

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100522\
 Data File : BF130534.D
 Acq On : 05 Oct 2022 17:35
 Operator : CG\JU
 Sample : N4960-05 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-100322

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 10/06/2022
 Supervised By :mohammad ahmed 10/14/2022

Quant Time: Oct 06 01:12:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 06 01:07:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.633	152	71500	20.000	ng	0.00
21) Naphthalene-d8	7.916	136	249950	20.000	ng	# 0.00
39) Acenaphthene-d10	9.663	164	110658	20.000	ng	0.00
64) Phenanthrene-d10	11.145	188	181543	20.000	ng	0.00
76) Chrysene-d12	13.780	240	188993	20.000	ng	0.00
86) Perylene-d12	15.168	264	145103	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.234	112	79870	19.375	ng	0.00
7) Phenol-d6	6.275	99	91499	17.739	ng	0.00
23) Nitrobenzene-d5	7.198	82	57496	11.752	ng	0.00
42) 2,4,6-Tribromophenol	10.451	330	17523	16.526	ng	0.00
45) 2-Fluorobiphenyl	8.986	172	101374	13.340	ng	0.00
79) Terphenyl-d14	12.727	244	112980	9.903	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.169	178	106638	10.462	ng	99
72) Anthracene	11.221	178	28692	2.917	ng	99
74) Di-n-butylphthalate	11.716	149	27310	2.551	ng	98
75) Fluoranthene	12.357	202	251524	25.538	ng	96
78) Pyrene	12.580	202	265988	16.088	ng	99
81) Benzo(a)anthracene	13.768	228	154070	12.254	ng	99
83) Chrysene	13.804	228	144611m	12.114	ng	
87) Indeno(1,2,3-cd)pyrene	16.480	276	45581	4.430	ng	96
88) Benzo(b)fluoranthene	14.780	252	168634m	17.806	ng	
89) Benzo(k)fluoranthene	14.804	252	43118m	4.628	ng	
90) Benzo(a)pyrene	15.109	252	96855	12.909	ng	98
92) Benzo(g,h,i)perylene	16.880	276	44125	5.189	ng	99

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

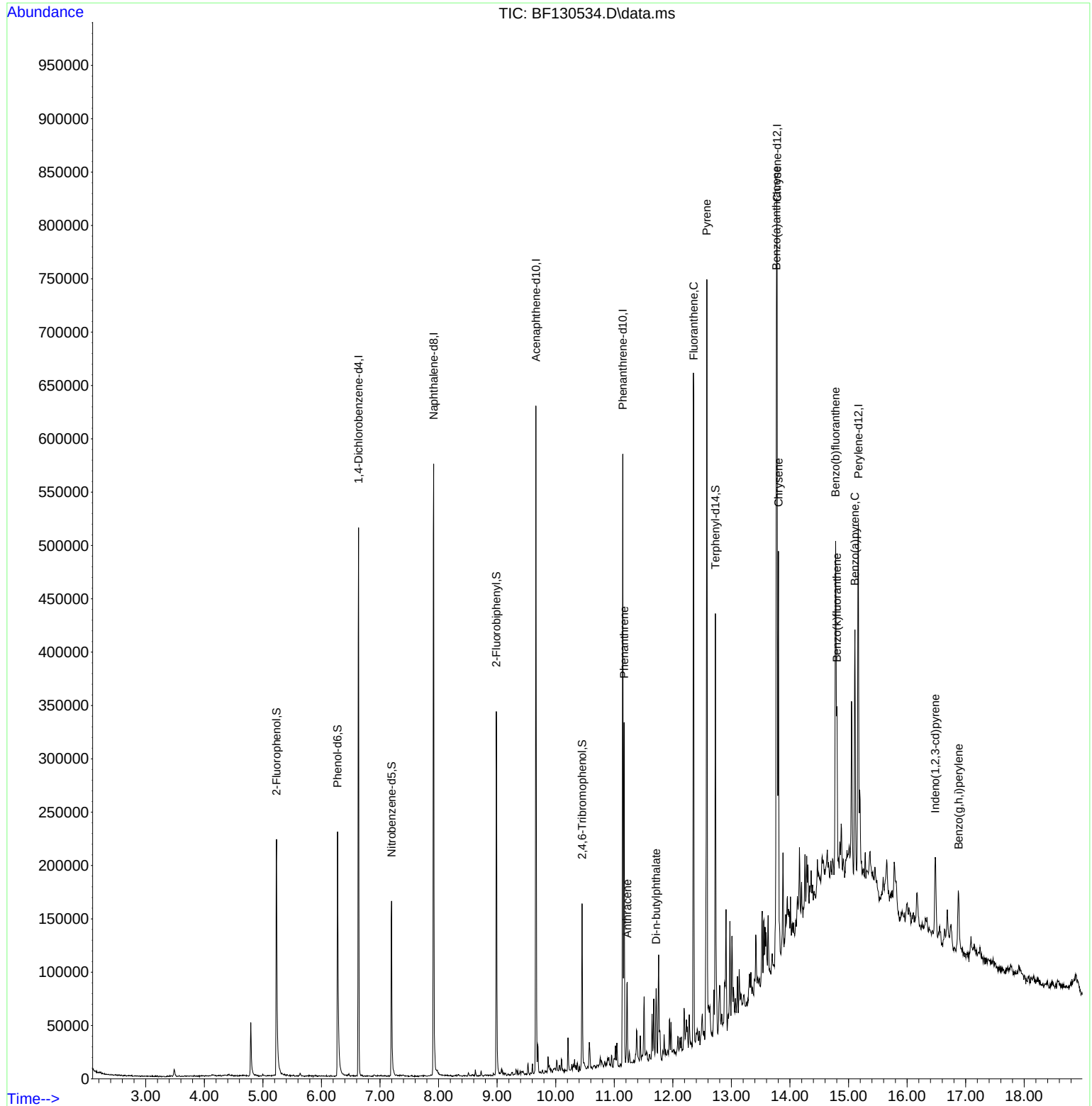
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100522\
Data File : BF130534.D
Acq On : 05 Oct 2022 17:35
Operator : CG\JU
Sample : N4960-05 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

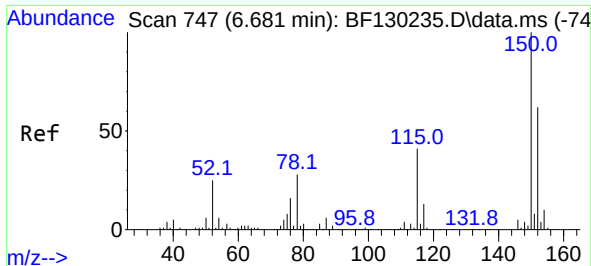
Instrument :
BNA_F
ClientSampleId :
PAT-03-100322

Quant Time: Oct 06 01:12:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
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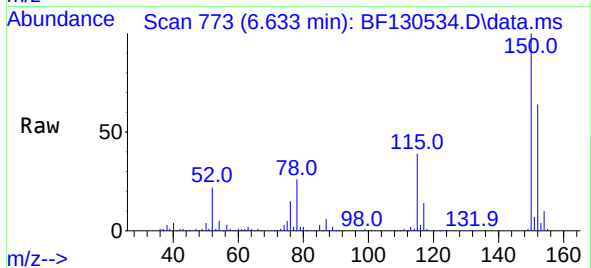
Reviewed By : Christian Giraldo 10/06/2022
Supervised By : mohammad ahmed 10/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.633 min Scan# 71
Delta R.T. -0.001 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

