

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135871.D
 Acq On : 19 Oct 2023 03:29
 Operator : CG\JU
 Sample : 04858-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023

Quant Time: Oct 19 04:44:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	74003	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	260033	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	107709	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	189596	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	148424	20.000	ng	-0.01
86) Perylene-d12	15.421	264	111216	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	254627	55.319	ng	0.00
7) Phenol-d6	6.392	99	313378	54.566	ng	0.00
23) Nitrobenzene-d5	7.304	82	187472	39.652	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	55694	53.886	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	339015	49.212	ng	-0.01
79) Terphenyl-d14	12.869	244	328532	40.991	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.039	128	114166	9.001	ng	99
37) 2-Methylnaphthalene	8.733	142	34493	4.128	ng	97
38) 1-Methylnaphthalene	8.828	142	30085	3.903	ng	98
49) Acenaphthylene	9.639	152	34958	3.553	ng	97
52) Acenaphthene	9.810	154	12501	2.119	ng	97
55) Dibenzofuran	9.986	168	17983	2.021	ng	90
58) Fluorene	10.328	166	25264	3.626	ng	96
71) Phenanthrene	11.298	178	194227	21.385	ng	98
72) Anthracene	11.351	178	57683	6.129	ng	100
73) Carbazole	11.522	167	21180	2.413	ng	99
75) Fluoranthene	12.498	202	302747	30.033	ng	97
78) Pyrene	12.727	202	308441	26.151	ng	100
81) Benzo(a)anthracene	13.933	228	133475	13.691	ng	96
83) Chrysene	13.968	228	122275	12.949	ng	99
87) Indeno(1,2,3-cd)pyrene	16.939	276	35981	5.938	ng	96
88) Benzo(b)fluoranthene	14.992	252	101929m	16.376	ng	
89) Benzo(k)fluoranthene	15.015	252	30345m	5.022	ng	
90) Benzo(a)pyrene	15.362	252	70734	12.085	ng	# 97
92) Benzo(g,h,i)perylene	17.398	276	35083	6.875	ng	# 82

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

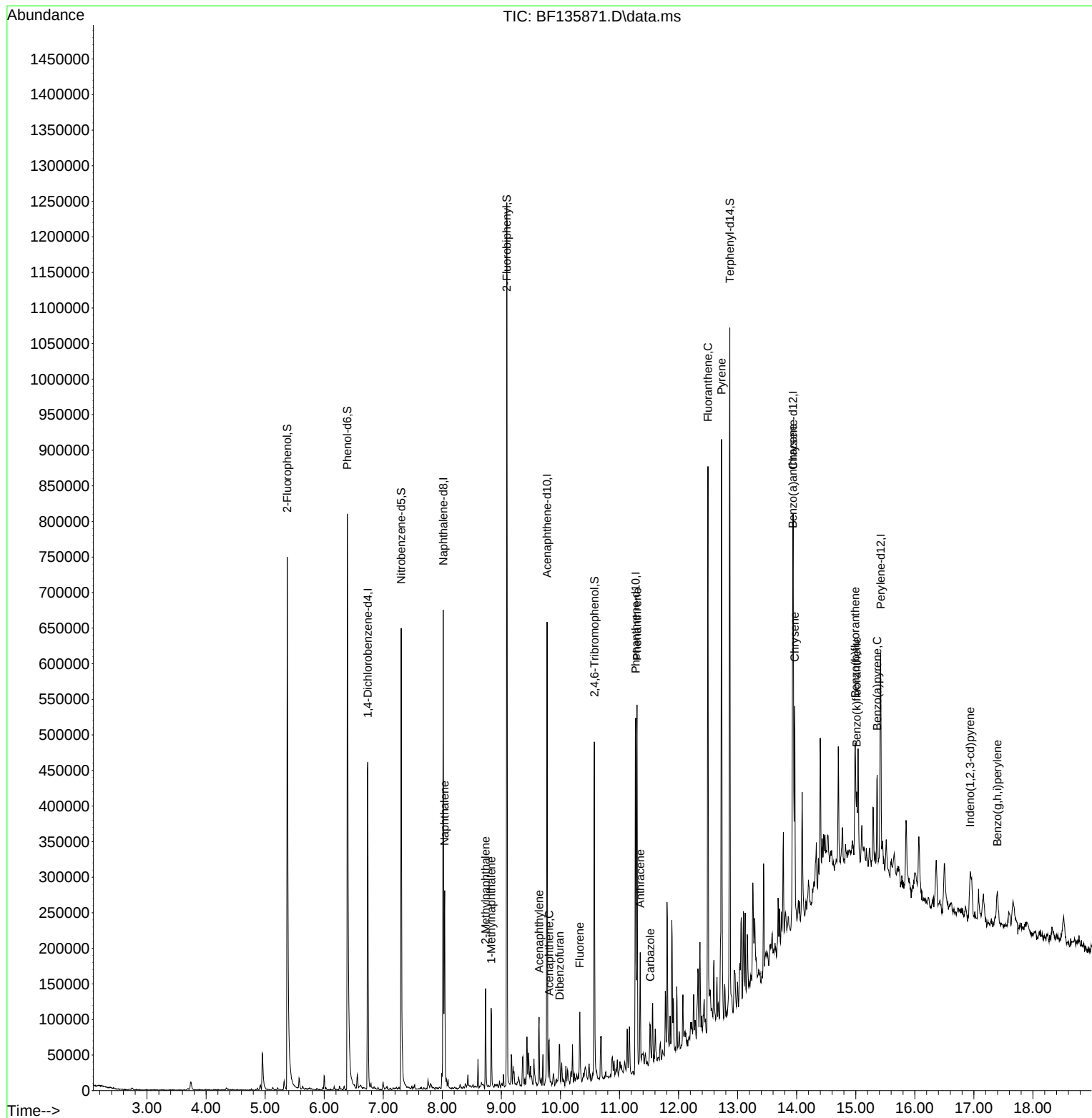
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
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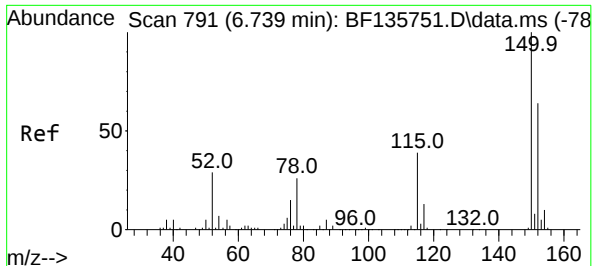
Instrument :
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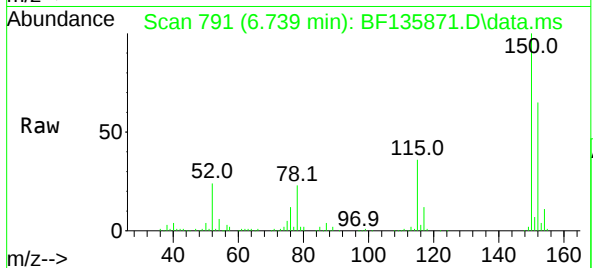
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.007 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

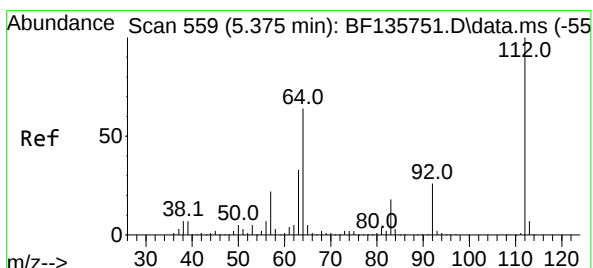
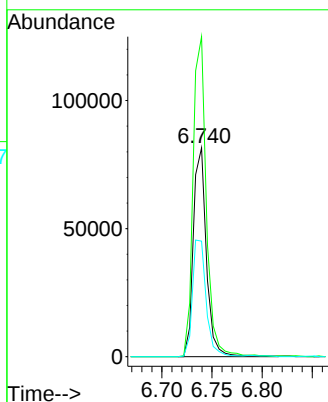
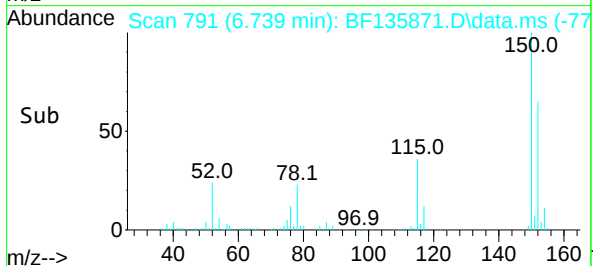
Instrument :
BNA_F
ClientSampleId :
WC-1



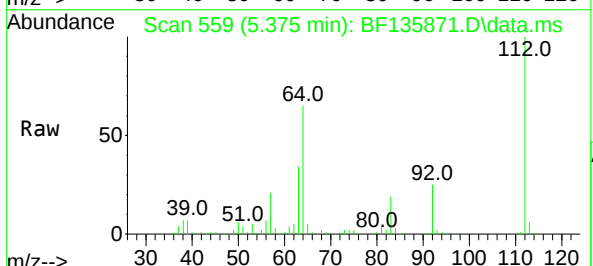
Tgt Ion:152 Resp: 74000
Ion Ratio Lower Upper
152 100
150 153.2 124.5 186.7
115 55.3 49.0 73.4

