 44.9

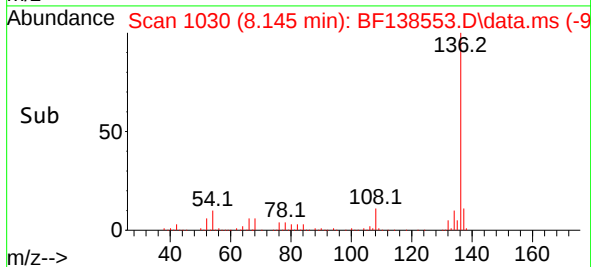
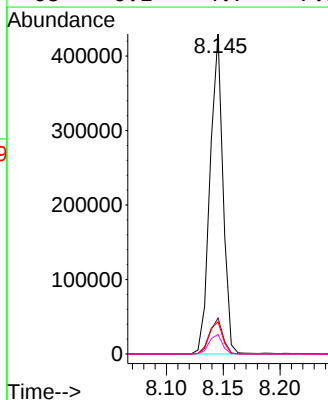
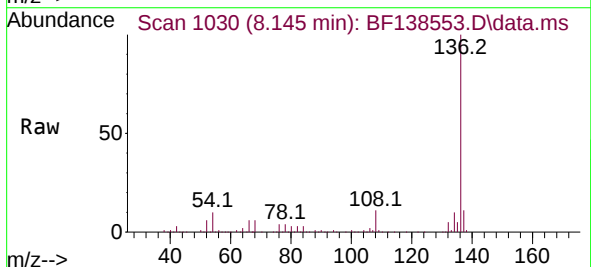
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Tgt Ion:136 Resp: 339793
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 10.1 8.1 12.1
68 6.1 4.7 7.1





#23

Nitrobenzene-d5

Concen: 70.637 ng

RT: 7.428 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF138553.D

Acq: 12 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

WC-4

Tgt Ion: 82 Resp: 48886

Ion Ratio Lower Upper

82 100

128 41.8 32.3 48.5

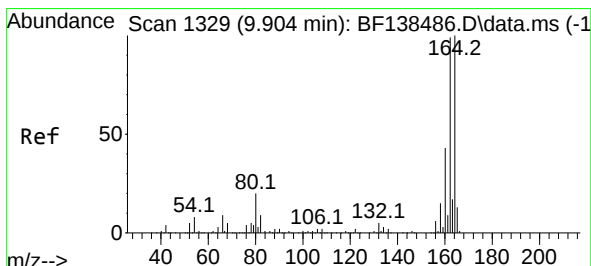
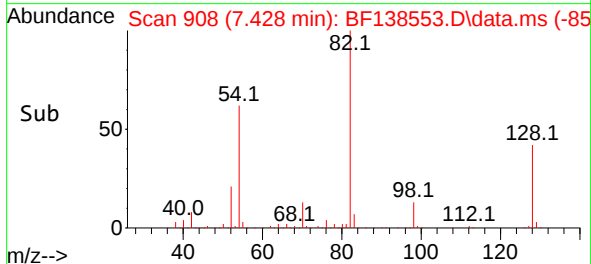
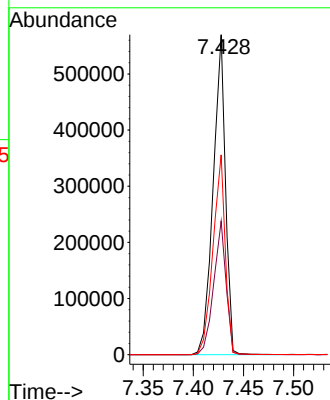
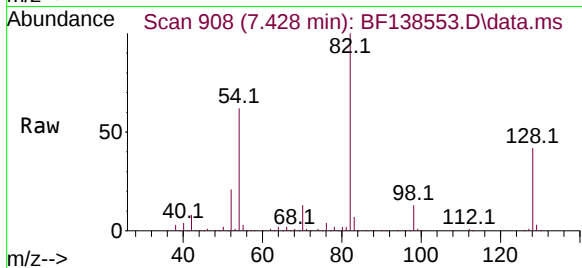
54 62.5 51.4 77.0

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Supervised By :mohammad ahmed 07/19/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.006 min

Lab File: BF138553.D

Acq: 12 Jul 2024 18:36

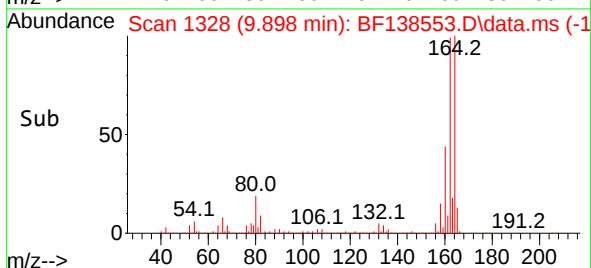
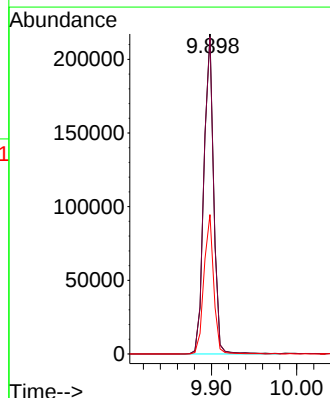
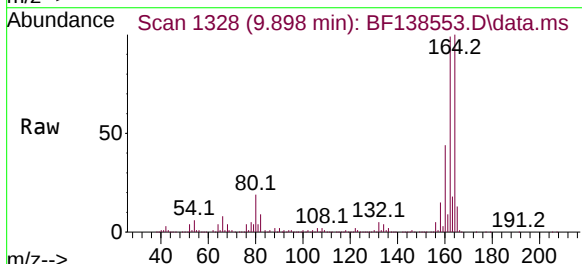
Tgt Ion:164 Resp: 172145

