

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070524\
 Data File : BF138473.D
 Acq On : 05 Jul 2024 17:34
 Operator : CG\JU
 Sample : P3166-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-070324

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/08/2024
 Supervised By :mohammad ahmed 07/08/2024

Quant Time: Jul 05 18:02:30 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	6.869	152	44449	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	176262	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	91051	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	128676	20.000	ng	0.00
76) Chrysene-d12	14.027	240	88660	20.000	ng	0.00
86) Perylene-d12	15.498	264	66138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	317082	118.272	ng	-0.01
7) Phenol-d6	6.504	99	415969	115.179	ng	-0.01
23) Nitrobenzene-d5	7.428	82	259450	76.465	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	75477	101.462	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	442238	77.298	ng	0.00
79) Terphenyl-d14	12.980	244	370660	57.293	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	21766	3.465	ng	# 90
75) Fluoranthene	12.604	202	66021	11.722	ng	98
78) Pyrene	12.833	202	69502	7.335	ng	98
81) Benzo(a)anthracene	14.022	228	29801	5.222	ng	# 90
83) Chrysene	14.057	228	32444	5.843	ng	# 92
84) Bis(2-ethylhexyl)phtha...	14.010	149	8047	2.225	ng	# 82
87) Indeno(1,2,3-cd)pyrene	16.968	276	13984m	4.208	ng	
88) Benzo(b)fluoranthene	15.068	252	32297m	8.900	ng	
89) Benzo(k)fluoranthene	15.098	252	7544m	2.257	ng	
90) Benzo(a)pyrene	15.433	252	19482	6.125	ng	# 92
92) Benzo(g,h,i)perylene	17.410	276	15429m	5.880	ng	

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

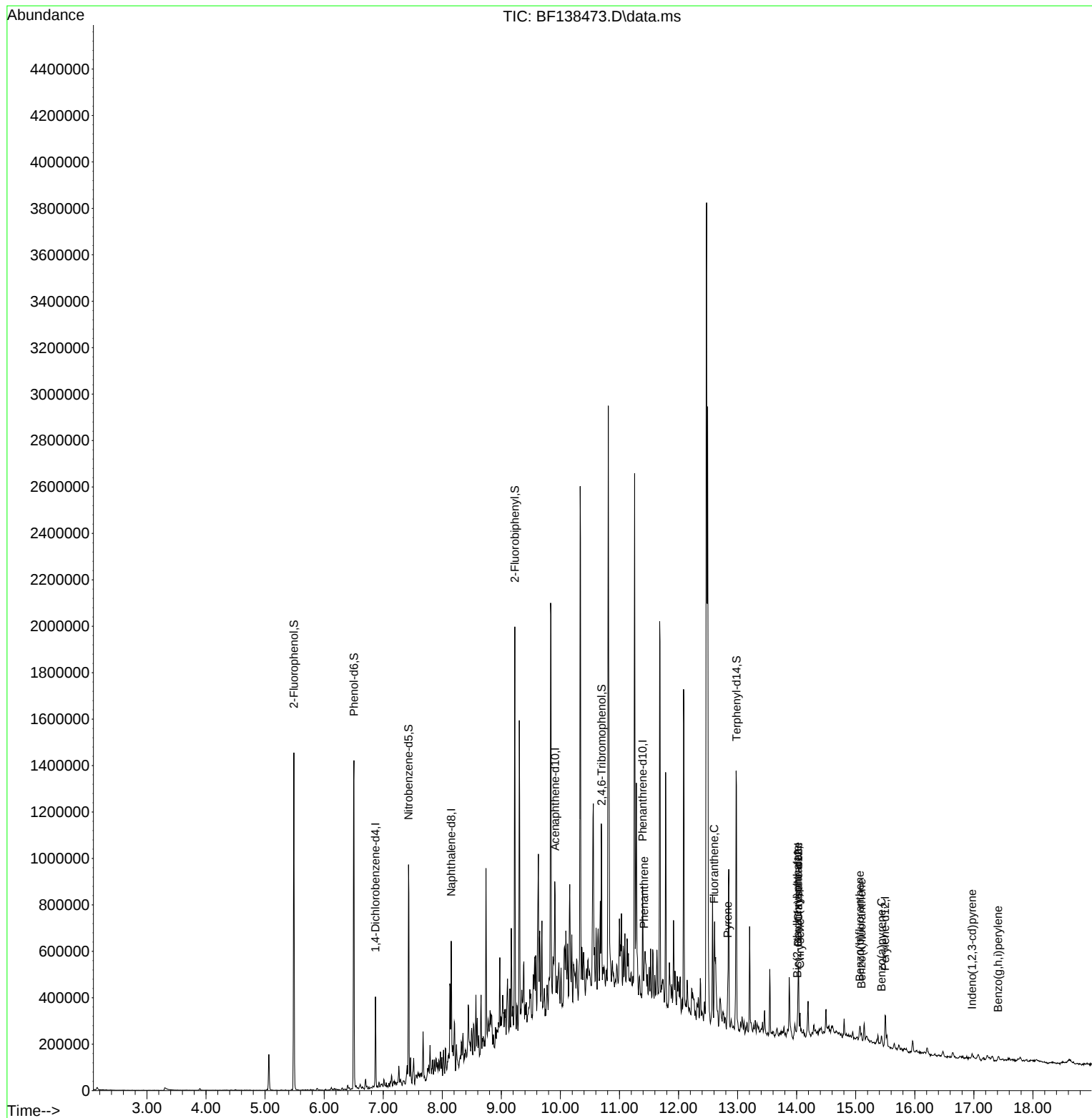
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Data File : BF138473.D
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ALS Vial : 13 Sample Multiplier: 1

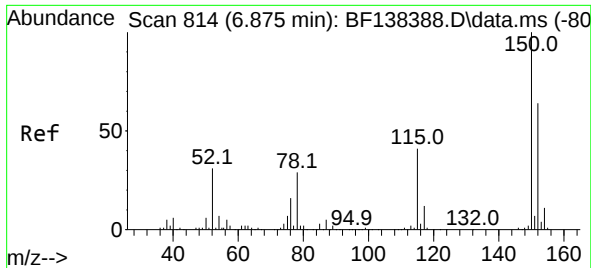
Instrument :
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Quant Time: Jul 05 18:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Instrument :

BNA_F

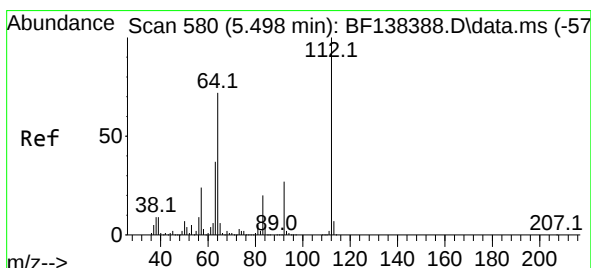
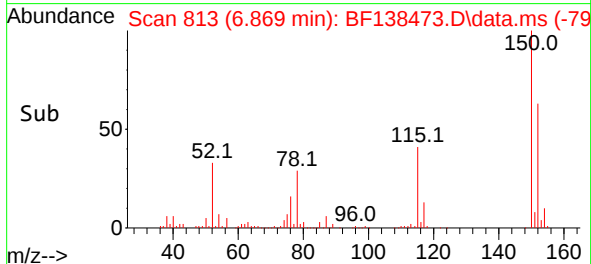
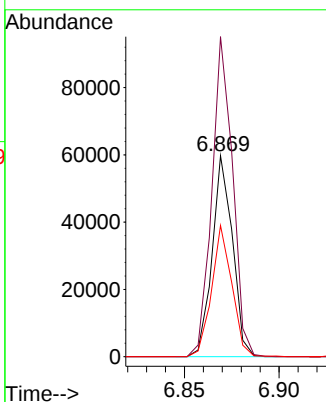
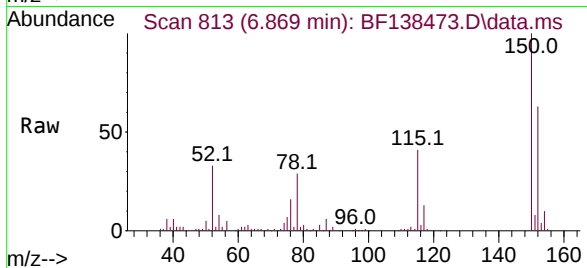
ClientSampleId :

