

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134339.D
 Acq On : 18 Jul 2023 15:43
 Operator : CG\JU
 Sample : 03615-06DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204DL

Manual Integrations
 APPROVED

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

Quant Time: Jul 18 16:53:01 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	6.840	152	65092	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	249505	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	124589	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	207530	20.000	ng	0.00
76) Chrysene-d12	14.033	240	165271	20.000	ng	0.00
86) Perylene-d12	15.539	264	158586	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	76210	19.585	ng	0.00
7) Phenol-d6	6.475	99	96302	20.124	ng	-0.01
23) Nitrobenzene-d5	7.398	82	63845	13.794	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	31981	20.473	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	133231	15.547	ng	-0.01
79) Terphenyl-d14	12.969	244	143251	13.950	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	216016	20.677	ng	98
72) Anthracene	11.451	178	25607m	2.357	ng	
73) Carbazole	11.610	167	23216	2.334	ng	# 72
75) Fluoranthene	12.598	202	526761	46.638	ng	99
78) Pyrene	12.833	202	446377	29.022	ng	99
81) Benzo(a)anthracene	14.027	228	210648	18.378	ng	99
83) Chrysene	14.063	228	225240	20.289	ng	98
84) Bis(2-ethylhexyl)phtha...	14.004	149	48317	7.289	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	103544	9.409	ng	# 93
88) Benzo(b)fluoranthene	15.098	252	278396m	29.855	ng	
89) Benzo(k)fluoranthene	15.121	252	83484m	8.793	ng	
90) Benzo(a)pyrene	15.474	252	180753	20.045	ng	96
91) Dibenzo(a,h)anthracene	17.092	278	25763	2.866	ng	96
92) Benzo(g,h,i)perylene	17.557	276	107078	11.552	ng	95

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

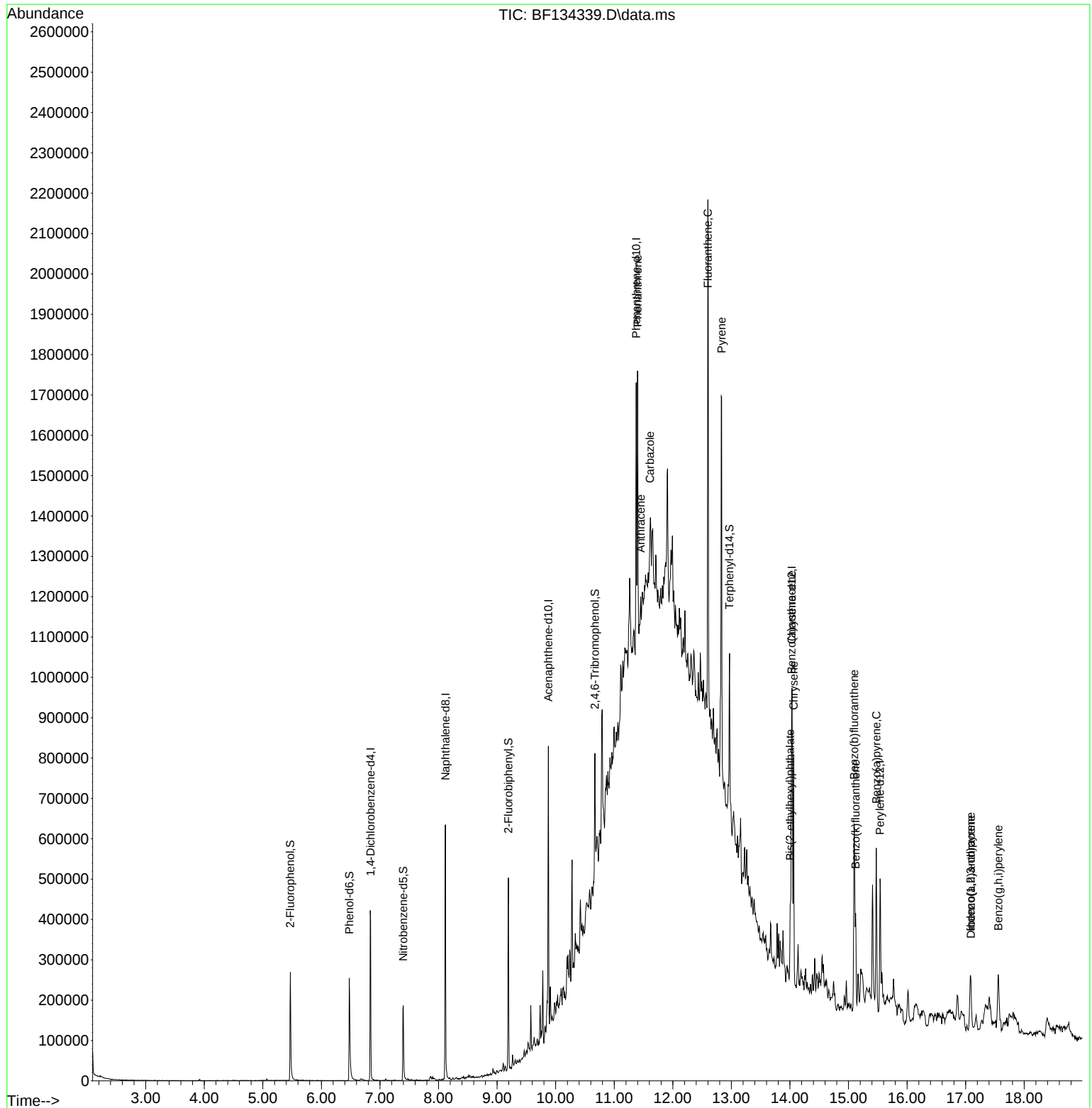
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
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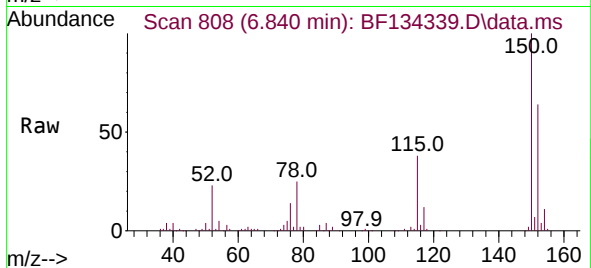
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

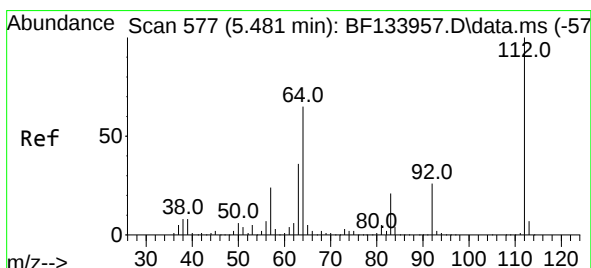
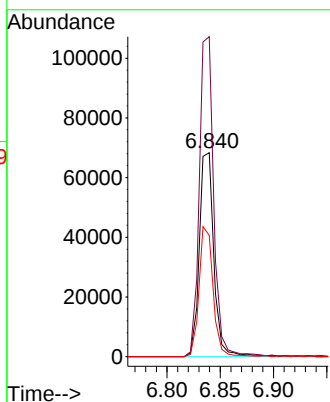
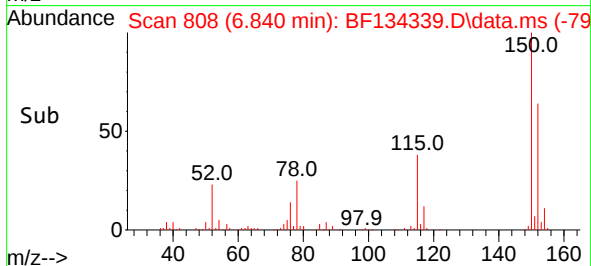
Instrument :
BNA_F
ClientSampleId :
VNJ-204DL



Tgt Ion:152 Resp: 65092
Ion Ratio Lower Upper
152 100
150 156.9 124.5 186.7
115 59.5 50.2 75.2

