

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134322.D
 Acq On : 17 Jul 2023 18:42
 Operator : CG\JU
 Sample : 03615-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 18 01:15:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	60732	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	226692	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	100792	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	147793	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	110638	20.000	ng	0.00
86) Perylene-d12	15.539	264	89379	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	318765	87.799	ng	0.00
7) Phenol-d6	6.475	99	382100	85.578	ng	-0.01
23) Nitrobenzene-d5	7.398	82	258140	61.383	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	98533	77.970	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	472450	68.149	ng	-0.01
79) Terphenyl-d14	12.980	244	416297	60.558	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.733	152	21158	2.094	ng	# 73
52) Acenaphthene	9.904	154	43957	7.496	ng	95
58) Fluorene	10.427	166	33908	4.756	ng	# 86
71) Phenanthrene	11.410	178	619808	83.306	ng	97
72) Anthracene	11.457	178	79649m	10.292	ng	
73) Carbazole	11.616	167	80212	11.324	ng	# 76
75) Fluoranthene	12.621	202	1497520	186.178	ng	98
78) Pyrene	12.851	202	1297231	125.989	ng	98
81) Benzo(a)anthracene	14.033	228	579116	75.475	ng	98
83) Chrysene	14.068	228	616425m	82.945	ng	
84) Bis(2-ethylhexyl)phtha...	14.010	149	138694	31.257	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	251451	40.543	ng	# 92
88) Benzo(b)fluoranthene	15.104	252	681251m	129.625	ng	
89) Benzo(k)fluoranthene	15.127	252	200983m	37.560	ng	
90) Benzo(a)pyrene	15.480	252	395017	77.728	ng	97
91) Dibenzo(a,h)anthracene	17.092	278	57980	11.446	ng	96
92) Benzo(g,h,i)perylene	17.562	276	242411	46.403	ng	96

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

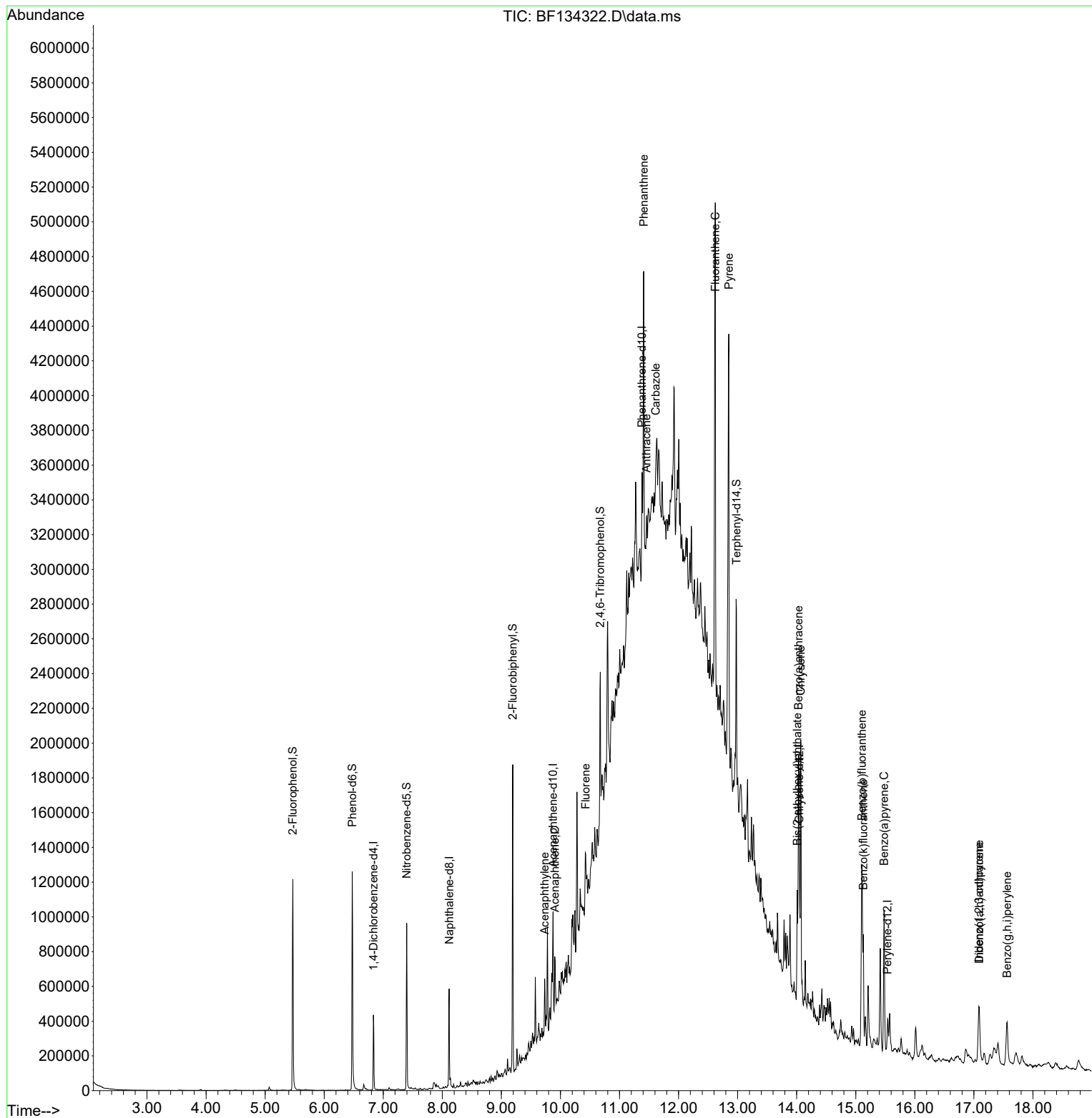
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134322.D
Acq On : 17 Jul 2023 18:42
Operator : CG\JU
Sample : 03615-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

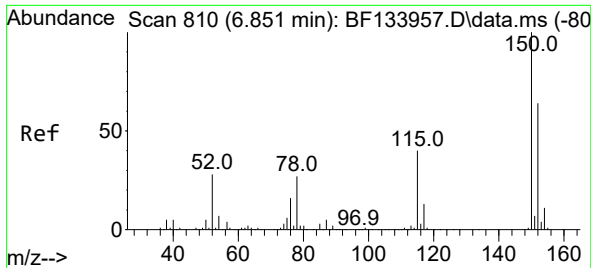
Instrument :
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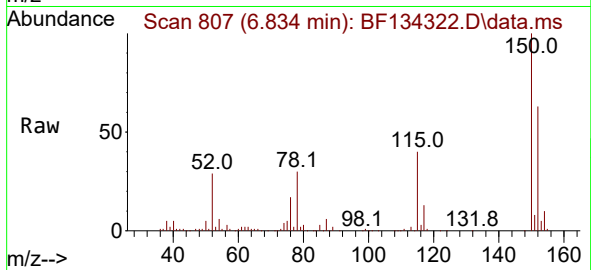
Quant Time: Jul 18 01:15:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 14 22:51:27 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.011 min
Lab File: BF134322.D
Acq: 17 Jul 2023 18:42

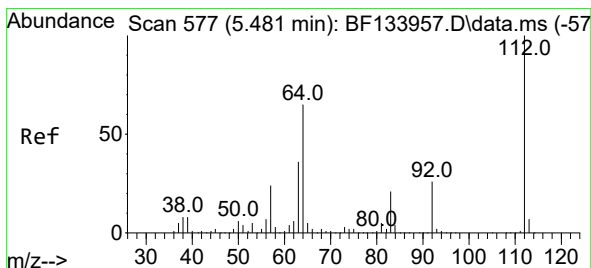
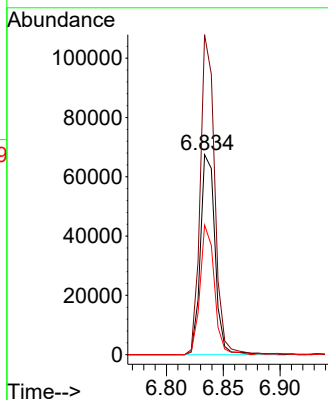
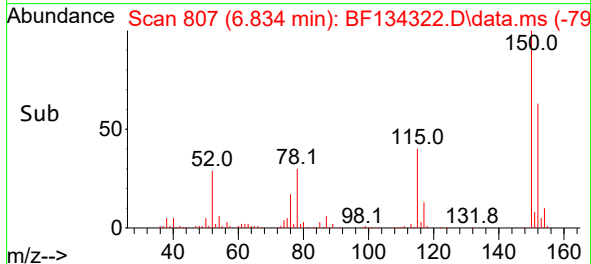
Instrument :
BNA_F
ClientSampleId :
VNJ-204



Tgt Ion:152 Resp: 60732
Ion Ratio Lower Upper
152 100
150 160.0 124.5 186.7
115 64.8 50.2 75.2