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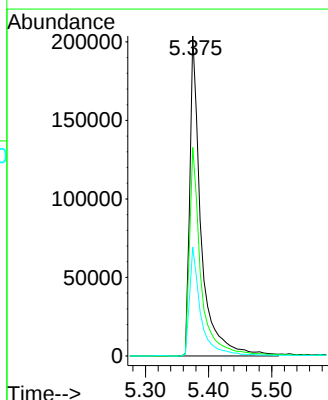
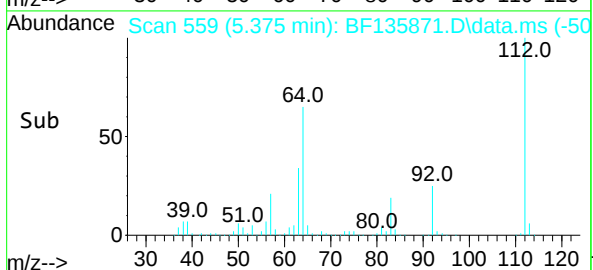
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

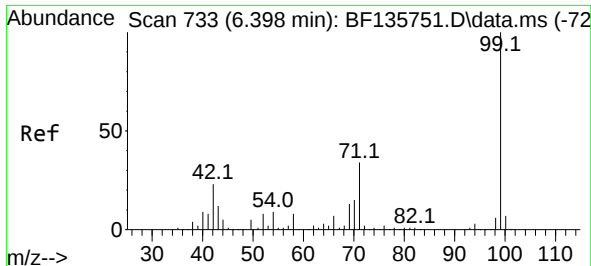


#5
2-Fluorophenol
Concen: 55.319 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29



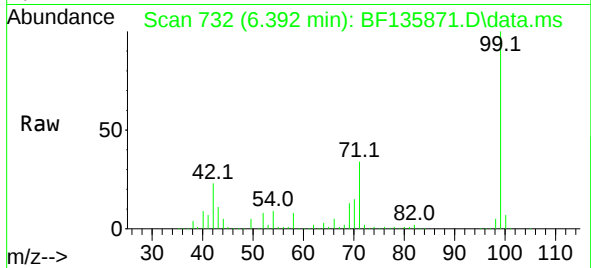
Tgt Ion:112 Resp: 254627
Ion Ratio Lower Upper
112 100
64 65.1 51.2 76.8
63 34.0 26.1 39.1





#7
Phenol-d6
Concen: 54.566 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

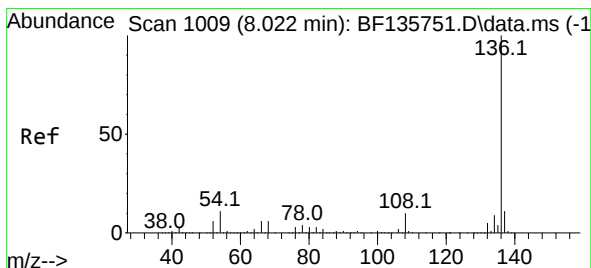
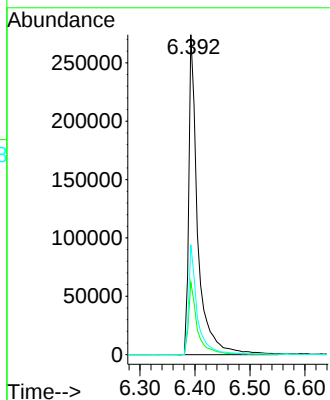
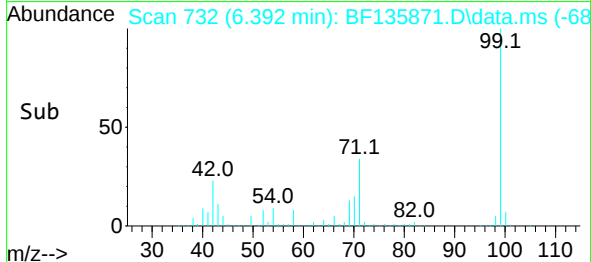
Instrument :
BNA_F
ClientSampleId :
WC-1



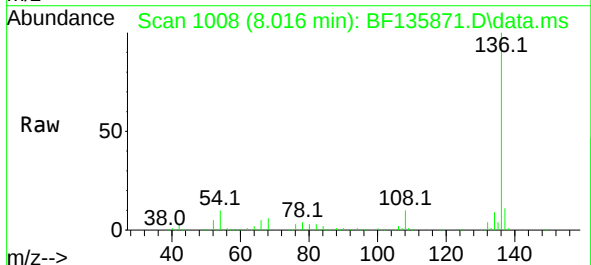
Tgt Ion: 99 Resp: 313378
Ion Ratio Lower Upper
99 100
42 22.7 18.4 27.6
71 34.4 27.2 40.8

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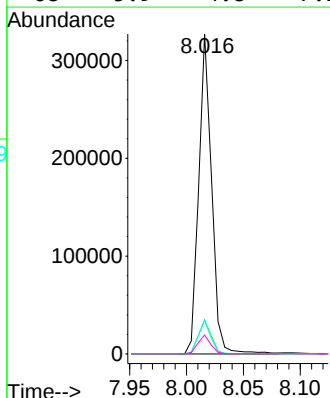
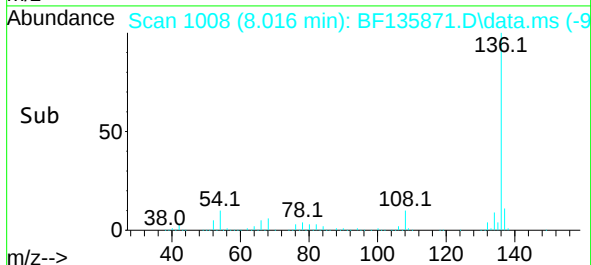
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

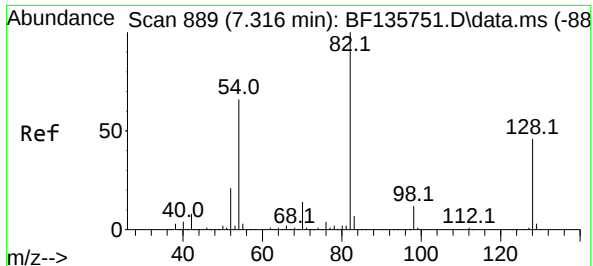


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29



Tgt Ion:136 Resp: 260033
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 10.4 8.5 12.7
68 5.9 4.8 7.2





#23

Nitrobenzene-d5

Concen: 39.652 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 82 Resp: 187472

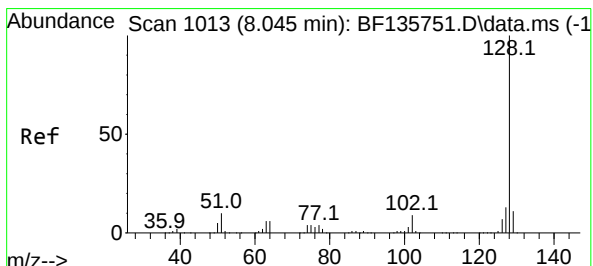
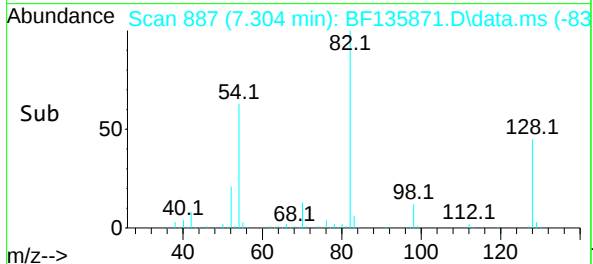
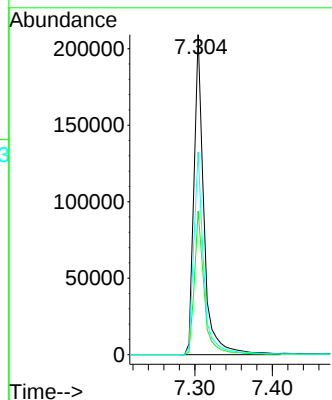
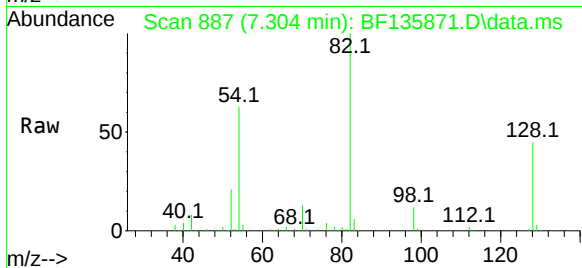
Ion	Ratio	Lower	Upper
82	100		
128	44.9	37.0	55.6
54	63.3	52.8	79.2

Manual Integrations

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#31

Naphthalene

Concen: 9.001 ng

RT: 8.039 min Scan# 1012

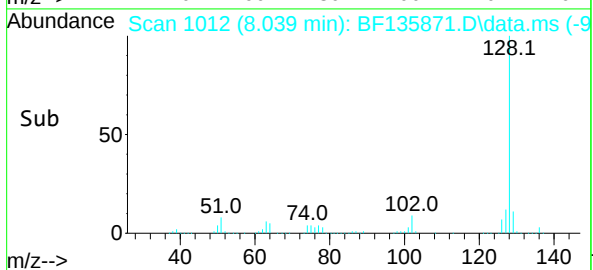
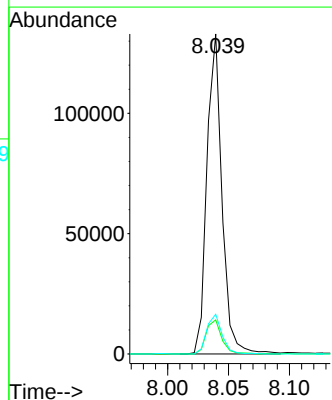
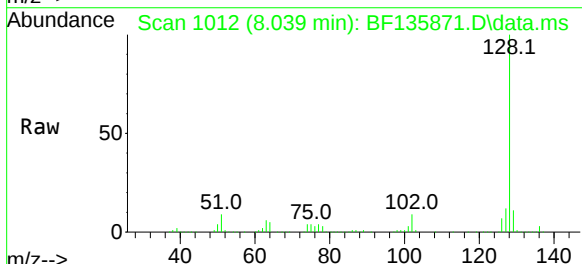
Delta R.T. -0.006 min

