

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134319.D
 Acq On : 17 Jul 2023 17:00
 Operator : CG\JU
 Sample : 03615-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210

Manual Integrations
 APPROVED

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

Quant Time: Jul 17 17:35:17 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	83160	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	298943	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	145548	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	211604	20.000	ng	0.00
76) Chrysene-d12	14.027	240	174869	20.000	ng	-0.01
86) Perylene-d12	15.533	264	126913	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	468474	94.234	ng	0.00
7) Phenol-d6	6.475	99	551710	90.240	ng	-0.01
23) Nitrobenzene-d5	7.398	82	356293	64.247	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	167497	91.785	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	700856	70.009	ng	-0.01
79) Terphenyl-d14	12.963	244	702400	64.646	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	32542	3.055	ng	99
75) Fluoranthene	12.586	202	133591	11.600	ng	99
78) Pyrene	12.822	202	120179	7.385	ng	98
81) Benzo(a)anthracene	14.016	228	62928	5.189	ng	97
83) Chrysene	14.057	228	67588	5.754	ng	98
88) Benzo(b)fluoranthene	15.086	252	62489m	8.374	ng	
89) Benzo(k)fluoranthene	15.116	252	15934m	2.097	ng	
90) Benzo(a)pyrene	15.468	252	28833	3.996	ng	# 90
92) Benzo(g,h,i)perylene	17.545	276	18893	2.547	ng	# 95

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

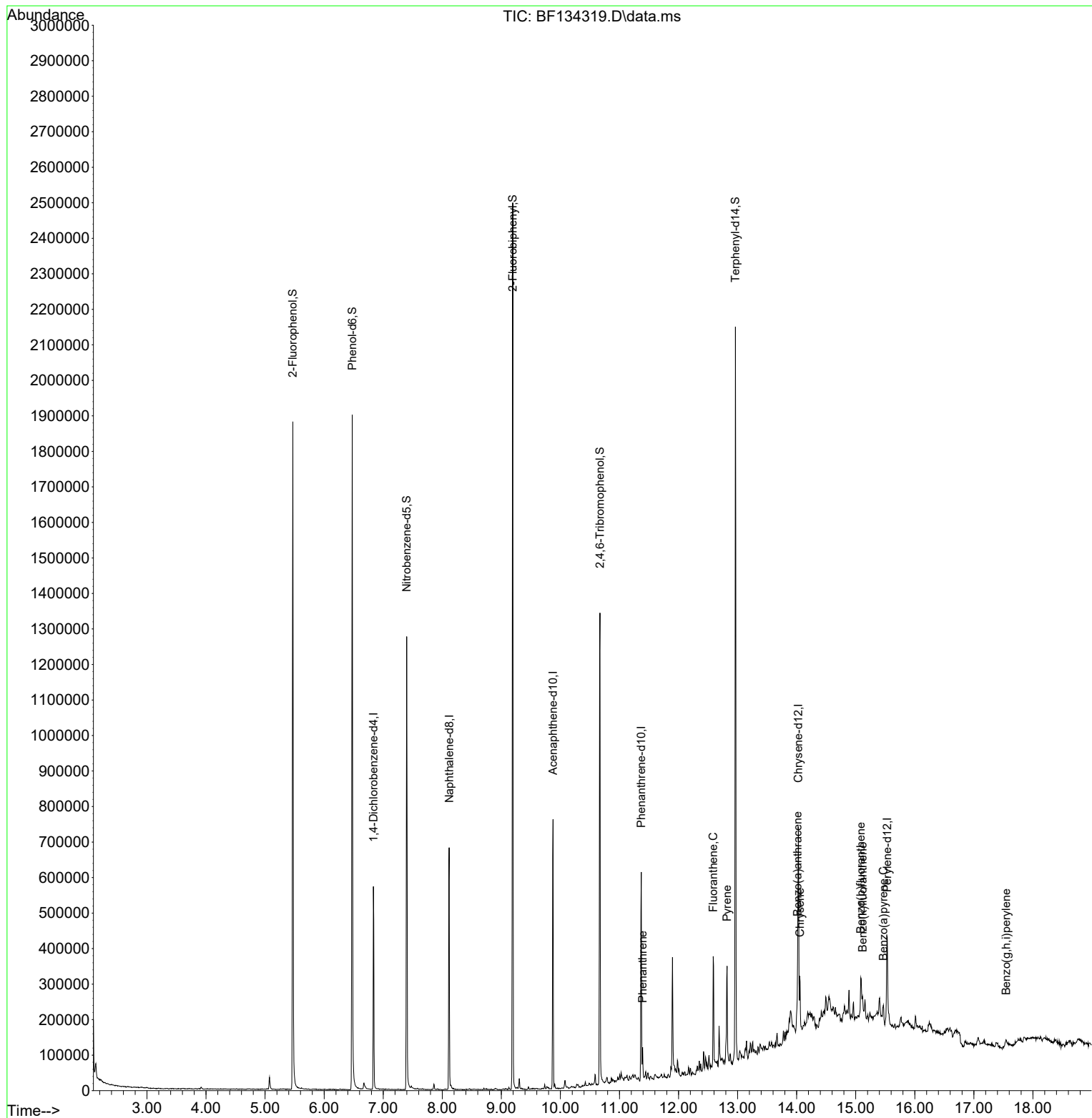
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134319.D
Acq On : 17 Jul 2023 17:00
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Sample : 03615-04
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ALS Vial : 7 Sample Multiplier: 1

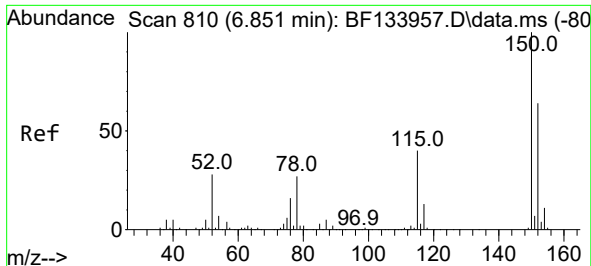
Instrument :
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Quant Time: Jul 17 17:35:17 2023
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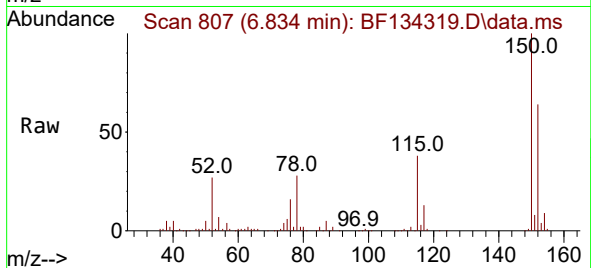
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF134319.D
Acq: 17 Jul 2023 17:00