NB-08-070324

Tgt Ion:152 Resp: 44449
Ion Ratio Lower Upper
152 100
150 159.2 124.9 187.3
115 65.3 50.8 76.2

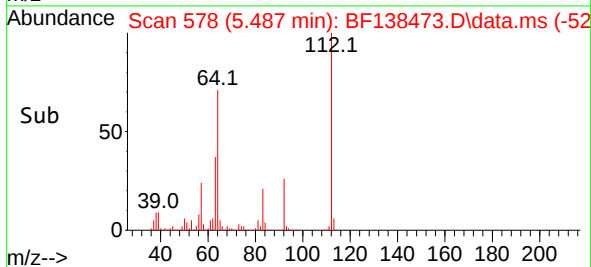
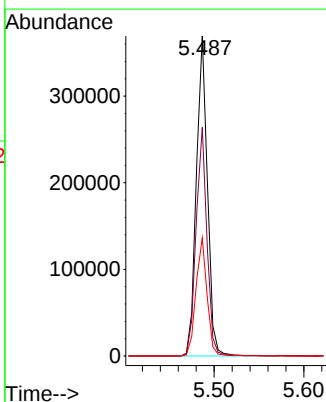
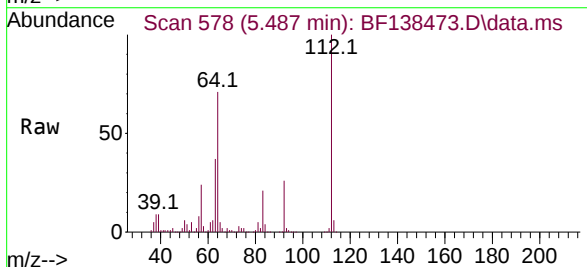
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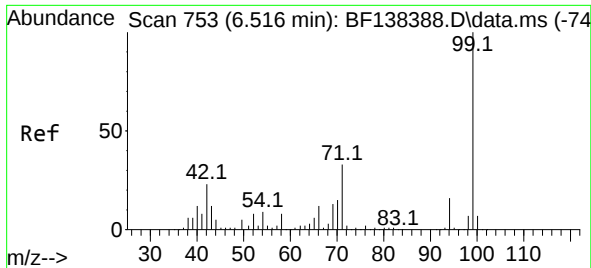
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#5
2-Fluorophenol
Concen: 118.272 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.012 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Tgt Ion:112 Resp: 317082
Ion Ratio Lower Upper
112 100
64 71.4 57.2 85.8
63 36.9 29.4 44.0





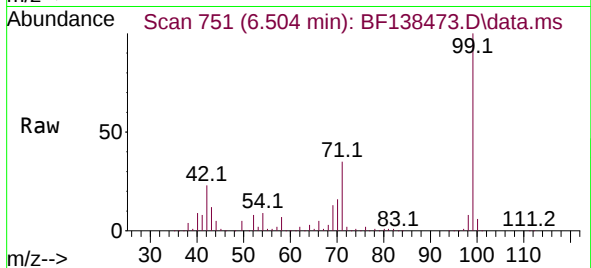
#7
Phenol-d6
Concen: 115.179 ng
RT: 6.504 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Instrument :

BNA_F

ClientSampleId :

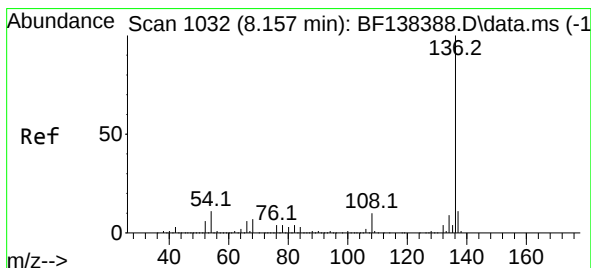
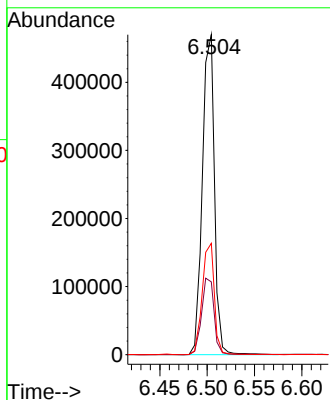
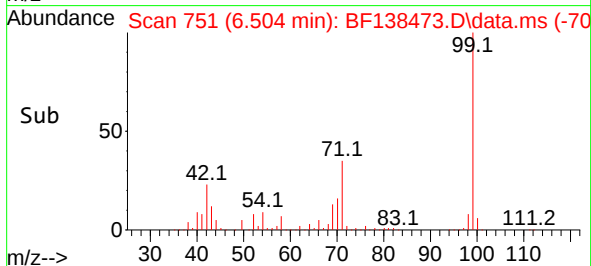
NB-08-070324



Tgt Ion: 99 Resp: 415969
Ion Ratio Lower Upper
99 100
42 22.8 18.5 27.7
71 34.8 26.1 39.1

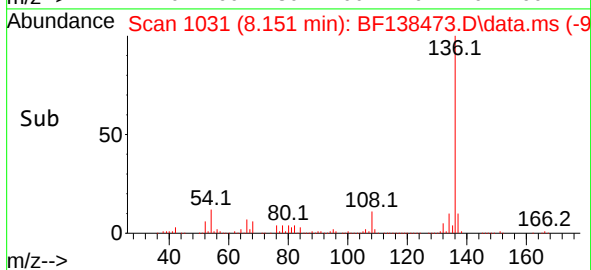
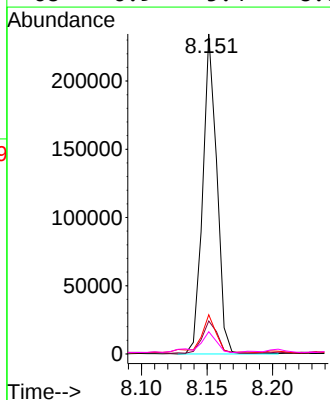
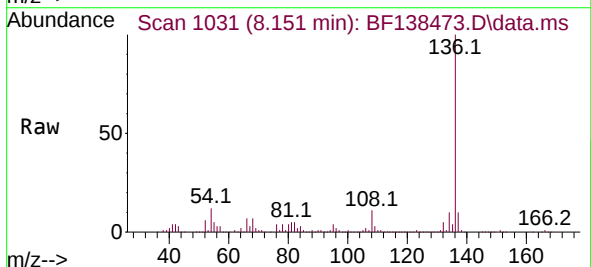
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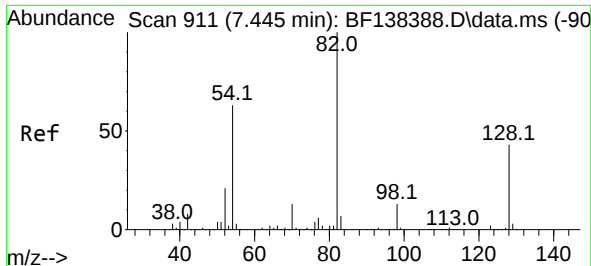
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Tgt Ion:136 Resp: 176262
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 12.2 9.0 13.4
68 6.9 5.4 8.0





