

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102023\
 Data File : BF135909.D
 Acq On : 20 Oct 2023 15:35
 Operator : CG\JU
 Sample : 04937-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CON-FENCE-POST

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2023
 Supervised By :mohammad ahmed 10/21/2023

Quant Time: Oct 20 16:00:37 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	6.734	152	58519	20.000	ng	-0.01
21) Naphthalene-d8	8.010	136	204639	20.000	ng	-0.01
39) Acenaphthene-d10	9.769	164	103184	20.000	ng	-0.02
64) Phenanthrene-d10	11.269	188	203537	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	119548	20.000	ng	-0.02
86) Perylene-d12	15.410	264	116779	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	302466	83.100	ng	0.00
7) Phenol-d6	6.387	99	400136	88.107	ng	-0.01
23) Nitrobenzene-d5	7.298	82	259816	69.829	ng	-0.02
42) 2,4,6-Tribromophenol	10.569	330	63045	63.673	ng	-0.02
45) 2-Fluorobiphenyl	9.092	172	448669	67.985	ng	-0.01
79) Terphenyl-d14	12.863	244	482795	74.790	ng	-0.02
Target Compounds					Qvalue	
31) Naphthalene	8.034	128	65932	6.605	ng	100
37) 2-Methylnaphthalene	8.728	142	42674	6.489	ng	100
38) 1-Methylnaphthalene	8.828	142	31433	5.182	ng	98
71) Phenanthrene	11.292	178	166889	17.116	ng	99
75) Fluoranthene	12.492	202	106989	9.887	ng	97
78) Pyrene	12.721	202	184274	19.397	ng	99
81) Benzo(a)anthracene	13.921	228	46203	5.884	ng	99
83) Chrysene	13.963	228	58283	7.663	ng	99
87) Indeno(1,2,3-cd)pyrene	16.921	276	16120	2.533	ng	97
88) Benzo(b)fluoranthene	14.986	252	31201m	4.774	ng	
90) Benzo(a)pyrene	15.351	252	26661	4.338	ng	96
92) Benzo(g,h,i)perylene	17.380	276	18330	3.421	ng	97

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

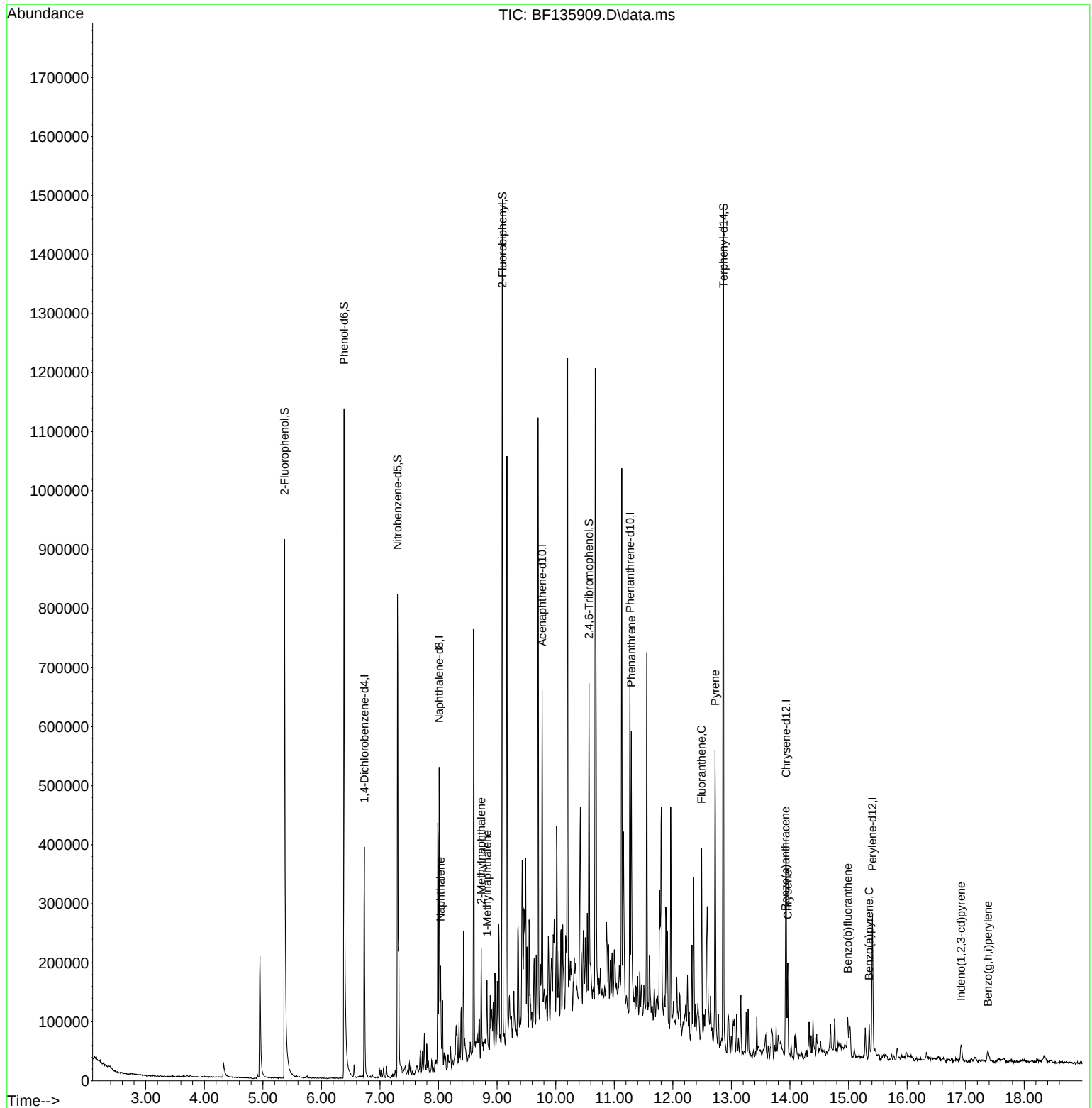
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102023\
Data File : BF135909.D
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Misc :
ALS Vial : 7 Sample Multiplier: 1

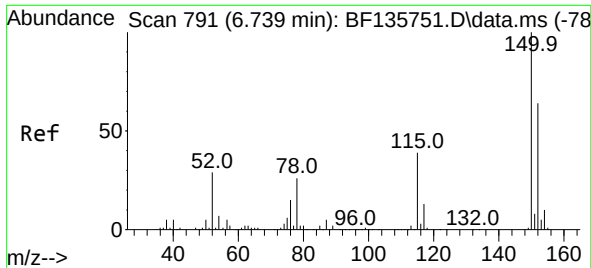
Instrument :
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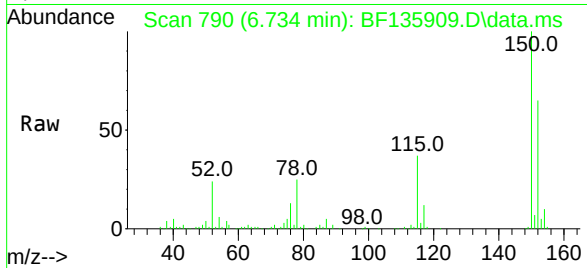
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