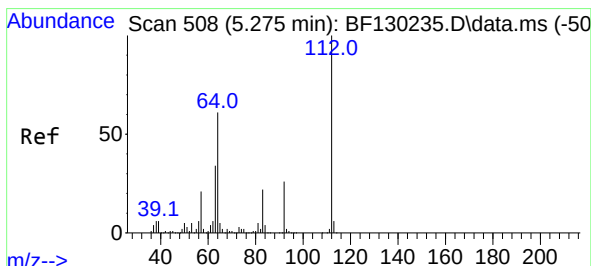
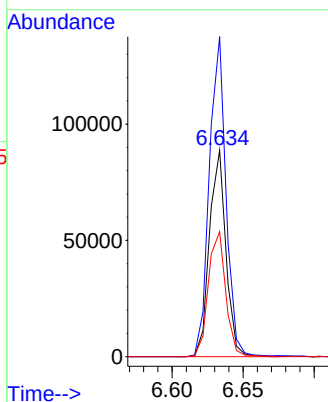
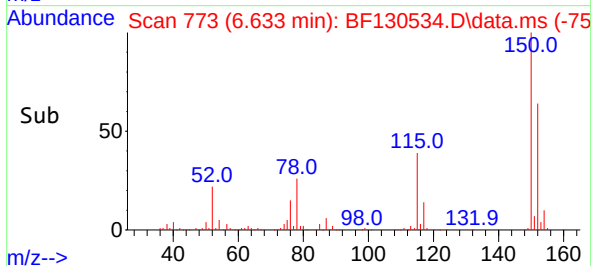
Instrument :
BNA_F
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PAT-03-100322



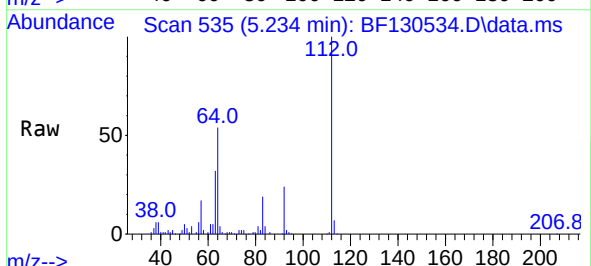
Tgt Ion:152 Resp: 71500
Ion Ratio Lower Upper
152 100
150 155.1 122.8 184.2
115 60.5 53.8 80.8

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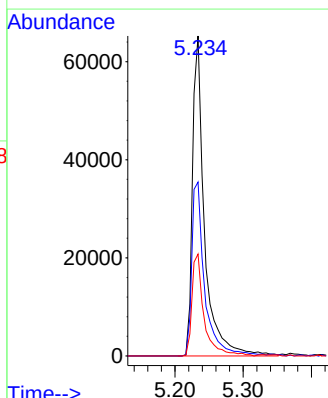
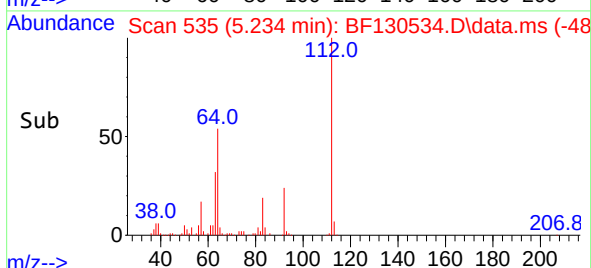
Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022

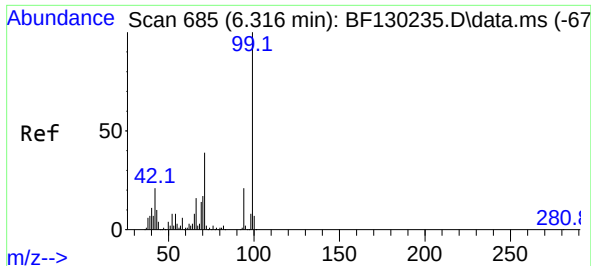


#5
2-Fluorophenol
Concen: 19.375 ng
RT: 5.234 min Scan# 535
Delta R.T. 0.006 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35



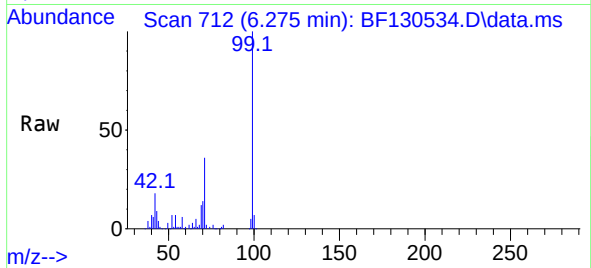
Tgt Ion:112 Resp: 79870
Ion Ratio Lower Upper
112 100
64 54.4 51.4 77.0
63 31.9 28.8 43.2





#7
Phenol-d6
Concen: 17.739 ng
RT: 6.275 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

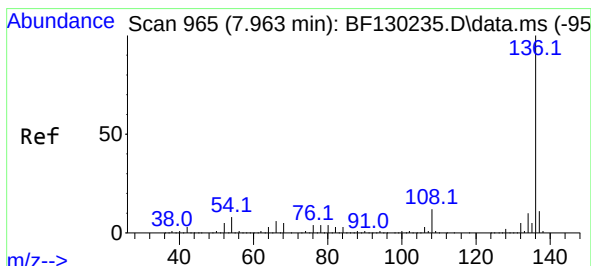
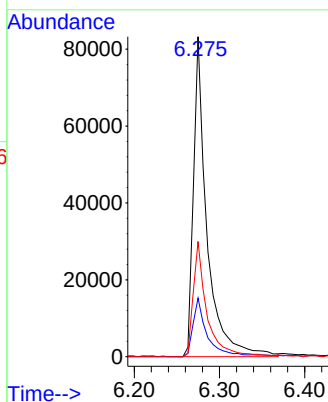
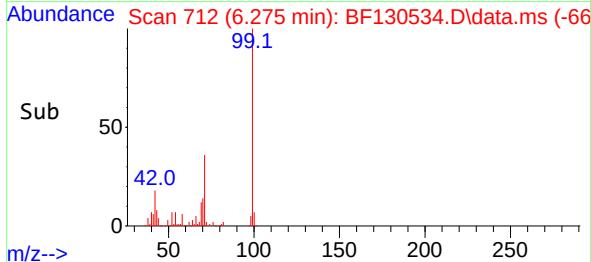
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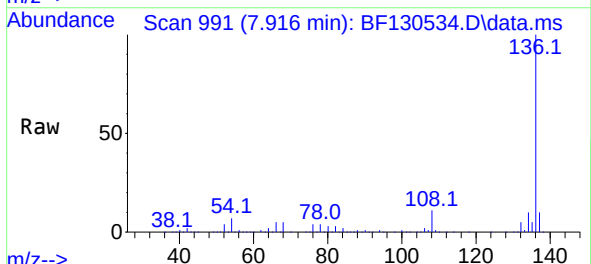
Tgt Ion: 99 Resp: 91499
Ion Ratio Lower Upper
99 100
42 18.3 17.0 25.6
71 36.0 32.3 48.5

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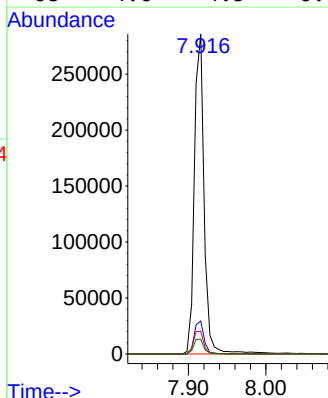
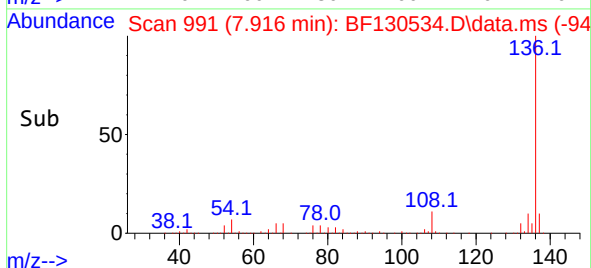
Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022

