

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070824\
 Data File : BF138480.D
 Acq On : 08 Jul 2024 14:25
 Operator : CG\JU
 Sample : P3166-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-070324

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/09/2024
 Supervised By :mohammad ahmed 07/09/2024

Quant Time: Jul 08 14:46:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	124438	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	439564	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	185547	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	255305	20.000	ng	0.00
76) Chrysene-d12	14.033	240	158997	20.000	ng	0.00
86) Perylene-d12	15.509	264	126030	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	795389	105.974	ng	0.00
7) Phenol-d6	6.510	99	1062601	105.097	ng	0.00
23) Nitrobenzene-d5	7.439	82	685754	81.042	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	150056	98.985	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	996405	85.463	ng	0.00
79) Terphenyl-d14	12.986	244	758454	65.372	ng	0.00
Target Compounds					Qvalue	
71) Phenanthrene	11.422	178	43429	3.484	ng	# 94
75) Fluoranthene	12.610	202	133032	11.904	ng	100
78) Pyrene	12.839	202	135596	7.979	ng	97
81) Benzo(a)anthracene	14.027	228	54004	5.277	ng	# 90
83) Chrysene	14.063	228	59217	5.947	ng	# 92
84) Bis(2-ethylhexyl)phtha...	14.010	149	19320	2.979	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.974	276	29043	4.586	ng	100
88) Benzo(b)fluoranthene	15.074	252	62982m	9.108	ng	
89) Benzo(k)fluoranthene	15.104	252	15463m	2.428	ng	
90) Benzo(a)pyrene	15.445	252	38250	6.311	ng	# 92
92) Benzo(g,h,i)perylene	17.427	276	28230	5.645	ng	# 94

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

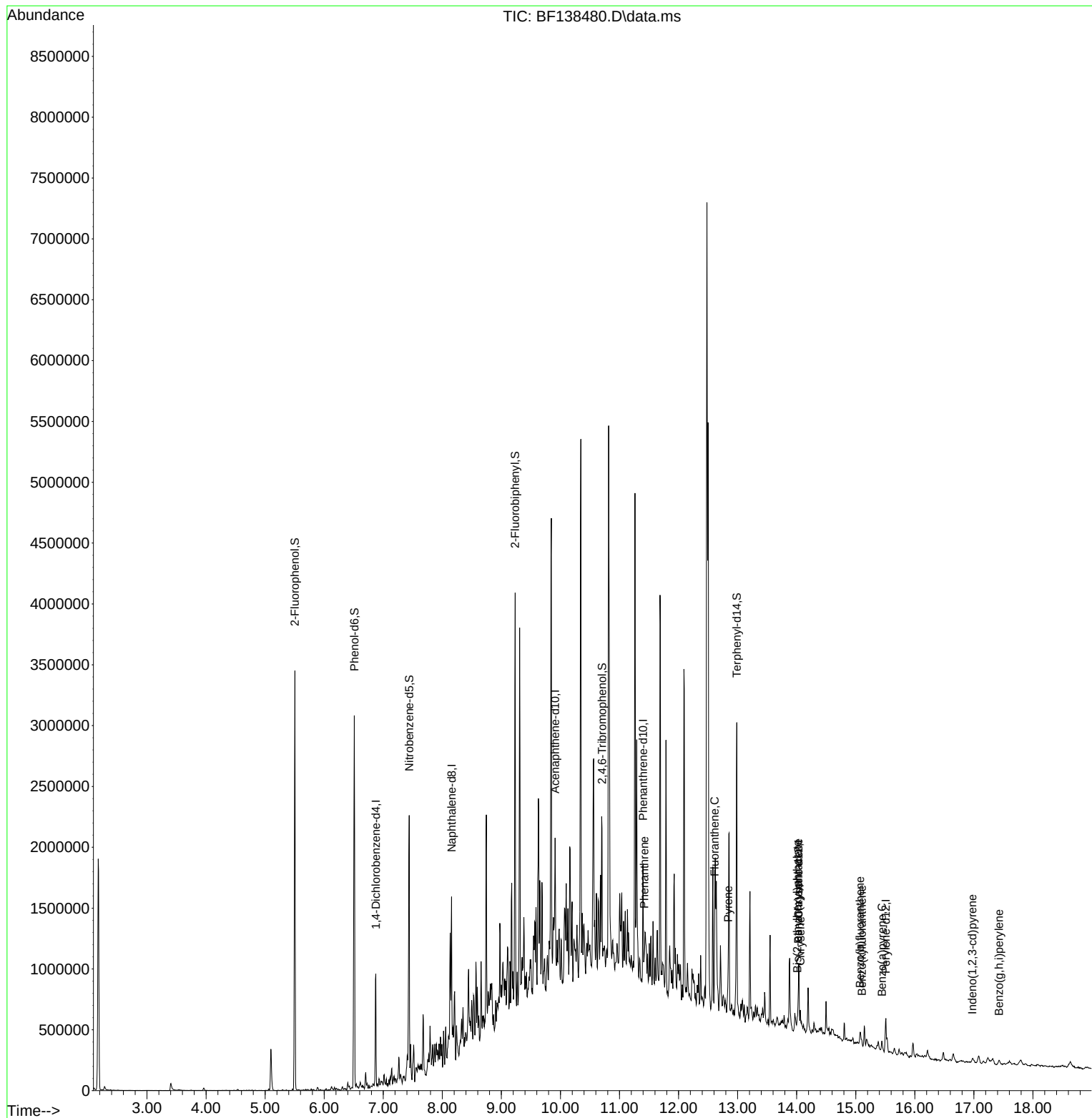
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070824\
Data File : BF138480.D
Acq On : 08 Jul 2024 14:25
Operator : CG\JU
Sample : P3166-01
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ALS Vial : 4 Sample Multiplier: 1

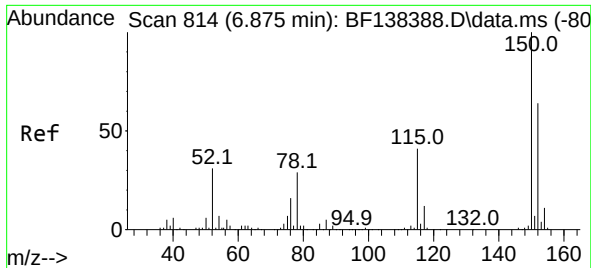
Instrument :
BNA_F
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NB-08-070324

Quant Time: Jul 08 14:46:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
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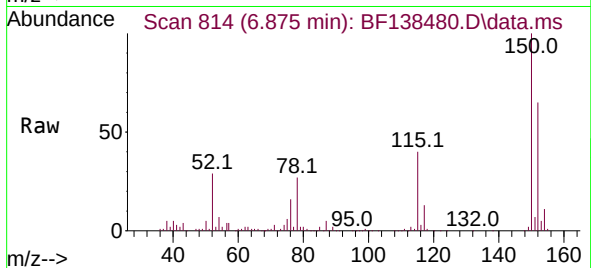
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

