

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
 Data File : BF136746.D
 Acq On : 27 Dec 2023 05:18
 Operator : CG\JU
 Sample : 05463-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-11162023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/27/2023
 Supervised By :mohammad ahmed 12/27/2023

Quant Time: Dec 27 05:38:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	58510	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	192424	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	81538	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	159029	20.000	ng	0.00
76) Chrysene-d12	13.962	240	109118	20.000	ng	0.00
86) Perylene-d12	15.445	264	77526	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	418228	111.529	ng	0.00
7) Phenol-d6	6.434	99	489900	100.822	ng	0.00
23) Nitrobenzene-d5	7.345	82	279623	74.360	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	99783	103.909	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	482080	79.520	ng	-0.01
79) Terphenyl-d14	12.904	244	558935	71.582	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	63261	7.753	ng	99
72) Anthracene	11.386	178	19351	2.342	ng	97
75) Fluoranthene	12.527	202	150077	17.194	ng	98
78) Pyrene	12.757	202	132228	12.344	ng	99
81) Benzo(a)anthracene	13.957	228	56258	7.425	ng	96
83) Chrysene	13.992	228	54680	7.380	ng	96
87) Indeno(1,2,3-cd)pyrene	16.951	276	24189	4.321	ng	95
88) Benzo(b)fluoranthene	15.015	252	55360m	10.691	ng	
89) Benzo(k)fluoranthene	15.039	252	16680m	3.409	ng	
90) Benzo(a)pyrene	15.380	252	35876	8.208	ng	# 91
92) Benzo(g,h,i)perylene	17.409	276	23987	5.100	ng	# 91

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

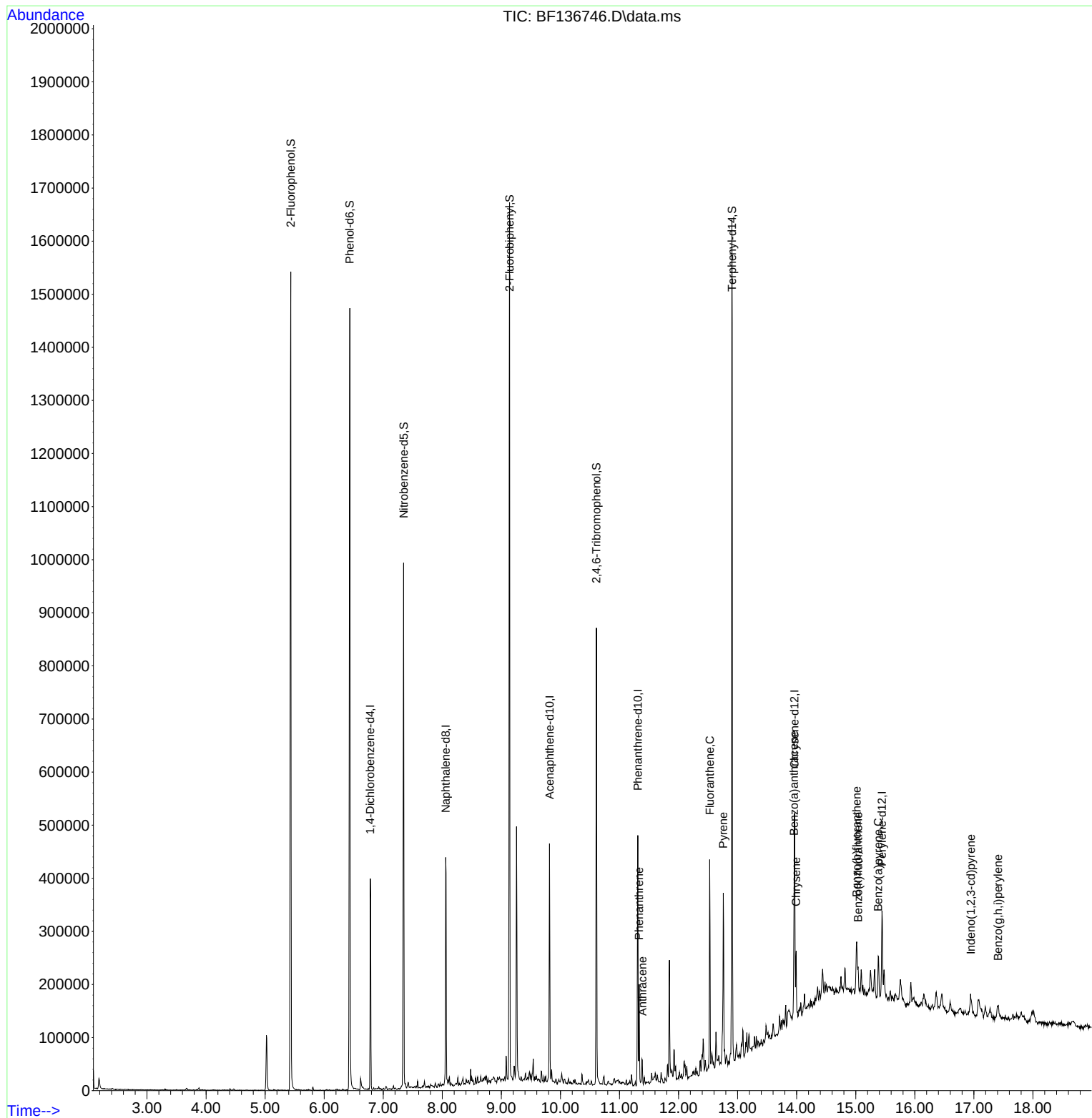
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136746.D
Acq On : 27 Dec 2023 05:18
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Sample : 05463-01
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ALS Vial : 23 Sample Multiplier: 1