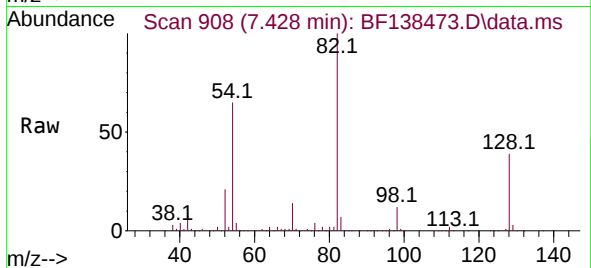
#23
Nitrobenzene-d5
Concen: 76.465 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.018 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Instrument :

BNA_F

ClientSampleId :

NB-08-070324



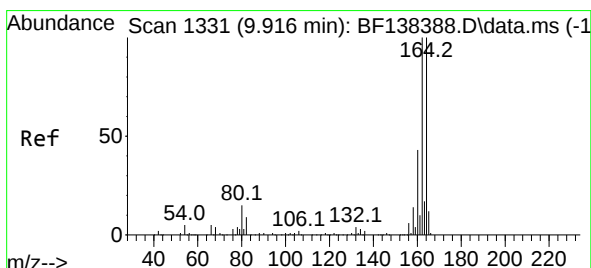
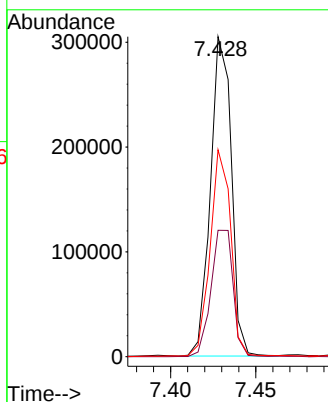
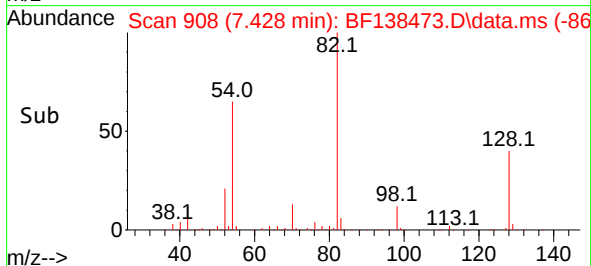
Tgt Ion: 82 Resp: 259450
Ion Ratio Lower Upper
82 100
128 39.5 34.6 52.0
54 64.7 50.5 75.7

Manual Integrations

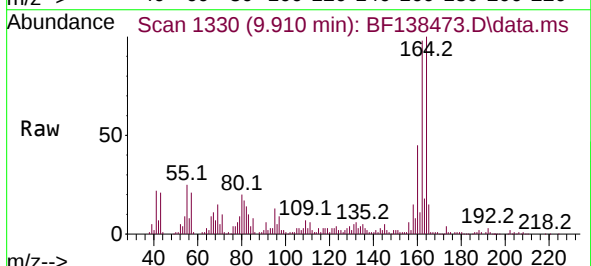
APPROVED

Reviewed By :Yogesh Patel 07/08/2024

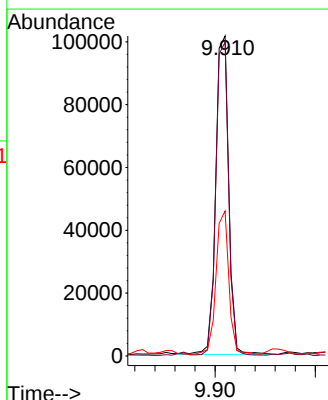
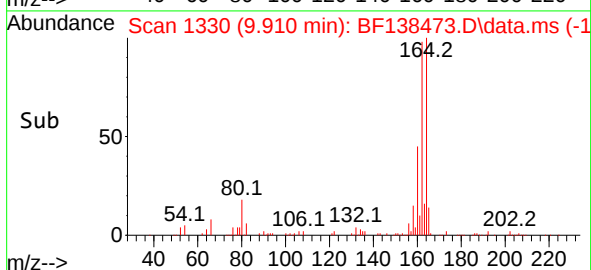
Supervised By :mohammad ahmed 07/08/2024

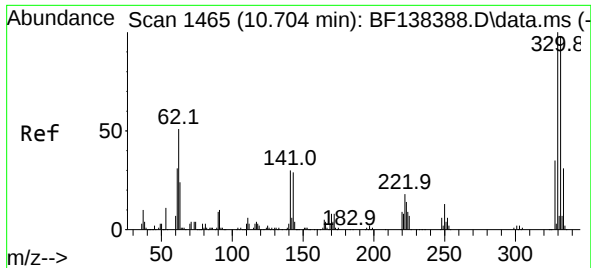


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34



Tgt Ion:164 Resp: 91051
Ion Ratio Lower Upper
164 100
162 98.1 80.1 120.1
160 45.3 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 101.462 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Instrument :

BNA_F

ClientSampleId :

NB-08-070324

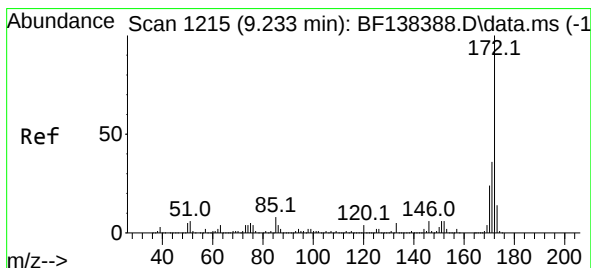
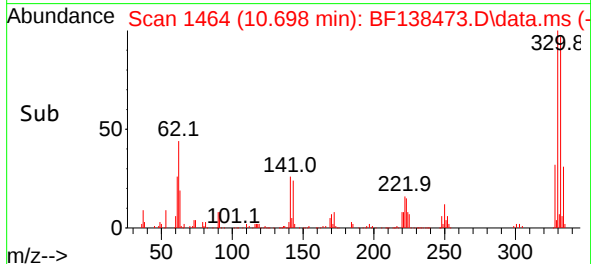
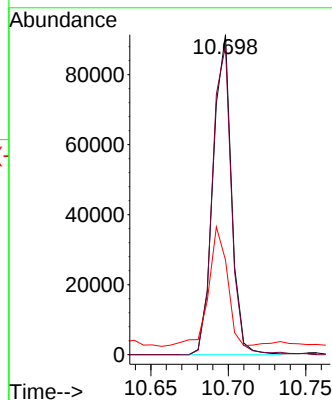
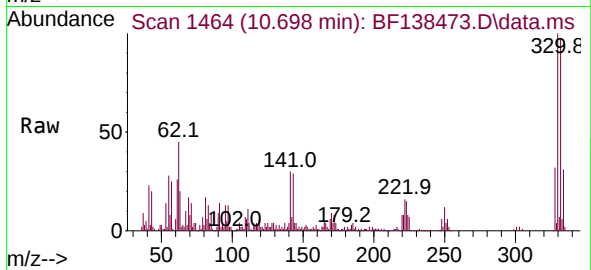
Tgt Ion: 330 Resp: 7547
Ion Ratio Lower Upper
330 100
332 99.2 77.0 115.6
141 38.1 28.1 42.1