NB-08-070324



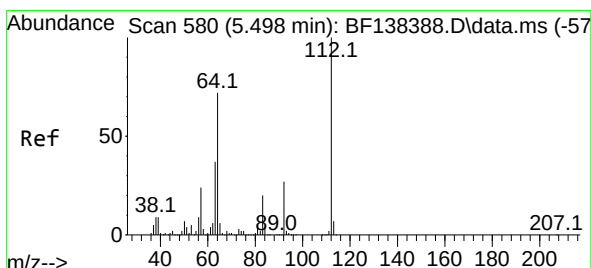
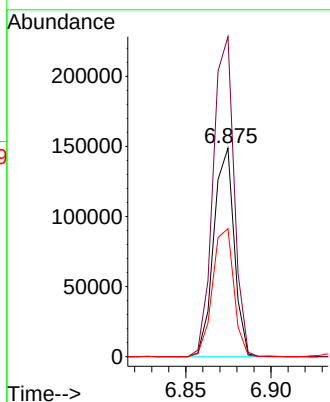
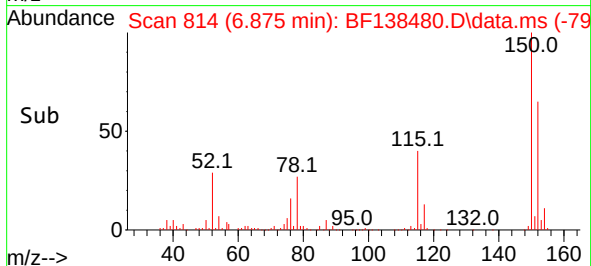
Tgt Ion:152 Resp: 124438
Ion Ratio Lower Upper
152 100
150 153.5 124.9 187.3
115 61.4 50.8 76.2

Manual Integrations

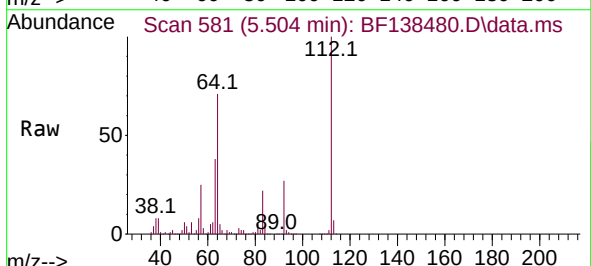
APPROVED

Reviewed By :Yogesh Patel 07/09/2024

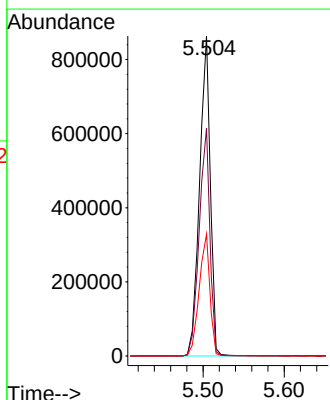
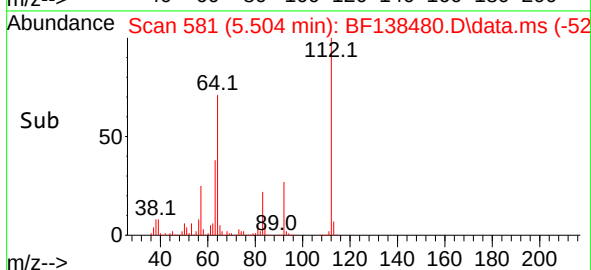
Supervised By :mohammad ahmed 07/09/2024

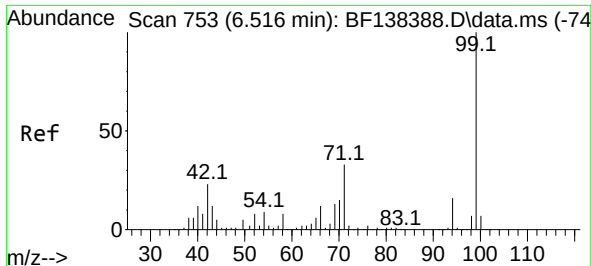


#5
2-Fluorophenol
Concen: 105.974 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25



Tgt Ion:112 Resp: 795389
Ion Ratio Lower Upper
112 100
64 71.2 57.2 85.8
63 38.1 29.4 44.0





#7
Phenol-d6
Concen: 105.097 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

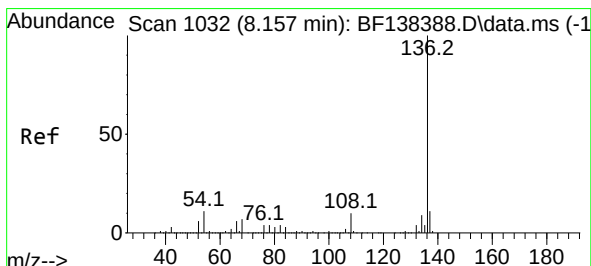
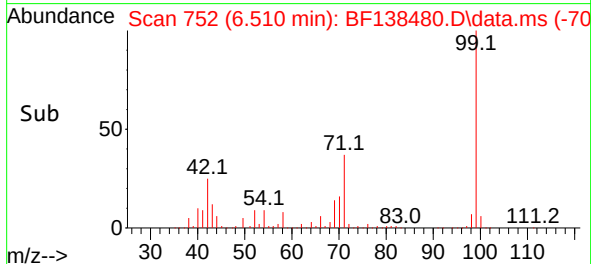
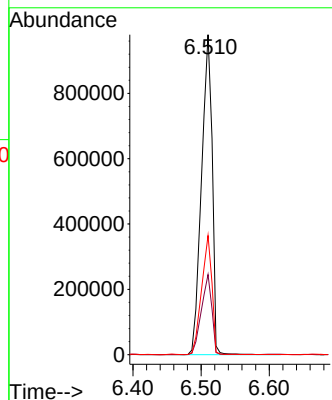
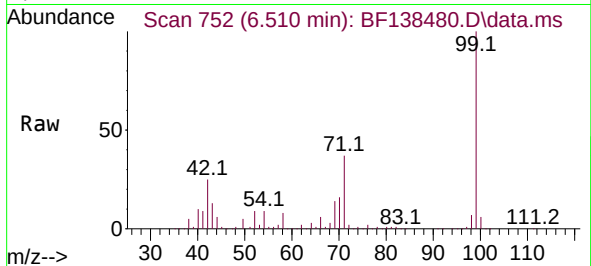
NB-08-070324

Tgt Ion: 99 Resp: 106260
Ion Ratio Lower Upper
99 100
42 25.1 18.5 27.7
71 37.2 26.1 39.1

Manual Integrations

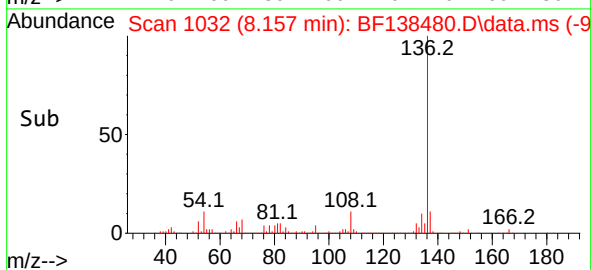
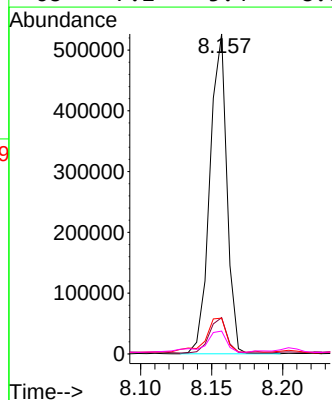
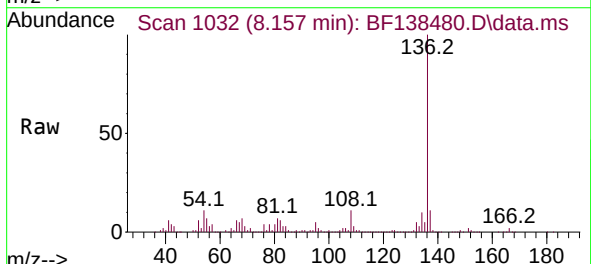
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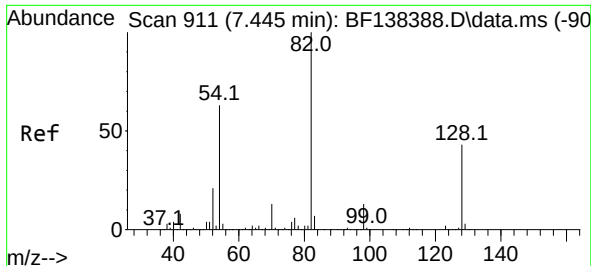
Reviewed By :Yogesh Patel 07/09/2024
Supervised By :mohammad ahmed 07/09/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Tgt Ion:136 Resp: 439564
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 11.2 9.0 13.4
68 7.2 5.4 8.0