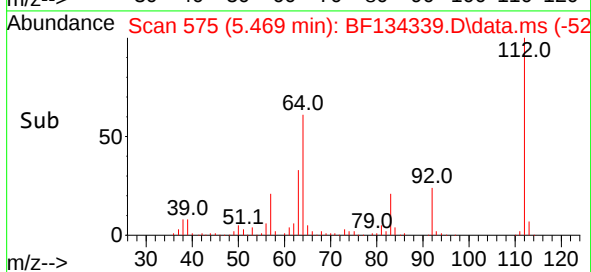
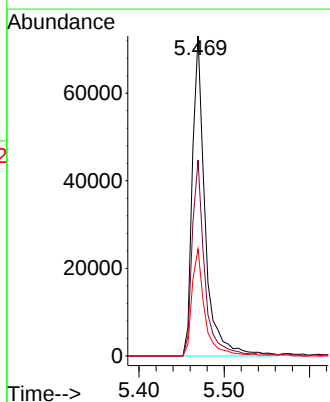
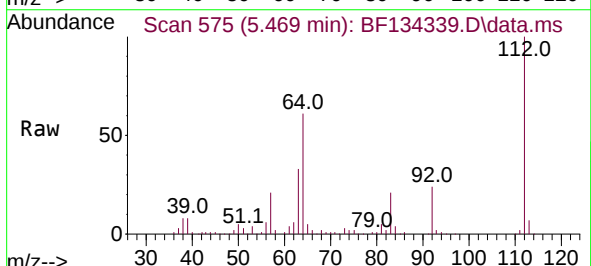
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Supervised By :mohammad ahmed 07/19/2023



#5
2-Fluorophenol
Concen: 19.585 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

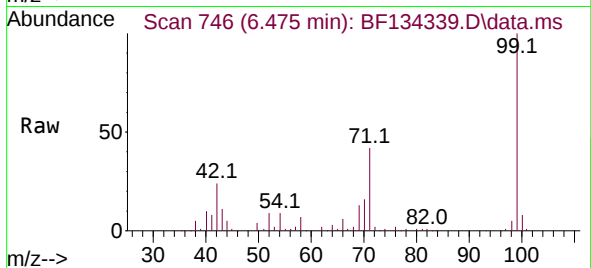
Tgt Ion:112 Resp: 76210
Ion Ratio Lower Upper
112 100
64 61.2 52.1 78.1
63 33.5 28.6 42.8





#7
Phenol-d6
Concen: 20.124 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

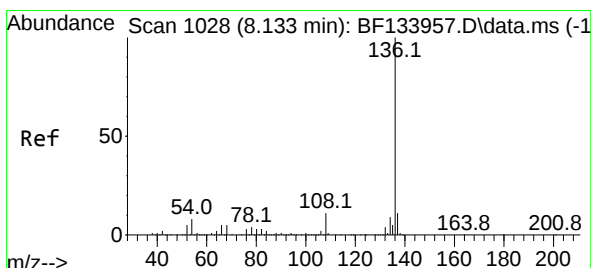
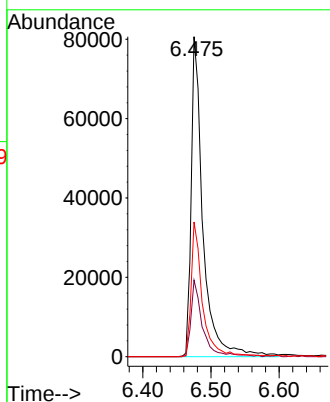
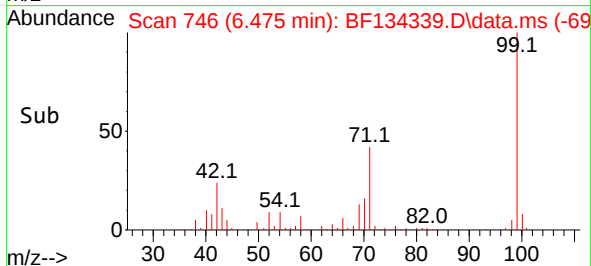
Instrument :
BNA_F
ClientSampleId :
VNJ-204DL



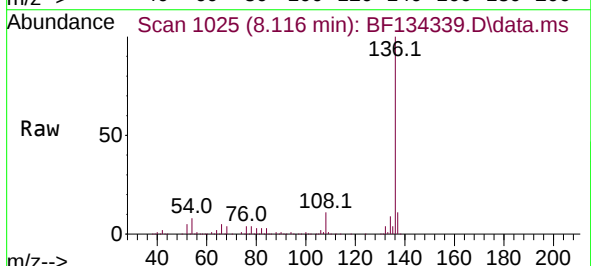
Tgt Ion: 99 Resp: 96302
Ion Ratio Lower Upper
99 100
42 23.9 19.8 29.6
71 42.1 31.9 47.9

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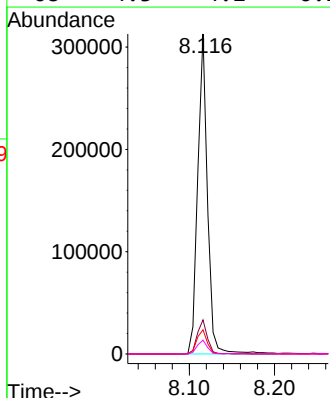
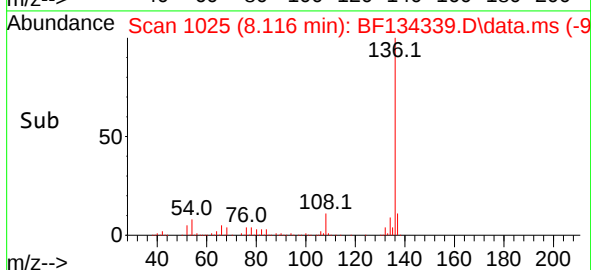
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

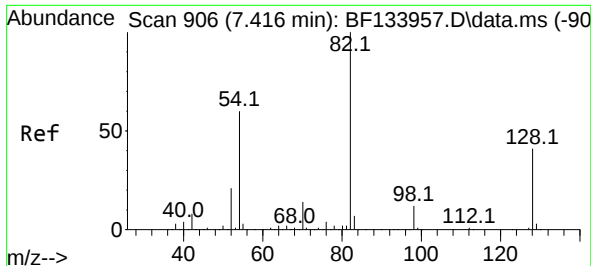


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43



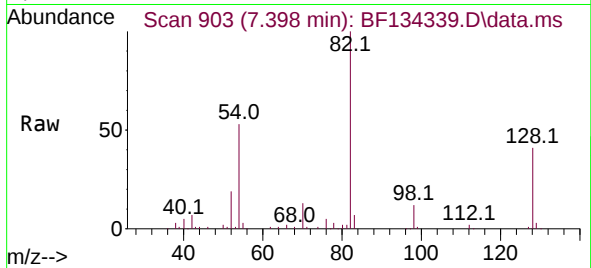
Tgt Ion:136 Resp: 249505
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 7.6 6.5 9.7
68 4.3 4.2 6.2





#23
Nitrobenzene-d5
Concen: 13.794 ng
RT: 7.398 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

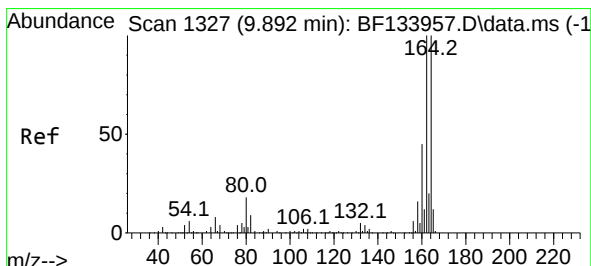
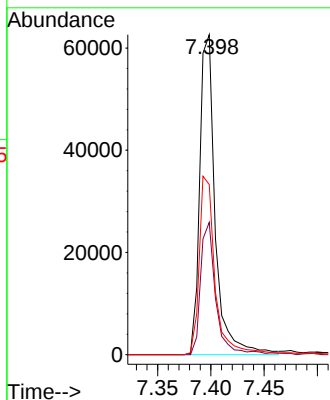
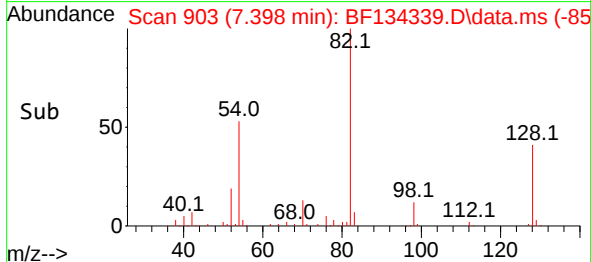
Instrument :
BNA_F
ClientSampleId :
VNJ-204DL



