

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134325.D
 Acq On : 17 Jul 2023 20:22
 Operator : CG\JU
 Sample : 03617-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Manual Integrations
 APPROVED

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

Quant Time: Jul 18 01:16:36 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	65149	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	238236	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	106468	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	186243	20.000	ng	0.00
76) Chrysene-d12	14.033	240	114667	20.000	ng	0.00
86) Perylene-d12	15.539	264	92770	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	449786	115.487	ng	0.00
7) Phenol-d6	6.481	99	526385	109.900	ng	0.00
23) Nitrobenzene-d5	7.404	82	349335	79.044	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	151106	113.197	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	660658	90.217	ng	-0.01
79) Terphenyl-d14	12.969	244	643132	90.267	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	161690	17.245	ng	98
72) Anthracene	11.445	178	36692	3.763	ng	99
75) Fluoranthene	12.592	202	423771	41.808	ng	98
78) Pyrene	12.821	202	371666	34.828	ng	99
81) Benzo(a)anthracene	14.021	228	176652	22.214	ng	98
83) Chrysene	14.057	228	151168	19.626	ng	95
84) Bis(2-ethylhexyl)phtha...	14.004	149	9694	2.108	ng	# 95
85) Di-n-octyl phthalate	14.627	149	17452m	2.583	ng	
87) Indeno(1,2,3-cd)pyrene	17.080	276	59152	9.189	ng	94
88) Benzo(b)fluoranthene	15.098	252	157821m	28.932	ng	
89) Benzo(k)fluoranthene	15.121	252	61047m	10.992	ng	
90) Benzo(a)pyrene	15.474	252	105178	19.939	ng	97
91) Dibenzo(a,h)anthracene	17.092	278	14844	2.823	ng	# 88
92) Benzo(g,h,i)perylene	17.551	276	57414	10.589	ng	96

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

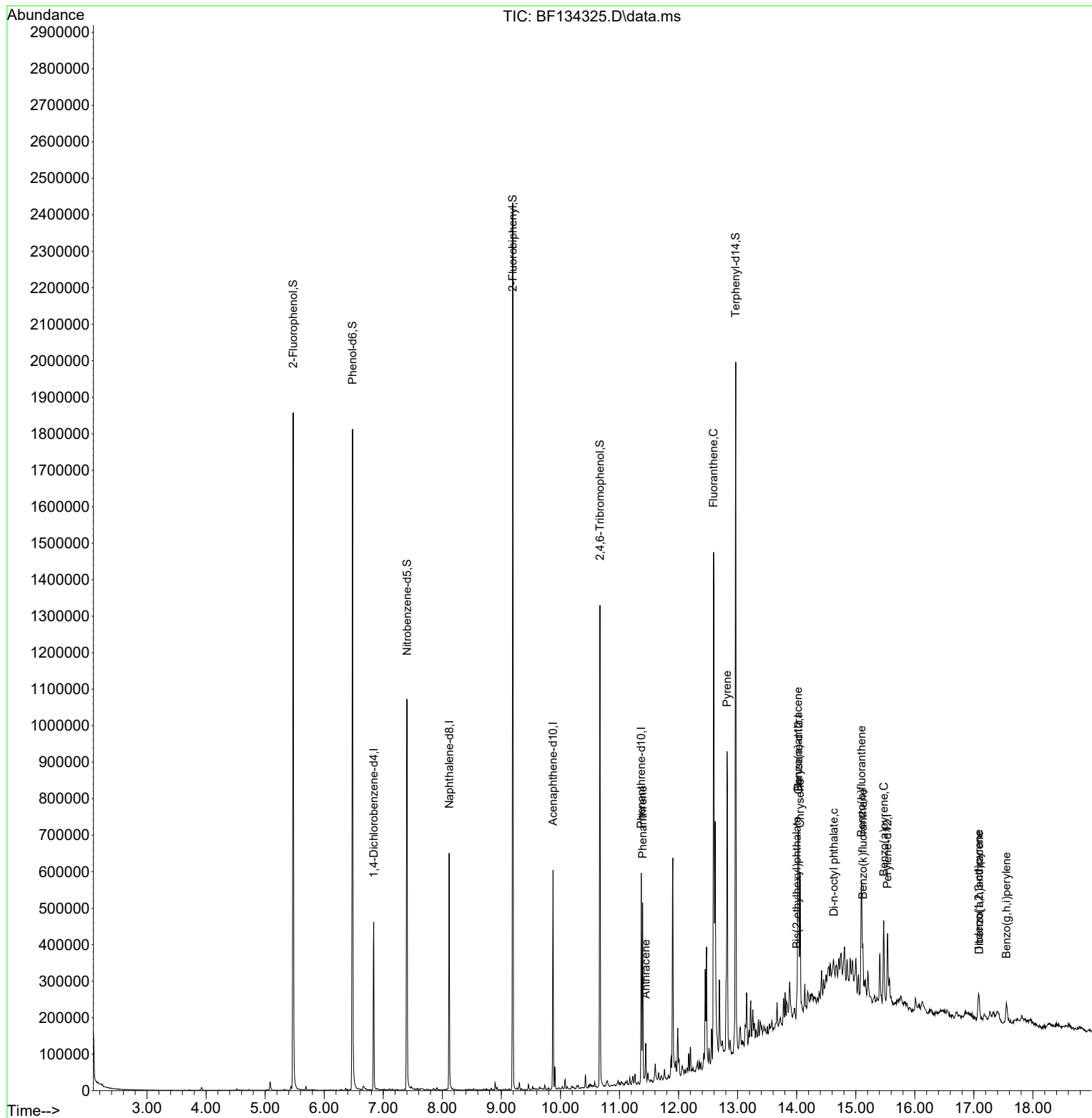
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
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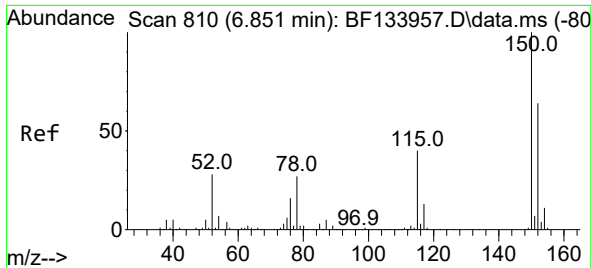
Instrument :
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ClientSampleId :
VNJ-214

Quant Time: Jul 18 01:16:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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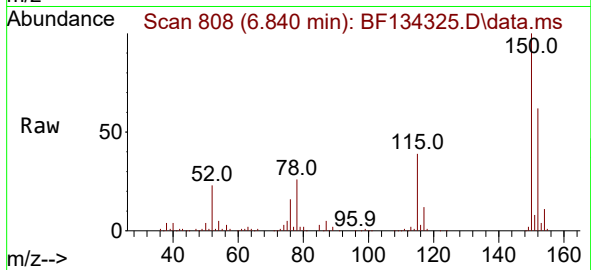
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

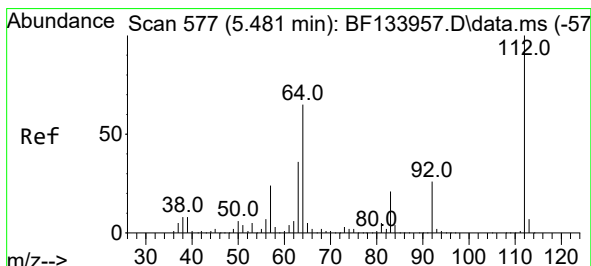
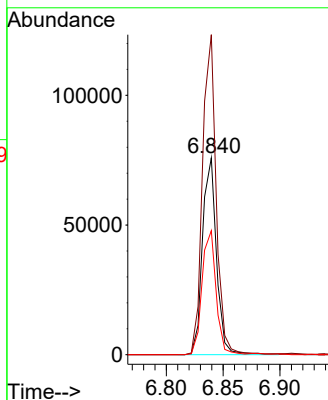
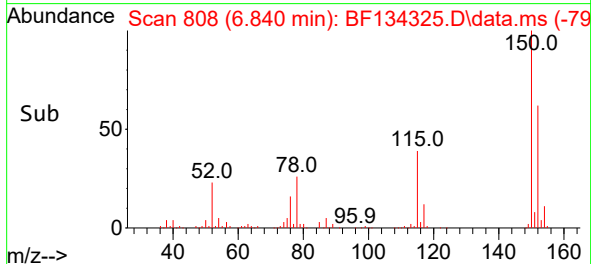
Instrument :
BNA_F
ClientSampleId :
VNJ-214



