

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
 Data File : BF135745.D
 Acq On : 12 Oct 2023 20:36
 Operator : CG\JU
 Sample : 04812-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223

Quant Time: Oct 13 00:58:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/13/2023
 Supervised By :mohammad ahmed 10/13/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	73705	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	256027	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	107643	20.000	ng	0.00
64) Phenanthrene-d10	11.275	188	163738	20.000	ng	0.00
76) Chrysene-d12	13.951	240	105130	20.000	ng	0.01
86) Perylene-d12	15.427	264	90426	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	75120	16.577	ng	0.01
7) Phenol-d6	6.398	99	113321	19.666	ng	0.00
23) Nitrobenzene-d5	7.304	82	66045	14.015	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	17363	16.231	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	127118	17.817	ng	0.00
79) Terphenyl-d14	12.869	244	119057	17.556	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.810	154	164117	27.851	ng	97
55) Dibenzofuran	9.981	168	132397	14.724	ng	96
58) Fluorene	10.328	166	209779	30.347	ng	99
71) Phenanthrene	11.304	178	716010	92.459	ng	99
72) Anthracene	11.351	178	469530	58.985	ng	99
73) Carbazole	11.516	167	89975	12.417	ng	98
75) Fluoranthene	12.516	202	2693935	333.851	ng	98
78) Pyrene	12.745	202	2199771	219.775	ng	98
81) Benzo(a)anthracene	13.939	228	1169193	172.231	ng	98
83) Chrysene	13.980	228	975239	144.494	ng	97
84) Bis(2-ethylhexyl)phtha...	13.910	149	52162	14.424	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	682149	115.054	ng	94
88) Benzo(b)fluoranthene	15.004	252	1513524m	309.192	ng	
89) Benzo(k)fluoranthene	15.027	252	352317m	72.861	ng	
90) Benzo(a)pyrene	15.374	252	959122	205.462	ng	98
91) Dibenzo(a,h)anthracene	16.933	278	153766m	31.697	ng	
92) Benzo(g,h,i)perylene	17.398	276	726379	143.372	ng	97

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

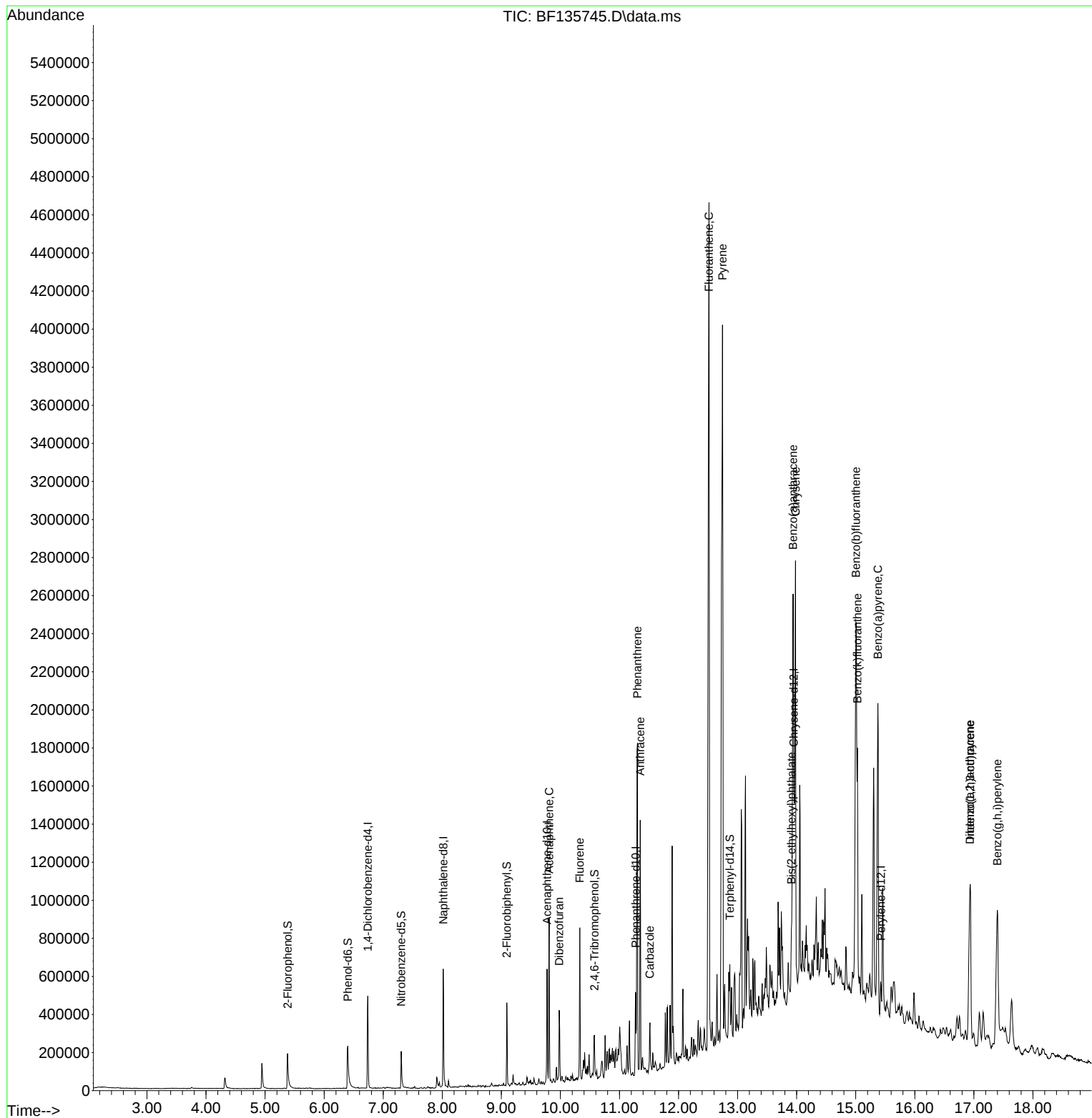
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
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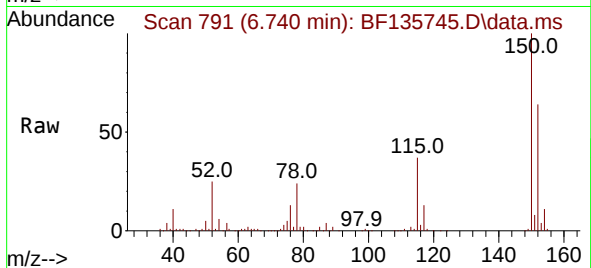
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

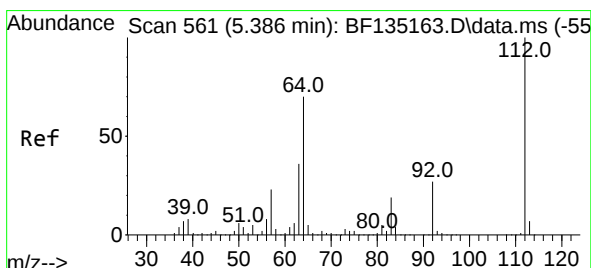
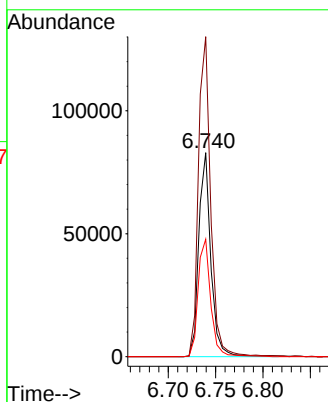
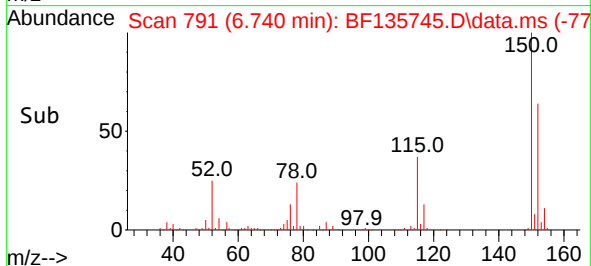
Instrument :
BNA_F
ClientSampleId :
VNJ-223



Tgt Ion:152 Resp: 7370
Ion Ratio Lower Upper
152 100
150 156.9 127.8 191.6
115 57.6 49.8 74.8

