

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100522\
 Data File : BF130544.D
 Acq On : 05 Oct 2022 22:48
 Operator : CG\JU
 Sample : N4988-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-5-100422

Manual Integrations
 APPROVED

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

Quant Time: Oct 06 01:14:50 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	67916	20.000	ng	0.00
21) Naphthalene-d8	7.916	136	234005	20.000	ng	# 0.00
39) Acenaphthene-d10	9.663	164	102257	20.000	ng	0.00
64) Phenanthrene-d10	11.145	188	189275	20.000	ng	0.00
76) Chrysene-d12	13.780	240	176971	20.000	ng	0.00
86) Perylene-d12	15.168	264	121449	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.234	112	373377	95.354	ng	0.00
7) Phenol-d6	6.275	99	432090	88.192	ng	0.00
23) Nitrobenzene-d5	7.198	82	269656	58.872	ng	0.00
42) 2,4,6-Tribromophenol	10.451	330	99592	101.643	ng	0.00
45) 2-Fluorobiphenyl	8.992	172	426936	60.798	ng	0.00
79) Terphenyl-d14	12.739	244	486908	45.576	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.169	178	24438	2.300	ng	99
75) Fluoranthene	12.357	202	231011	22.497	ng	98
78) Pyrene	12.586	202	222958	14.402	ng	99
81) Benzo(a)anthracene	13.768	228	113406	9.633	ng	99
83) Chrysene	13.804	228	84017	7.516	ng	98
87) Indeno(1,2,3-cd)pyrene	16.480	276	20086	2.332	ng	97
88) Benzo(b)fluoranthene	14.780	252	83774m	10.568	ng	
89) Benzo(k)fluoranthene	14.804	252	23173m	2.972	ng	
90) Benzo(a)pyrene	15.109	252	45373	7.225	ng	97
92) Benzo(g,h,i)perylene	16.874	276	17830	2.505	ng	97

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

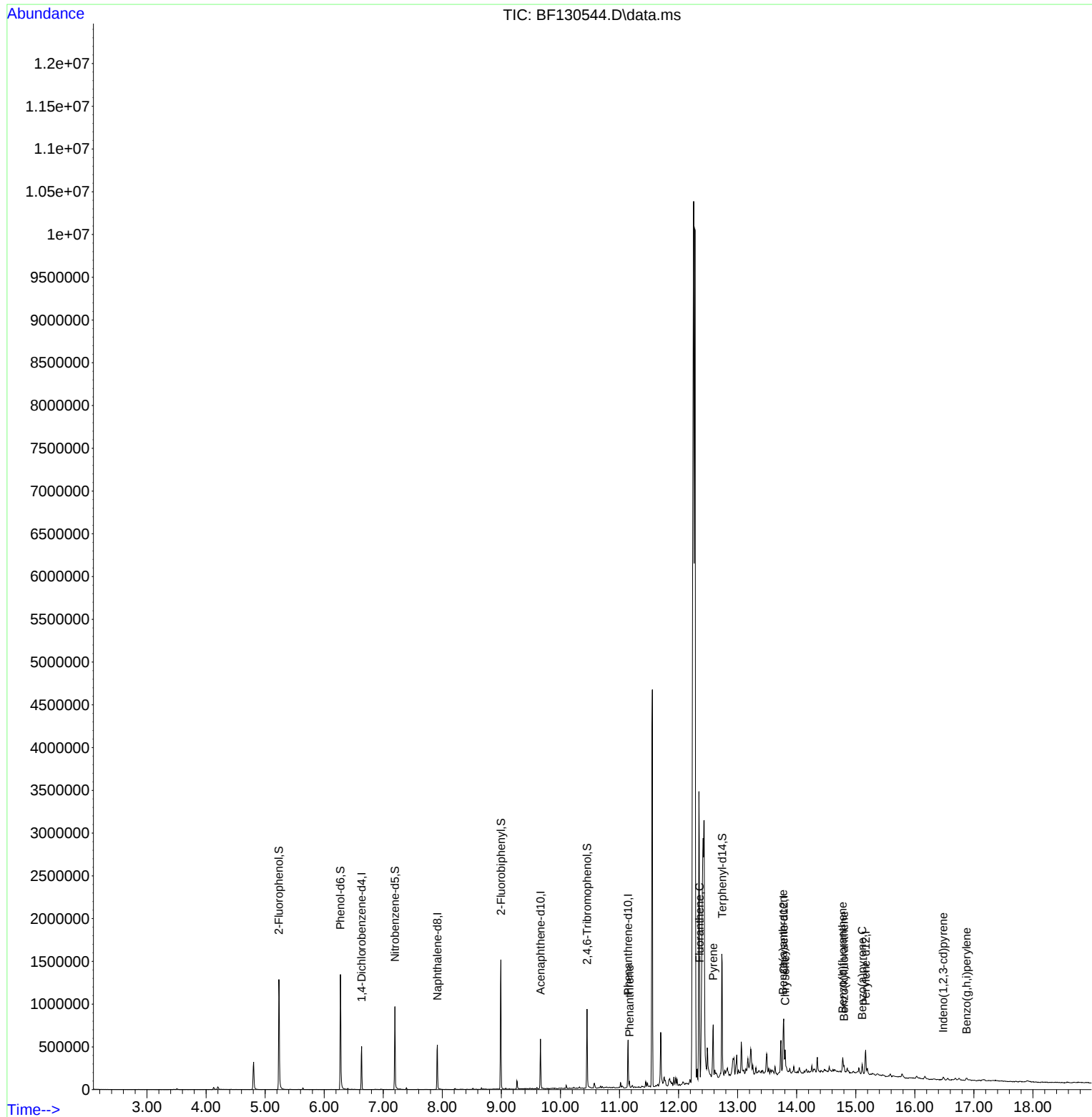
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100522\
Data File : BF130544.D
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Sample : N4988-01
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ALS Vial : 18 Sample Multiplier: 1

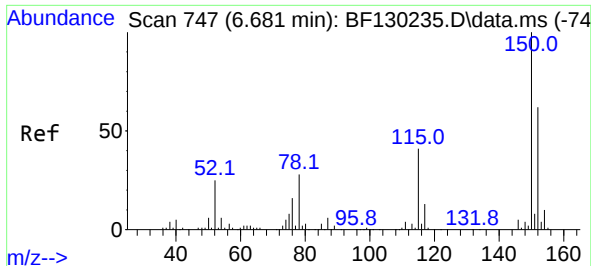
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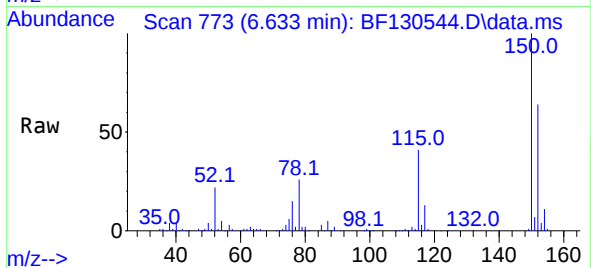
Quant Time: Oct 06 01:14:50 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 06 01:07:05 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.633 min Scan# 71
Delta R.T. -0.001 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