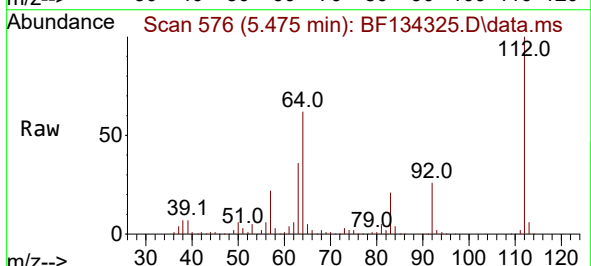
Tgt Ion:152 Resp: 65149
Ion Ratio Lower Upper
152 100
150 162.6 124.5 186.7
115 63.0 50.2 75.2

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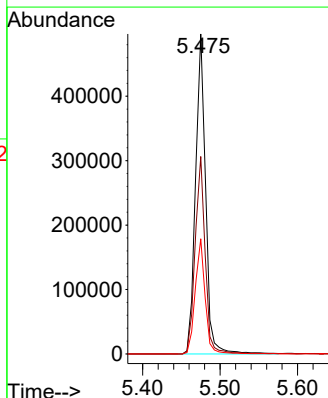
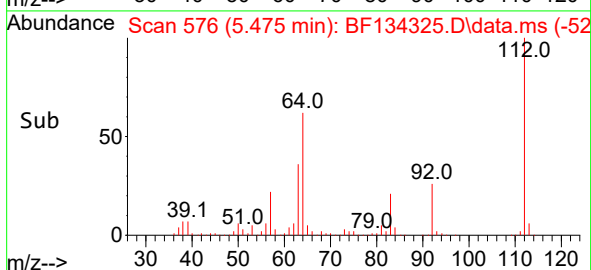
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

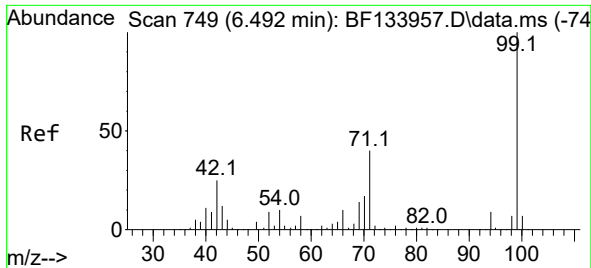


#5
2-Fluorophenol
Concen: 115.487 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22



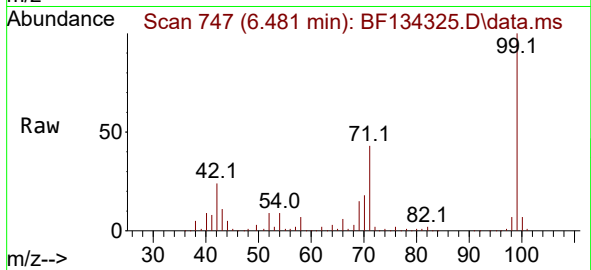
Tgt Ion:112 Resp: 449786
Ion Ratio Lower Upper
112 100
64 61.7 52.1 78.1
63 36.0 28.6 42.8





#7
Phenol-d6
Concen: 109.900 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

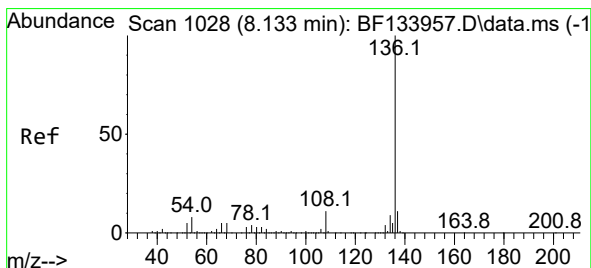
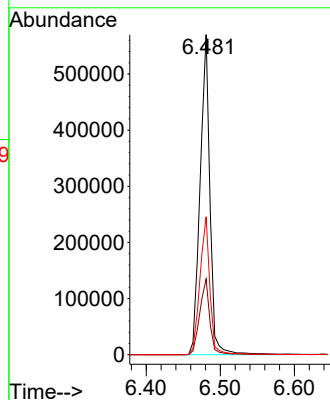
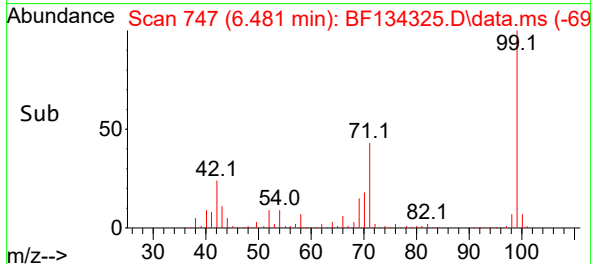
Instrument :
BNA_F
ClientSampleId :
VNJ-214



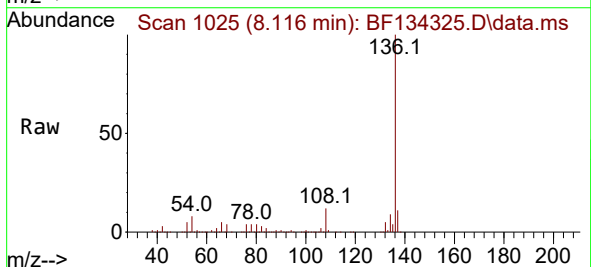
Tgt Ion: 99 Resp: 526385
Ion Ratio Lower Upper
99 100
42 23.7 19.8 29.6
71 43.1 31.9 47.9

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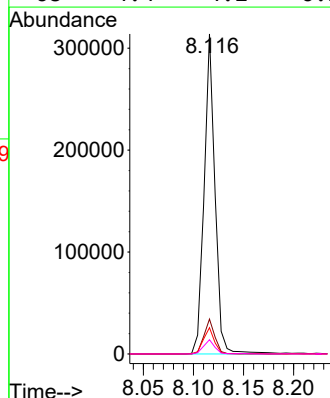
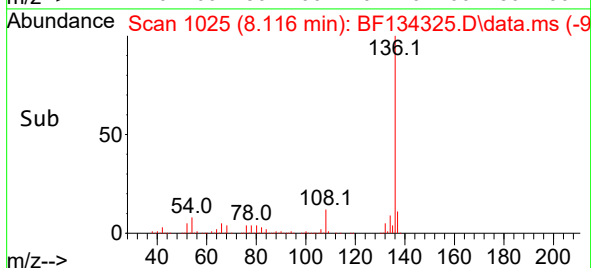
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

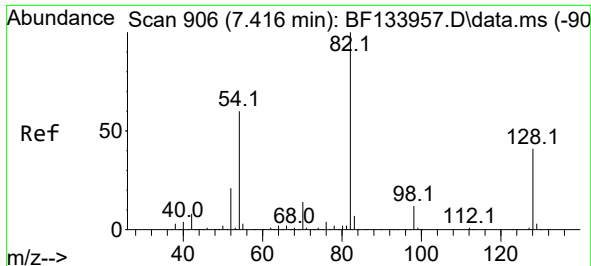


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22



Tgt Ion:136 Resp: 238236
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 8.2 6.5 9.7
68 4.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 79.044 ng