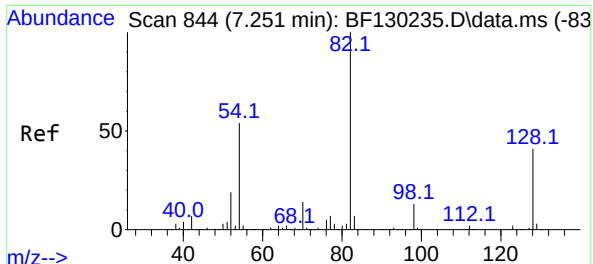


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.916 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35



Tgt Ion:136 Resp: 249950
Ion Ratio Lower Upper
136 100
137 10.3 9.1 13.7
54 7.1 7.1 10.7#
68 4.6 4.5 6.7





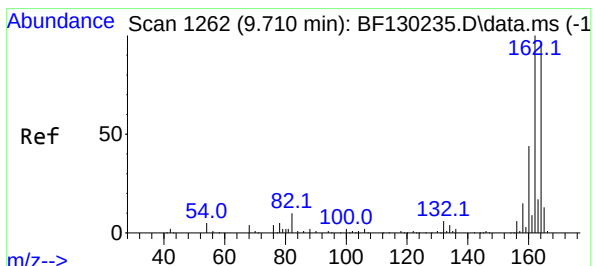
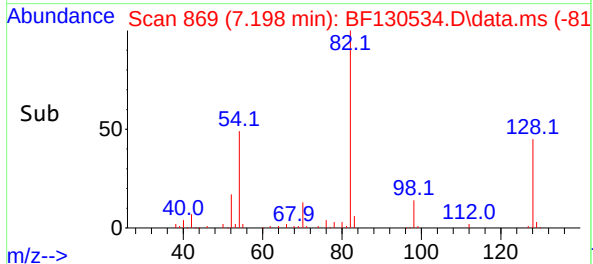
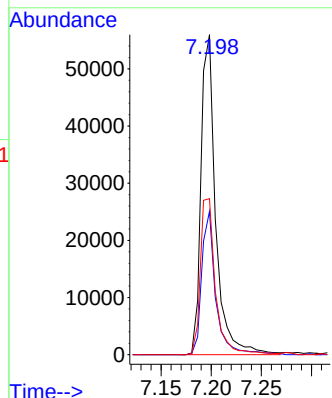
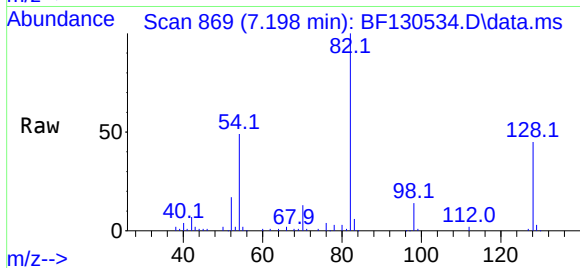
#23
Nitrobenzene-d5
Concen: 11.752 ng
RT: 7.198 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

Instrument :
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ClientSampleId :
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Tgt Ion: 82 Resp: 57490
Ion Ratio Lower Upper
82 100
128 44.8 32.6 49.0
54 48.7 43.8 65.6

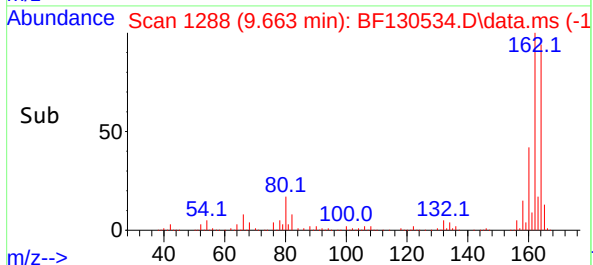
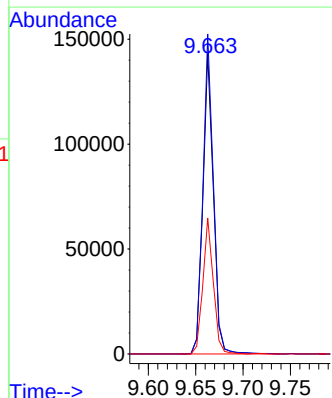
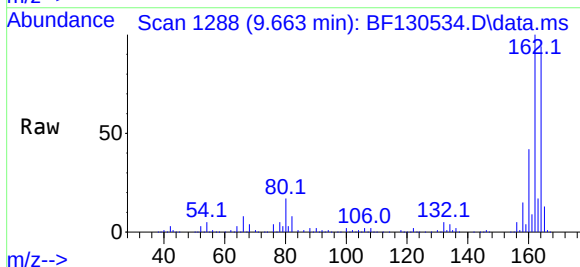
Manual Integrations
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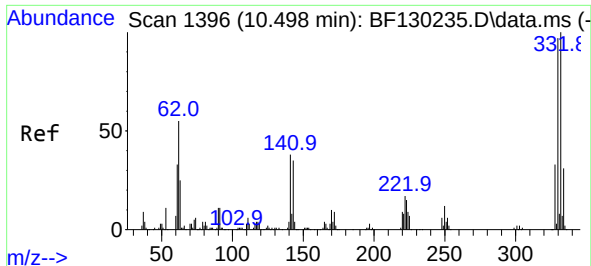
Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.663 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

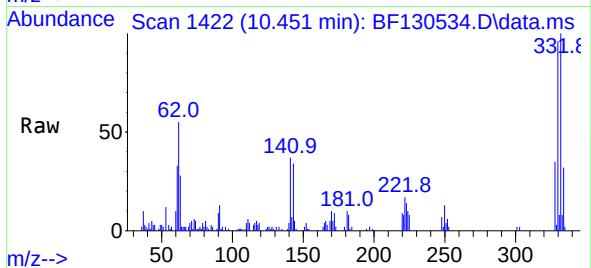
Tgt Ion:164 Resp: 110658
Ion Ratio Lower Upper
164 100
162 106.5 81.4 122.0
160 45.3 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 16.526 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

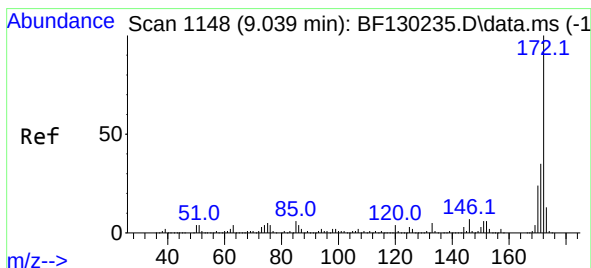
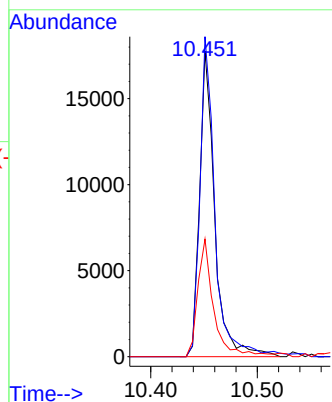
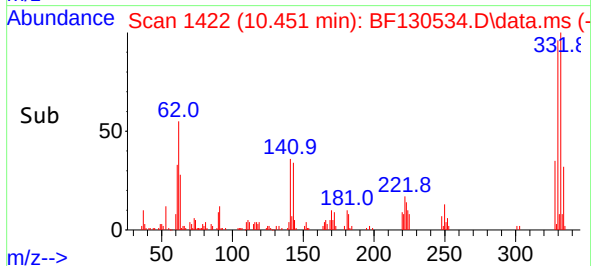
Instrument :
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PAT-03-100322