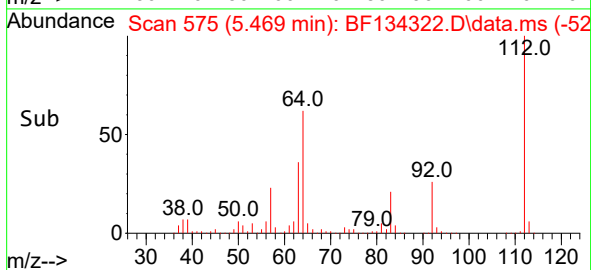
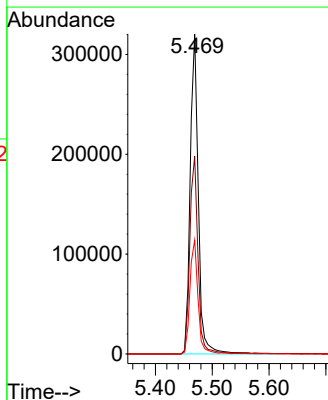
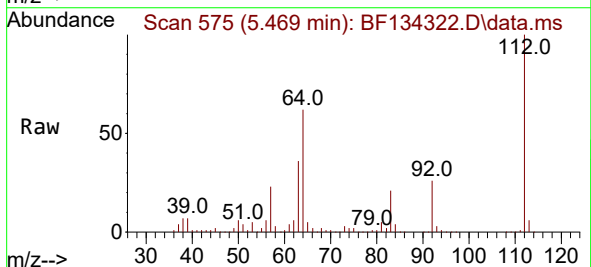
Manual Integrations
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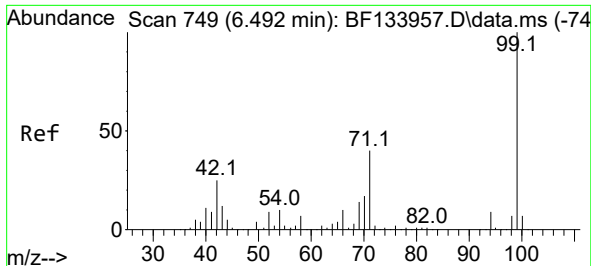
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#5
2-Fluorophenol
Concen: 87.799 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.000 min
Lab File: BF134322.D
Acq: 17 Jul 2023 18:42

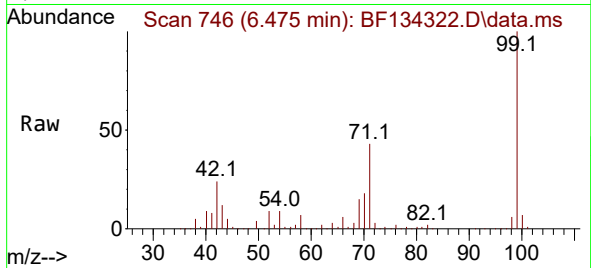
Tgt Ion:112 Resp: 318765
Ion Ratio Lower Upper
112 100
64 61.8 52.1 78.1
63 35.6 28.6 42.8





#7
Phenol-d6
Concen: 85.578 ng
RT: 6.475 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134322.D
Acq: 17 Jul 2023 18:42

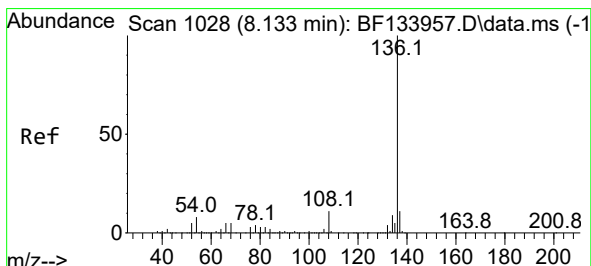
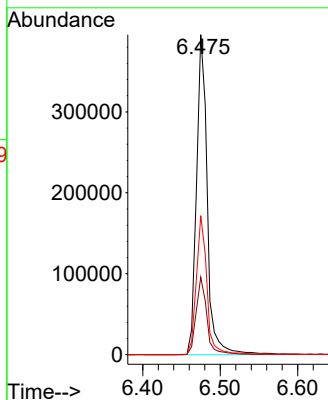
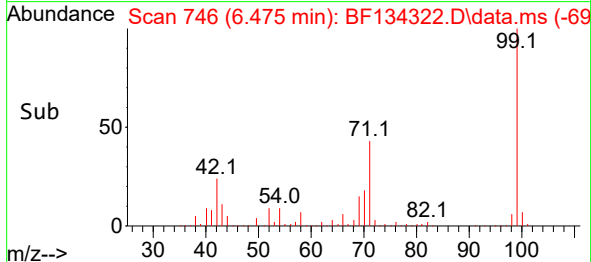
Instrument :
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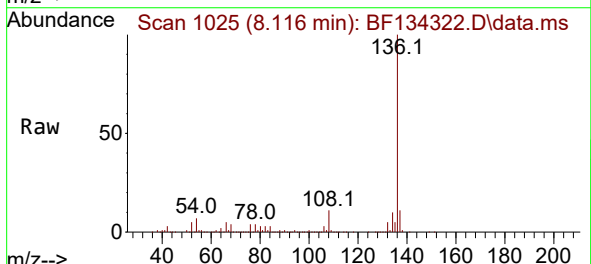
Tgt Ion: 99 Resp: 382100
Ion Ratio Lower Upper
99 100
42 24.3 19.8 29.6
71 43.4 31.9 47.9

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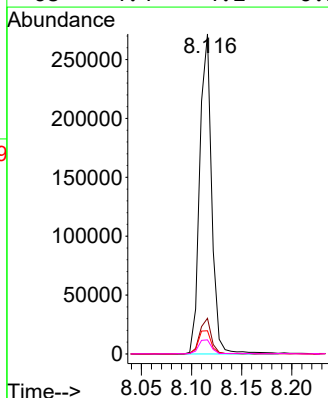
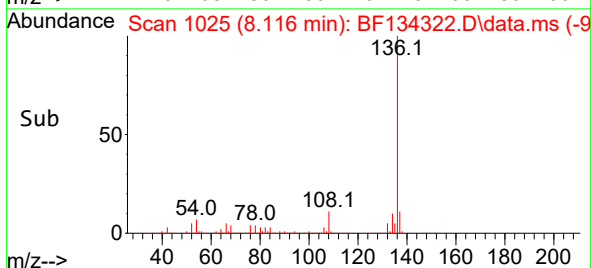
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

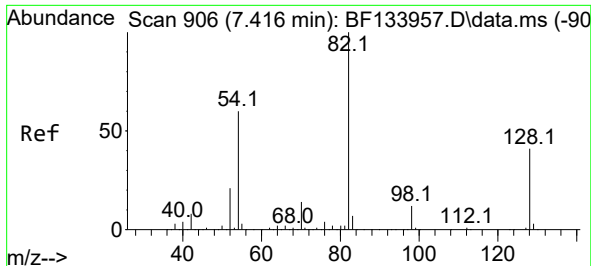


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134322.D
Acq: 17 Jul 2023 18:42



Tgt Ion:136 Resp: 226692
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 7.3 6.5 9.7
68 4.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 61.383 ng

RT: 7.398 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-204

Tgt Ion: 82 Resp: 258140

Ion Ratio Lower Upper

82 100

128 41.4 32.5 48.7

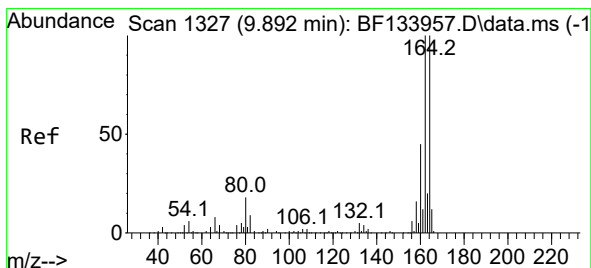
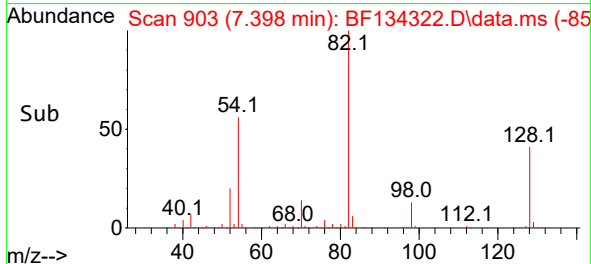
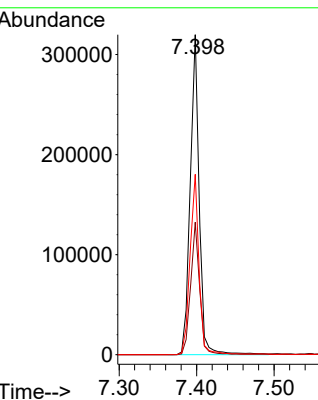
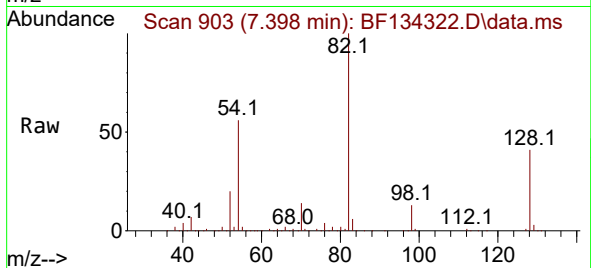
54 56.4 48.2 72.2