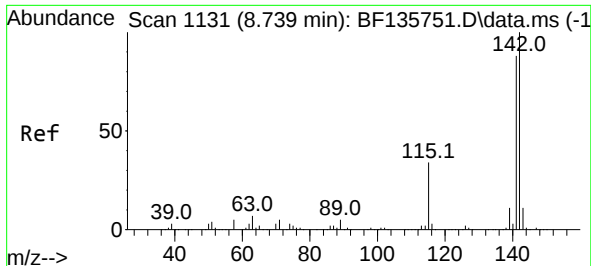
Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

Tgt Ion:128 Resp: 114166

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	12.4	10.2	15.4





#37

2-Methylnaphthalene

Concen: 4.128 ng

RT: 8.733 min Scan# 1131

Delta R.T. -0.006 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:142 Resp: 3449

Ion Ratio Lower Upper

142 100

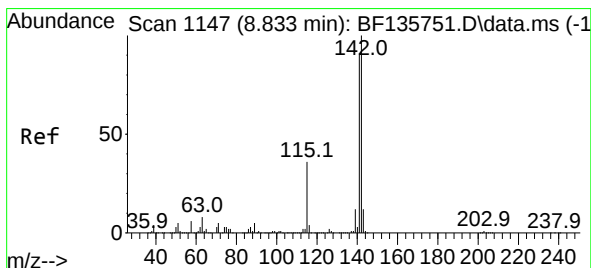
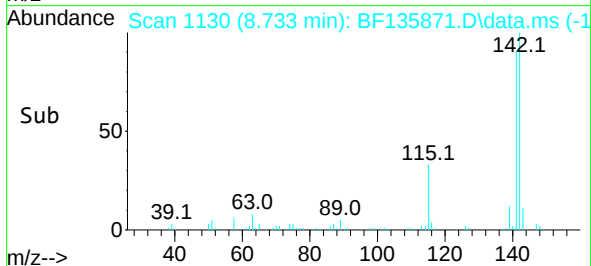
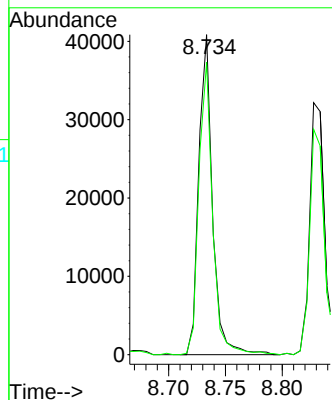
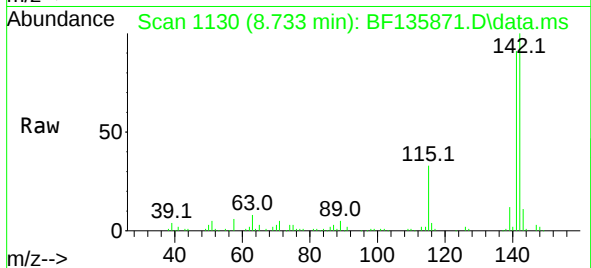
141 91.4 70.6 105.8

Manual Integrations

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Supervised By :mohammad ahmed 10/20/2023



#38

1-Methylnaphthalene

Concen: 3.903 ng

RT: 8.828 min Scan# 1146

Delta R.T. -0.012 min

Lab File: BF135871.D

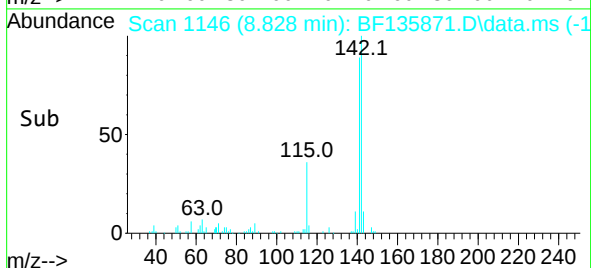
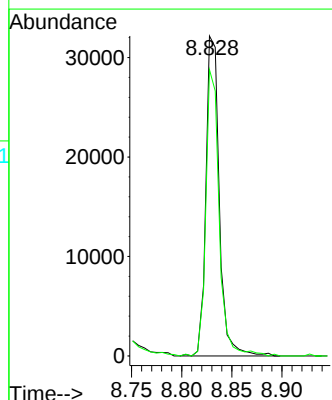
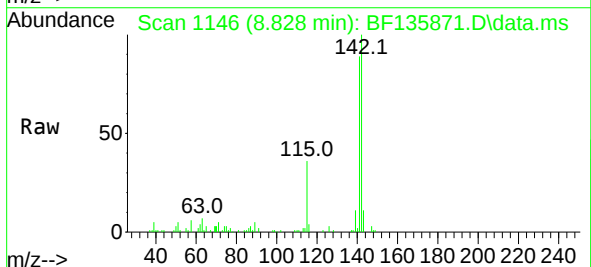
Acq: 19 Oct 2023 03:29

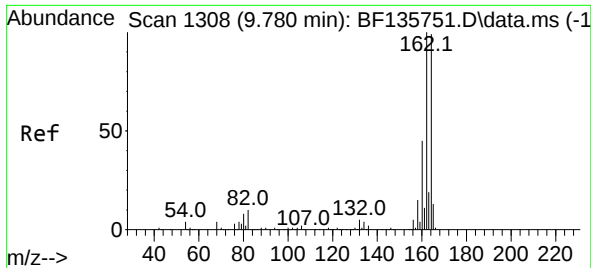
Tgt Ion:142 Resp: 30085

Ion Ratio Lower Upper

142 100

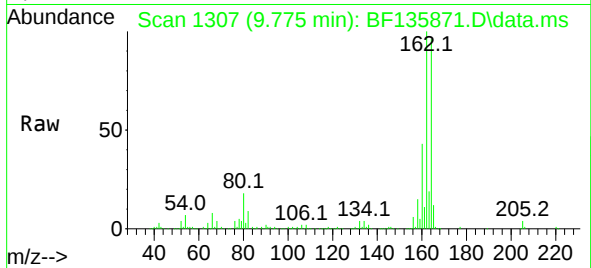
141 89.4 72.7 109.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

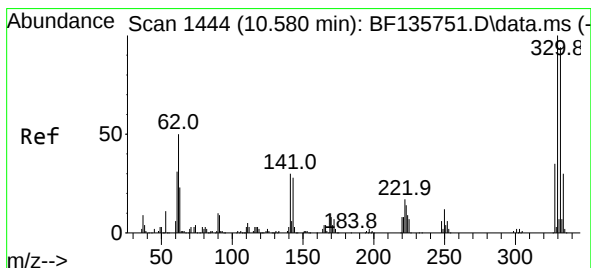
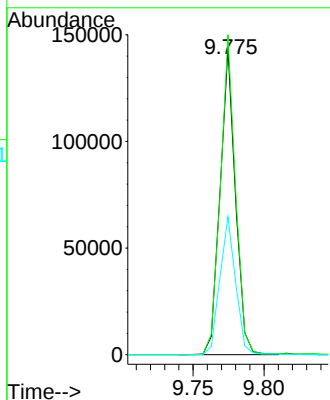
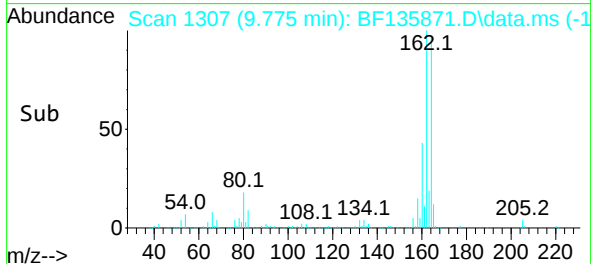
Instrument :
BNA_F
ClientSampleId :
WC-1



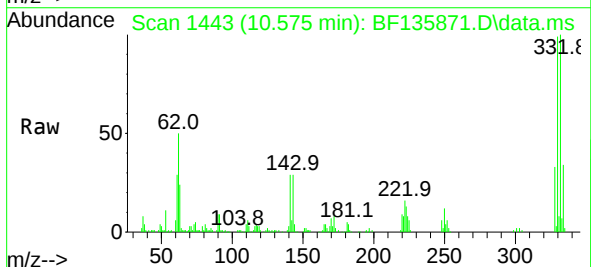
Tgt Ion:164 Resp: 107709
Ion Ratio Lower Upper
164 100
162 104.5 80.8 121.2
160 45.1 36.6 54.8

Manual Integrations
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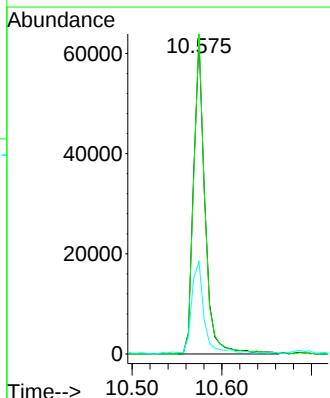
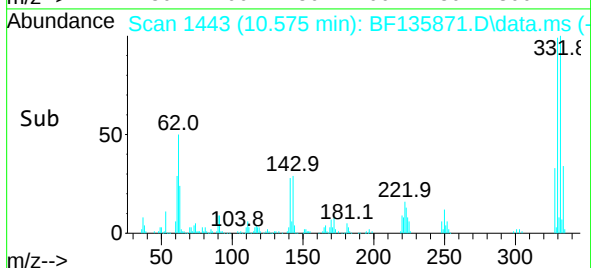
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