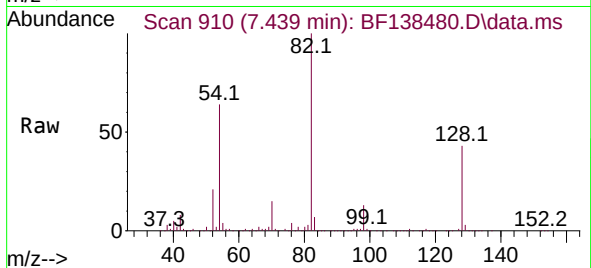
#23
Nitrobenzene-d5
Concen: 81.042 ng
RT: 7.439 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

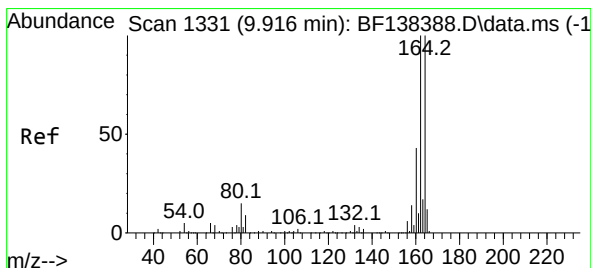
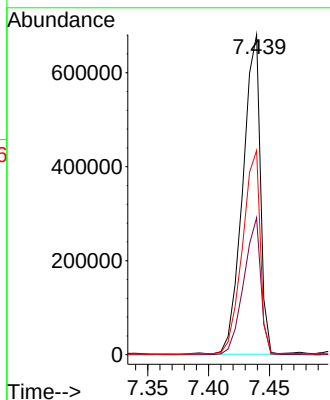
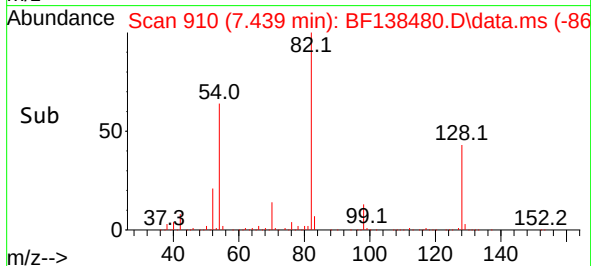
NB-08-070324



Tgt Ion: 82 Resp: 685754
Ion Ratio Lower Upper
82 100
128 42.8 34.6 52.0
54 63.8 50.5 75.7

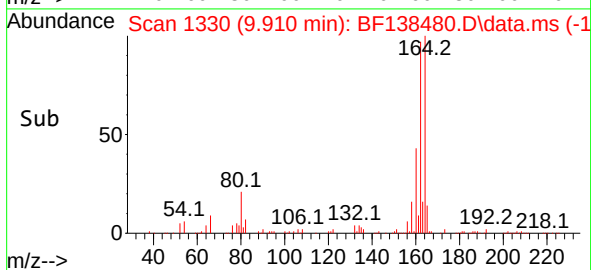
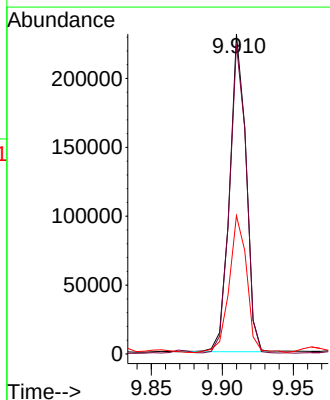
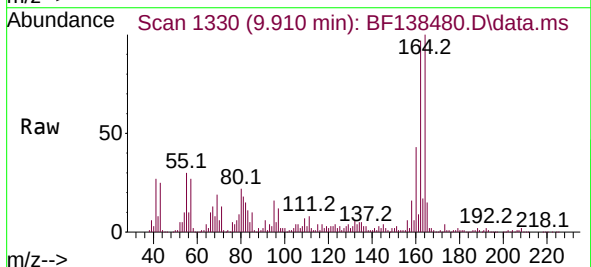
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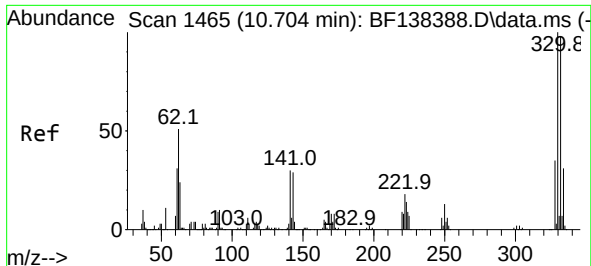
Reviewed By :Yogesh Patel 07/09/2024
Supervised By :mohammad ahmed 07/09/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Tgt Ion:164 Resp: 185547
Ion Ratio Lower Upper
164 100
162 96.7 80.1 120.1
160 43.2 34.1 51.1





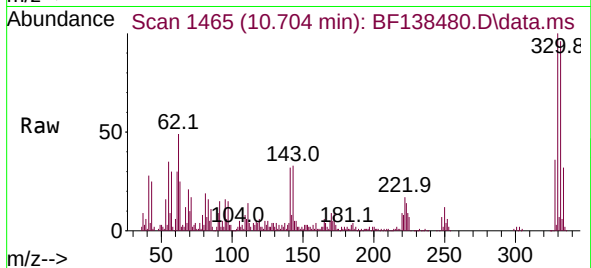
#42
2,4,6-Tribromophenol
Concen: 98.985 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

NB-08-070324



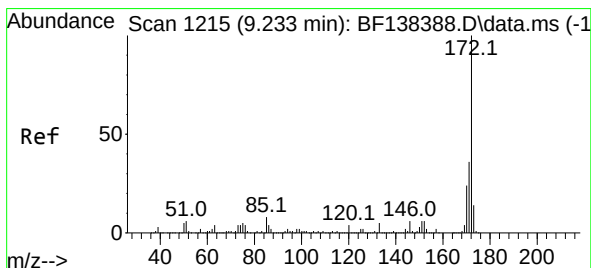
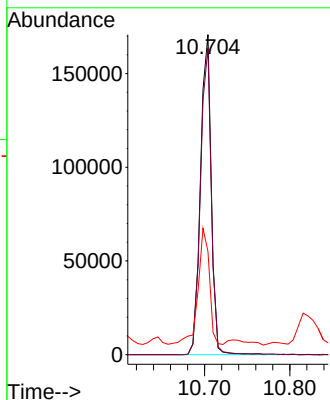
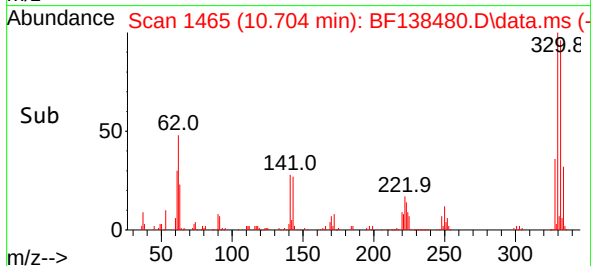
Tgt Ion:330 Resp: 150050
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 38.7 28.1 42.1