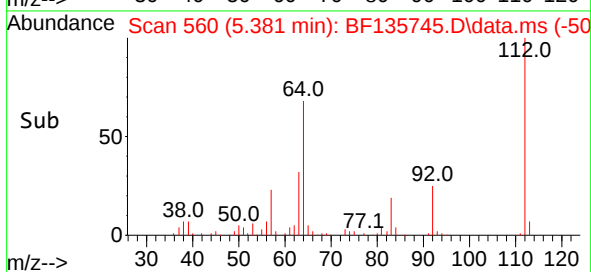
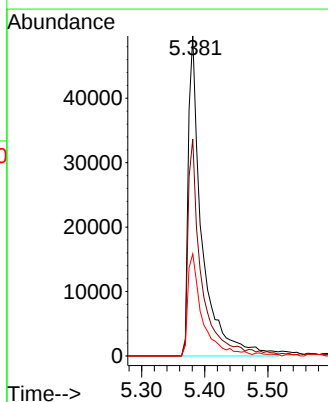
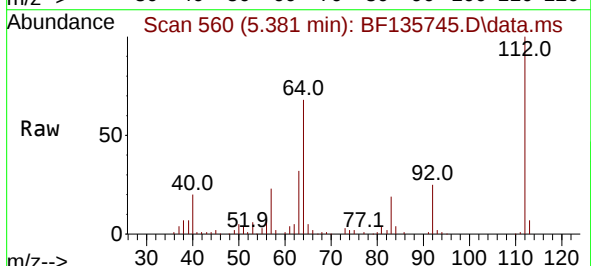
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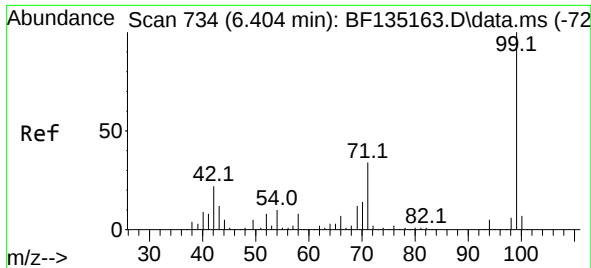
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#5
2-Fluorophenol
Concen: 16.577 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

Tgt Ion:112 Resp: 75120
Ion Ratio Lower Upper
112 100
64 67.8 55.9 83.9
63 31.9 29.0 43.6





#7

Phenol-d6

Concen: 19.666 ng

RT: 6.398 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Instrument :

BNA_F

ClientSampleId :

VNJ-223

Tgt Ion: 99 Resp: 11332

Ion Ratio Lower Upper

99 100

42 22.4 17.9 26.9

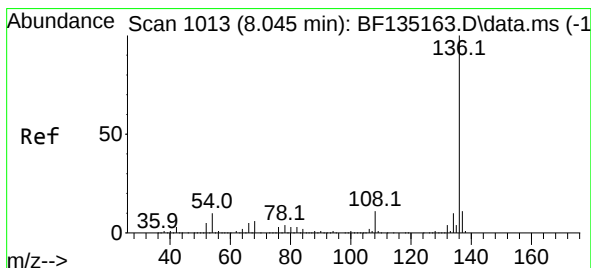
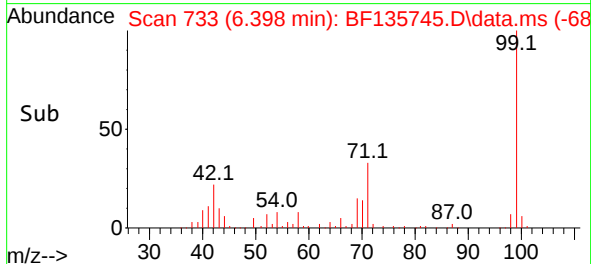
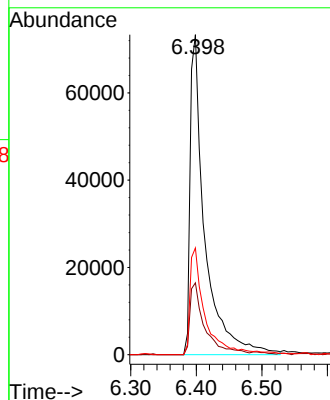
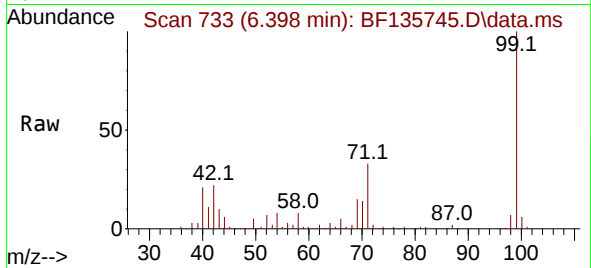
71 33.4 27.0 40.6

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Tgt Ion:136 Resp: 256027

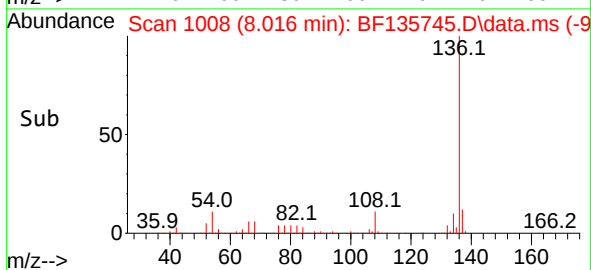
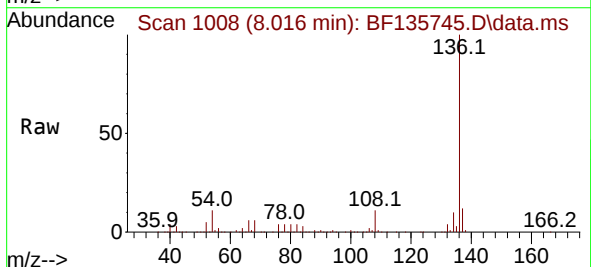
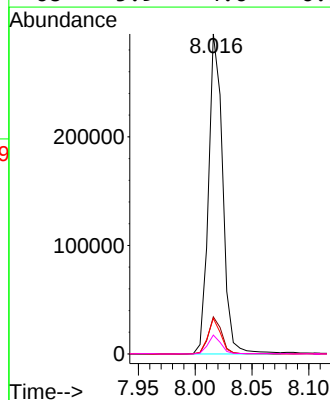
Ion Ratio Lower Upper

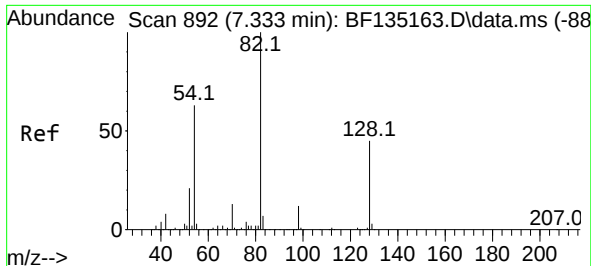
136 100

137 11.6 8.8 13.2

54 11.1 7.7 11.5

68 5.9 4.6 6.8





#23
Nitrobenzene-d5
Concen: 14.015 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

Instrument :

BNA_F

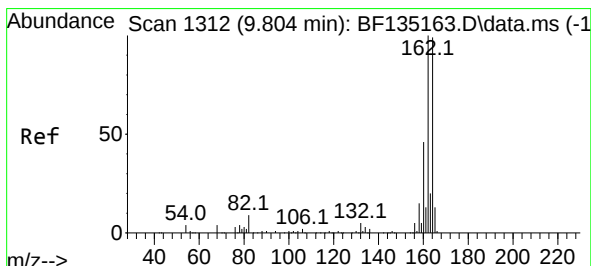
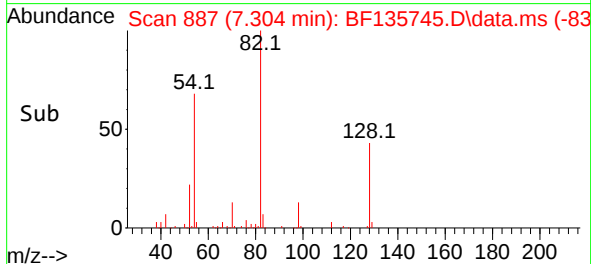
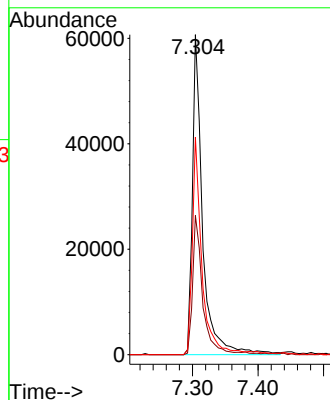
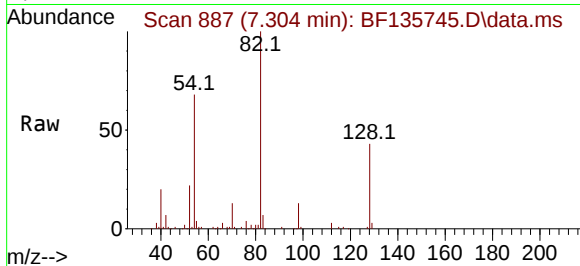
ClientSampleId :

VNJ-223

Tgt Ion: 82 Resp: 6604
Ion Ratio Lower Upper
82 100
128 43.5 35.8 53.6
54 68.0 50.6 76.0

