

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
 Data File : BF134255.D
 Acq On : 12 Jul 2023 19:47
 Operator : CG\JU
 Sample : 03555-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-203

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/13/2023
 Supervised By :mohammad ahmed 07/13/2023

Quant Time: Jul 12 23:23:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	99122	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	383636	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	174476	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	268576	20.000	ng	0.00
76) Chrysene-d12	14.039	240	184216	20.000	ng	0.00
86) Perylene-d12	15.545	264	162804	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	323982	54.675	ng	0.00
7) Phenol-d6	6.481	99	401653	55.116	ng	0.00
23) Nitrobenzene-d5	7.404	82	266345	37.425	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	101505	46.401	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	531803	44.315	ng	0.00
79) Terphenyl-d14	12.974	244	422191	36.885	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.145	128	48899	2.639	ng	99
71) Phenanthrene	11.398	178	111172	8.222	ng	98
72) Anthracene	11.451	178	59922	4.261	ng	99
75) Fluoranthene	12.598	202	325104	22.242	ng	100
78) Pyrene	12.833	202	368636	21.503	ng	99
81) Benzo(a)anthracene	14.027	228	176432	13.810	ng	96
83) Chrysene	14.063	228	184006	14.870	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	82158	7.273	ng	# 94
88) Benzo(b)fluoranthene	15.104	252	294115m	30.723	ng	
89) Benzo(k)fluoranthene	15.127	252	82529m	8.467	ng	
90) Benzo(a)pyrene	15.480	252	143788	15.533	ng	96
91) Dibenzo(a,h)anthracene	17.092	278	23220	2.516	ng	# 82
92) Benzo(g,h,i)perylene	17.562	276	76865	8.078	ng	98

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

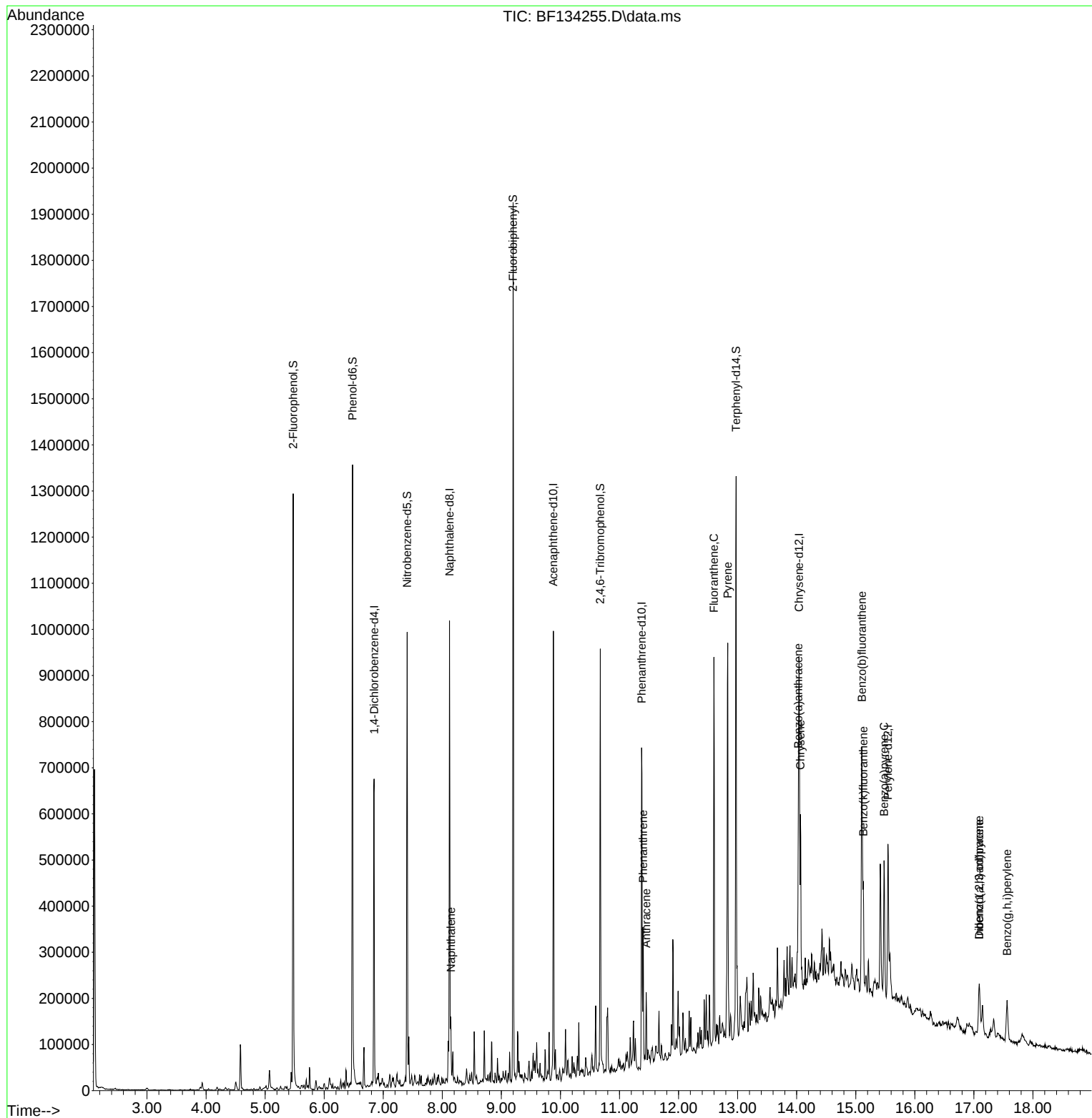
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134255.D
Acq On : 12 Jul 2023 19:47
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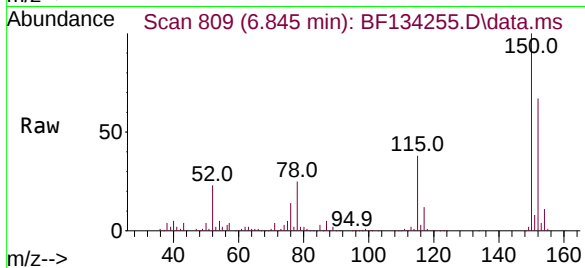
Quant Time: Jul 12 23:23:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 11 13:06:48 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

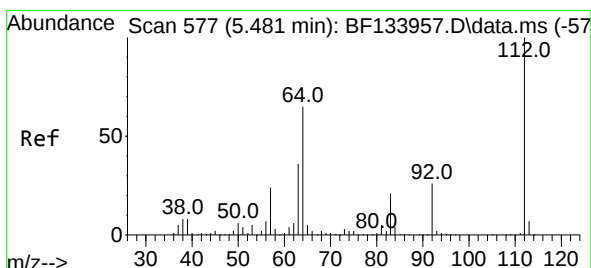
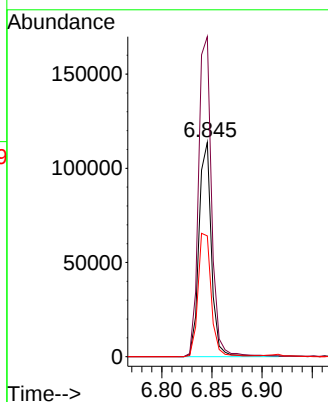
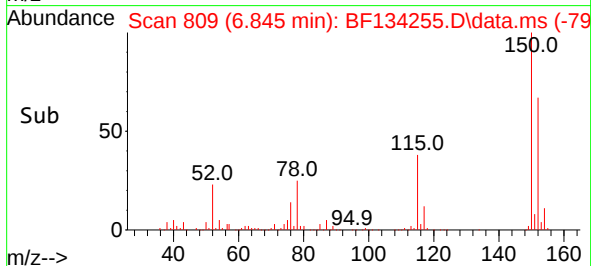
Instrument :
BNA_F
ClientSampleId :
VNJ-203