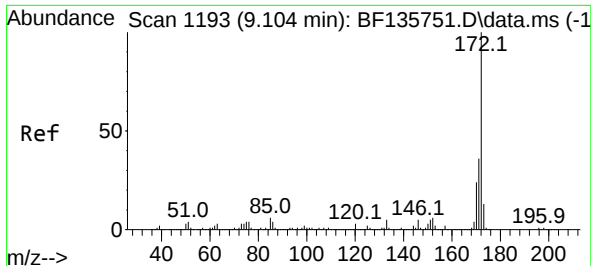


#42
2,4,6-Tribromophenol
Concen: 53.886 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29



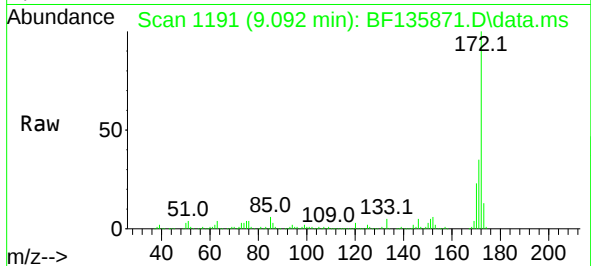
Tgt Ion:330 Resp: 55694
Ion Ratio Lower Upper
330 100
332 99.4 75.0 112.4
141 33.4 25.8 38.6





#45
2-Fluorobiphenyl
Concen: 49.212 ng
RT: 9.092 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

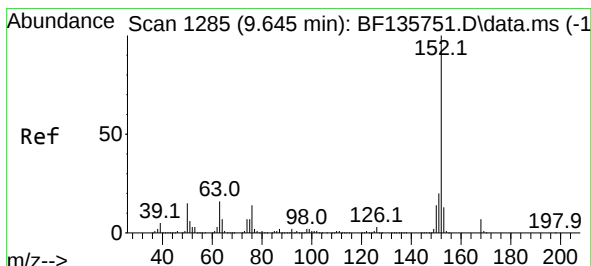
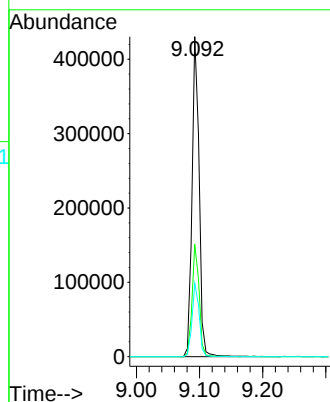
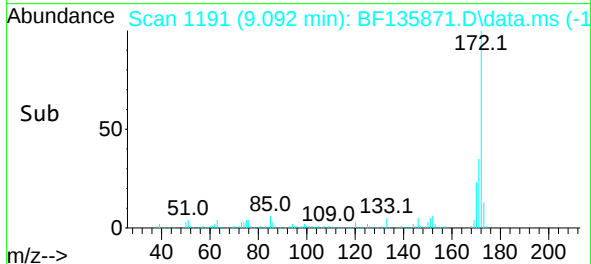
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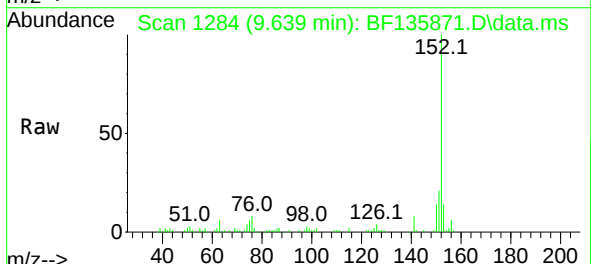
Tgt Ion:172 Resp: 339015
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 22.9 18.8 28.2

Manual Integrations
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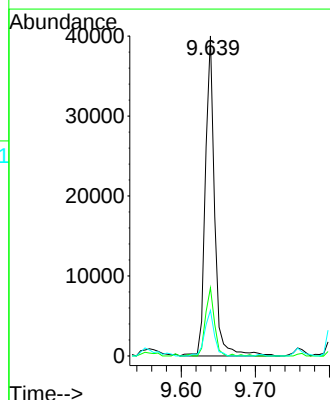
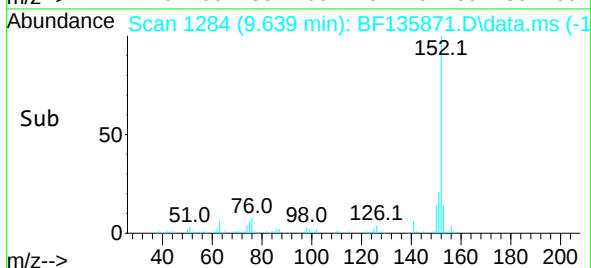
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

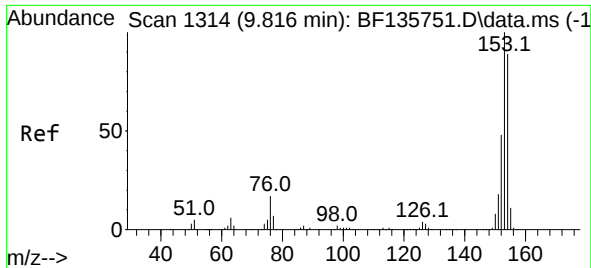


#49
Acenaphthylene
Concen: 3.553 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29



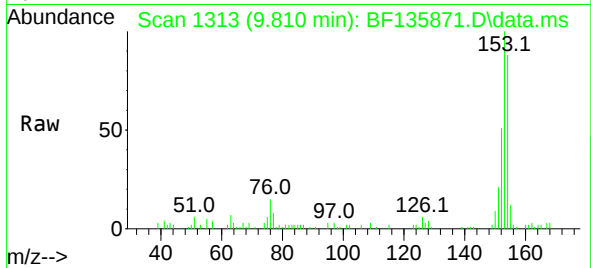
Tgt Ion:152 Resp: 34958
Ion Ratio Lower Upper
152 100
151 21.3 16.2 24.2
153 14.2 10.2 15.4





#52
Acenaphthene
Concen: 2.119 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

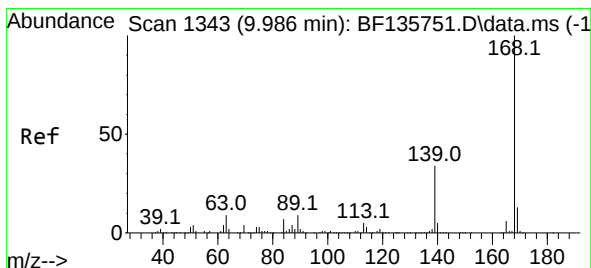
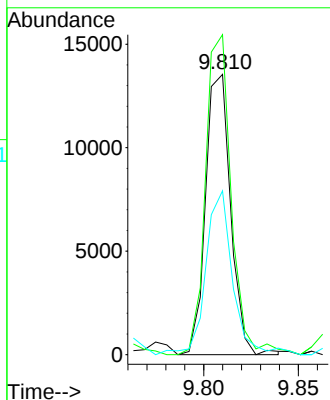
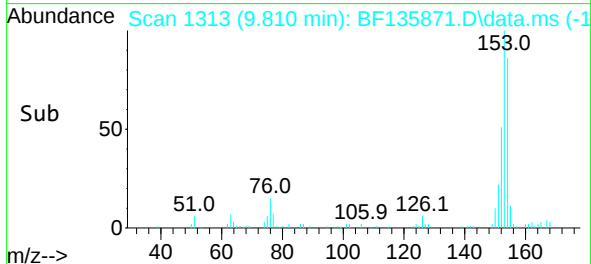
Instrument :
BNA_F
ClientSampleId :
WC-1



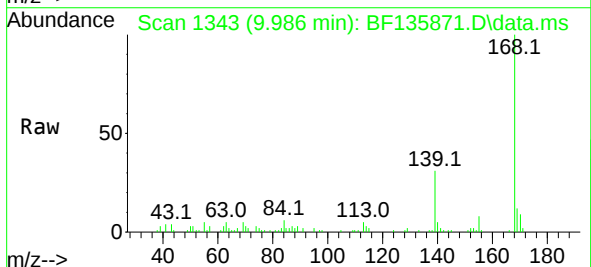
Tgt Ion:154 Resp: 1250
Ion Ratio Lower Upper
154 100
153 114.1 90.1 135.1
152 58.4 43.1 64.7

Manual Integrations
APPROVED

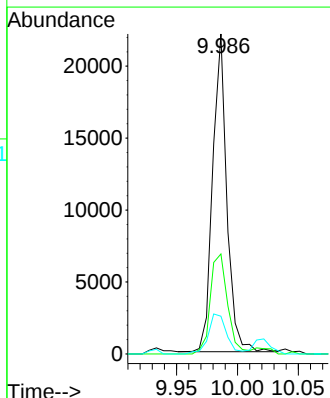
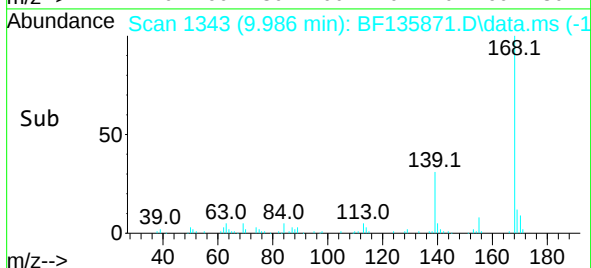
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