RT: 7.404 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

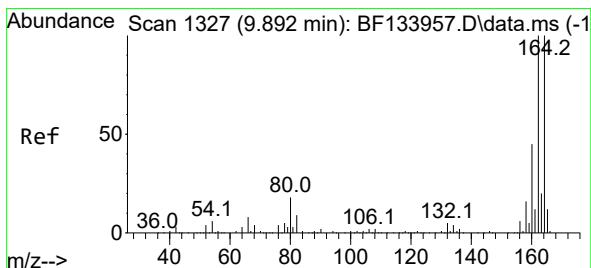
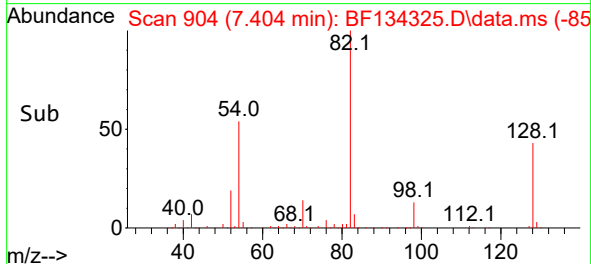
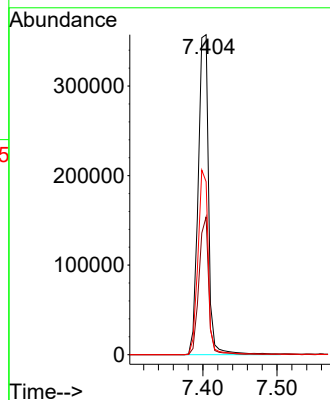
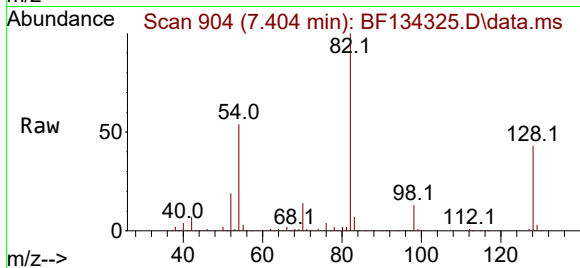
VNJ-214

Tgt Ion: 82 Resp: 349335

Ion	Ratio	Lower	Upper
82	100		
128	43.1	32.5	48.7
54	54.0	48.2	72.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

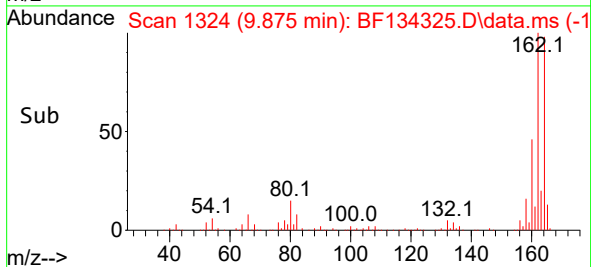
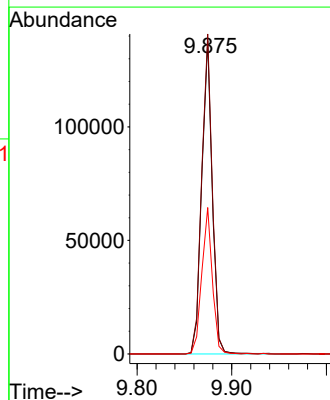
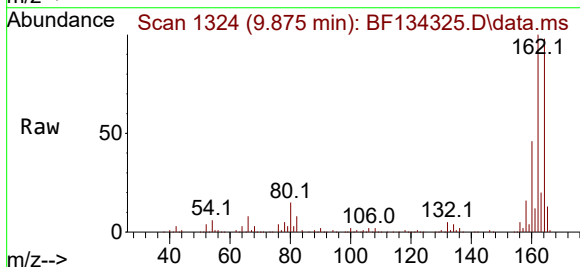
Delta R.T. -0.006 min

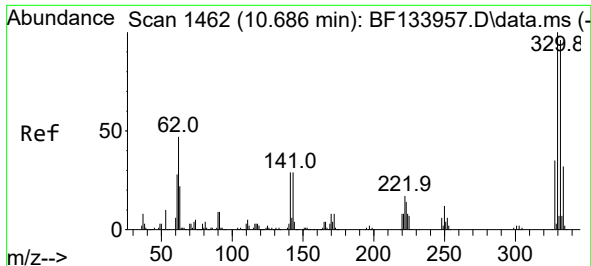
Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

Tgt Ion:164 Resp: 106468

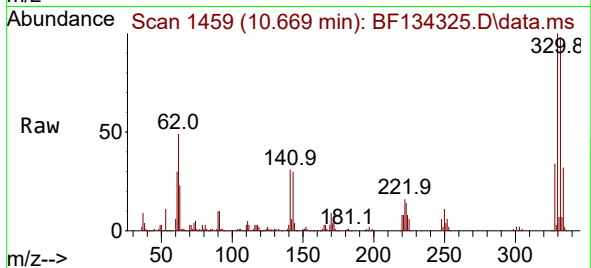
Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.0	120.0
160	46.7	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 113.197 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

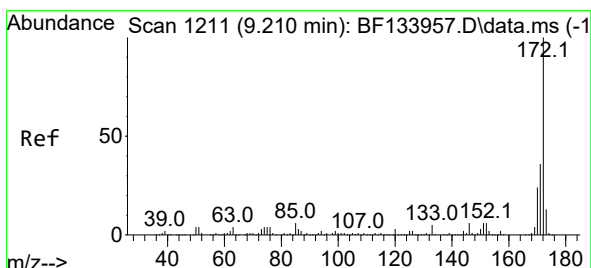
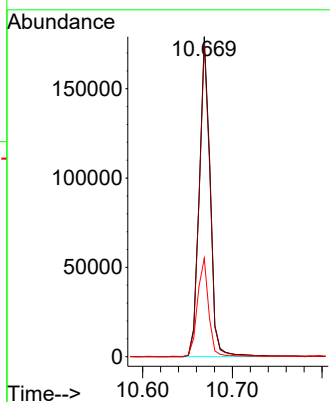
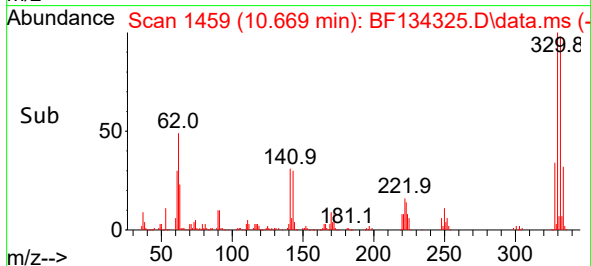
Instrument :
BNA_F
ClientSampleId :
VNJ-214



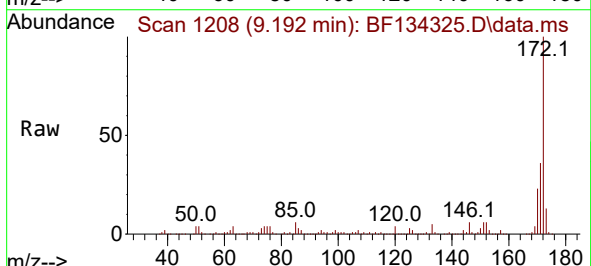
Tgt Ion:330 Resp: 151100
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.6
141 31.8 26.3 39.5

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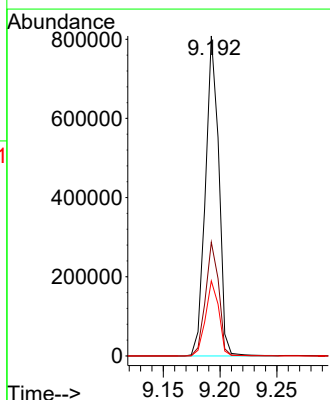
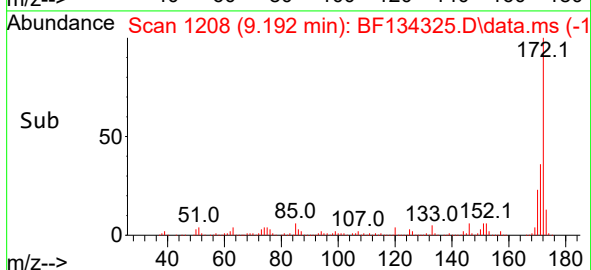
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

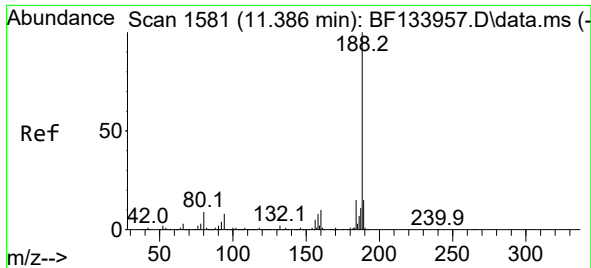


#45
2-Fluorobiphenyl
Concen: 90.217 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22