Tgt Ion:152 Resp: 9912
Ion Ratio Lower Upper
152 100
150 149.3 124.5 186.7
115 56.4 50.2 75.2

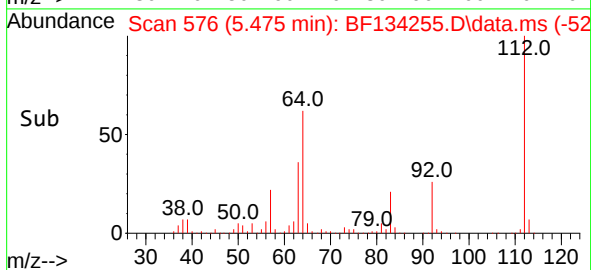
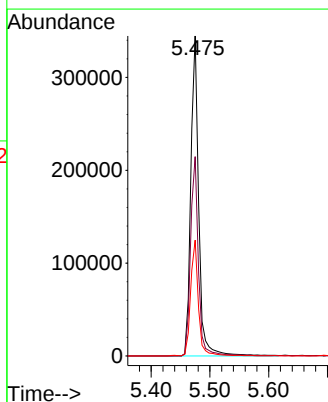
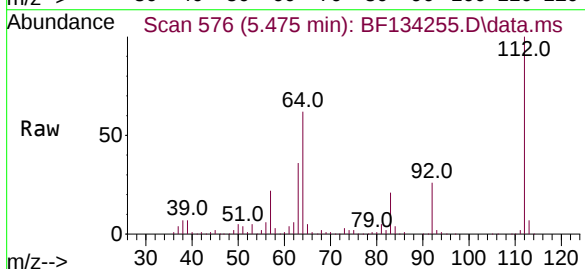
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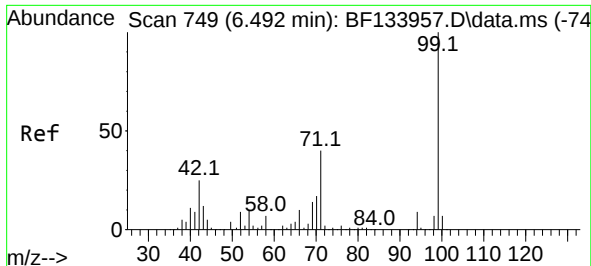
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#5
2-Fluorophenol
Concen: 54.675 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

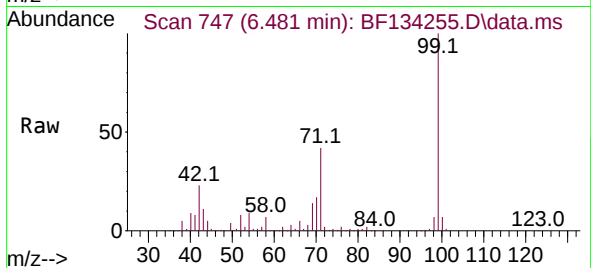
Tgt Ion:112 Resp: 323982
Ion Ratio Lower Upper
112 100
64 62.3 52.1 78.1
63 36.2 28.6 42.8





#7
Phenol-d6
Concen: 55.116 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

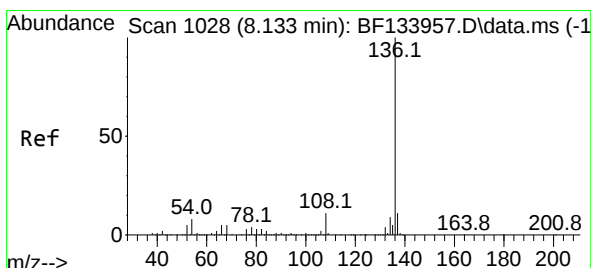
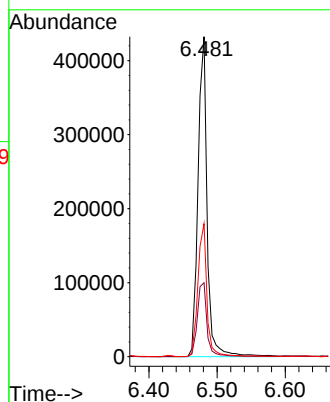
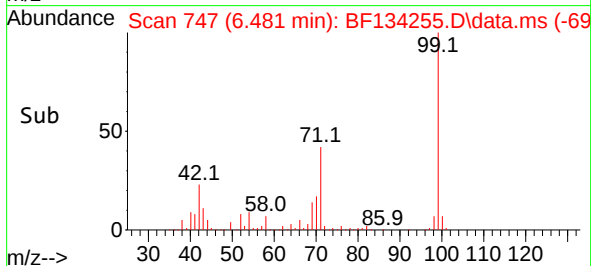
Instrument :
BNA_F
ClientSampleId :
VNJ-203



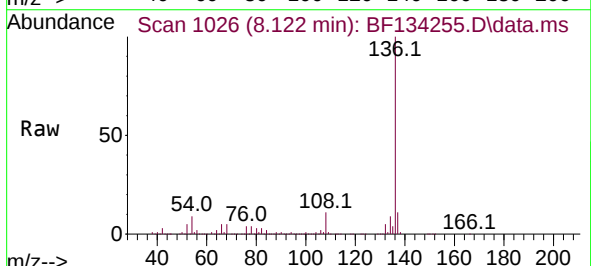
Tgt Ion: 99 Resp: 40165
Ion Ratio Lower Upper
99 100
42 23.1 19.8 29.6
71 41.5 31.9 47.9

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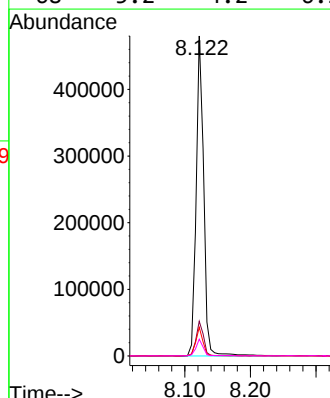
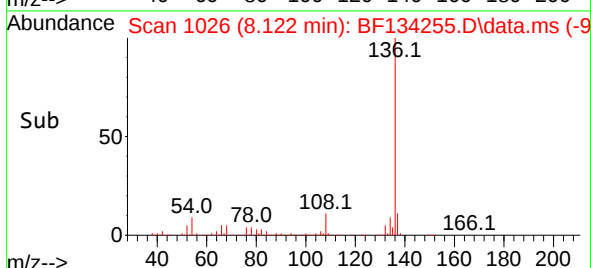
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023

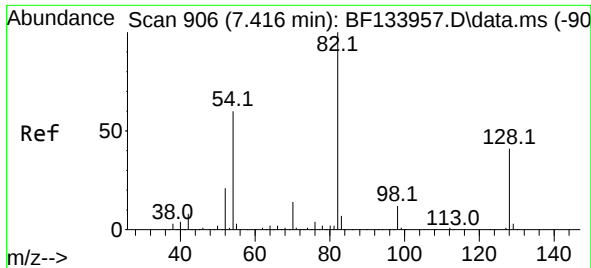


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47



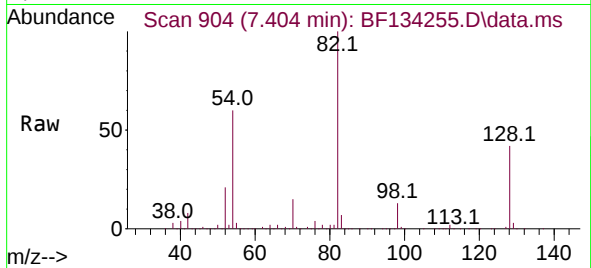
Tgt Ion:136 Resp: 383636
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 8.9 6.5 9.7
68 5.2 4.2 6.2





#23
Nitrobenzene-d5
Concen: 37.425 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