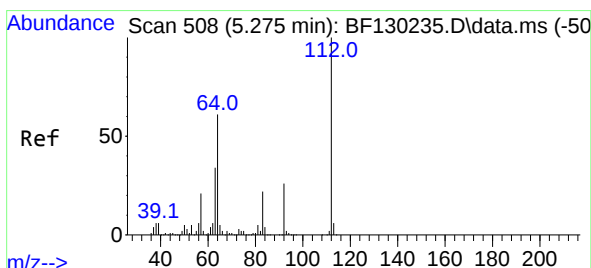
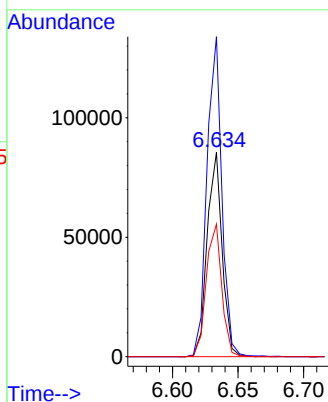
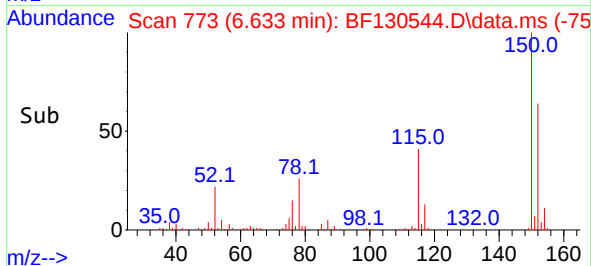
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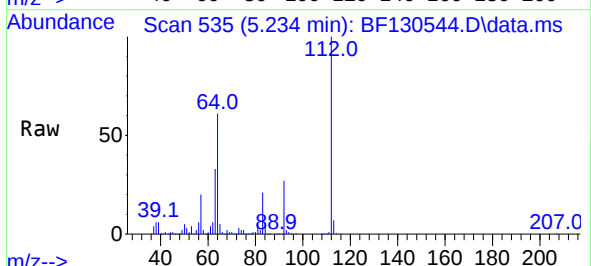
Tgt Ion:152 Resp: 67910
Ion Ratio Lower Upper
152 100
150 156.6 122.8 184.2
115 64.9 53.8 80.8

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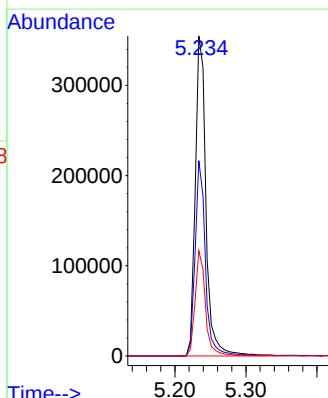
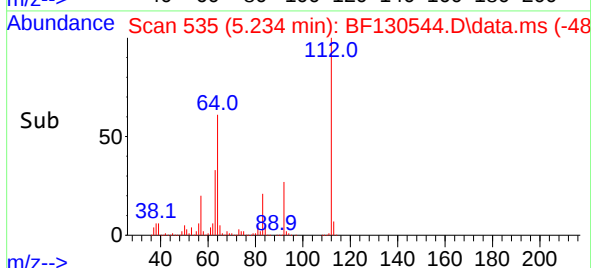
Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022

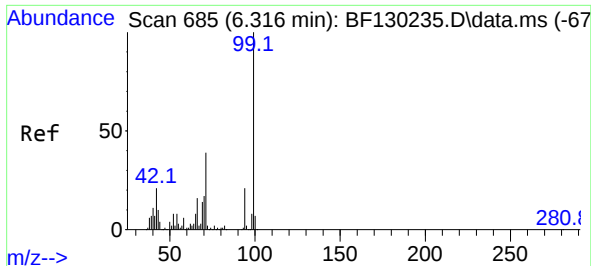


#5
2-Fluorophenol
Concen: 95.354 ng
RT: 5.234 min Scan# 535
Delta R.T. 0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48



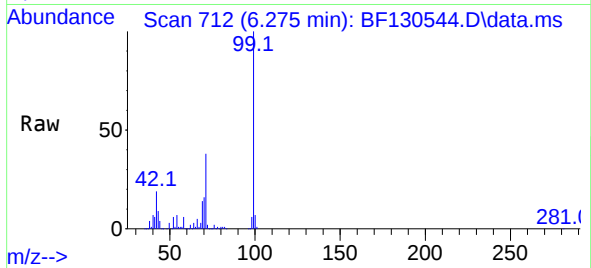
Tgt Ion:112 Resp: 373377
Ion Ratio Lower Upper
112 100
64 61.1 51.4 77.0
63 32.9 28.8 43.2





#7
Phenol-d6
Concen: 88.192 ng
RT: 6.275 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

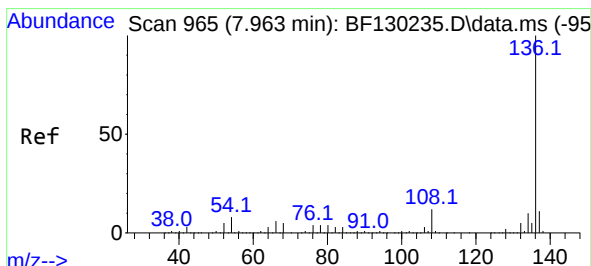
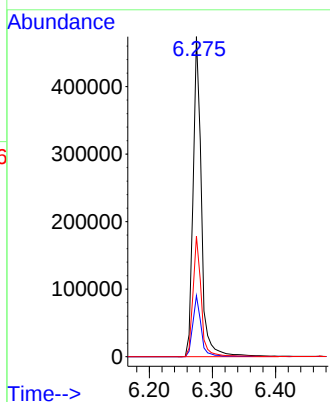
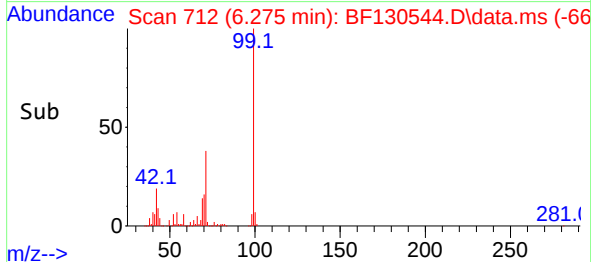
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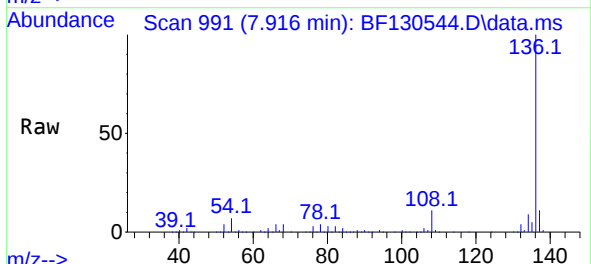
Tgt Ion: 99 Resp: 432090
Ion Ratio Lower Upper
99 100
42 19.0 17.0 25.6
71 37.7 32.3 48.5