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Supervised By :mohammad ahmed 07/19/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.006 min

Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

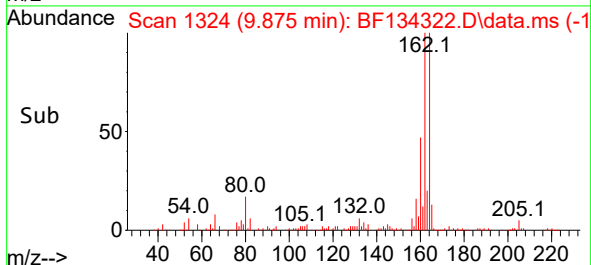
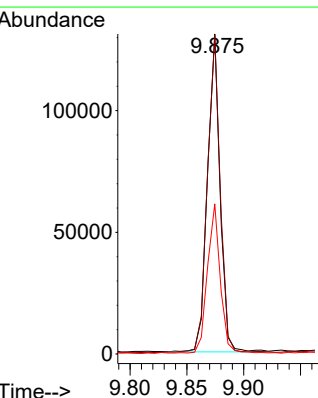
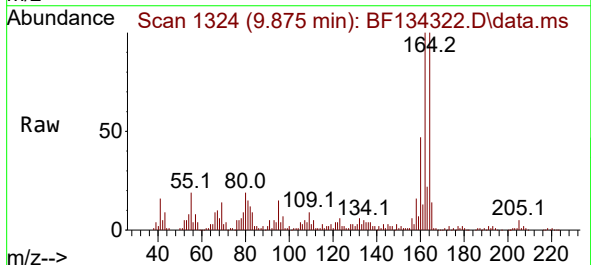
Tgt Ion:164 Resp: 100792

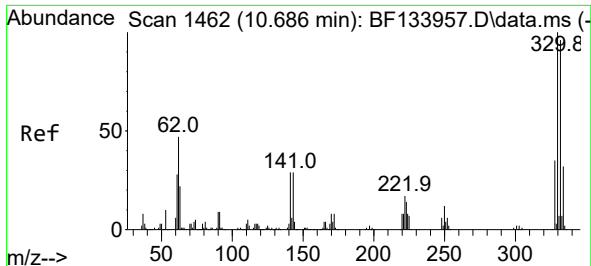
Ion Ratio Lower Upper

164 100

162 99.5 80.0 120.0

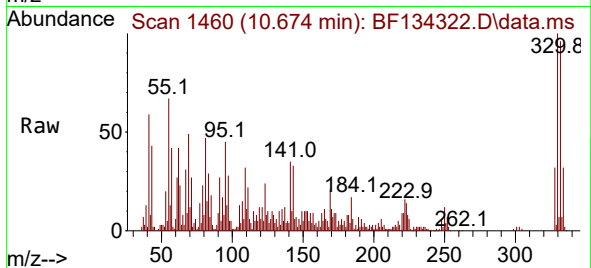
160 46.9 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 77.970 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134322.D
Acq: 17 Jul 2023 18:42

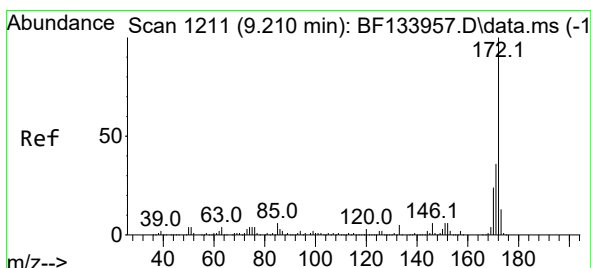
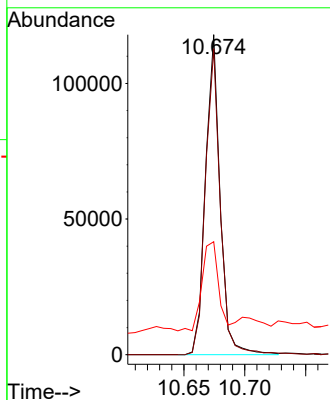
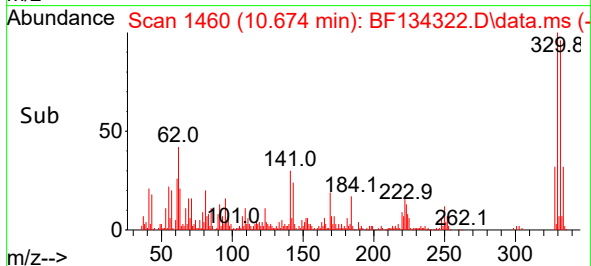
Instrument :
BNA_F
ClientSampleId :
VNJ-204



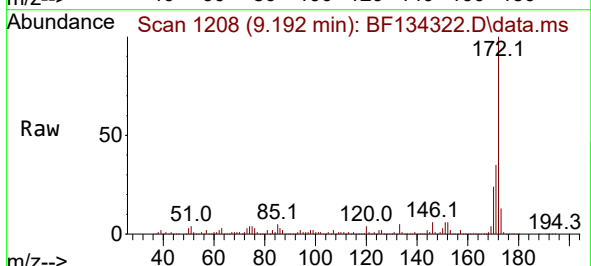
Tgt Ion: 330 Resp: 9853
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.6
141 32.3 26.3 39.5

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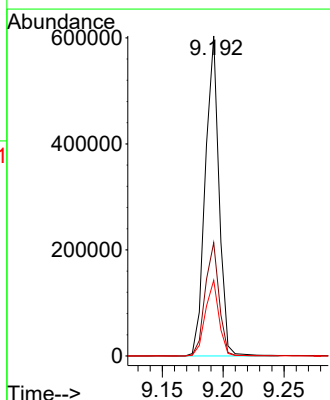
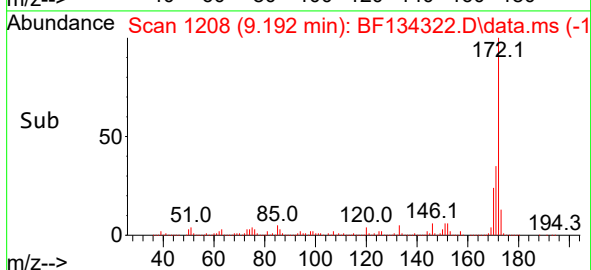
Reviewed By : Yogesh Patel 07/19/2023
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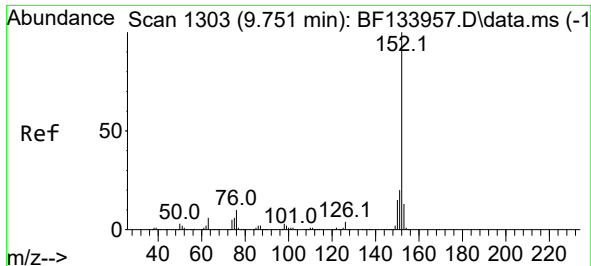


#45
2-Fluorobiphenyl
Concen: 68.149 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134322.D
Acq: 17 Jul 2023 18:42



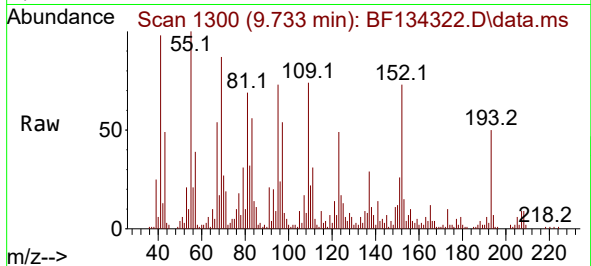
Tgt Ion: 172 Resp: 472450
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.7 19.4 29.0





#49
Acenaphthylene
Concen: 2.094 ng
RT: 9.733 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134322.D
Acq: 17 Jul 2023 18:42

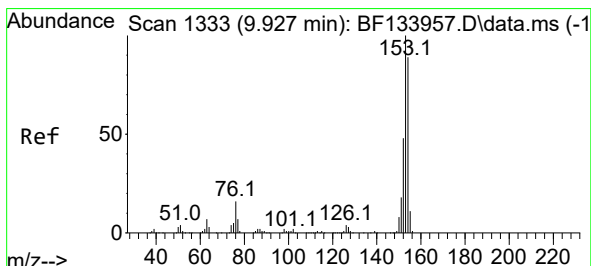
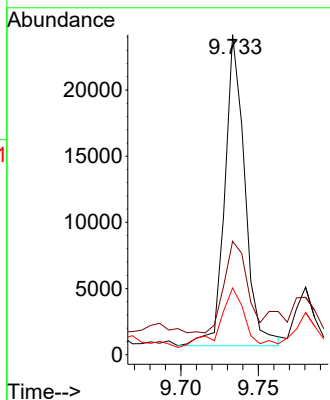
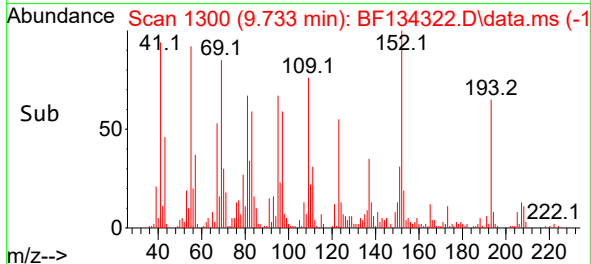
Instrument :
BNA_F
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VNJ-204