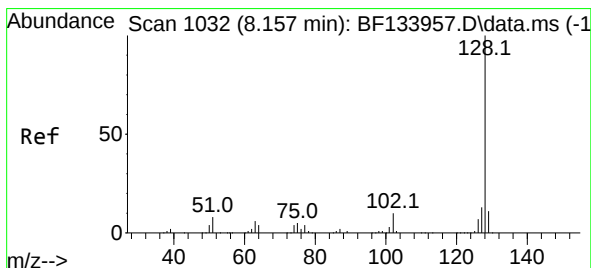
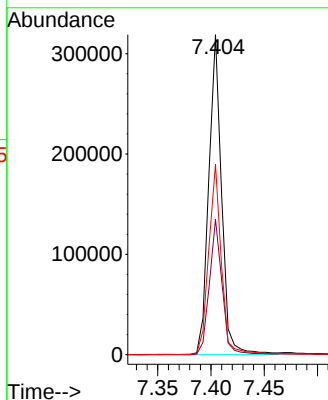
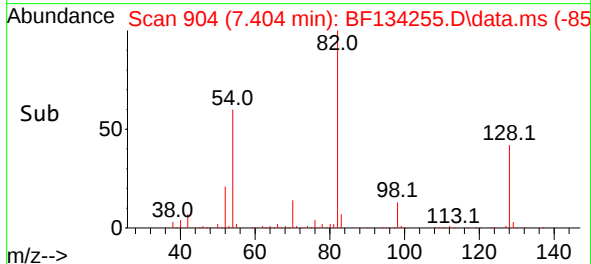
Instrument :
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ClientSampleId :
VNJ-203



Tgt Ion: 82 Resp: 266349
Ion Ratio Lower Upper
82 100
128 42.4 32.5 48.7
54 59.5 48.2 72.2

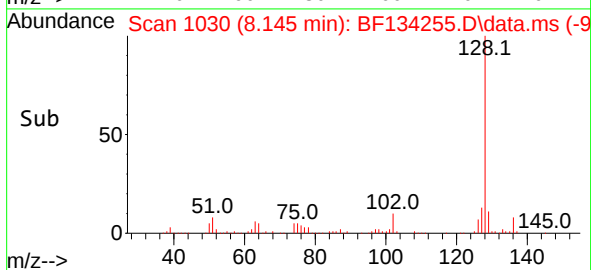
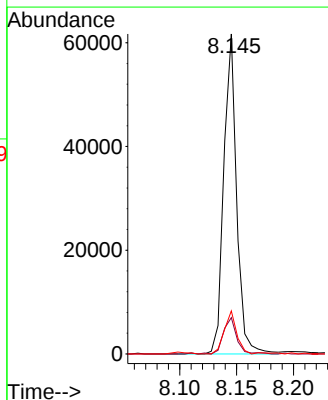
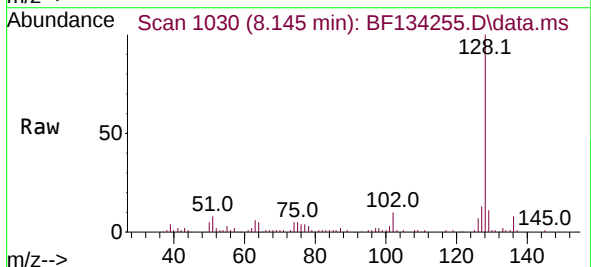
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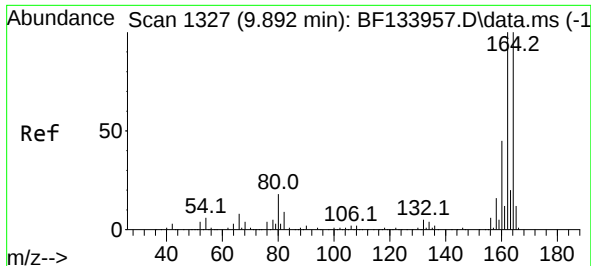
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#31
Naphthalene
Concen: 2.639 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

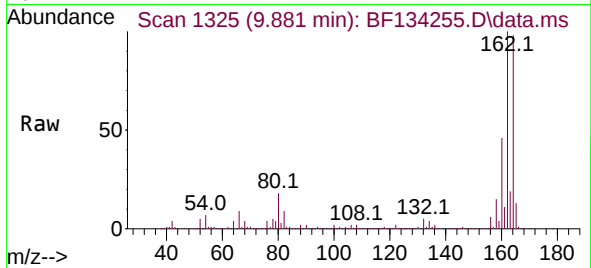
Tgt Ion:128 Resp: 48899
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.4 10.6 15.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

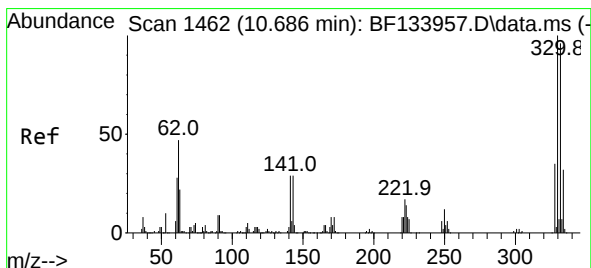
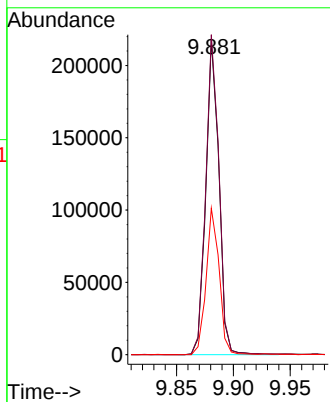
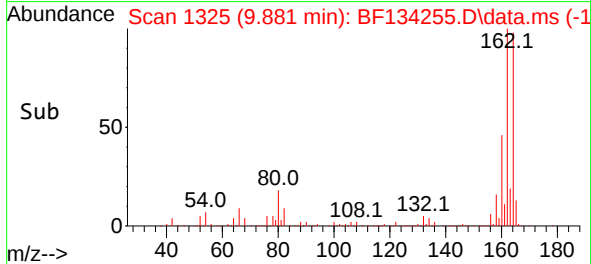
Instrument :
BNA_F
ClientSampleId :
VNJ-203



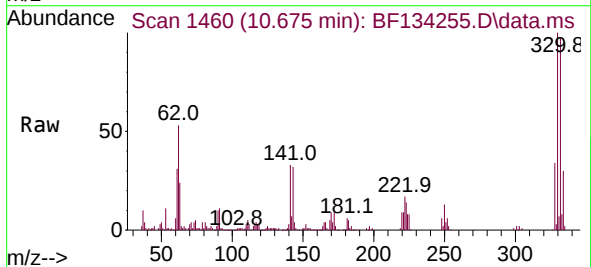
Tgt Ion:164 Resp: 174470
Ion Ratio Lower Upper
164 100
162 101.7 80.0 120.0
160 46.5 35.9 53.9

Manual Integrations
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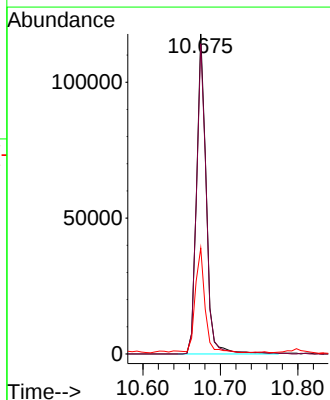
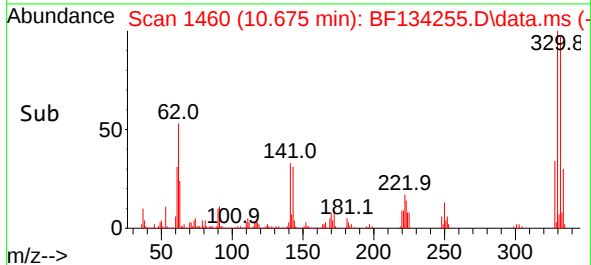
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023