Manual Integrations

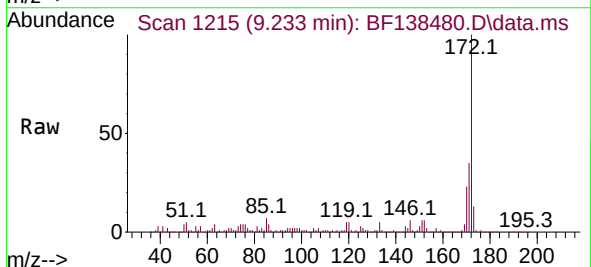
APPROVED

Reviewed By :Yogesh Patel 07/09/2024

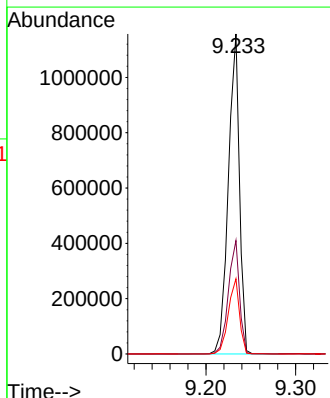
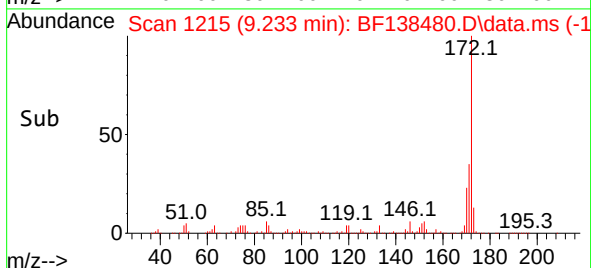
Supervised By :mohammad ahmed 07/09/2024

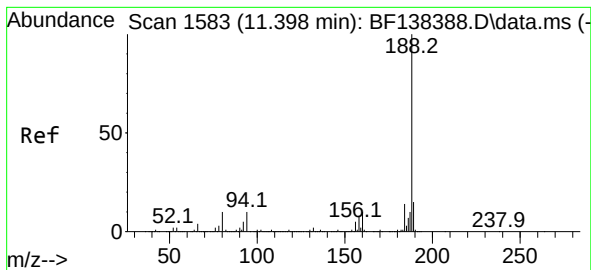


#45
2-Fluorobiphenyl
Concen: 85.463 ng
RT: 9.233 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25



Tgt Ion:172 Resp: 996405
Ion Ratio Lower Upper
172 100
171 35.5 29.0 43.4
170 23.5 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

NB-08-070324

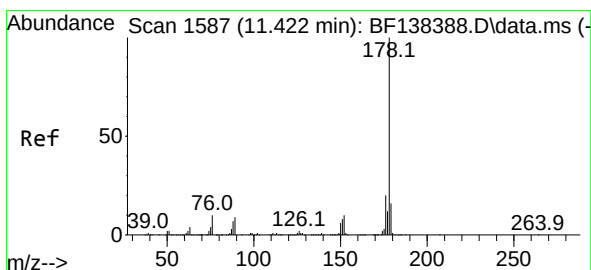
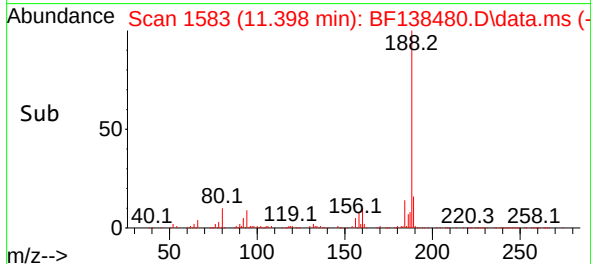
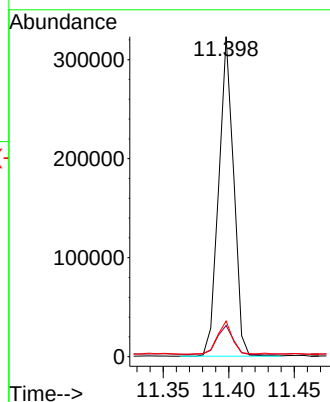
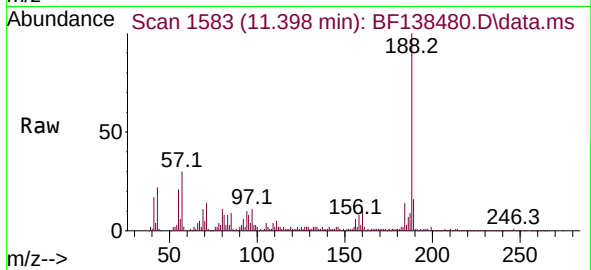
Tgt Ion:188 Resp: 25530
Ion Ratio Lower Upper
188 100
94 9.8 8.0 12.0
80 11.2 8.2 12.4

Manual Integrations

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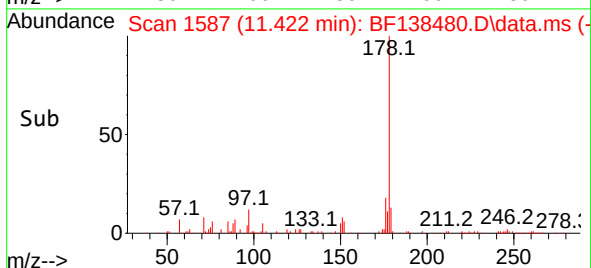
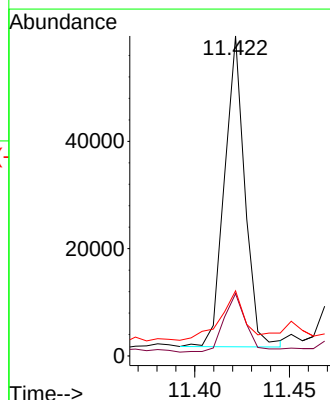
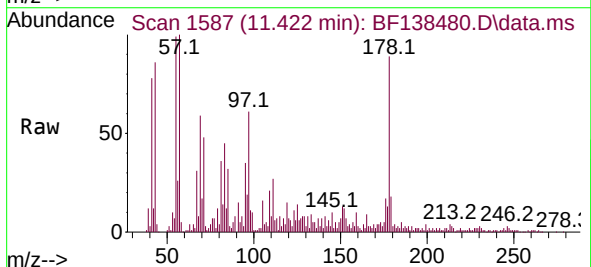
Reviewed By :Yogesh Patel 07/09/2024

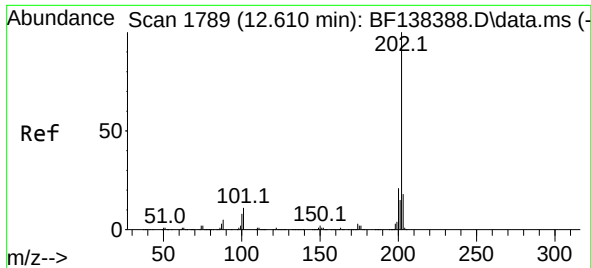
Supervised By :mohammad ahmed 07/09/2024