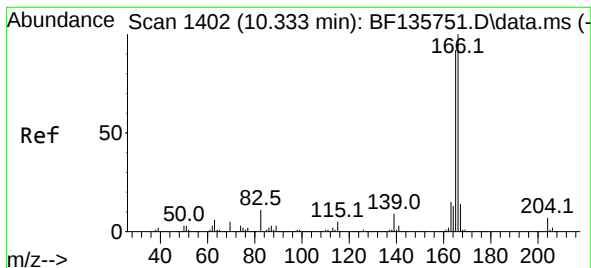


#55
Dibenzofuran
Concen: 2.021 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29



Tgt Ion:168 Resp: 17983
Ion Ratio Lower Upper
168 100
139 31.3 31.0 46.4
169 11.8 10.7 16.1





#58

Fluorene

Concen: 3.626 ng

RT: 10.328 min Scan# 1401

Delta R.T. -0.012 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

Instrument :

BNA_F

ClientSampleId :

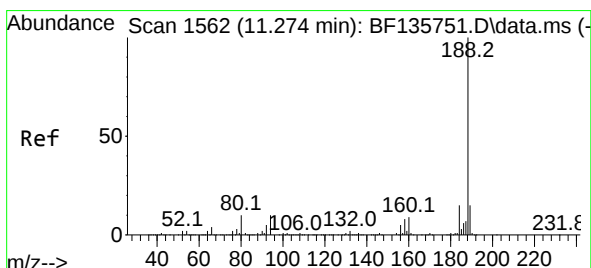
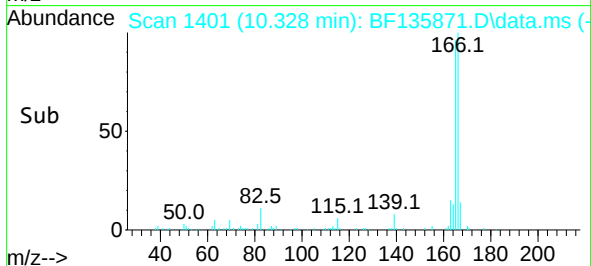
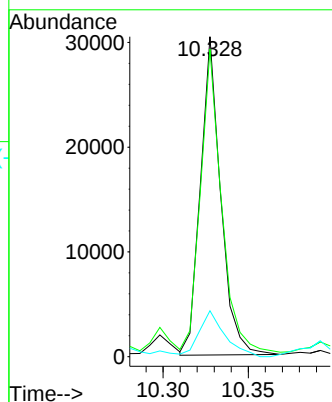
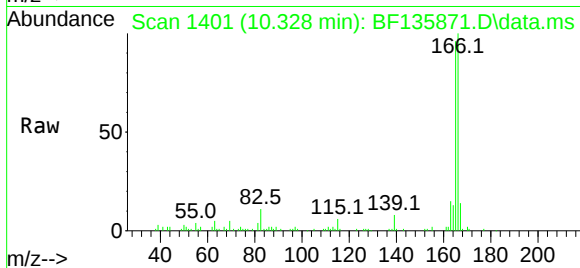
WC-1

Tgt Ion:166 Resp: 25264
 Ion Ratio Lower Upper
 166 100
 165 96.1 73.4 110.0
 167 14.4 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

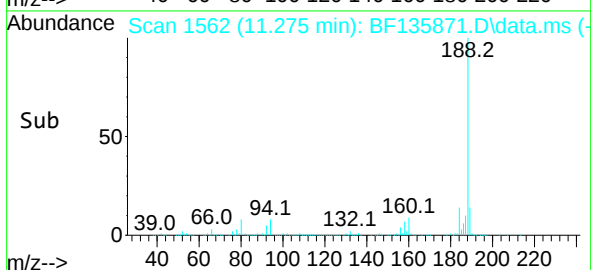
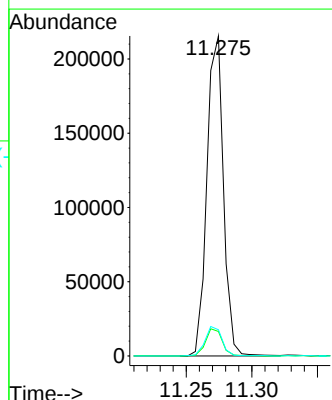
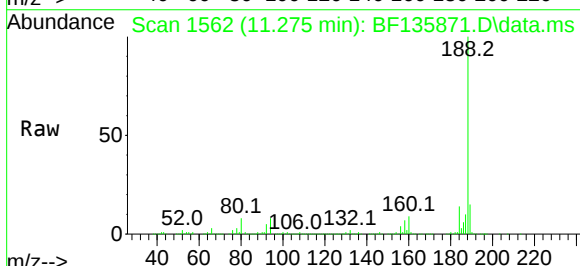
RT: 11.275 min Scan# 1562

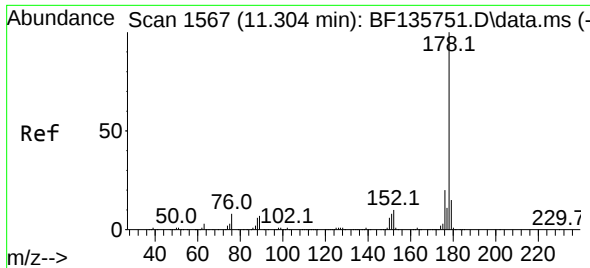
Delta R.T. -0.006 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

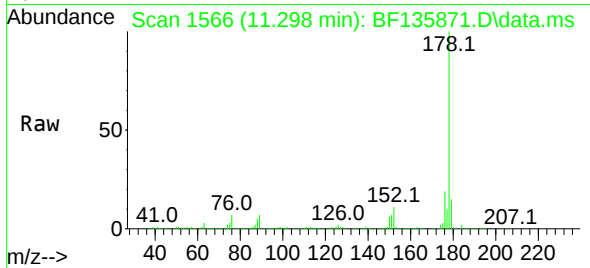
Tgt Ion:188 Resp: 189596
 Ion Ratio Lower Upper
 188 100
 94 7.7 8.0 12.0#
 80 8.2 8.3 12.5#





#71
Phenanthrene
Concen: 21.385 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

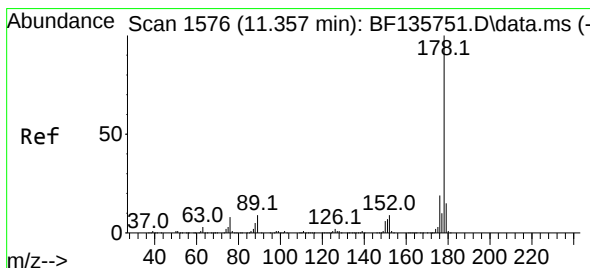
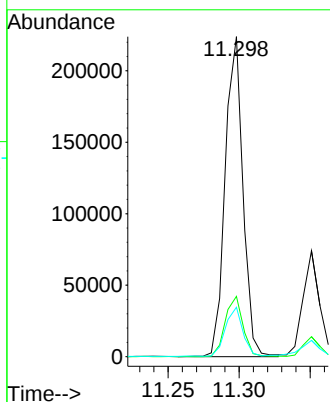
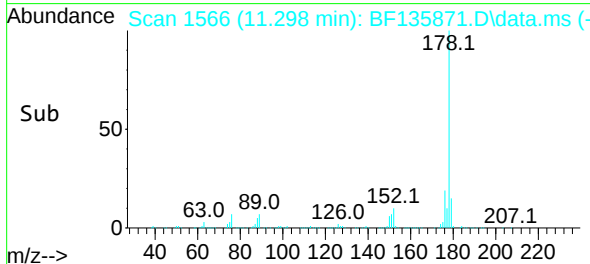
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:178 Resp: 19422
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.5 12.2 18.4

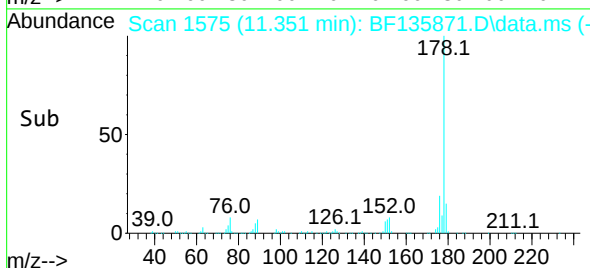
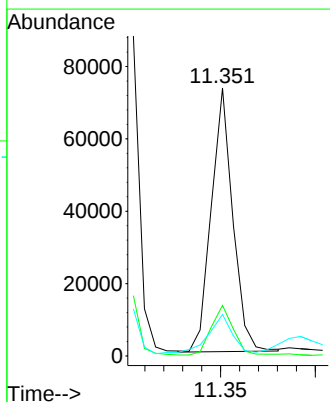
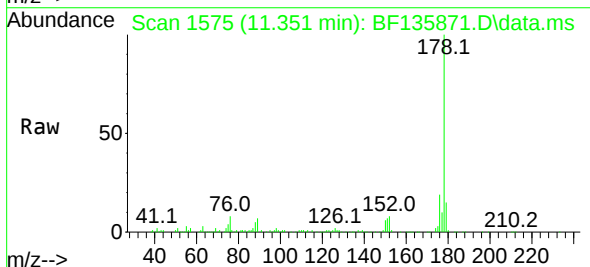
Manual Integrations
APPROVED

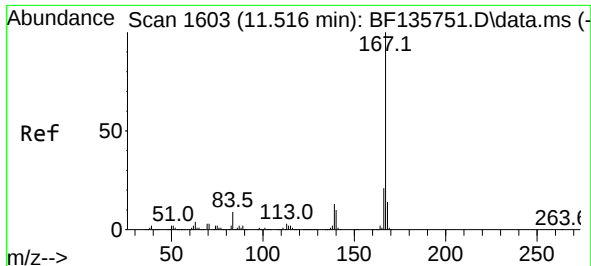
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#72
Anthracene
Concen: 6.129 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