Tgt Ion:172 Resp: 660658
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.5 19.4 29.0





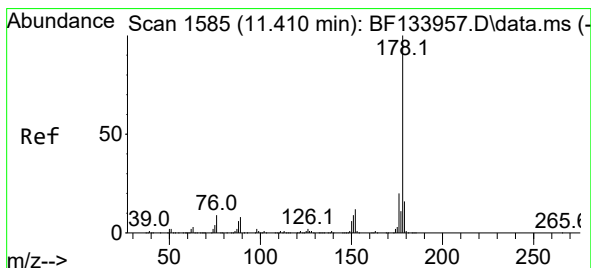
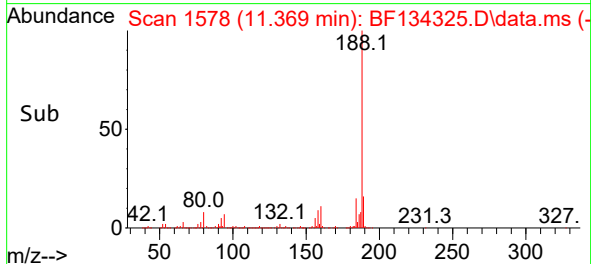
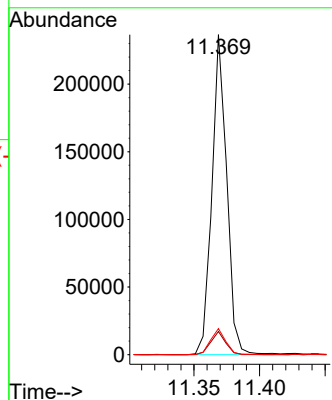
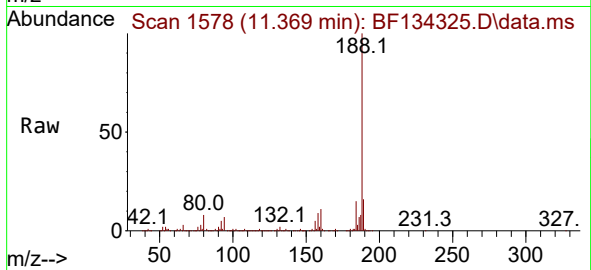
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion:188 Resp: 18624
Ion Ratio Lower Upper
188 100
94 7.2 6.4 9.6
80 8.2 7.3 10.9

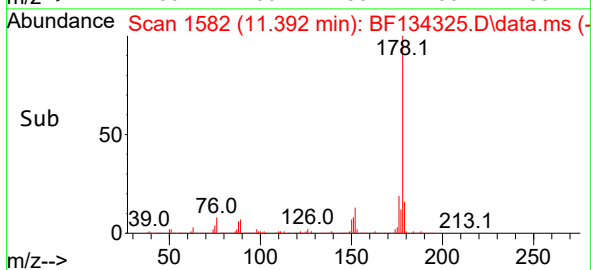
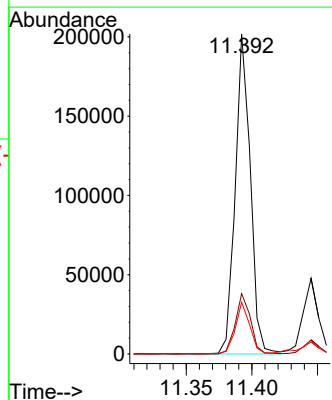
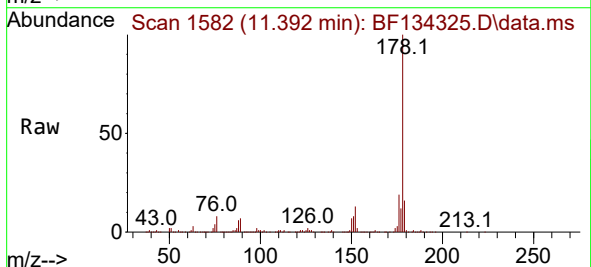
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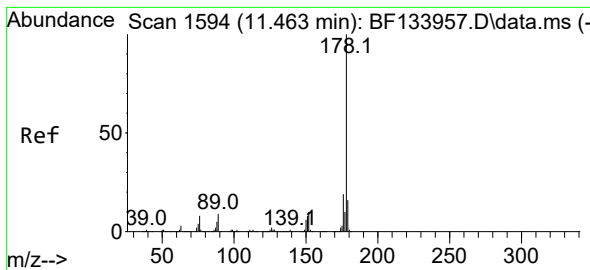
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#71
Phenanthrene
Concen: 17.245 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

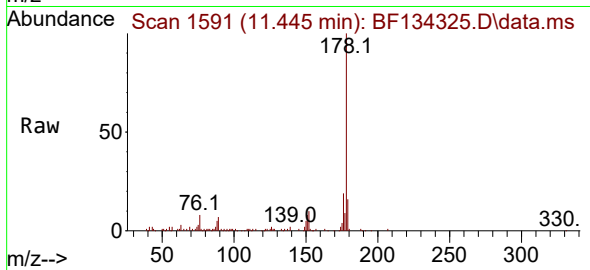
Tgt Ion:178 Resp: 161690
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 16.2 12.4 18.6





#72
 Anthracene
 Concen: 3.763 ng
 RT: 11.445 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134325.D
 Acq: 17 Jul 2023 20:22

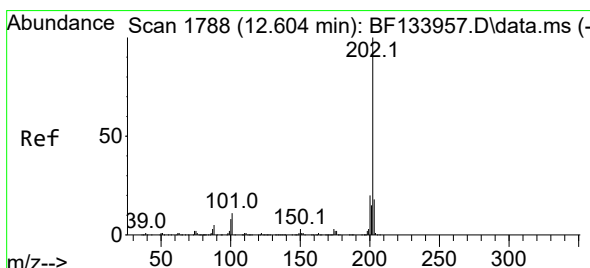
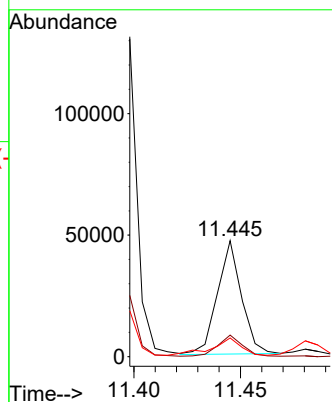
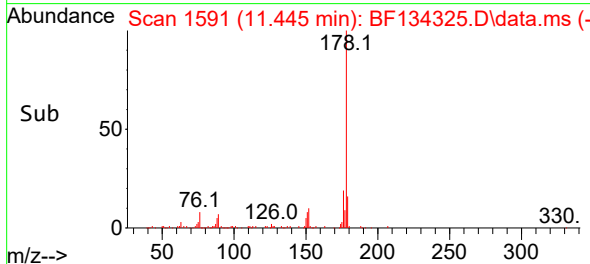
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214



Tgt Ion:178 Resp: 36692
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.3 22.9
 179 16.2 12.4 18.6