Manual Integrations

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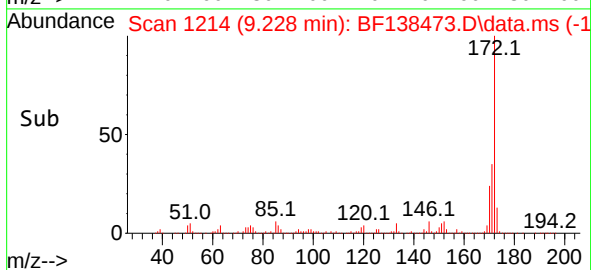
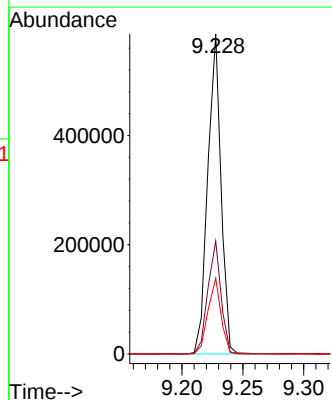
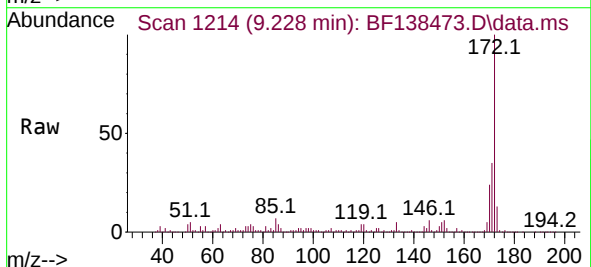
Reviewed By : Yogesh Patel 07/08/2024

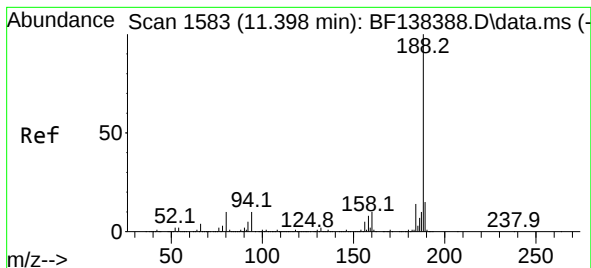
Supervised By : mohammad ahmed 07/08/2024



#45
2-Fluorobiphenyl
Concen: 77.298 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.005 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Tgt Ion: 172 Resp: 442238
Ion Ratio Lower Upper
172 100
171 35.3 29.0 43.4
170 23.7 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Instrument :

BNA_F

ClientSampleId :

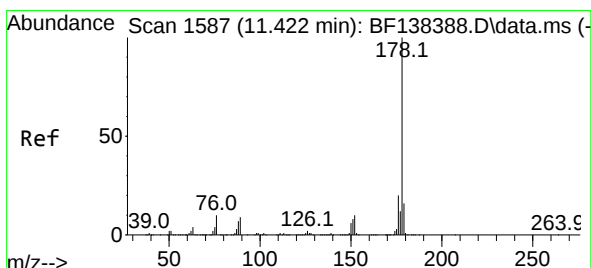
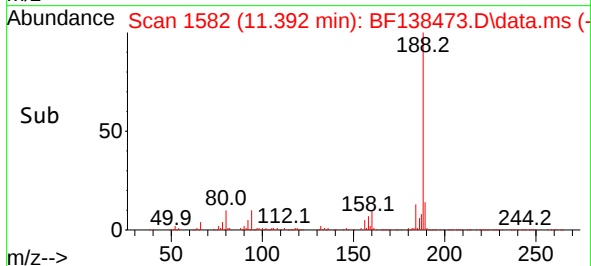
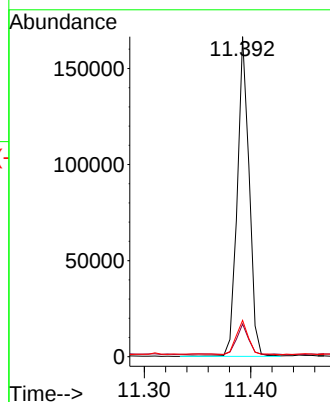
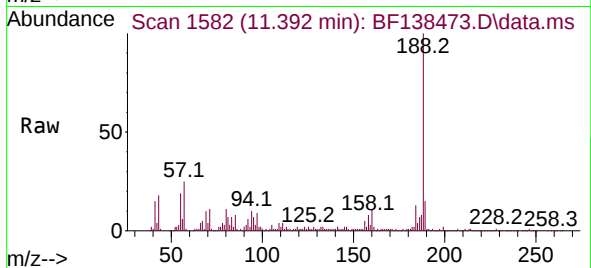
NB-08-070324

Tgt Ion:188 Resp: 128670
Ion Ratio Lower Upper
188 100
94 10.2 8.0 12.0
80 11.3 8.2 12.4

Manual Integrations

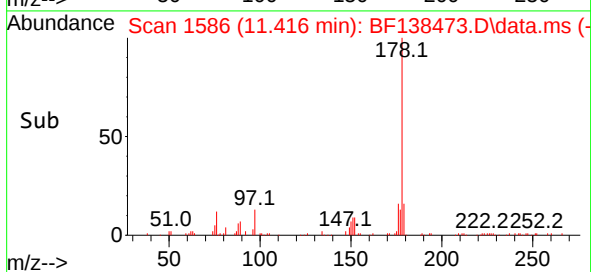
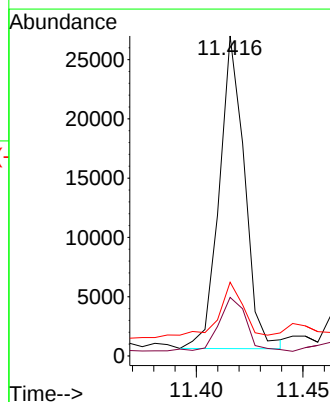
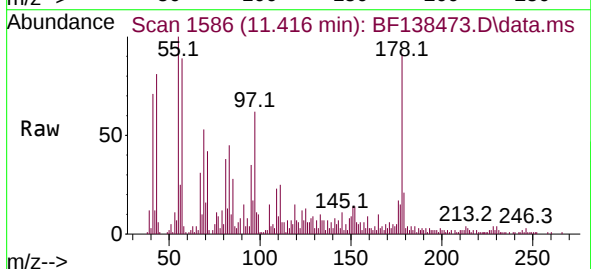
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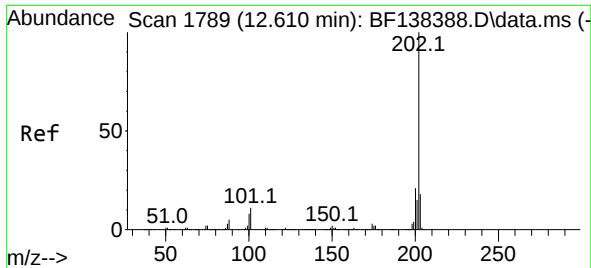
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#71
Phenanthrene
Concen: 3.465 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Tgt Ion:178 Resp: 21766
Ion Ratio Lower Upper
178 100
176 18.3 16.1 24.1
179 23.0 12.6 18.8#