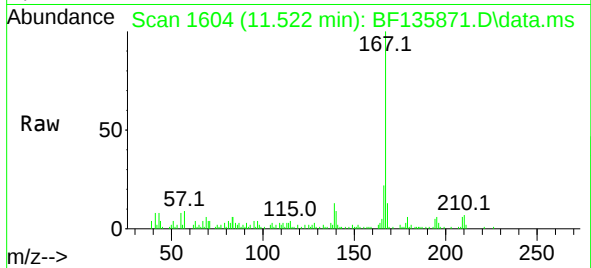
Tgt Ion:178 Resp: 57683
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.5 12.3 18.5





#73
Carbazole
Concen: 2.413 ng
RT: 11.522 min Scan# 1604
Delta R.T. -0.000 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

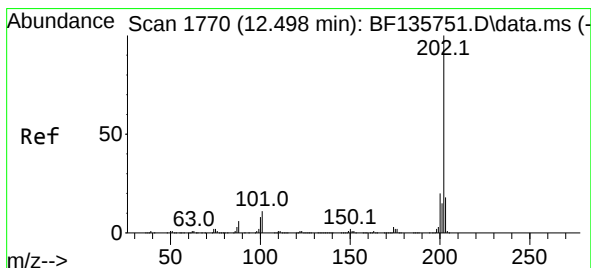
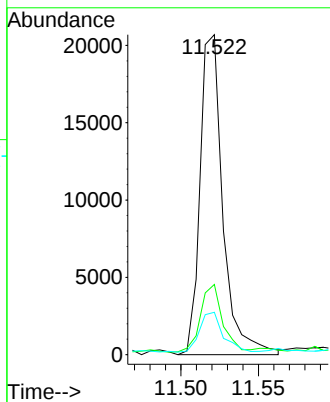
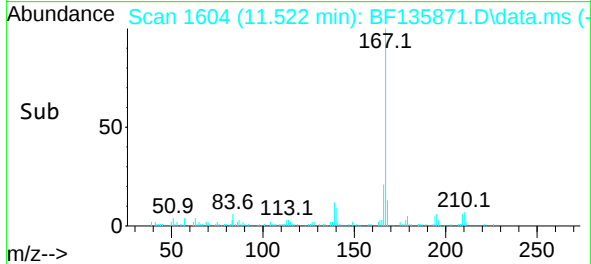
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:167 Resp: 21180
Ion Ratio Lower Upper
167 100
166 21.9 17.1 25.7
139 13.2 10.2 15.4

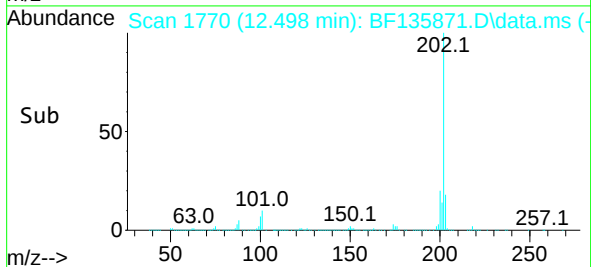
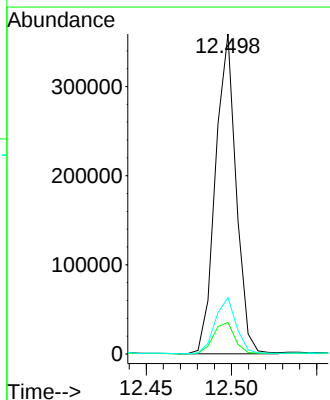
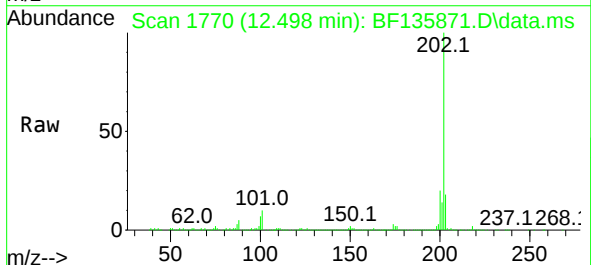
Manual Integrations
APPROVED

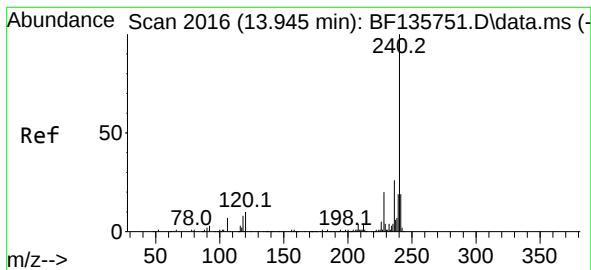
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#75
Fluoranthene
Concen: 30.033 ng
RT: 12.498 min Scan# 1770
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

Tgt Ion:202 Resp: 302747
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.5
203 17.6 0.0 38.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

Instrument :

BNA_F

ClientSampleId :

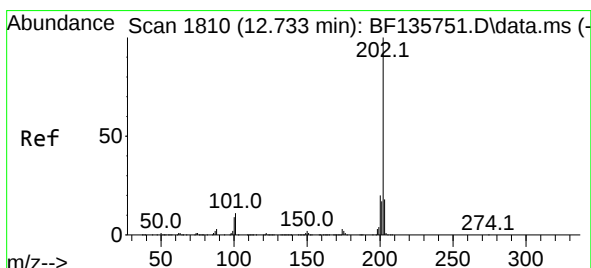
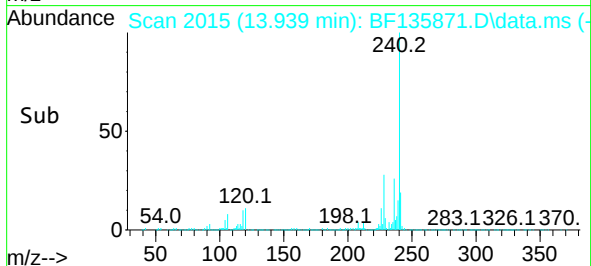
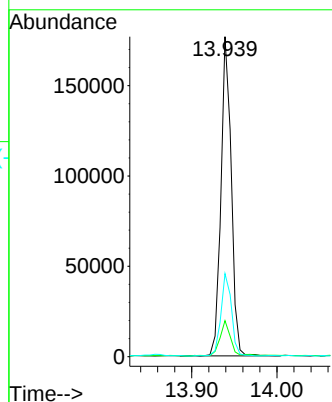
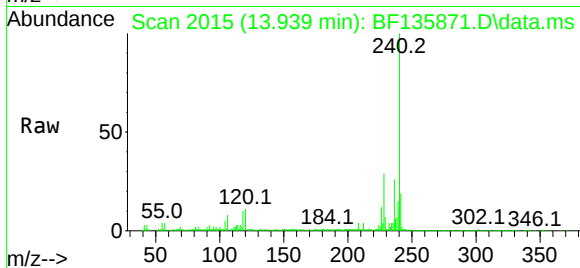
WC-1

Tgt Ion:240 Resp: 148424
Ion Ratio Lower Upper
240 100
120 11.3 8.2 12.2
236 26.0 21.2 31.8

Manual Integrations

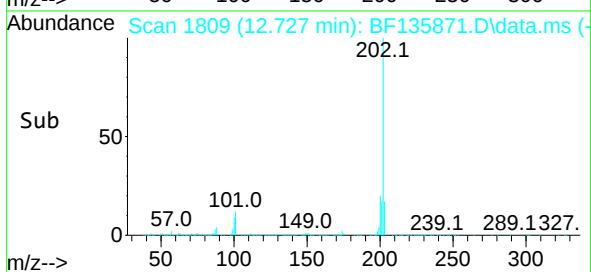
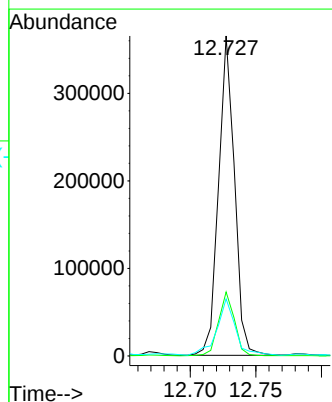
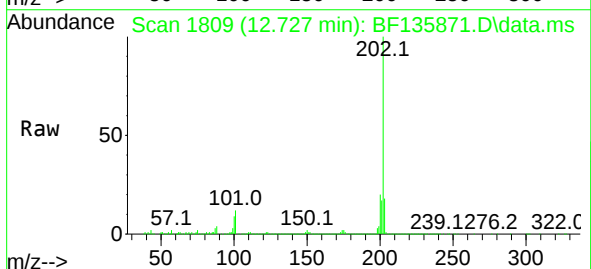
APPROVED

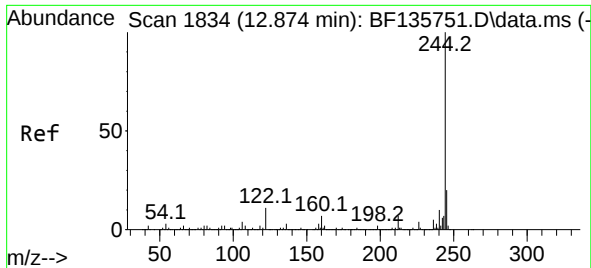
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#78
Pyrene
Concen: 26.151 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

Tgt Ion:202 Resp: 308441
Ion Ratio Lower Upper
202 100
200 20.0 16.1 24.1
203 17.9 14.2 21.2