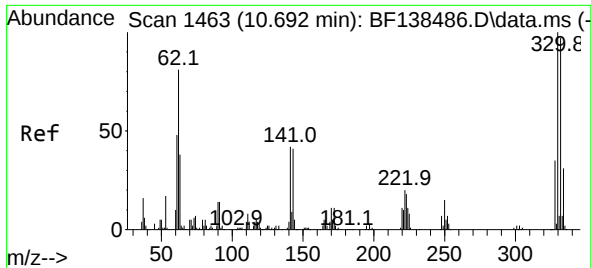
Ion Ratio Lower Upper

164 100

162 99.1 79.0 118.6

160 43.6 34.4 51.6





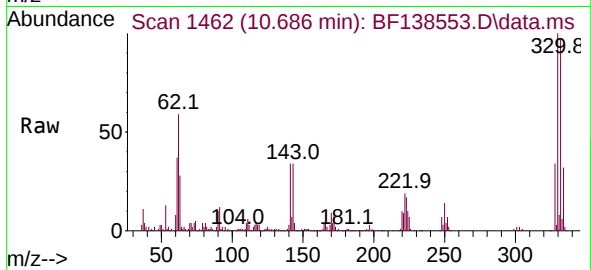
#42
2,4,6-Tribromophenol
Concen: 84.971 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

WC-4



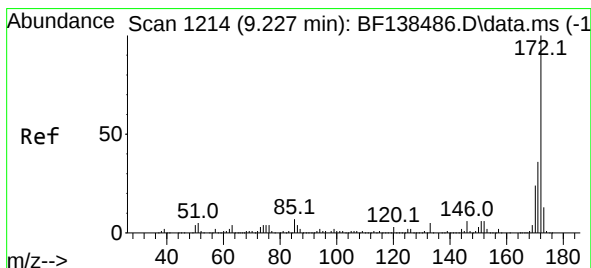
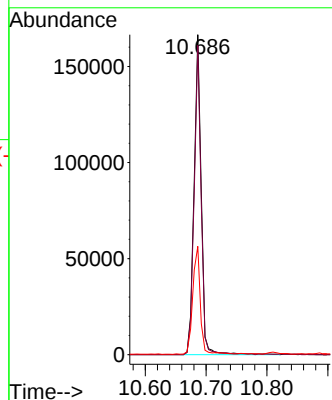
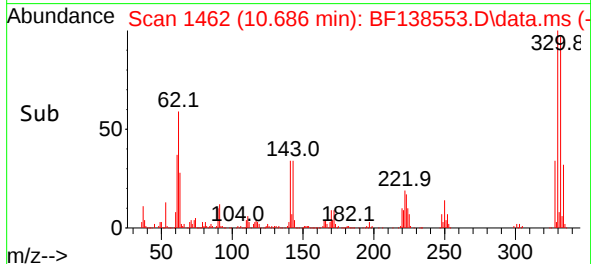
Tgt Ion:330 Resp: 13670
Ion Ratio Lower Upper
330 100
332 93.7 76.8 115.2
141 35.7 29.4 44.2

Manual Integrations

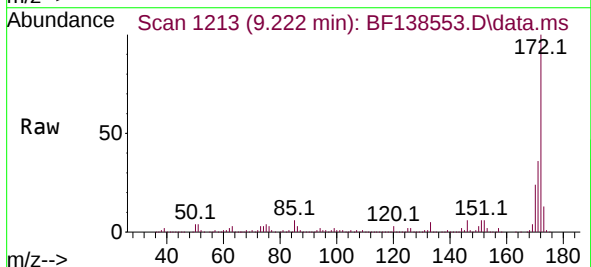
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Reviewed By :Yogesh Patel 07/13/2024

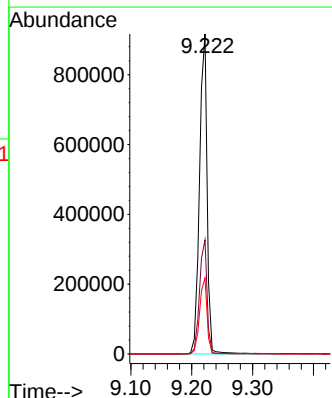
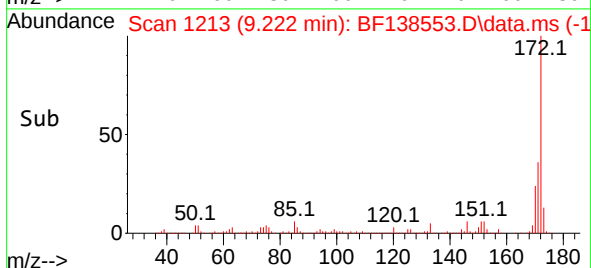
Supervised By :mohammad ahmed 07/19/2024

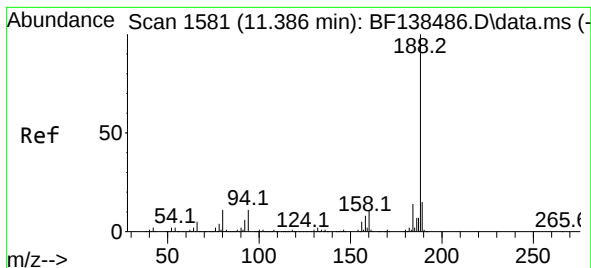


#45
2-Fluorobiphenyl
Concen: 72.498 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36



Tgt Ion:172 Resp: 798528
Ion Ratio Lower Upper
172 100
171 35.7 28.9 43.3
170 23.8 18.9 28.3