#75
Fluoranthene
Concen: 11.722 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Instrument :

BNA_F

ClientSampleId :

NB-08-070324

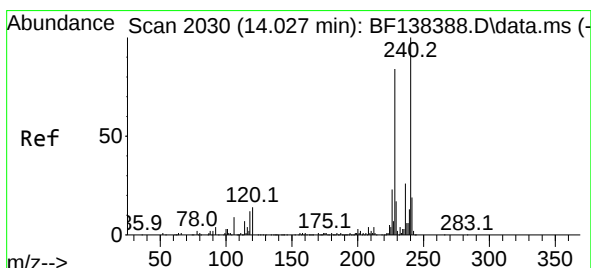
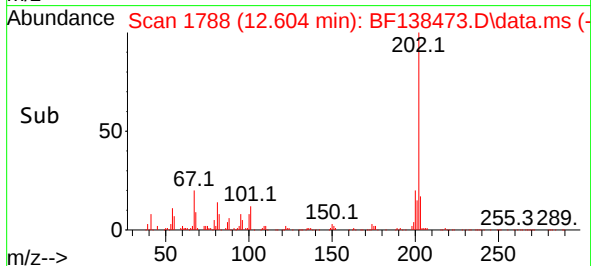
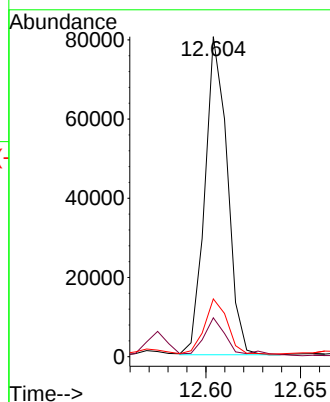
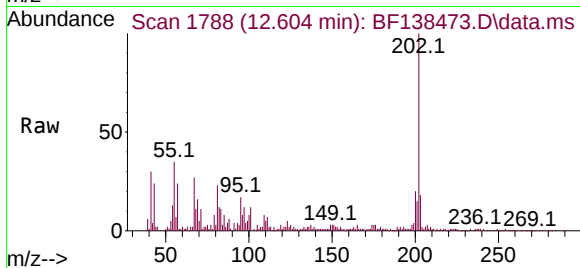
Tgt Ion:202 Resp: 6602
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.5
203 18.0 0.0 37.6

Manual Integrations

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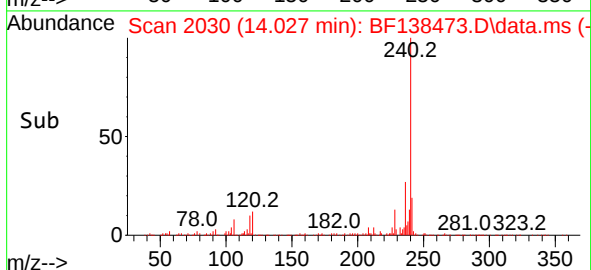
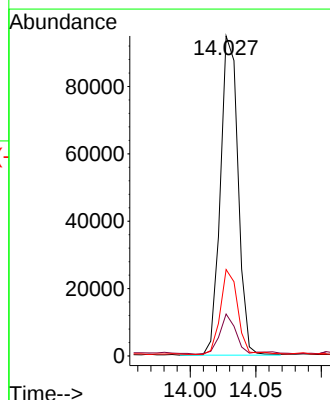
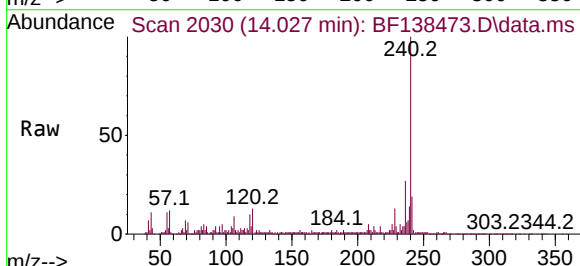
Reviewed By :Yogesh Patel 07/08/2024

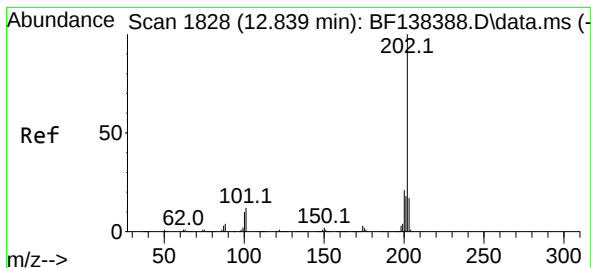
Supervised By :mohammad ahmed 07/08/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Tgt Ion:240 Resp: 88660
Ion Ratio Lower Upper
240 100
120 13.1 10.9 16.3
236 27.0 20.6 30.8





#78

Pyrene

Concen: 7.335 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF138473.D

Acq: 05 Jul 2024 17:34

Instrument :

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ClientSampleId :

NB-08-070324

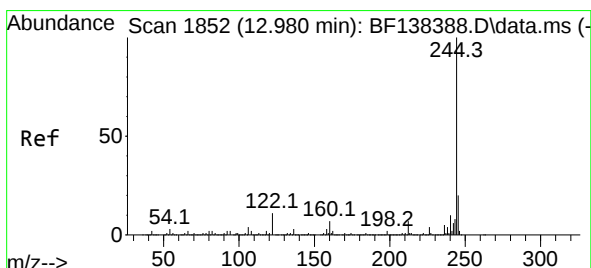
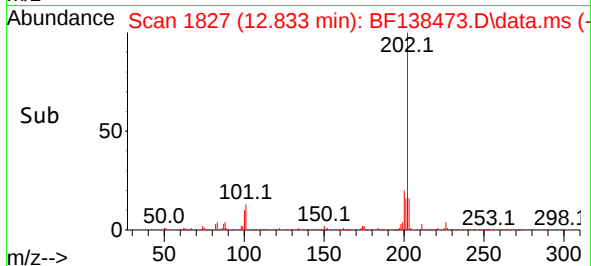
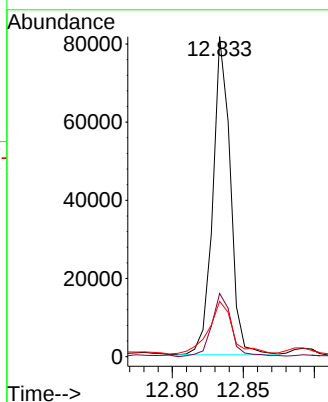
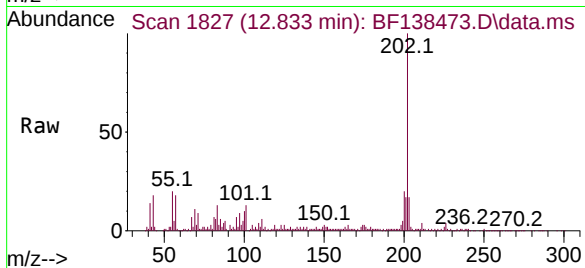
Tgt Ion:202 Resp: 69502
 Ion Ratio Lower Upper
 202 100
 200 19.8 16.9 25.3
 203 17.3 13.8 20.8