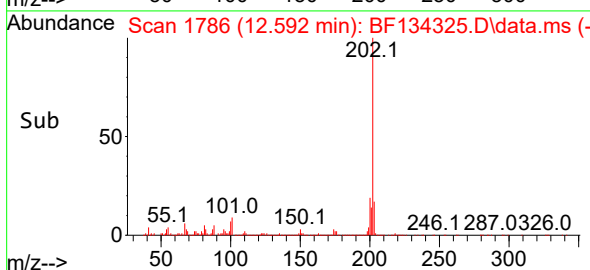
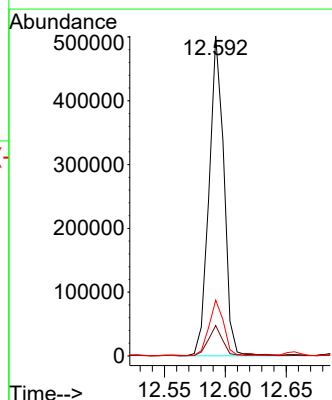
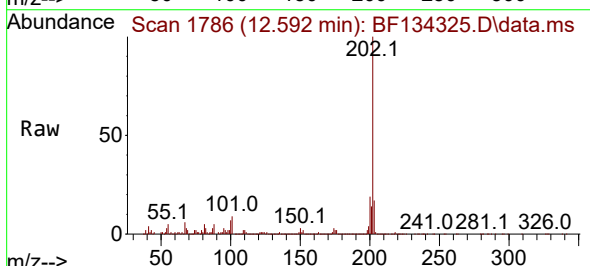
Manual Integrations
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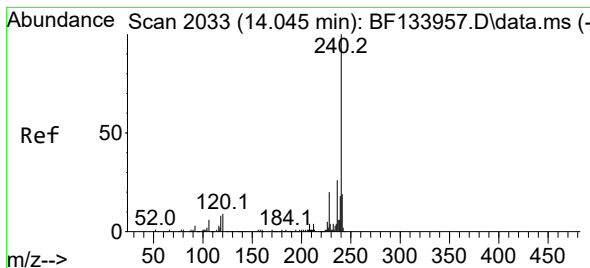
Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023



#75
 Fluoranthene
 Concen: 41.808 ng
 RT: 12.592 min Scan# 1786
 Delta R.T. -0.006 min
 Lab File: BF134325.D
 Acq: 17 Jul 2023 20:22

Tgt Ion:202 Resp: 423771
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 31.0
 203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

VNJ-214

Tgt Ion:240 Resp: 11466

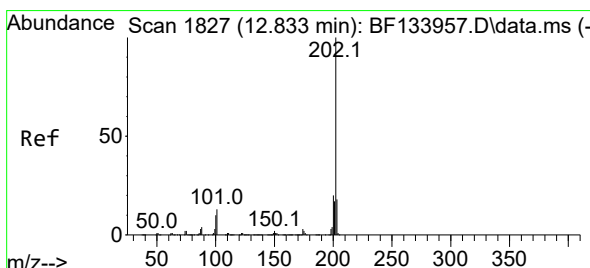
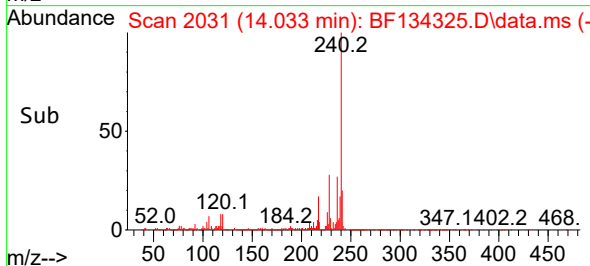
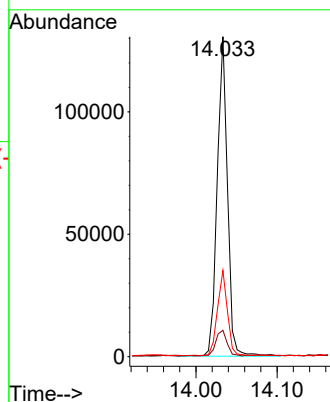
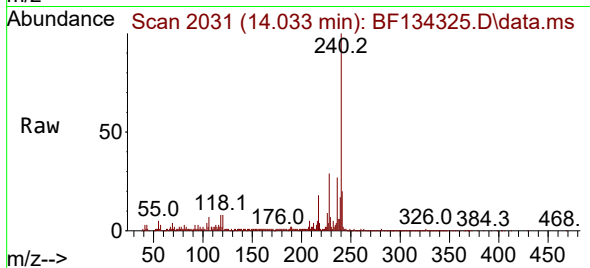
Ion	Ratio	Lower	Upper
240	100		
120	8.3	7.4	11.0
236	26.9	21.0	31.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#78

Pyrene

Concen: 34.828 ng

RT: 12.821 min Scan# 1825

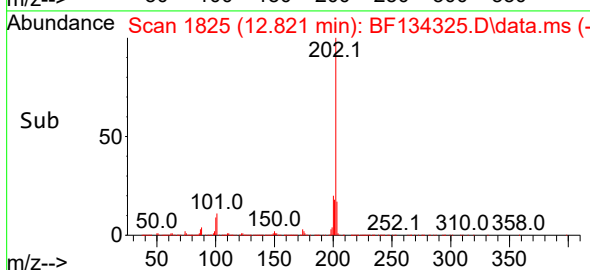
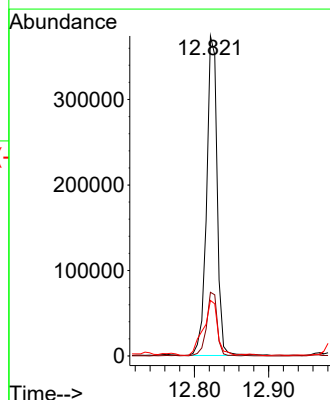
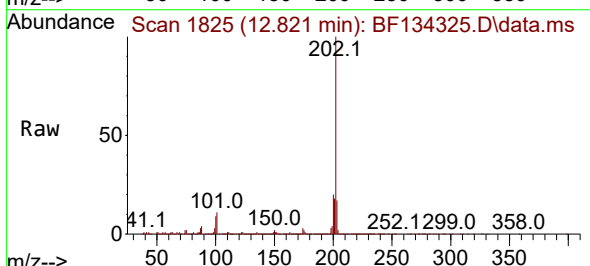
Delta R.T. -0.012 min

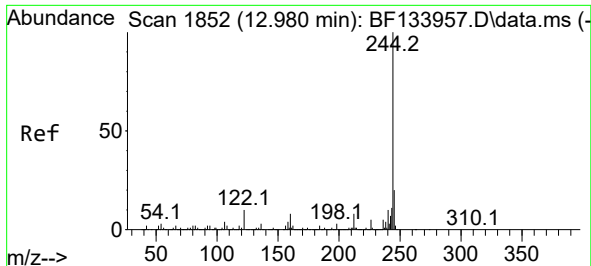
Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

Tgt Ion:202 Resp: 371666

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.1	24.1
203	17.4	14.3	21.5





#79
 Terphenyl-d14
 Concen: 90.267 ng
 RT: 12.969 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134325.D
 Acq: 17 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

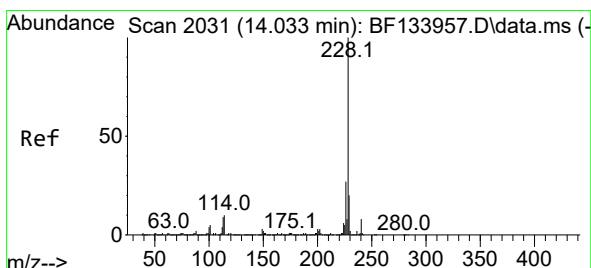
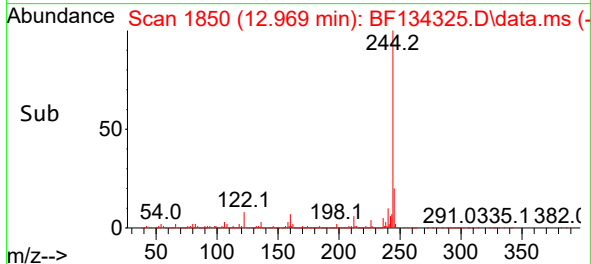
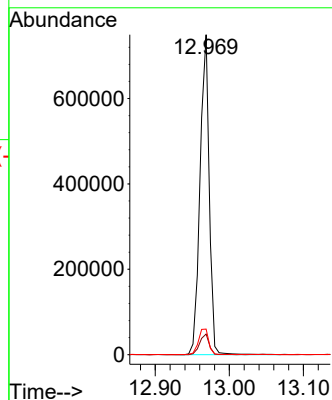
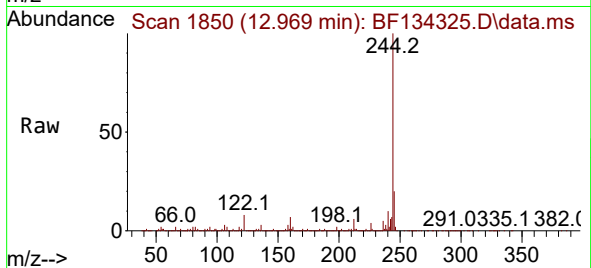
VNJ-214