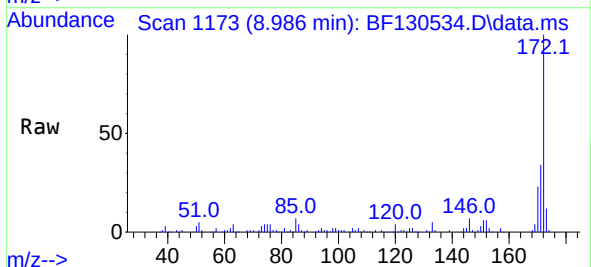
Tgt Ion: 330 Resp: 1752
Ion Ratio Lower Upper
330 100
332 105.3 83.4 125.2
141 40.7 34.0 51.0

Manual Integrations
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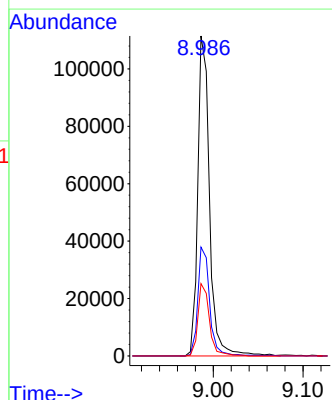
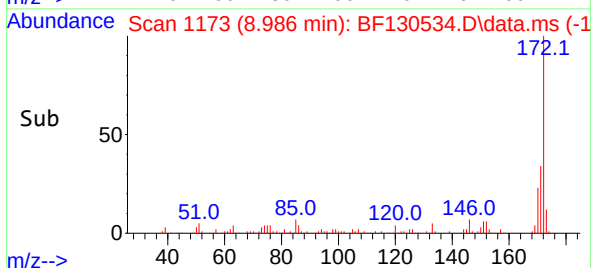
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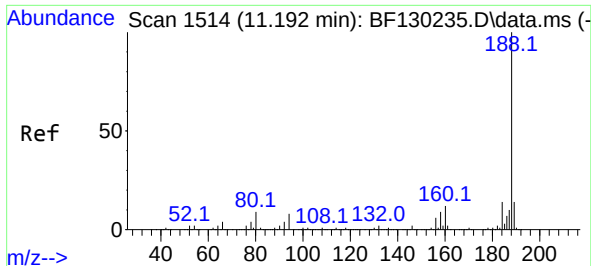


#45
2-Fluorobiphenyl
Concen: 13.340 ng
RT: 8.986 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35



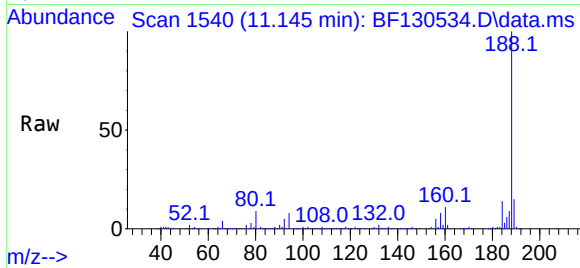
Tgt Ion: 172 Resp: 101374
Ion Ratio Lower Upper
172 100
171 34.0 28.3 42.5
170 22.6 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.145 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

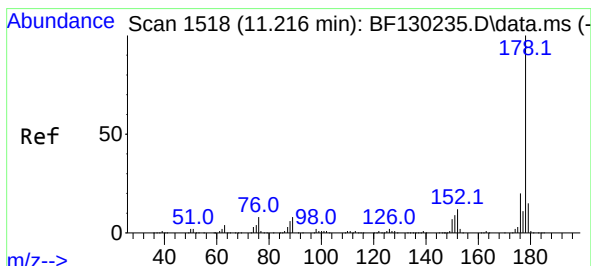
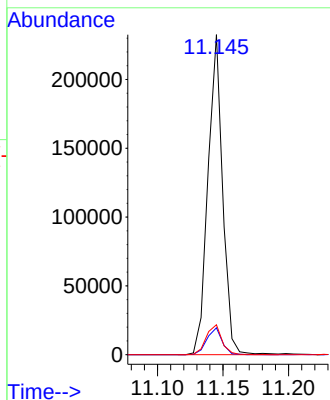
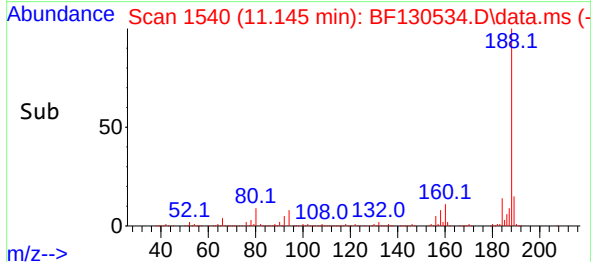
Instrument :
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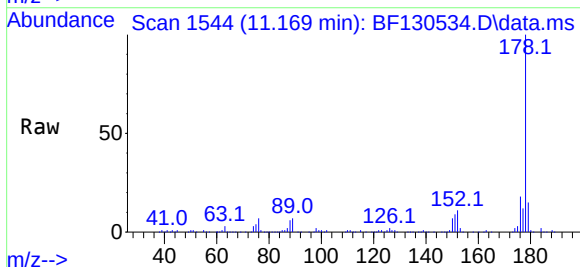
Tgt Ion:188 Resp: 18154
Ion Ratio Lower Upper
188 100
94 8.4 7.4 11.2
80 9.4 7.9 11.9

Manual Integrations
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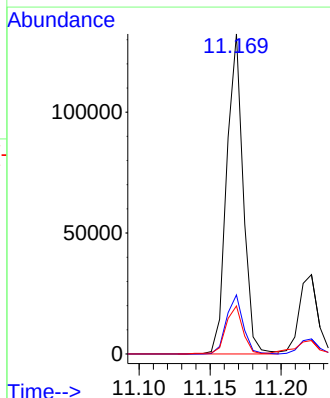
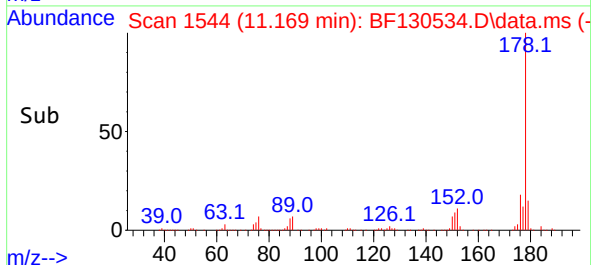
Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022

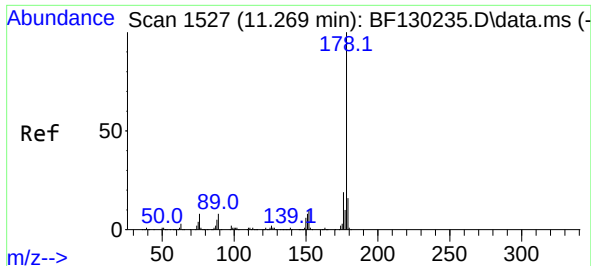


#71
Phenanthrene
Concen: 10.462 ng
RT: 11.169 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35



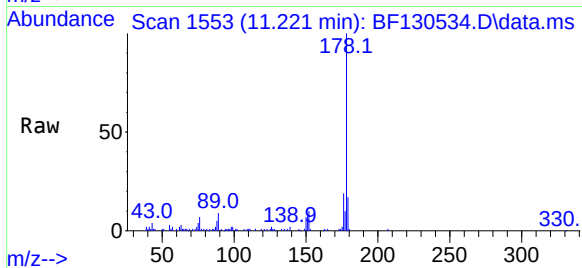
Tgt Ion:178 Resp: 106638
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.0 12.4 18.6





#72
 Anthracene
 Concen: 2.917 ng
 RT: 11.221 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF130534.D
 Acq: 05 Oct 2022 17:35