Tgt Ion: 82 Resp: 6384
Ion Ratio Lower Upper
82 100
128 41.4 32.5 48.7
54 53.2 48.2 72.2

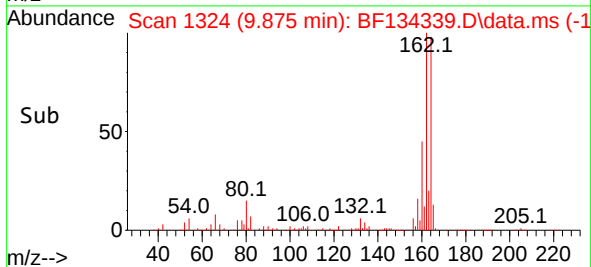
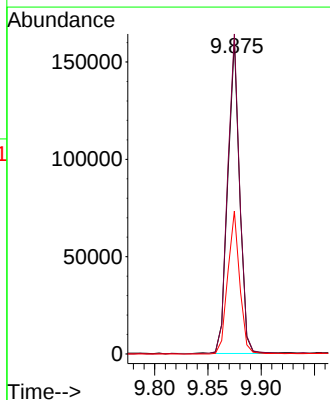
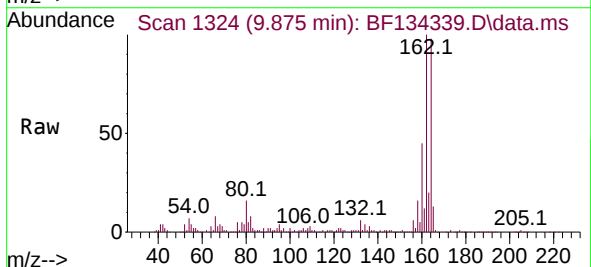
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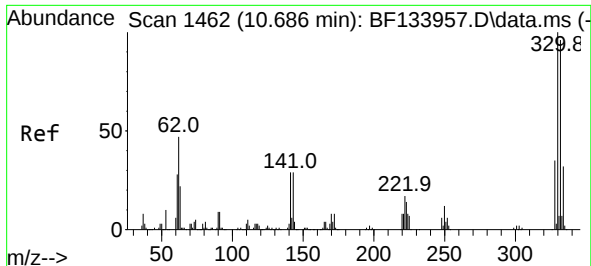
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

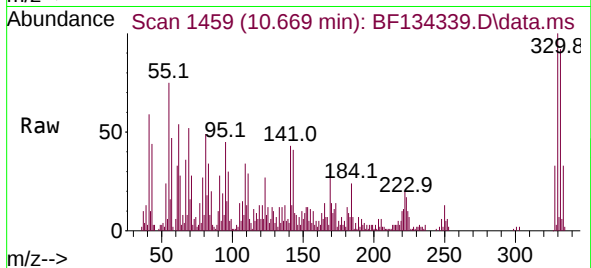
Tgt Ion:164 Resp: 124589
Ion Ratio Lower Upper
164 100
162 101.9 80.0 120.0
160 45.5 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 20.473 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

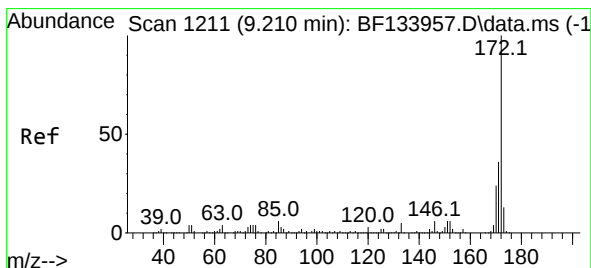
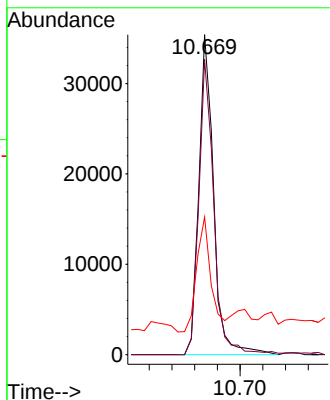
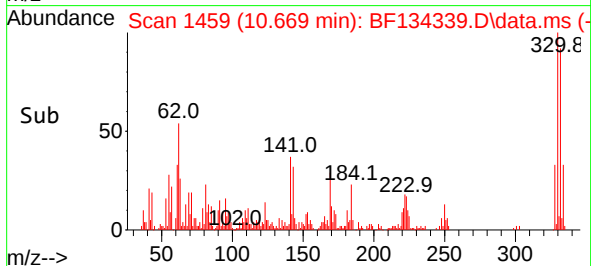
Instrument :
BNA_F
ClientSampleId :
VNJ-204DL



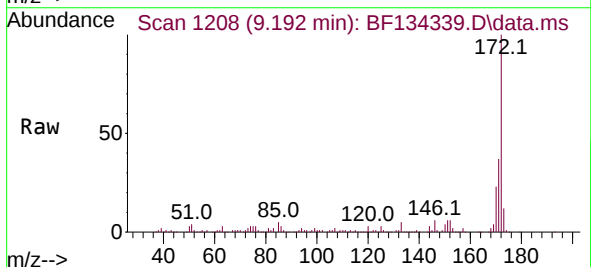
Tgt Ion: 330 Resp: 3198
Ion Ratio Lower Upper
330 100
332 93.7 77.0 115.6
141 34.9 26.3 39.5

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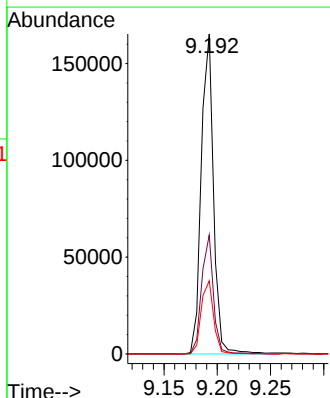
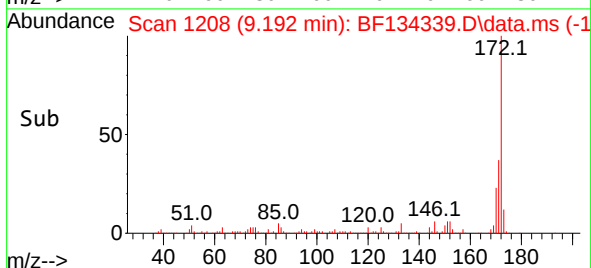
Reviewed By : Yogesh Patel 07/19/2023
Supervised By : mohammad ahmed 07/19/2023

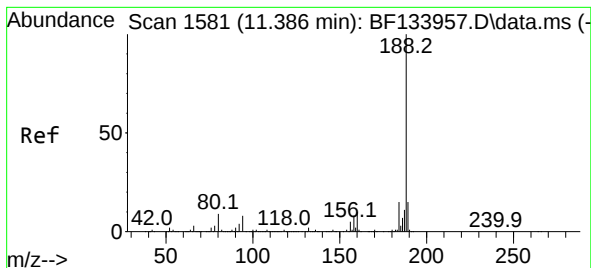


#45
2-Fluorobiphenyl
Concen: 15.547 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43



Tgt Ion: 172 Resp: 133231
Ion Ratio Lower Upper
172 100
171 37.2 28.6 43.0
170 22.9 19.4 29.0