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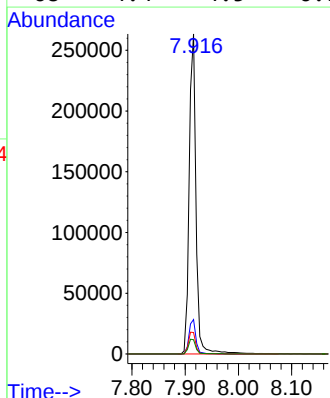
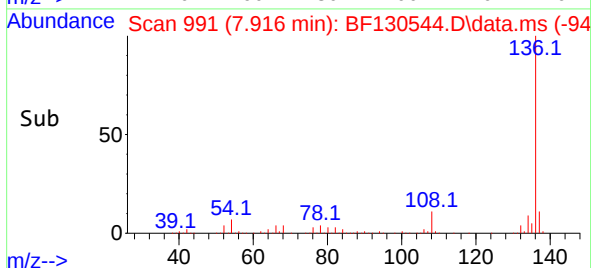
Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022

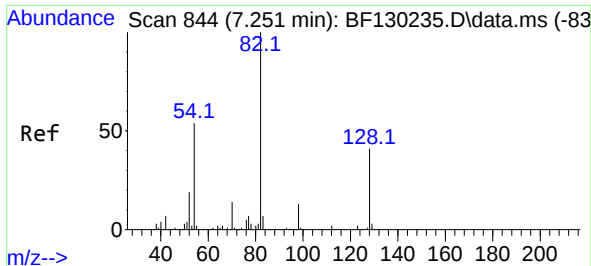


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.916 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48



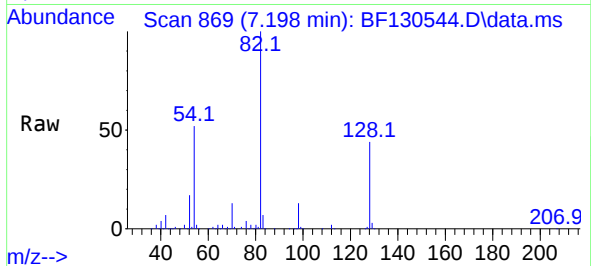
Tgt Ion:136 Resp: 234005
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 6.7 7.1 10.7#
68 4.4 4.5 6.7#





#23
Nitrobenzene-d5
Concen: 58.872 ng
RT: 7.198 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

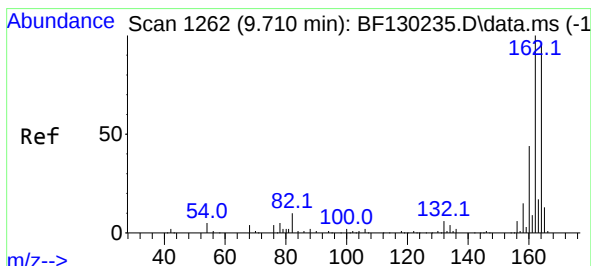
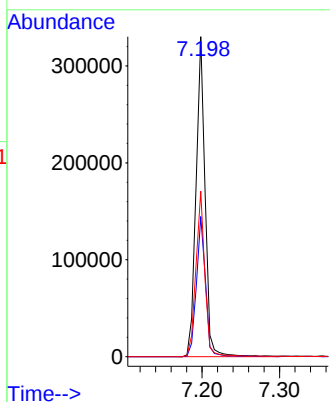
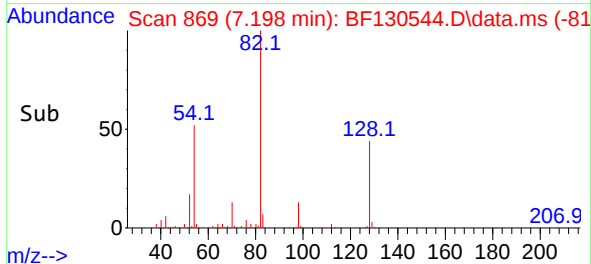
Instrument :
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ClientSampleId :
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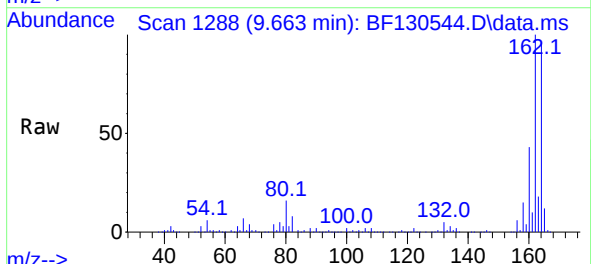
Tgt Ion: 82 Resp: 269650
Ion Ratio Lower Upper
82 100
128 43.8 32.6 49.0
54 51.7 43.8 65.6

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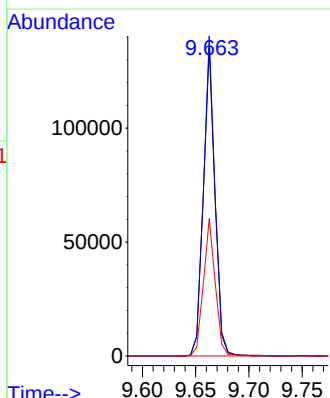
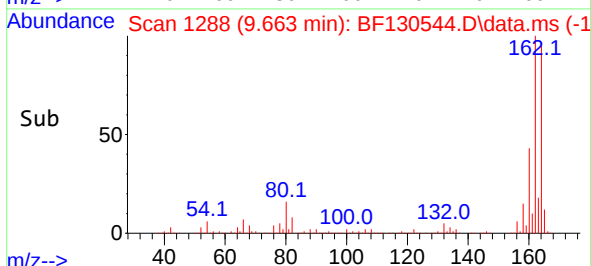
Reviewed By :Christian Giraldo 10/06/2022
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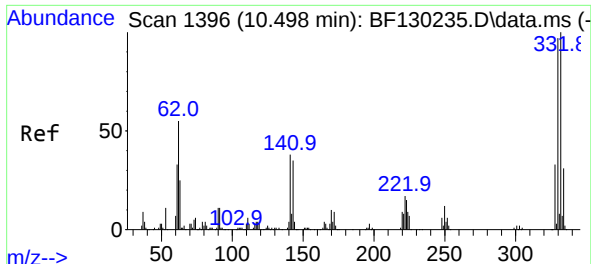


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.663 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48



Tgt Ion:164 Resp: 102257
Ion Ratio Lower Upper
164 100
162 103.8 81.4 122.0
160 44.6 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 101.643 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

Instrument :

