

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134318.D
 Acq On : 17 Jul 2023 16:25
 Operator : CG\JU
 Sample : 03564-02DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-225DL

Manual Integrations
 APPROVED

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

Quant Time: Jul 17 16:58:37 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	81421	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	307869	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	146667	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	253983	20.000	ng	0.00
76) Chrysene-d12	14.033	240	162529	20.000	ng	0.00
86) Perylene-d12	15.533	264	123998	20.000	ng	#-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	240301	49.369	ng	0.00
7) Phenol-d6	6.475	99	284189	47.476	ng	-0.01
23) Nitrobenzene-d5	7.398	82	185607	32.498	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	81362	44.245	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	344916	34.191	ng	-0.01
79) Terphenyl-d14	12.963	244	336532	33.325	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.904	154	24834	2.911	ng	99
58) Fluorene	10.422	166	42842	4.130	ng	100
71) Phenanthrene	11.392	178	368302	28.805	ng	98
72) Anthracene	11.445	178	89813	6.753	ng	98
73) Carbazole	11.604	167	36848	3.027	ng	100
75) Fluoranthene	12.592	202	615412	44.522	ng	98
78) Pyrene	12.822	202	505768	33.438	ng	100
81) Benzo(a)anthracene	14.022	228	316772	28.103	ng	99
83) Chrysene	14.057	228	265876	24.354	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	116343	13.522	ng	# 94
88) Benzo(b)fluoranthene	15.092	252	384223m	52.697	ng	
89) Benzo(k)fluoranthene	15.121	252	125403m	16.893	ng	
90) Benzo(a)pyrene	15.468	252	194143	27.536	ng	98
91) Dibenzo(a,h)anthracene	17.086	278	39332	5.597	ng	97
92) Benzo(g,h,i)perylene	17.545	276	106387	14.679	ng	99

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

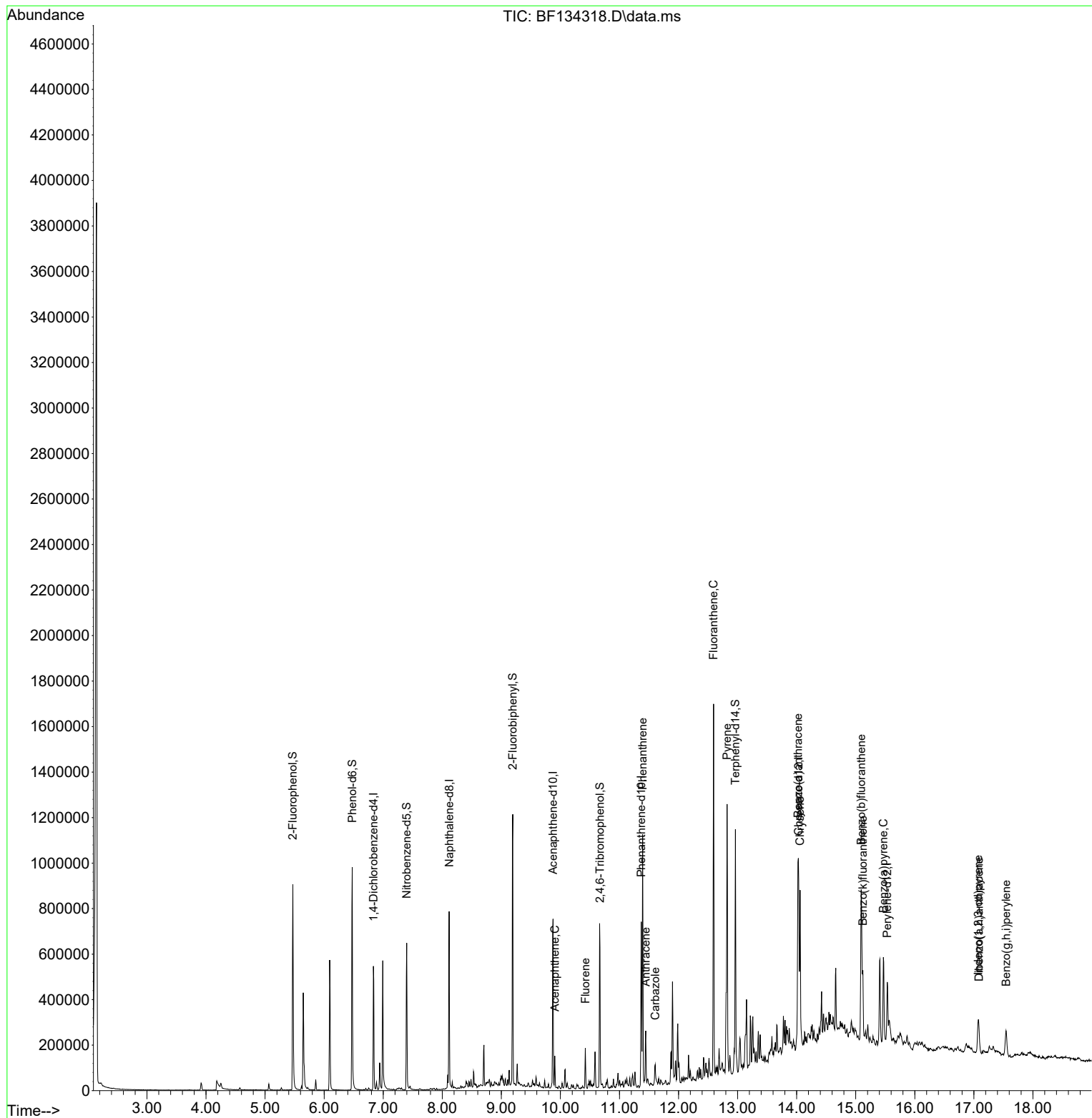
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134318.D
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ALS Vial : 6 Sample Multiplier: 1

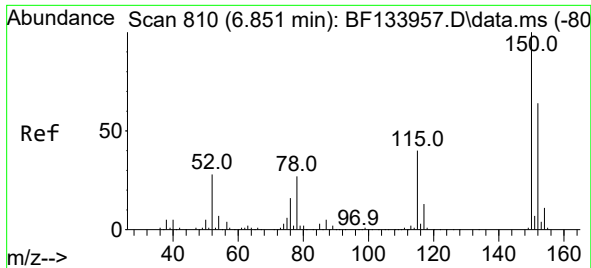
Instrument :
BNA_F
ClientSampleId :
VNJ-225DL

Quant Time: Jul 17 16:58:37 2023
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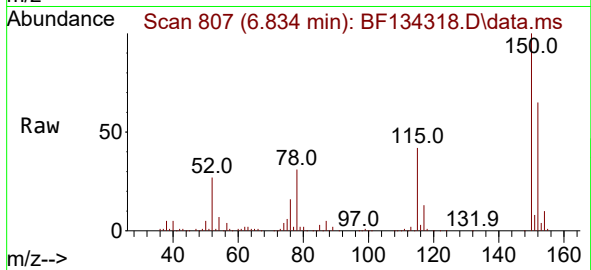
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.011 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

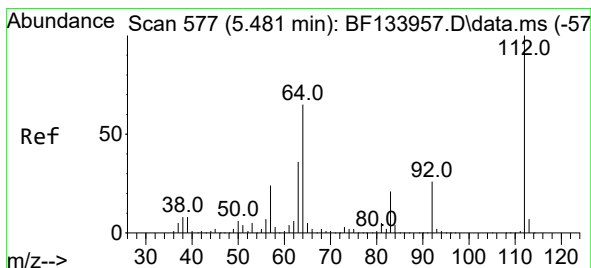
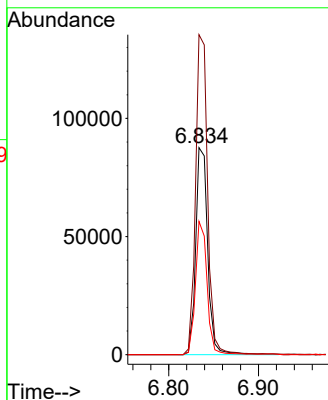
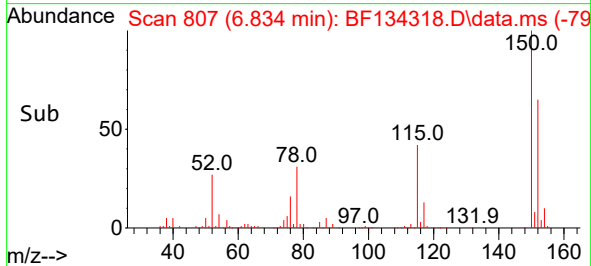
Instrument :
BNA_F
ClientSampleId :
VNJ-225DL