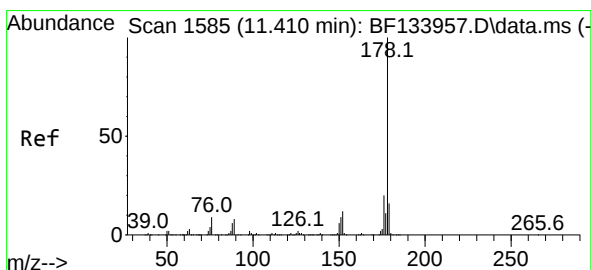
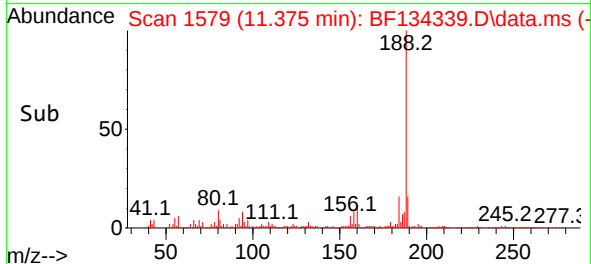
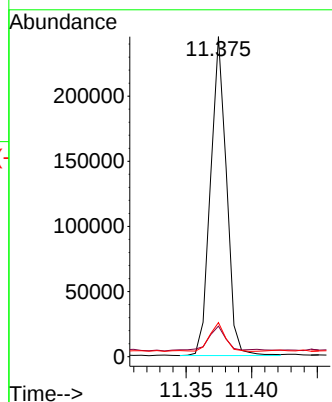
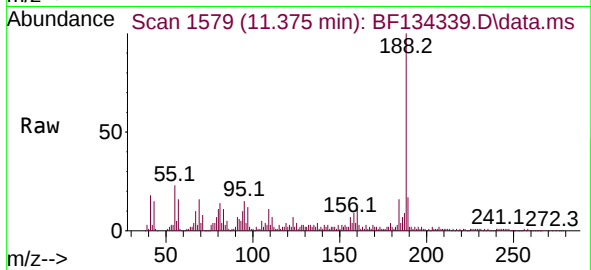
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Instrument :
BNA_F
ClientSampleId :
VNJ-204DL

Tgt Ion:188 Resp: 207530
Ion Ratio Lower Upper
188 100
94 9.5 6.4 9.6
80 10.7 7.3 10.9

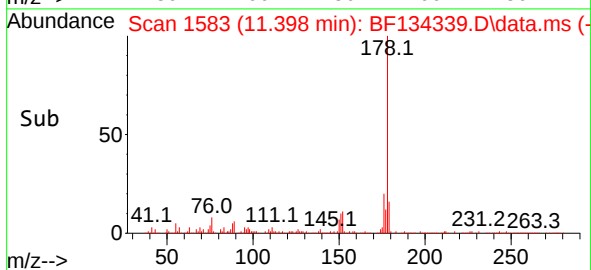
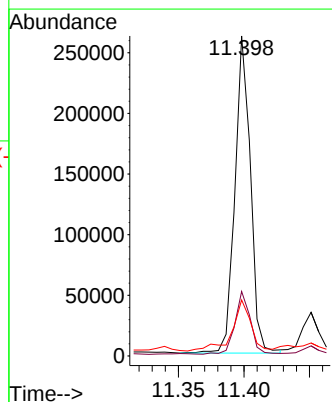
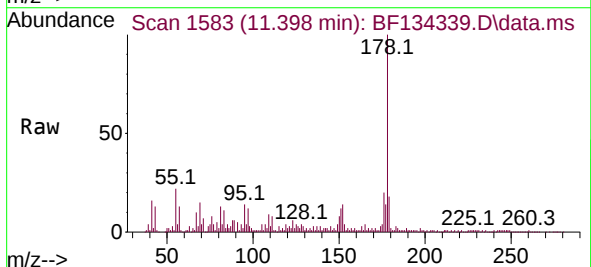
Manual Integrations
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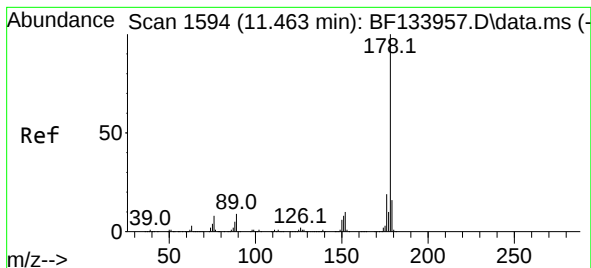
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#71
Phenanthrene
Concen: 20.677 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Tgt Ion:178 Resp: 216016
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 17.5 12.4 18.6





#72

Anthracene

Concen: 2.357 ng m

RT: 11.451 min Scan# 11451

Delta R.T. -0.006 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

Instrument :

BNA_F

ClientSampleId :

VNJ-204DL

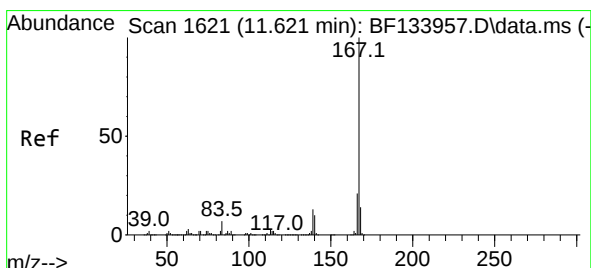
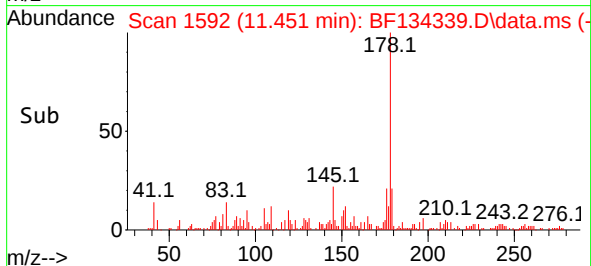
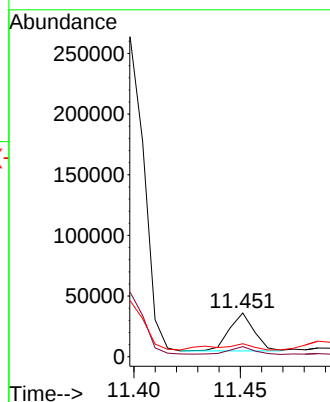
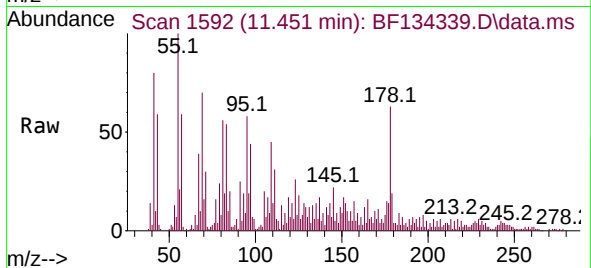
Tgt Ion:178	Resp:	2560
Ion Ratio	Lower	Upper
178	100	
176	23.0	15.3 22.9
179	29.6	12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#73