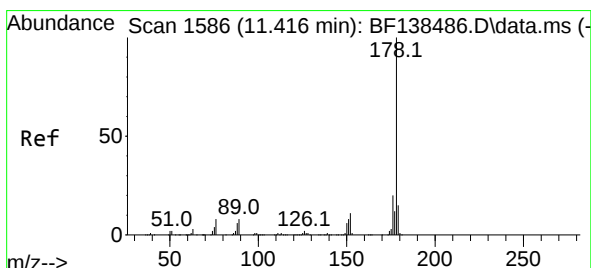
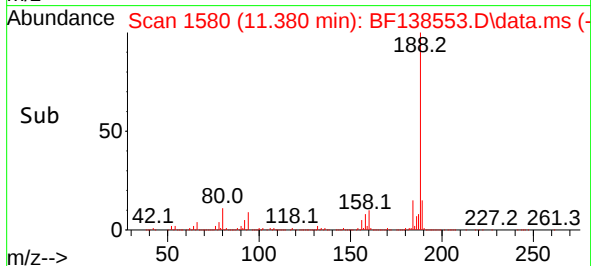
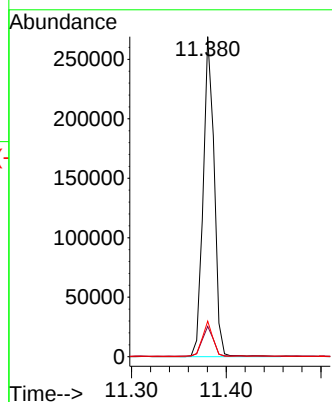
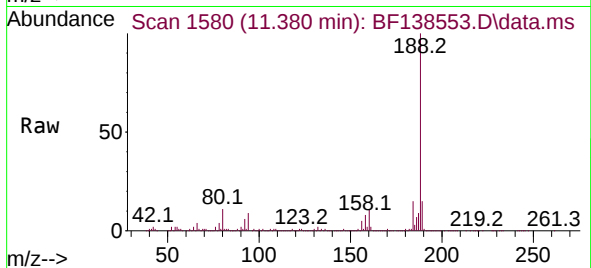
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:188 Resp: 21905
Ion Ratio Lower Upper
188 100
94 9.4 8.7 13.1
80 11.1 9.0 13.4

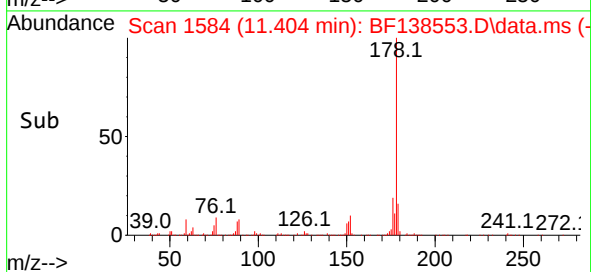
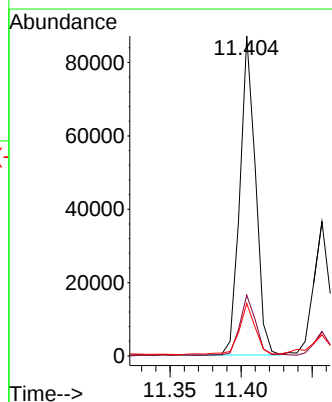
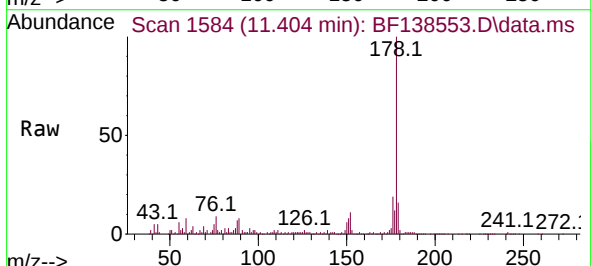
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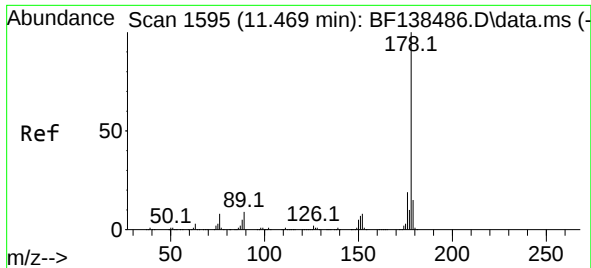
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#71
Phenanthrene
Concen: 6.025 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Tgt Ion:178 Resp: 66682
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 16.4 12.2 18.2





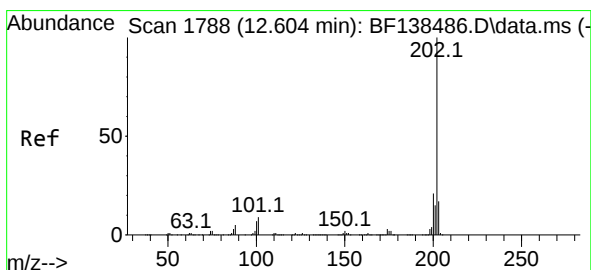
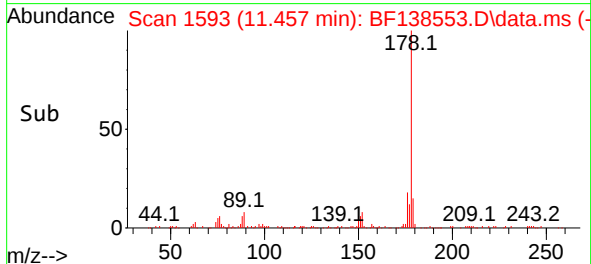
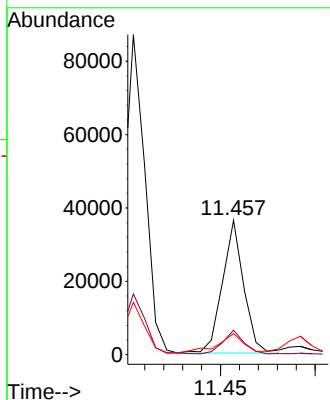
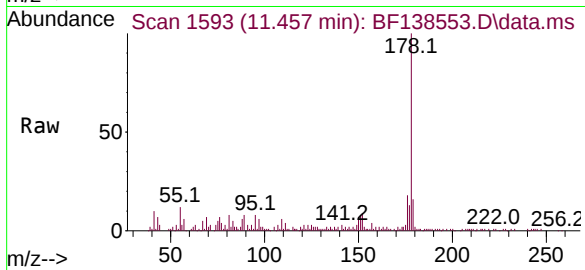
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 Anthracene
 Concen: 2.589 ng
 RT: 11.457 min Scan# 1595
 Delta R.T. -0.012 min
 Lab File: BF138553.D
 Acq: 12 Jul 2024 18:36