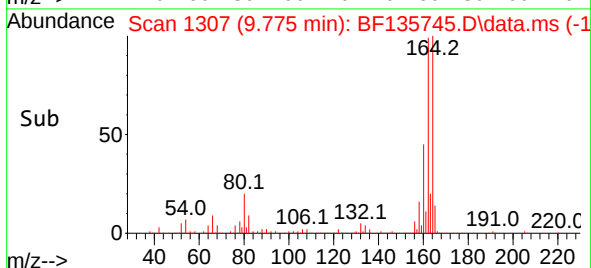
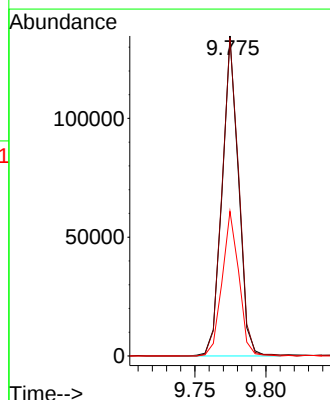
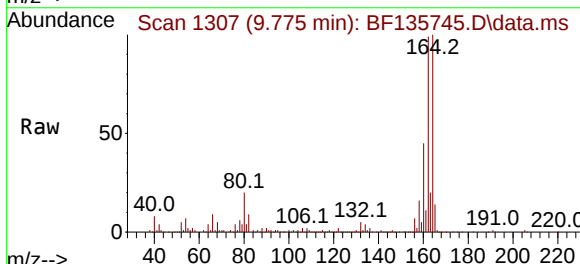
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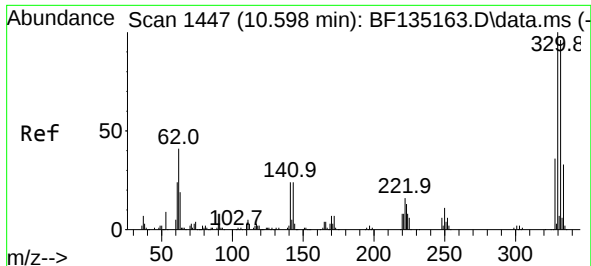
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

Tgt Ion:164 Resp: 107643
Ion Ratio Lower Upper
164 100
162 99.4 81.0 121.4
160 45.2 37.0 55.4





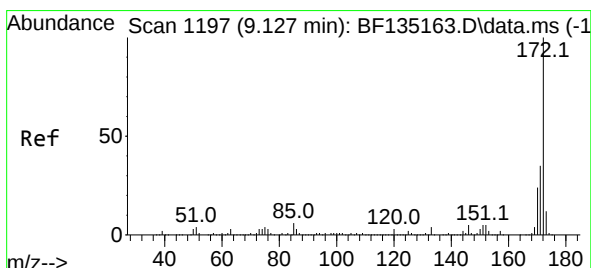
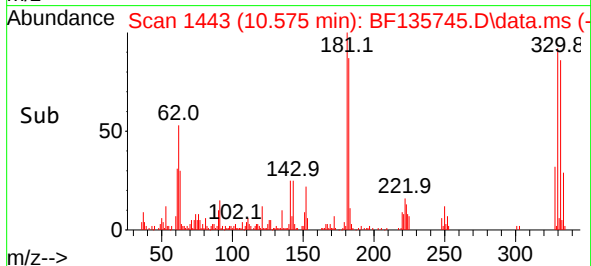
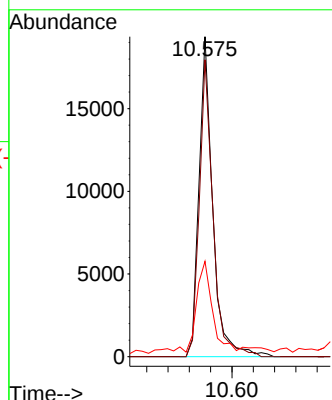
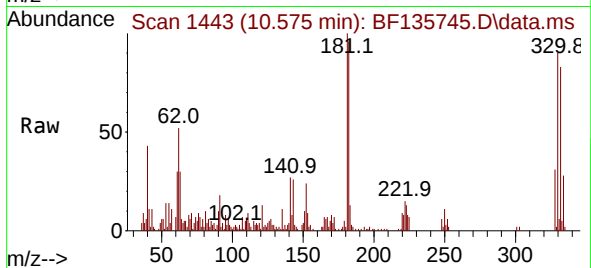
#42
2,4,6-Tribromophenol
Concen: 16.231 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

Instrument :
BNA_F
ClientSampleId :
VNJ-223

Tgt Ion: 330 Resp: 1736
Ion Ratio Lower Upper
330 100
332 92.4 77.3 115.9
141 34.5 25.8 38.8

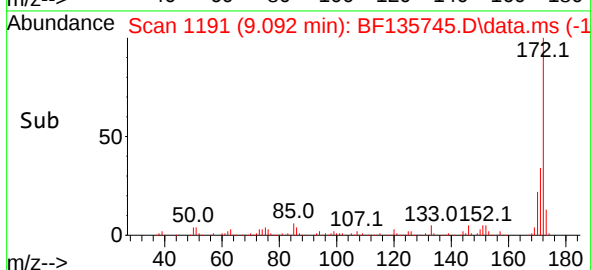
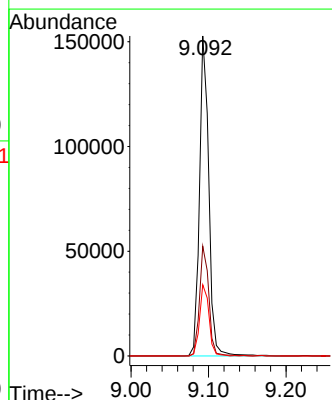
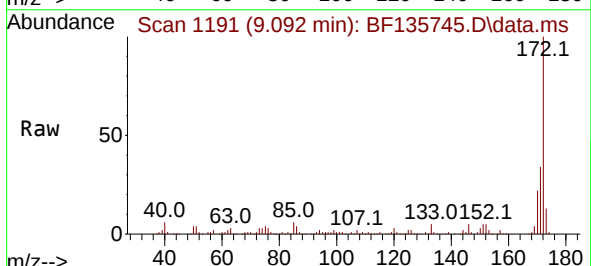
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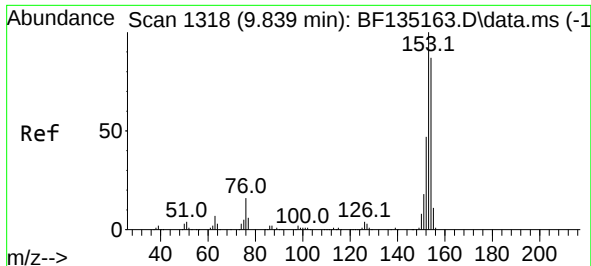
Reviewed By : Yogesh Patel 10/13/2023
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#45
2-Fluorobiphenyl
Concen: 17.817 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

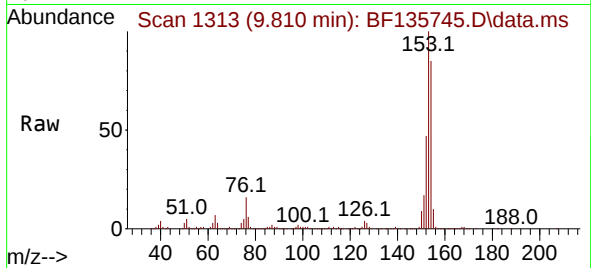
Tgt Ion: 172 Resp: 127118
Ion Ratio Lower Upper
172 100
171 34.3 28.4 42.6
170 22.3 19.0 28.4





#52
Acenaphthene
Concen: 27.851 ng
RT: 9.810 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

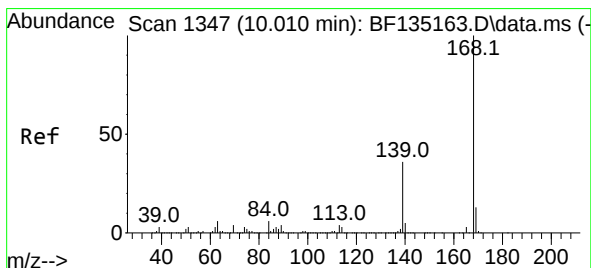
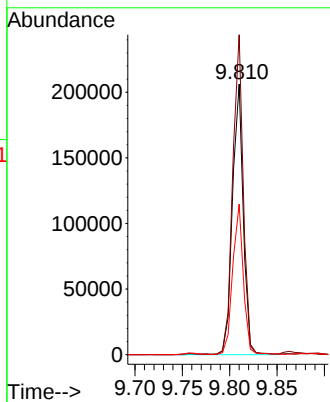
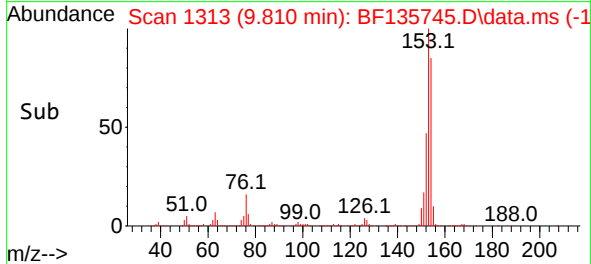
Instrument :
BNA_F
ClientSampleId :
VNJ-223



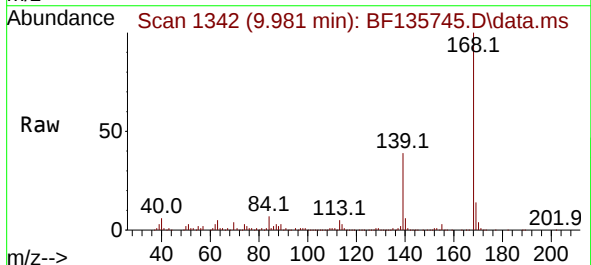
Tgt Ion:154 Resp: 16411
Ion Ratio Lower Upper
154 100
153 118.2 92.1 138.1
152 55.5 43.1 64.7