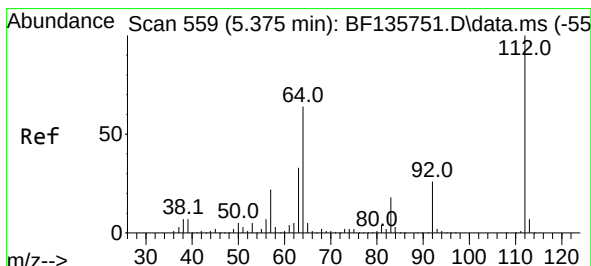
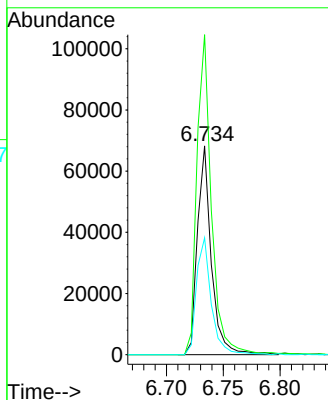
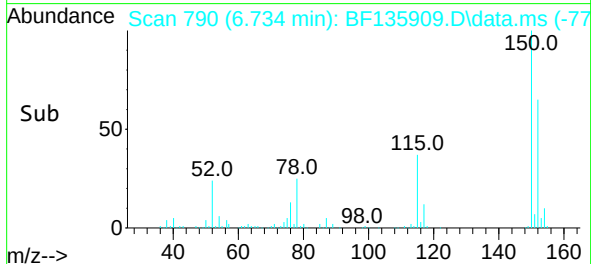
Instrument :
BNA_F
ClientSampleId :
CON-FENCE-POST



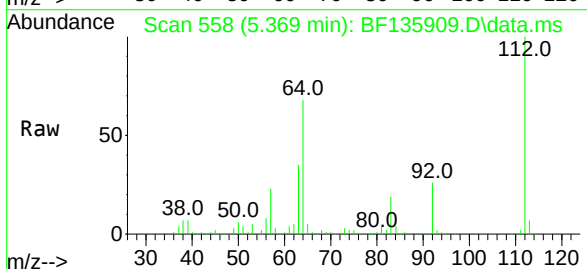
Tgt Ion:152 Resp: 58519
Ion Ratio Lower Upper
152 100
150 153.2 124.5 186.7
115 56.0 49.0 73.4

Manual Integrations
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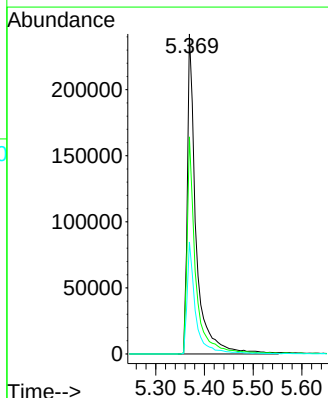
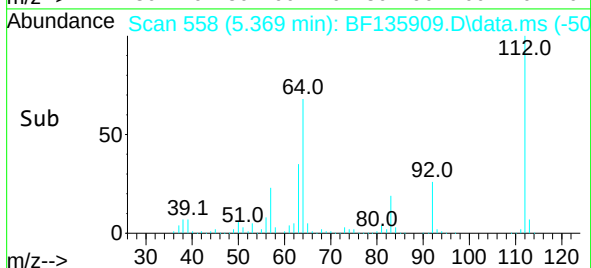
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023

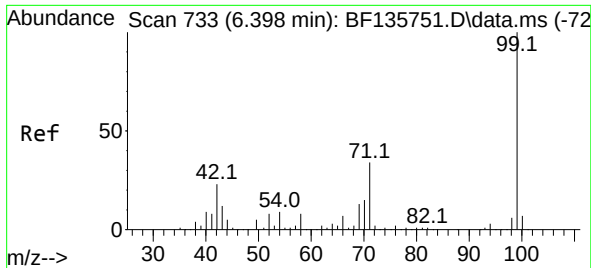


#5
2-Fluorophenol
Concen: 83.100 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35



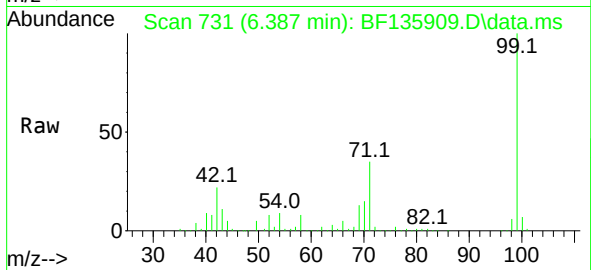
Tgt Ion:112 Resp: 302466
Ion Ratio Lower Upper
112 100
64 67.8 51.2 76.8
63 35.0 26.1 39.1





#7
Phenol-d6
Concen: 88.107 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

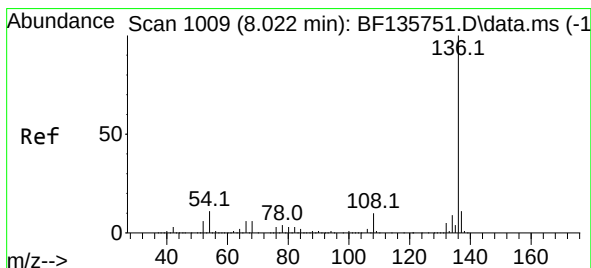
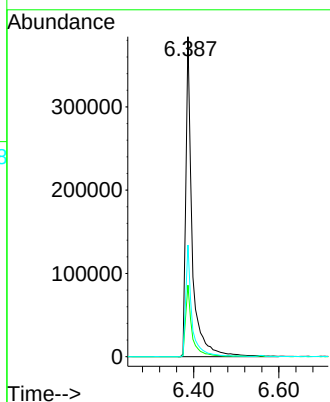
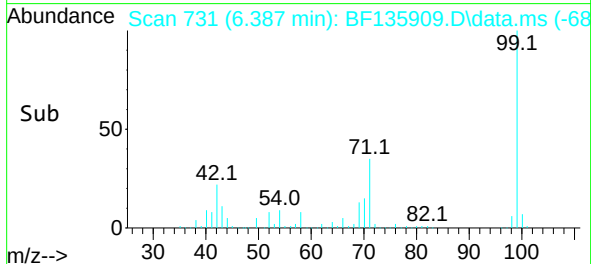
Instrument :
BNA_F
ClientSampleId :
CON-FENCE-POST



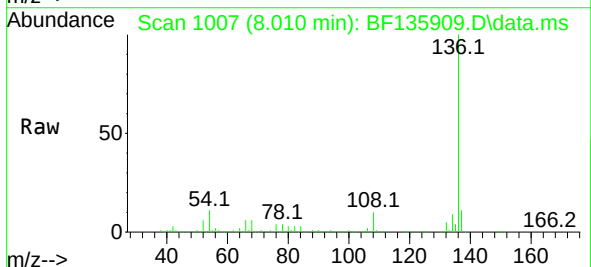
Tgt Ion: 99 Resp: 400130
Ion Ratio Lower Upper
99 100
42 22.3 18.4 27.6
71 34.9 27.2 40.8

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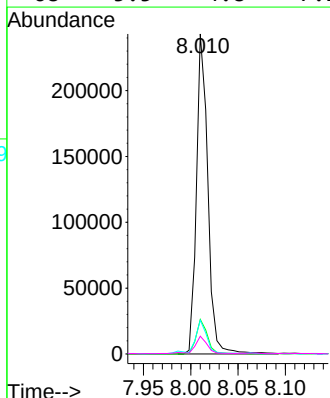
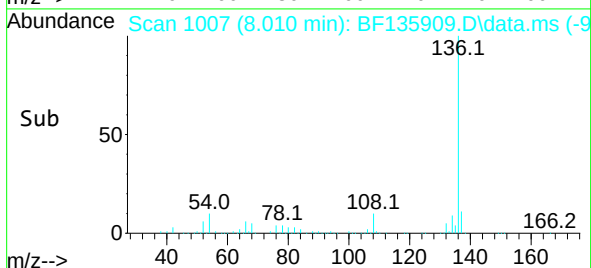
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023