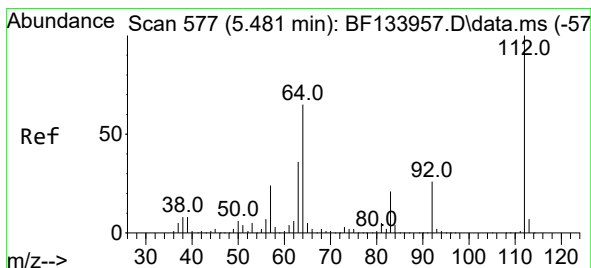
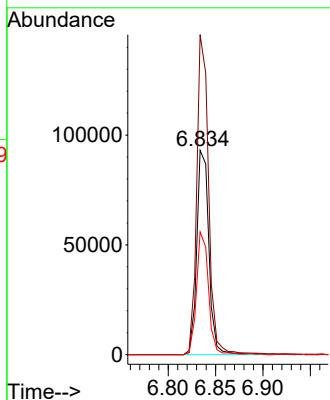
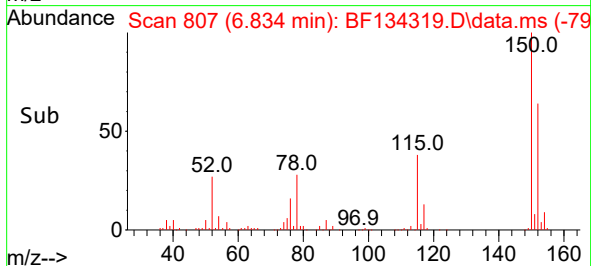
Instrument :
BNA_F
ClientSampleId :
VNJ-210



Tgt Ion:152 Resp: 83160
Ion Ratio Lower Upper
152 100
150 156.7 124.5 186.7
115 60.2 50.2 75.2

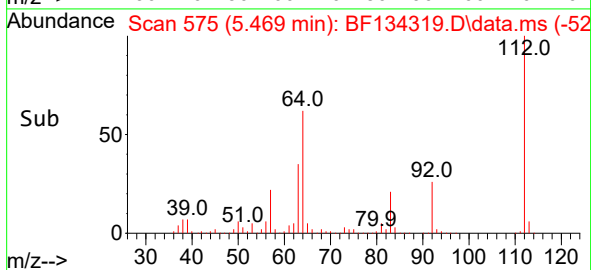
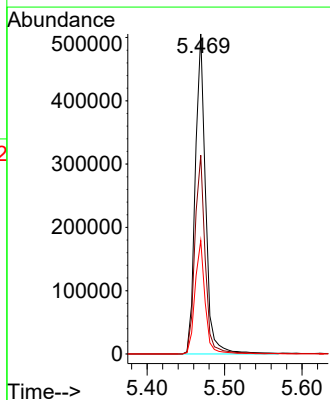
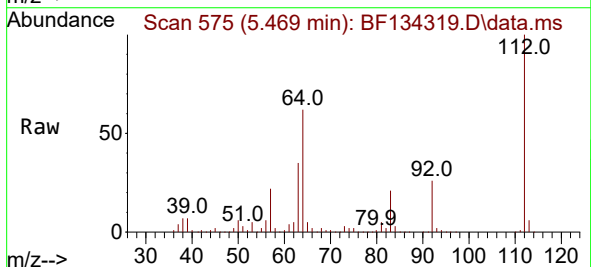
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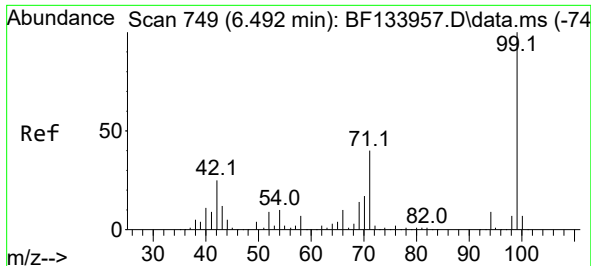
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#5
2-Fluorophenol
Concen: 94.234 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134319.D
Acq: 17 Jul 2023 17:00

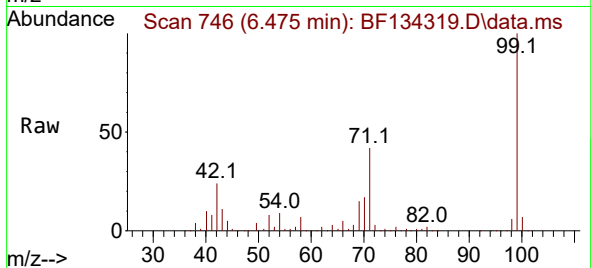
Tgt Ion:112 Resp: 468474
Ion Ratio Lower Upper
112 100
64 62.1 52.1 78.1
63 35.5 28.6 42.8





#7
Phenol-d6
Concen: 90.240 ng
RT: 6.475 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134319.D
Acq: 17 Jul 2023 17:00

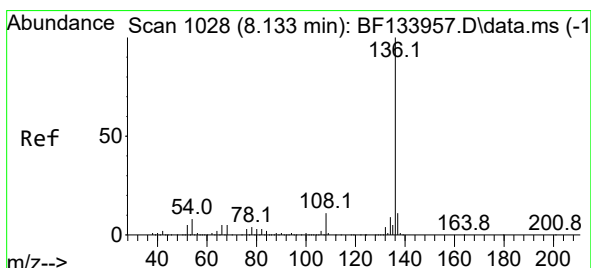
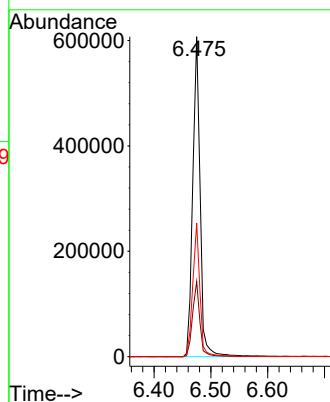
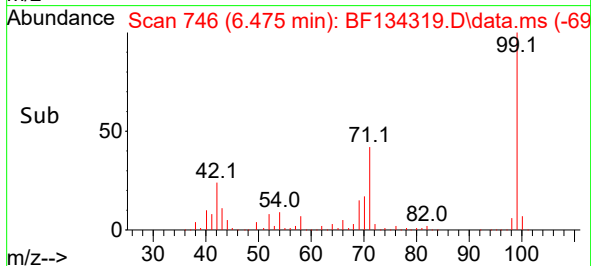
Instrument :
BNA_F
ClientSampleId :
VNJ-210



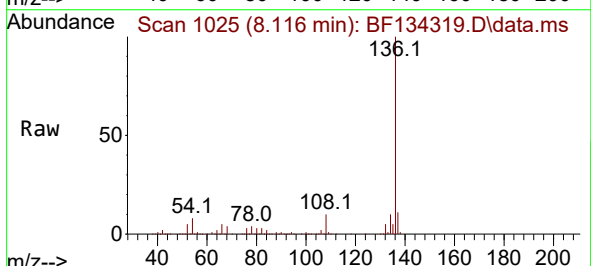
Tgt Ion: 99 Resp: 551710
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.6
71 41.8 31.9 47.9