Manual Integrations
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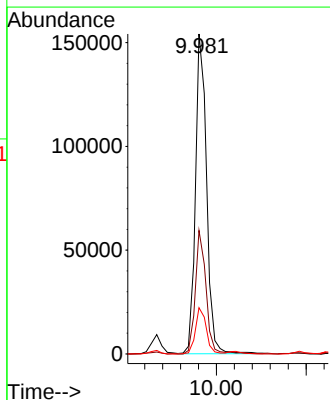
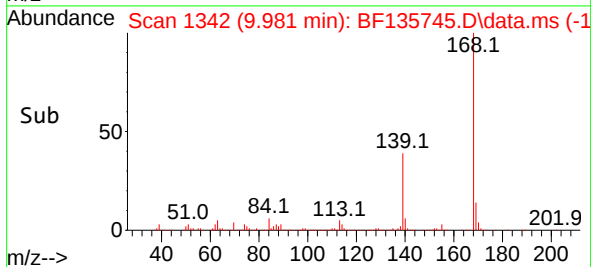
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

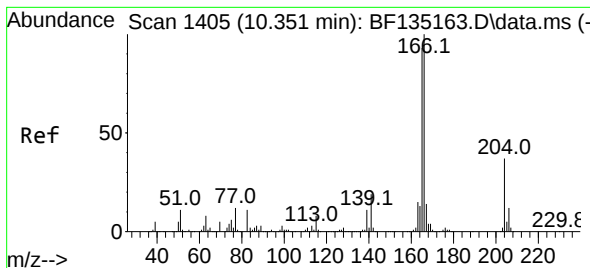


#55
Dibenzofuran
Concen: 14.724 ng
RT: 9.981 min Scan# 1342
Delta R.T. -0.006 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36



Tgt Ion:168 Resp: 132397
Ion Ratio Lower Upper
168 100
139 38.6 29.0 43.6
169 14.5 10.4 15.6





#58

Fluorene

Concen: 30.347 ng

RT: 10.328 min Scan# 1405

Delta R.T. -0.006 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Instrument :

BNA_F

ClientSampleId :

VNJ-223

Tgt Ion:166 Resp: 209779

Ion Ratio Lower Upper

166 100

165 91.9 74.3 111.5

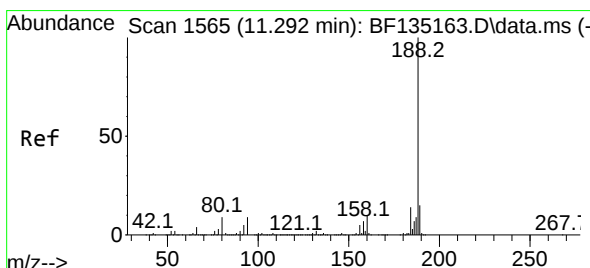
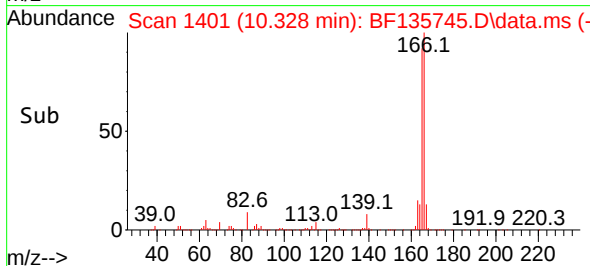
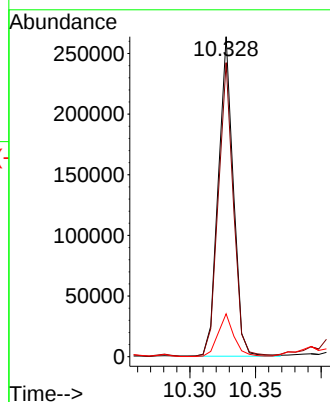
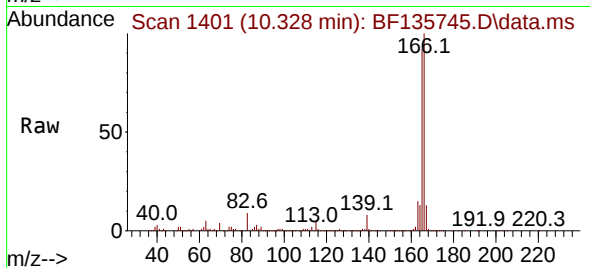
167 13.4 10.9 16.3

Manual Integrations

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Supervised By :mohammad ahmed 10/13/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.275 min Scan# 1562

Delta R.T. 0.000 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

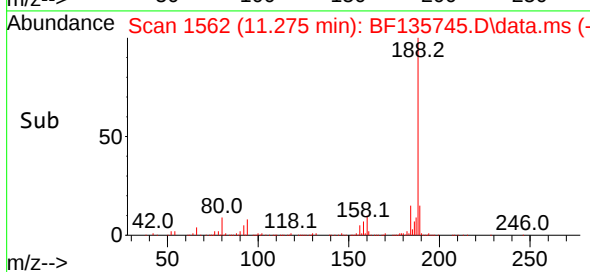
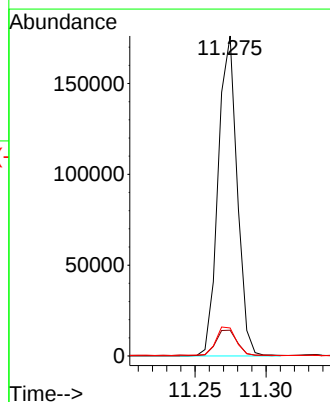
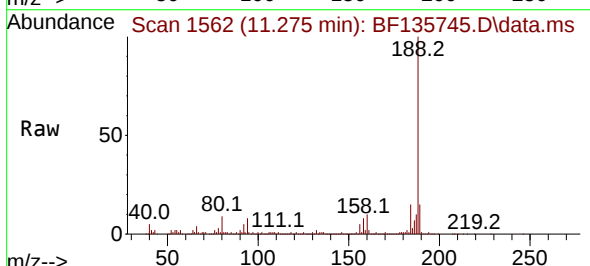
Tgt Ion:188 Resp: 163738

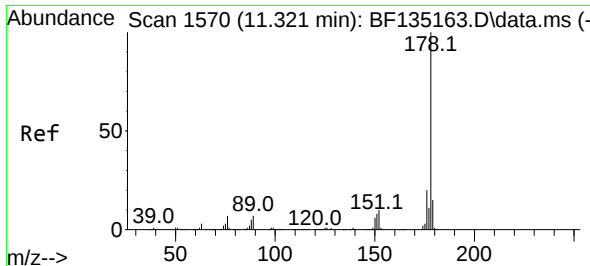
Ion Ratio Lower Upper

188 100

94 8.1 7.0 10.6

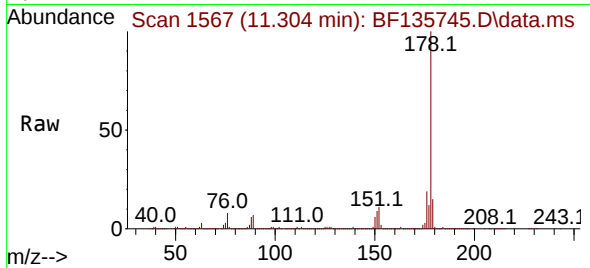
80 8.8 7.5 11.3





#71
Phenanthrene
Concen: 92.459 ng
RT: 11.304 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

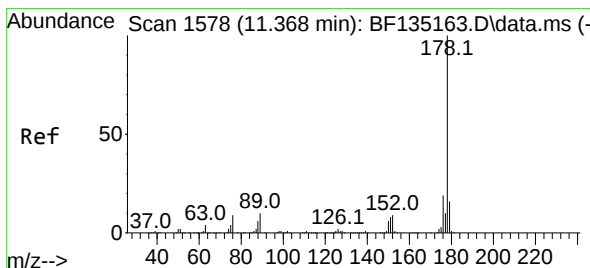
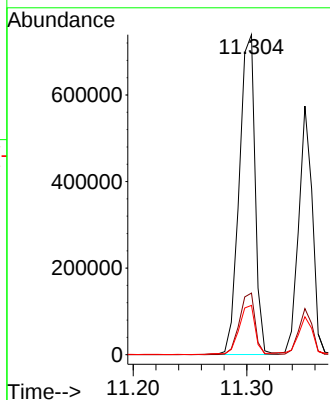
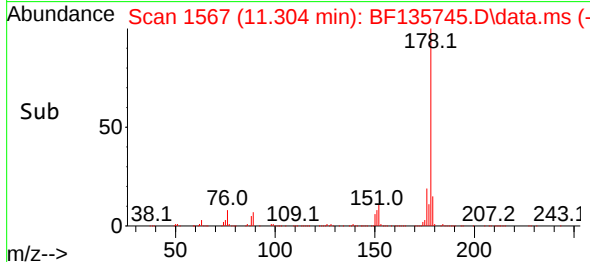
Instrument :
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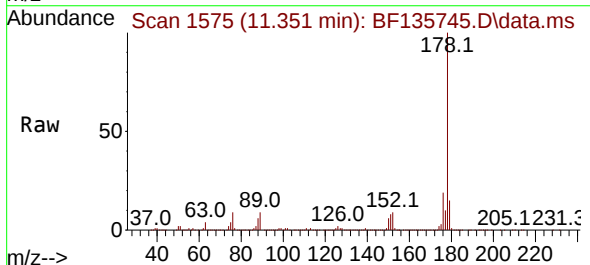
Tgt Ion:178 Resp: 716010
Ion Ratio Lower Upper
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176 19.2 15.6 23.4
179 15.4 12.0 18.0