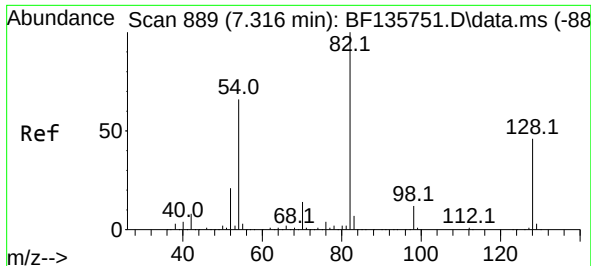


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35



Tgt Ion:136 Resp: 204639
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 10.6 8.5 12.7
68 5.5 4.8 7.2





#23

Nitrobenzene-d5

Concen: 69.829 ng

RT: 7.298 min Scan# 889

Delta R.T. -0.018 min

Lab File: BF135909.D

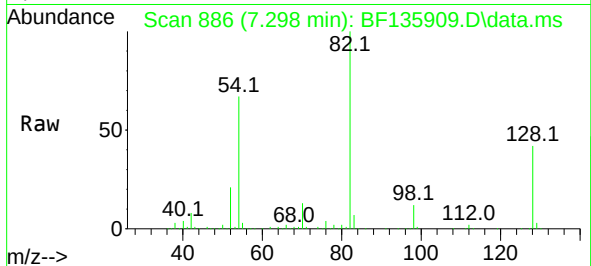
Acq: 20 Oct 2023 15:35

Instrument :

BNA_F

ClientSampleId :

CON-FENCE-POST



Tgt Ion: 82 Resp: 259810

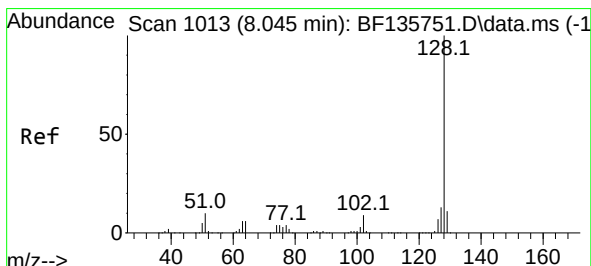
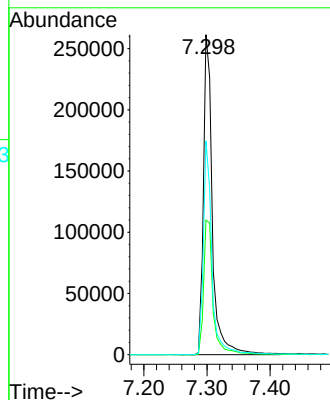
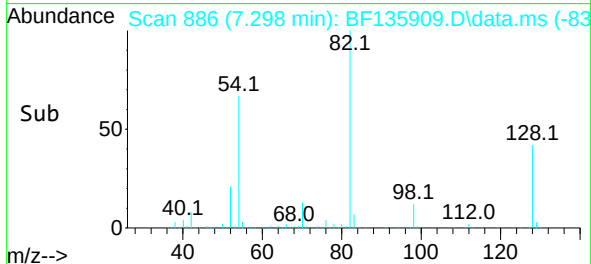
Ion	Ratio	Lower	Upper
82	100		
128	42.0	37.0	55.6
54	66.8	52.8	79.2

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Supervised By :mohammad ahmed 10/21/2023



#31

Naphthalene

Concen: 6.605 ng

RT: 8.034 min Scan# 1011

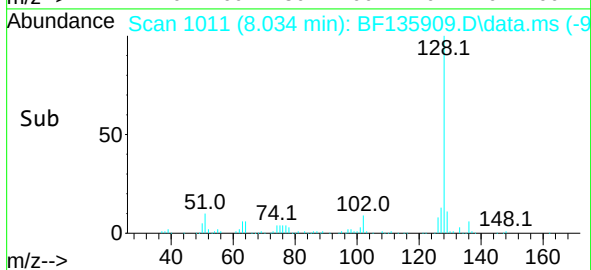
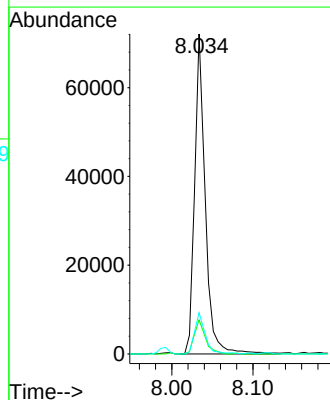
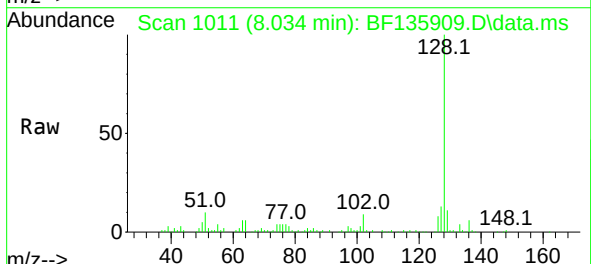
Delta R.T. -0.012 min

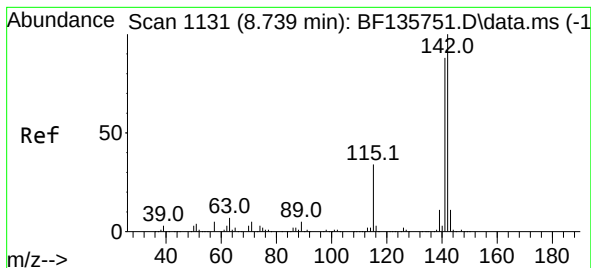
Lab File: BF135909.D

Acq: 20 Oct 2023 15:35

Tgt Ion:128 Resp: 65932

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	12.9	10.2	15.4





#37

2-Methylnaphthalene

Concen: 6.489 ng

RT: 8.728 min Scan# 1129

Delta R.T. -0.012 min

Lab File: BF135909.D

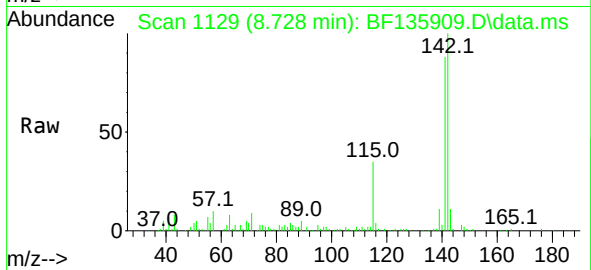
Acq: 20 Oct 2023 15:35

Instrument :

BNA_F

ClientSampleId :

CON-FENCE-POST



Tgt Ion:142 Resp: 42674

Ion Ratio Lower Upper

142 100

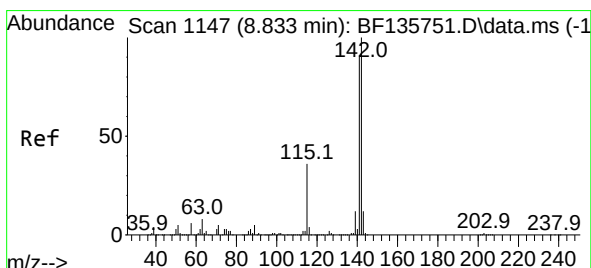
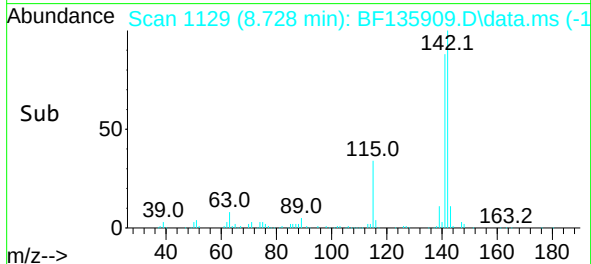
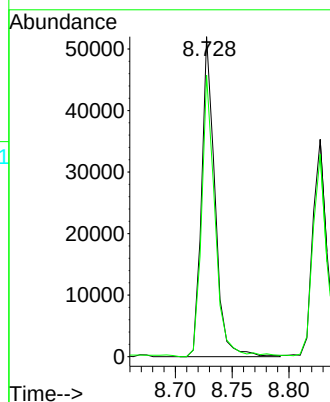
141 88.0 70.6 105.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2023