Tgt Ion:244 Resp: 64313
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 8.0 8.3 12.5

Manual Integrations

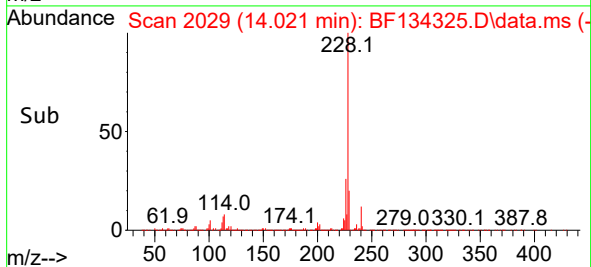
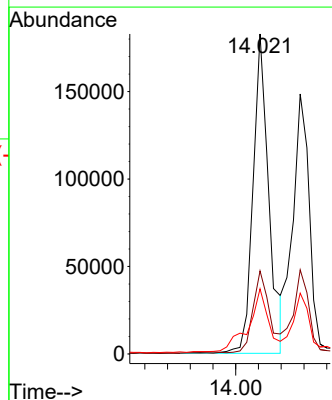
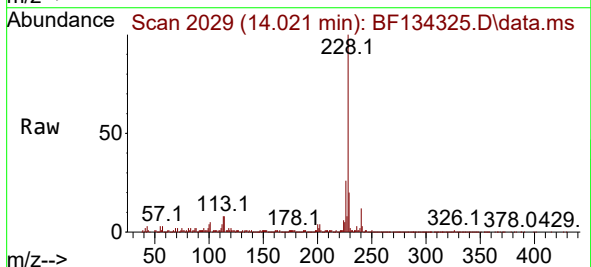
APPROVED

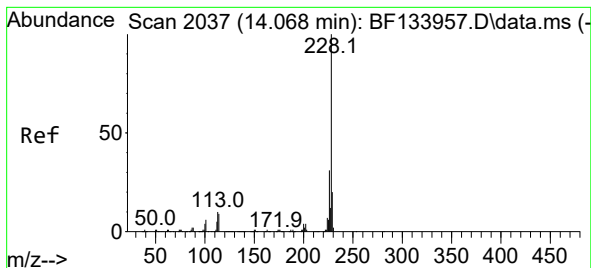
Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023



#81
 Benzo(a)anthracene
 Concen: 22.214 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: BF134325.D
 Acq: 17 Jul 2023 20:22

Tgt Ion:228 Resp: 176652
 Ion Ratio Lower Upper
 228 100
 226 26.0 22.0 33.0
 229 20.4 16.3 24.5





#83

Chrysene

Concen: 19.626 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

VNJ-214

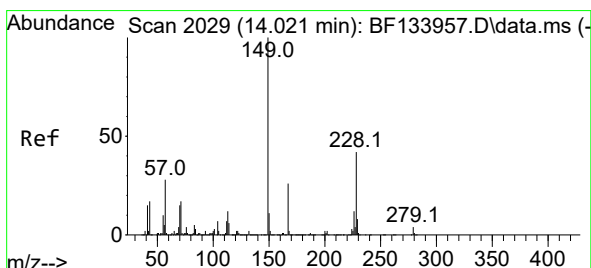
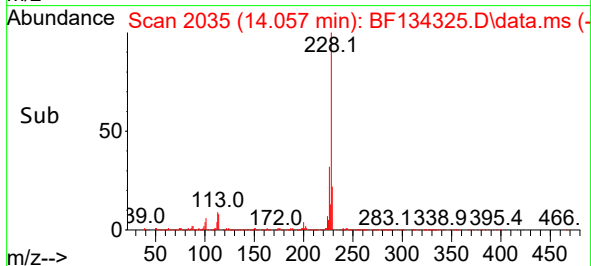
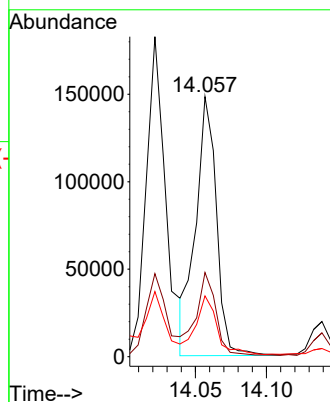
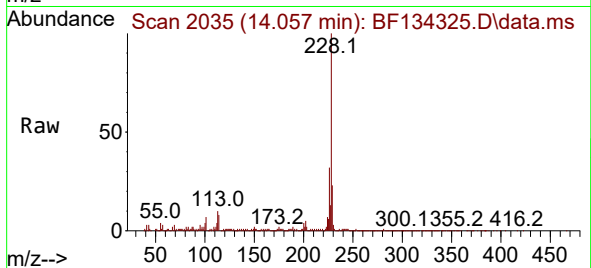
Tgt Ion:	228	Resp:	15116
Ion Ratio	Lower	Upper	
228	100		
226	32.4	24.4	36.6
229	23.4	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.108 ng

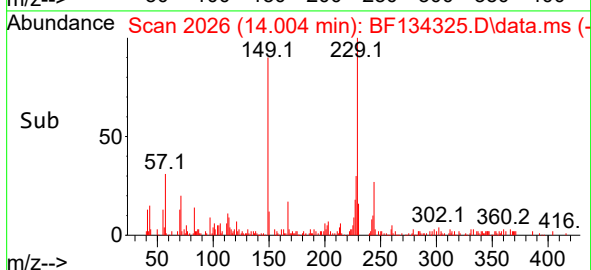
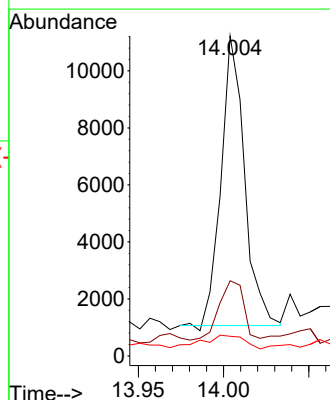
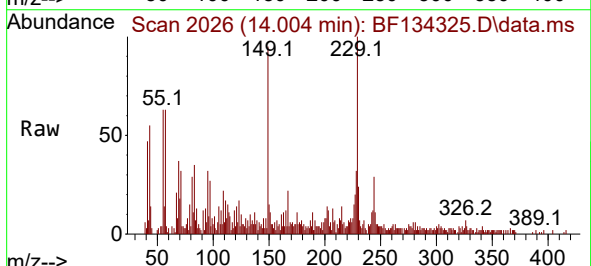
RT: 14.004 min Scan# 2026

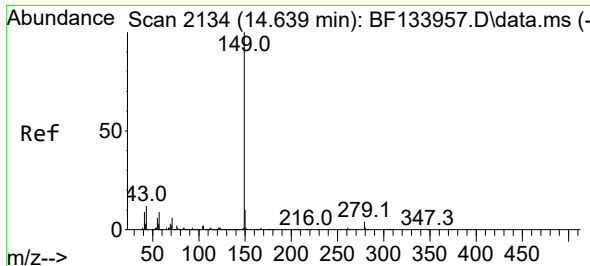
Delta R.T. -0.012 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

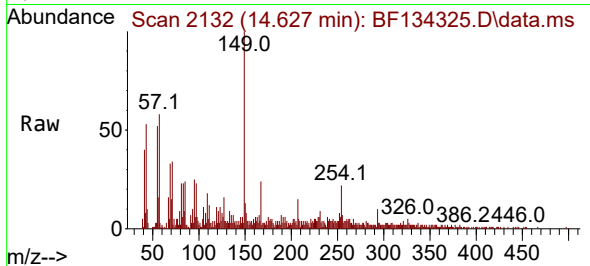
Tgt Ion:	149	Resp:	9694
Ion Ratio	Lower	Upper	
149	100		
167	23.5	21.0	31.4
279	6.2	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 2.583 ng m
RT: 14.627 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