Manual Integrations
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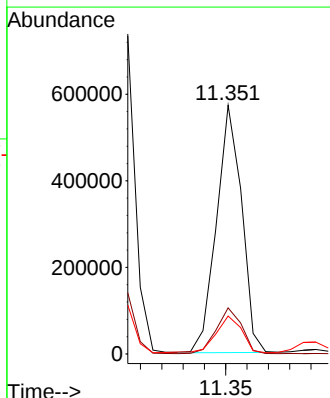
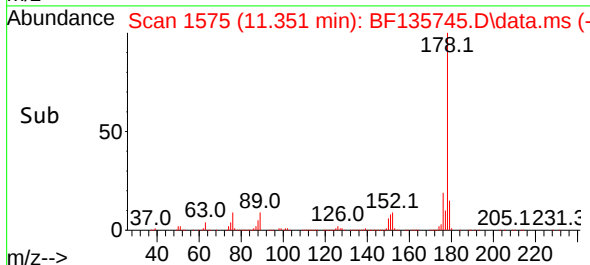
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

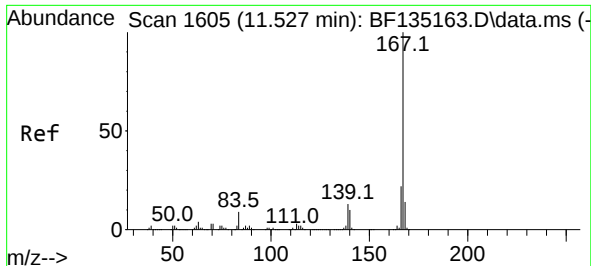


#72
Anthracene
Concen: 58.985 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36



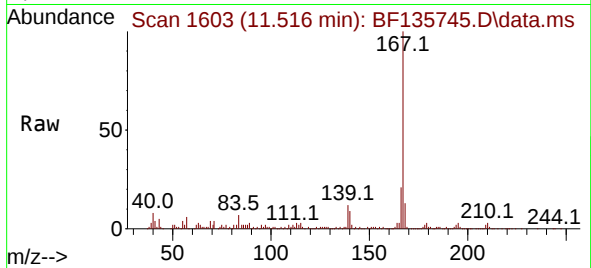
Tgt Ion:178 Resp: 469530
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 15.2 12.6 19.0





#73
 Carbazole
 Concen: 12.417 ng
 RT: 11.516 min Scan# 1603
 Delta R.T. 0.000 min
 Lab File: BF135745.D
 Acq: 12 Oct 2023 20:36

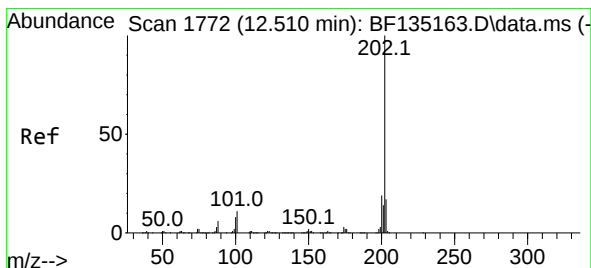
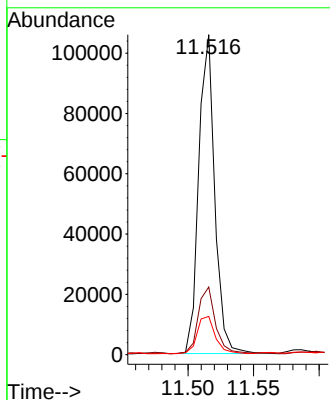
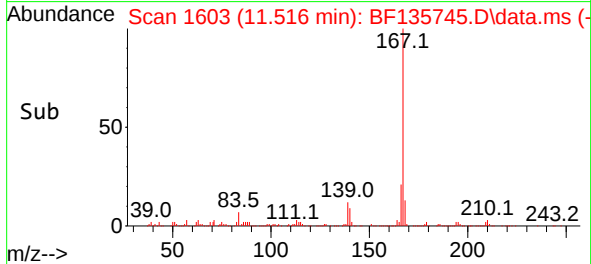
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223



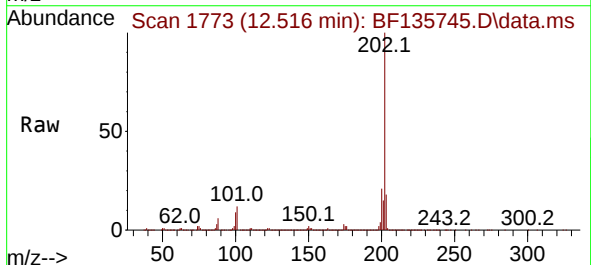
Tgt Ion:167 Resp: 89979
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.4 26.0
 139 12.0 10.6 15.8

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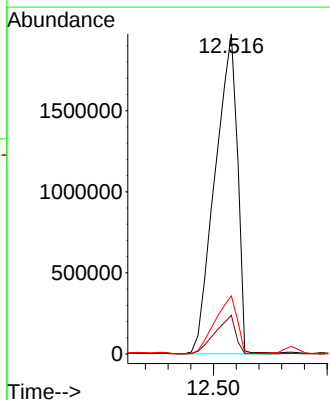
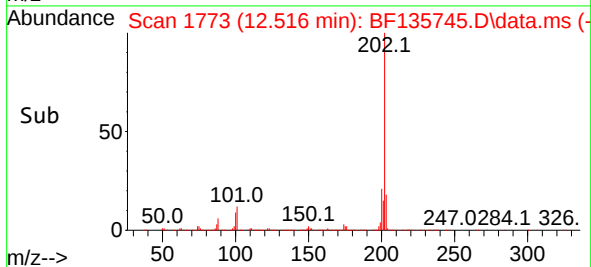
Reviewed By :Yogesh Patel 10/13/2023
 Supervised By :mohammad ahmed 10/13/2023

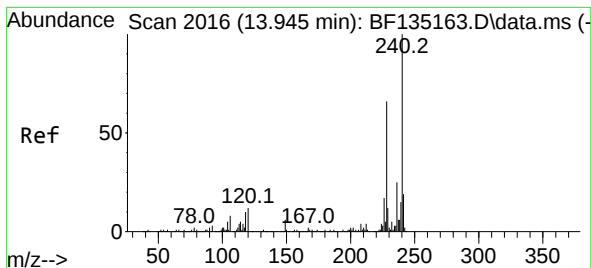


#75
 Fluoranthene
 Concen: 333.851 ng
 RT: 12.516 min Scan# 1773
 Delta R.T. 0.018 min
 Lab File: BF135745.D
 Acq: 12 Oct 2023 20:36



Tgt Ion:202 Resp: 2693935
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 31.3
 203 18.1 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2016

Delta R.T. 0.012 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Instrument :

BNA_F

ClientSampleId :

VNJ-223

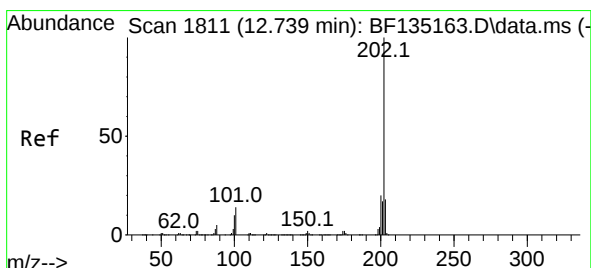
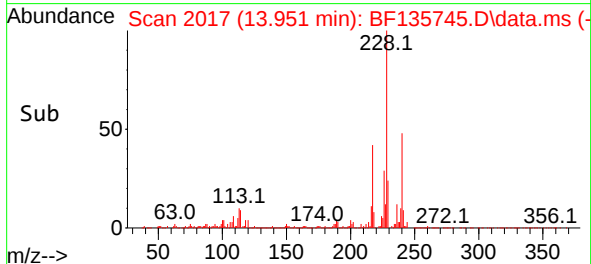
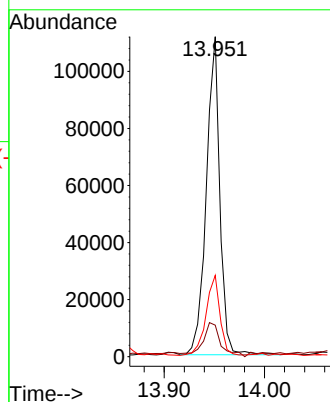
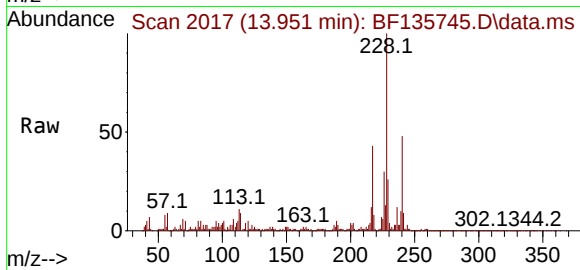
Tgt Ion:240 Resp: 105130
 Ion Ratio Lower Upper
 240 100
 120 9.8 9.4 14.2
 236 25.4 19.8 29.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/13/2023