#71
Phenanthrene
Concen: 3.484 ng
RT: 11.422 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

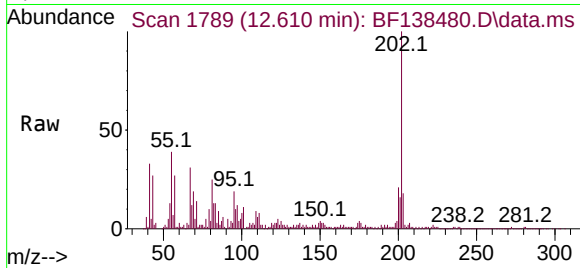
Tgt Ion:178 Resp: 43429
Ion Ratio Lower Upper
178 100
176 19.4 16.1 24.1
179 20.4 12.6 18.8#





#75
Fluoranthene
Concen: 11.904 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

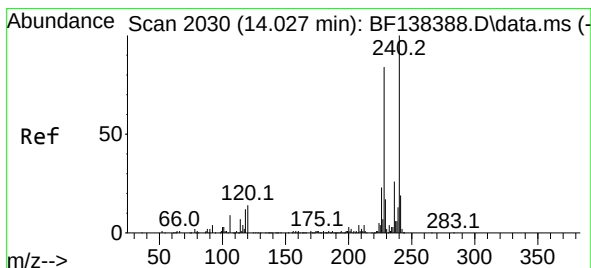
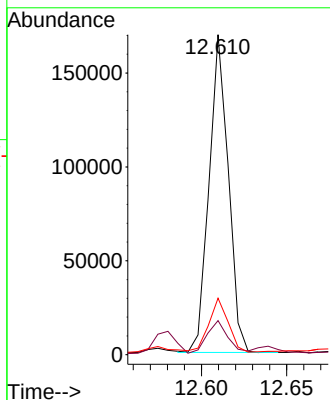
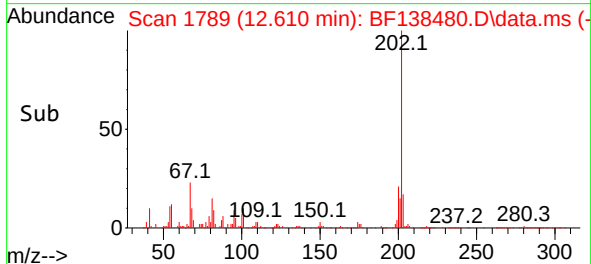
Instrument :
BNA_F
ClientSampleId :
NB-08-070324



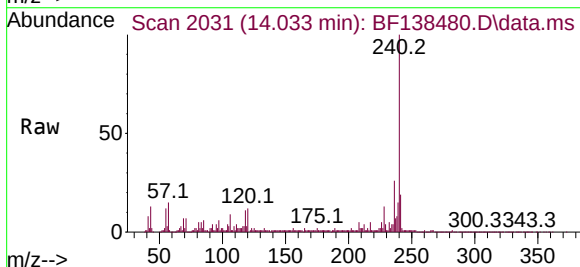
Tgt Ion:202 Resp: 133032
Ion Ratio Lower Upper
202 100
101 10.7 0.0 30.5
203 17.7 0.0 37.6

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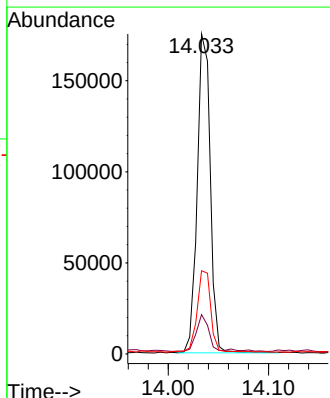
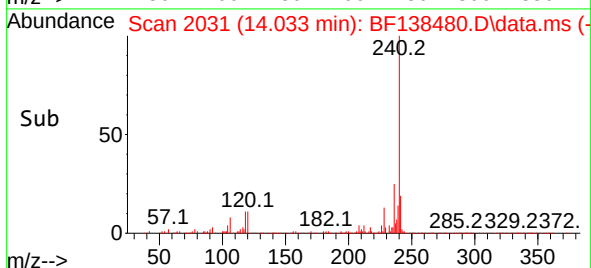
Reviewed By :Yogesh Patel 07/09/2024
Supervised By :mohammad ahmed 07/09/2024

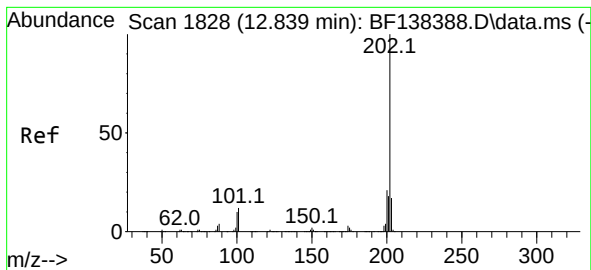


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25



Tgt Ion:240 Resp: 158997
Ion Ratio Lower Upper
240 100
120 12.3 10.9 16.3
236 26.0 20.6 30.8





#78

Pyrene

Concen: 7.979 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

NB-08-070324

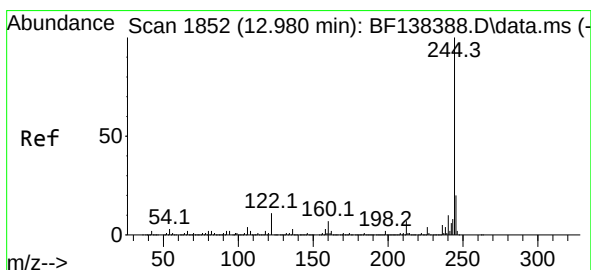
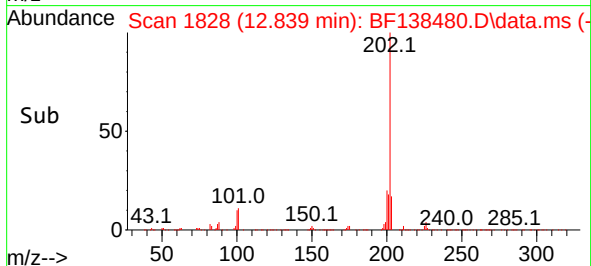
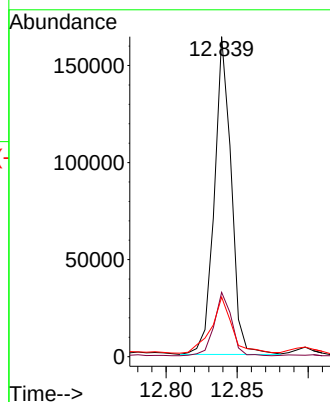
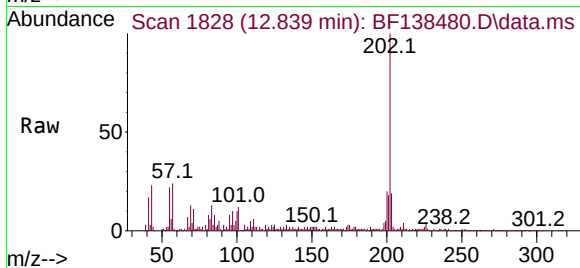
Tgt Ion:	202	Resp:	135590
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.9	25.3
203	18.6	13.8	20.8