Tgt Ion:152 Resp: 8142
Ion Ratio Lower Upper
152 100
150 154.6 124.5 186.7
115 64.4 50.2 75.2

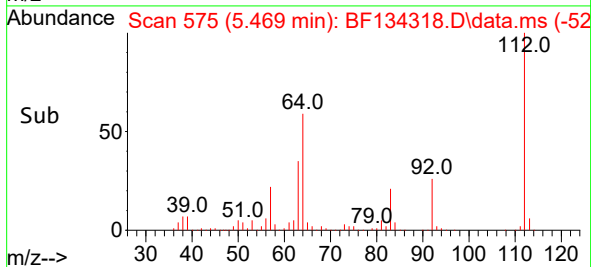
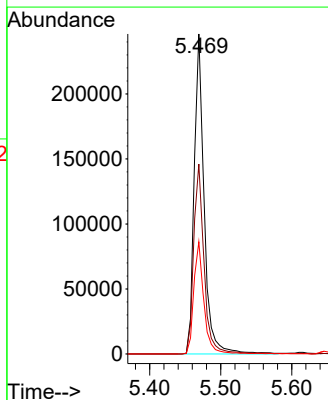
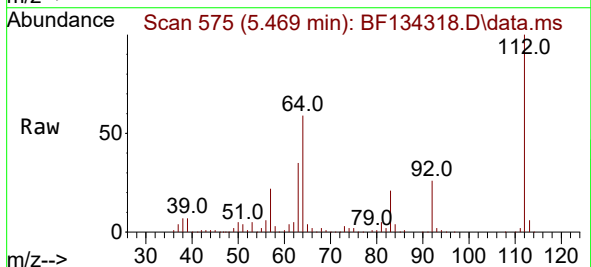
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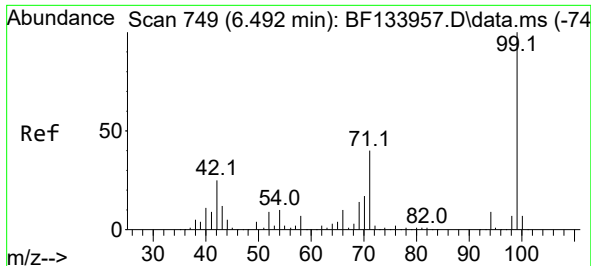
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#5
2-Fluorophenol
Concen: 49.369 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

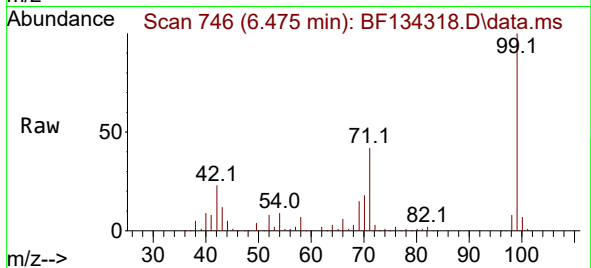
Tgt Ion:112 Resp: 240301
Ion Ratio Lower Upper
112 100
64 59.4 52.1 78.1
63 35.0 28.6 42.8





#7
Phenol-d6
Concen: 47.476 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

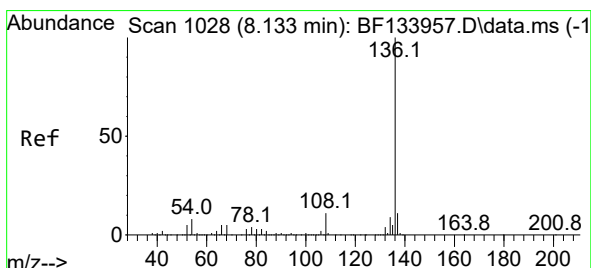
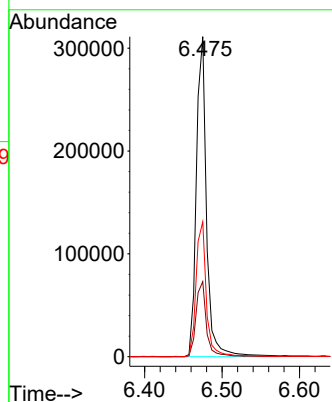
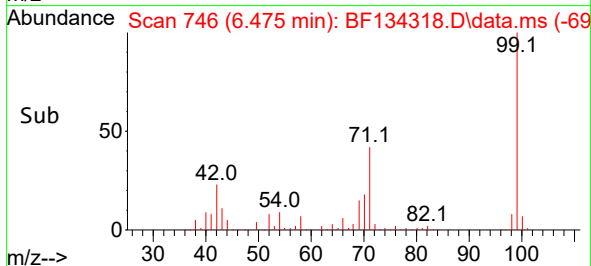
Instrument :
BNA_F
ClientSampleId :
VNJ-225DL



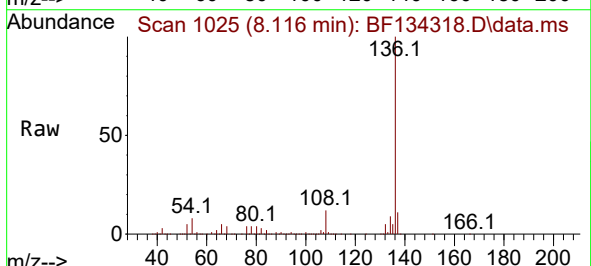
Tgt Ion: 99 Resp: 284189
Ion Ratio Lower Upper
99 100
42 23.4 19.8 29.6
71 42.2 31.9 47.9

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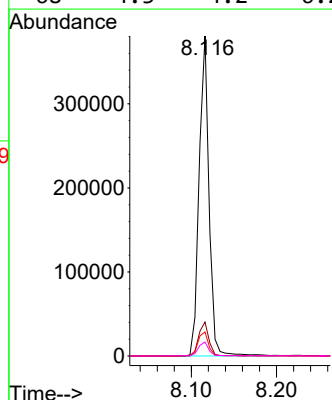
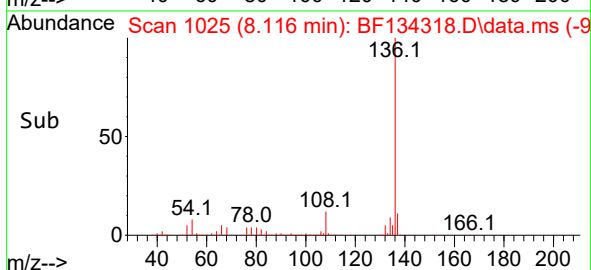
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

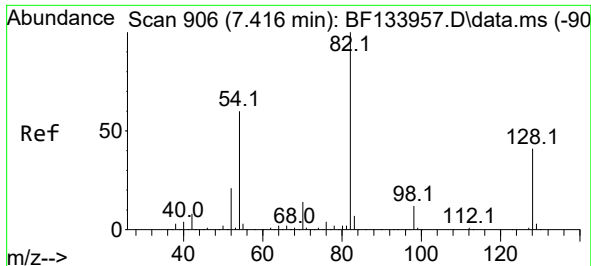


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25



Tgt Ion:136 Resp: 307869
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 7.5 6.5 9.7
68 4.3 4.2 6.2





#23

Nitrobenzene-d5

Concen: 32.498 ng

RT: 7.398 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

Instrument :

BNA_F

ClientSampleId :