Supervised By :mohammad ahmed 10/21/2023



#38

1-Methylnaphthalene

Concen: 5.182 ng

RT: 8.828 min Scan# 1146

Delta R.T. -0.012 min

Lab File: BF135909.D

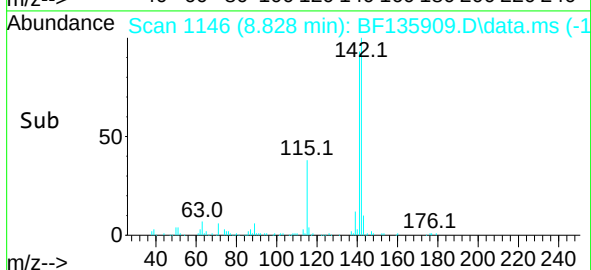
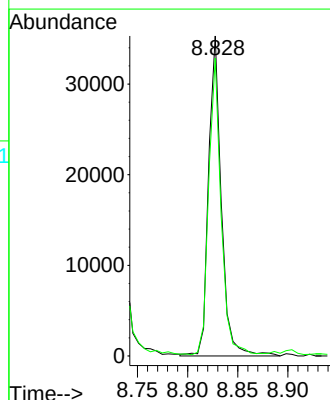
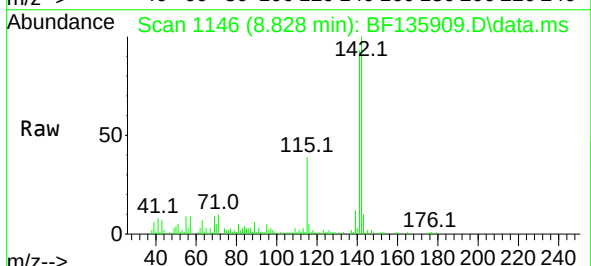
Acq: 20 Oct 2023 15:35

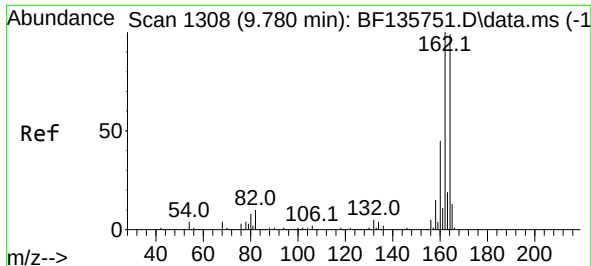
Tgt Ion:142 Resp: 31433

Ion Ratio Lower Upper

142 100

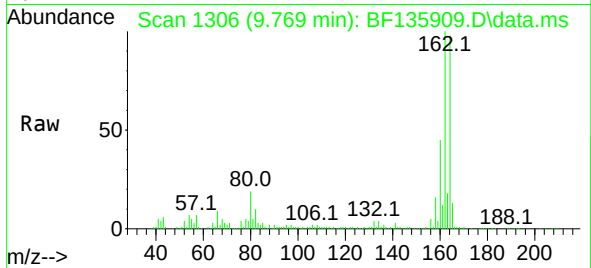
141 93.1 72.7 109.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

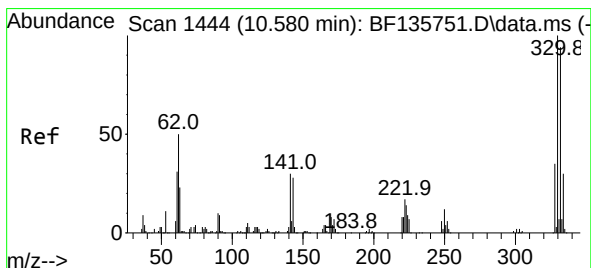
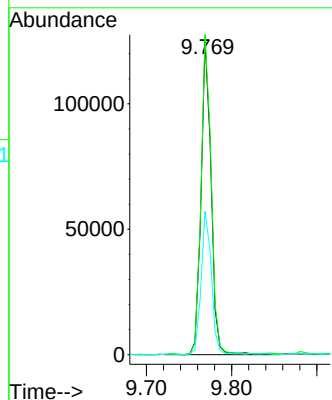
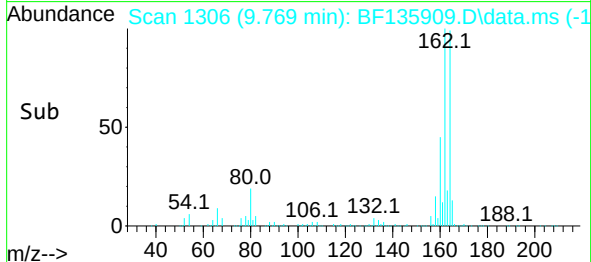
Instrument :
BNA_F
ClientSampleId :
CON-FENCE-POST



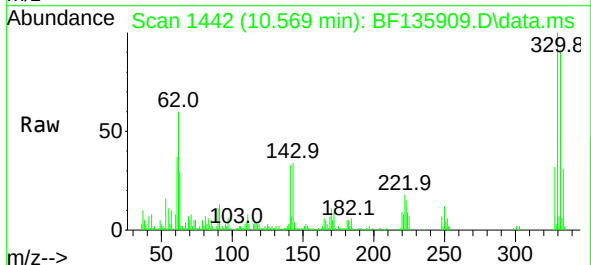
Tgt Ion:164 Resp: 103184
Ion Ratio Lower Upper
164 100
162 101.9 80.8 121.2
160 45.7 36.6 54.8

Manual Integrations
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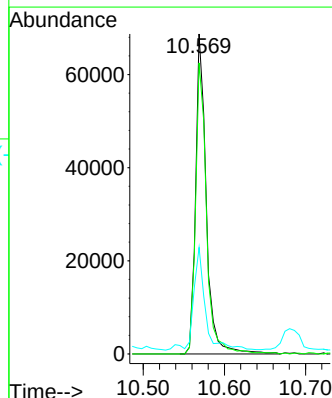
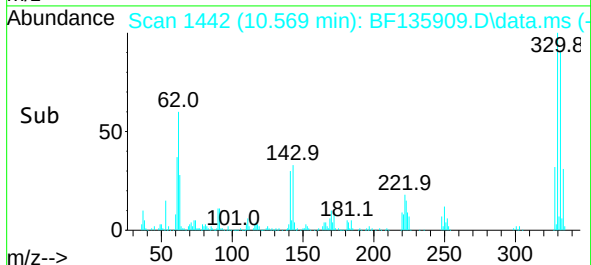
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023

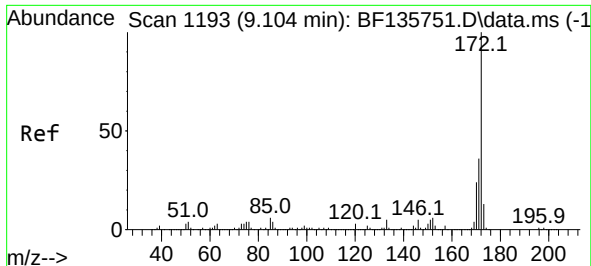


#42
2,4,6-Tribromophenol
Concen: 63.673 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.018 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35



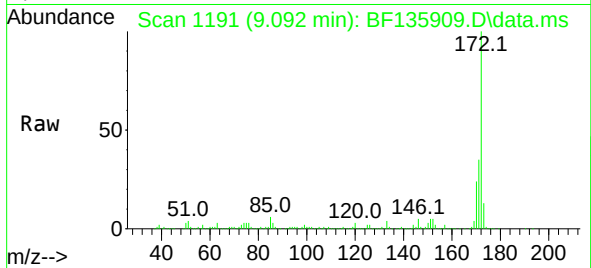
Tgt Ion:330 Resp: 63045
Ion Ratio Lower Upper
330 100
332 92.8 75.0 112.4
141 35.5 25.8 38.6