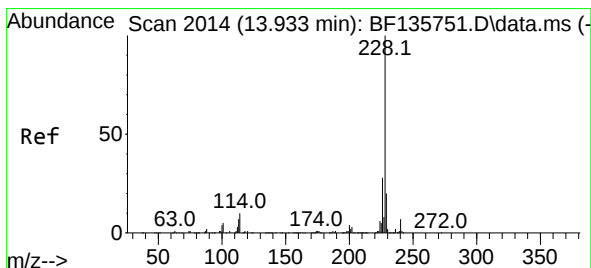
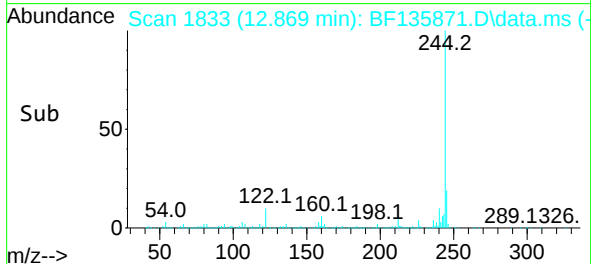
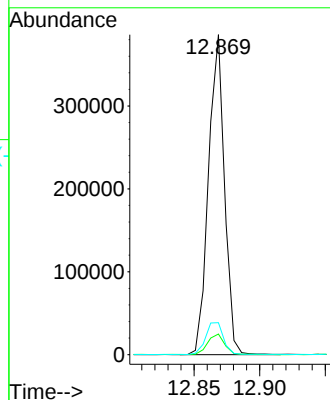
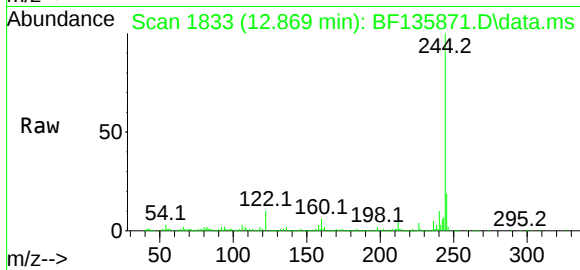
#79
 Terphenyl-d14
 Concen: 40.991 ng
 RT: 12.869 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135871.D
 Acq: 19 Oct 2023 03:29

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion:244 Resp: 32853
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.0 9.0 13.6

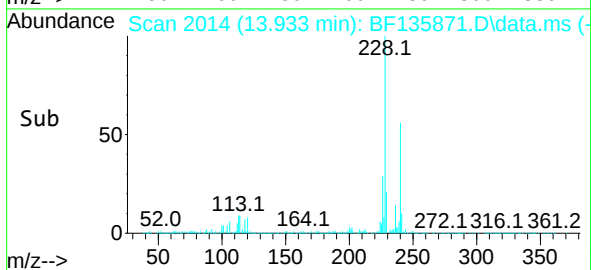
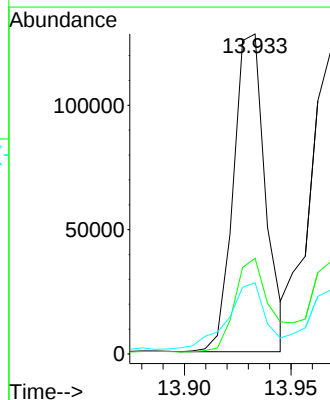
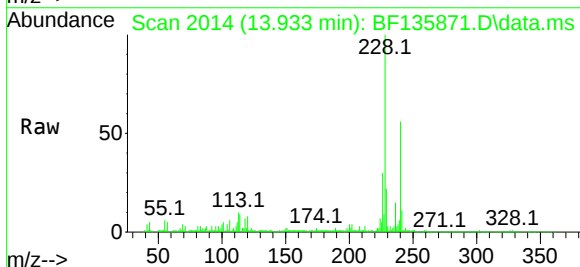
Manual Integrations
 APPROVED

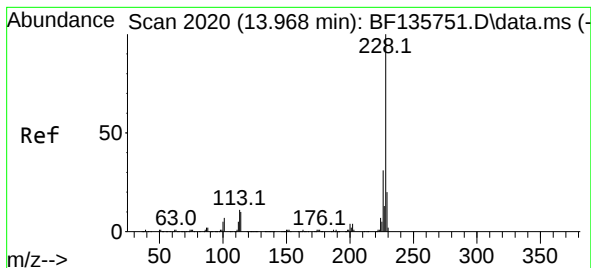
Reviewed By :Yogesh Patel 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023



#81
 Benzo(a)anthracene
 Concen: 13.691 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135871.D
 Acq: 19 Oct 2023 03:29

Tgt Ion:228 Resp: 133475
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.2 33.2
 229 22.3 16.1 24.1





#83

Chrysene

Concen: 12.949 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:228 Resp: 122275

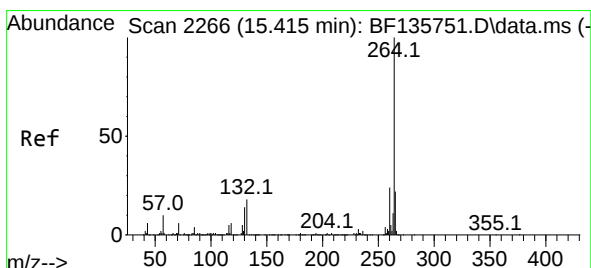
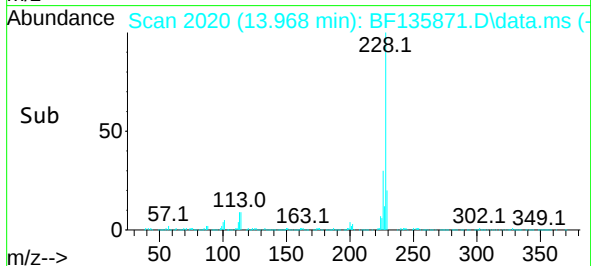
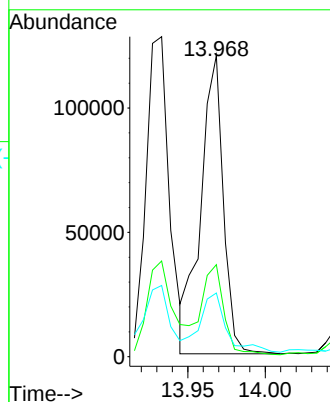
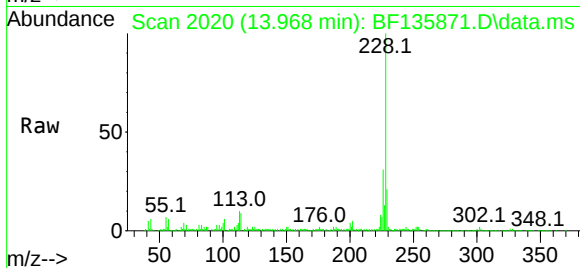
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.4	36.6
229	21.2	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/19/2023

Supervised By :mohammad ahmed 10/20/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

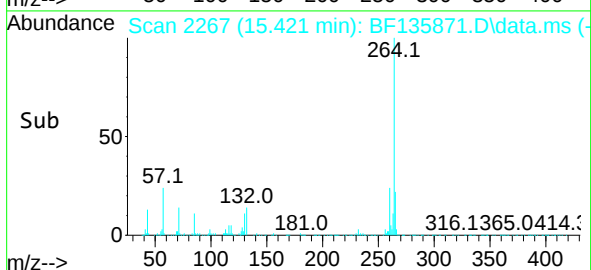
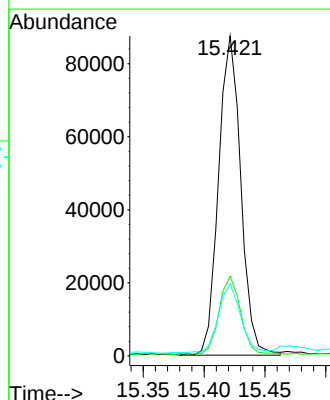
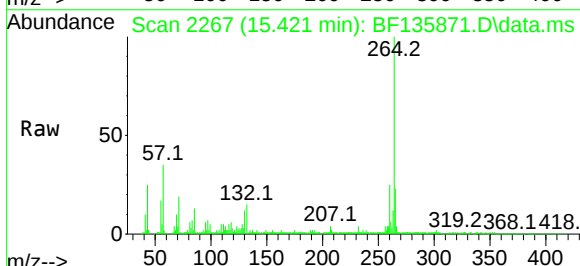
Delta R.T. -0.000 min

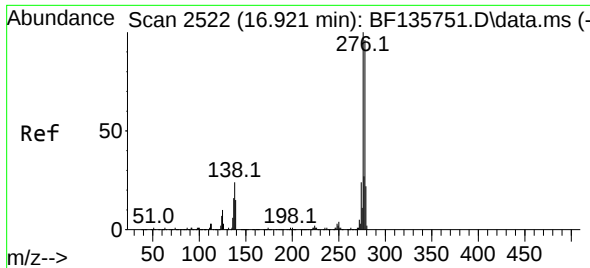
Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

Tgt Ion:264 Resp: 111216

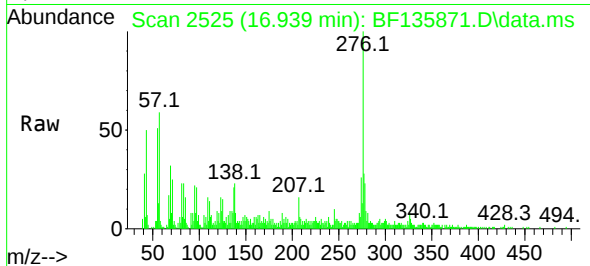
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	22.5	17.4	26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.938 ng
RT: 16.939 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