VNJ-225DL

Tgt Ion: 82 Resp: 18560

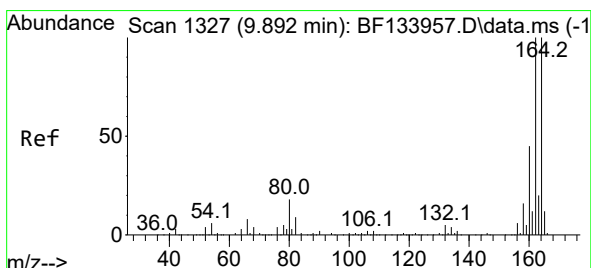
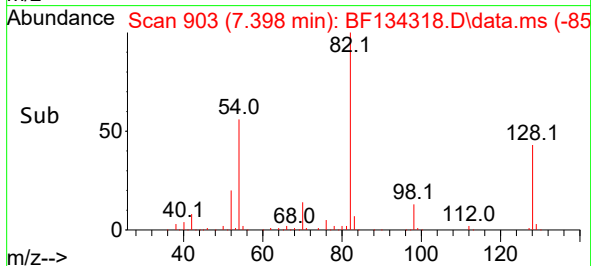
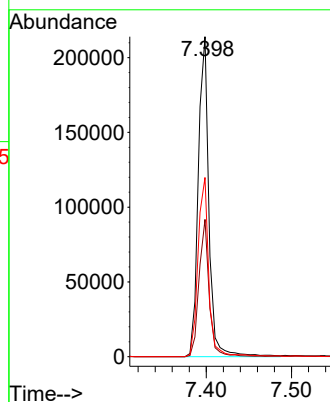
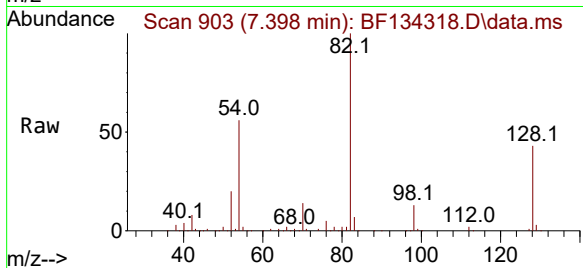
Ion	Ratio	Lower	Upper
82	100		
128	42.9	32.5	48.7
54	56.0	48.2	72.2

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Supervised By :mohammad ahmed 07/19/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

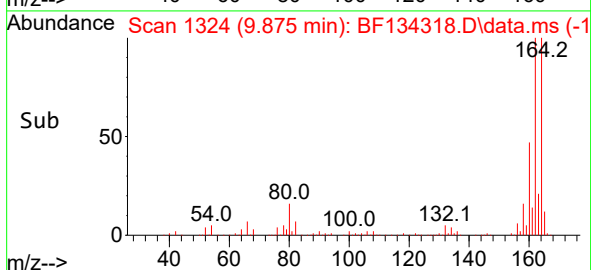
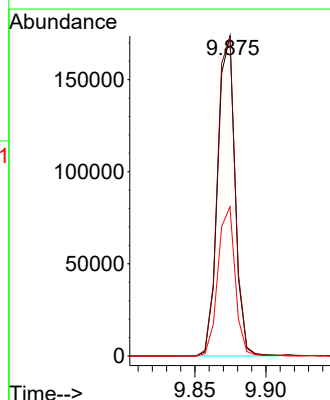
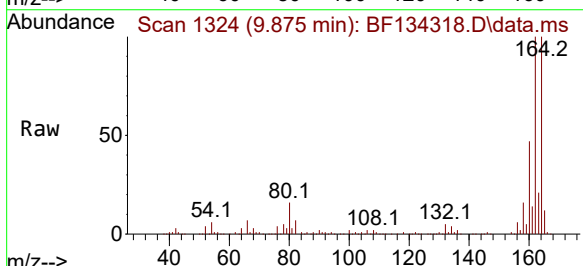
Delta R.T. -0.006 min

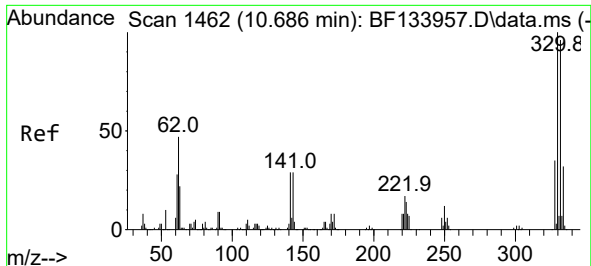
Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

Tgt Ion:164 Resp: 146667

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.0	120.0
160	46.6	35.9	53.9





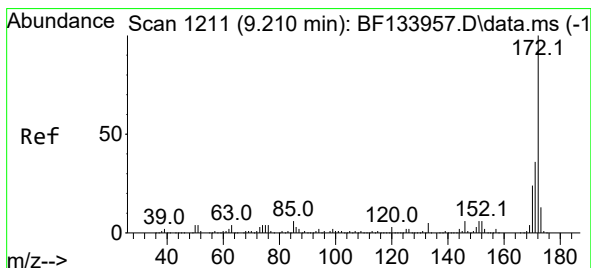
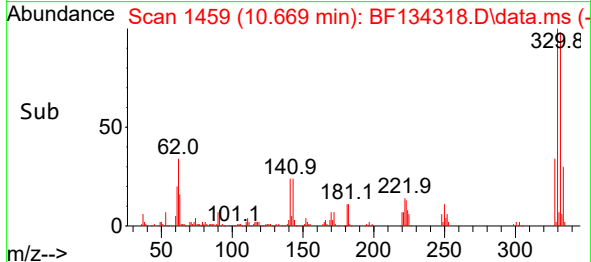
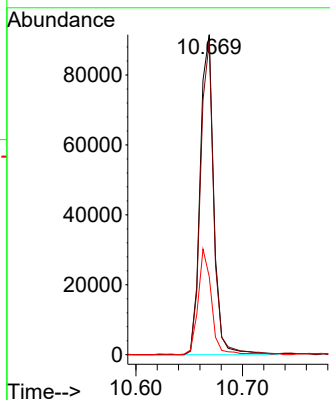
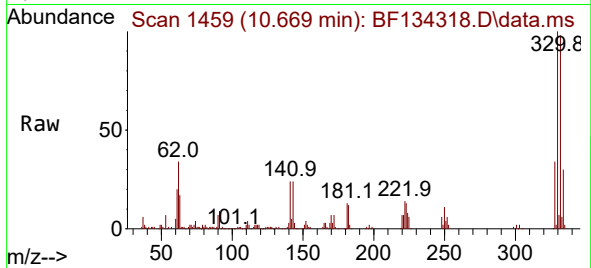
#42
2,4,6-Tribromophenol
Concen: 44.245 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

Instrument :
BNA_F
ClientSampleId :
VNJ-225DL

Tgt Ion:330 Resp: 81362
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.6
141 32.1 26.3 39.5

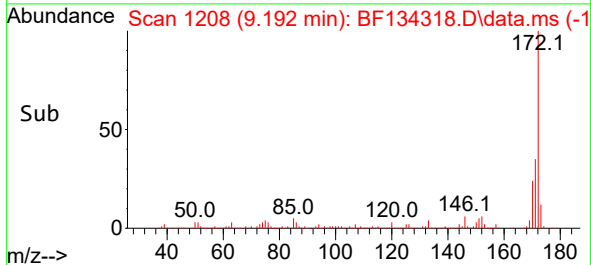
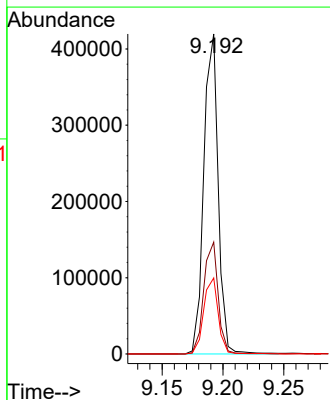
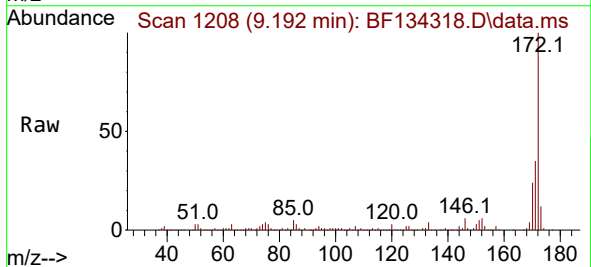
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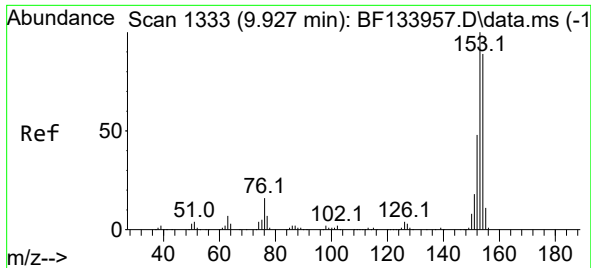
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#45
2-Fluorobiphenyl
Concen: 34.191 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

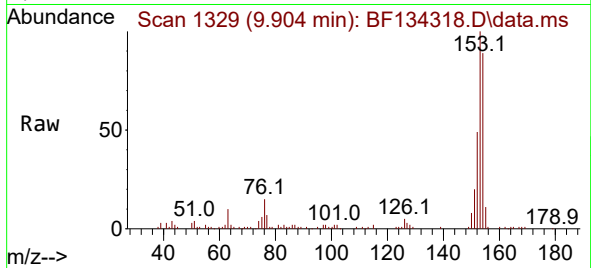
Tgt Ion:172 Resp: 344916
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 23.7 19.4 29.0