Manual Integrations

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#79

Terphenyl-d14

Concen: 65.372 ng

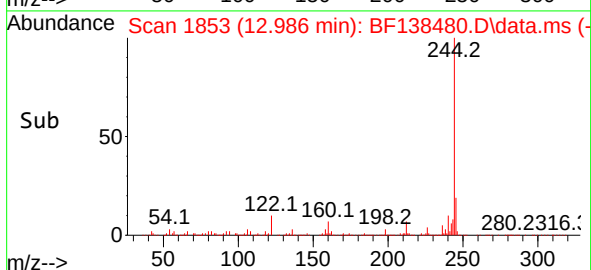
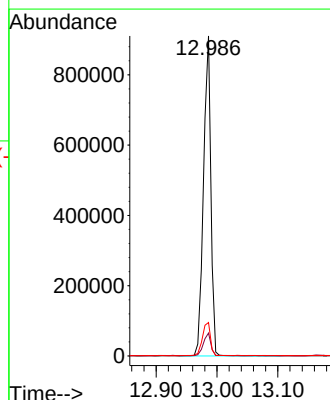
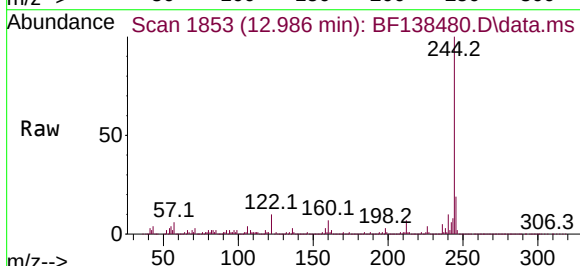
RT: 12.986 min Scan# 1853

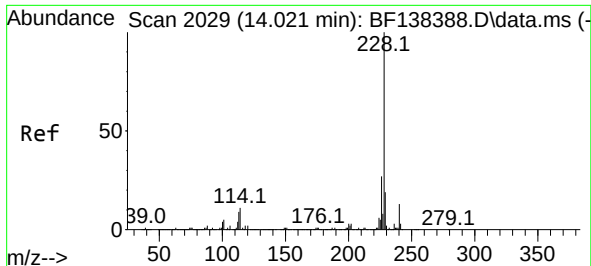
Delta R.T. 0.006 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

Tgt Ion:	244	Resp:	758454
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.6	8.4
122	10.5	9.0	13.4





#81
Benzo(a)anthracene
Concen: 5.277 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

NB-08-070324

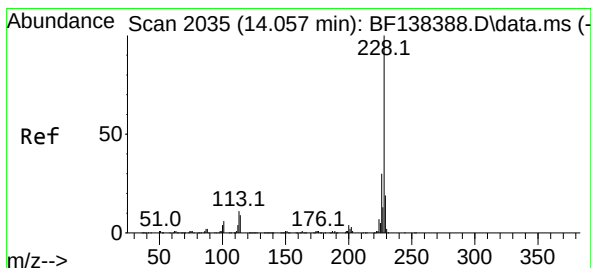
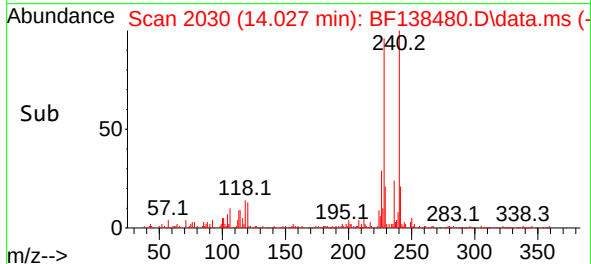
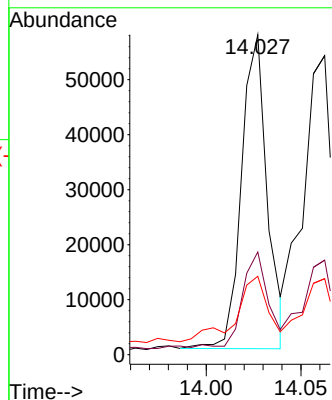
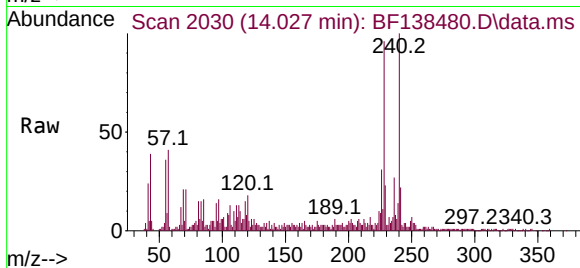
Tgt Ion:228 Resp: 54004
Ion Ratio Lower Upper
228 100
226 32.1 21.7 32.5
229 24.5 15.5 23.3

Manual Integrations

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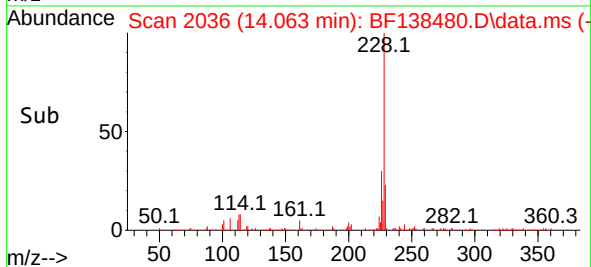
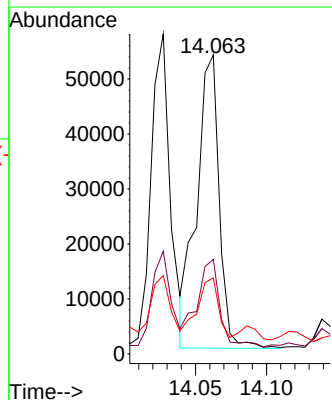
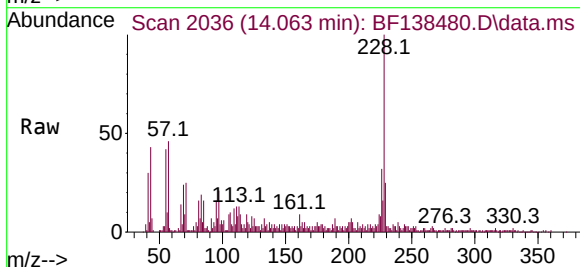
Reviewed By :Yogesh Patel 07/09/2024

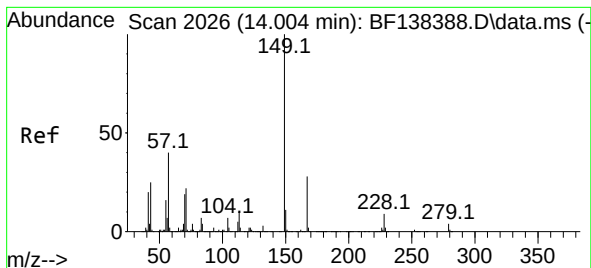
Supervised By :mohammad ahmed 07/09/2024



#83
Chrysene
Concen: 5.947 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Tgt Ion:228 Resp: 59217
Ion Ratio Lower Upper
228 100
226 31.7 23.8 35.6
229 25.4 15.2 22.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.979 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