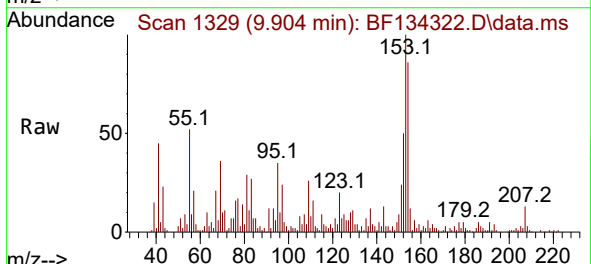
Tgt Ion:152 Resp: 21158
Ion Ratio Lower Upper
152 100
151 35.5 16.2 24.2
153 20.8 10.8 16.2

Manual Integrations
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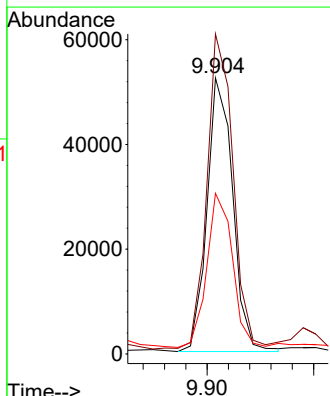
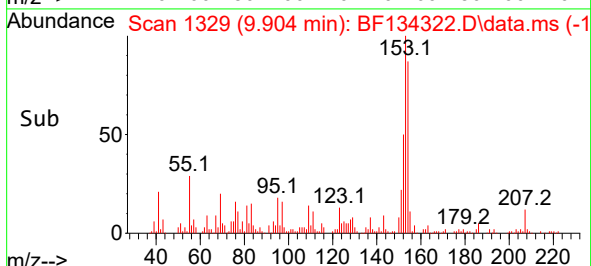
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

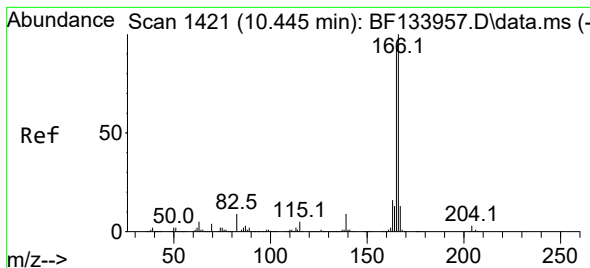


#52
Acenaphthene
Concen: 7.496 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF134322.D
Acq: 17 Jul 2023 18:42



Tgt Ion:154 Resp: 43957
Ion Ratio Lower Upper
154 100
153 115.9 89.4 134.2
152 58.2 42.8 64.2





#58

Fluorene

Concen: 4.756 ng

RT: 10.427 min Scan# 1418

Delta R.T. -0.006 min

Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-204

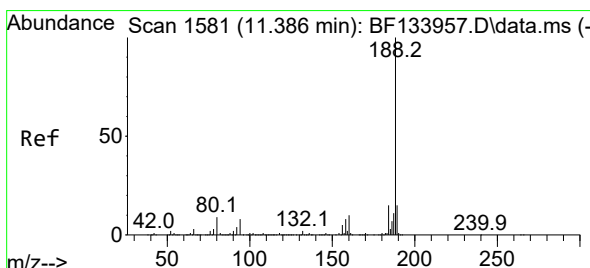
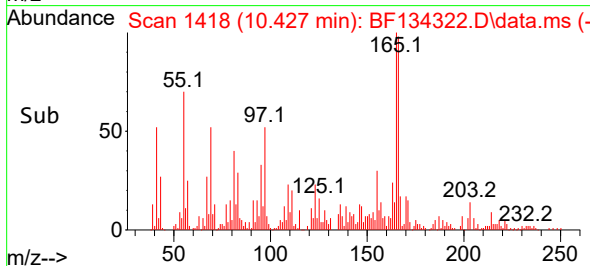
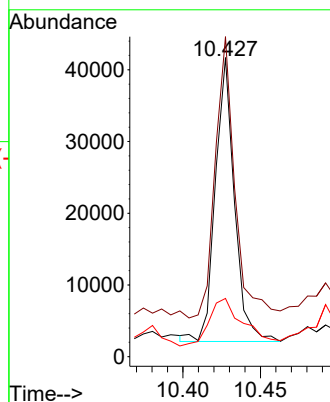
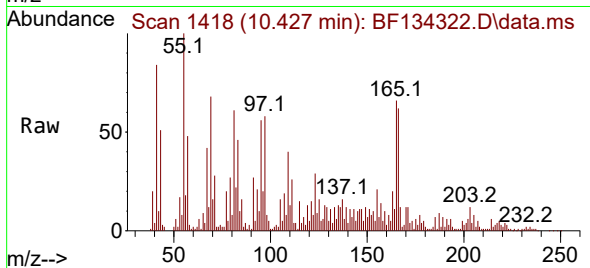
Tgt Ion:166	Resp:	33908
Ion Ratio	Lower	Upper
166	100	
165	107.0	75.0 112.4
167	19.5	10.6 15.8

Manual Integrations

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Supervised By :mohammad ahmed 07/19/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

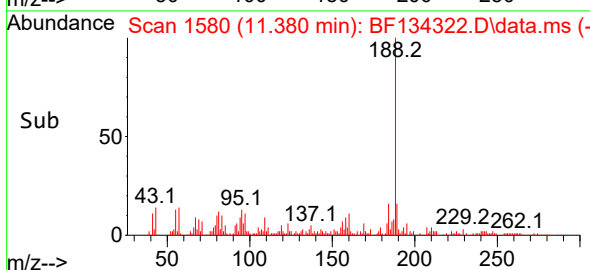
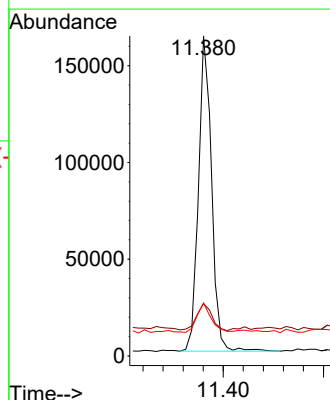
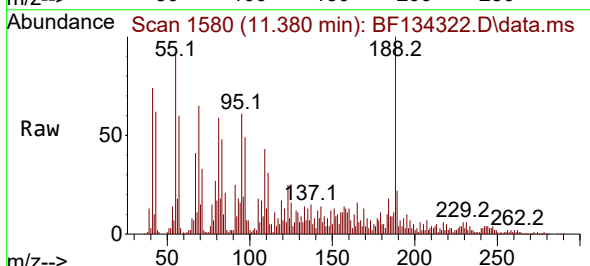
RT: 11.380 min Scan# 1580

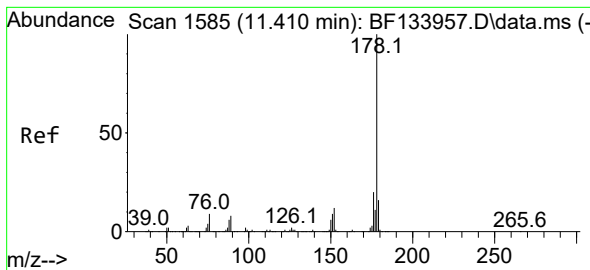
Delta R.T. 0.006 min

Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

Tgt Ion:188	Resp:	147793
Ion Ratio	Lower	Upper
188	100	
94	16.4	6.4 9.6#
80	16.6	7.3 10.9#





#71

Phenanthrene

Concen: 83.306 ng

RT: 11.410 min Scan# 1585

Delta R.T. 0.006 min

Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-204

Tgt Ion:178 Resp: 619808

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

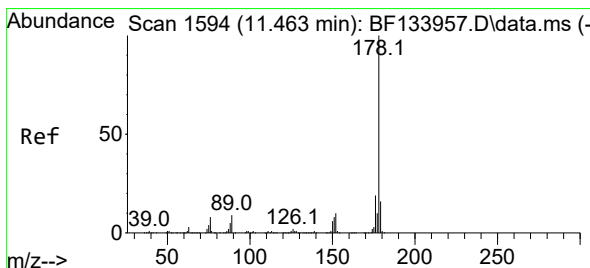
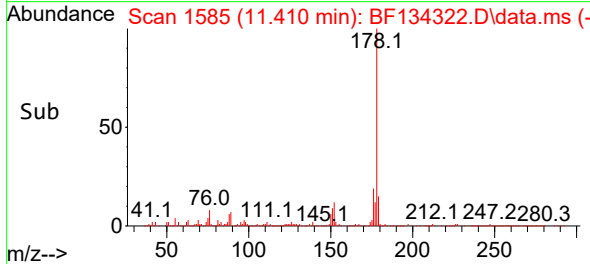
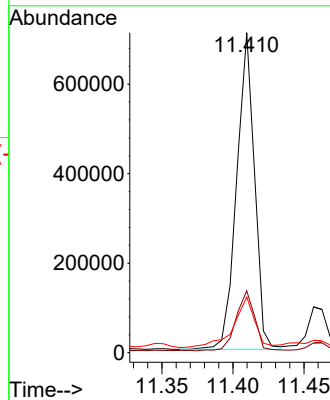
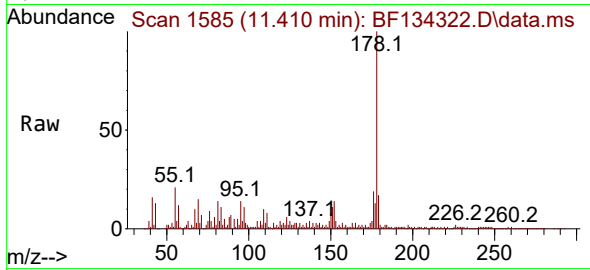
179 17.4 12.4 18.6