#52
Acenaphthene
Concen: 2.911 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

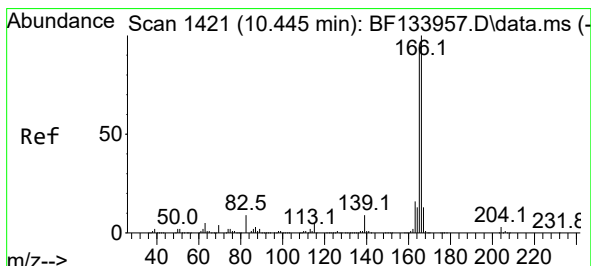
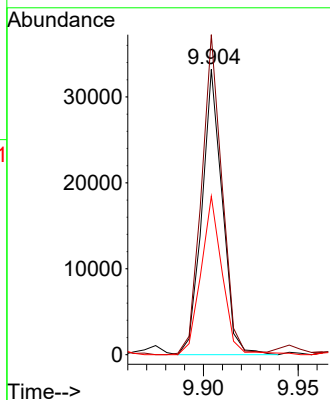
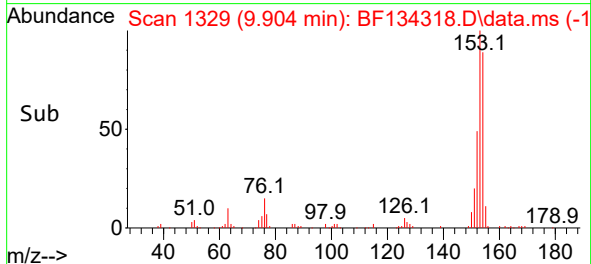
Instrument :
BNA_F
ClientSampleId :
VNJ-225DL



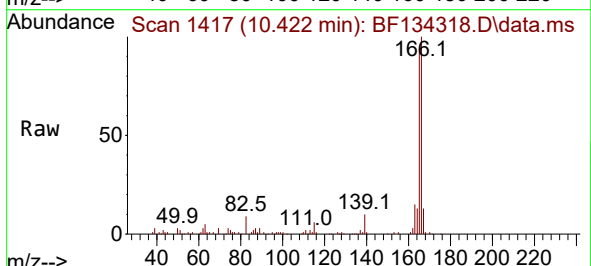
Tgt Ion:154 Resp: 24834
Ion Ratio Lower Upper
154 100
153 112.1 89.4 134.2
152 55.5 42.8 64.2

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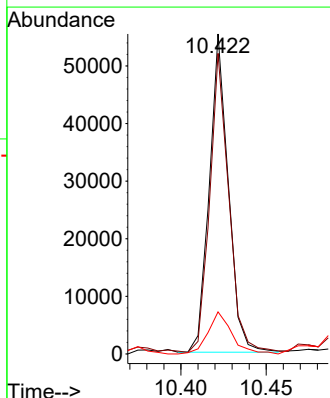
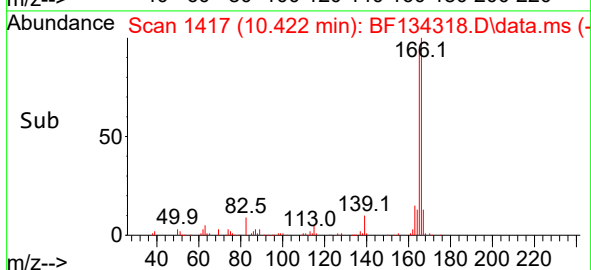
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

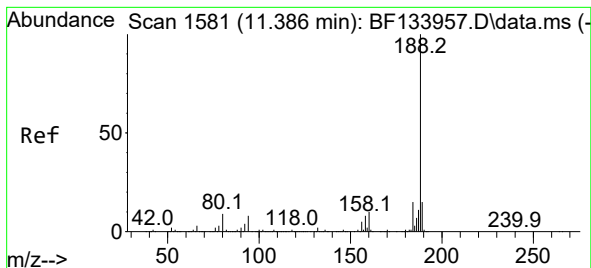


#58
Fluorene
Concen: 4.130 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25



Tgt Ion:166 Resp: 42842
Ion Ratio Lower Upper
166 100
165 93.9 75.0 112.4
167 13.1 10.6 15.8





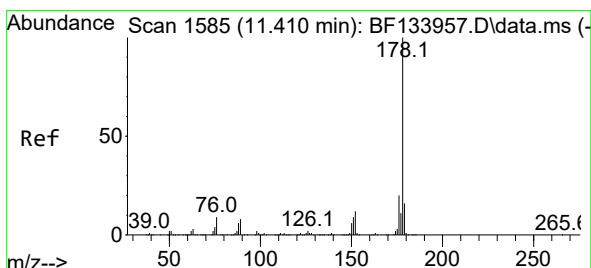
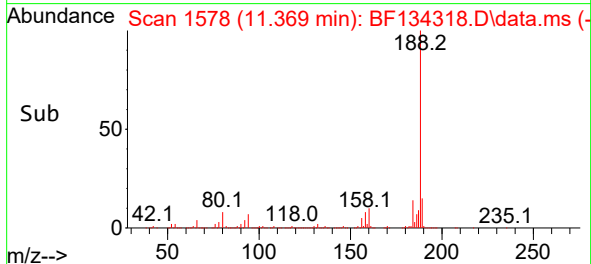
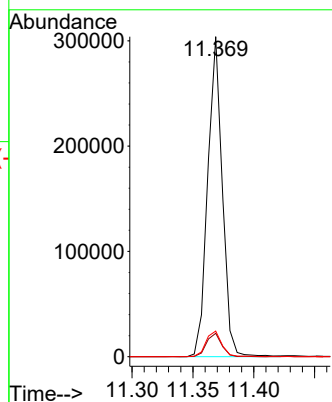
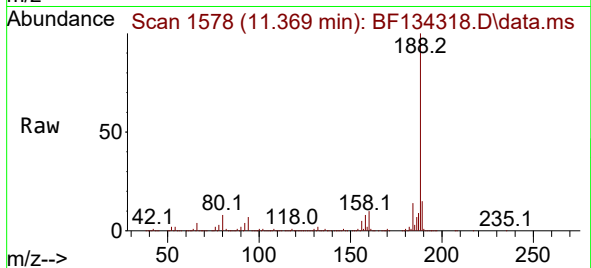
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

Instrument :
BNA_F
ClientSampleId :
VNJ-225DL

Tgt Ion:188 Resp: 25398
Ion Ratio Lower Upper
188 100
94 7.3 6.4 9.6
80 8.0 7.3 10.9

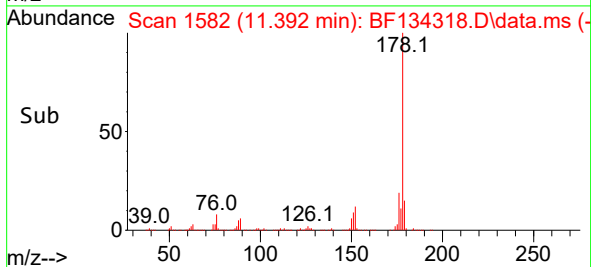
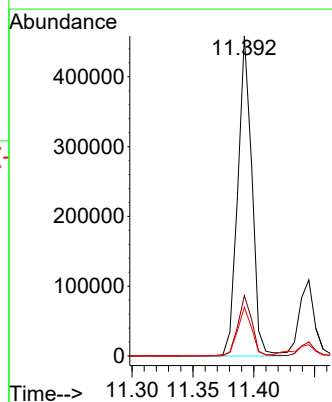
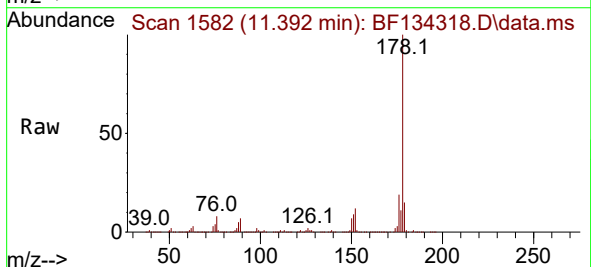
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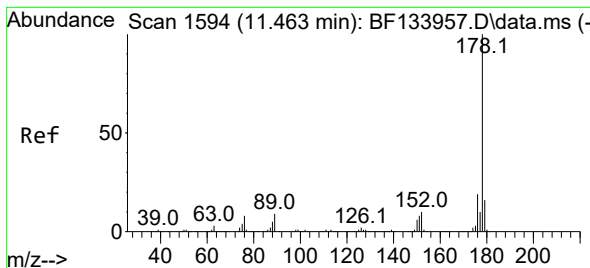
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#71
Phenanthrene
Concen: 28.805 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