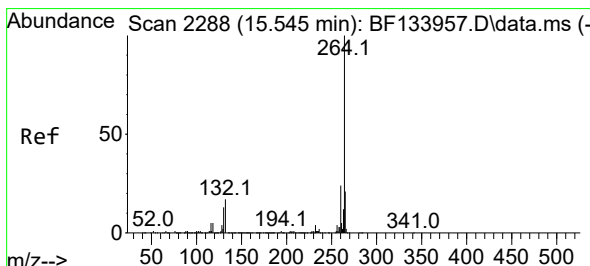
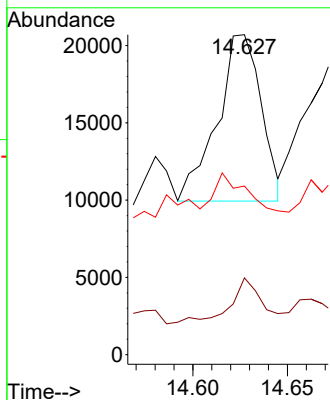
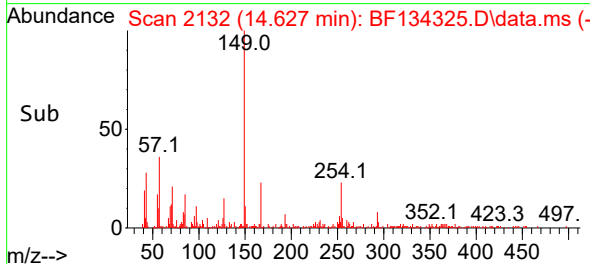
Instrument :
BNA_F
ClientSampleId :
VNJ-214



Tgt Ion:149 Resp: 17452
Ion Ratio Lower Upper
149 100
167 33.5 1.3 1.9
43 41.6 9.0 13.4

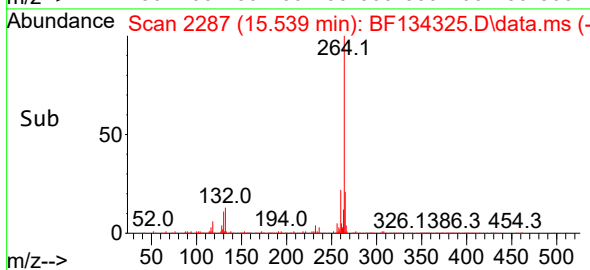
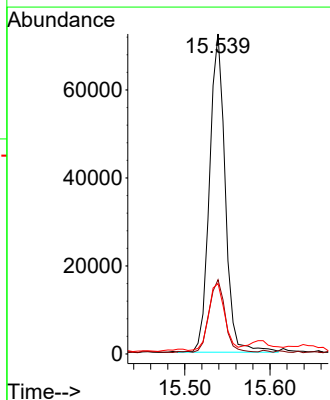
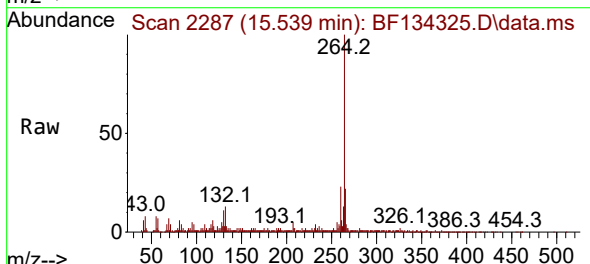
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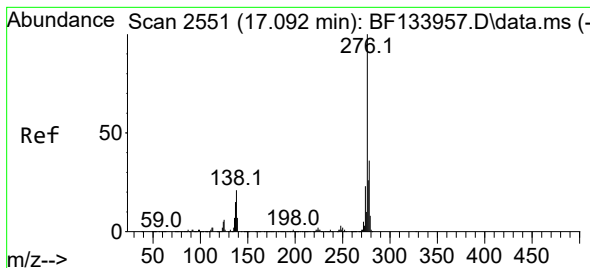
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

Tgt Ion:264 Resp: 92770
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 22.0 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.189 ng

RT: 17.080 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

VNJ-214

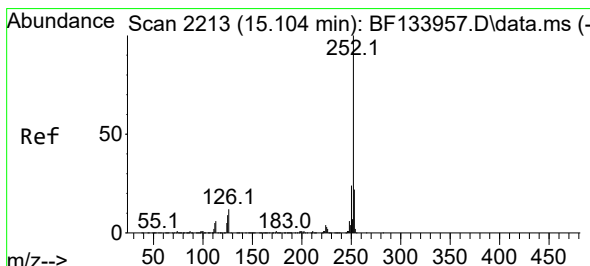
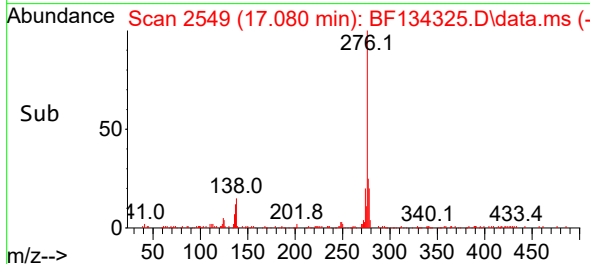
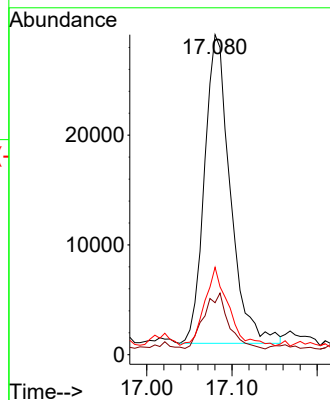
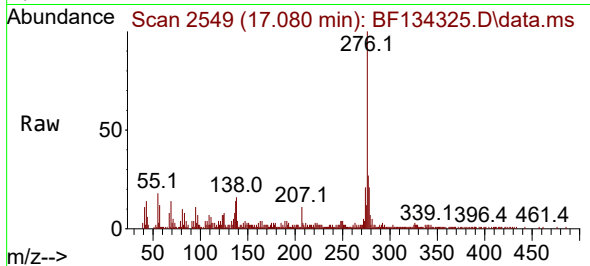
Tgt Ion:	276	Resp:	5915
Ion Ratio	Lower	Upper	
276	100		
138	19.0	18.7	28.1
277	23.2	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#88

Benzo(b)fluoranthene

Concen: 28.932 ng m

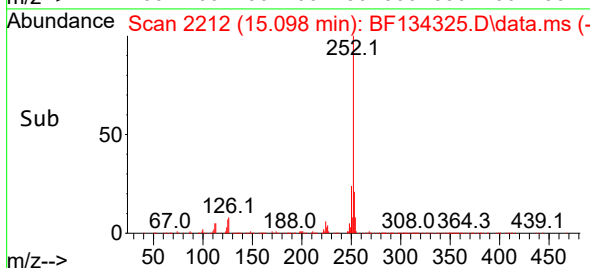
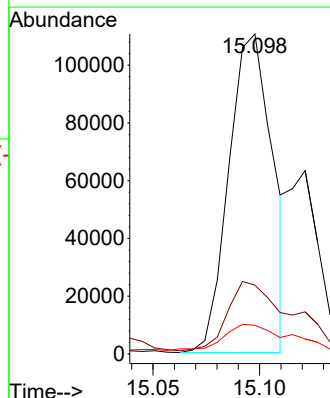
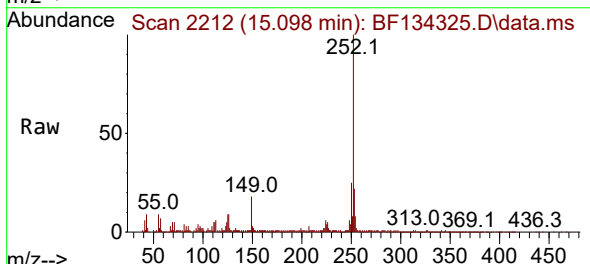
RT: 15.098 min Scan# 2212

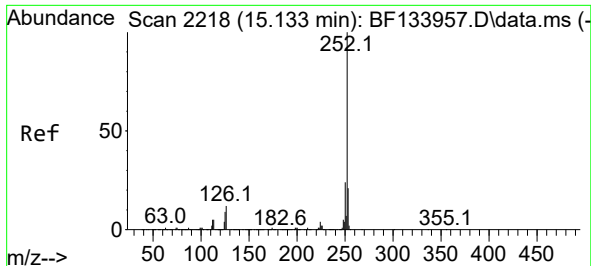
Delta R.T. -0.006 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