NB-08-070324

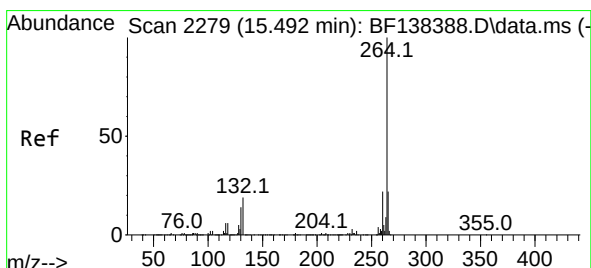
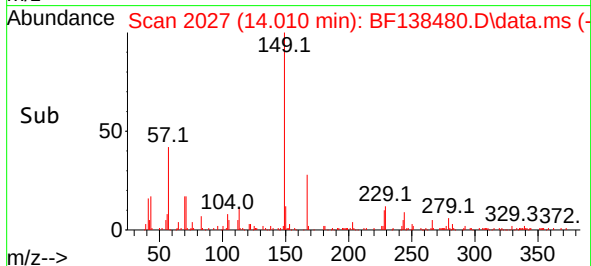
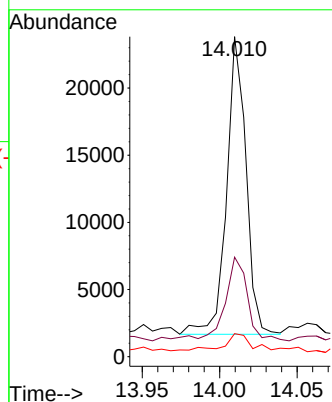
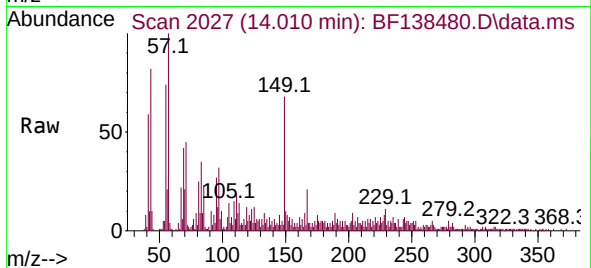
Tgt Ion:149 Resp: 19320
Ion Ratio Lower Upper
149 100
167 31.1 22.6 33.8
279 7.2 3.2 4.8

Manual Integrations

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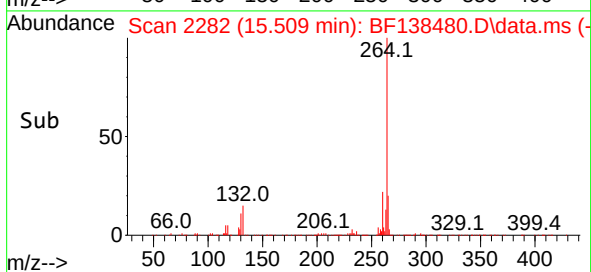
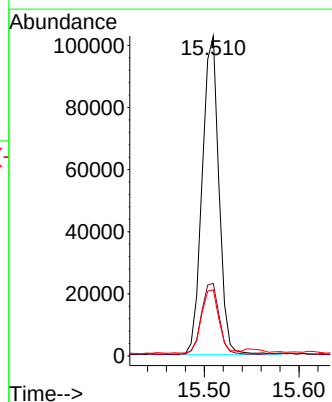
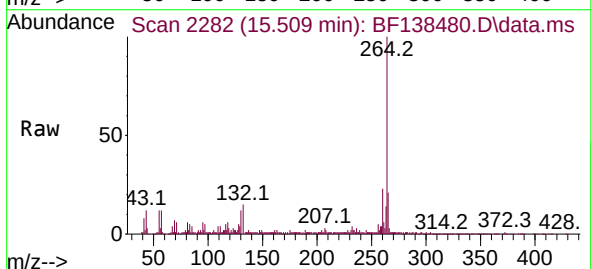
Reviewed By :Yogesh Patel 07/09/2024

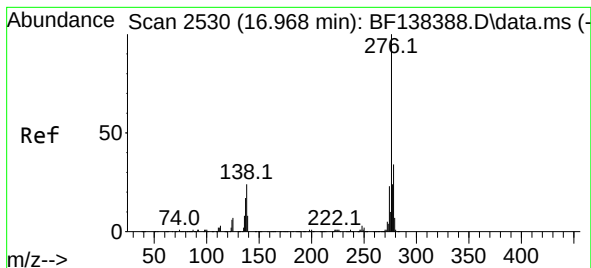
Supervised By :mohammad ahmed 07/09/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2282
Delta R.T. 0.018 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Tgt Ion:264 Resp: 126030
Ion Ratio Lower Upper
264 100
260 22.7 17.8 26.6
265 20.6 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.586 ng

RT: 16.974 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

NB-08-070324

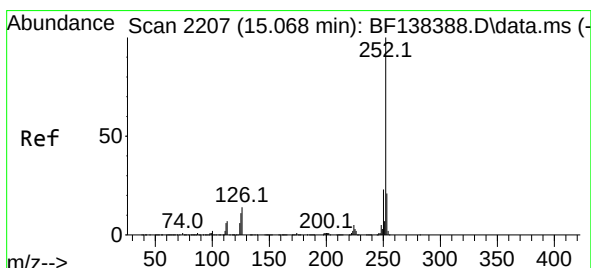
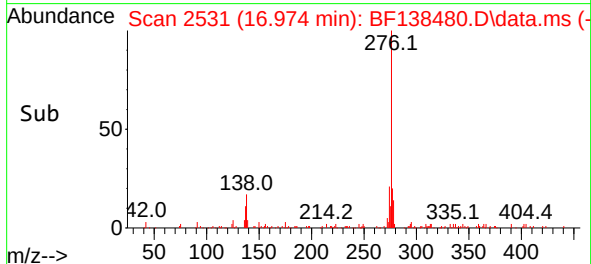
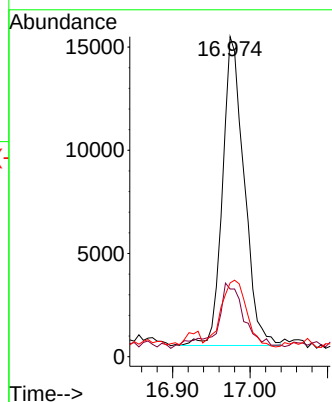
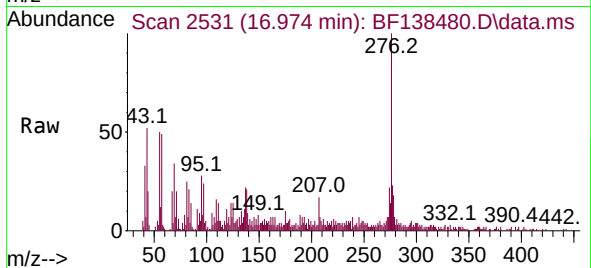
Tgt Ion:	276	Resp:	2904
Ion Ratio	Lower	Upper	
276	100		
138	27.1	22.1	33.1
277	25.5	20.4	30.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/09/2024