Tgt Ion:178 Resp: 368302
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.2 12.4 18.6





#72

Anthracene

Concen: 6.753 ng

RT: 11.445 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

Instrument :

BNA_F

ClientSampleId :

VNJ-225DL

Tgt Ion:178 Resp: 8981

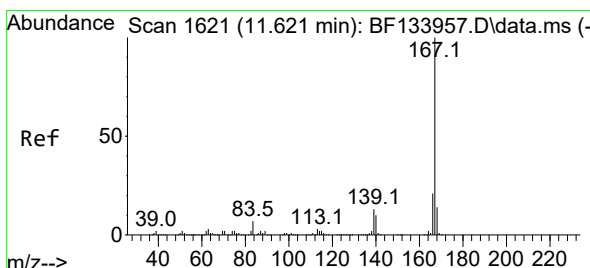
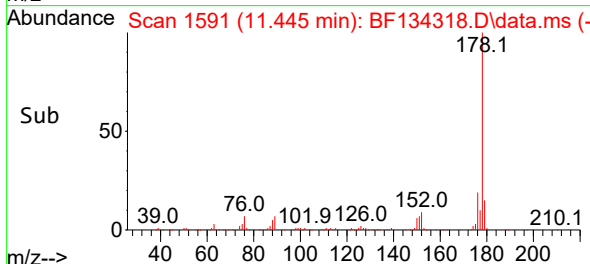
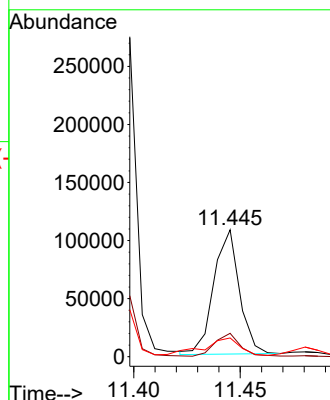
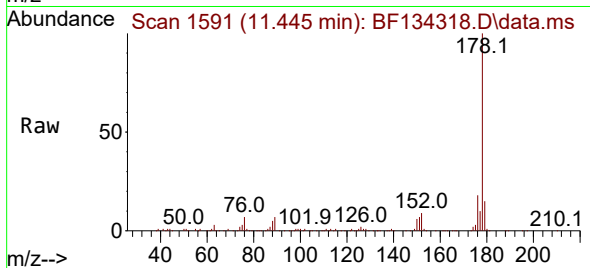
Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	14.8	12.4	18.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#73

Carbazole

Concen: 3.027 ng

RT: 11.604 min Scan# 1618

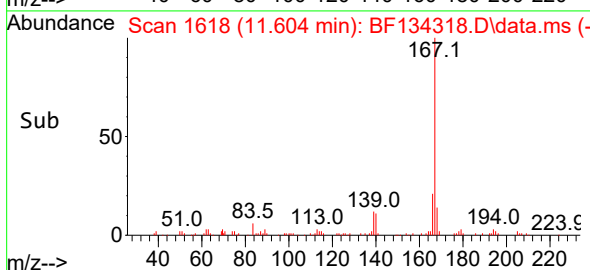
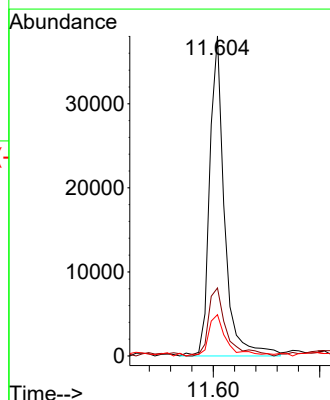
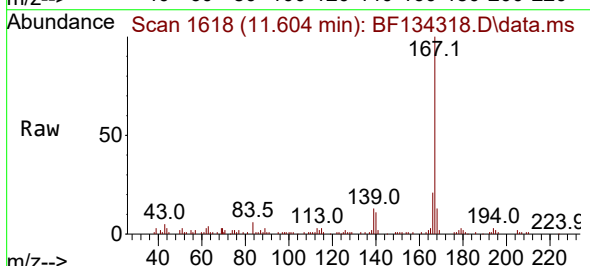
Delta R.T. -0.012 min

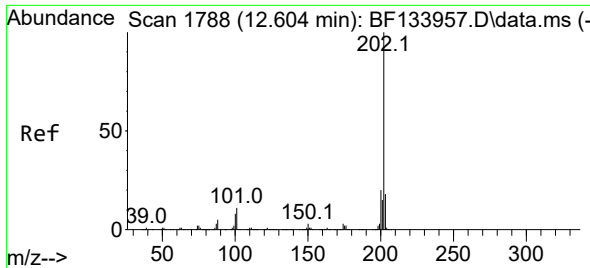
Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

Tgt Ion:167 Resp: 36848

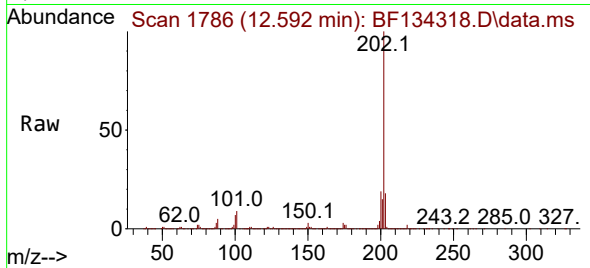
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	12.9	10.4	15.6





#75
Fluoranthene
Concen: 44.522 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

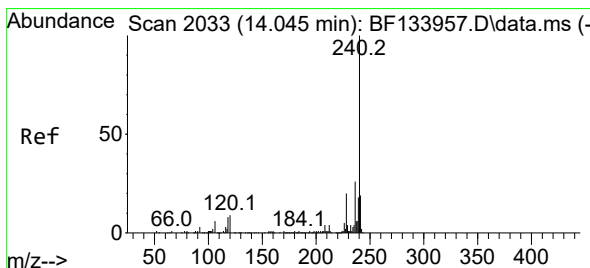
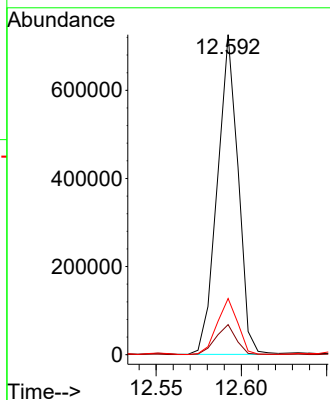
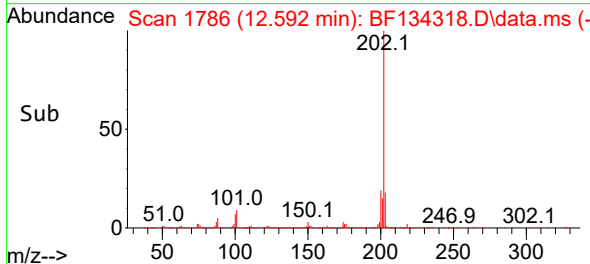
Instrument :
BNA_F
ClientSampleId :
VNJ-225DL



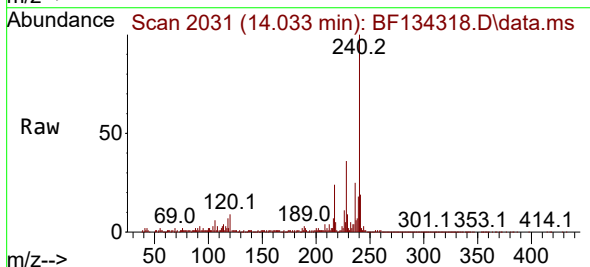
Tgt Ion:202 Resp: 61541
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.0
203 17.5 0.0 37.6

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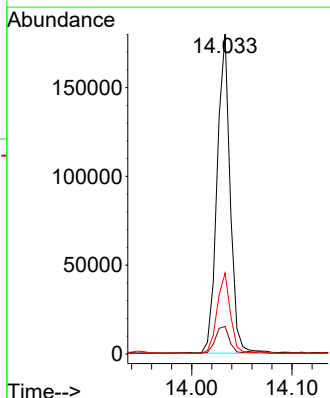
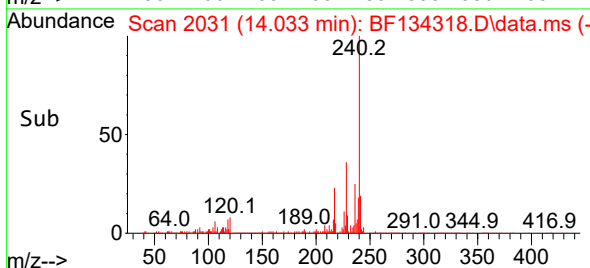
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