BNA_F

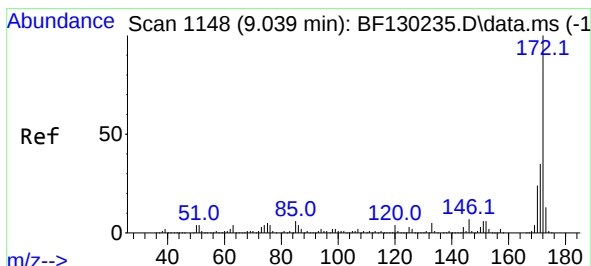
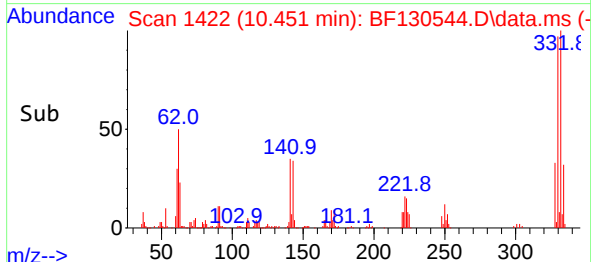
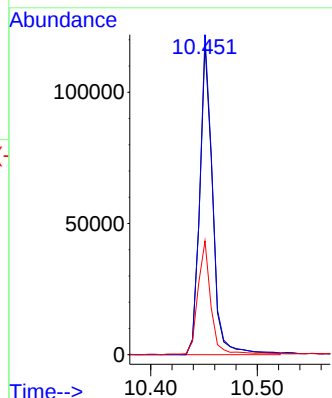
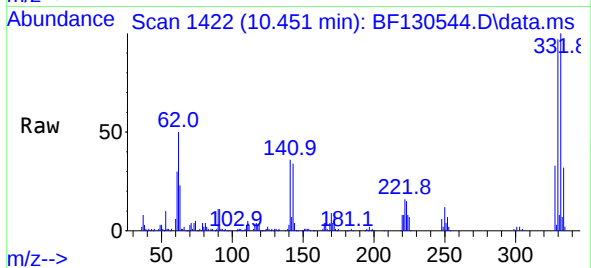
ClientSampleId :

AU-5-100422

Tgt Ion:330 Resp: 99592
Ion Ratio Lower Upper
330 100
332 103.3 83.4 125.2
141 37.9 34.0 51.0

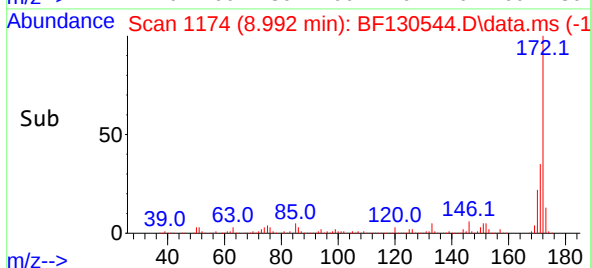
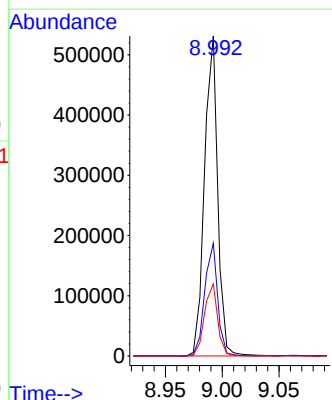
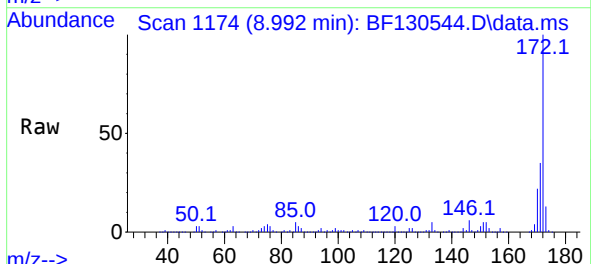
Manual Integrations
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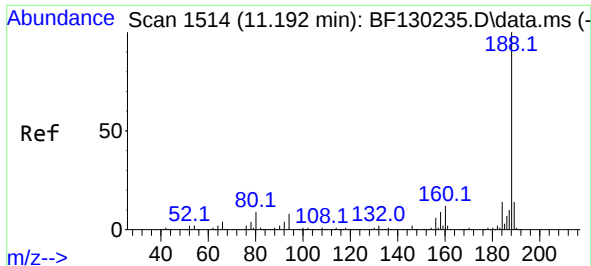
Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022



#45
2-Fluorobiphenyl
Concen: 60.798 ng
RT: 8.992 min Scan# 1174
Delta R.T. -0.000 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

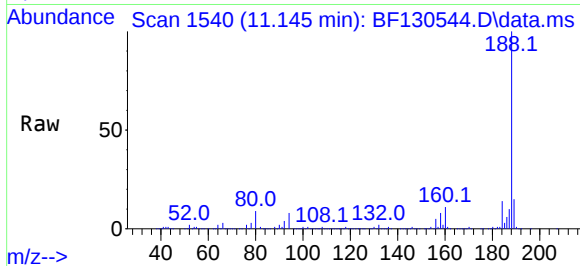
Tgt Ion:172 Resp: 426936
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 22.5 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.145 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

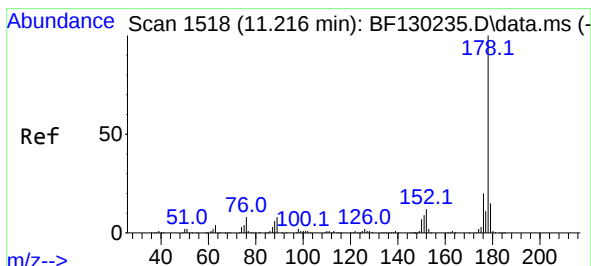
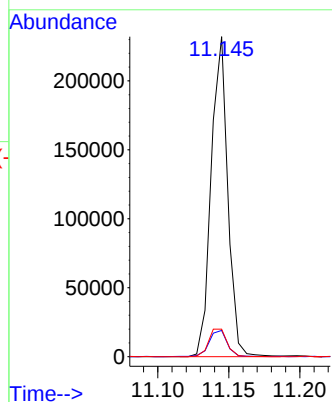
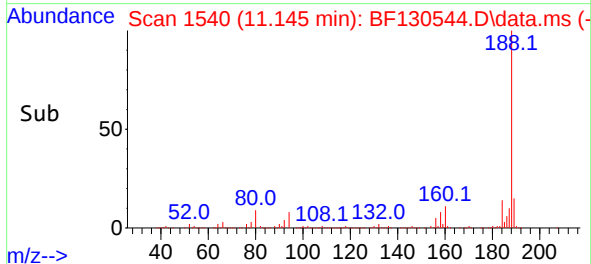
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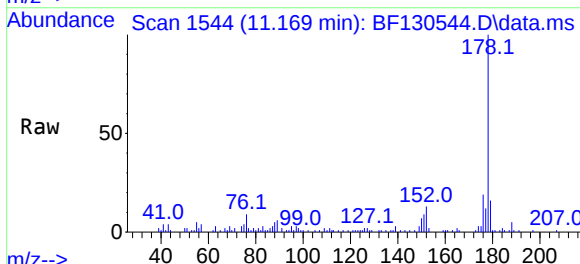
Tgt Ion:188 Resp: 189275
Ion Ratio Lower Upper
188 100
94 8.2 7.4 11.2
80 8.6 7.9 11.9