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Tgt Ion:178 Resp: 2844
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.8 22.2
 179 15.7 12.2 18.4

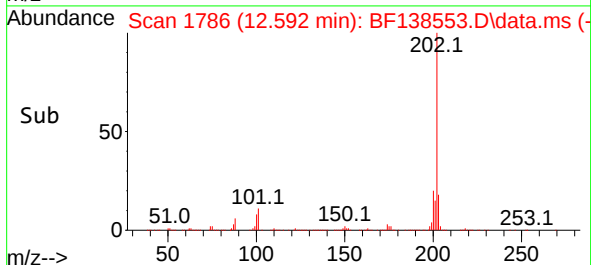
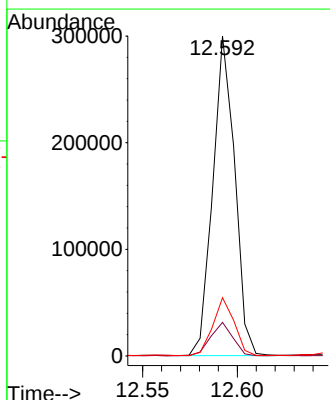
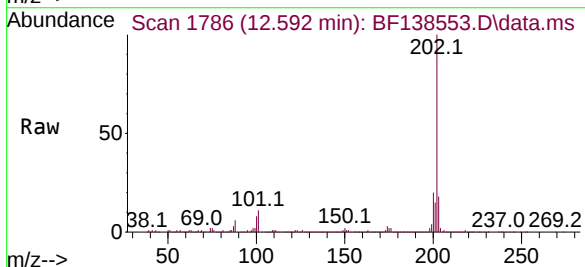
Manual Integrations
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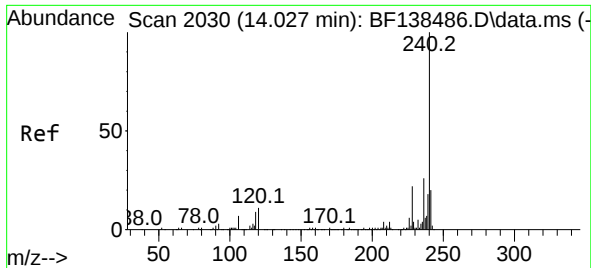
Reviewed By :Yogesh Patel 07/13/2024
 Supervised By :mohammad ahmed 07/19/2024



#75
 Fluoranthene
 Concen: 21.406 ng
 RT: 12.592 min Scan# 1786
 Delta R.T. -0.012 min
 Lab File: BF138553.D
 Acq: 12 Jul 2024 18:36

Tgt Ion:202 Resp: 241728
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 29.2
 203 18.2 0.0 37.3





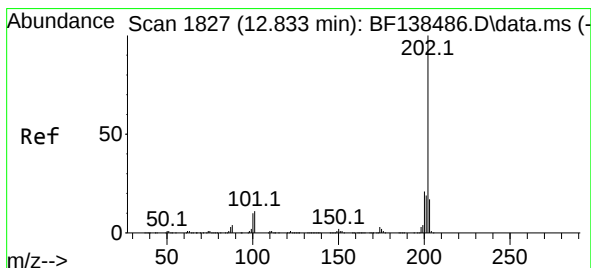
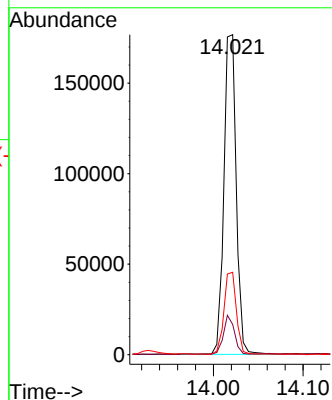
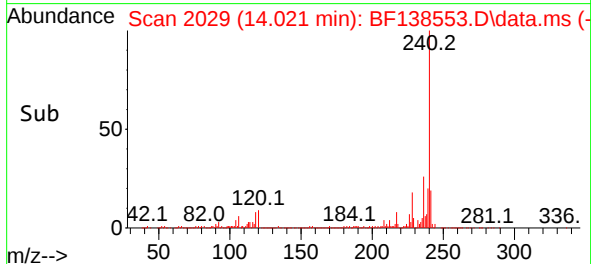
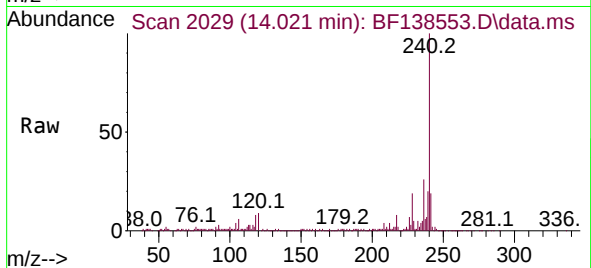
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:240 Resp: 16871
Ion Ratio Lower Upper
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120 9.4 8.6 12.8
236 25.7 21.0 31.6