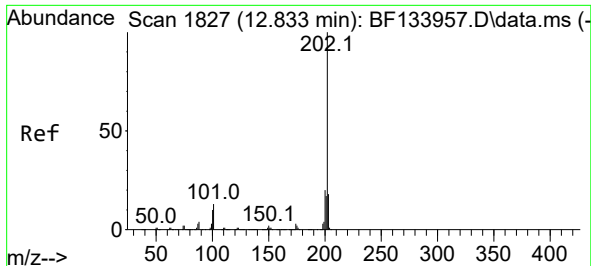


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25



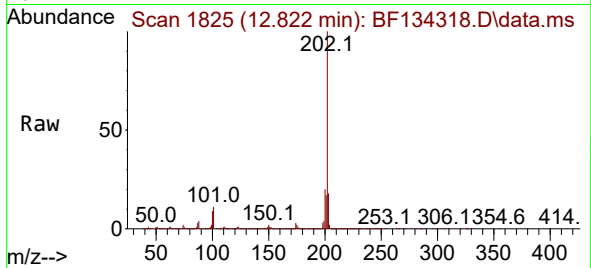
Tgt Ion:240 Resp: 162529
Ion Ratio Lower Upper
240 100
120 8.6 7.4 11.0
236 25.3 21.0 31.6





#78
Pyrene
Concen: 33.438 ng
RT: 12.822 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

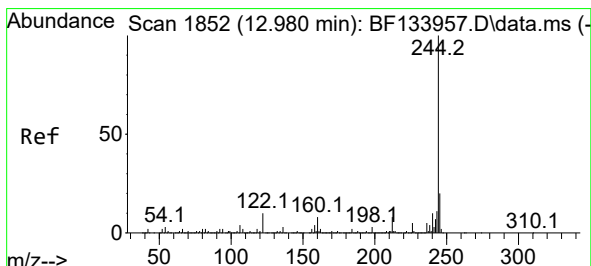
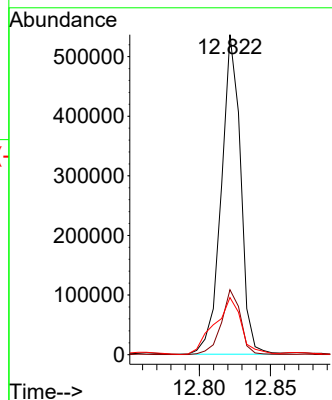
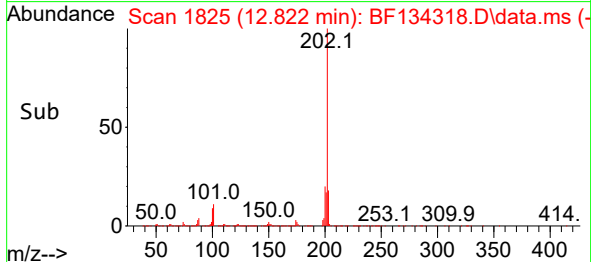
Instrument :
BNA_F
ClientSampleId :
VNJ-225DL



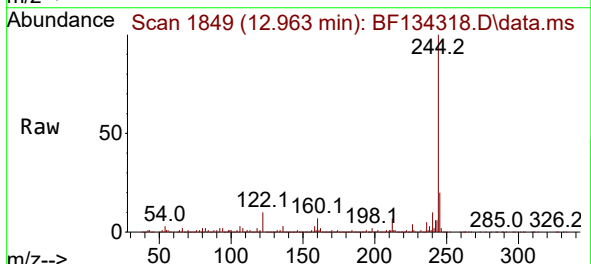
Tgt Ion:202 Resp: 505768
Ion Ratio Lower Upper
202 100
200 20.3 16.1 24.1
203 17.8 14.3 21.5

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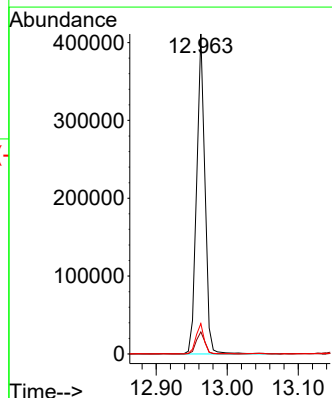
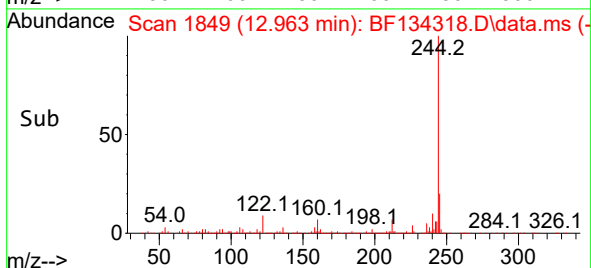
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

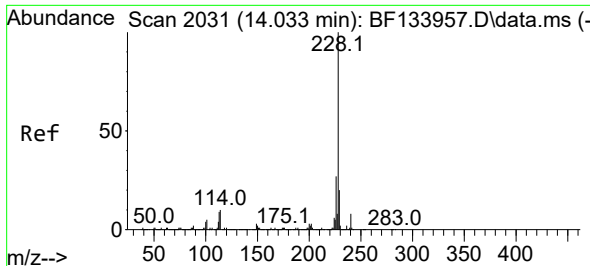


#79
Terphenyl-d14
Concen: 33.325 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25



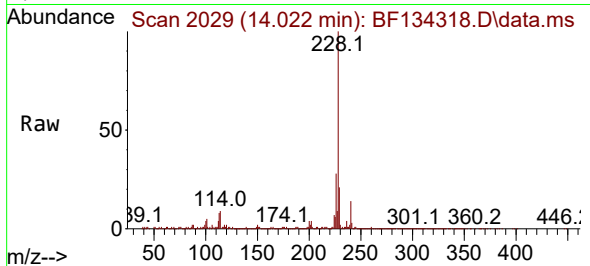
Tgt Ion:244 Resp: 336532
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.5 8.3 12.5





#81
Benzo(a)anthracene
Concen: 28.103 ng
RT: 14.022 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

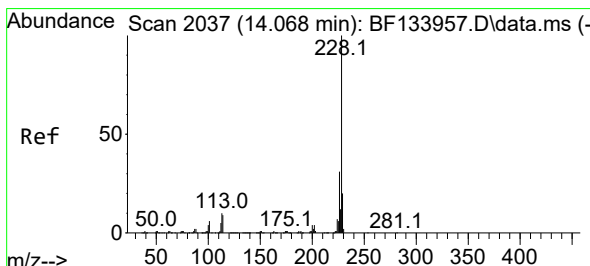
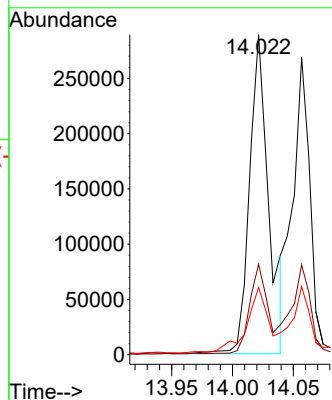
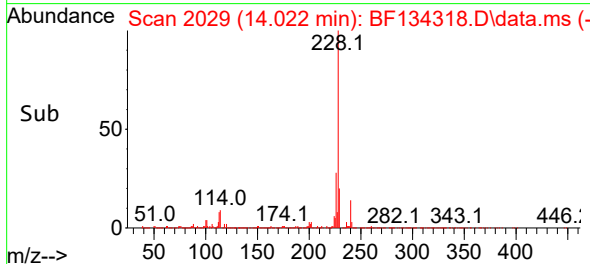
Instrument :
BNA_F
ClientSampleId :
VNJ-225DL



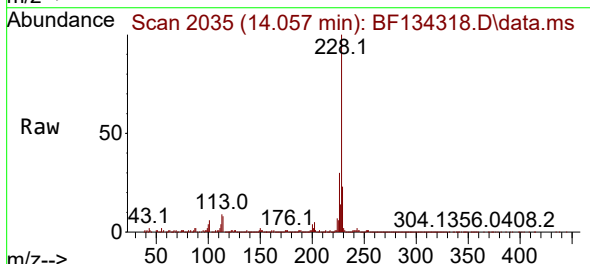
Tgt Ion:228 Resp: 316772
Ion Ratio Lower Upper
228 100
226 28.3 22.0 33.0
229 21.0 16.3 24.5