#45
2-Fluorobiphenyl
Concen: 67.985 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

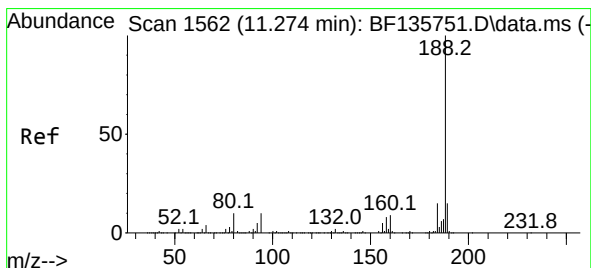
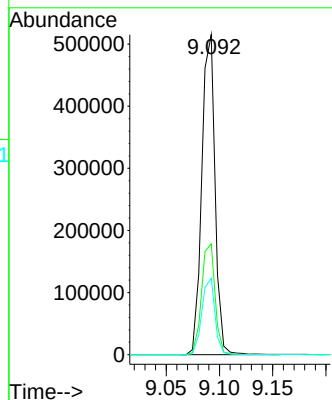
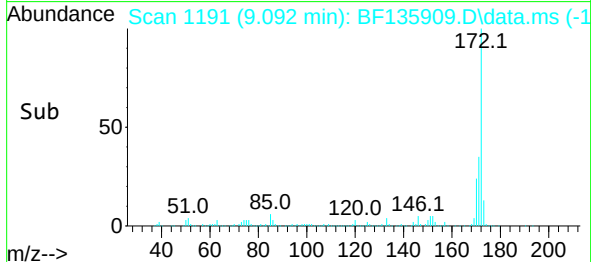
Instrument :
BNA_F
ClientSampleId :
CON-FENCE-POST



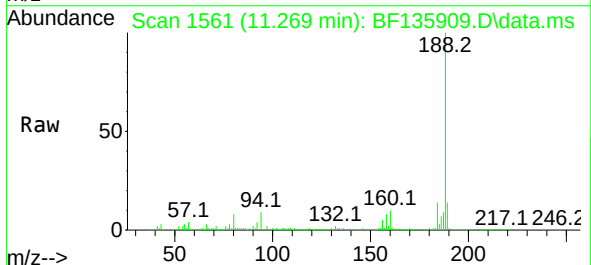
Tgt Ion:172 Resp: 448669
Ion Ratio Lower Upper
172 100
171 34.7 28.4 42.6
170 23.9 18.8 28.2

Manual Integrations
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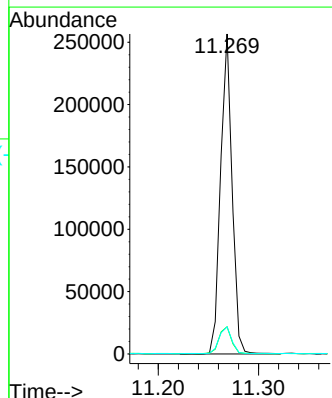
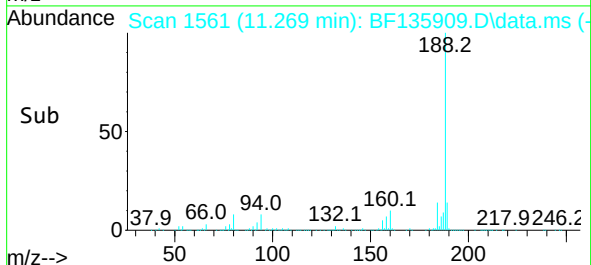
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023

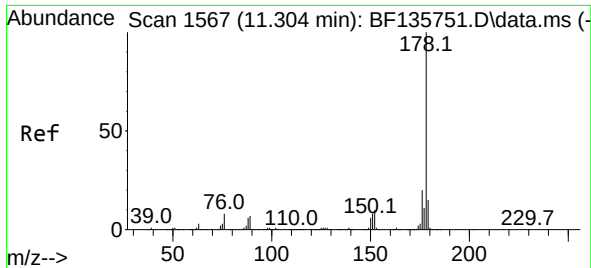


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35



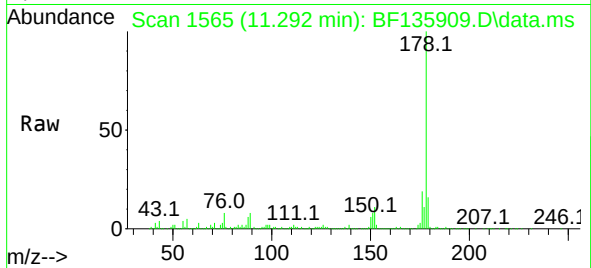
Tgt Ion:188 Resp: 203537
Ion Ratio Lower Upper
188 100
94 8.5 8.0 12.0
80 8.5 8.3 12.5





#71
Phenanthrene
Concen: 17.116 ng
RT: 11.292 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

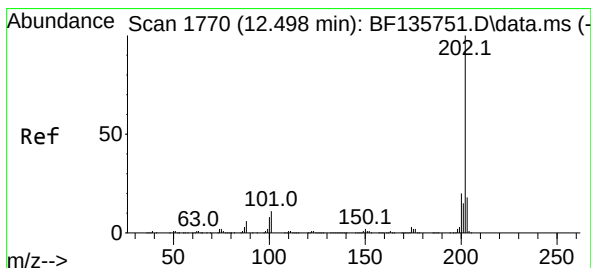
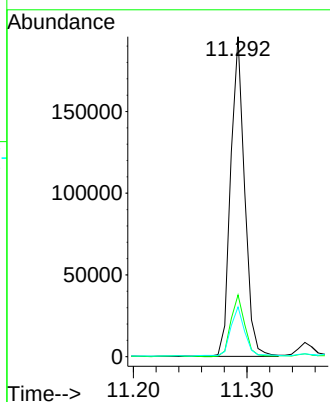
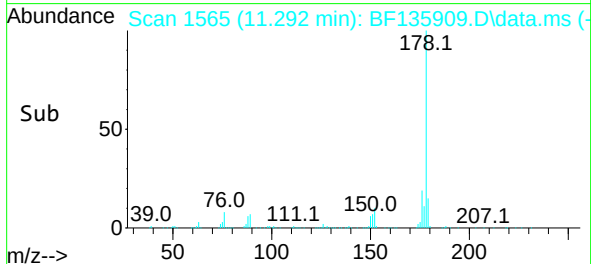
Instrument :
BNA_F
ClientSampleId :
CON-FENCE-POST



Tgt Ion:178 Resp: 166889
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.5 12.2 18.4