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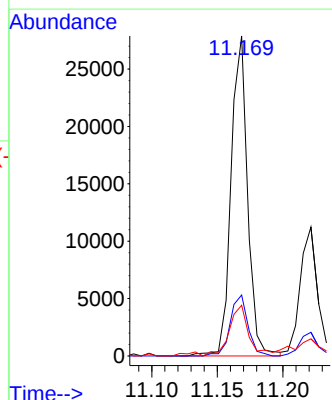
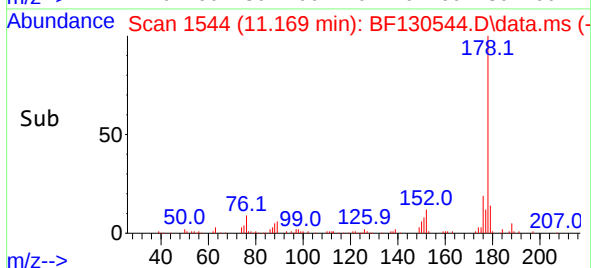
Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022

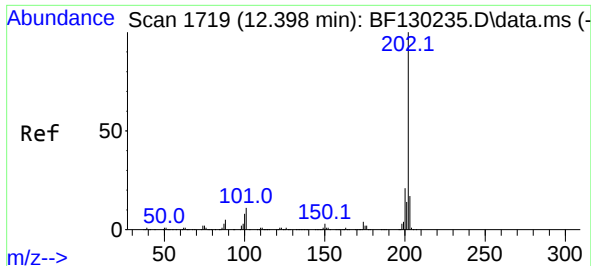


#71
Phenanthrene
Concen: 2.300 ng
RT: 11.169 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48



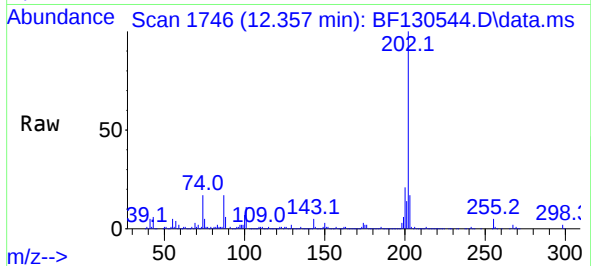
Tgt Ion:178 Resp: 24438
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.9 12.4 18.6





#75
Fluoranthene
Concen: 22.497 ng
RT: 12.357 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

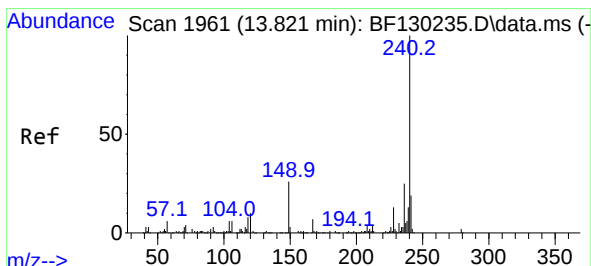
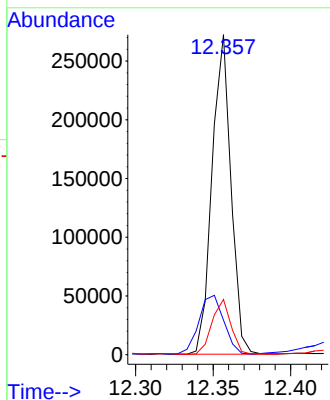
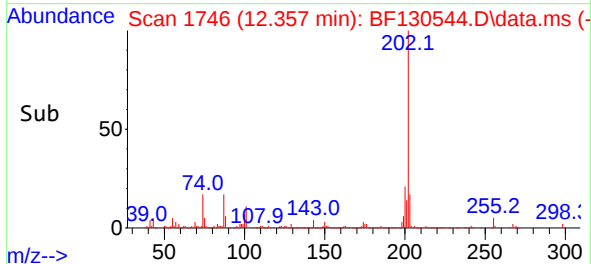
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Tgt Ion:202 Resp: 23101
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.8
203 17.2 0.0 37.8

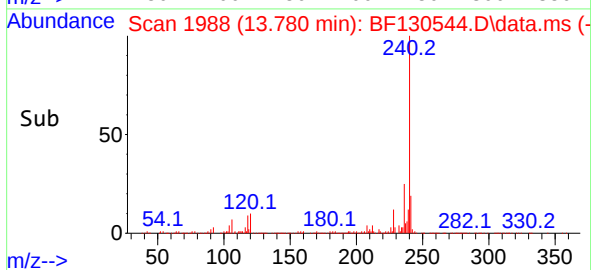
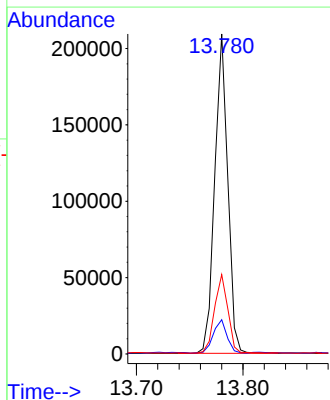
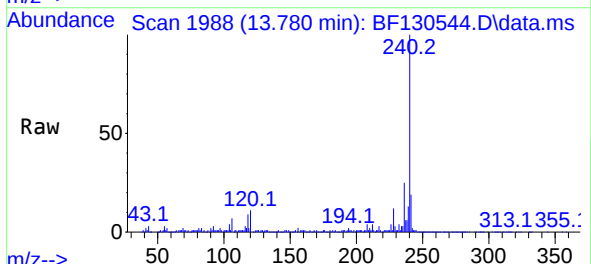
Manual Integrations
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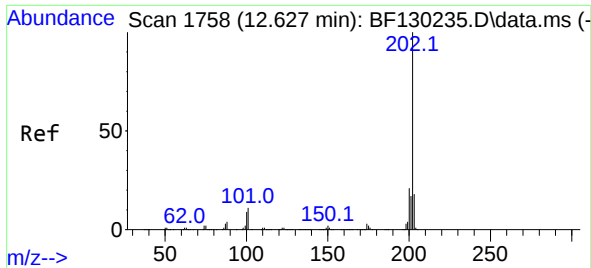
Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.780 min Scan# 1988
Delta R.T. 0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

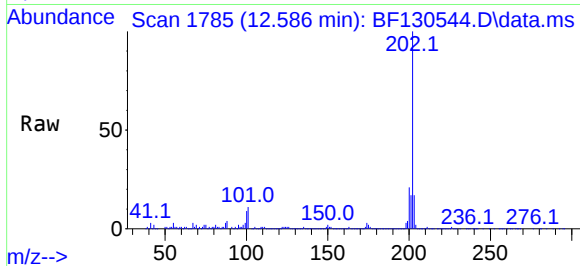
Tgt Ion:240 Resp: 176971
Ion Ratio Lower Upper
240 100
120 10.7 8.7 13.1
236 24.8 20.9 31.3