Supervised By :mohammad ahmed 07/09/2024



#88

Benzo(b)fluoranthene

Concen: 9.108 ng m

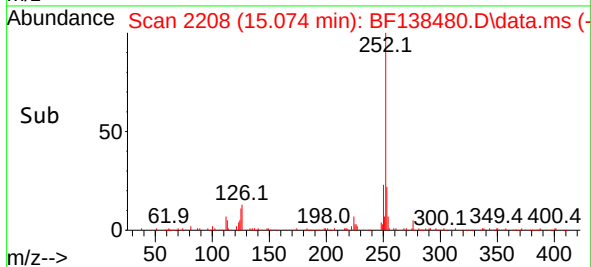
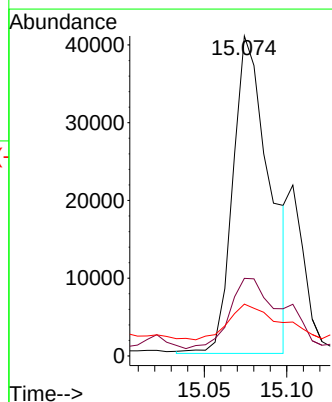
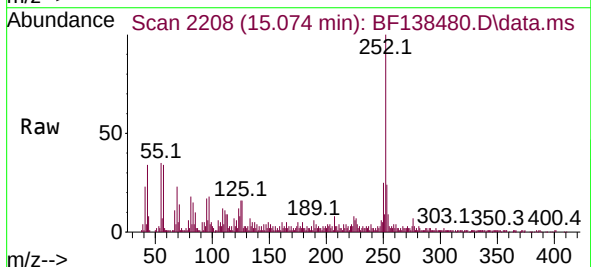
RT: 15.074 min Scan# 2208

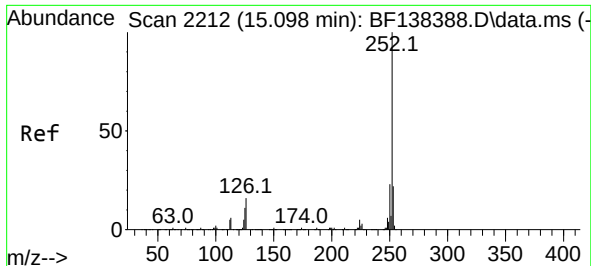
Delta R.T. 0.006 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

Tgt Ion:	252	Resp:	62982
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.0	25.4
125	16.2	8.6	12.8





#89

Benzo(k)fluoranthene

Concen: 2.428 ng m

RT: 15.104 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

NB-08-070324

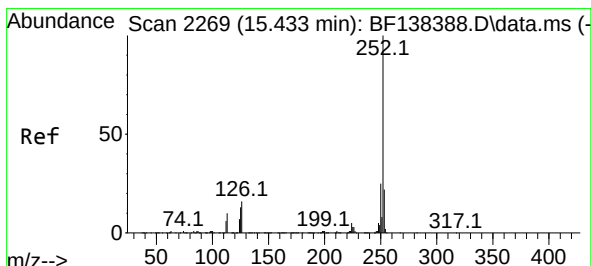
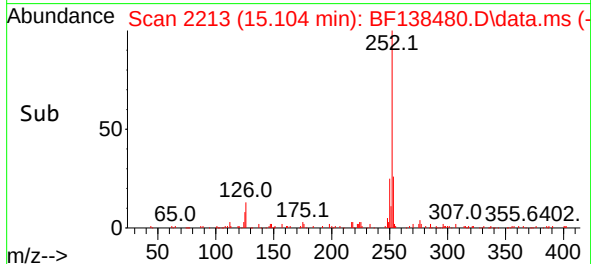
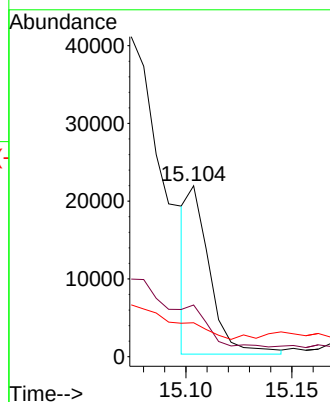
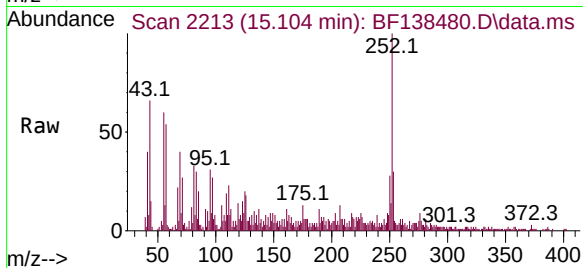
Tgt Ion:252 Resp: 1546
 Ion Ratio Lower Upper
 252 100
 253 30.3 17.4 26.2
 125 19.8 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/09/2024

Supervised By :mohammad ahmed 07/09/2024



#90

Benzo(a)pyrene

Concen: 6.311 ng

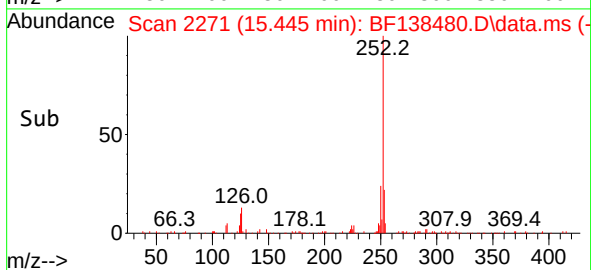
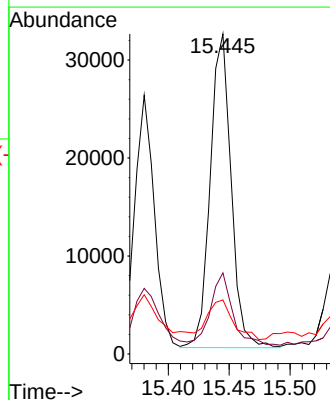
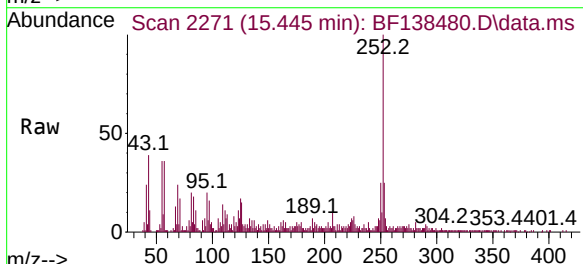
RT: 15.445 min Scan# 2271

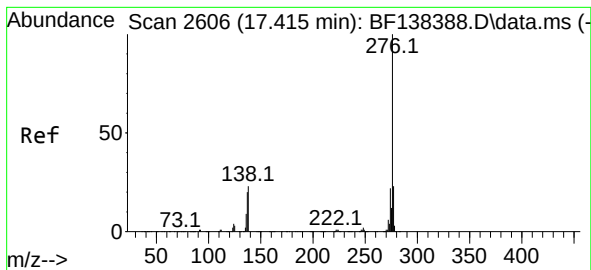
Delta R.T. 0.012 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

Tgt Ion:252 Resp: 38250
 Ion Ratio Lower Upper
 252 100
 253 25.4 17.6 26.4
 125 16.9 10.2 15.2





#92

Benzo(g,h,i)perylene

Concen: 5.645 ng

RT: 17.427 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF138480.D

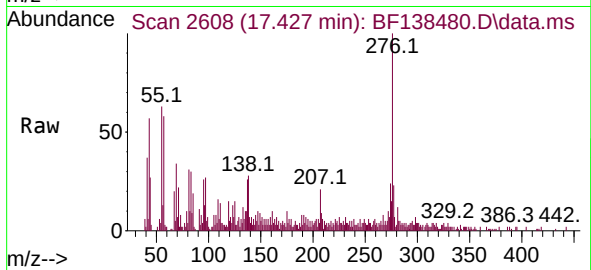
Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

NB-08-070324



Tgt Ion:276 Resp: 28230

Ion Ratio Lower Upper

276 100

277 22.6 18.3 27.5

138 28.2 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/09/2024

Supervised By :mohammad ahmed 07/09/2024