Tgt Ion:	252	Resp:	157821
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.4	26.0
125	8.9	7.1	10.7





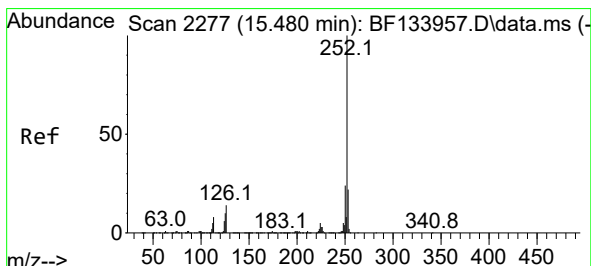
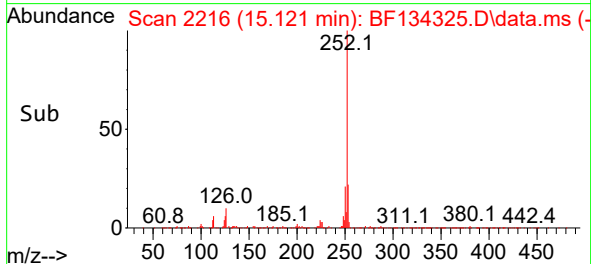
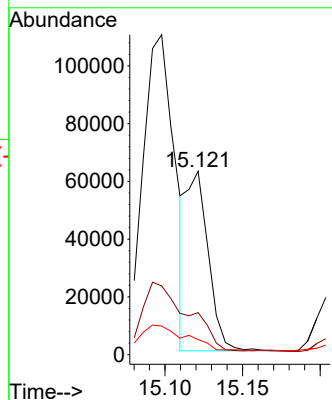
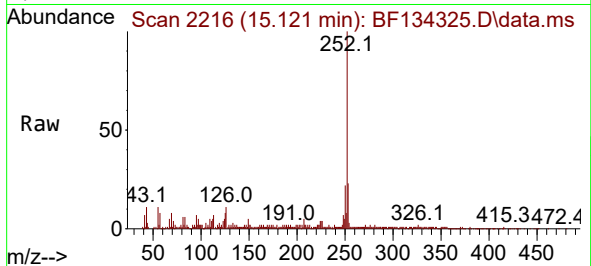
#89
Benzo(k)fluoranthene
Concen: 10.992 ng m
RT: 15.121 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion:252 Resp: 6104
Ion Ratio Lower Upper
252 100
253 23.0 16.9 25.3
125 8.2 7.4 11.2

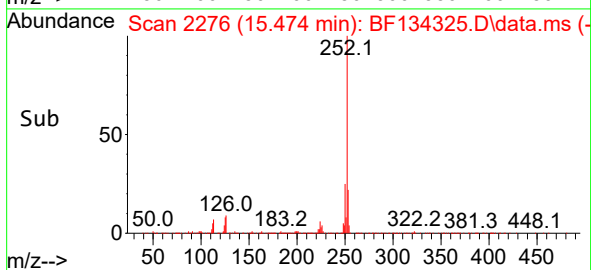
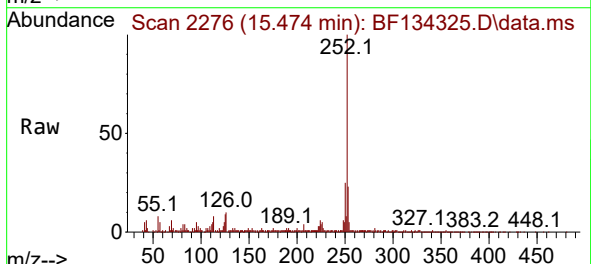
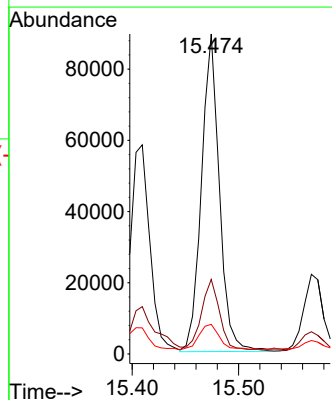
Manual Integrations
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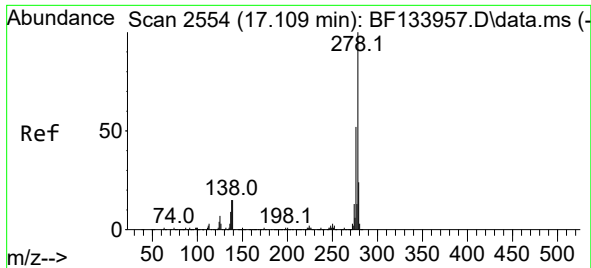
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#90
Benzo(a)pyrene
Concen: 19.939 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.006 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

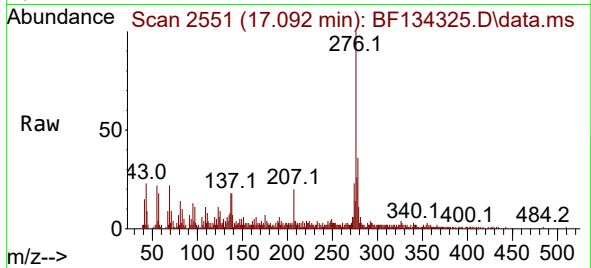
Tgt Ion:252 Resp: 105178
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 9.2 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 2.823 ng
RT: 17.092 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

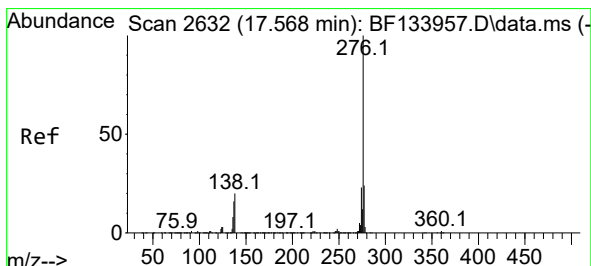
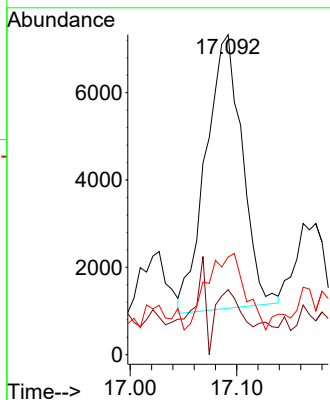
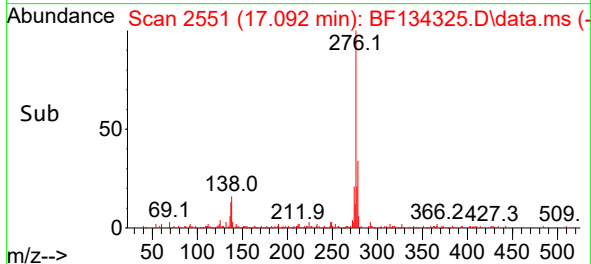
Instrument :
BNA_F
ClientSampleId :
VNJ-214



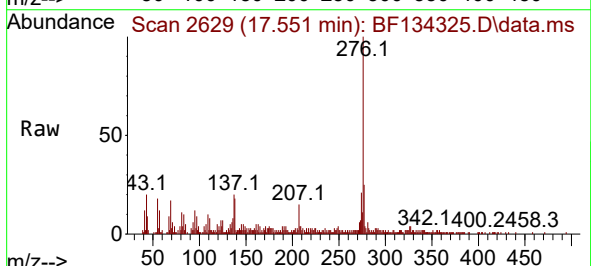
Tgt Ion:278 Resp: 1484
Ion Ratio Lower Upper
278 100
139 20.3 12.2 18.4
279 30.5 19.4 29.2

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 10.589 ng
RT: 17.551 min Scan# 2629
Delta R.T. -0.018 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22



Tgt Ion:276 Resp: 57414
Ion Ratio Lower Upper
276 100
277 25.0 19.0 28.6
138 17.5 16.2 24.2