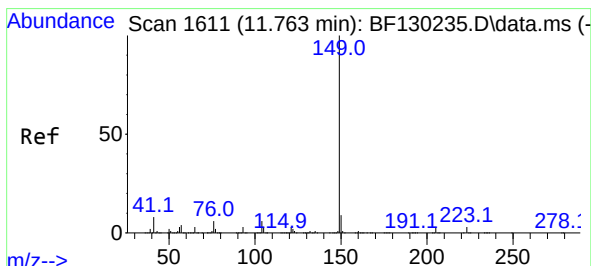
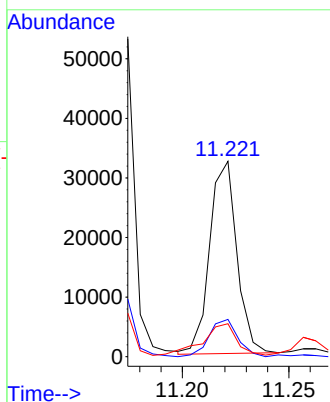
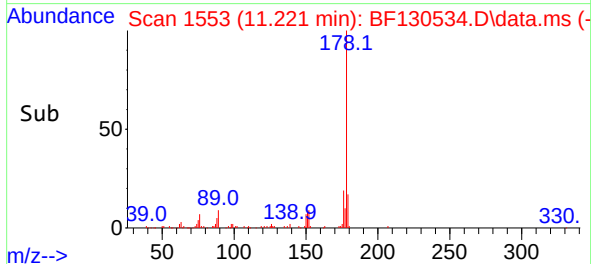
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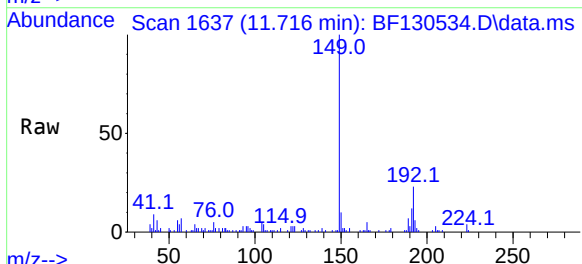
Tgt Ion:178 Resp: 28692
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.0 22.6
 179 16.9 12.7 19.1

Manual Integrations
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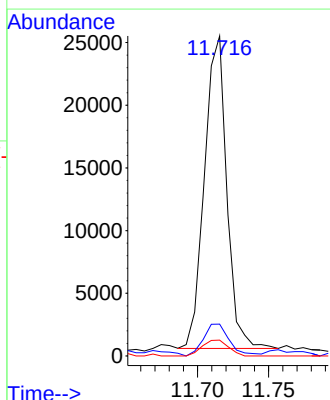
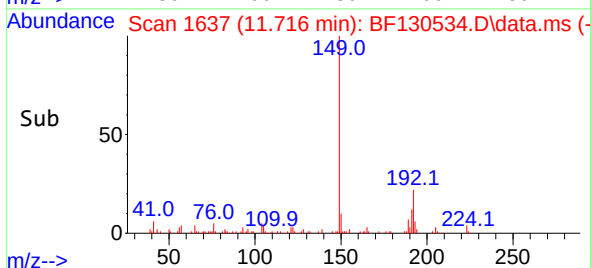
Reviewed By :Christian Giraldo 10/06/2022
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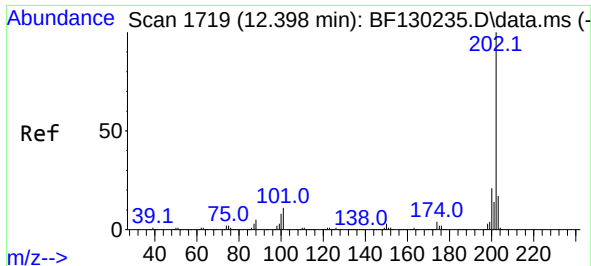


#74
 Di-n-butylphthalate
 Concen: 2.551 ng
 RT: 11.716 min Scan# 1637
 Delta R.T. -0.000 min
 Lab File: BF130534.D
 Acq: 05 Oct 2022 17:35



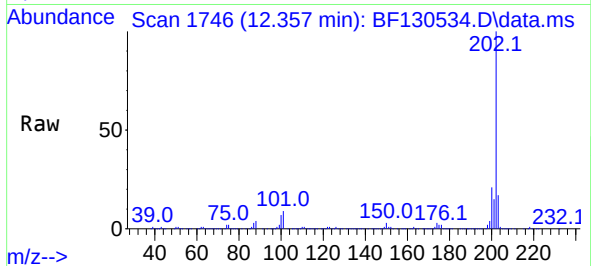
Tgt Ion:149 Resp: 27310
 Ion Ratio Lower Upper
 149 100
 150 9.9 7.4 11.2
 104 5.0 4.8 7.2





#75
Fluoranthene
Concen: 25.538 ng
RT: 12.357 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

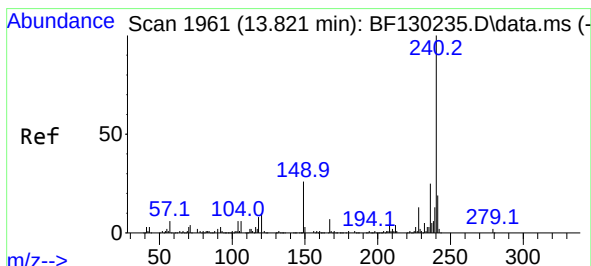
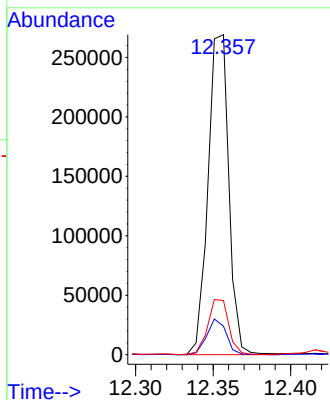
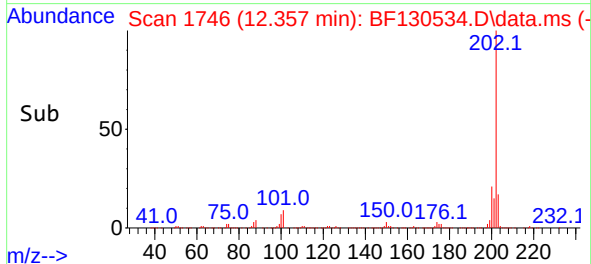
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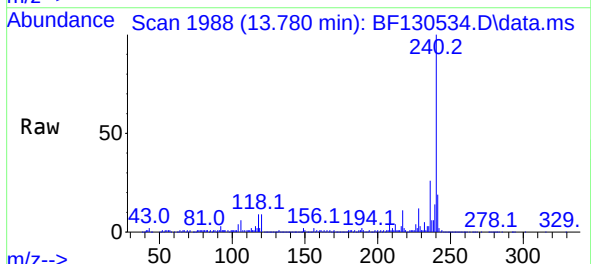
Tgt Ion:202 Resp: 251524
Ion Ratio Lower Upper
202 100
101 8.9 0.0 31.8
203 16.9 0.0 37.8

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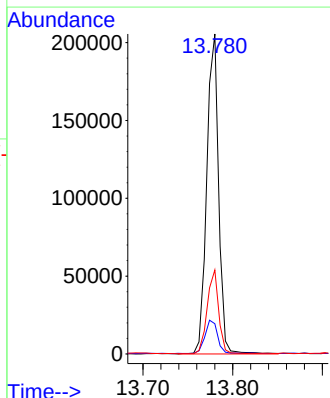
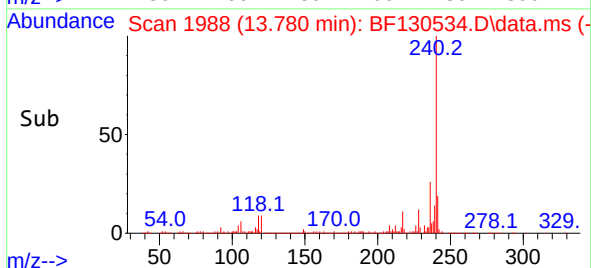
Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022