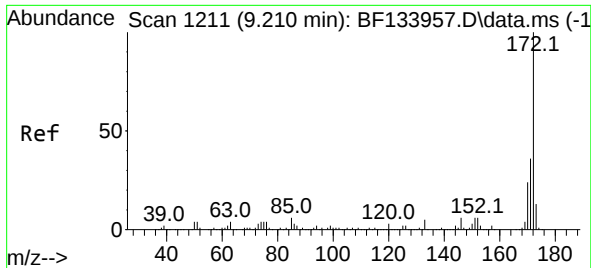


#42
2,4,6-Tribromophenol
Concen: 46.401 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47



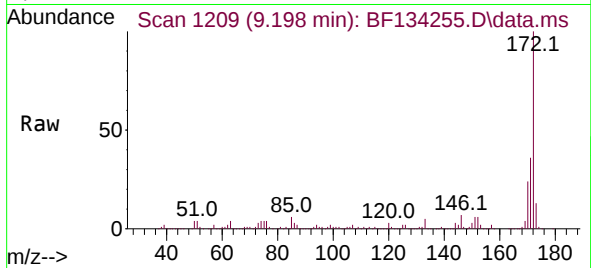
Tgt Ion:330 Resp: 101505
Ion Ratio Lower Upper
330 100
332 98.1 77.0 115.6
141 33.4 26.3 39.5





#45
2-Fluorobiphenyl
Concen: 44.315 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

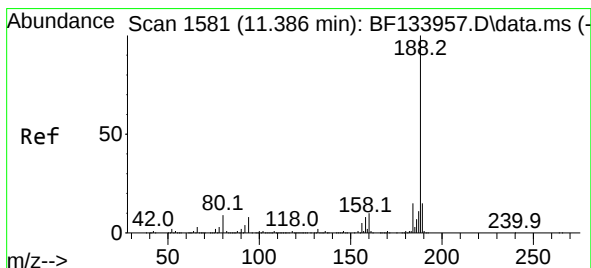
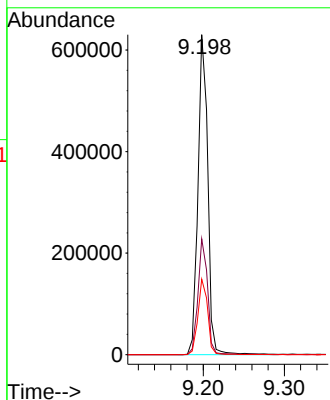
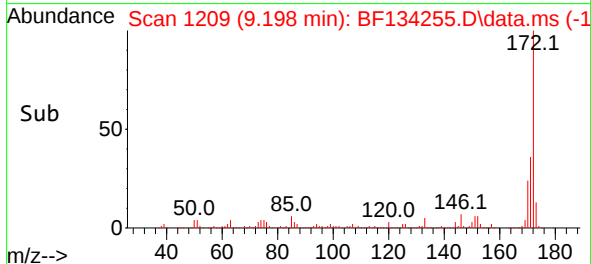
Instrument :
BNA_F
ClientSampleId :
VNJ-203



Tgt Ion:172 Resp: 53180
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 23.6 19.4 29.0

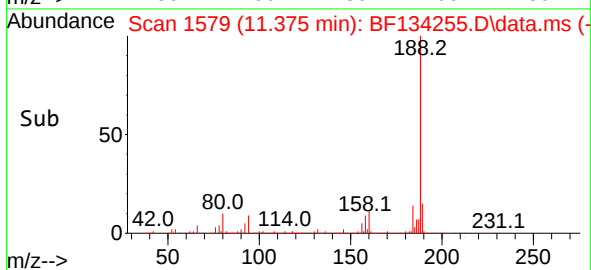
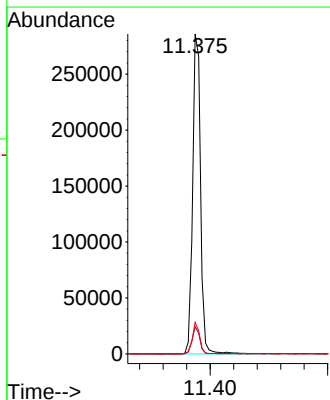
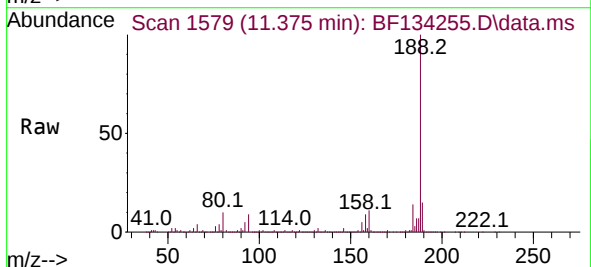
Manual Integrations
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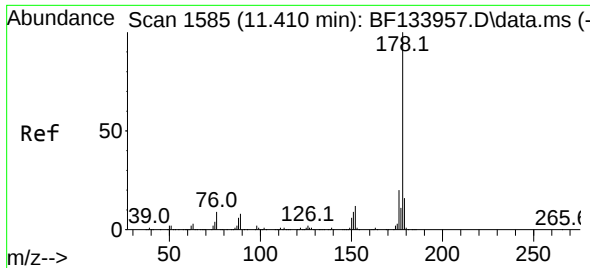
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

Tgt Ion:188 Resp: 268576
Ion Ratio Lower Upper
188 100
94 8.5 6.4 9.6
80 9.9 7.3 10.9





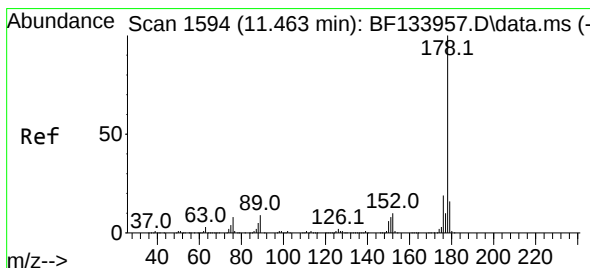
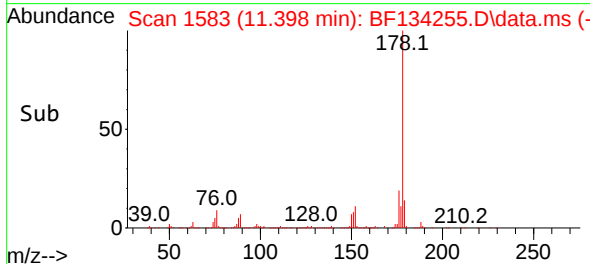
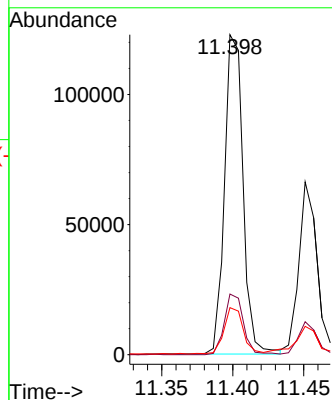
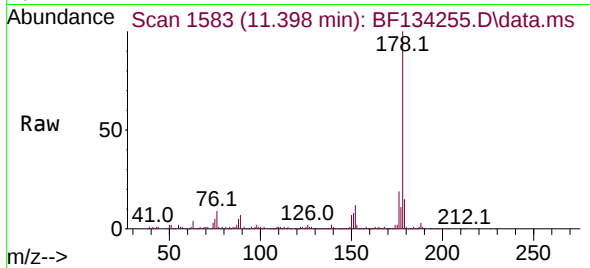
#71
Phenanthrene
Concen: 8.222 ng
RT: 11.398 min Scan# 11117
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