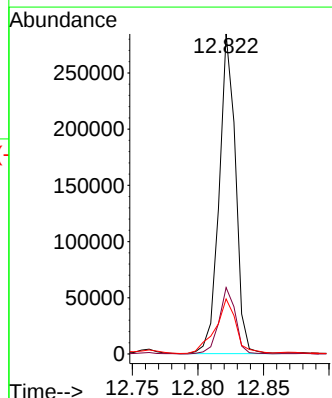
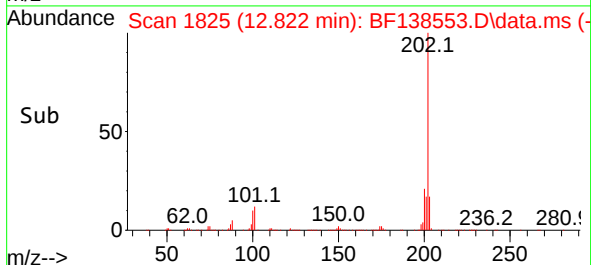
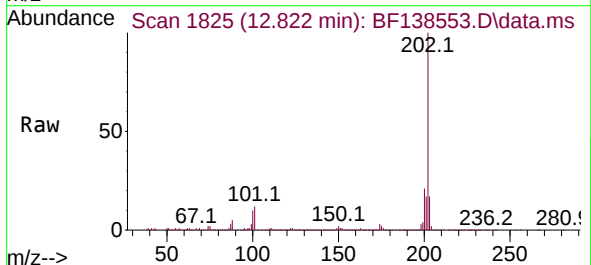
Manual Integrations
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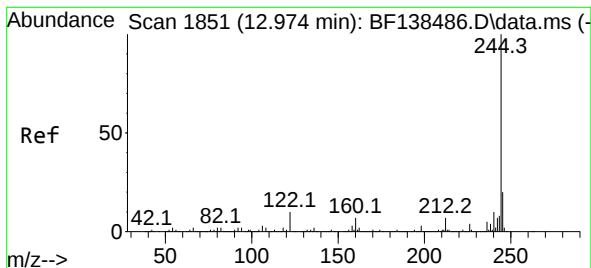
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#78
Pyrene
Concen: 14.377 ng
RT: 12.822 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Tgt Ion:202 Resp: 246238
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.6
203 17.2 13.7 20.5





#79

Terphenyl-d14

Concen: 51.703 ng

RT: 12.963 min Scan# 1849

Delta R.T. -0.012 min

Lab File: BF138553.D

Acq: 12 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

WC-4

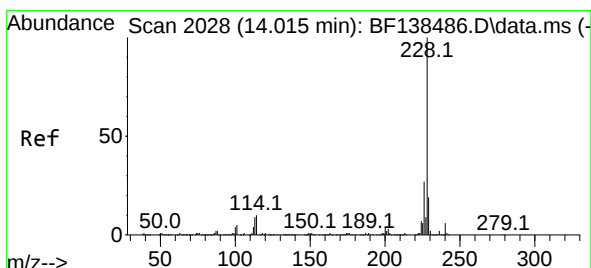
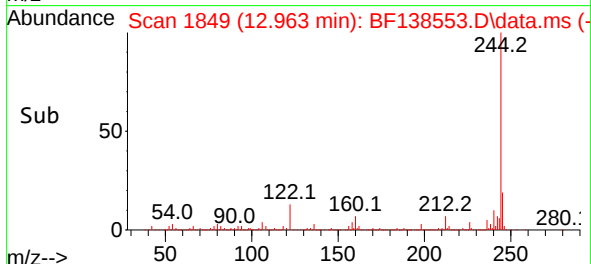
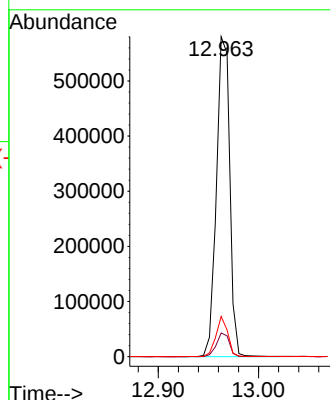
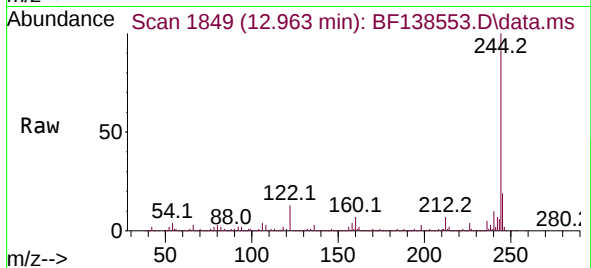
Tgt Ion:244 Resp: 535449
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.5 8.3
 122 12.5 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#81

Benzo(a)anthracene

Concen: 13.566 ng

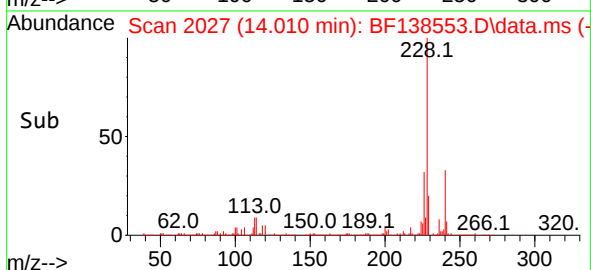
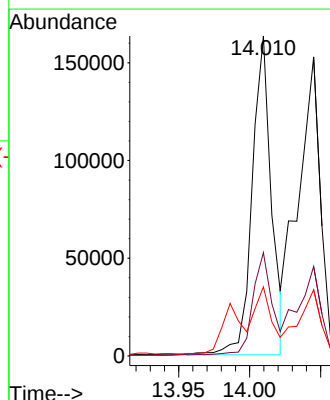
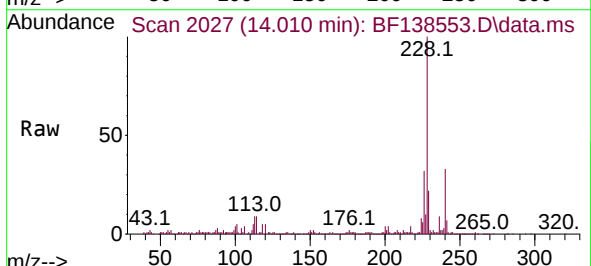
RT: 14.010 min Scan# 2027