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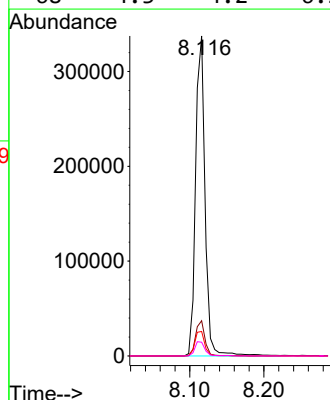
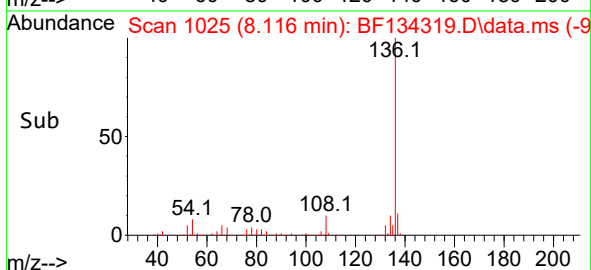
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

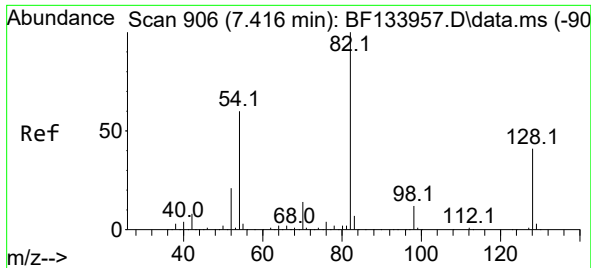


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134319.D
Acq: 17 Jul 2023 17:00



Tgt Ion:136 Resp: 298943
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 7.6 6.5 9.7
68 4.3 4.2 6.2





#23

Nitrobenzene-d5

Concen: 64.247 ng

RT: 7.398 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134319.D

Acq: 17 Jul 2023 17:00

Instrument :

BNA_F

ClientSampleId :

VNJ-210

Tgt Ion: 82 Resp: 35629

Ion Ratio Lower Upper

82 100

128 41.3 32.5 48.7

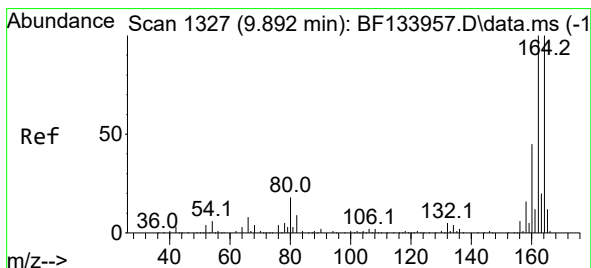
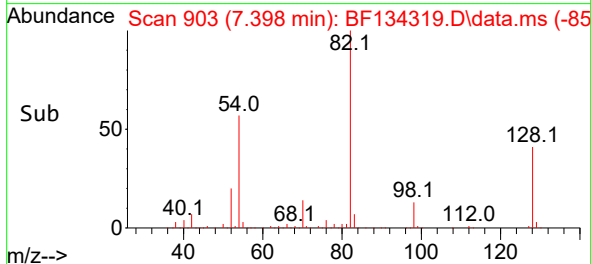
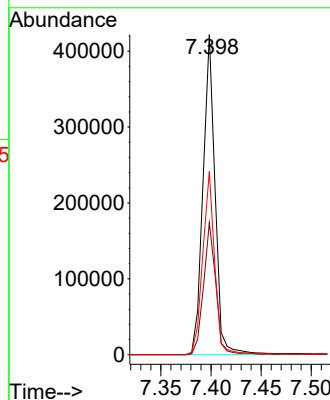
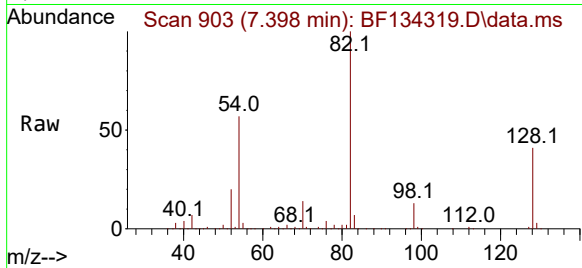
54 57.3 48.2 72.2

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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: BF134319.D

Acq: 17 Jul 2023 17:00

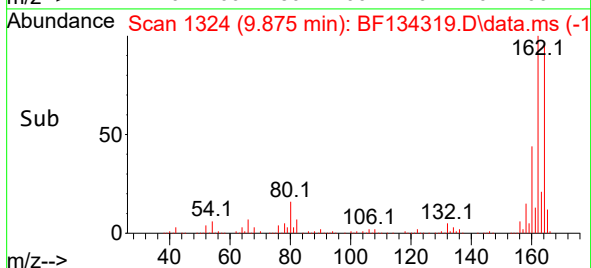
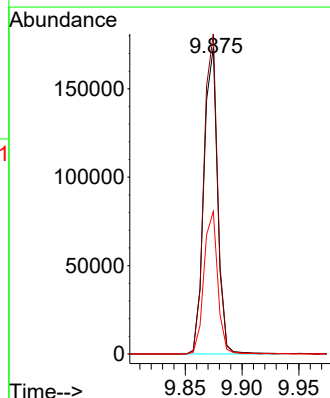
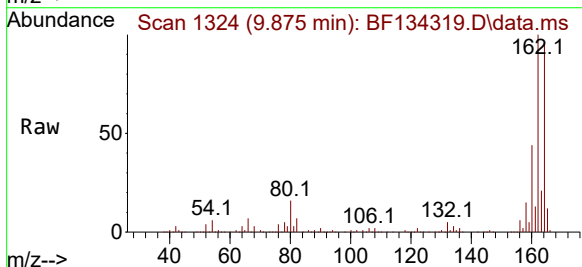
Tgt Ion:164 Resp: 145548

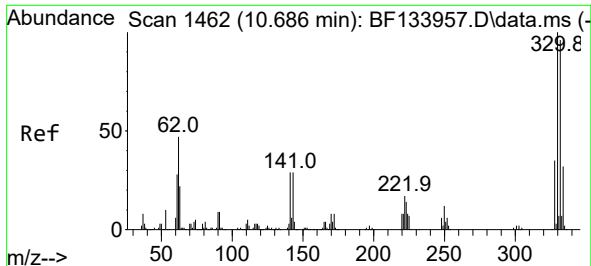
Ion Ratio Lower Upper

164 100

162 104.4 80.0 120.0

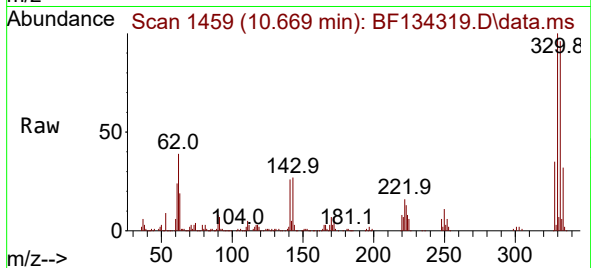
160 46.5 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 91.785 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134319.D
Acq: 17 Jul 2023 17:00