Carbazole

Concen: 2.334 ng

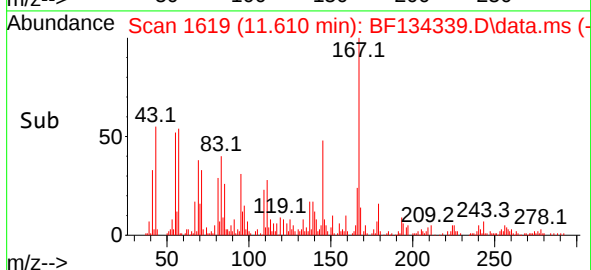
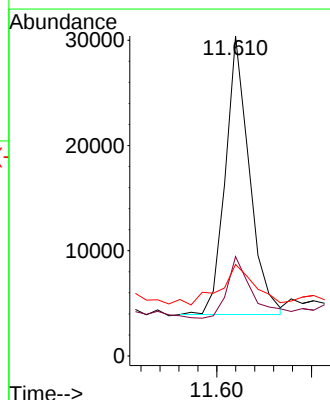
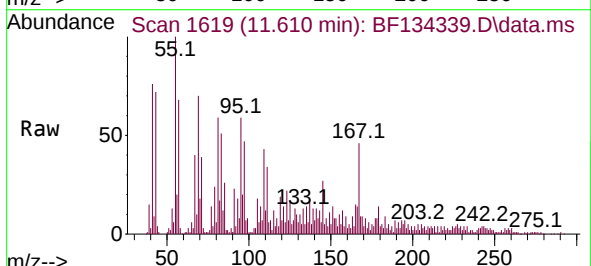
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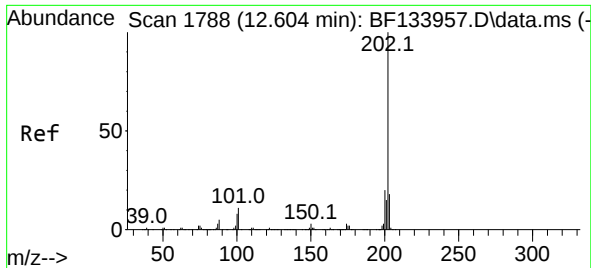
Delta R.T. -0.006 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

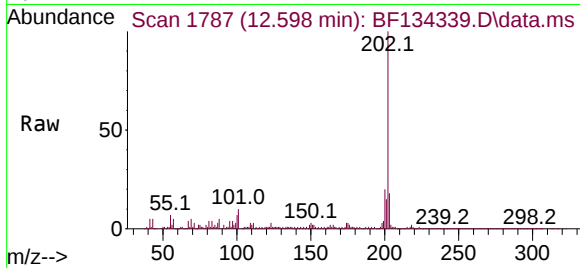
Tgt Ion:167	Resp:	23216
Ion Ratio	Lower	Upper
167	100	
166	31.0	17.0 25.6
139	28.6	10.4 15.6





#75
Fluoranthene
Concen: 46.638 ng
RT: 12.598 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

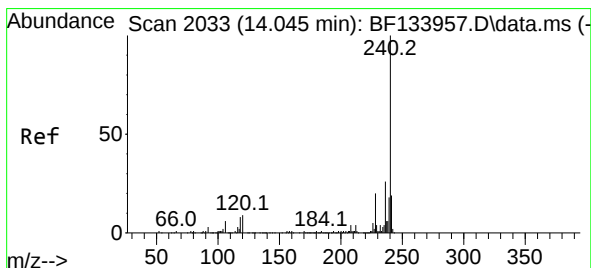
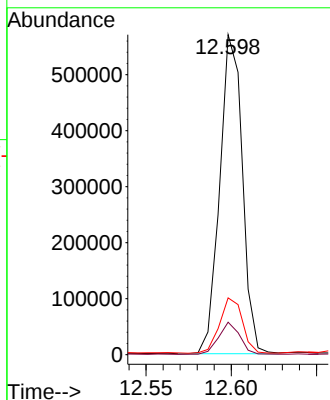
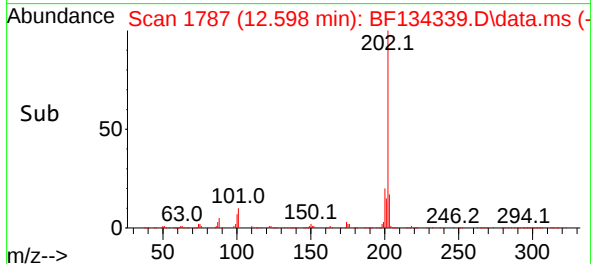
Instrument :
BNA_F
ClientSampleId :
VNJ-204DL



Tgt Ion:202 Resp: 52676
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.0
203 17.7 0.0 37.6

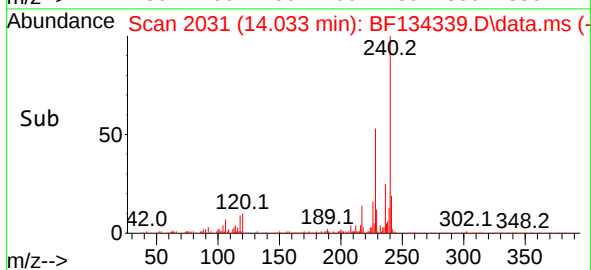
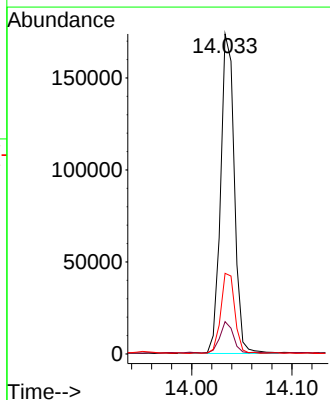
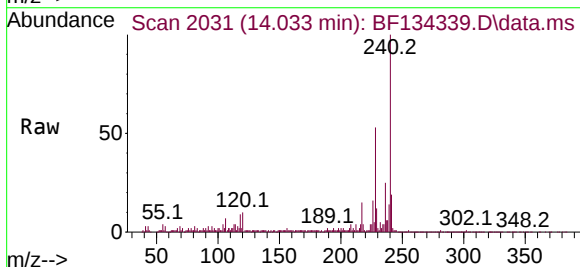
Manual Integrations
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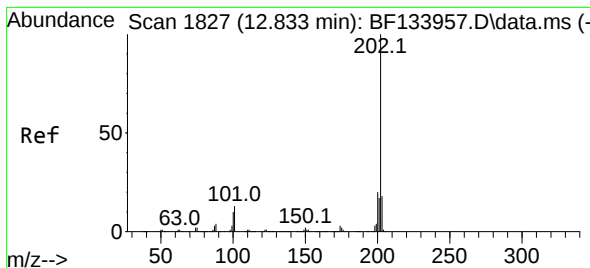
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Tgt Ion:240 Resp: 165271
Ion Ratio Lower Upper
240 100
120 10.1 7.4 11.0
236 25.2 21.0 31.6





#78

Pyrene

Concen: 29.022 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

Instrument :

BNA_F

ClientSampleId :

VNJ-204DL

Tgt Ion:202 Resp: 44637

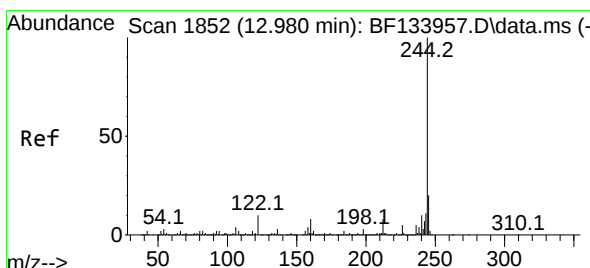
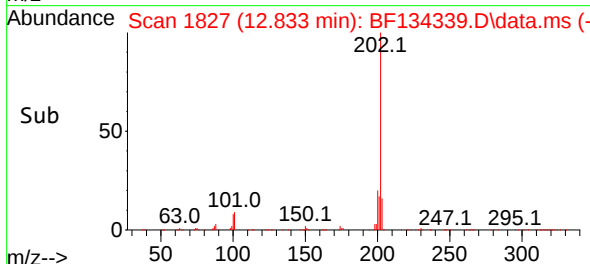
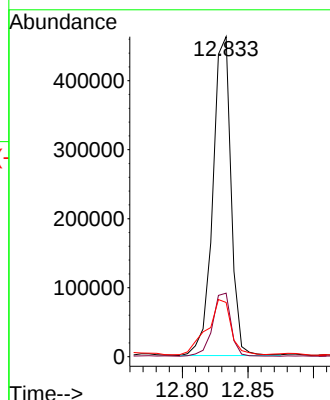
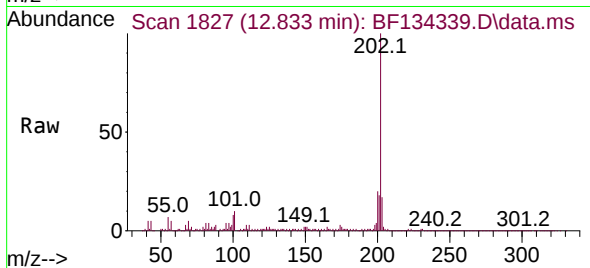
Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.1	24.1
203	16.9	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#79