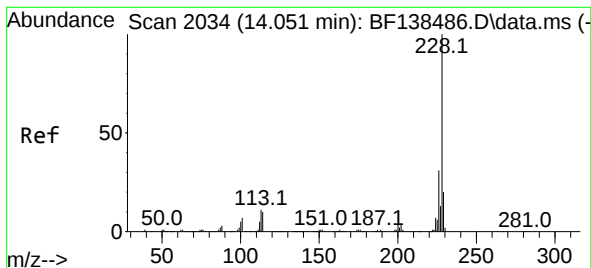
Delta R.T. -0.006 min

Lab File: BF138553.D

Acq: 12 Jul 2024 18:36

Tgt Ion:228 Resp: 153573
 Ion Ratio Lower Upper
 228 100
 226 32.3 21.9 32.9
 229 21.6 15.5 23.3





#83

Chrysene

Concen: 15.881 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138553.D

Acq: 12 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

WC-4

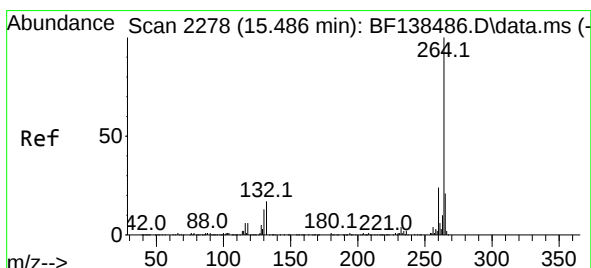
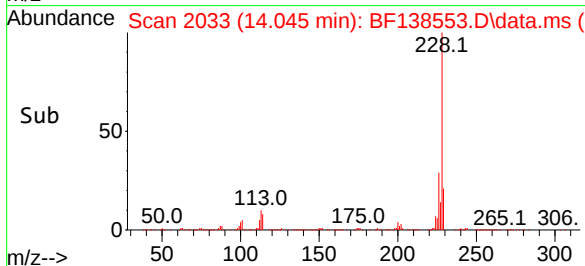
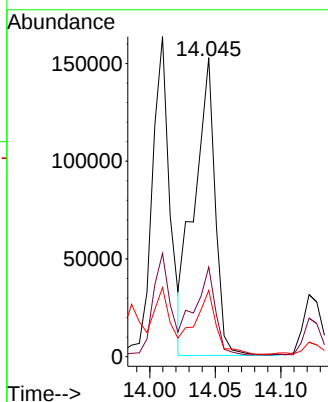
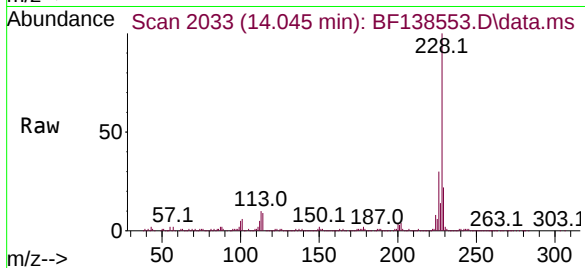
Tgt Ion:	228	Resp:	170074
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.4	36.6
229	22.2	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#86

Perylene-d12

Concen: 20.000 ng

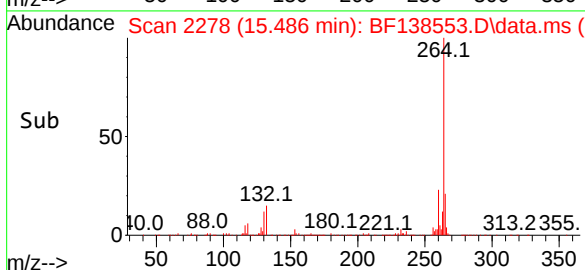
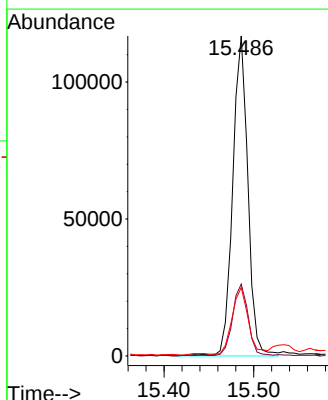
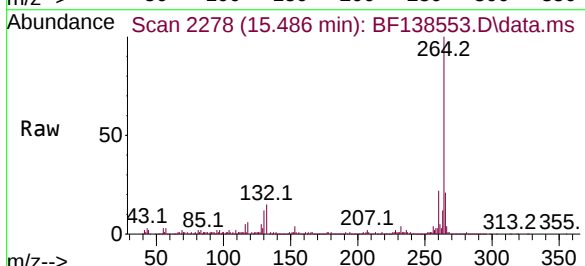
RT: 15.486 min Scan# 2278

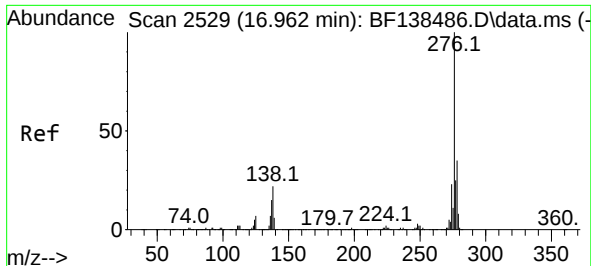
Delta R.T. 0.000 min

Lab File: BF138553.D

Acq: 12 Jul 2024 18:36

Tgt Ion:	264	Resp:	137046
Ion Ratio	Lower	Upper	
264	100		
260	22.5	19.0	28.6
265	21.4	17.0	25.4