#78
Pyrene
Concen: 14.402 ng
RT: 12.586 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

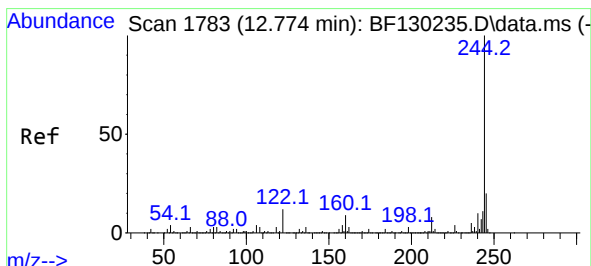
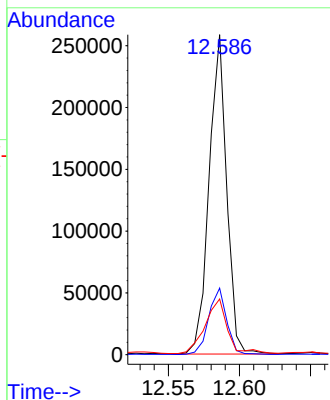
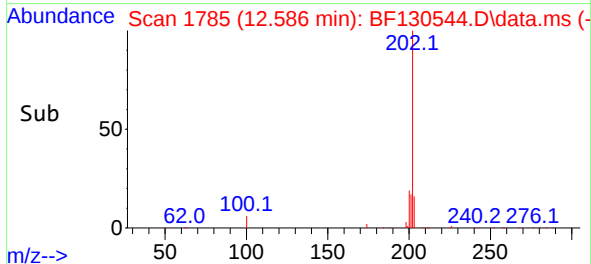
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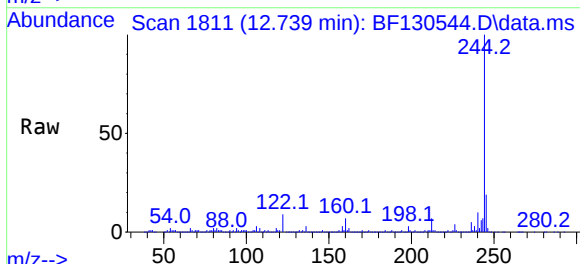
Tgt Ion:202 Resp: 222958
Ion Ratio Lower Upper
202 100
200 20.8 17.2 25.8
203 17.4 14.3 21.5

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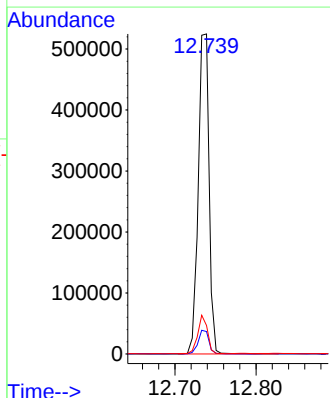
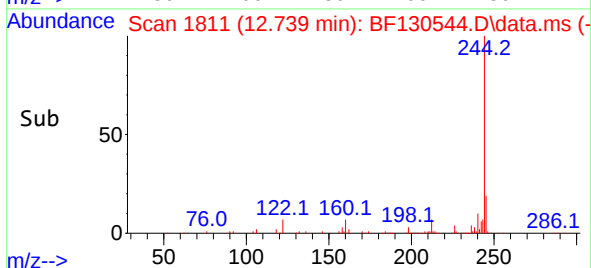
Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022

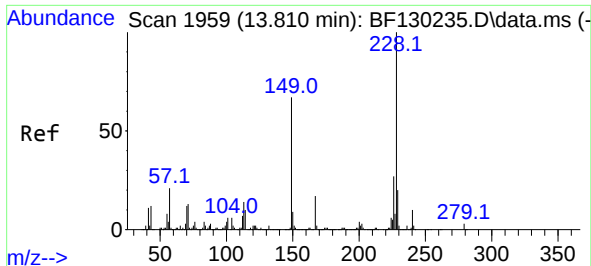


#79
Terphenyl-d14
Concen: 45.576 ng
RT: 12.739 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48



Tgt Ion:244 Resp: 486908
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 8.9 8.5 12.7





#81

Benzo(a)anthracene

Concen: 9.633 ng

RT: 13.768 min Scan# 1986

Delta R.T. -0.000 min

Lab File: BF130544.D

Acq: 05 Oct 2022 22:48

Instrument :

BNA_F

ClientSampleId :

AU-5-100422

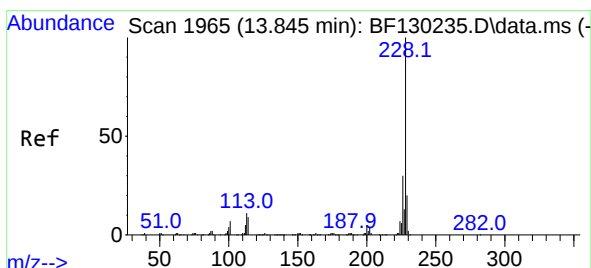
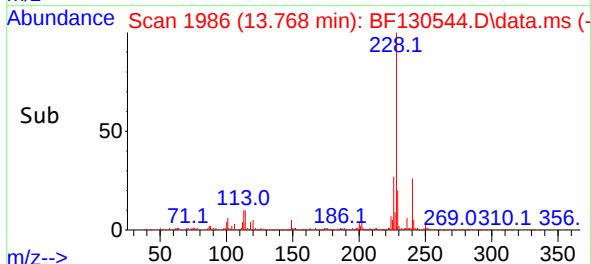
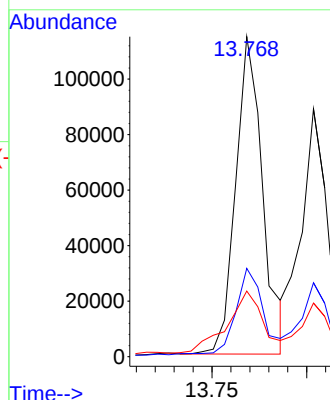
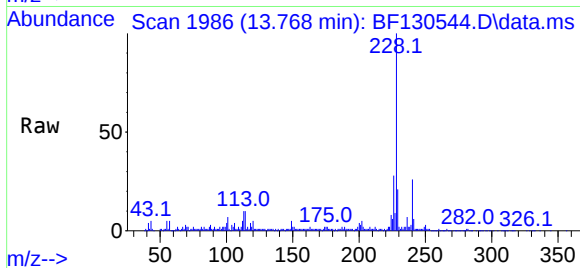
Tgt Ion:228 Resp: 113400

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.9	32.9
229	20.5	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: 7.516 ng