Terphenyl-d14

Concen: 13.950 ng

RT: 12.969 min Scan# 1850

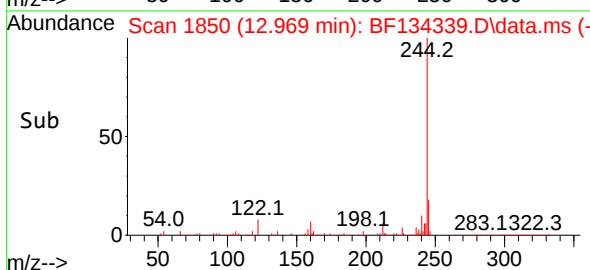
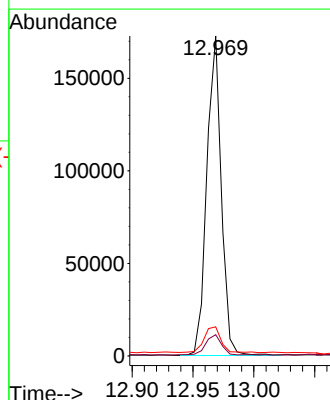
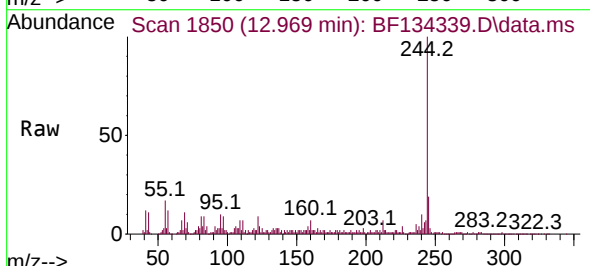
Delta R.T. -0.006 min

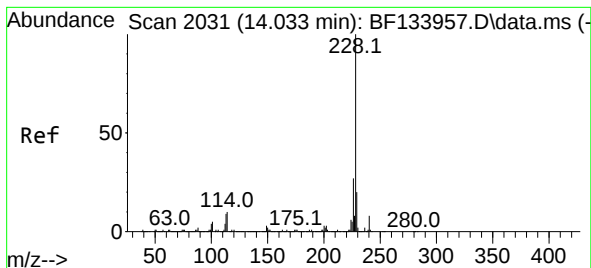
Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

Tgt Ion:244 Resp: 143251

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	9.1	8.3	12.5





#81

Benzo(a)anthracene

Concen: 18.378 ng

RT: 14.027 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

Instrument :

BNF_F

ClientSampleId :

VNJ-204DL

Tgt Ion:228 Resp: 21064

Ion Ratio Lower Upper

228 100

226 28.0 22.0 33.0

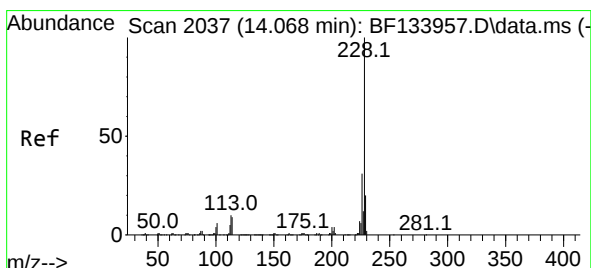
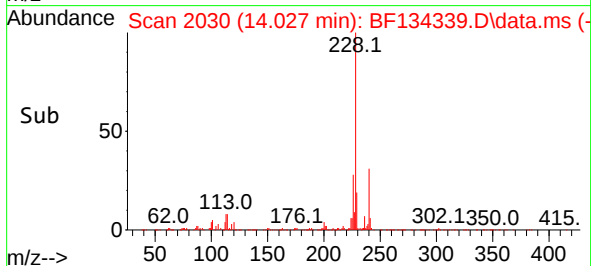
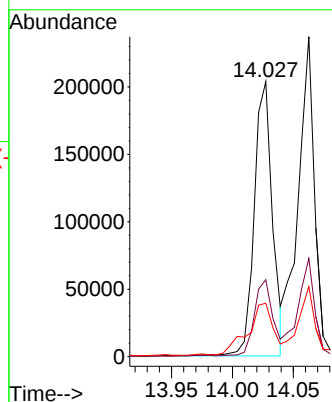
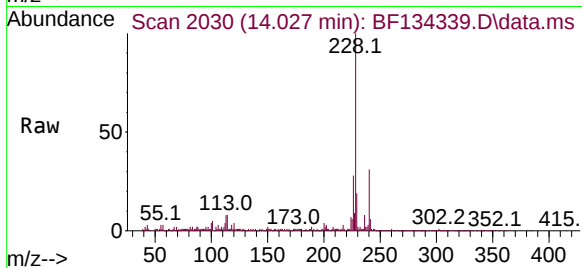
229 19.5 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#83

Chrysene

Concen: 20.289 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

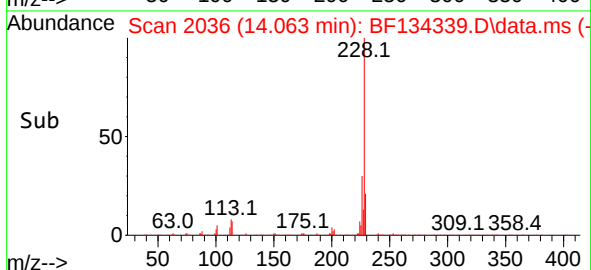
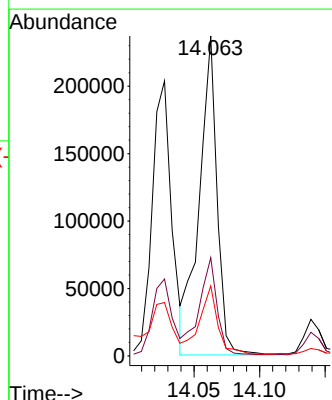
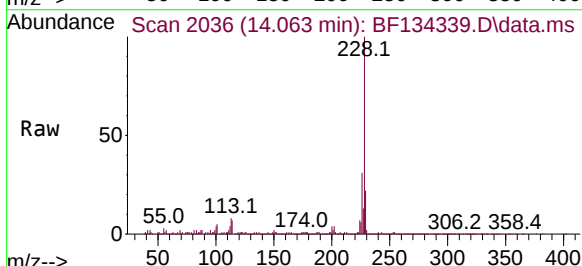
Tgt Ion:228 Resp: 225240

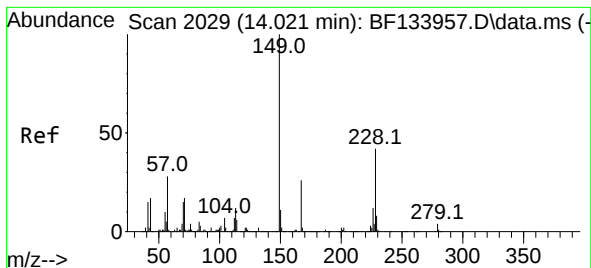
Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

229 21.9 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 7.289 ng
RT: 14.004 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Instrument :

BNA_F

ClientSampleId :