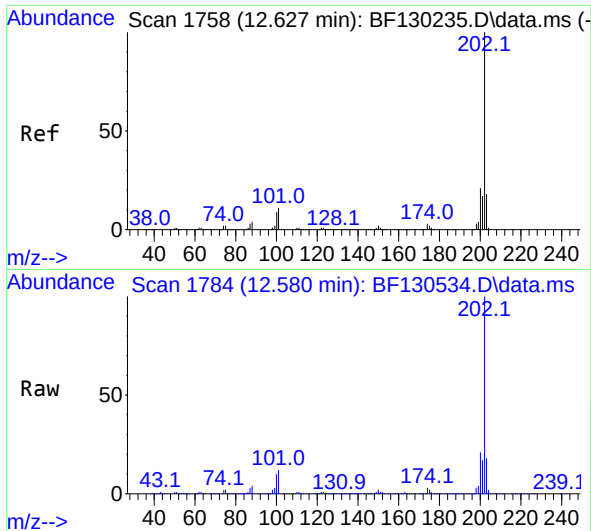


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.780 min Scan# 1988
Delta R.T. 0.006 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35



Tgt Ion:240 Resp: 188993
Ion Ratio Lower Upper
240 100
120 9.5 8.7 13.1
236 26.2 20.9 31.3





#78

Pyrene

Concen: 16.088 ng

RT: 12.580 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF130534.D

Acq: 05 Oct 2022 17:35

Instrument :

BNA_F

ClientSampleId :

PAT-03-100322

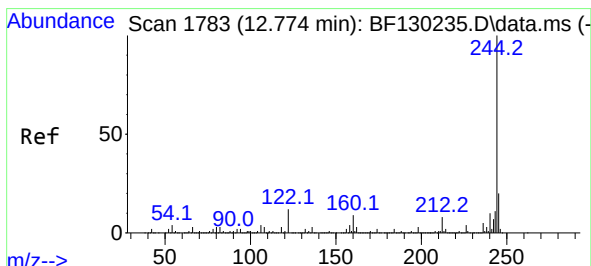
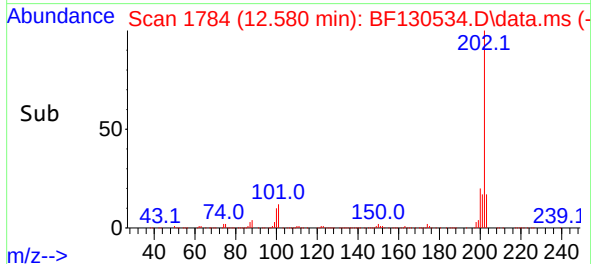
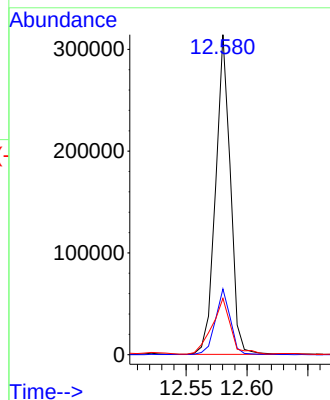
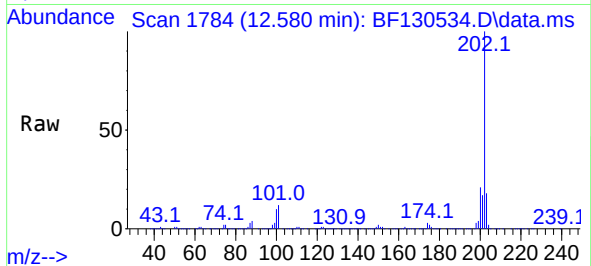
Tgt Ion:202 Resp: 26598

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.2	25.8
203	17.6	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022



#79

Terphenyl-d14

Concen: 9.903 ng

RT: 12.727 min Scan# 1809

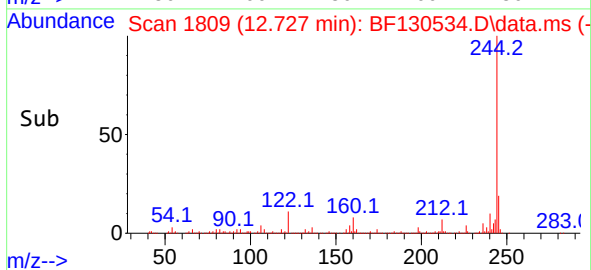
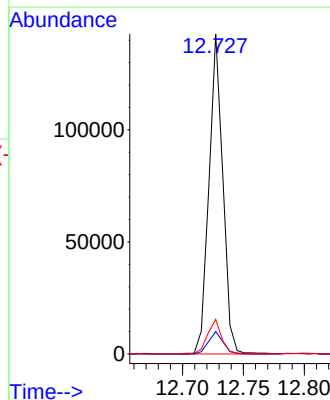
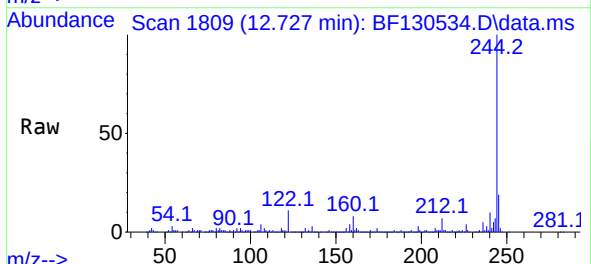
Delta R.T. -0.006 min

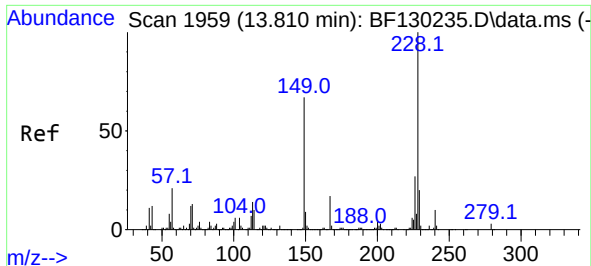
Lab File: BF130534.D

Acq: 05 Oct 2022 17:35

Tgt Ion:244 Resp: 112980

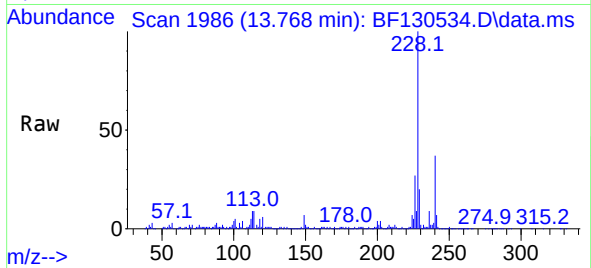
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	10.8	8.5	12.7





#81
Benzo(a)anthracene
Concen: 12.254 ng
RT: 13.768 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

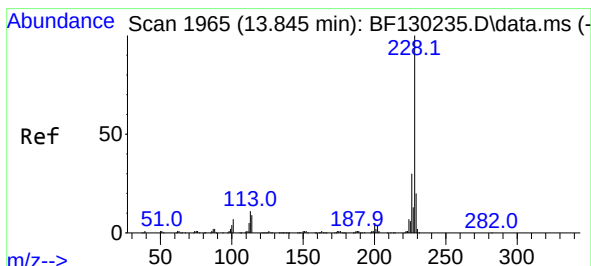
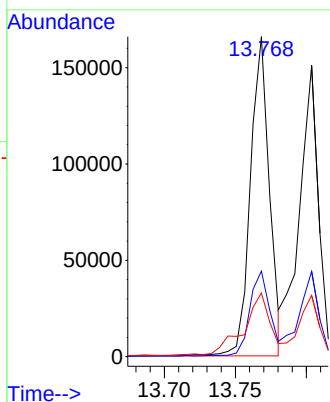
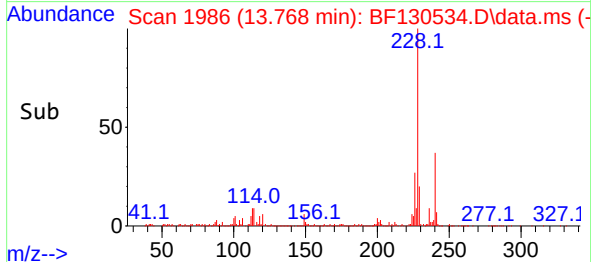
Instrument :
BNA_F
ClientSampleId :
PAT-03-100322