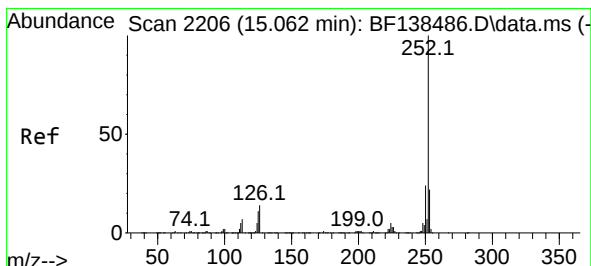
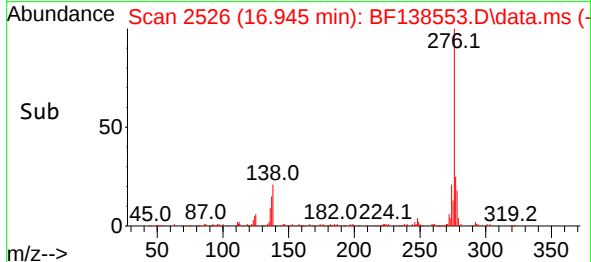
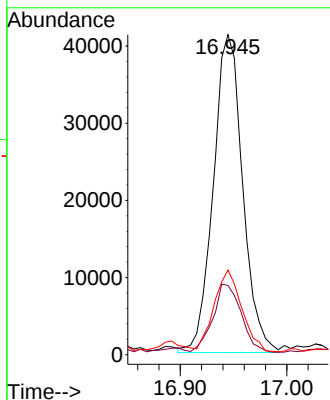
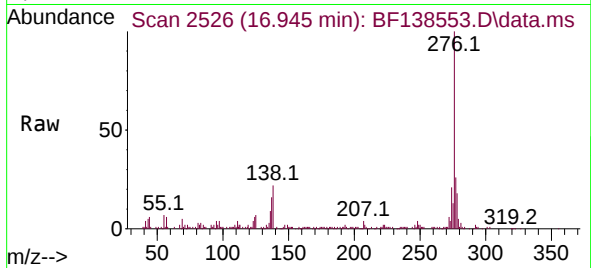
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.563 ng
RT: 16.945 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:276 Resp: 78830
Ion Ratio Lower Upper
276 100
138 20.9 19.6 29.4
277 24.1 20.5 30.7

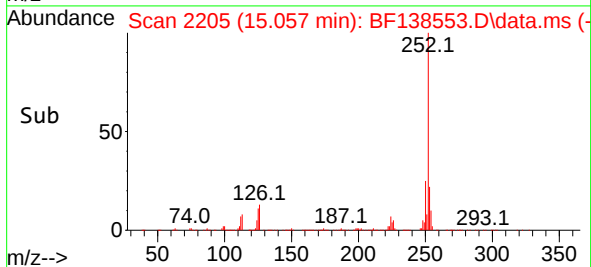
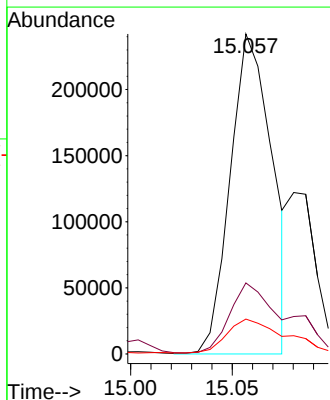
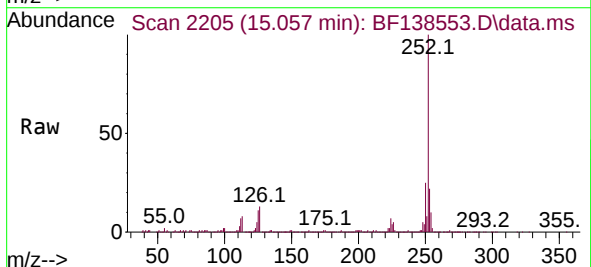
Manual Integrations
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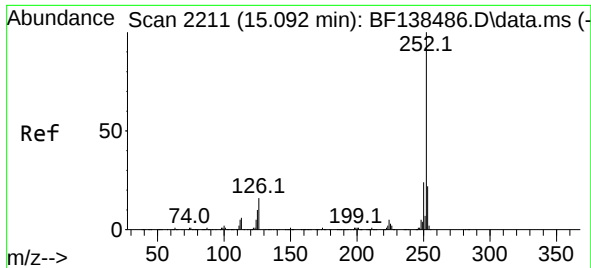
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#88
Benzo(b)fluoranthene
Concen: 44.976 ng m
RT: 15.057 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

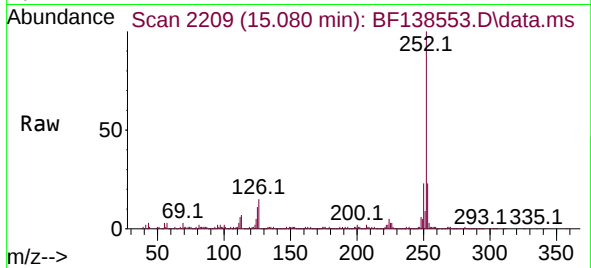
Tgt Ion:252 Resp: 347125
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 10.9 8.6 13.0





#89
Benzo(k)fluoranthene
Concen: 15.118 ng m
RT: 15.080 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