Manual Integrations

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Supervised By :mohammad ahmed 07/19/2023



#72

Anthracene

Concen: 10.292 ng m

RT: 11.457 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

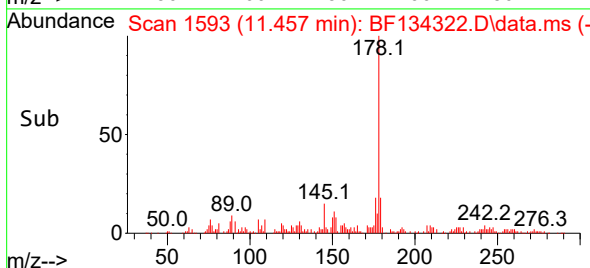
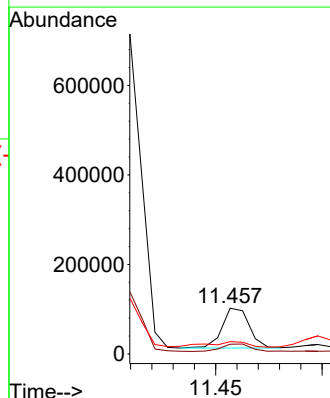
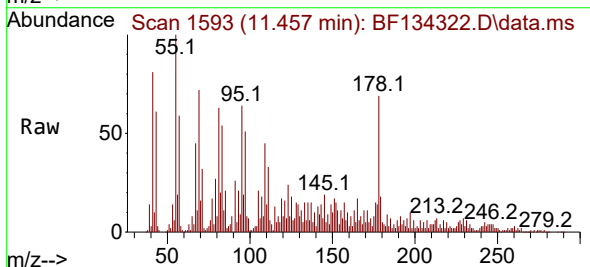
Tgt Ion:178 Resp: 79649

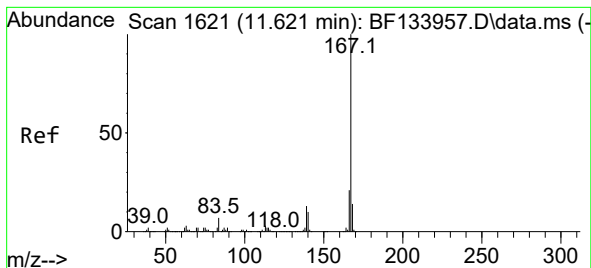
Ion Ratio Lower Upper

178 100

176 21.3 15.3 22.9

179 26.8 12.4 18.6#





#73

Carbazole

Concen: 11.324 ng

RT: 11.616 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-204

Tgt Ion:167 Resp: 8021

Ion Ratio Lower Upper

167 100

166 29.1 17.0 25.6

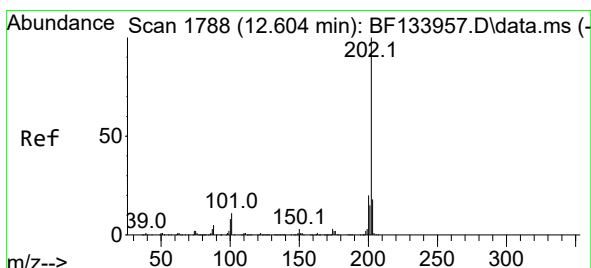
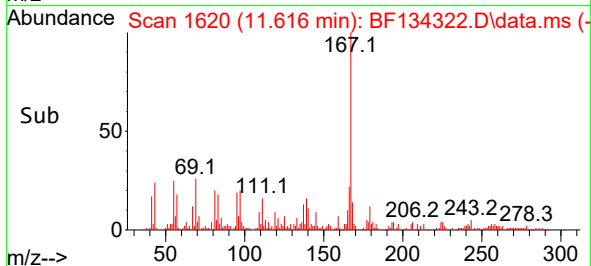
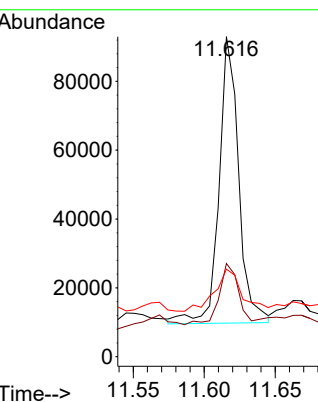
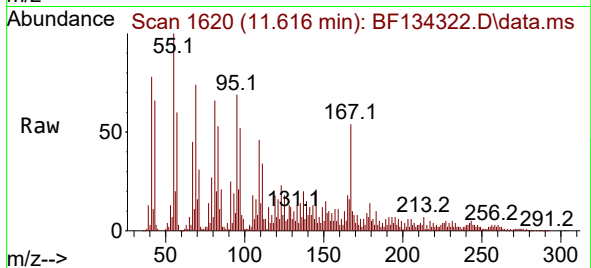
139 27.3 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#75

Fluoranthene

Concen: 186.178 ng

RT: 12.621 min Scan# 1791

Delta R.T. 0.024 min

Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

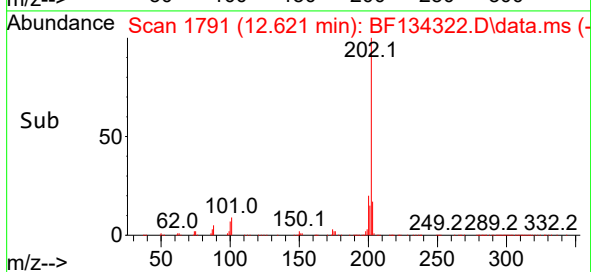
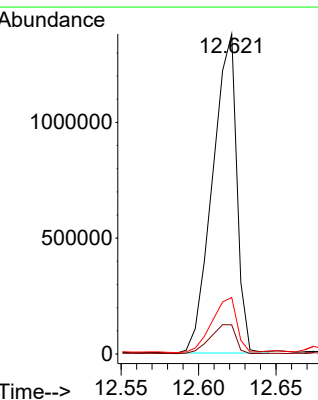
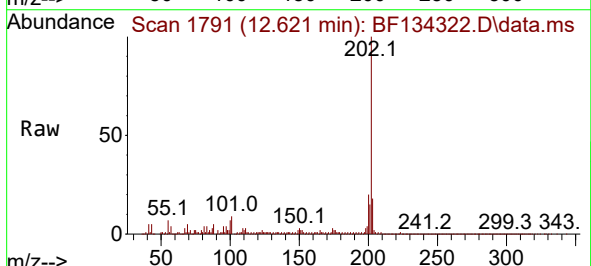
Tgt Ion:202 Resp: 1497520

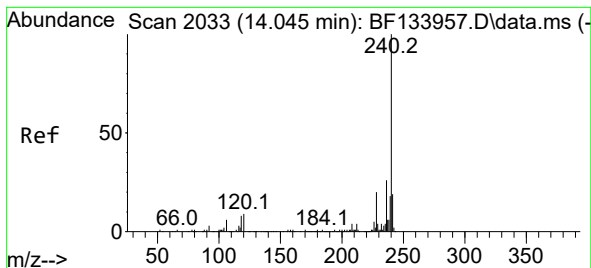
Ion Ratio Lower Upper

202 100

101 9.1 0.0 31.0

203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-204

Tgt Ion:240 Resp: 110638

Ion Ratio Lower Upper

240 100

120 8.7 7.4 11.0

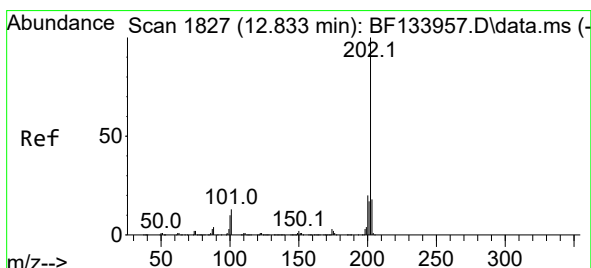
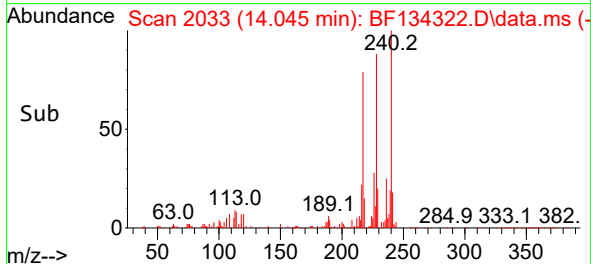
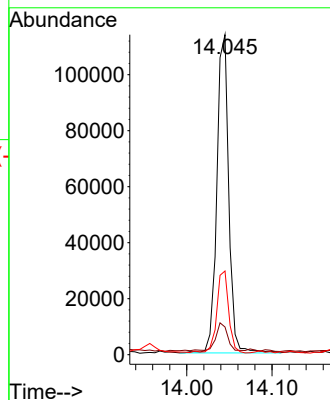
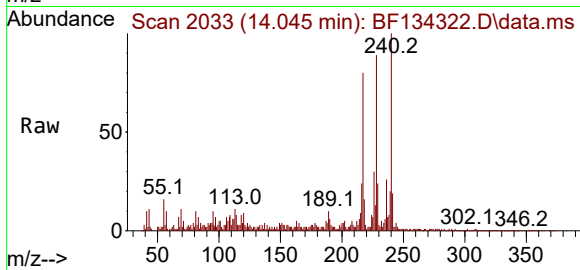
236 26.1 21.0 31.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#78