Manual Integrations

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#79

Terphenyl-d14

Concen: 57.293 ng

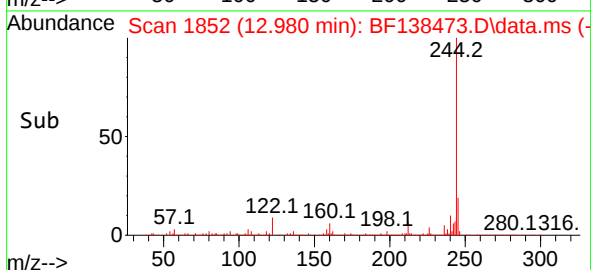
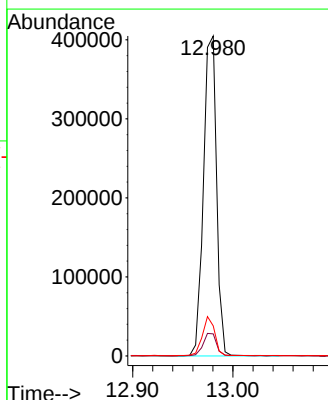
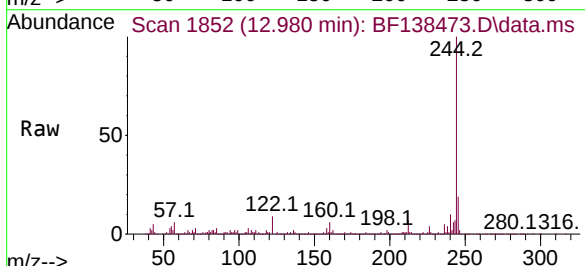
RT: 12.980 min Scan# 1852

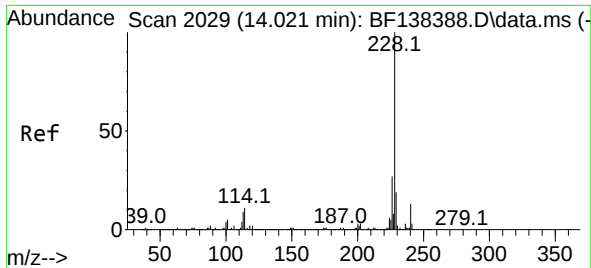
Delta R.T. 0.000 min

Lab File: BF138473.D

Acq: 05 Jul 2024 17:34

Tgt Ion:244 Resp: 370660
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 9.4 9.0 13.4





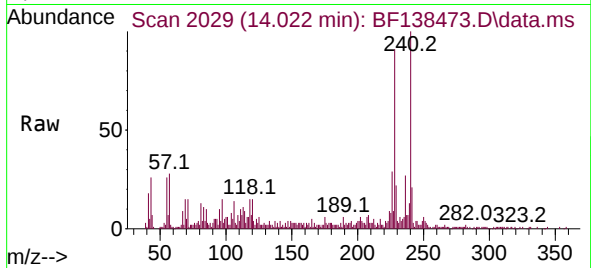
#81
Benzo(a)anthracene
Concen: 5.222 ng
RT: 14.022 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Instrument :

BNA_F

ClientSampleId :

NB-08-070324



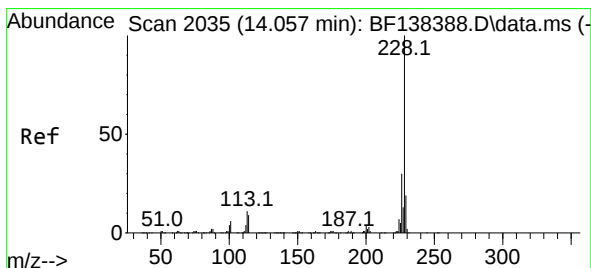
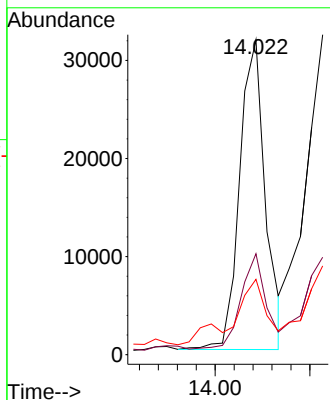
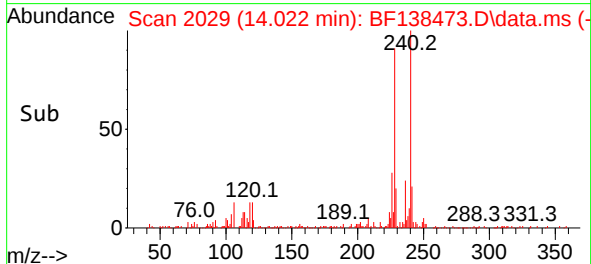
Tgt Ion:228 Resp: 2980
Ion Ratio Lower Upper
228 100
226 32.0 21.7 32.5
229 23.9 15.5 23.3

Manual Integrations

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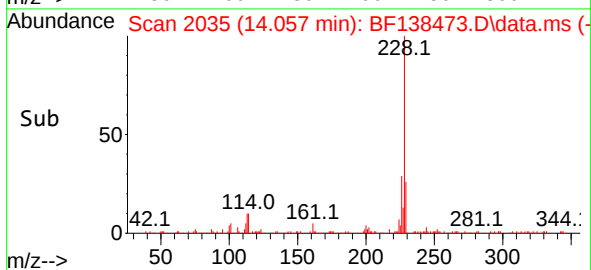
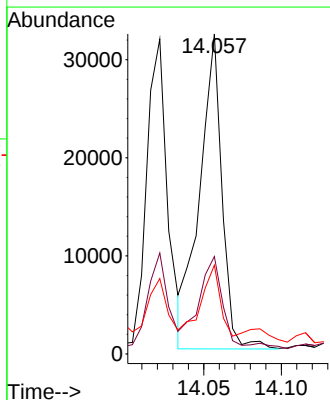
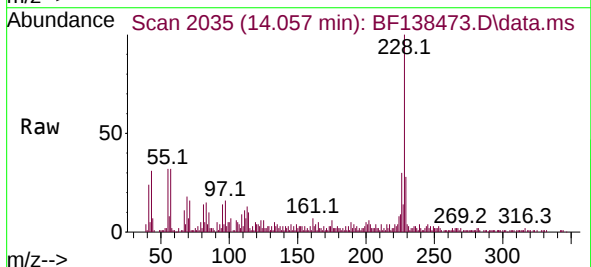
Reviewed By :Yogesh Patel 07/08/2024

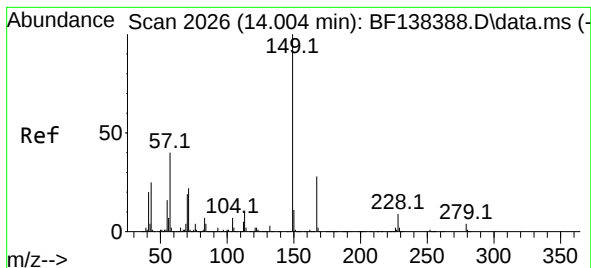
Supervised By :mohammad ahmed 07/08/2024



#83
Chrysene
Concen: 5.843 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.000 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Tgt Ion:228 Resp: 32444
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.6
229 27.7 15.2 22.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.225 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Instrument :

BNA_F

ClientSampleId :