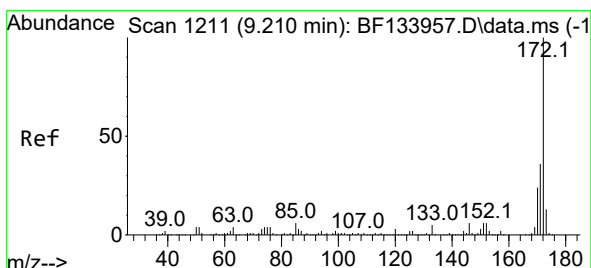
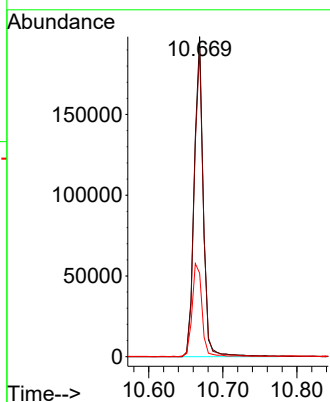
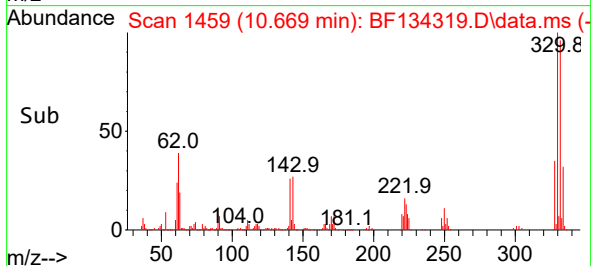
Instrument :
BNA_F
ClientSampleId :
VNJ-210



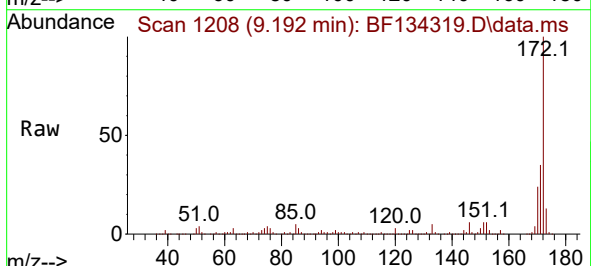
Tgt Ion:330 Resp: 167497
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 31.8 26.3 39.5

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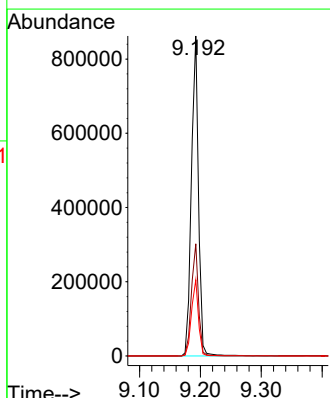
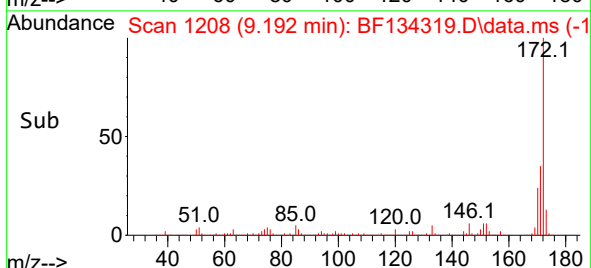
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

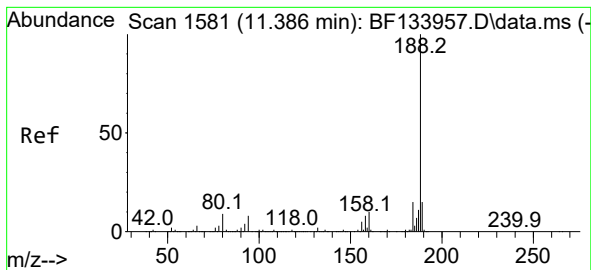


#45
2-Fluorobiphenyl
Concen: 70.009 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134319.D
Acq: 17 Jul 2023 17:00



Tgt Ion:172 Resp: 700856
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.8 19.4 29.0





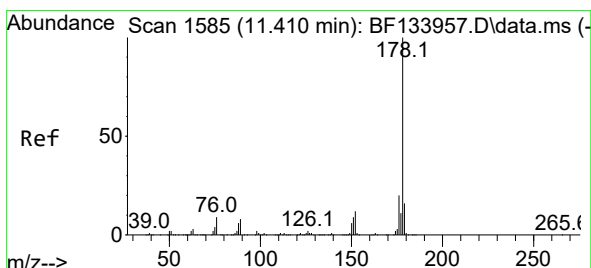
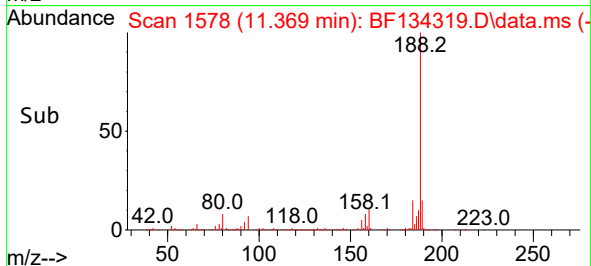
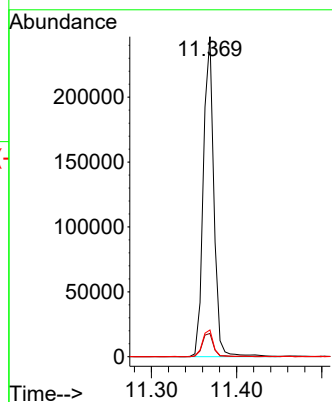
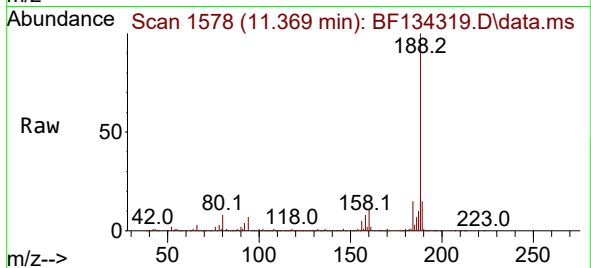
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF134319.D
Acq: 17 Jul 2023 17:00

Instrument :
BNA_F
ClientSampleId :
VNJ-210

Tgt Ion:188 Resp: 211604
Ion Ratio Lower Upper
188 100
94 7.2 6.4 9.6
80 8.4 7.3 10.9