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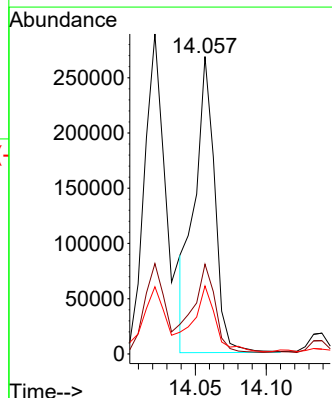
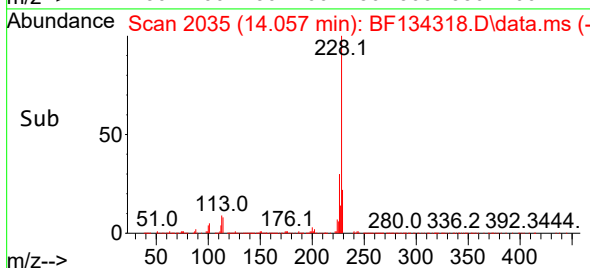
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

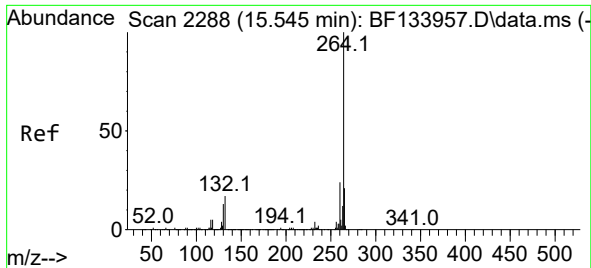


#83
Chrysene
Concen: 24.354 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25



Tgt Ion:228 Resp: 265876
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 22.9 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

Instrument :

BNA_F

ClientSampleId :

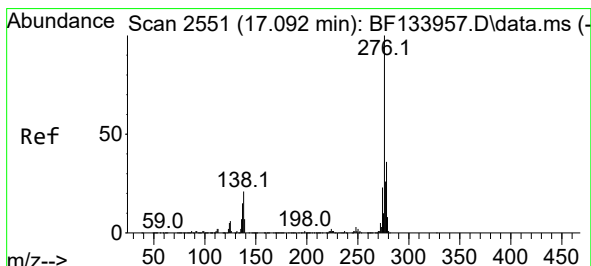
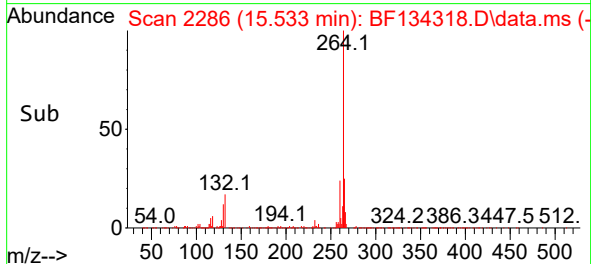
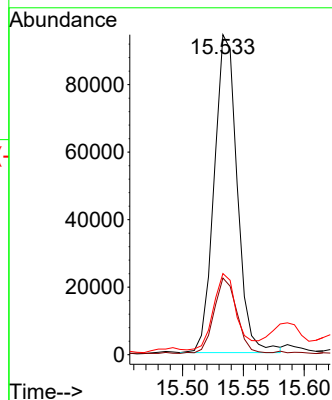
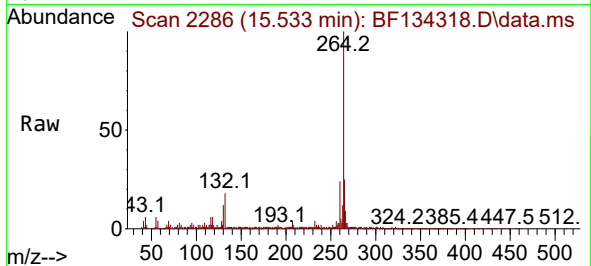
VNJ-225DL

Tgt Ion:264 Resp: 123998
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 25.4 16.6 25.0

Manual Integrations

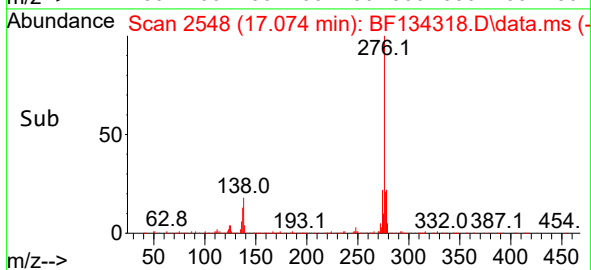
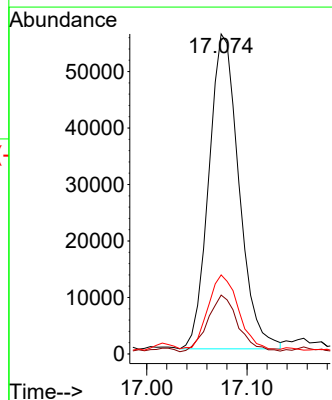
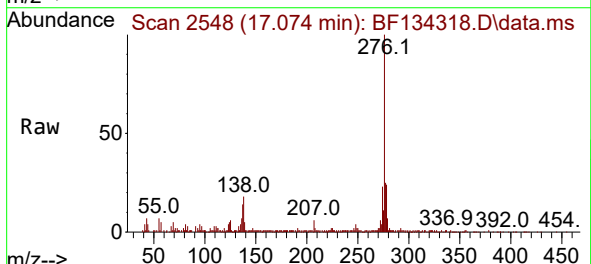
APPROVED

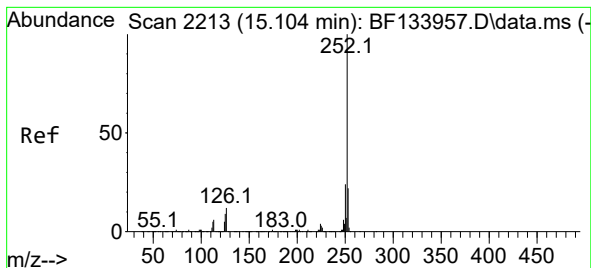
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 13.522 ng
RT: 17.074 min Scan# 2548
Delta R.T. -0.023 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

Tgt Ion:276 Resp: 116343
Ion Ratio Lower Upper
276 100
138 18.2 18.7 28.1#
277 23.7 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 52.697 ng m

RT: 15.092 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

Instrument :

BNA_F

ClientSampleId :

VNJ-225DL

Tgt Ion:252 Resp: 38422

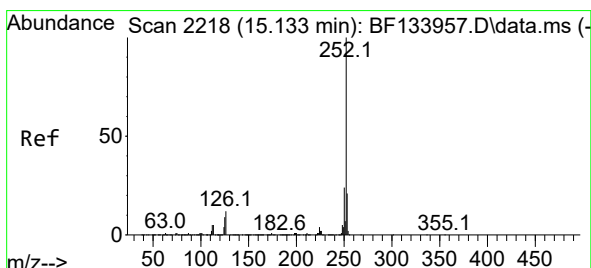
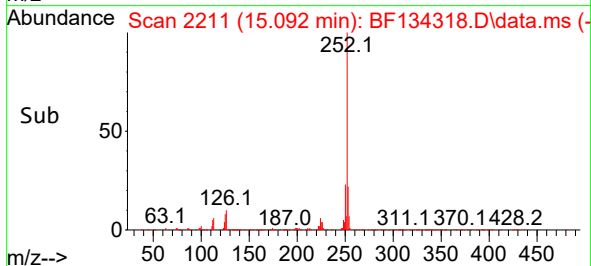
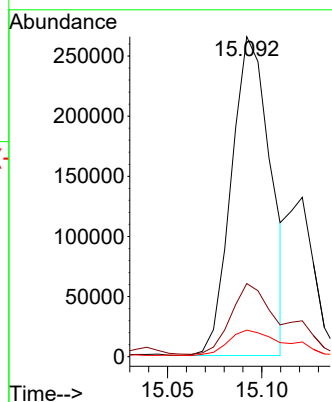
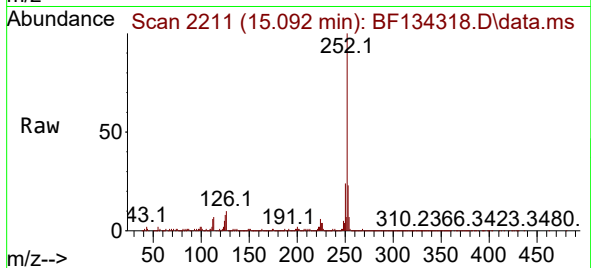
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	8.3	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#89