Supervised By :mohammad ahmed 10/13/2023



#78

Pyrene

Concen: 219.775 ng

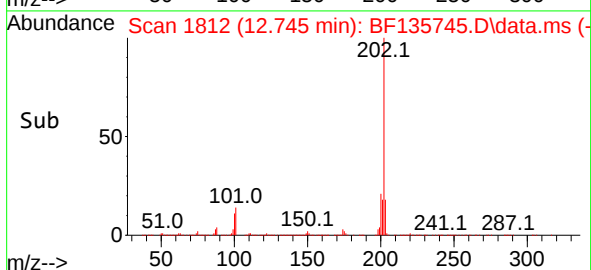
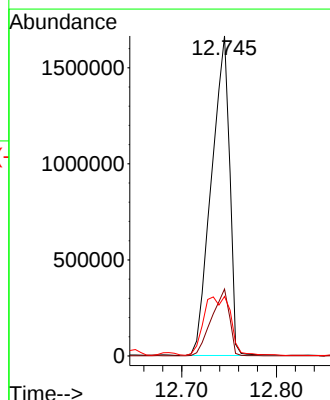
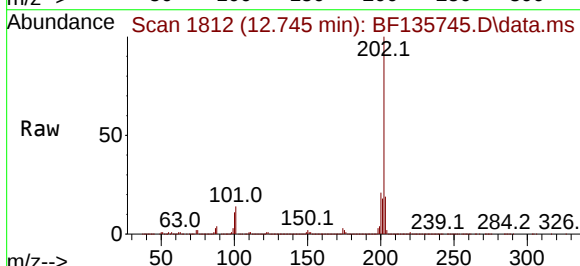
RT: 12.745 min Scan# 1812

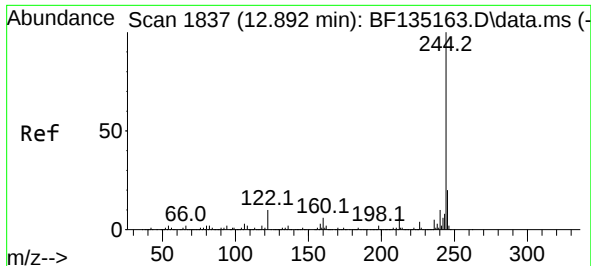
Delta R.T. 0.018 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

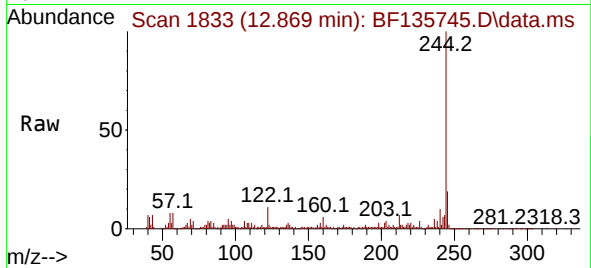
Tgt Ion:202 Resp: 2199771
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.2 24.2
 203 18.6 14.2 21.4





#79
 Terphenyl-d14
 Concen: 17.556 ng
 RT: 12.869 min Scan# 1833
 Delta R.T. 0.000 min
 Lab File: BF135745.D
 Acq: 12 Oct 2023 20:36

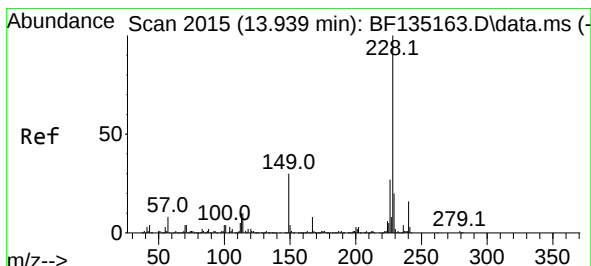
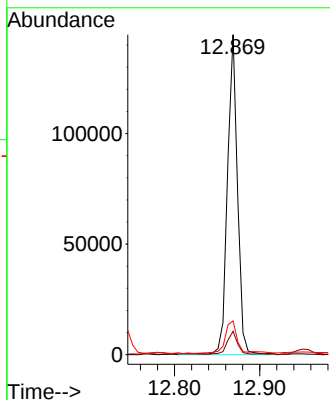
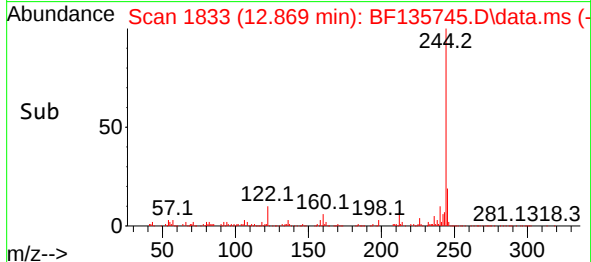
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223



Tgt Ion:244 Resp: 11905
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.1 7.7
 122 10.5 7.9 11.9

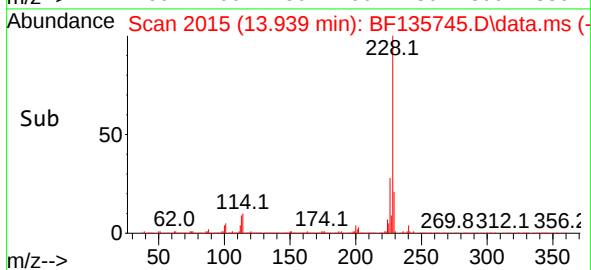
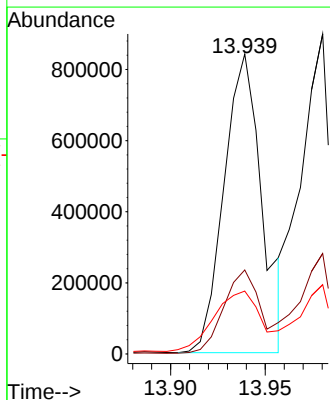
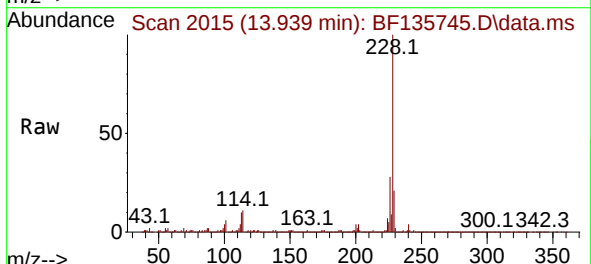
Manual Integrations
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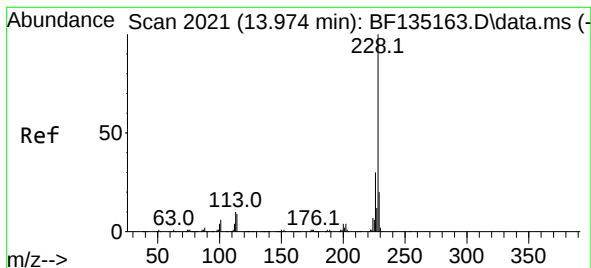
Reviewed By :Yogesh Patel 10/13/2023
 Supervised By :mohammad ahmed 10/13/2023



#81
 Benzo(a)anthracene
 Concen: 172.231 ng
 RT: 13.939 min Scan# 2015
 Delta R.T. 0.012 min
 Lab File: BF135745.D
 Acq: 12 Oct 2023 20:36

Tgt Ion:228 Resp: 1169193
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.7 32.5
 229 21.0 15.8 23.8





#83

Chrysene

Concen: 144.494 ng

RT: 13.980 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Instrument :

BNA_F

ClientSampleId :

VNJ-223

Tgt Ion:228 Resp: 975239

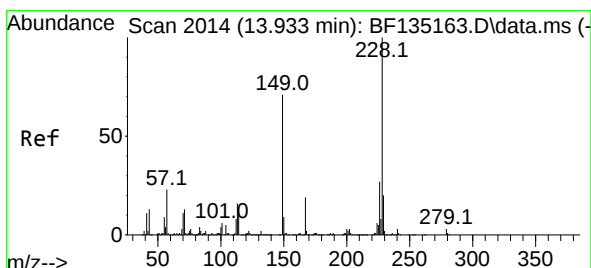
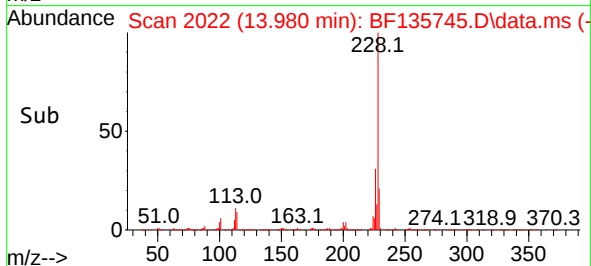
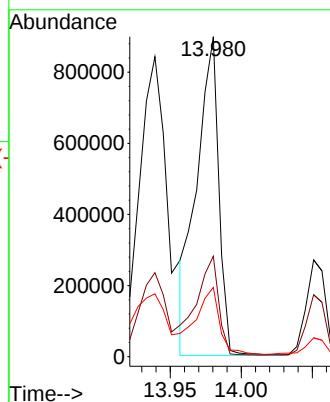
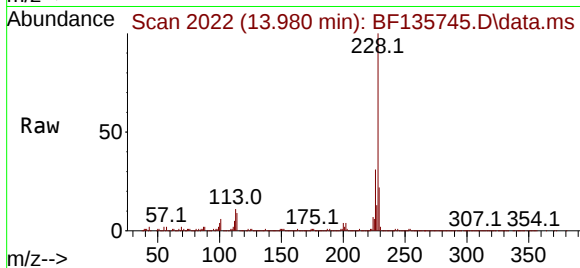
Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.3	36.5
229	21.7	16.0	24.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/13/2023