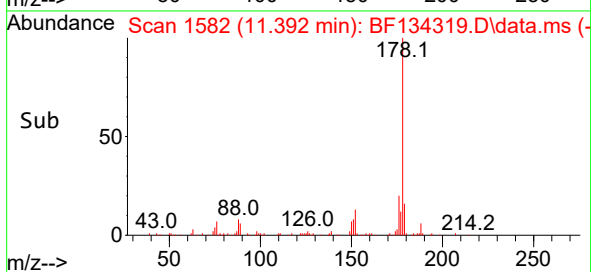
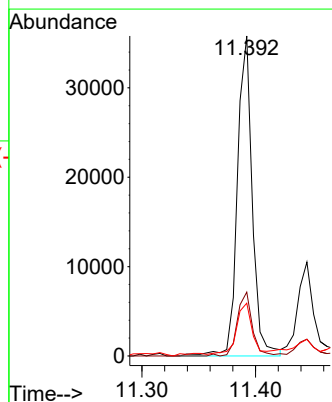
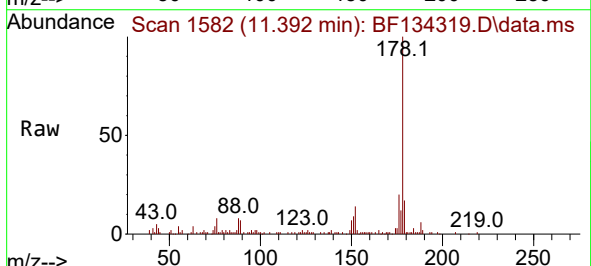
Manual Integrations
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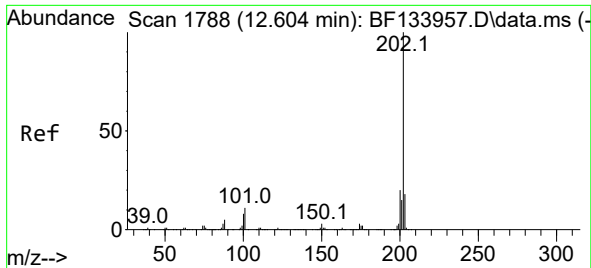
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#71
Phenanthrene
Concen: 3.055 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134319.D
Acq: 17 Jul 2023 17:00

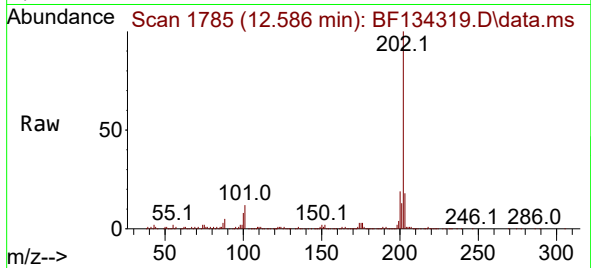
Tgt Ion:178 Resp: 32542
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 16.5 12.4 18.6





#75
Fluoranthene
Concen: 11.600 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134319.D
Acq: 17 Jul 2023 17:00

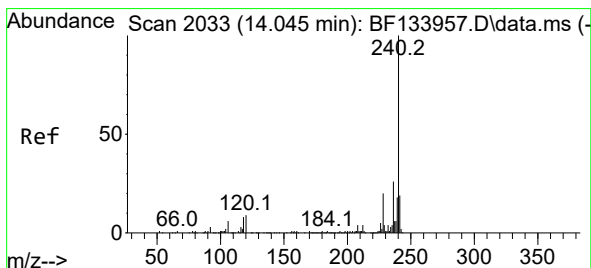
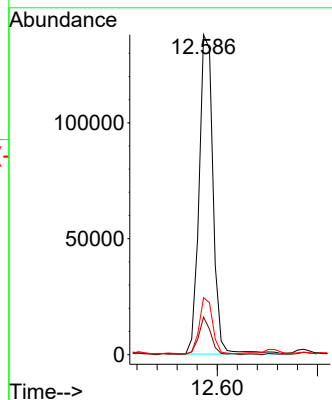
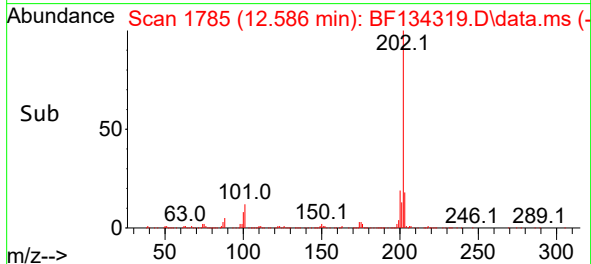
Instrument :
BNA_F
ClientSampleId :
VNJ-210



Tgt Ion:202 Resp: 13359
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.0
203 17.8 0.0 37.6

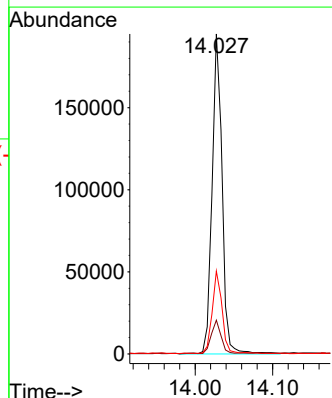
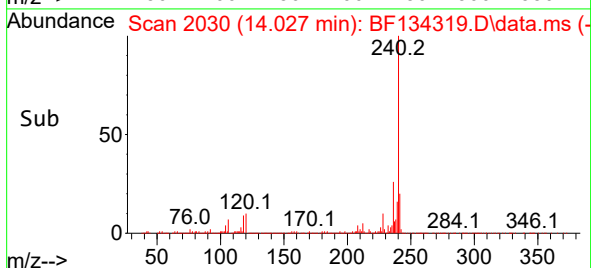
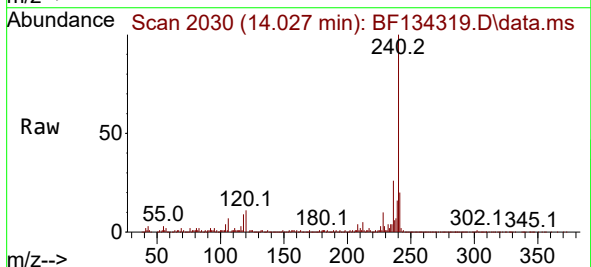
Manual Integrations
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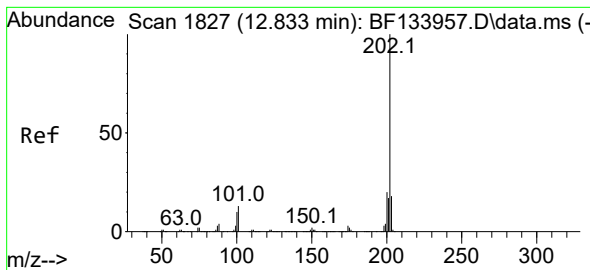
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF134319.D
Acq: 17 Jul 2023 17:00