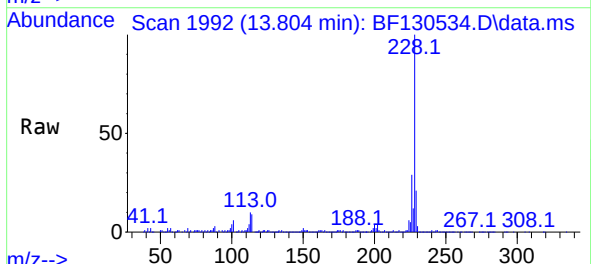
Tgt Ion:228 Resp: 154070
Ion Ratio Lower Upper
228 100
226 26.8 21.9 32.9
229 19.9 16.1 24.1

Manual Integrations
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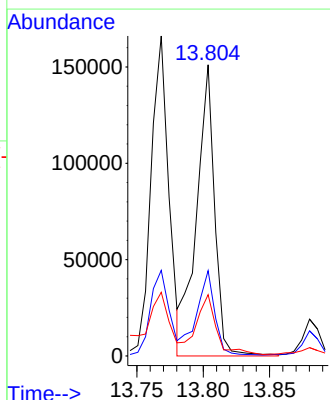
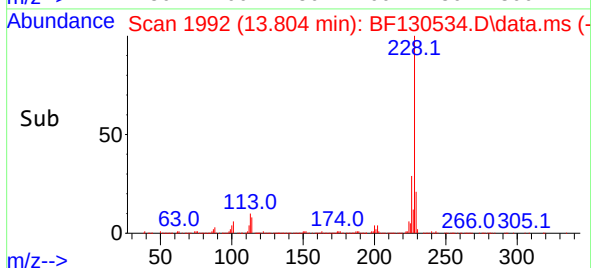
Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022

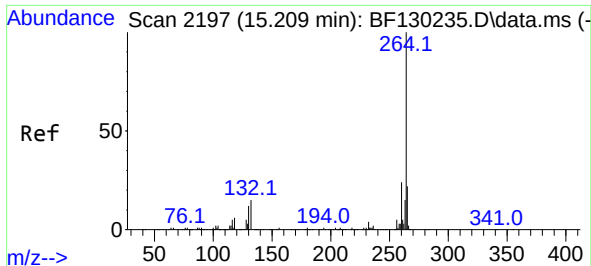


#83
Chrysene
Concen: 12.114 ng m
RT: 13.804 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35



Tgt Ion:228 Resp: 144611
Ion Ratio Lower Upper
228 100
226 29.3 23.8 35.8
229 21.1 15.3 22.9





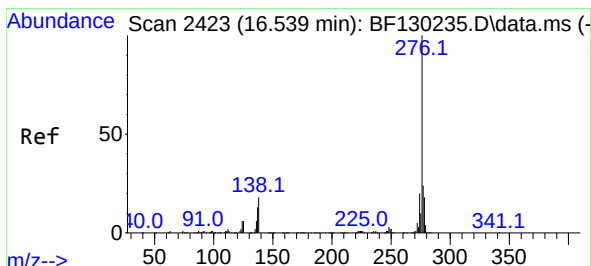
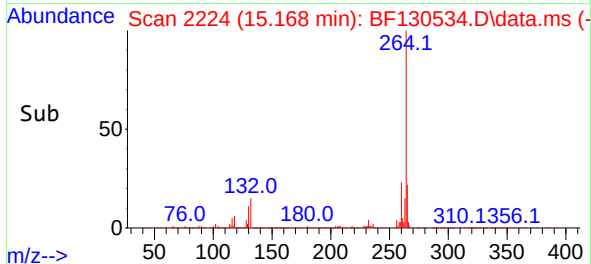
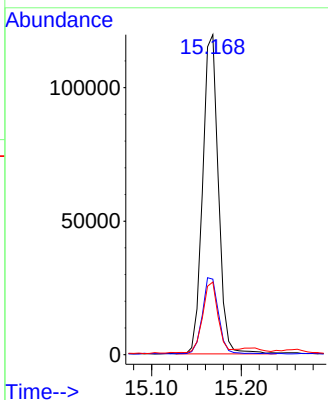
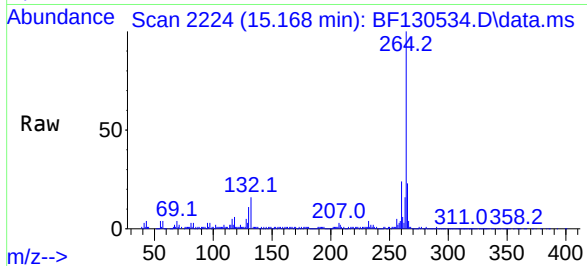
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.168 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

Instrument :
BNA_F
ClientSampleId :
PAT-03-100322

Tgt Ion:264 Resp: 14510
Ion Ratio Lower Upper
264 100
260 23.6 19.3 28.9
265 22.7 17.0 25.4

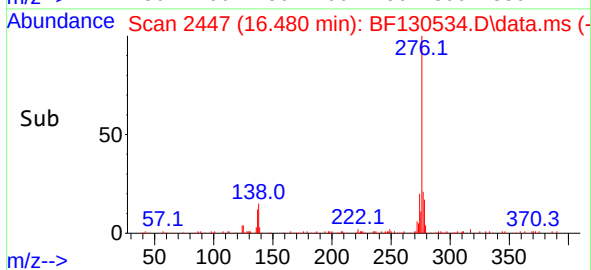
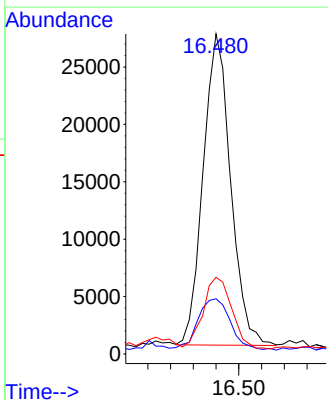
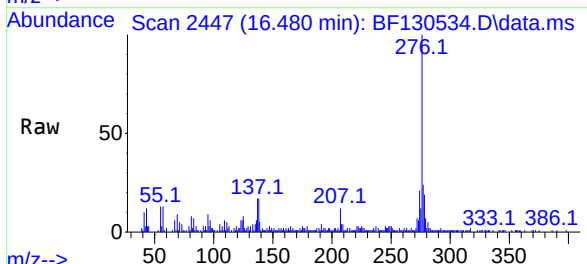
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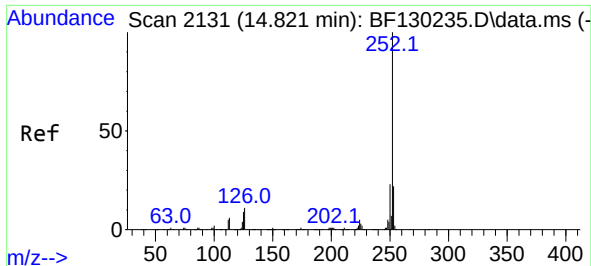
Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.430 ng
RT: 16.480 min Scan# 2447
Delta R.T. -0.000 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