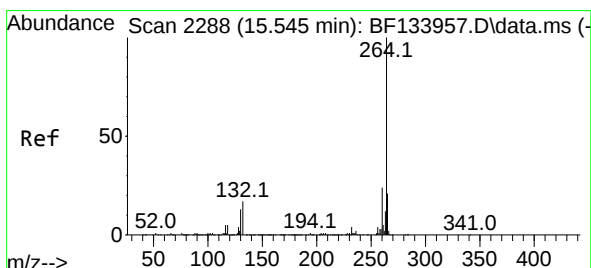
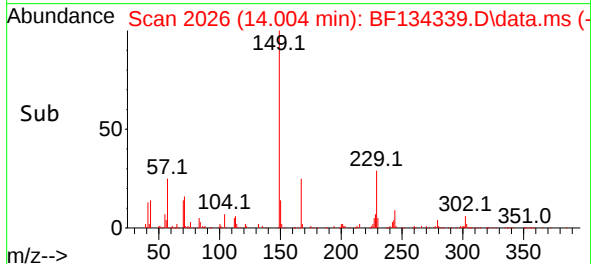
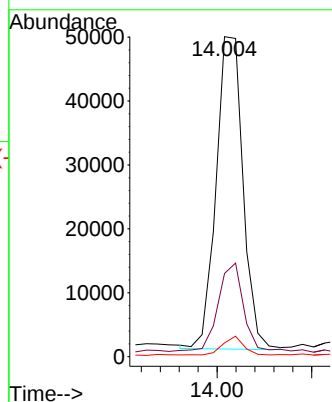
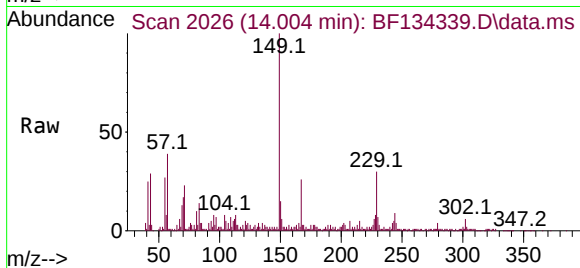
VNJ-204DL

Tgt Ion:149 Resp: 4831
Ion Ratio Lower Upper
149 100
167 26.0 21.0 31.4
279 4.3 3.3 4.9

Manual Integrations

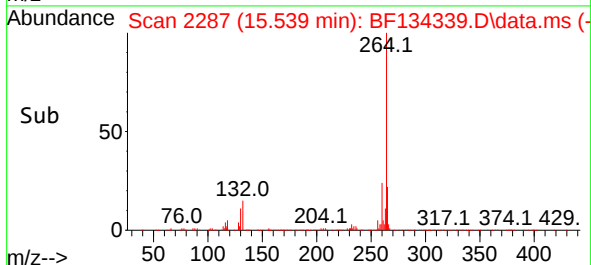
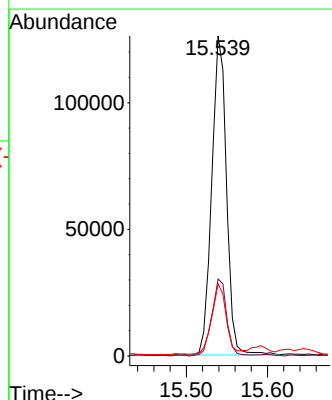
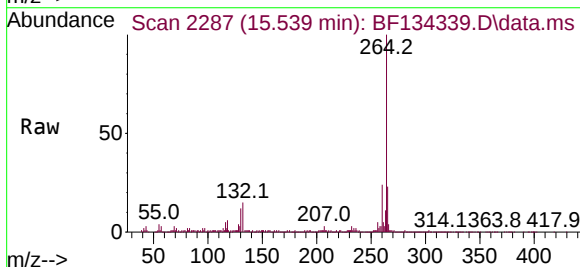
APPROVED

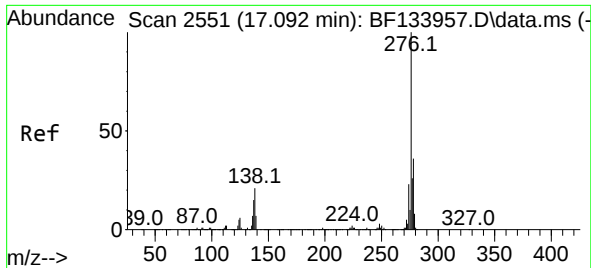
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Tgt Ion:264 Resp: 158586
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 22.6 16.6 25.0





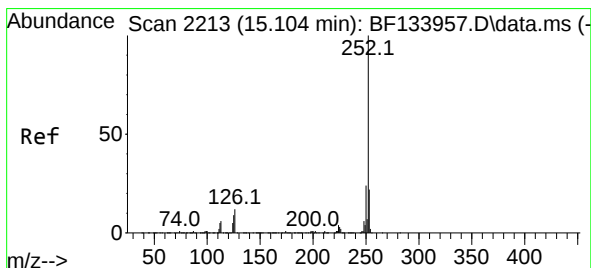
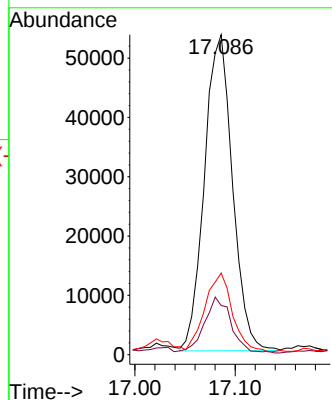
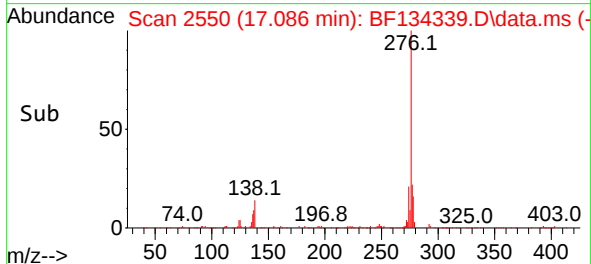
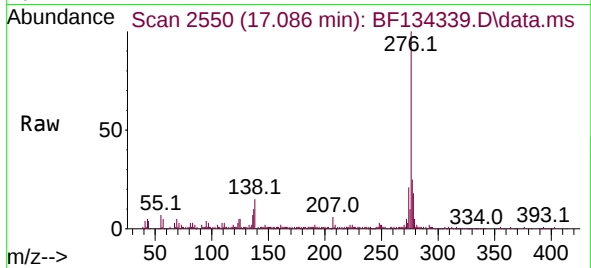
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.409 ng
RT: 17.086 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Instrument :
BNA_F
ClientSampleId :
VNJ-204DL

Tgt Ion:276 Resp: 103544
Ion Ratio Lower Upper
276 100
138 16.9 18.7 28.1
277 24.1 19.9 29.9

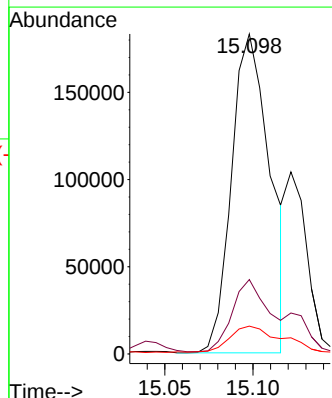
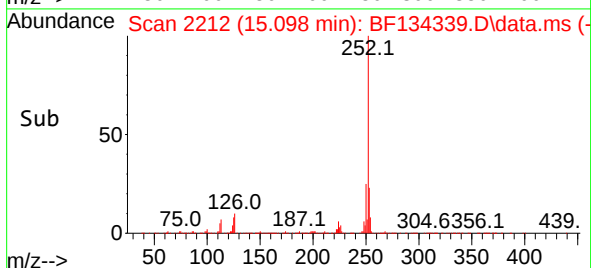
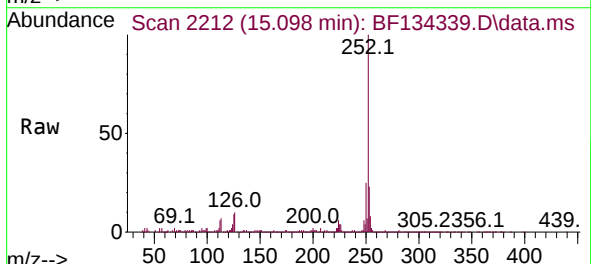
Manual Integrations
APPROVED