Tgt Ion:240 Resp: 174869
Ion Ratio Lower Upper
240 100
120 10.6 7.4 11.0
236 25.9 21.0 31.6





#78

Pyrene

Concen: 7.385 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF134319.D

Acq: 17 Jul 2023 17:00

Instrument :

BNA_F

ClientSampleId :

VNJ-210

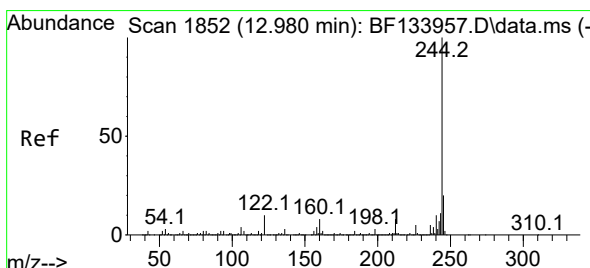
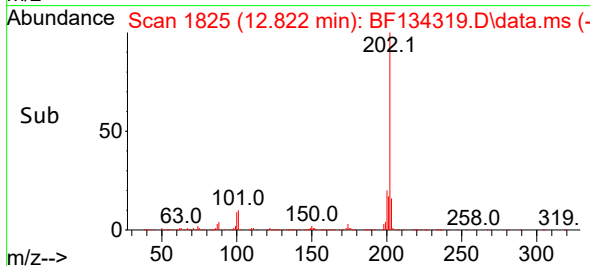
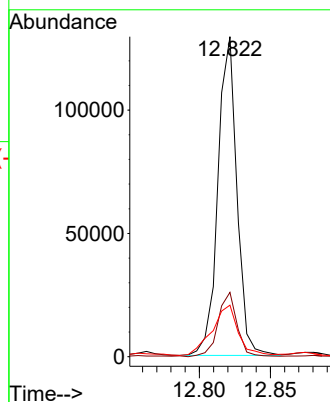
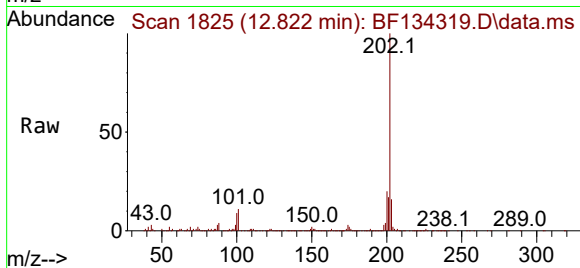
Tgt Ion:	202	Resp:	120179
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.1	24.1
203	16.1	14.3	21.5

Manual Integrations

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#79

Terphenyl-d14

Concen: 64.646 ng

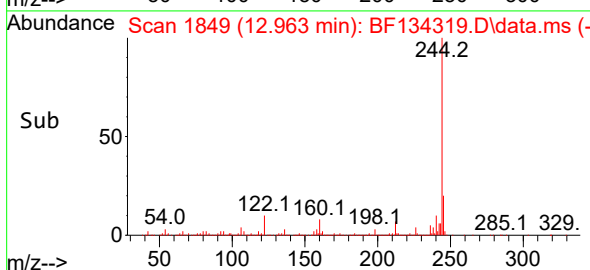
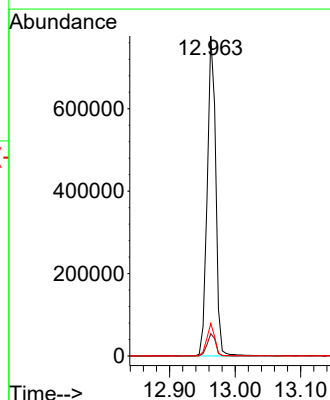
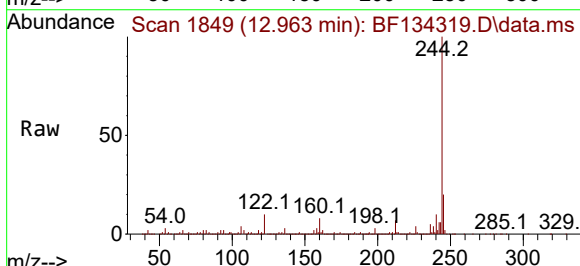
RT: 12.963 min Scan# 1849

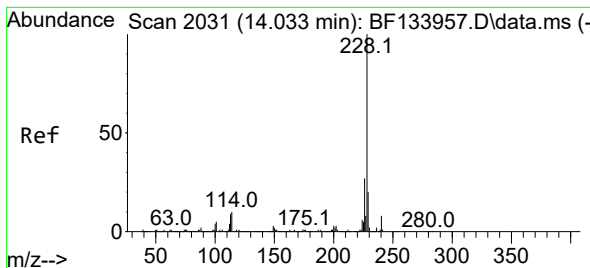
Delta R.T. -0.012 min

Lab File: BF134319.D

Acq: 17 Jul 2023 17:00

Tgt Ion:	244	Resp:	702400
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	10.1	8.3	12.5





#81

Benzo(a)anthracene

Concen: 5.189 ng

RT: 14.016 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF134319.D

Acq: 17 Jul 2023 17:00

Instrument :

BNA_F

ClientSampleId :

VNJ-210

Tgt Ion:228 Resp: 62928

Ion Ratio Lower Upper

228 100

226 29.6 22.0 33.0

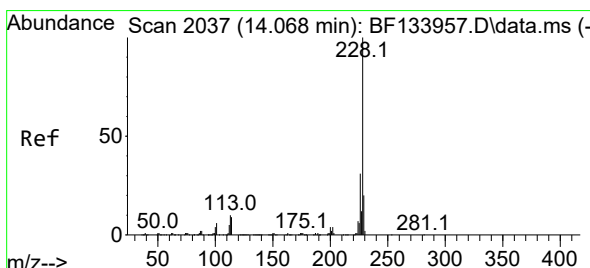
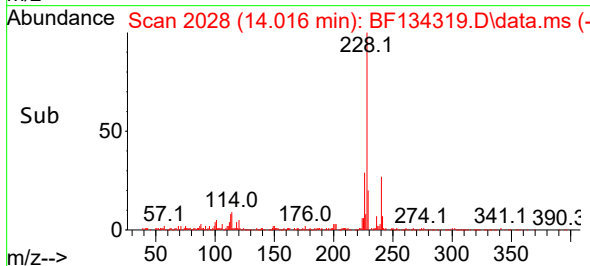
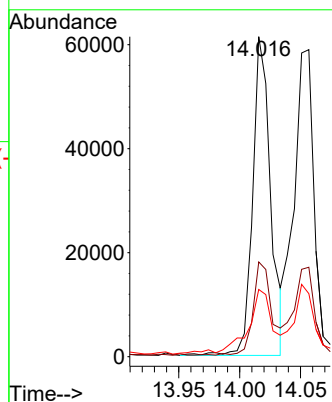
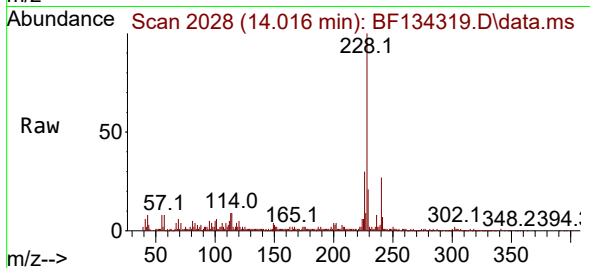
229 21.0 16.3 24.5