Instrument :
BNA_F
ClientSampleId :
VNJ-203

Tgt Ion:178 Resp: 11117
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 14.7 12.4 18.6

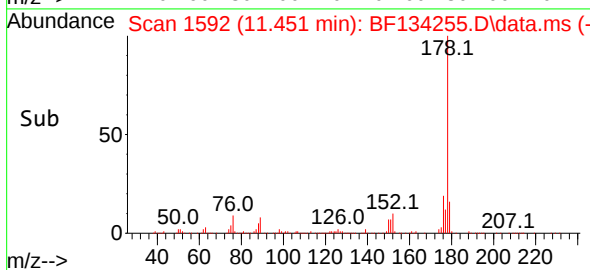
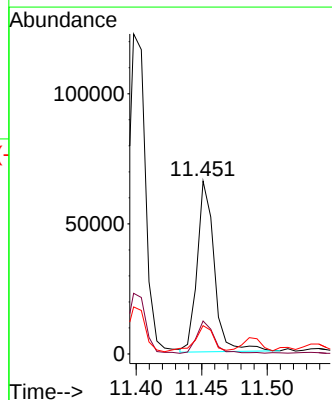
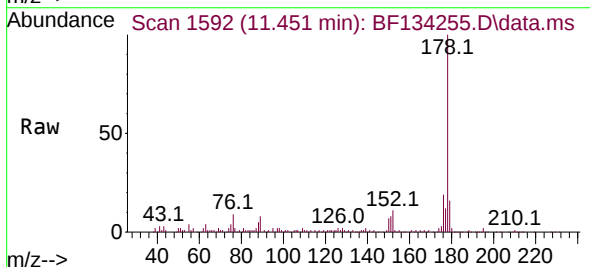
Manual Integrations
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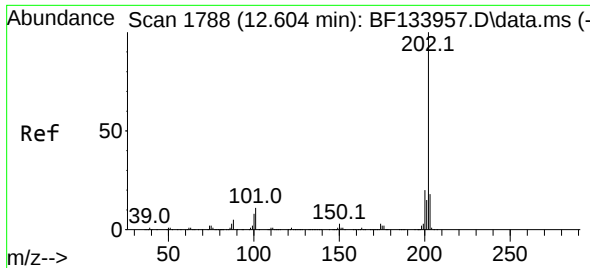
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#72
Anthracene
Concen: 4.261 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

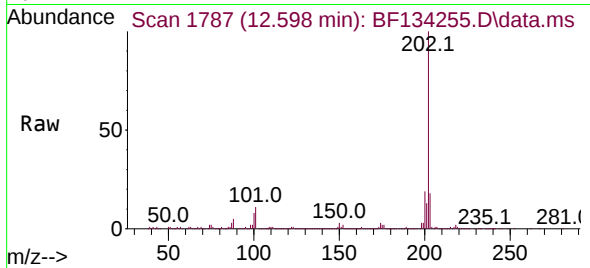
Tgt Ion:178 Resp: 59922
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 16.4 12.4 18.6





#75
Fluoranthene
Concen: 22.242 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

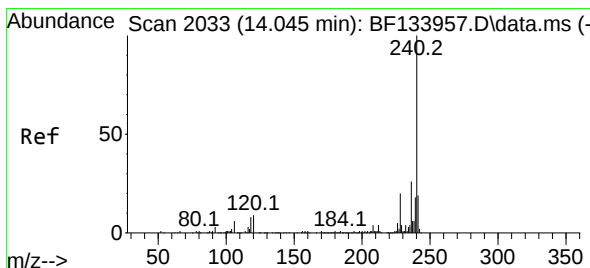
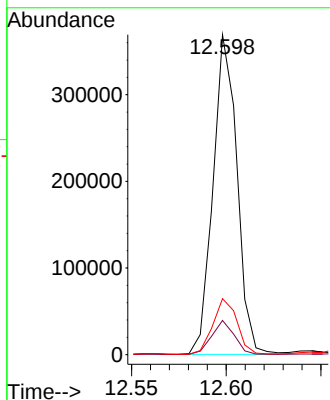
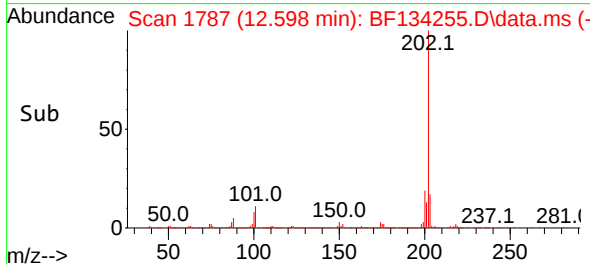
Instrument :
BNA_F
ClientSampleId :
VNJ-203



Tgt Ion:202 Resp: 325104
Ion Ratio Lower Upper
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101 10.7 0.0 31.0
203 17.5 0.0 37.6

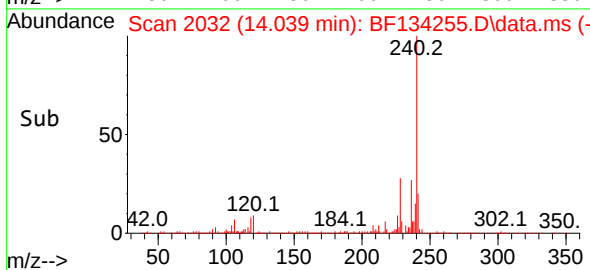
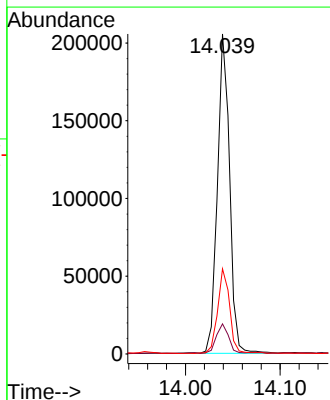
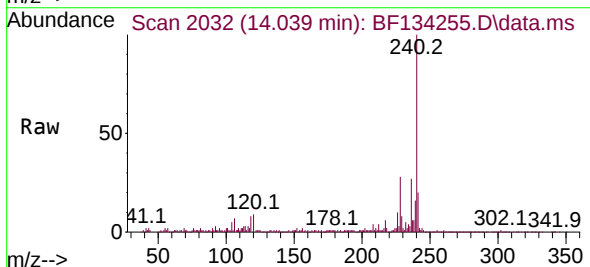
Manual Integrations
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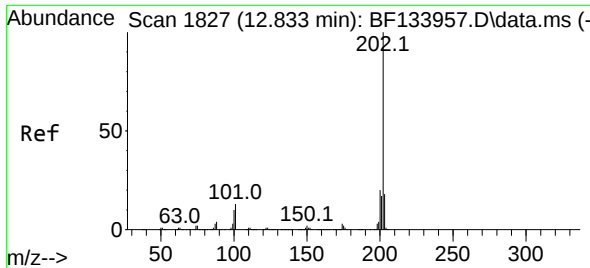
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

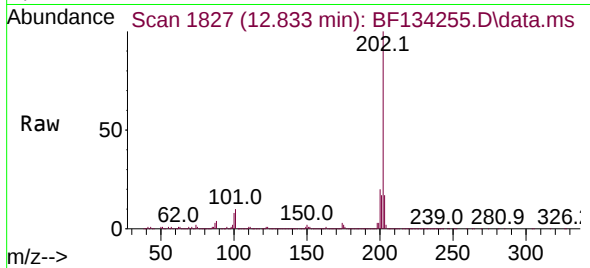
Tgt Ion:240 Resp: 184216
Ion Ratio Lower Upper
240 100
120 9.4 7.4 11.0
236 26.6 21.0 31.6