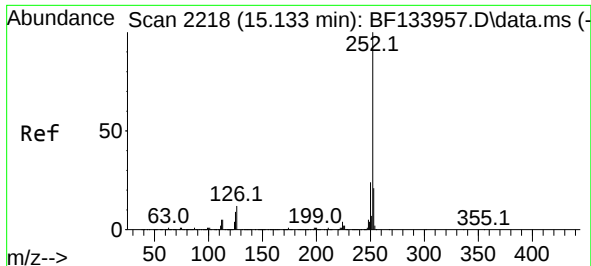
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#88
Benzo(b)fluoranthene
Concen: 29.855 ng m
RT: 15.098 min Scan# 2212
Delta R.T. -0.006 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Tgt Ion:252 Resp: 278396
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 8.7 7.1 10.7





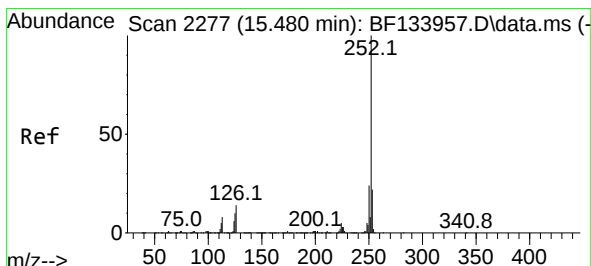
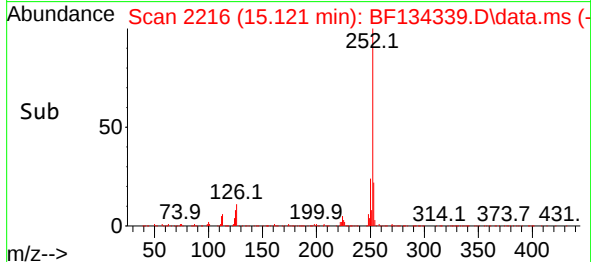
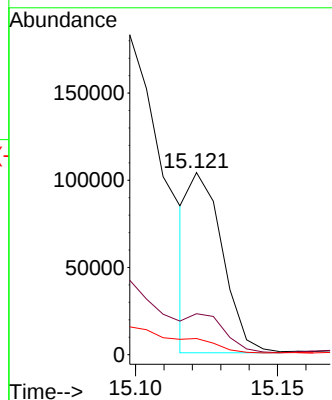
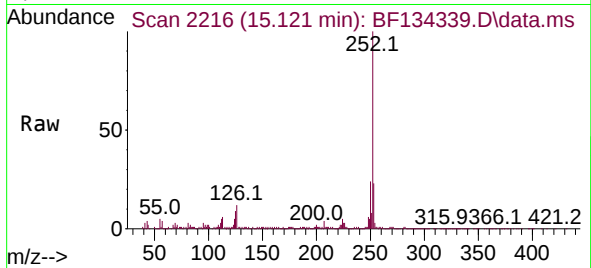
#89
Benzo(k)fluoranthene
Concen: 8.793 ng m
RT: 15.121 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Instrument :
BNA_F
ClientSampleId :
VNJ-204DL

Tgt Ion:252 Resp: 83484
Ion Ratio Lower Upper
252 100
253 22.5 16.9 25.3
125 8.9 7.4 11.2

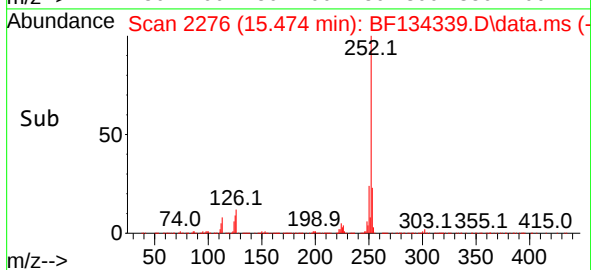
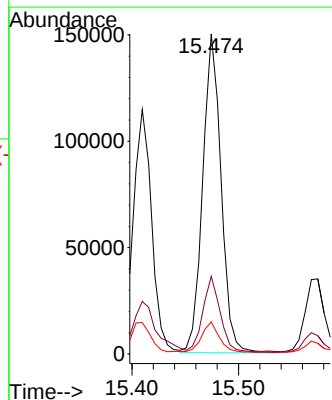
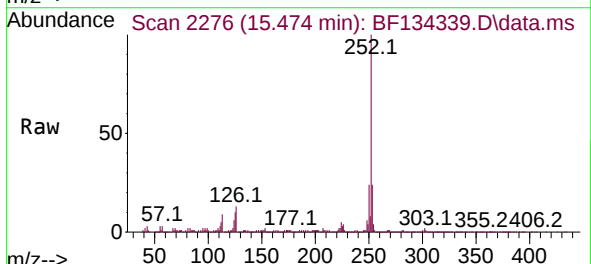
Manual Integrations
APPROVED

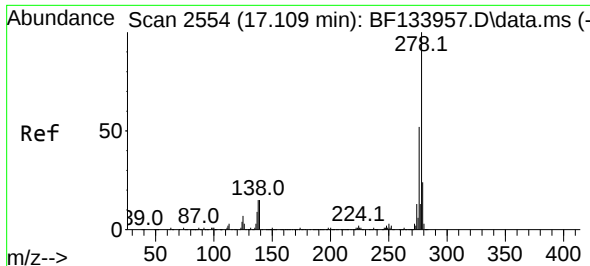
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#90
Benzo(a)pyrene
Concen: 20.045 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.006 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Tgt Ion:252 Resp: 180753
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 10.0 8.4 12.6





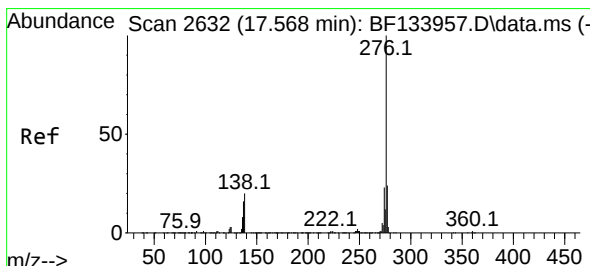
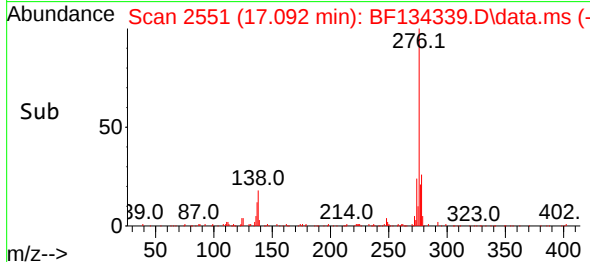
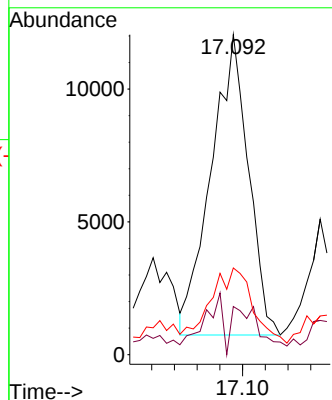
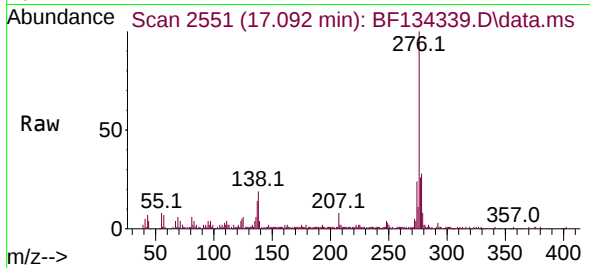
#91
Dibenzo(a,h)anthracene
Concen: 2.866 ng
RT: 17.092 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Instrument :
BNA_F
ClientSampleId :
VNJ-204DL

Tgt Ion:278 Resp: 2576
Ion Ratio Lower Upper
278 100
139 15.0 12.2 18.4
279 27.1 19.4 29.2

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 11.552 ng
RT: 17.557 min Scan# 2630
Delta R.T. -0.012 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Tgt Ion:276 Resp: 107078
Ion Ratio Lower Upper
276 100
277 25.7 19.0 28.6
138 17.3 16.2 24.2