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Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#83

Chrysene

Concen: 5.754 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF134319.D

Acq: 17 Jul 2023 17:00

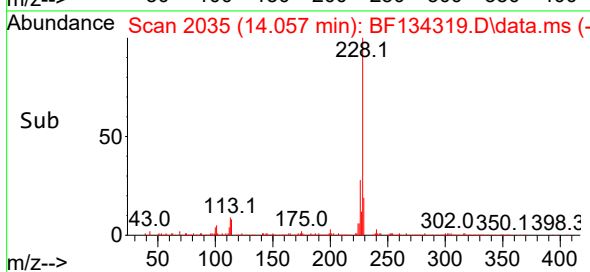
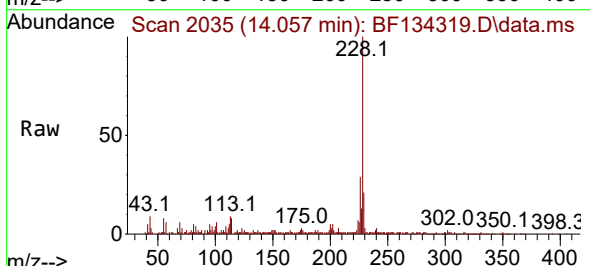
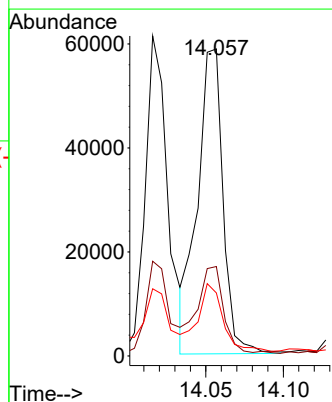
Tgt Ion:228 Resp: 67588

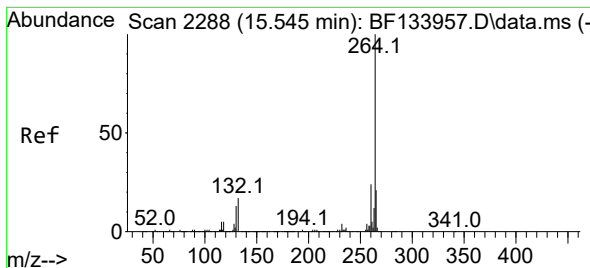
Ion Ratio Lower Upper

228 100

226 29.1 24.4 36.6

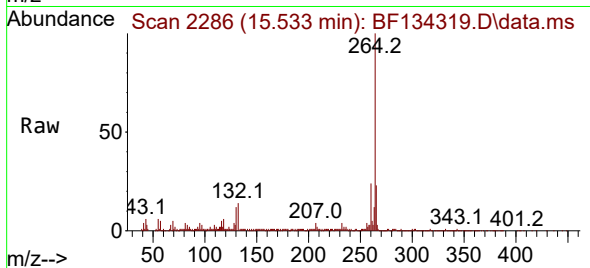
229 20.5 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BF134319.D
Acq: 17 Jul 2023 17:00

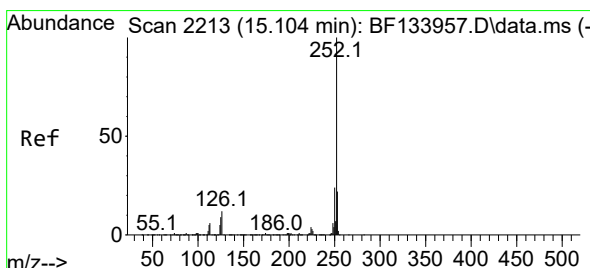
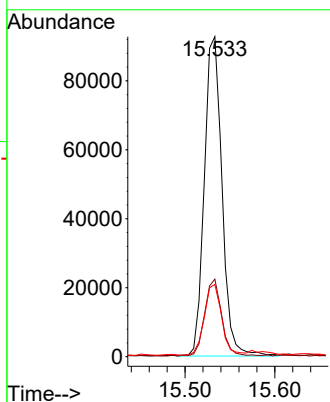
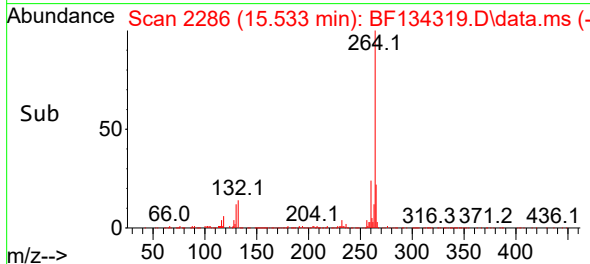
Instrument :
BNA_F
ClientSampleId :
VNJ-210



Tgt Ion:264 Resp: 12691
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 22.6 16.6 25.0

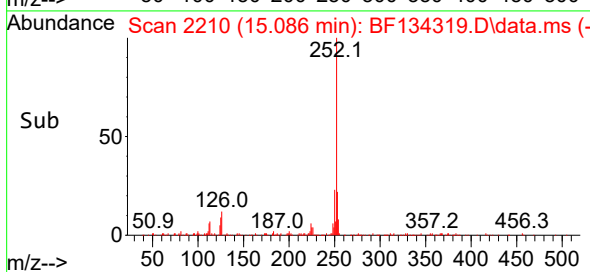
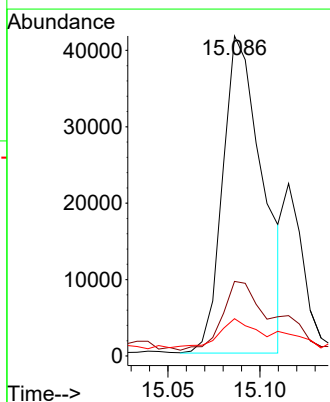
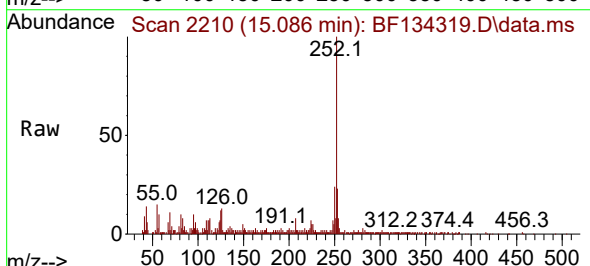
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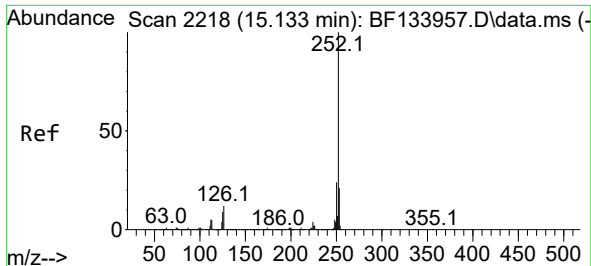
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#88
Benzo(b)fluoranthene
Concen: 8.374 ng m
RT: 15.086 min Scan# 2210
Delta R.T. -0.017 min
Lab File: BF134319.D
Acq: 17 Jul 2023 17:00