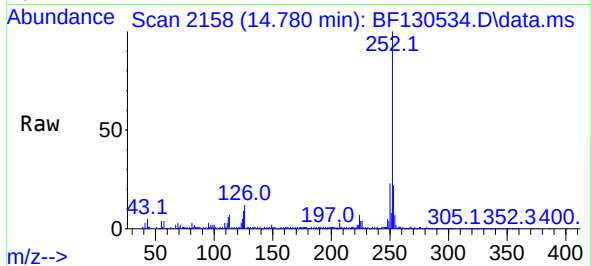
Tgt Ion:276 Resp: 45581
Ion Ratio Lower Upper
276 100
138 20.2 18.5 27.7
277 24.6 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 17.806 ng m
RT: 14.780 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

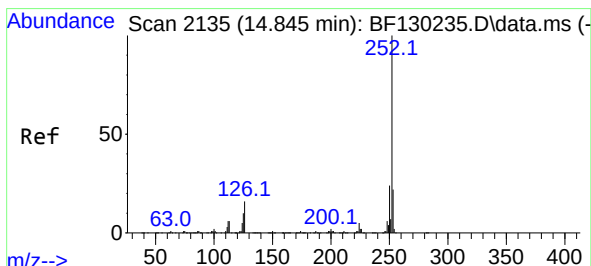
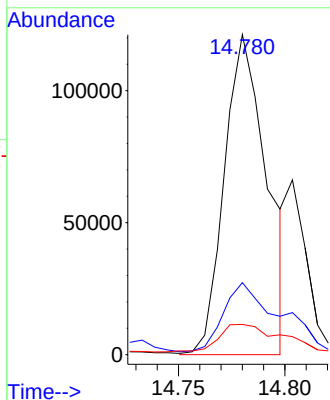
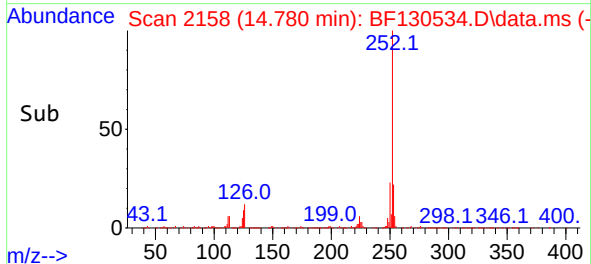
Instrument :
BNA_F
ClientSampleId :
PAT-03-100322



Tgt Ion:252 Resp: 168634
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 9.5 8.1 12.1

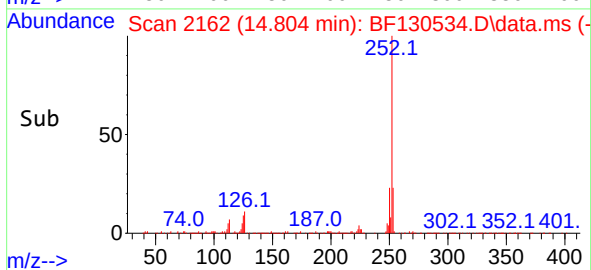
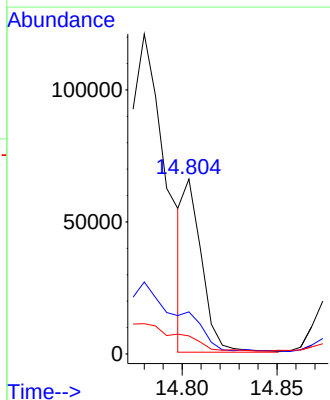
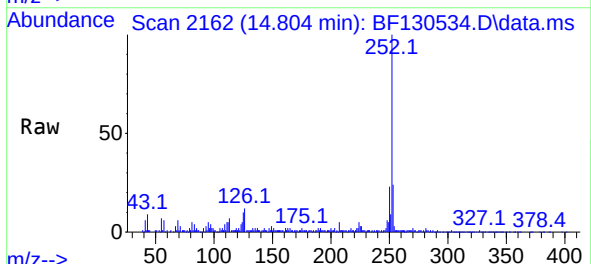
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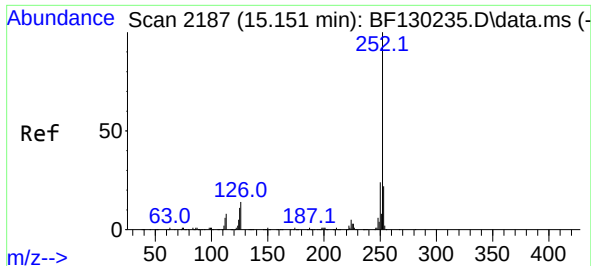
Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022



#89
Benzo(k)fluoranthene
Concen: 4.628 ng m
RT: 14.804 min Scan# 2162
Delta R.T. -0.000 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

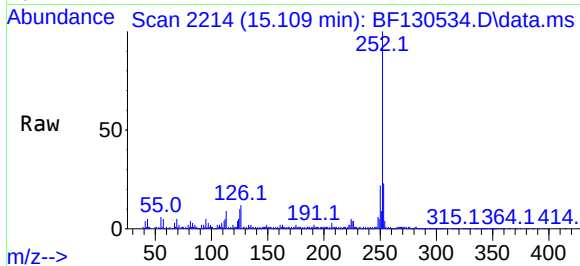
Tgt Ion:252 Resp: 43118
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 10.3 7.9 11.9





#90
Benzo(a)pyrene
Concen: 12.909 ng
RT: 15.109 min Scan# 2187
Delta R.T. 0.006 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

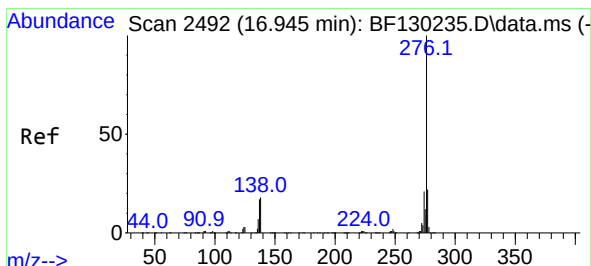
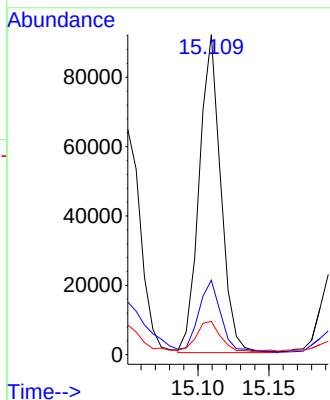
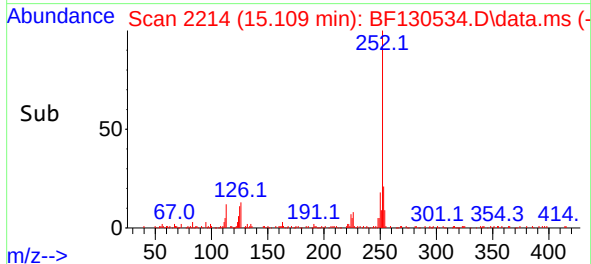
Instrument :
BNA_F
ClientSampleId :
PAT-03-100322



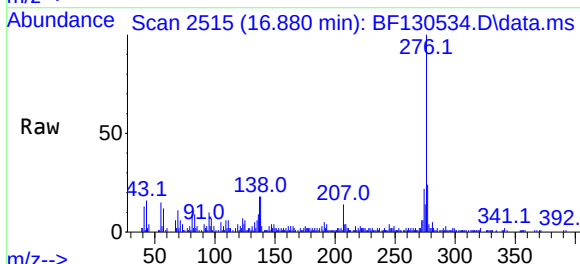
Tgt Ion: 252 Resp: 9685
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 10.4 9.0 13.6

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 10/06/2022
Supervised By : mohammad ahmed 10/14/2022



#92
Benzo(g,h,i)perylene
Concen: 5.189 ng
RT: 16.880 min Scan# 2515
Delta R.T. 0.006 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35



Tgt Ion: 276 Resp: 44125
Ion Ratio Lower Upper
276 100
277 24.0 18.6 27.8
138 18.2 14.6 21.8