#78
Pyrene
Concen: 21.503 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

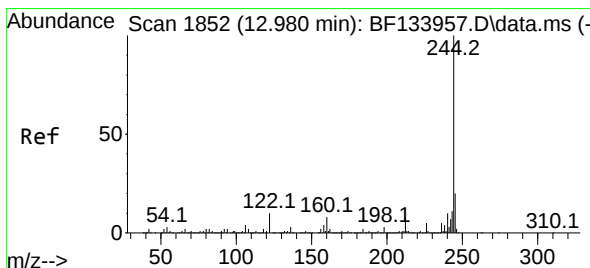
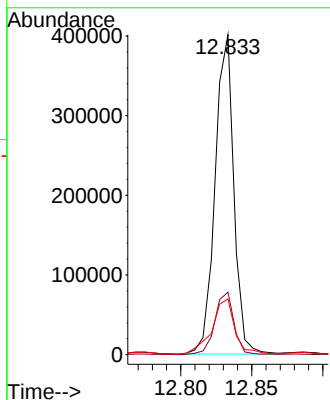
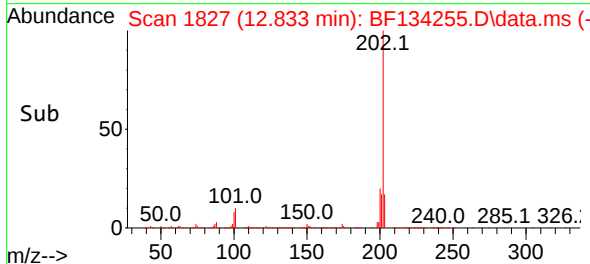
Instrument :
BNA_F
ClientSampleId :
VNJ-203



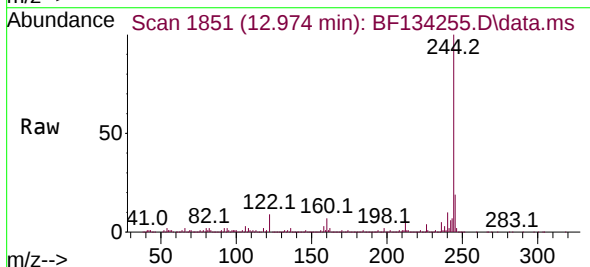
Tgt Ion:202 Resp: 368630
Ion Ratio Lower Upper
202 100
200 19.5 16.1 24.1
203 17.4 14.3 21.5

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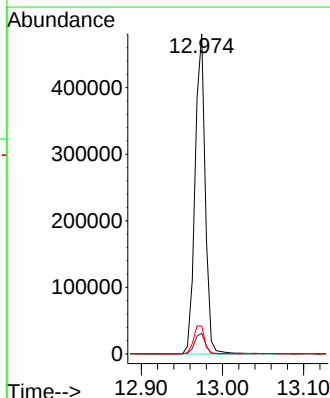
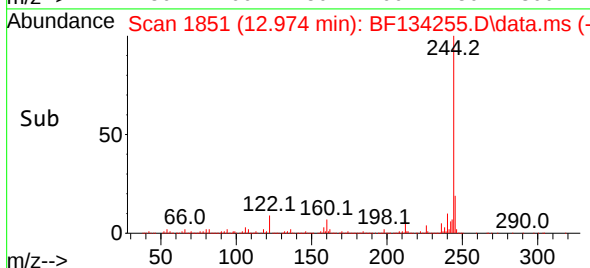
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023

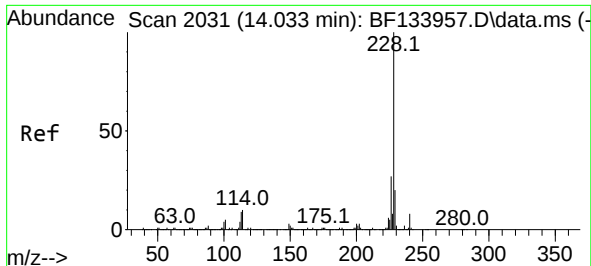


#79
Terphenyl-d14
Concen: 36.885 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.000 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47



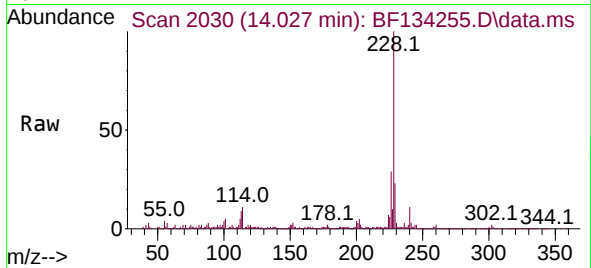
Tgt Ion:244 Resp: 422191
Ion Ratio Lower Upper
244 100
212 6.4 6.0 9.0
122 8.7 8.3 12.5





#81
Benzo(a)anthracene
Concen: 13.810 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

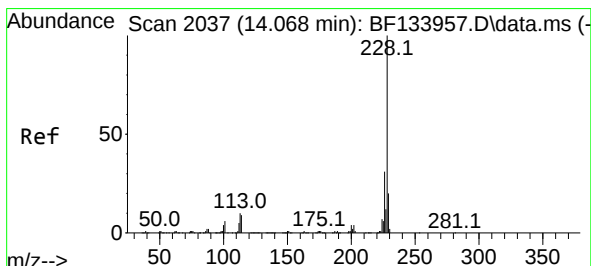
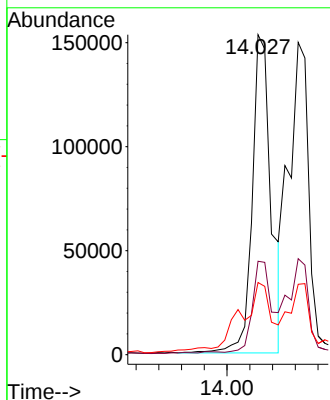
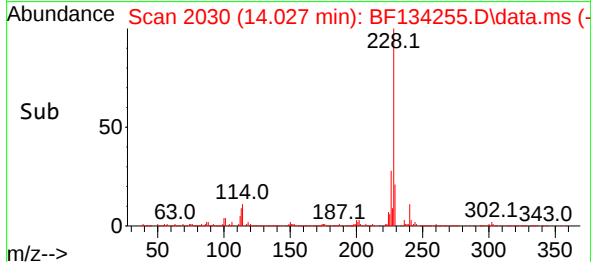
Instrument :
BNA_F
ClientSampleId :
VNJ-203



Tgt Ion:228 Resp: 17643
Ion Ratio Lower Upper
228 100
226 29.2 22.0 33.0
229 22.6 16.3 24.5

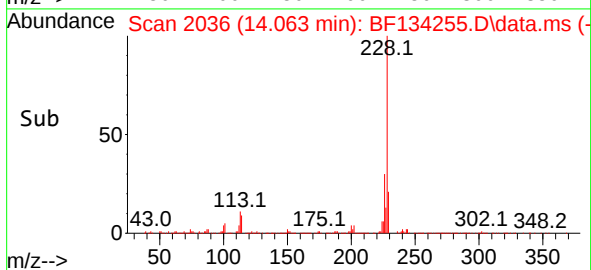
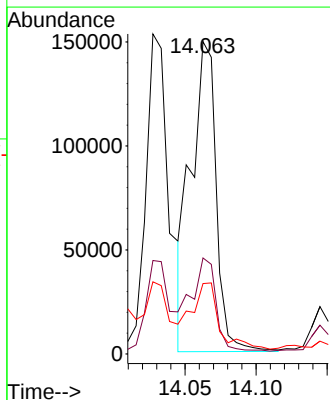
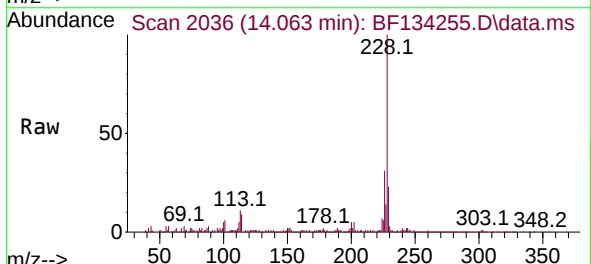
Manual Integrations
APPROVED