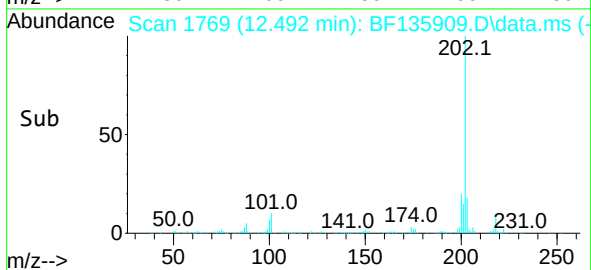
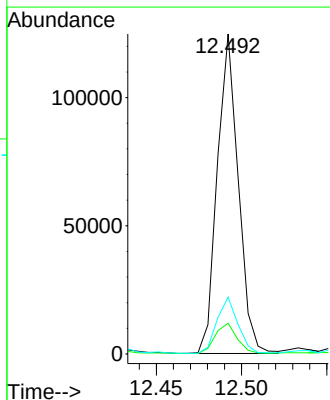
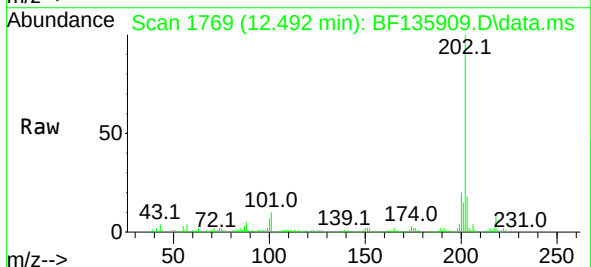
Manual Integrations
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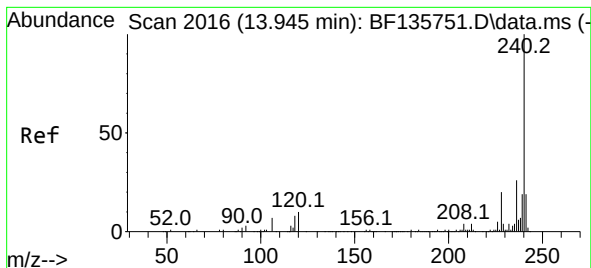
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#75
Fluoranthene
Concen: 9.887 ng
RT: 12.492 min Scan# 1769
Delta R.T. -0.012 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

Tgt Ion:202 Resp: 106989
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.5
203 17.7 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2016

Delta R.T. -0.018 min

Lab File: BF135909.D

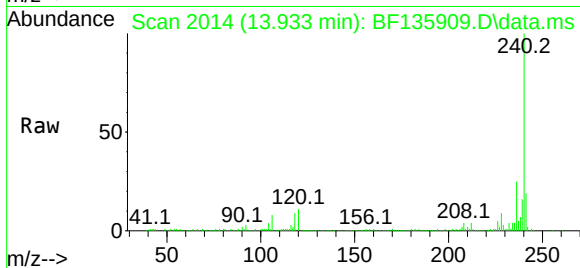
Acq: 20 Oct 2023 15:35

Instrument :

BNA_F

ClientSampleId :

CON-FENCE-POST



Tgt Ion:240 Resp: 119548

Ion Ratio Lower Upper

240 100

120 10.8 8.2 12.2

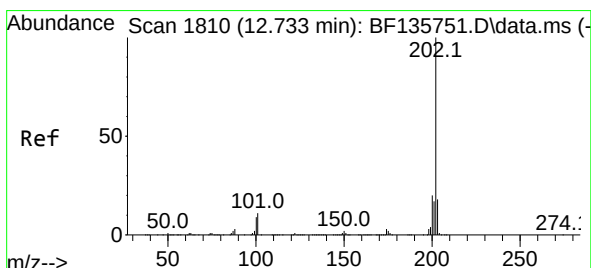
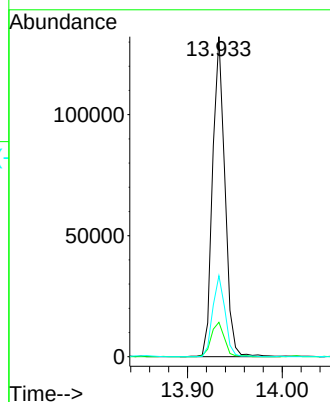
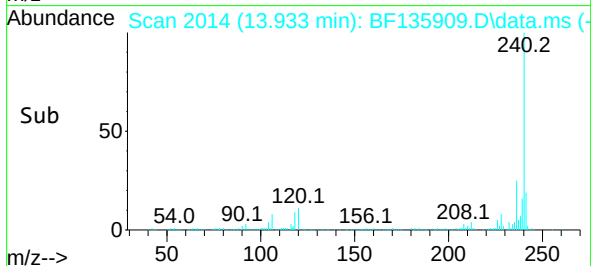
236 25.3 21.2 31.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2023

Supervised By :mohammad ahmed 10/21/2023



#78

Pyrene

Concen: 19.397 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.012 min

Lab File: BF135909.D

Acq: 20 Oct 2023 15:35

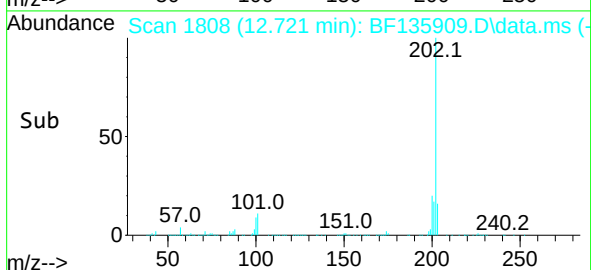
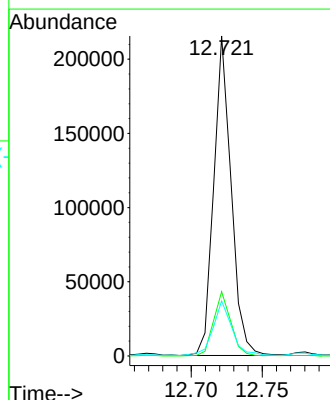
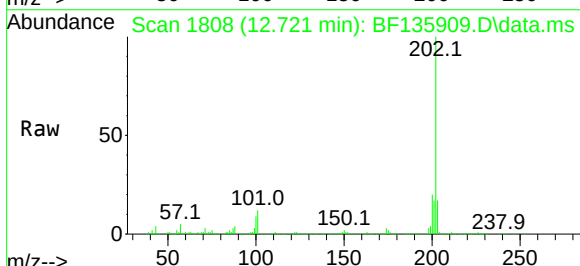
Tgt Ion:202 Resp: 184274

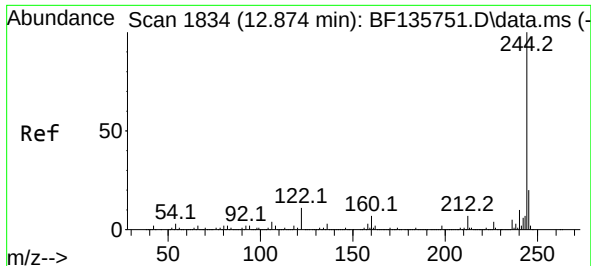
Ion Ratio Lower Upper

202 100

200 20.1 16.1 24.1

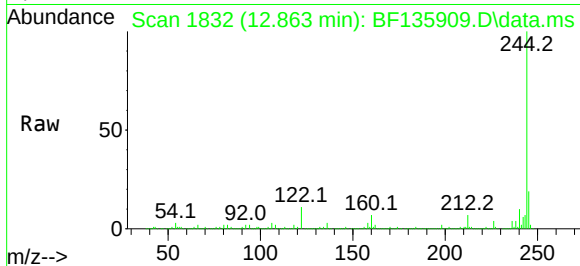
203 17.2 14.2 21.2





#79
 Terphenyl-d14
 Concen: 74.790 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF135909.D
 Acq: 20 Oct 2023 15:35