Pyrene

Concen: 125.989 ng

RT: 12.851 min Scan# 1830

Delta R.T. 0.018 min

Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

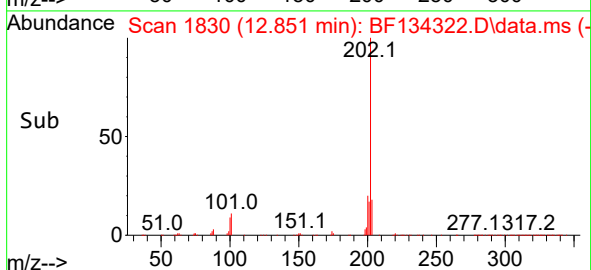
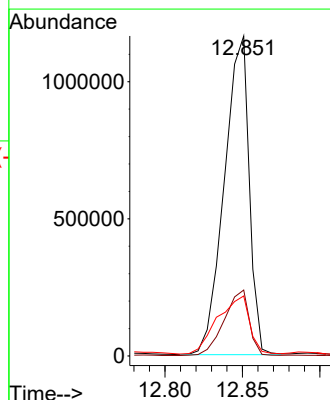
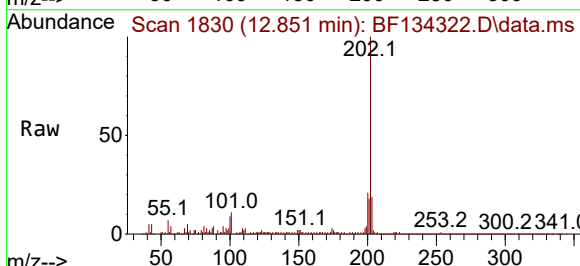
Tgt Ion:202 Resp: 1297231

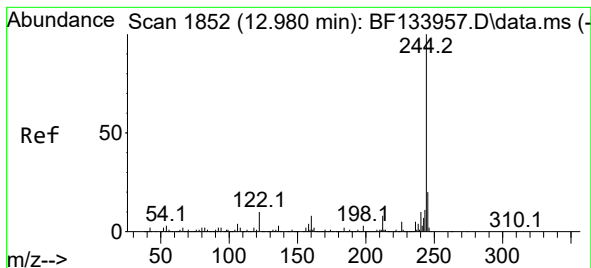
Ion Ratio Lower Upper

202 100

200 20.6 16.1 24.1

203 18.8 14.3 21.5





#79

Terphenyl-d14

Concen: 60.558 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.006 min

Lab File: BF134322.D

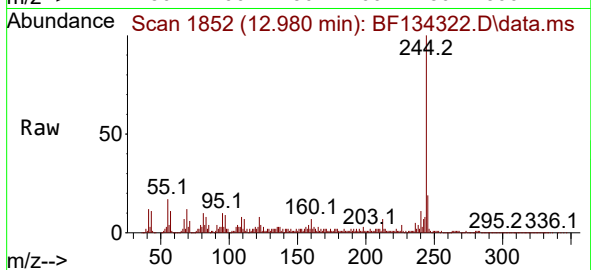
Acq: 17 Jul 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-204



Tgt Ion:244 Resp: 41629

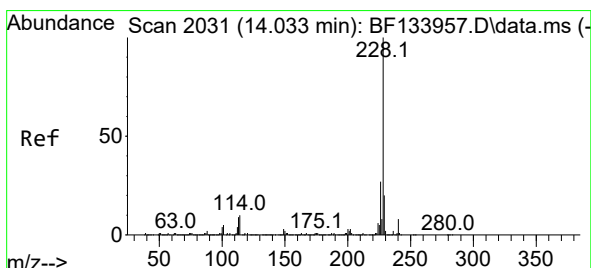
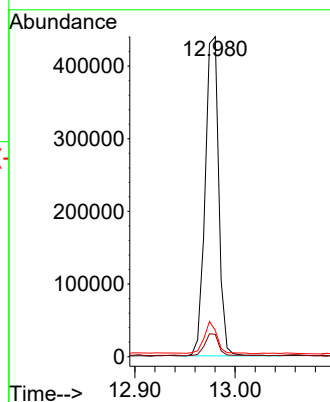
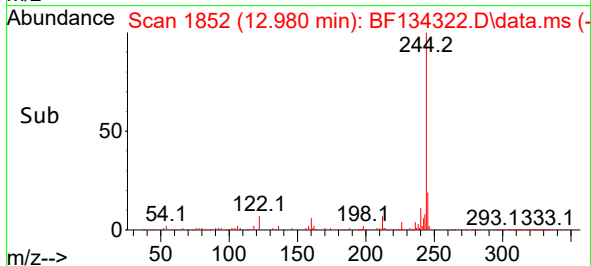
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	8.2	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#81

Benzo(a)anthracene

Concen: 75.475 ng

RT: 14.033 min Scan# 2031

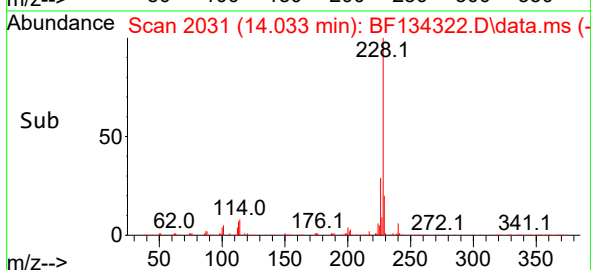
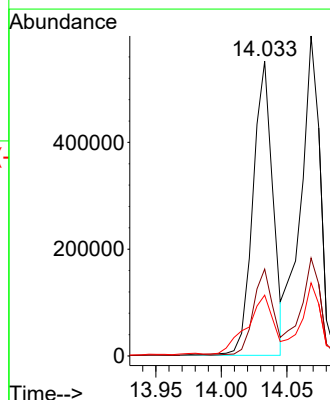
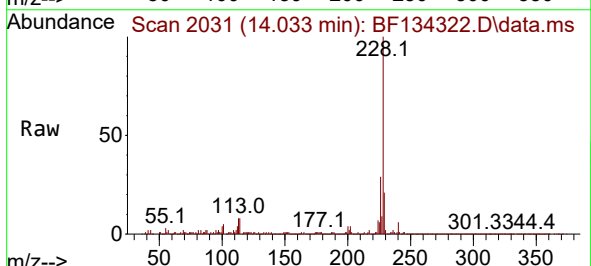
Delta R.T. 0.006 min

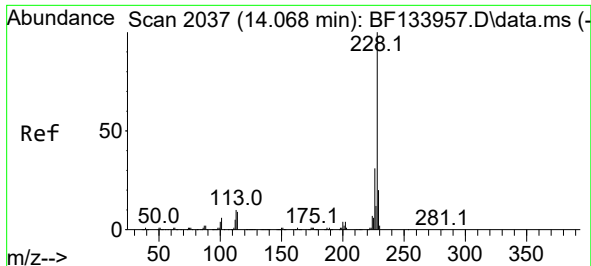
Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

Tgt Ion:228 Resp: 579116

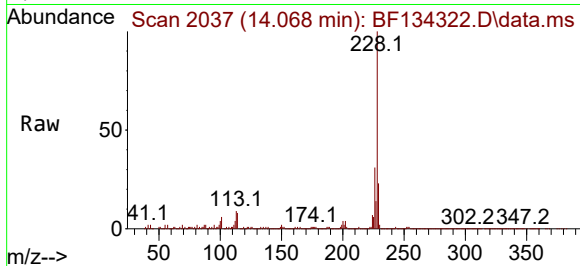
Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.0	33.0
229	20.6	16.3	24.5





#83
Chrysene
Concen: 82.945 ng m
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134322.D
Acq: 17 Jul 2023 18:42