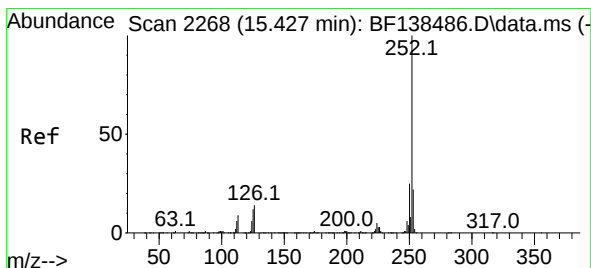
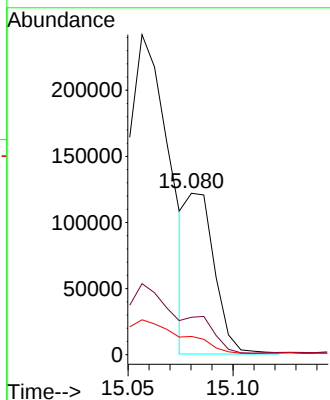
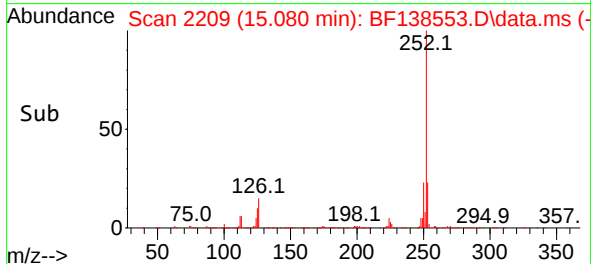
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion:252 Resp: 113798
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 11.3 8.1 12.1

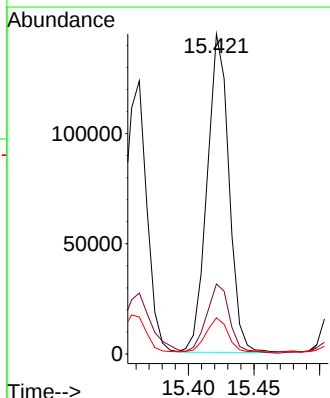
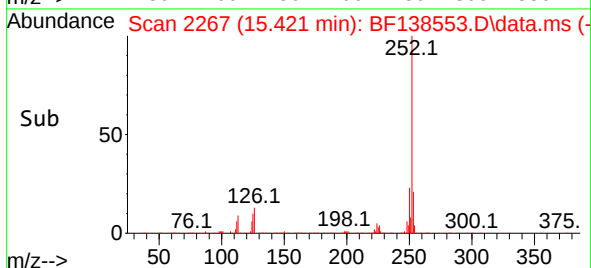
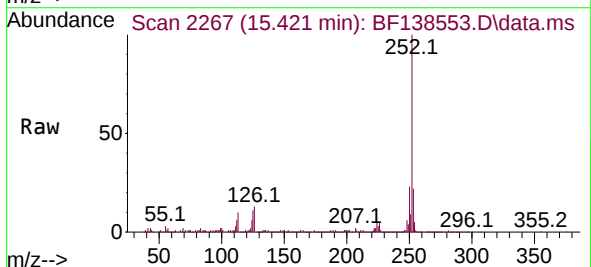
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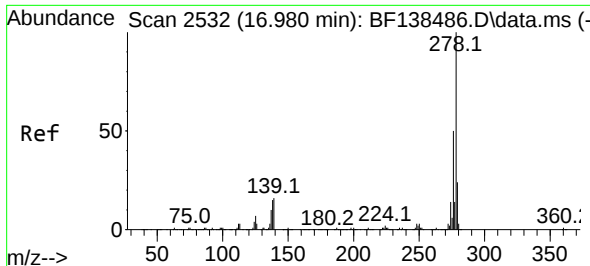
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#90
Benzo(a)pyrene
Concen: 24.758 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Tgt Ion:252 Resp: 167856
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 11.3 9.4 14.2





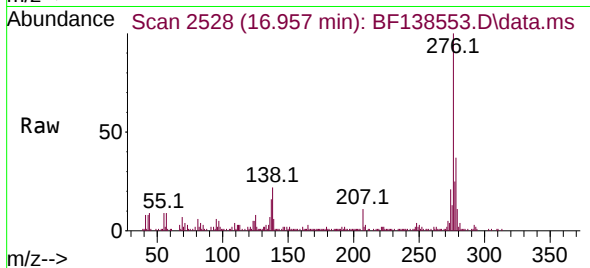
#91
Dibenzo(a,h)anthracene
Concen: 2.633 ng m
RT: 16.957 min Scan# 2532
Delta R.T. -0.023 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

WC-4

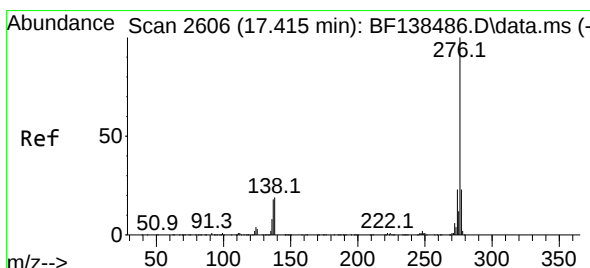
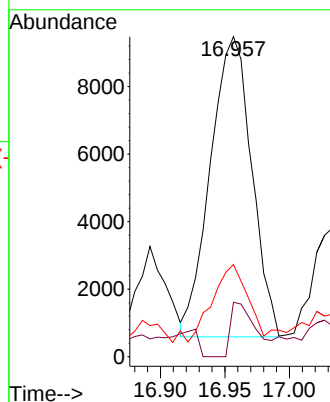
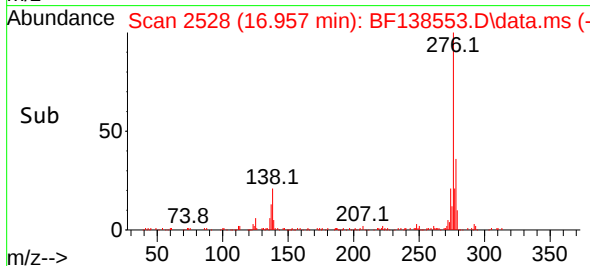


Tgt Ion:278 Resp: 19824
Ion Ratio Lower Upper
278 100
139 17.0 12.8 19.2
279 28.8 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#92
Benzo(g,h,i)perylene
Concen: 8.205 ng
RT: 17.386 min Scan# 2601
Delta R.T. -0.029 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Tgt Ion:276 Resp: 65513
Ion Ratio Lower Upper
276 100
277 23.6 18.0 27.0
138 20.9 15.5 23.3