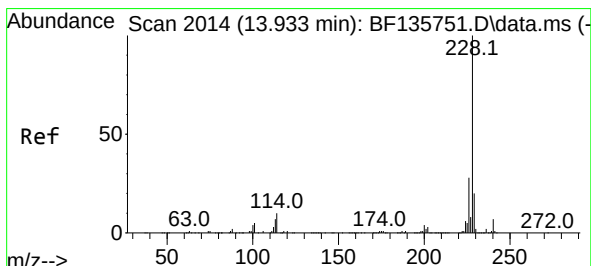
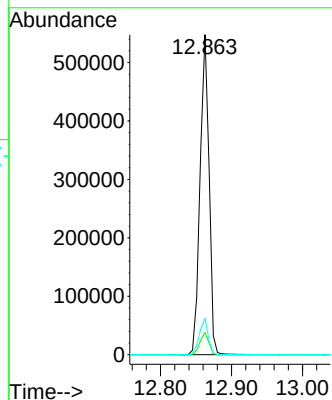
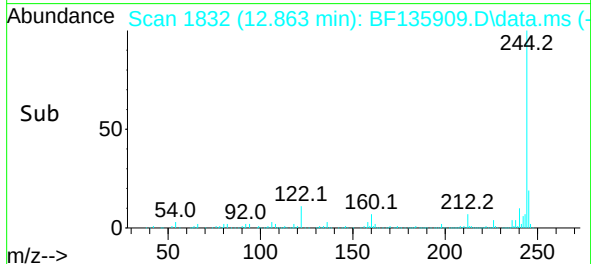
Instrument :
 BNA_F
 ClientSampleId :
 CON-FENCE-POST



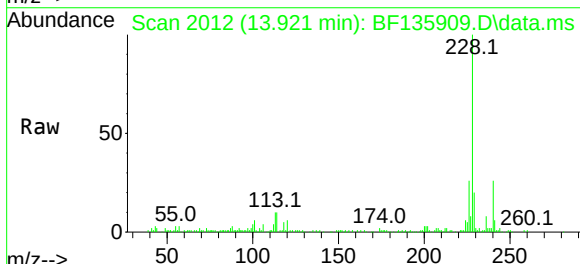
Tgt Ion:244 Resp: 482795
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.3 9.0 13.6

Manual Integrations
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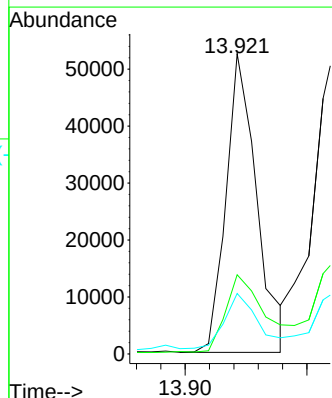
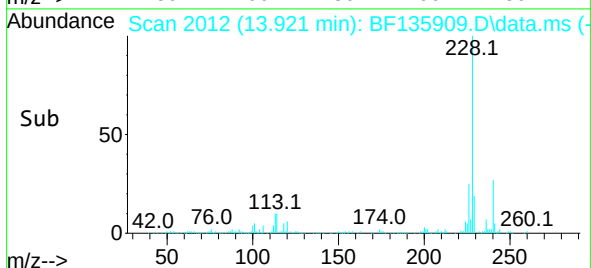
Reviewed By :Yogesh Patel 10/21/2023
 Supervised By :mohammad ahmed 10/21/2023

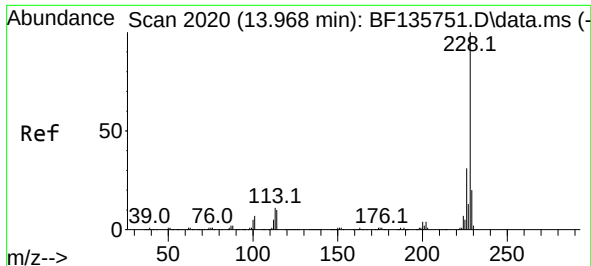


#81
 Benzo(a)anthracene
 Concen: 5.884 ng
 RT: 13.921 min Scan# 2012
 Delta R.T. -0.018 min
 Lab File: BF135909.D
 Acq: 20 Oct 2023 15:35



Tgt Ion:228 Resp: 46203
 Ion Ratio Lower Upper
 228 100
 226 26.4 22.2 33.2
 229 20.1 16.1 24.1





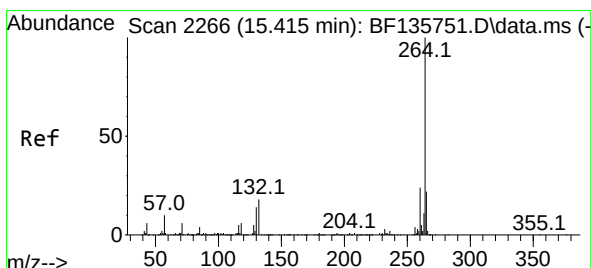
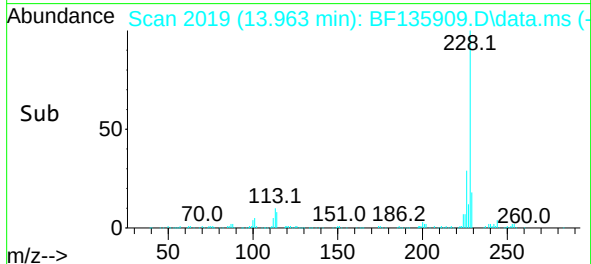
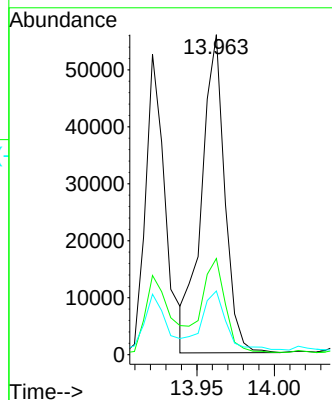
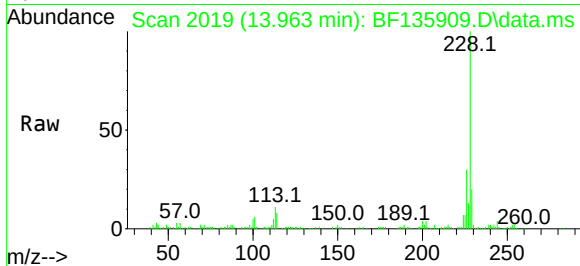
#83
Chrysene
Concen: 7.663 ng
RT: 13.963 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

Instrument :
BNA_F
ClientSampleId :
CON-FENCE-POST

Tgt Ion:228 Resp: 5828
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 19.9 15.7 23.5

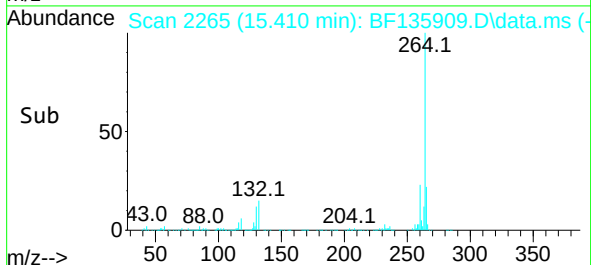
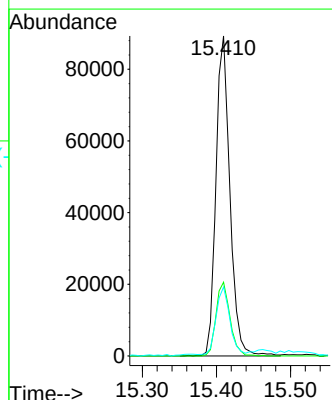
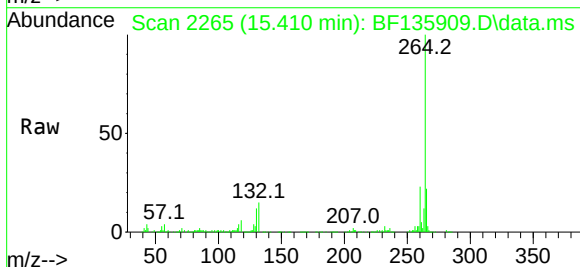
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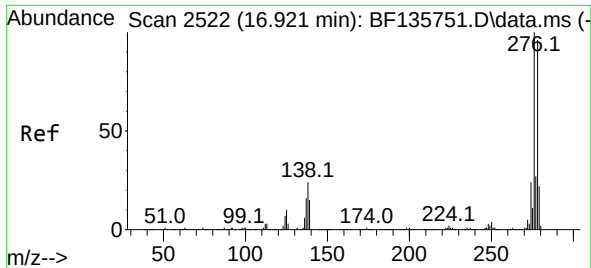
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2265
Delta R.T. -0.012 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