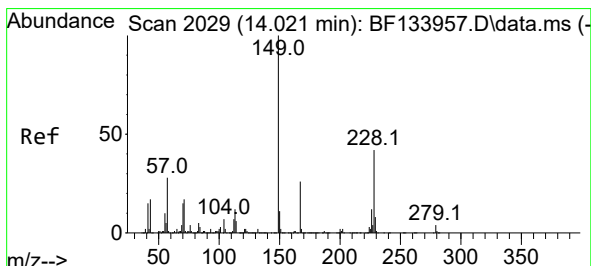
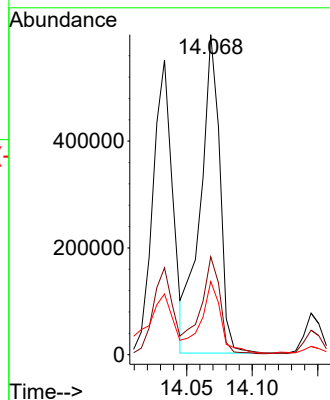
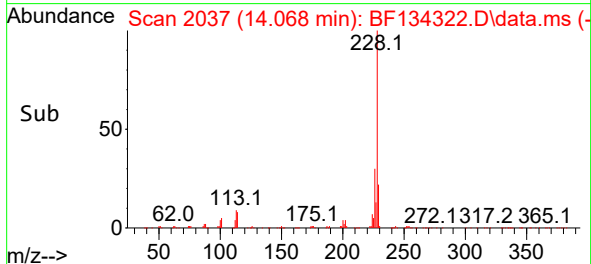
Instrument :
BNA_F
ClientSampleId :
VNJ-204



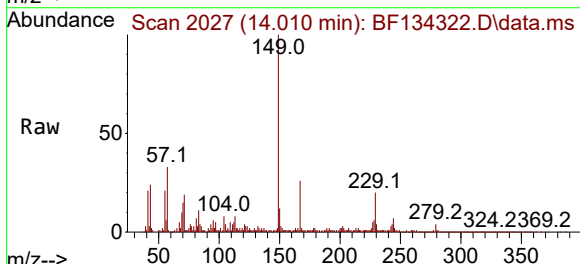
Tgt Ion:228 Resp: 616425
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.9 16.1 24.1

Manual Integrations
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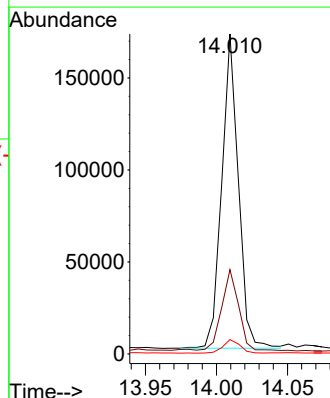
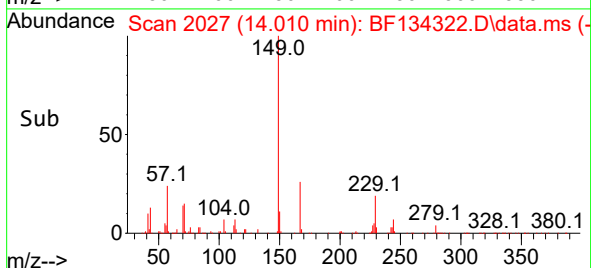
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

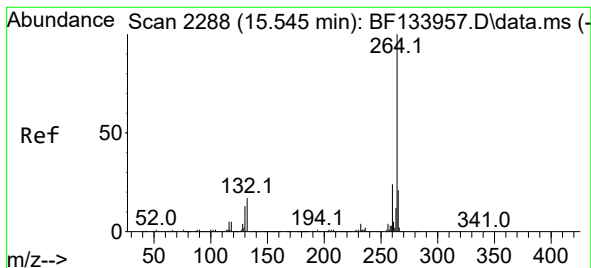


#84
Bis(2-ethylhexyl)phthalate
Concen: 31.257 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF134322.D
Acq: 17 Jul 2023 18:42



Tgt Ion:149 Resp: 138694
Ion Ratio Lower Upper
149 100
167 26.4 21.0 31.4
279 4.5 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-204

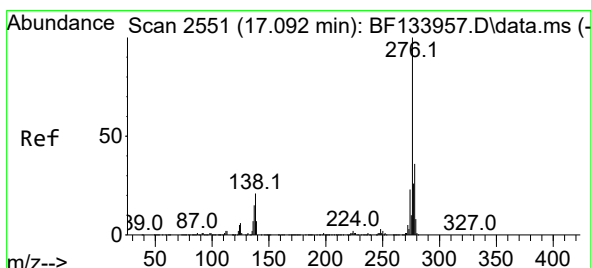
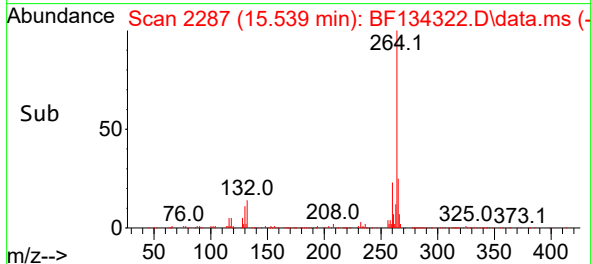
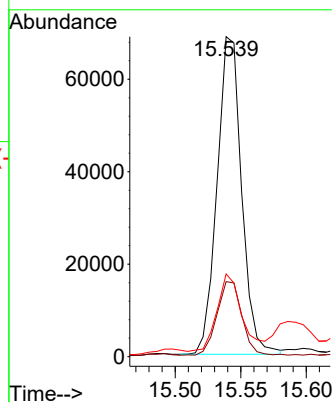
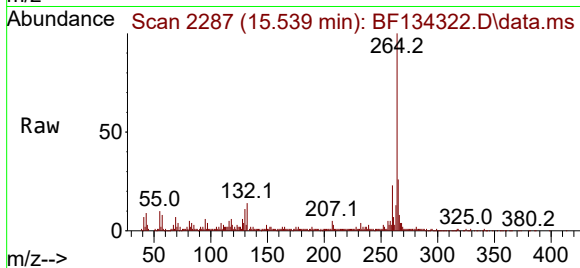
Tgt Ion:	264	Resp:	89379
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.5	29.3
265	25.8	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 40.543 ng

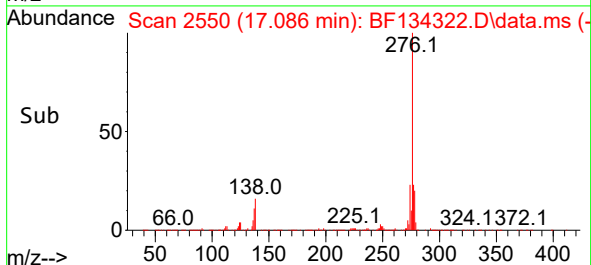
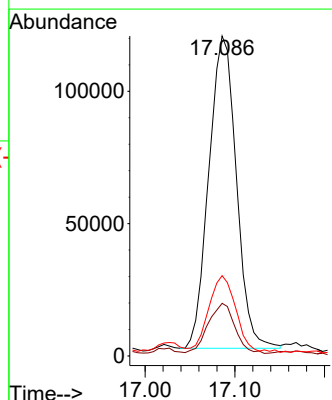
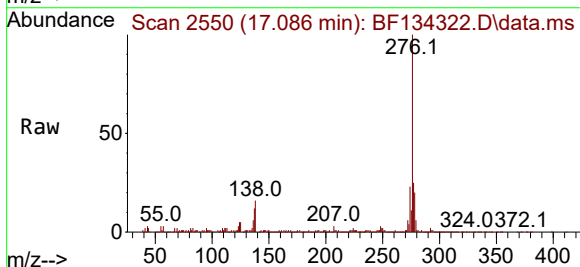
RT: 17.086 min Scan# 2550

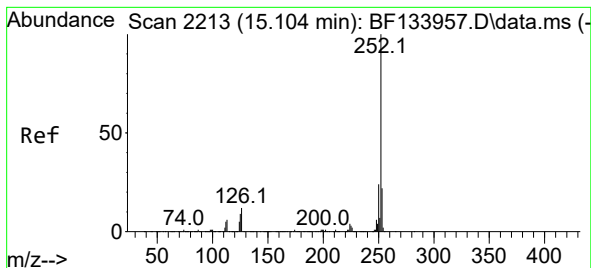
Delta R.T. -0.012 min

Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

Tgt Ion:	276	Resp:	251451
Ion Ratio	Lower	Upper	
276	100		
138	15.4	18.7	28.1
277	24.9	19.9	29.9