RT: 13.804 min Scan# 1992

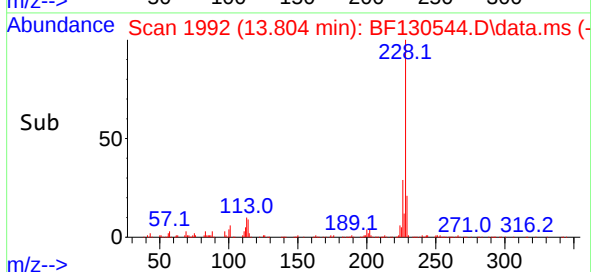
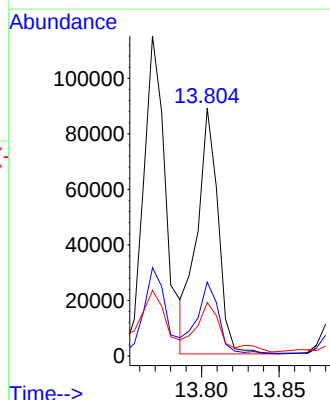
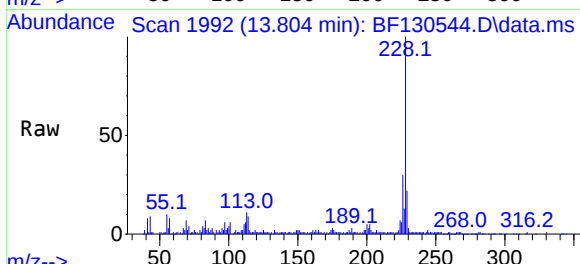
Delta R.T. -0.000 min

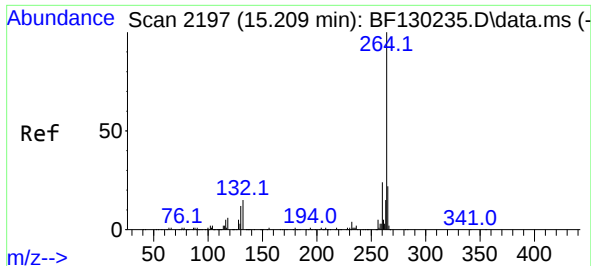
Lab File: BF130544.D

Acq: 05 Oct 2022 22:48

Tgt Ion:228 Resp: 84017

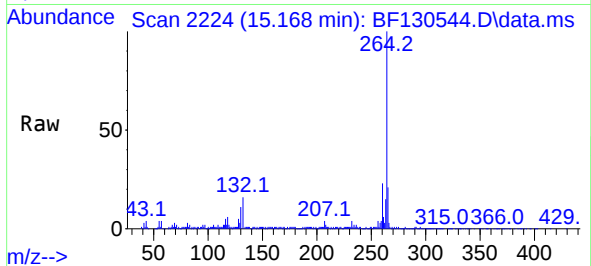
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	21.6	15.3	22.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.168 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

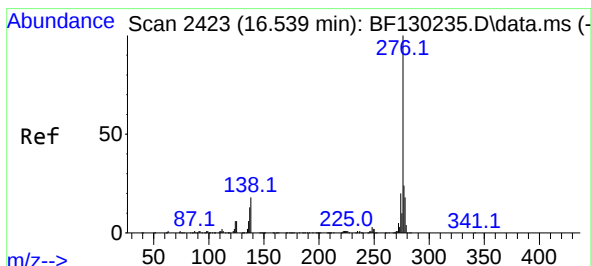
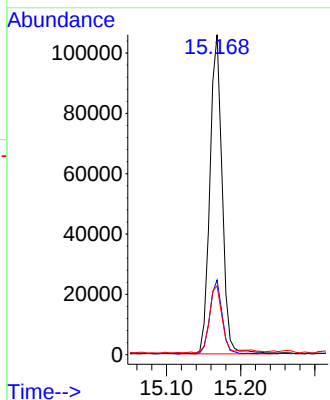
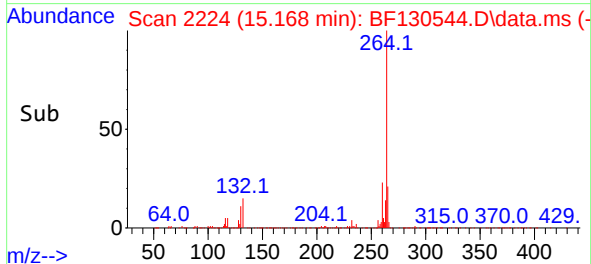
Instrument :
BNA_F
ClientSampleId :
AU-5-100422



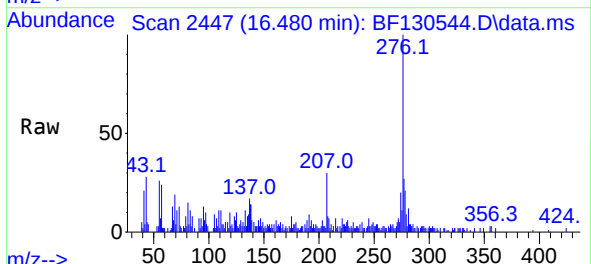
Tgt Ion:264 Resp: 121449
Ion Ratio Lower Upper
264 100
260 23.3 19.3 28.9
265 21.5 17.0 25.4

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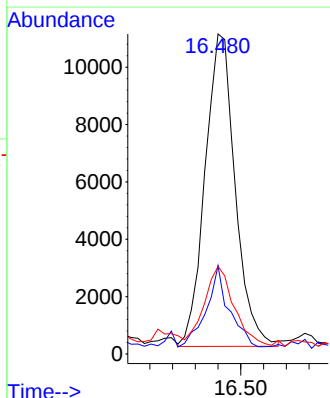
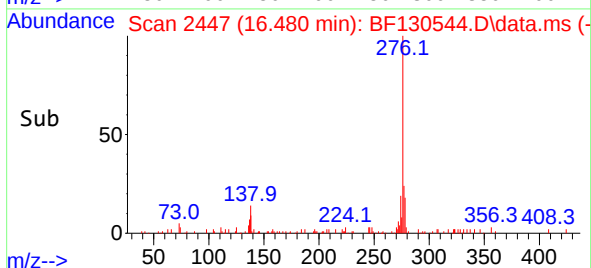
Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022

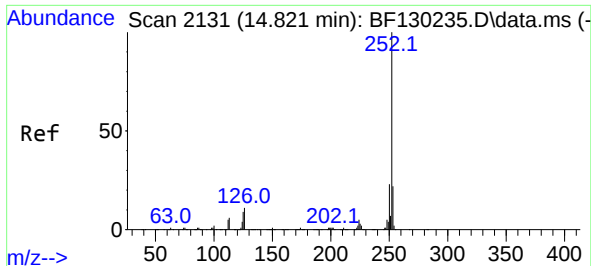


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.332 ng
RT: 16.480 min Scan# 2447
Delta R.T. -0.000 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48



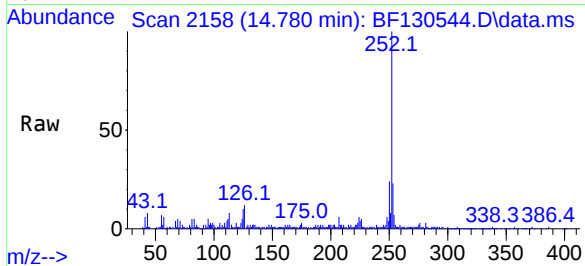
Tgt Ion:276 Resp: 20086
Ion Ratio Lower Upper
276 100
138 20.3 18.5 27.7
277 25.4 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 10.568 ng m
RT: 14.780 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