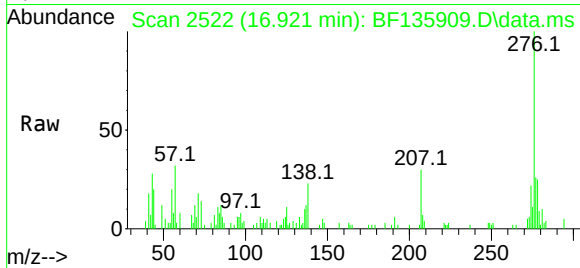
Tgt Ion:264 Resp: 116779
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 21.6 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.533 ng
RT: 16.921 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

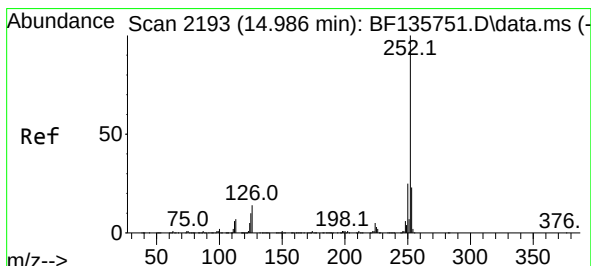
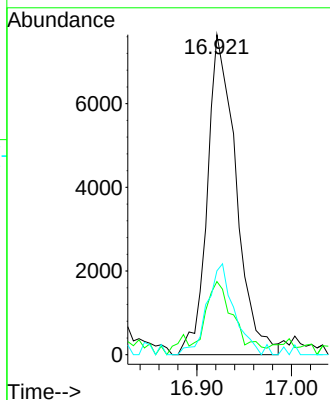
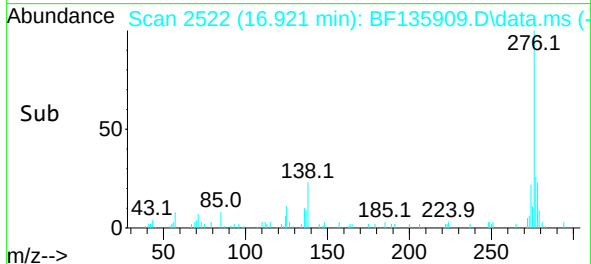
Instrument :
BNA_F
ClientSampleId :
CON-FENCE-POST



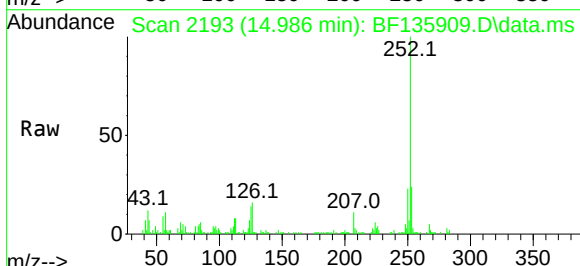
Tgt Ion: 276 Resp: 16120
Ion Ratio Lower Upper
276 100
138 22.7 19.8 29.6
277 26.3 20.2 30.4

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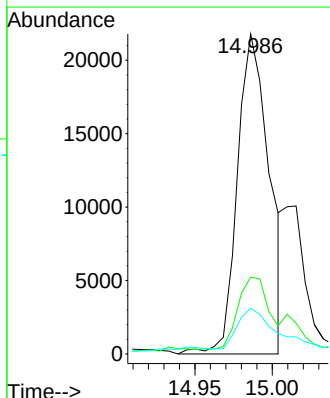
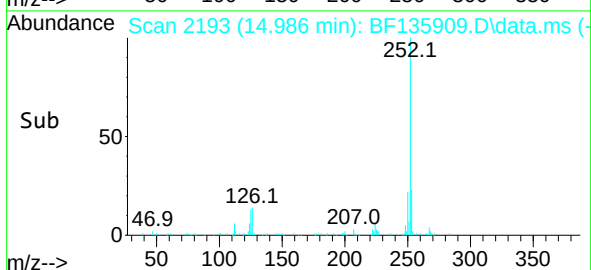
Reviewed By : Yogesh Patel 10/21/2023
Supervised By : mohammad ahmed 10/21/2023

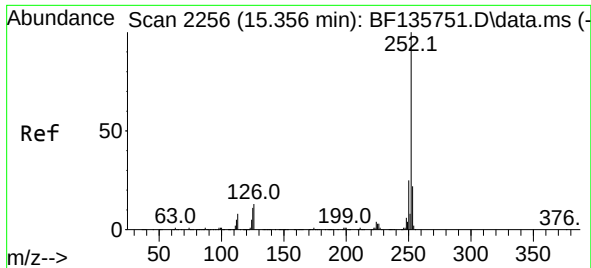


#88
Benzo(b)fluoranthene
Concen: 4.774 ng m
RT: 14.986 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35



Tgt Ion: 252 Resp: 31201
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.2
125 14.3 8.2 12.2#





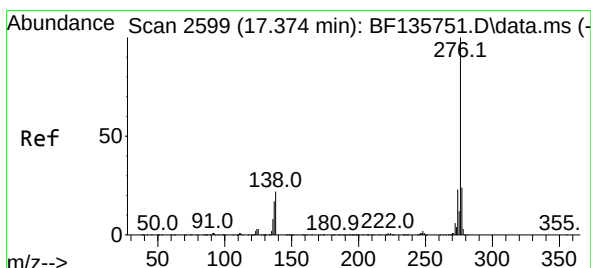
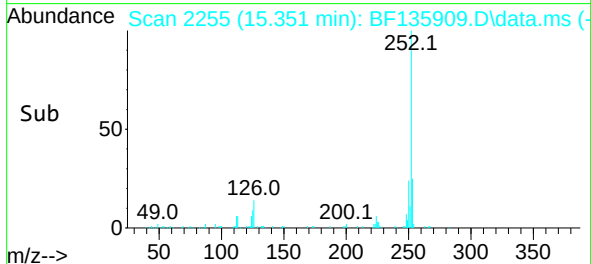
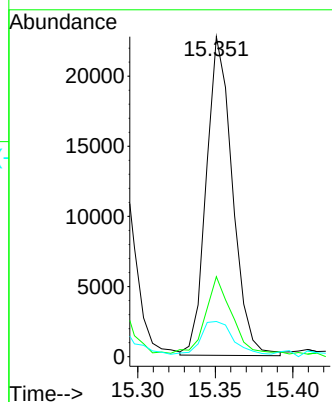
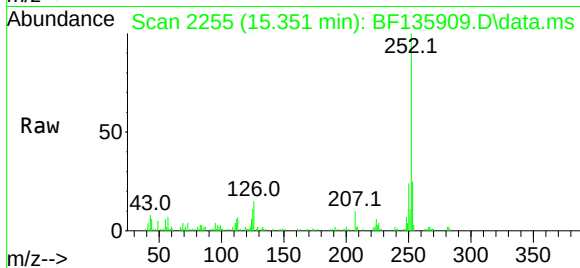
#90
Benzo(a)pyrene
Concen: 4.338 ng
RT: 15.351 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

Instrument :
BNA_F
ClientSampleId :
CON-FENCE-POST

Tgt Ion:252 Resp: 2666
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.2
125 11.0 8.8 13.2

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#92
Benzo(g,h,i)perylene
Concen: 3.421 ng
RT: 17.380 min Scan# 2600
Delta R.T. -0.006 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

Tgt Ion:276 Resp: 18330
Ion Ratio Lower Upper
276 100
277 21.9 19.4 29.2
138 21.1 17.3 25.9