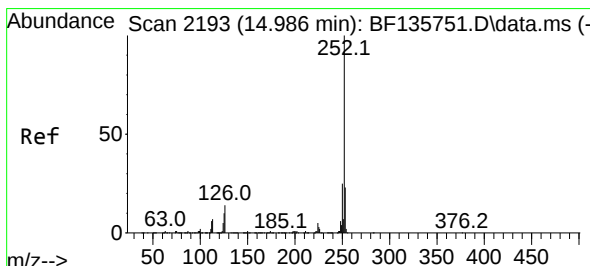
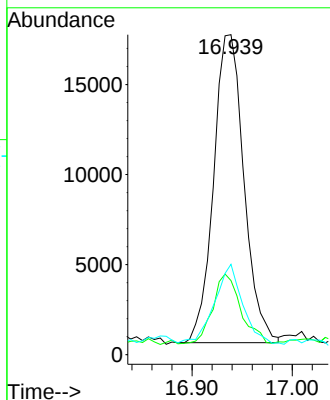
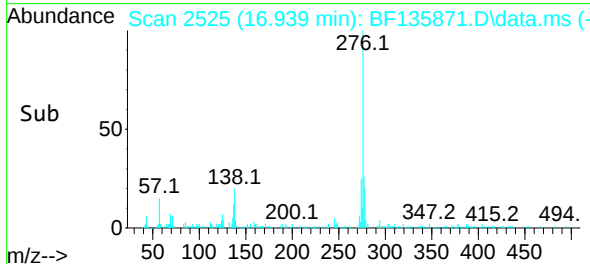
Instrument :
BNA_F
ClientSampleId :
WC-1



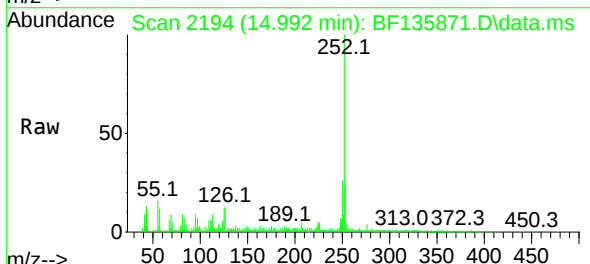
Tgt Ion:276 Resp: 3598
Ion Ratio Lower Upper
276 100
138 21.4 19.8 29.6
277 24.4 20.2 30.4

Manual Integrations
APPROVED

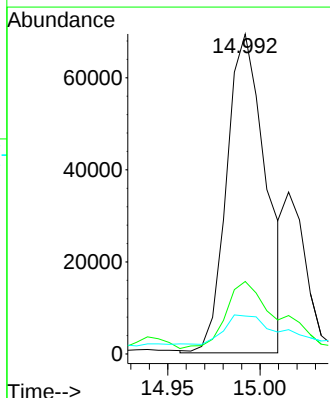
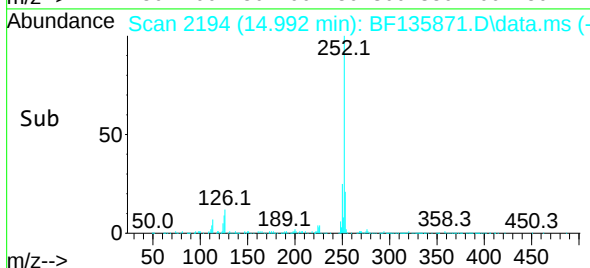
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

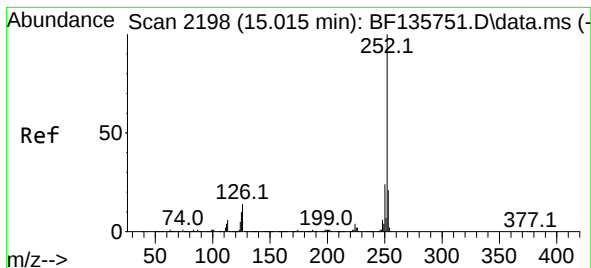


#88
Benzo(b)fluoranthene
Concen: 16.376 ng m
RT: 14.992 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29



Tgt Ion:252 Resp: 101929
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 11.9 8.2 12.2





#89

Benzo(k)fluoranthene

Concen: 5.022 ng m

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

Instrument :

BNA_F

ClientSampleId :

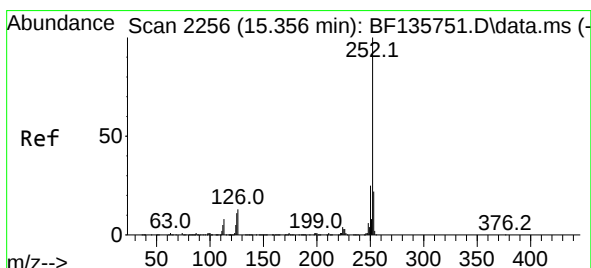
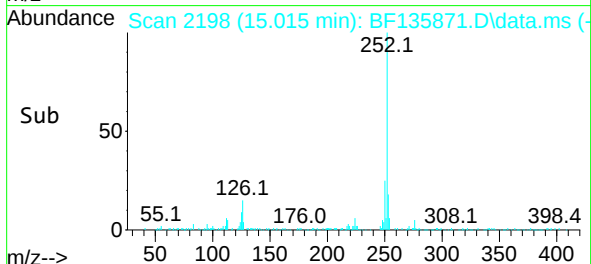
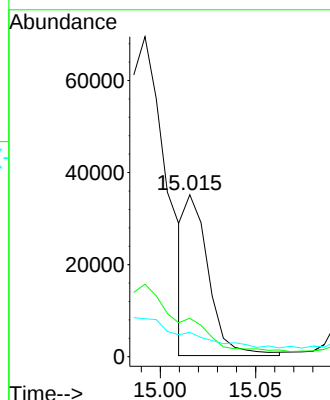
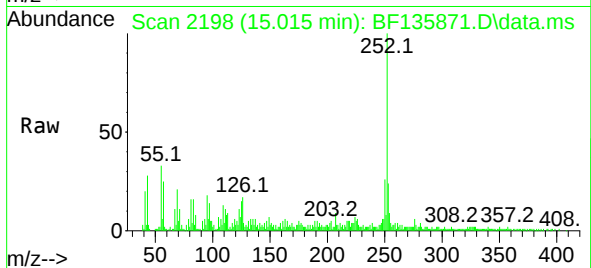
WC-1

Tgt Ion:252 Resp: 30345
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.4 26.0
 125 15.1 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023



#90

Benzo(a)pyrene

Concen: 12.085 ng

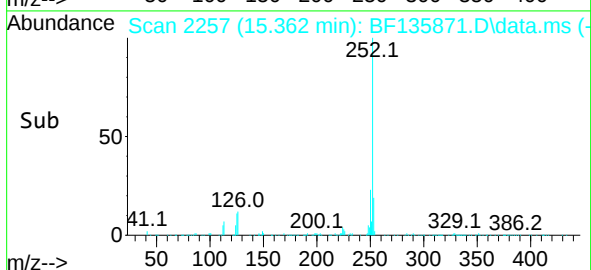
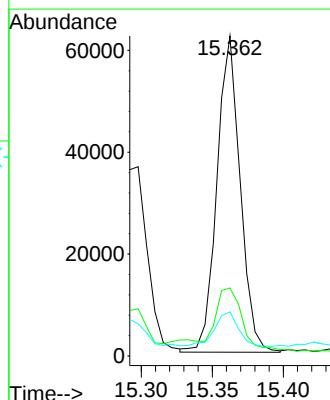
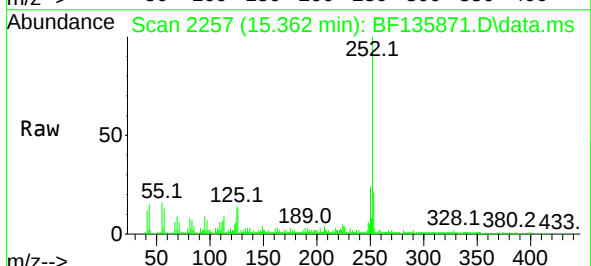
RT: 15.362 min Scan# 2257

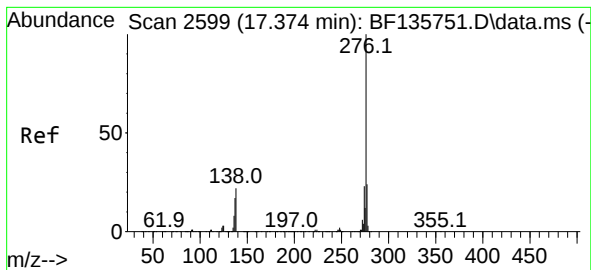
Delta R.T. -0.000 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

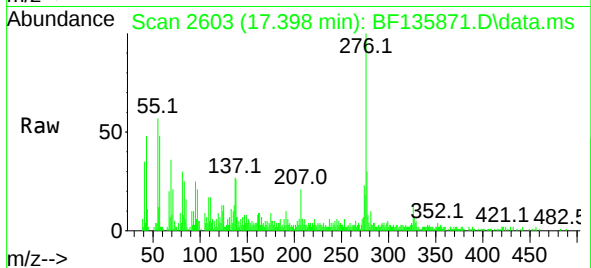
Tgt Ion:252 Resp: 70734
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.4 26.2
 125 13.8 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 6.875 ng
 RT: 17.398 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF135871.D
 Acq: 19 Oct 2023 03:29

Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion: 276 Resp: 3508
 Ion Ratio Lower Upper
 276 100
 277 30.2 19.4 29.2
 138 33.2 17.3 25.9

Manual Integrations
 APPROVED

Reviewed By : Yogesh Patel 10/19/2023
 Supervised By : mohammad ahmed 10/20/2023