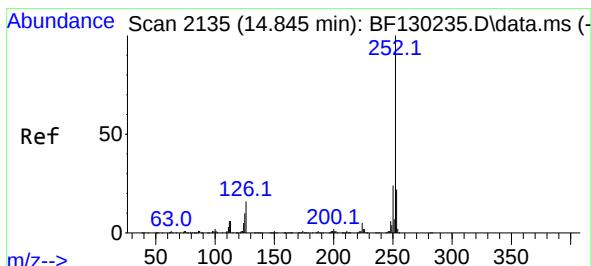
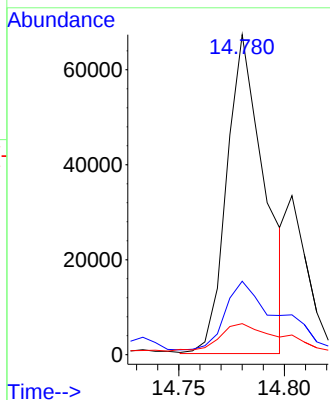
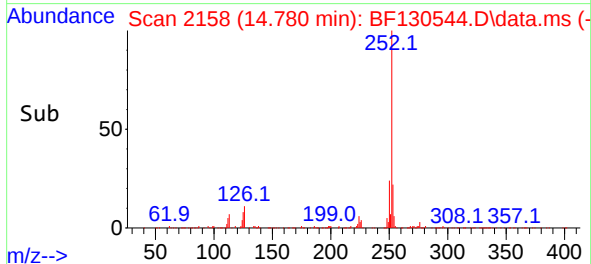
Instrument :
BNA_F
ClientSampleId :
AU-5-100422



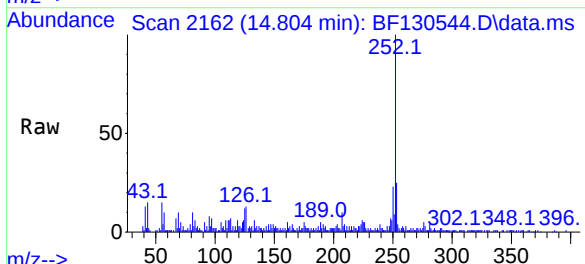
Tgt Ion:252 Resp: 83774
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 9.7 8.1 12.1

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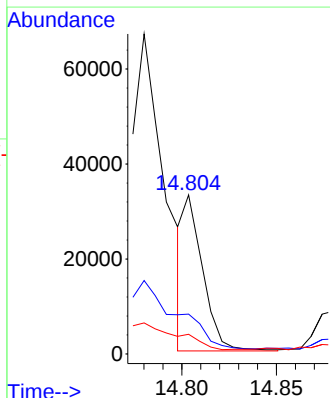
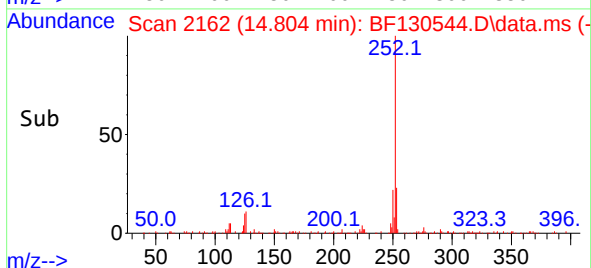
Reviewed By :Christian Giraldo 10/06/2022
Supervised By :mohammad ahmed 10/14/2022

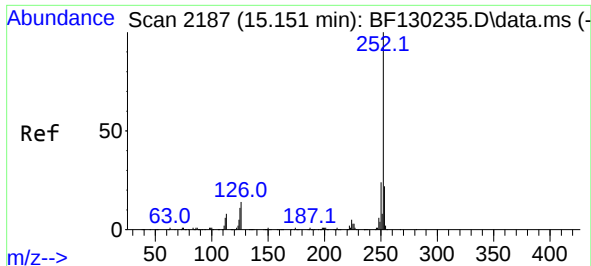


#89
Benzo(k)fluoranthene
Concen: 2.972 ng m
RT: 14.804 min Scan# 2162
Delta R.T. -0.000 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48



Tgt Ion:252 Resp: 23173
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.2
125 12.4 7.9 11.9#





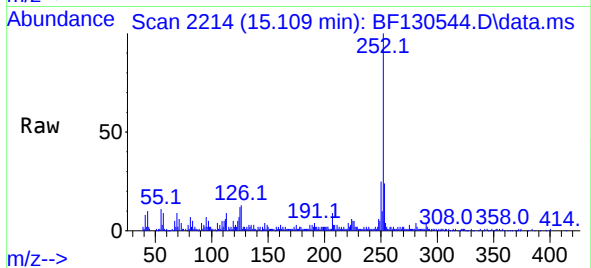
#90
Benzo(a)pyrene
Concen: 7.225 ng
RT: 15.109 min Scan# 2187
Delta R.T. 0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

Instrument :

BNA_F

ClientSampleId :

AU-5-100422

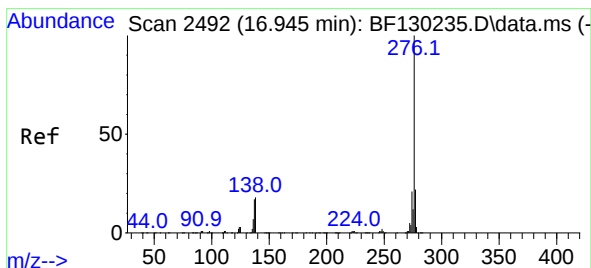
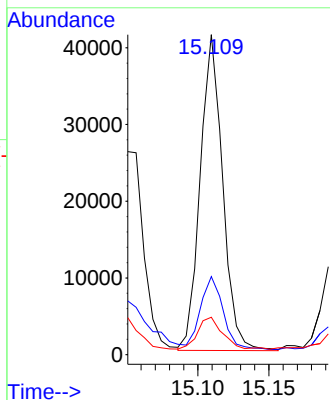
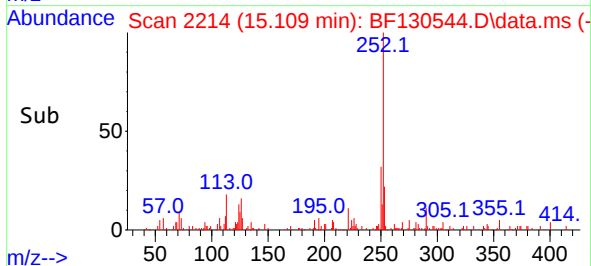


Tgt Ion:252 Resp: 4537
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 11.7 9.0 13.6

Manual Integrations

APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 2.505 ng
RT: 16.874 min Scan# 2514
Delta R.T. -0.000 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

Tgt Ion:276 Resp: 17830
Ion Ratio Lower Upper
276 100
277 24.6 18.6 27.8
138 16.9 14.6 21.8