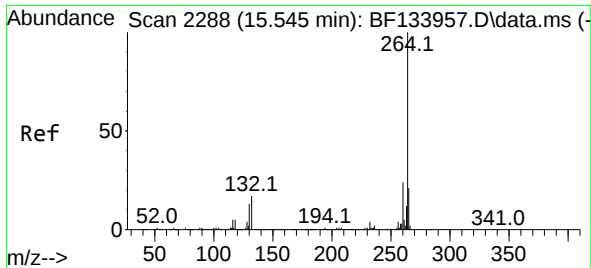
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#83
Chrysene
Concen: 14.870 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

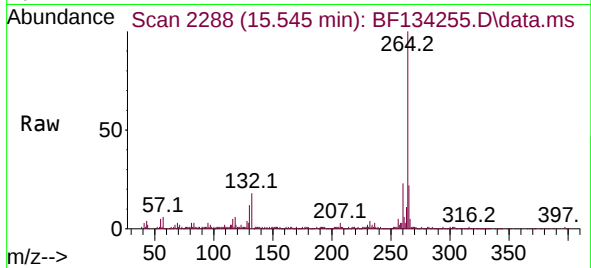
Tgt Ion:228 Resp: 184006
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.5 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

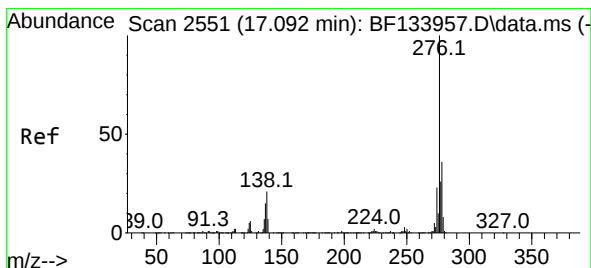
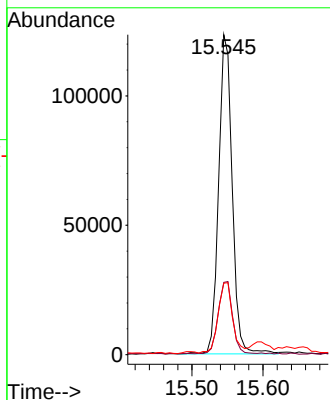
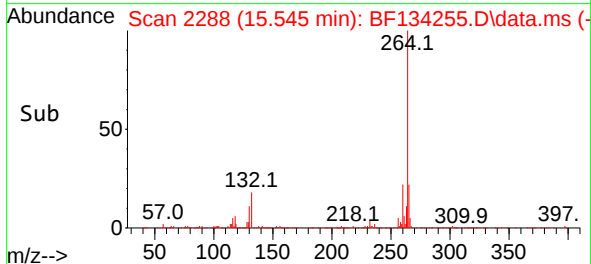
Instrument :
BNA_F
ClientSampleId :
VNJ-203



Tgt Ion:264 Resp: 162804
Ion Ratio Lower Upper
264 100
260 22.6 19.5 29.3
265 22.4 16.6 25.0

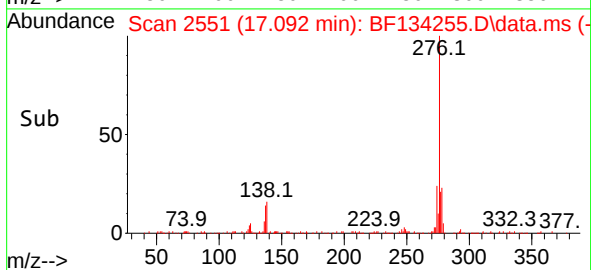
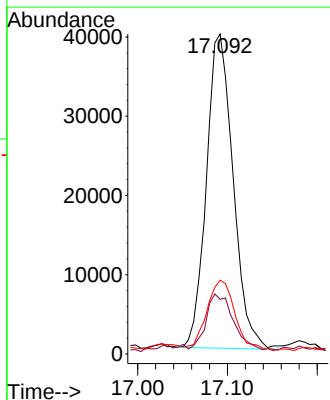
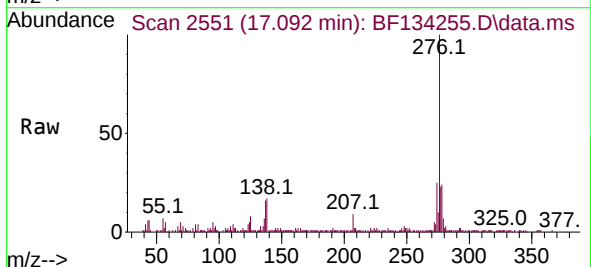
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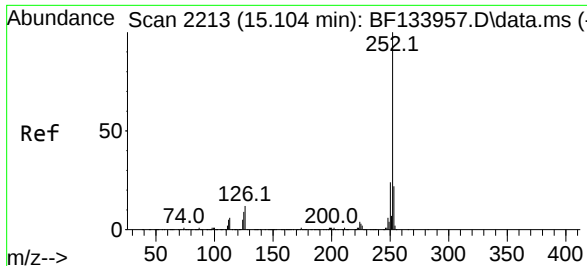
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.273 ng
RT: 17.092 min Scan# 2551
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

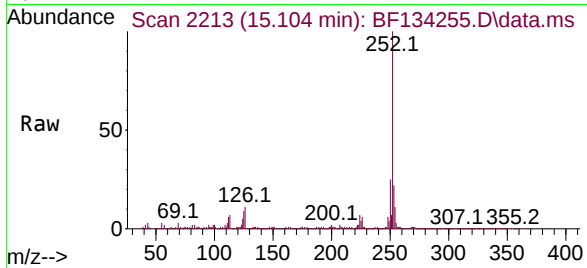
Tgt Ion:276 Resp: 82158
Ion Ratio Lower Upper
276 100
138 18.7 18.7 28.1#
277 23.7 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 30.723 ng m
RT: 15.104 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

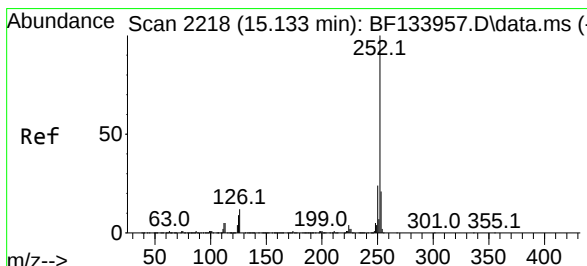
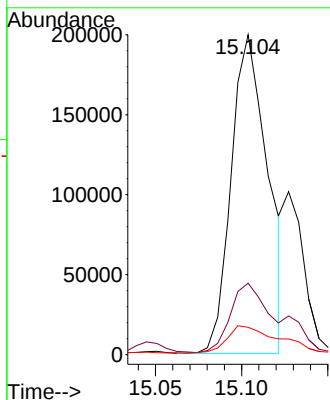
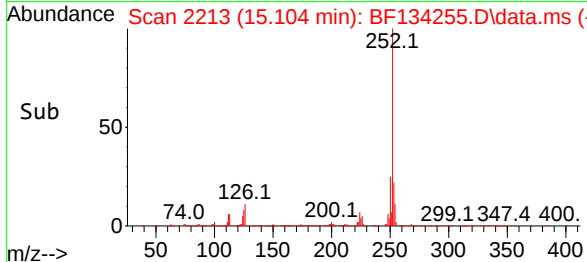
Instrument :
BNA_F
ClientSampleId :
VNJ-203



Tgt Ion:252 Resp: 294115
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 8.5 7.1 10.7