NB-08-070324

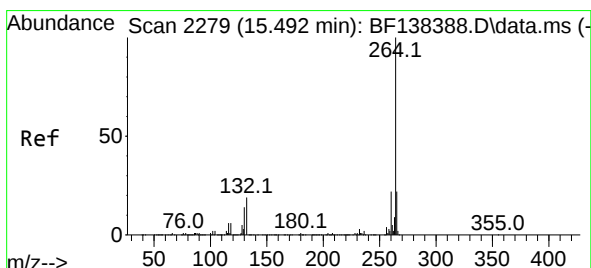
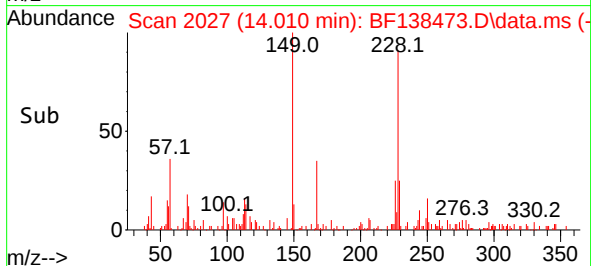
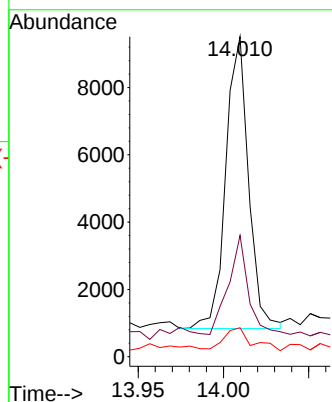
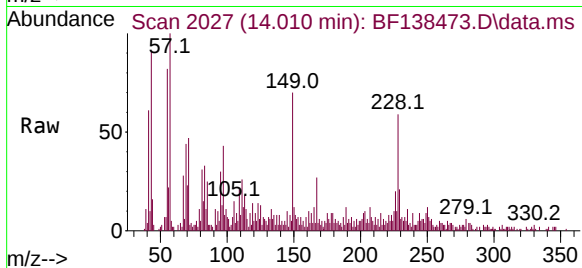
Tgt Ion:149 Resp: 804
Ion Ratio Lower Upper
149 100
167 37.9 22.6 33.8
279 9.0 3.2 4.8

Manual Integrations

APPROVED

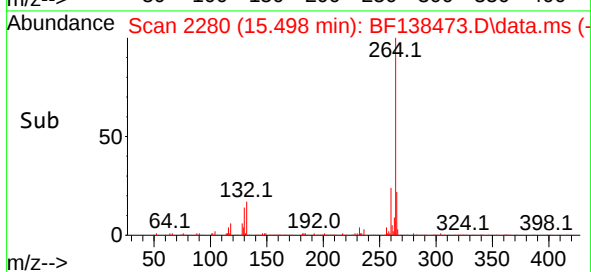
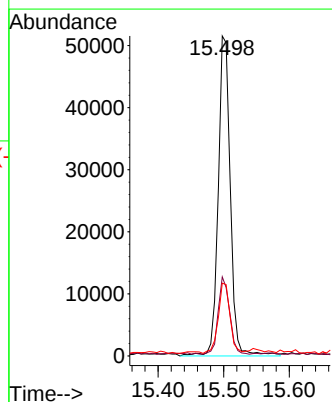
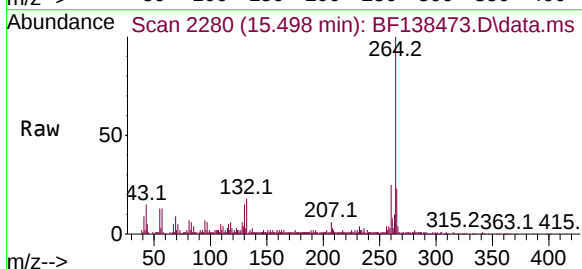
Reviewed By :Yogesh Patel 07/08/2024

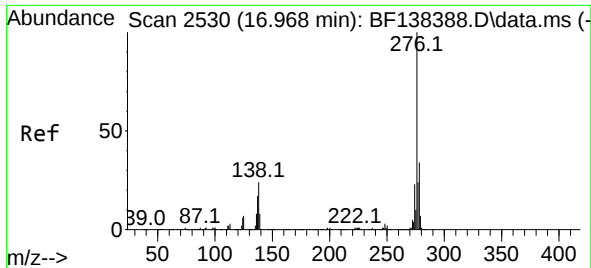
Supervised By :mohammad ahmed 07/08/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Tgt Ion:264 Resp: 66138
Ion Ratio Lower Upper
264 100
260 24.7 17.8 26.6
265 22.7 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.208 ng m
RT: 16.968 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Instrument :

BNA_F

ClientSampleId :

NB-08-070324

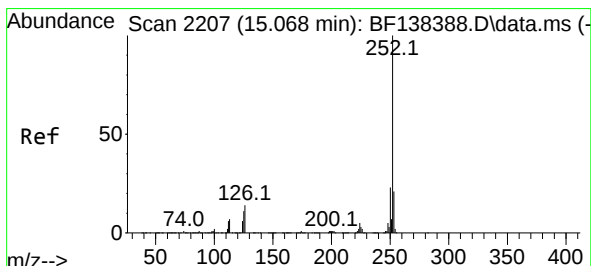
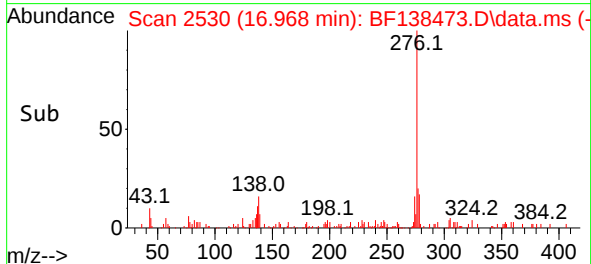
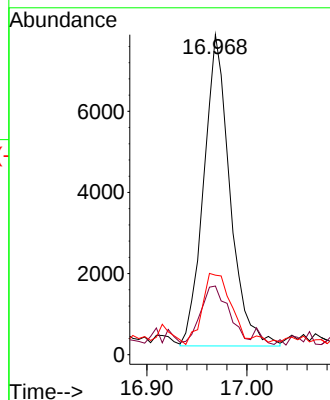
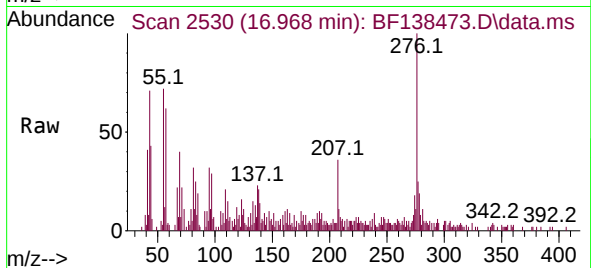
Tgt Ion:276 Resp: 13984
Ion Ratio Lower Upper
276 100
138 4.9 22.1 33.1
277 4.8 20.4 30.6

Manual Integrations

APPROVED

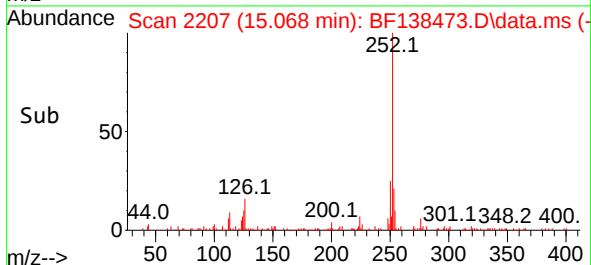
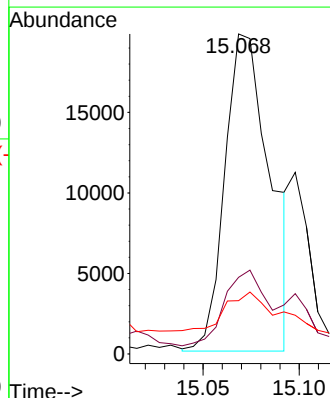
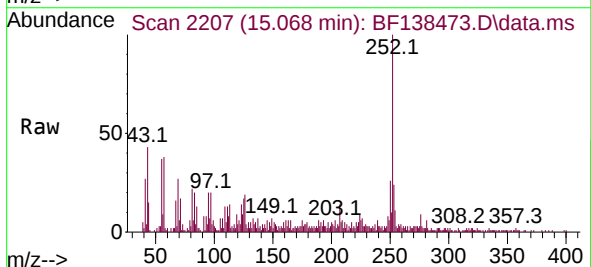
Reviewed By :Yogesh Patel 07/08/2024