Supervised By :mohammad ahmed 10/13/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 14.424 ng

RT: 13.910 min Scan# 2010

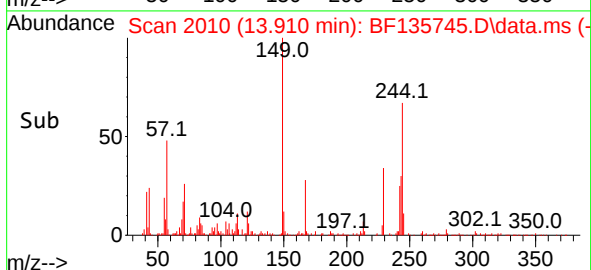
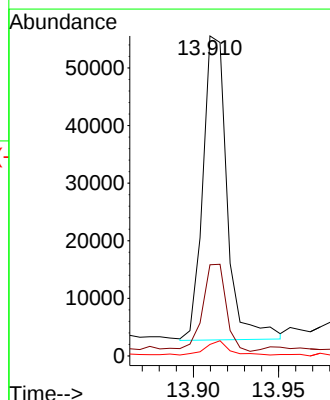
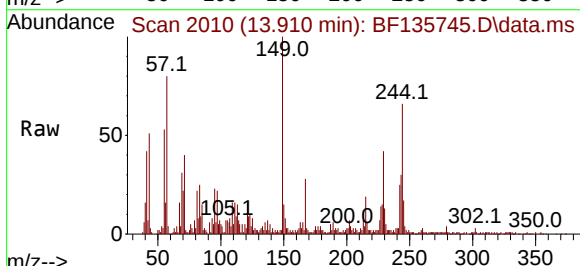
Delta R.T. 0.000 min

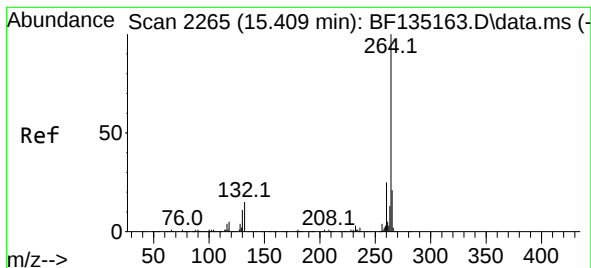
Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Tgt Ion:149 Resp: 52162

Ion	Ratio	Lower	Upper
149	100		
167	28.5	21.9	32.9
279	3.6	3.3	4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Instrument :

BNA_F

ClientSampleId :

VNJ-223

Tgt Ion:264 Resp: 90420

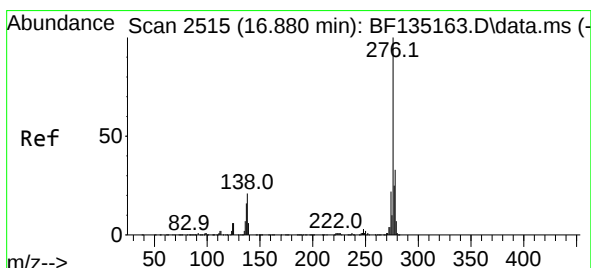
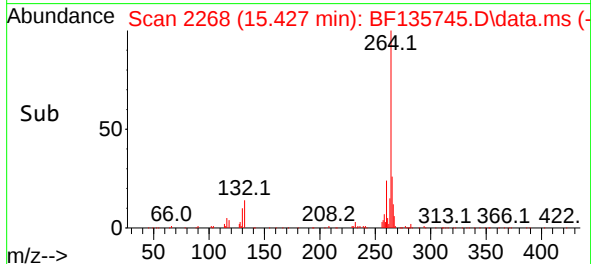
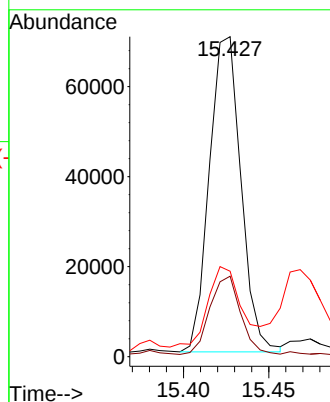
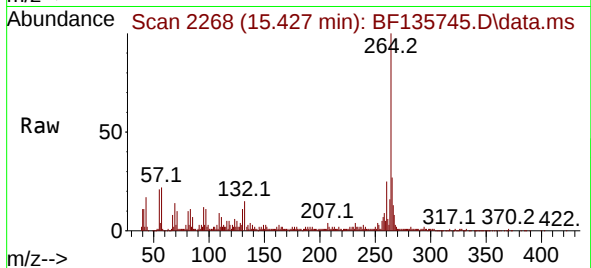
Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.8	29.6
265	26.7	17.0	25.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/13/2023

Supervised By :mohammad ahmed 10/13/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 115.054 ng

RT: 16.939 min Scan# 2525

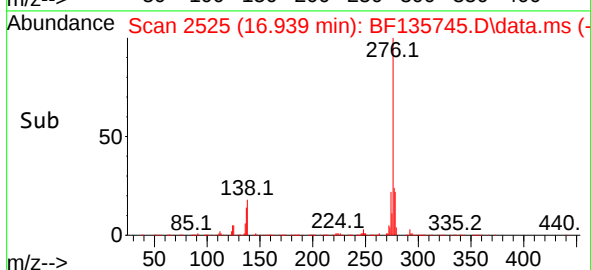
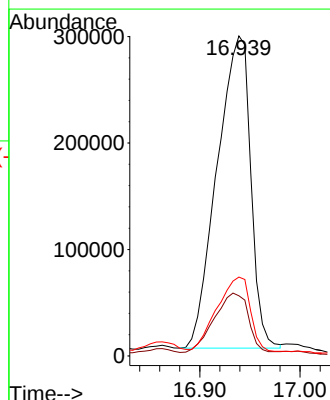
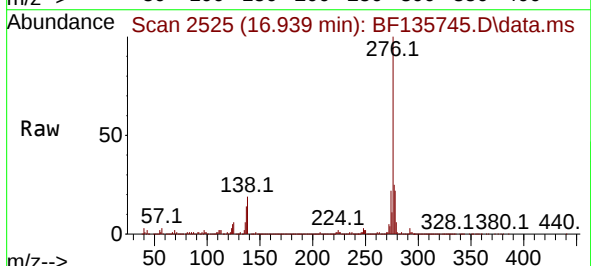
Delta R.T. 0.035 min

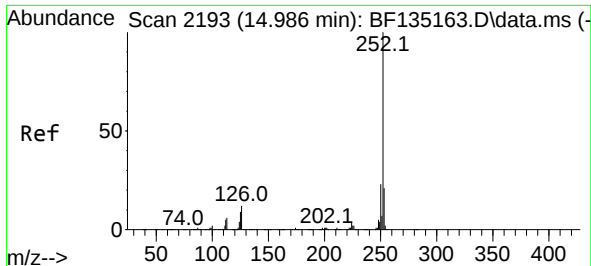
Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Tgt Ion:276 Resp: 682149

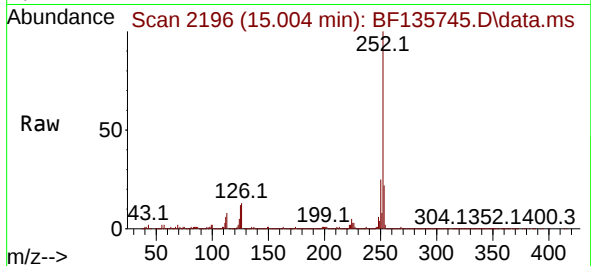
Ion	Ratio	Lower	Upper
276	100		
138	19.3	19.2	28.8
277	23.8	19.7	29.5





#88
Benzo(b)fluoranthene
Concen: 309.192 ng m
RT: 15.004 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