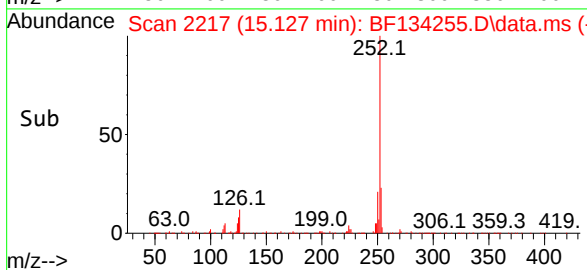
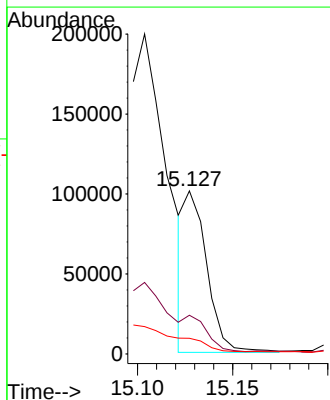
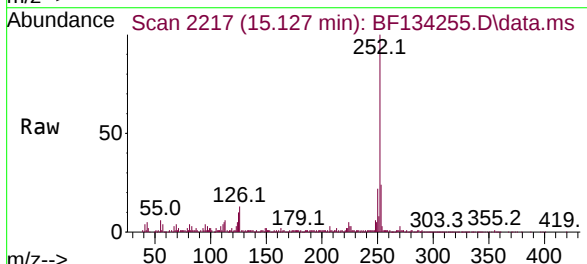
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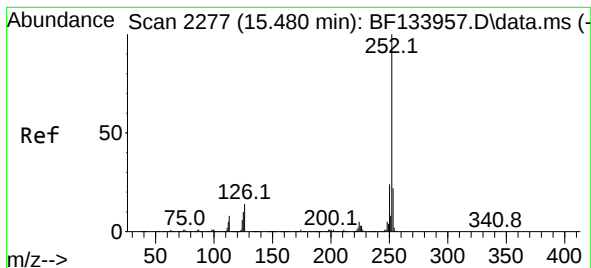
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#89
Benzo(k)fluoranthene
Concen: 8.467 ng m
RT: 15.127 min Scan# 2217
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

Tgt Ion:252 Resp: 82529
Ion Ratio Lower Upper
252 100
253 23.7 16.9 25.3
125 9.6 7.4 11.2





#90

Benzo(a)pyrene

Concen: 15.533 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134255.D

Acq: 12 Jul 2023 19:47

Instrument :

BNA_F

ClientSampleId :

VNJ-203

Tgt Ion:252 Resp: 14378

Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.0

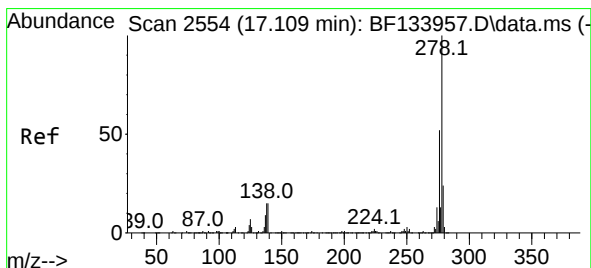
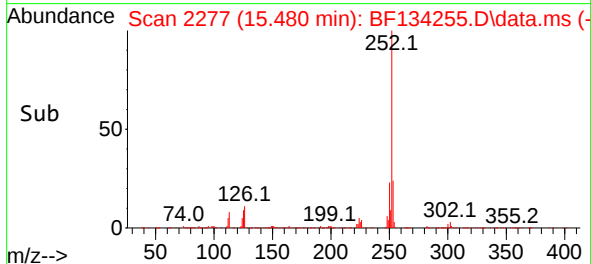
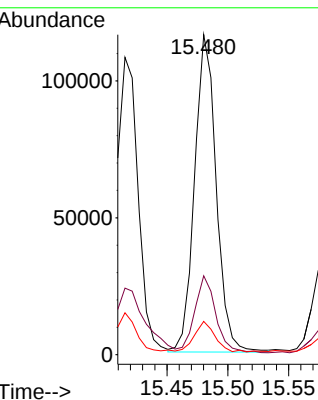
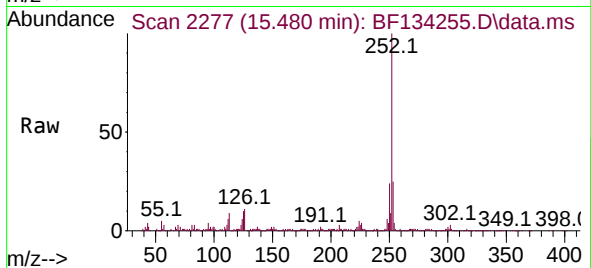
125 10.4 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2023

Supervised By :mohammad ahmed 07/13/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.516 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.023 min

Lab File: BF134255.D

Acq: 12 Jul 2023 19:47

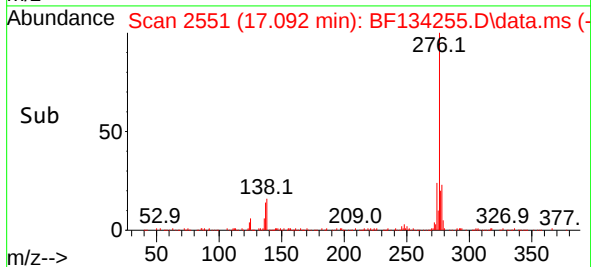
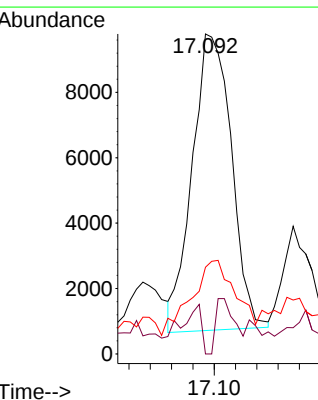
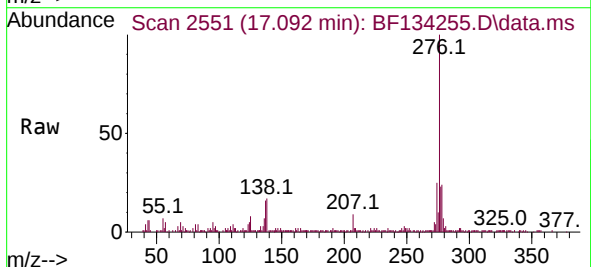
Tgt Ion:278 Resp: 23220

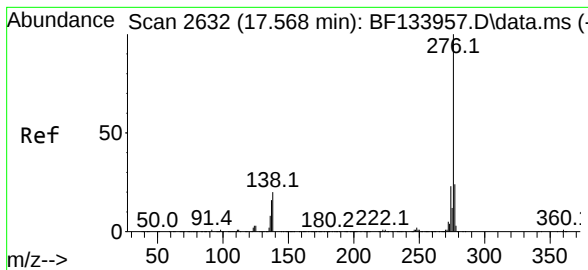
Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4

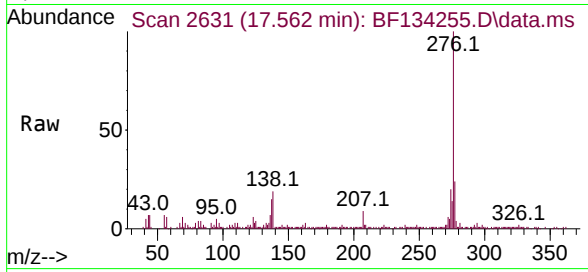
279 27.1 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 8.078 ng
 RT: 17.562 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF134255.D
 Acq: 12 Jul 2023 19:47

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-203



Tgt Ion: 276 Resp: 7686

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	18.7	16.2	24.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/13/2023
 Supervised By :mohammad ahmed 07/13/2023