Benzo(k)fluoranthene

Concen: 16.893 ng m

RT: 15.121 min Scan# 2216

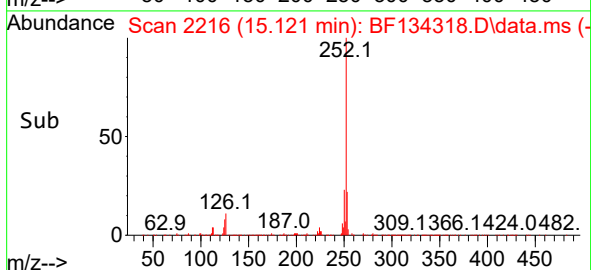
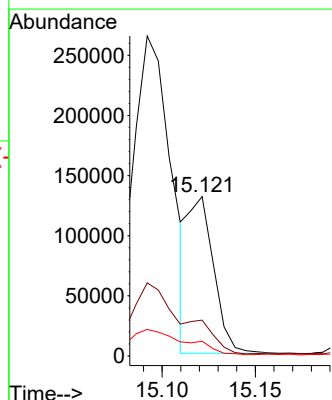
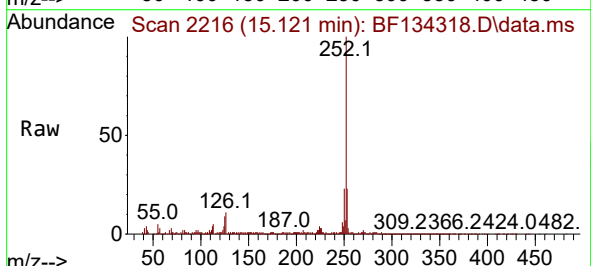
Delta R.T. -0.012 min

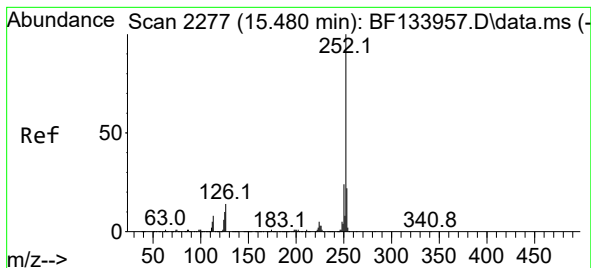
Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

Tgt Ion:252 Resp: 125403

Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.9	25.3
125	9.2	7.4	11.2





#90

Benzo(a)pyrene

Concen: 27.536 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

Instrument :

BNA_F

ClientSampleId :

VNJ-225DL

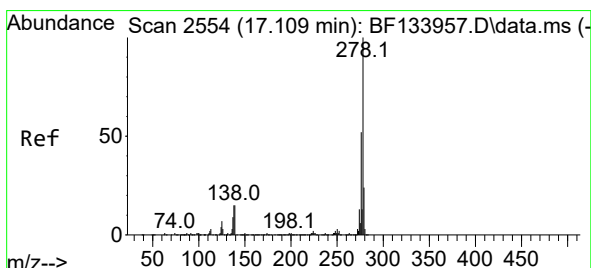
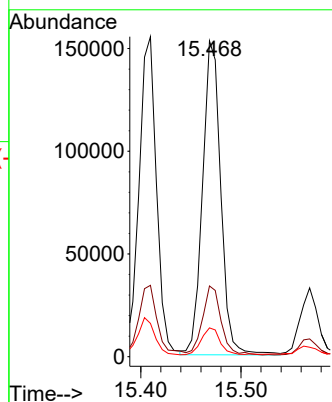
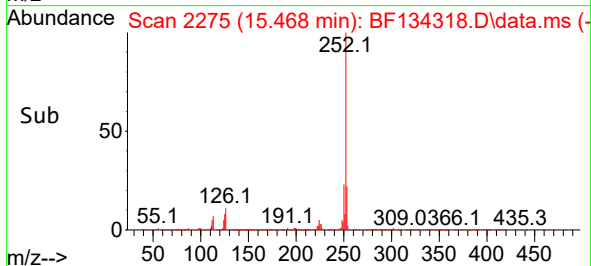
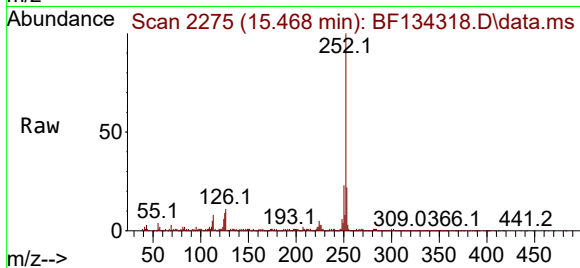
Tgt Ion:252 Resp: 19414
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.4 26.0
 125 9.1 8.4 12.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#91

Dibenzo(a,h)anthracene

Concen: 5.597 ng

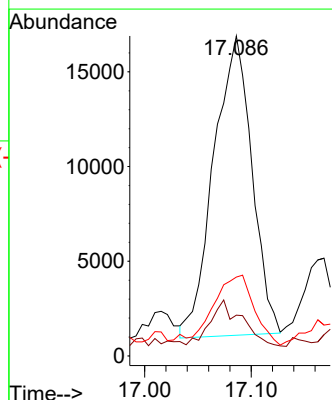
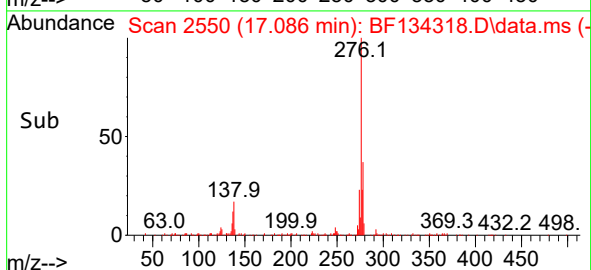
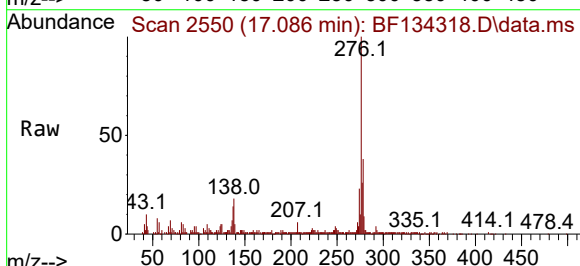
RT: 17.086 min Scan# 2550

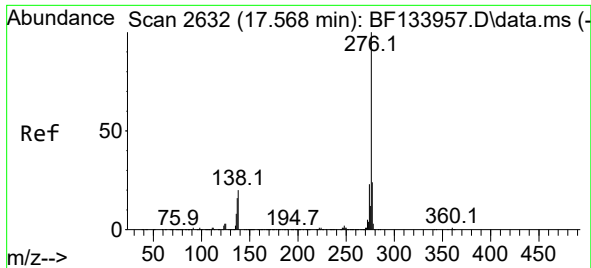
Delta R.T. -0.023 min

Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

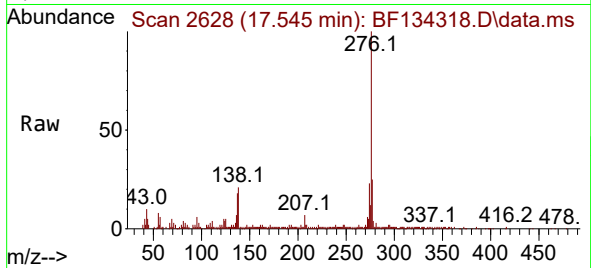
Tgt Ion:278 Resp: 39332
 Ion Ratio Lower Upper
 278 100
 139 12.7 12.2 18.4
 279 24.7 19.4 29.2





#92
Benzo(g,h,i)perylene
Concen: 14.679 ng
RT: 17.545 min Scan# 20
Delta R.T. -0.023 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

Instrument :
BNA_F
ClientSampleId :
VNJ-225DL



Tgt Ion:276 Resp: 10638
Ion Ratio Lower Upper
276 100
277 24.5 19.0 28.6
138 20.5 16.2 24.2

Manual Integrations
APPROVED

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