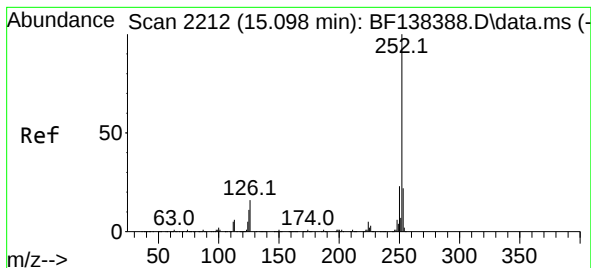
Supervised By :mohammad ahmed 07/08/2024



#88
Benzo(b)fluoranthene
Concen: 8.900 ng m
RT: 15.068 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Tgt Ion:252 Resp: 32297
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.4
125 16.7 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 2.257 ng m

RT: 15.098 min Scan# 2212

Delta R.T. 0.000 min

Lab File: BF138473.D

Acq: 05 Jul 2024 17:34

Instrument :

BNA_F

ClientSampleId :

NB-08-070324

Tgt Ion:252 Resp: 7544

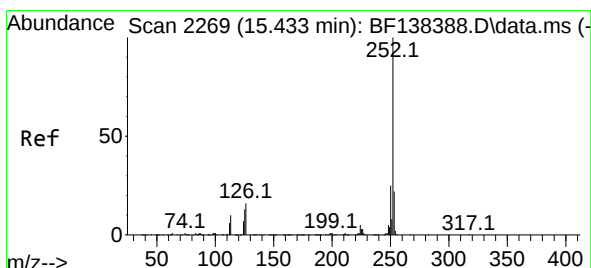
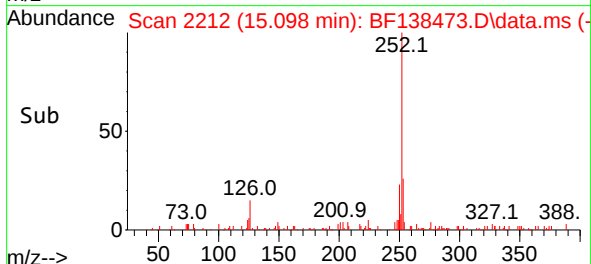
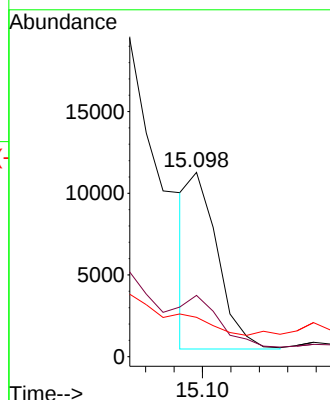
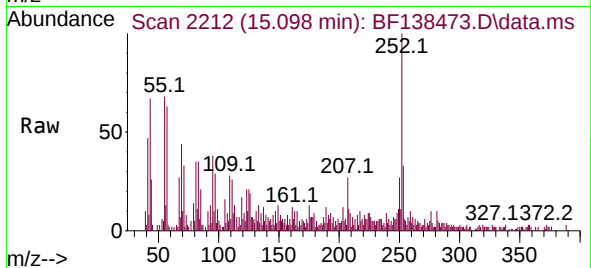
Ion	Ratio	Lower	Upper
252	100		
253	33.2	17.4	26.2
125	21.3	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#90

Benzo(a)pyrene

Concen: 6.125 ng

RT: 15.433 min Scan# 2269

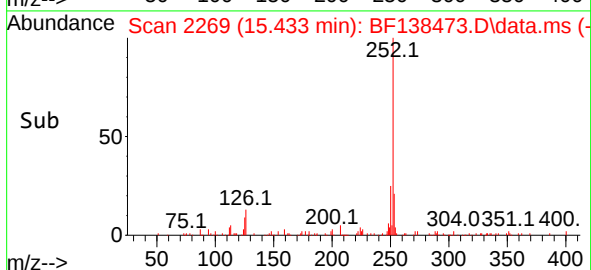
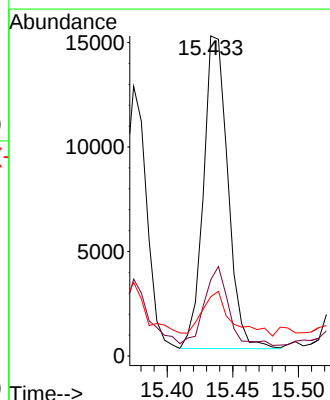
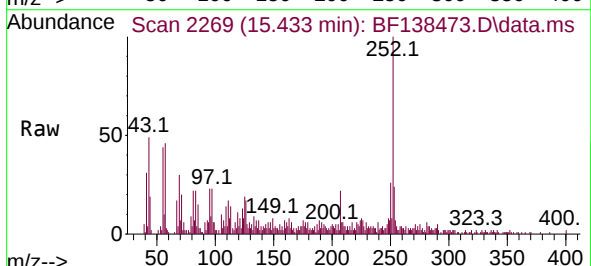
Delta R.T. 0.000 min

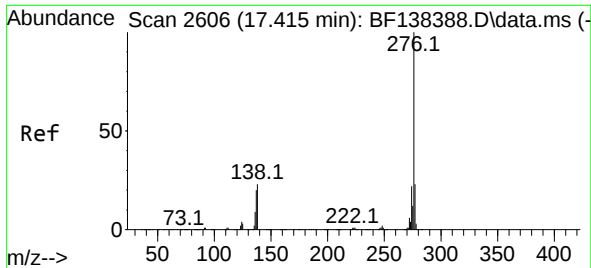
Lab File: BF138473.D

Acq: 05 Jul 2024 17:34

Tgt Ion:252 Resp: 19482

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	18.5	10.2	15.2





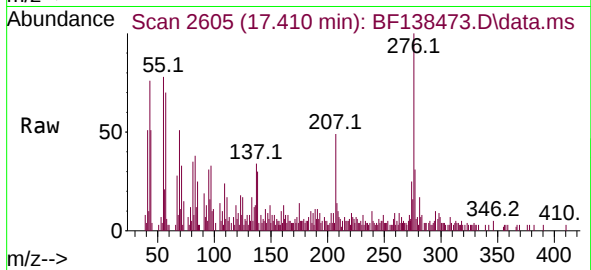
#92
Benzo(g,h,i)perylene
Concen: 5.880 ng m
RT: 17.410 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF138473.D
Acq: 05 Jul 2024 17:34

Instrument :

BNA_F

ClientSampleId :

NB-08-070324



Tgt Ion:276 Resp: 15429
Ion Ratio Lower Upper
276 100
277 31.0 18.3 27.5
138 29.6 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024