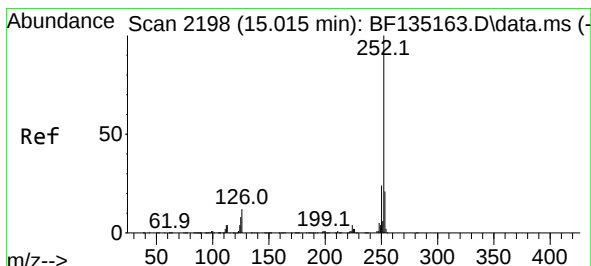
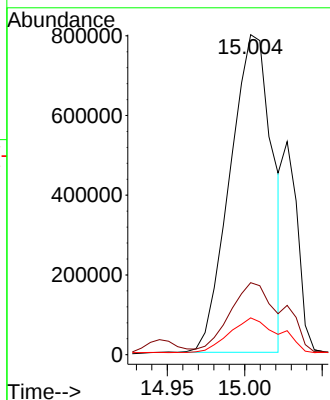
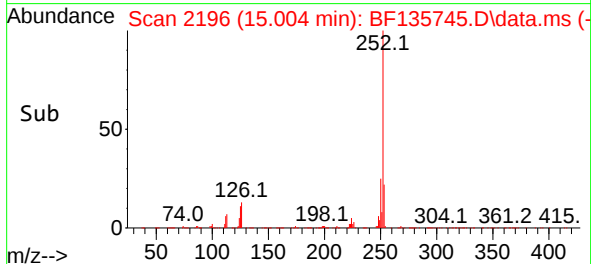
Instrument :
BNA_F
ClientSampleId :
VNJ-223



Tgt Ion:252 Resp: 1513524
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 11.5 7.1 10.7

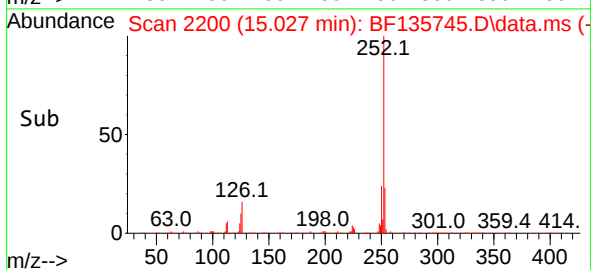
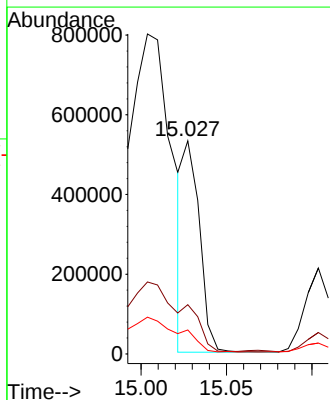
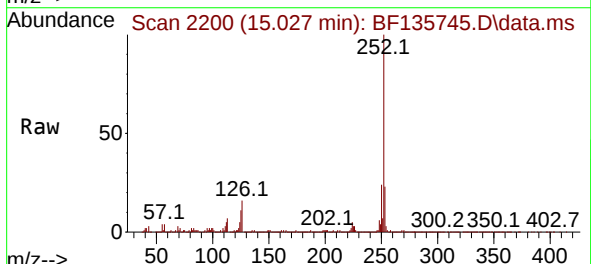
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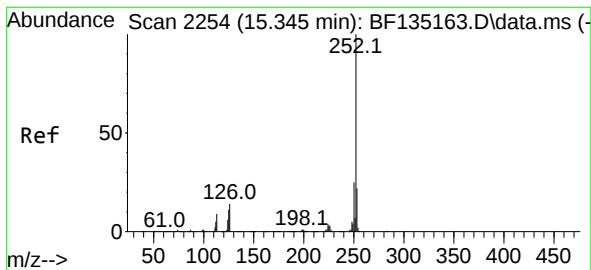
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#89
Benzo(k)fluoranthene
Concen: 72.861 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.024 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

Tgt Ion:252 Resp: 352317
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 11.3 7.2 10.8





#90

Benzo(a)pyrene

Concen: 205.462 ng

RT: 15.374 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Instrument :

BNF

ClientSampleId :

VNJ-223

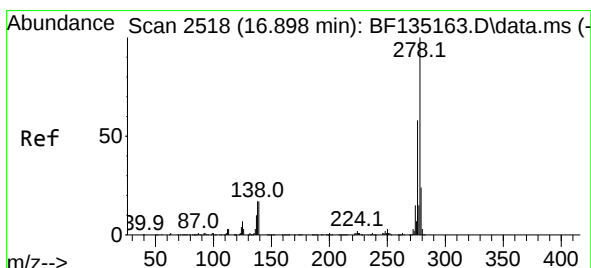
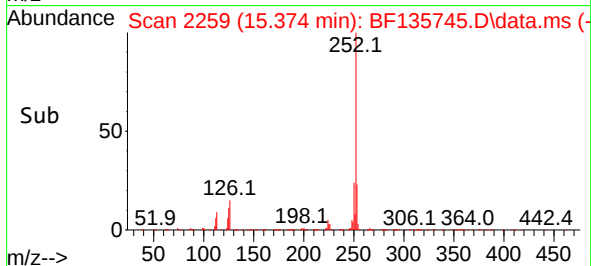
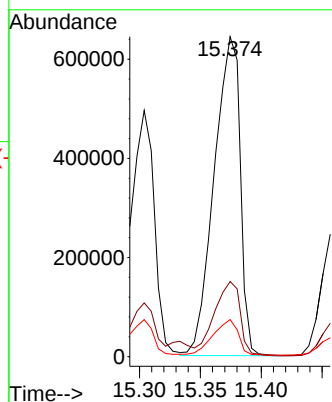
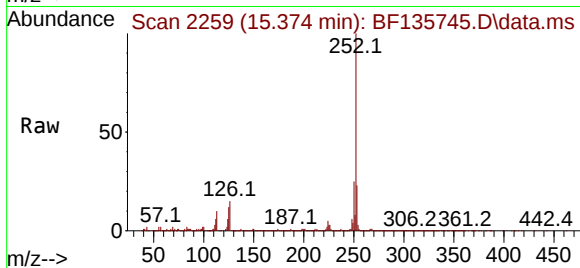
Tgt Ion:252 Resp: 95912
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.5 26.3
 125 11.6 9.2 13.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/13/2023

Supervised By :mohammad ahmed 10/13/2023



#91

Dibenzo(a,h)anthracene

Concen: 31.697 ng m

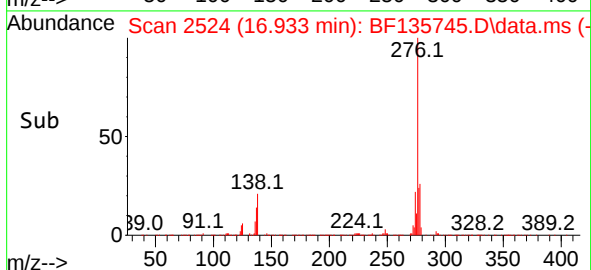
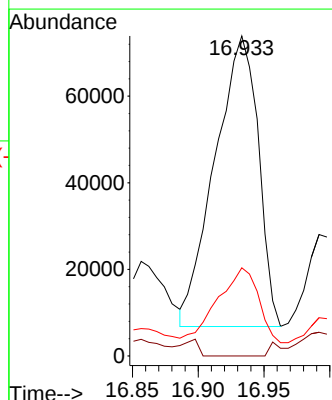
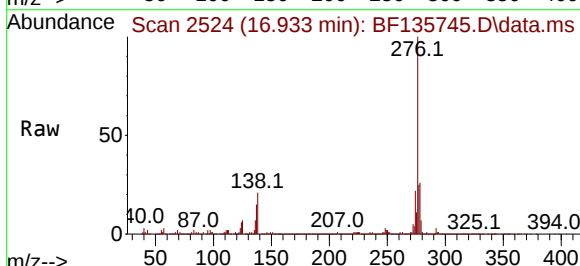
RT: 16.933 min Scan# 2524

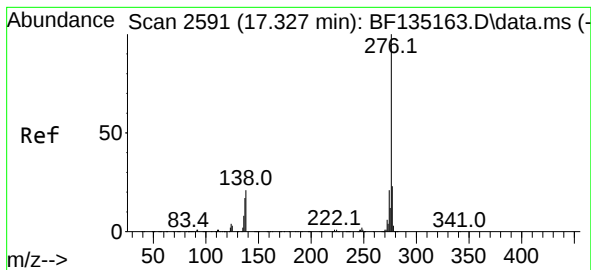
Delta R.T. 0.024 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Tgt Ion:278 Resp: 153766
 Ion Ratio Lower Upper
 278 100
 139 0.0 13.4 20.0#
 279 27.6 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 143.372 ng

RT: 17.398 min Scan# 20

Delta R.T. 0.047 min

Lab File: BF135745.D

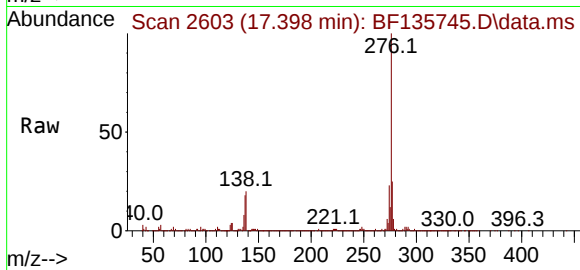
Acq: 12 Oct 2023 20:36

Instrument :

BNA_F

ClientSampleId :

VNJ-223



Tgt Ion:276 Resp: 726379

Ion Ratio Lower Upper

276 100

277 25.5 18.8 28.2

138 20.1 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/13/2023

Supervised By :mohammad ahmed 10/13/2023