Tgt Ion:252 Resp: 62489
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 11.6 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 2.097 ng m

RT: 15.116 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF134319.D

Acq: 17 Jul 2023 17:00

Instrument :

BNA_F

ClientSampleId :

VNJ-210

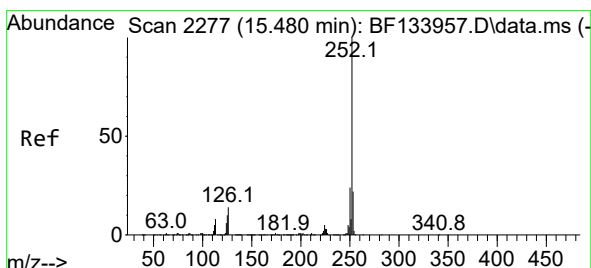
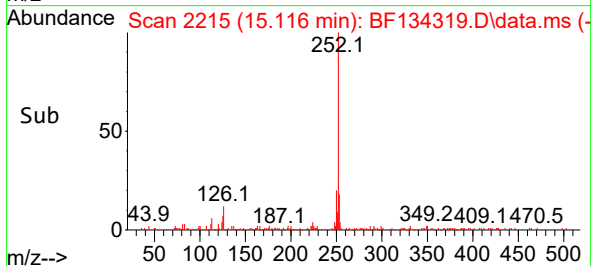
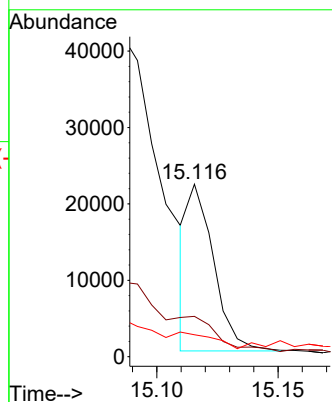
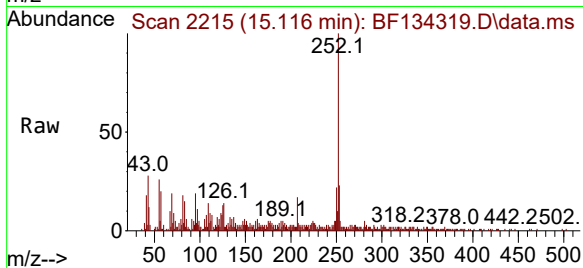
Tgt Ion:252 Resp: 15934
 Ion Ratio Lower Upper
 252 100
 253 23.3 16.9 25.3
 125 12.7 7.4 11.2

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: 3.996 ng

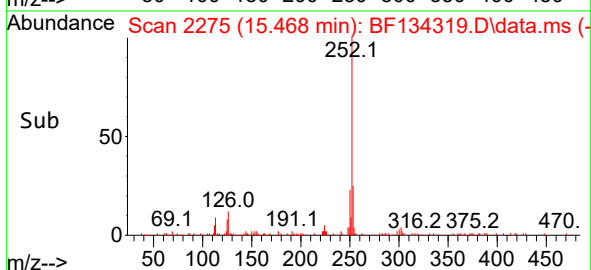
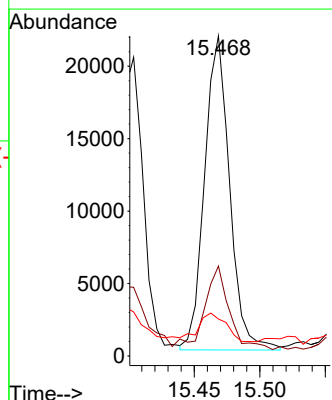
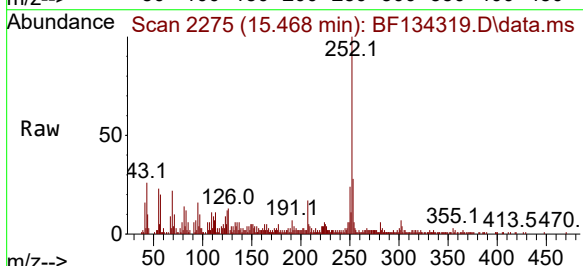
RT: 15.468 min Scan# 2275

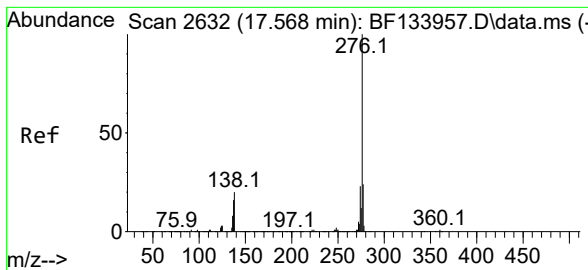
Delta R.T. -0.012 min

Lab File: BF134319.D

Acq: 17 Jul 2023 17:00

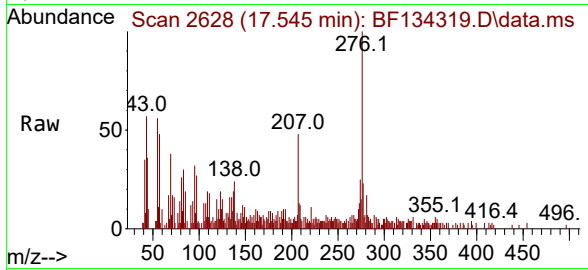
Tgt Ion:252 Resp: 28833
 Ion Ratio Lower Upper
 252 100
 253 28.1 17.4 26.0#
 125 11.6 8.4 12.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.547 ng
 RT: 17.545 min Scan# 20
 Delta R.T. -0.023 min
 Lab File: BF134319.D
 Acq: 17 Jul 2023 17:00

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210



Tgt Ion: 276 Resp: 1889

Ion	Ratio	Lower	Upper
276	100		
277	22.5	19.0	28.6
138	24.3	16.2	24.2

Manual Integrations
 APPROVED

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