#88

Benzo(b)fluoranthene

Concen: 129.625 ng m

RT: 15.104 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-204

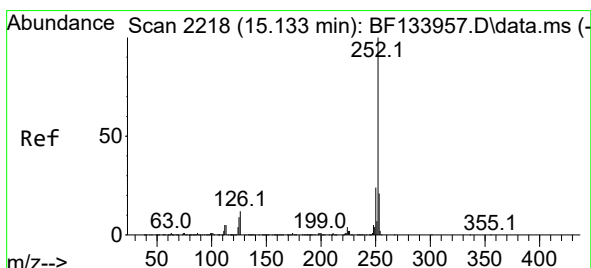
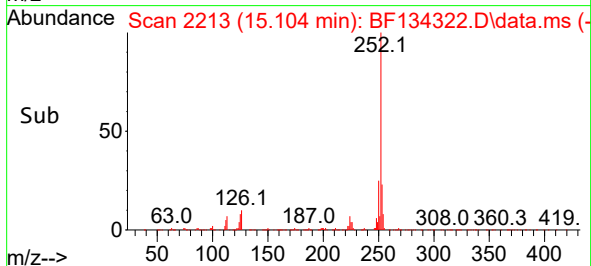
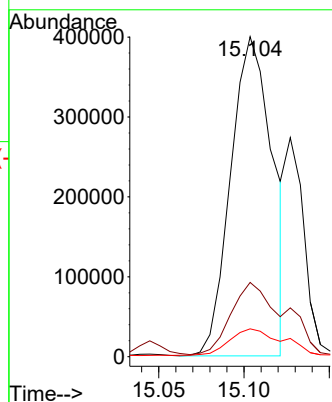
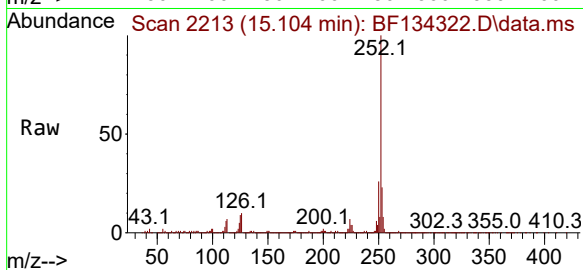
Tgt Ion:252 Resp: 68125
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.4 26.0
 125 8.7 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#89

Benzo(k)fluoranthene

Concen: 37.560 ng m

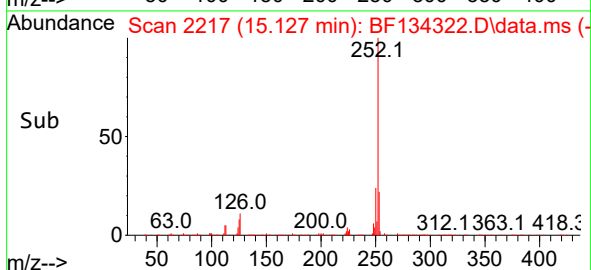
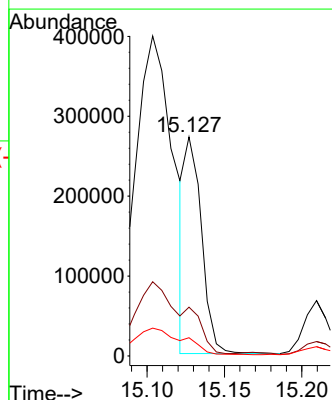
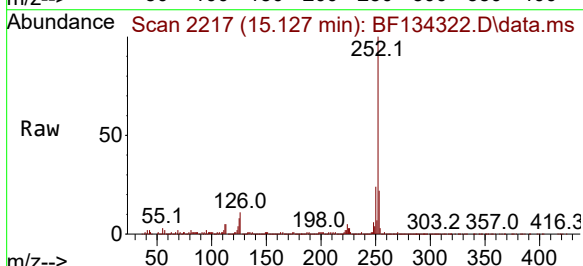
RT: 15.127 min Scan# 2217

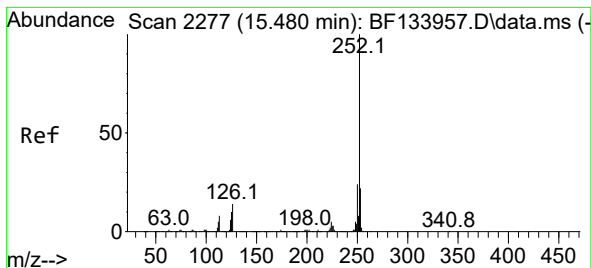
Delta R.T. -0.006 min

Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

Tgt Ion:252 Resp: 200983
 Ion Ratio Lower Upper
 252 100
 253 22.3 16.9 25.3
 125 8.3 7.4 11.2





#90

Benzo(a)pyrene

Concen: 77.728 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-204

Tgt Ion:252 Resp: 39501

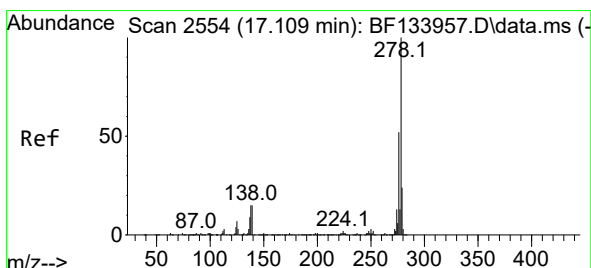
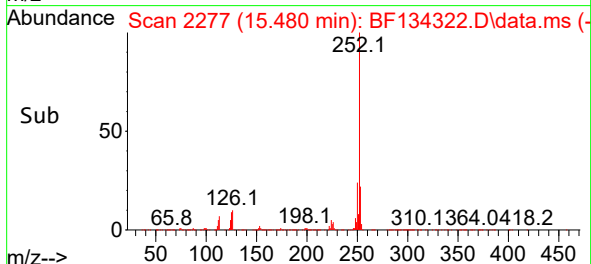
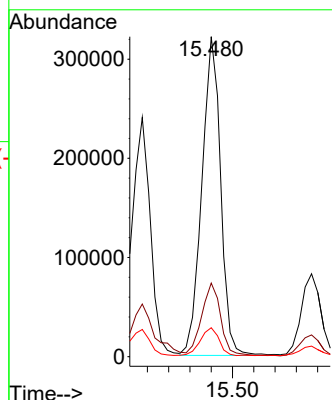
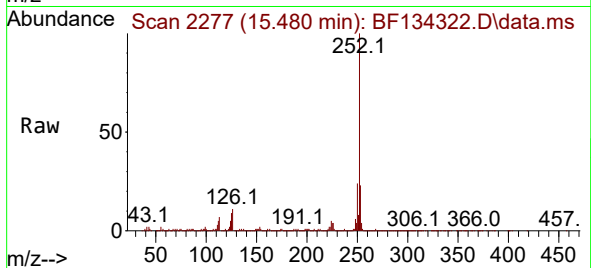
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	9.1	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#91

Dibenzo(a,h)anthracene

Concen: 11.446 ng

RT: 17.092 min Scan# 2551

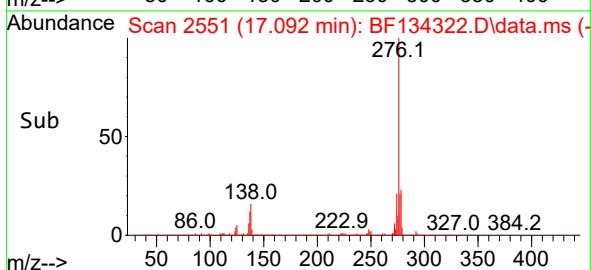
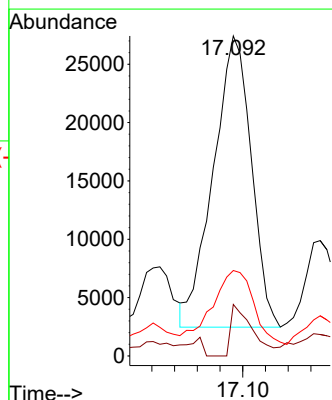
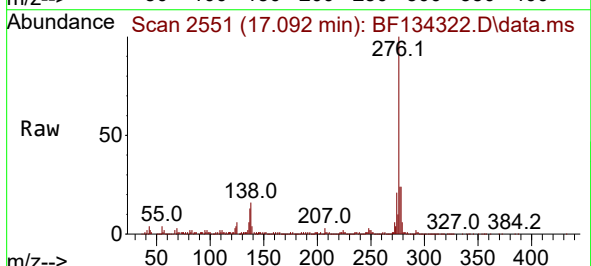
Delta R.T. -0.018 min

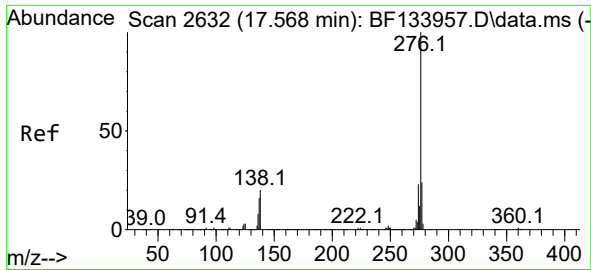
Lab File: BF134322.D

Acq: 17 Jul 2023 18:42

Tgt Ion:278 Resp: 57980

Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.2	18.4
279	26.7	19.4	29.2





#92

Benzo(g,h,i)perylene

Concen: 46.403 ng

RT: 17.562 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134322.D

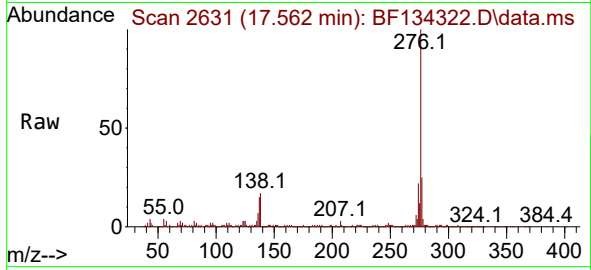
Acq: 17 Jul 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-204



Tgt Ion:276 Resp: 24241

Ion Ratio Lower Upper

276 100

277 24.8 19.0 28.6

138 16.9 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023