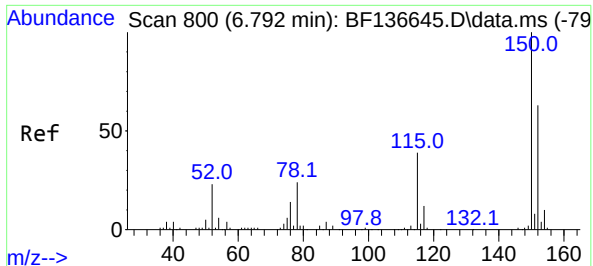
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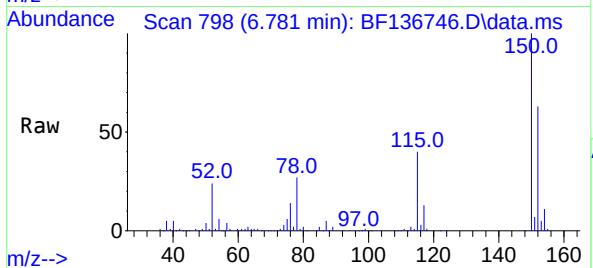
Quant Time: Dec 27 05:38:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18

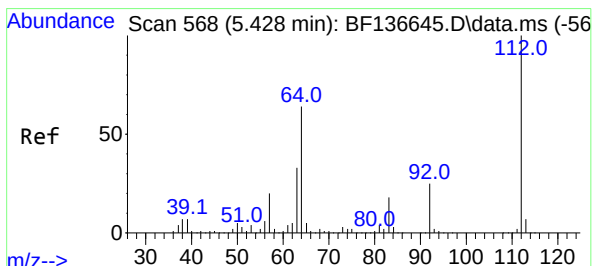
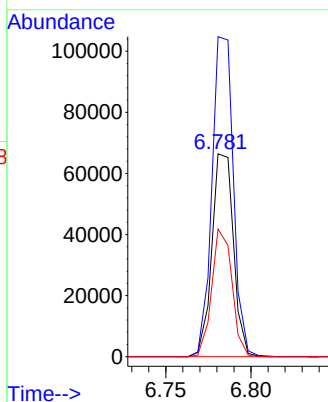
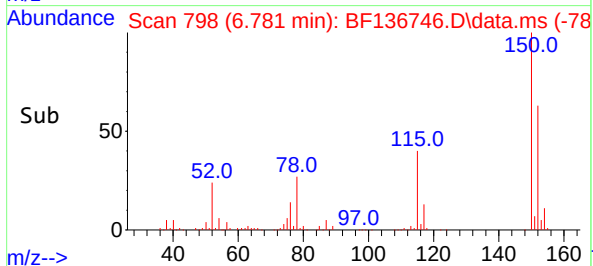
Instrument :
BNA_F
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NB-08-11162023



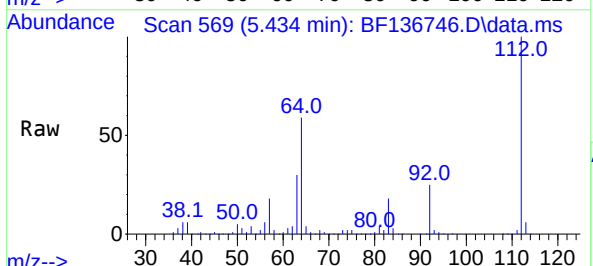
Tgt Ion:152 Resp: 58510
Ion Ratio Lower Upper
152 100
150 157.7 127.0 190.6
115 62.9 49.0 73.4

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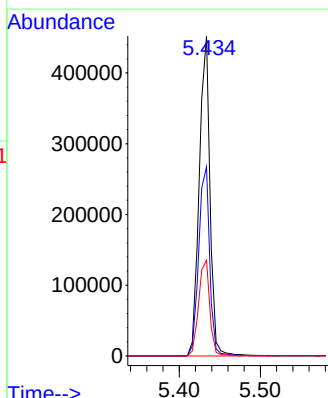
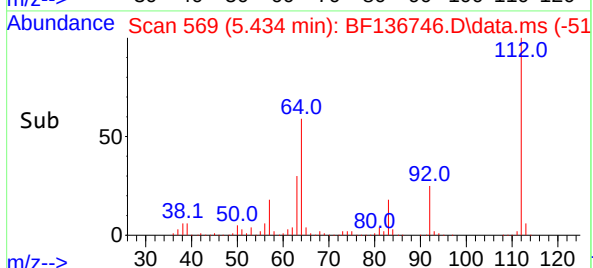
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



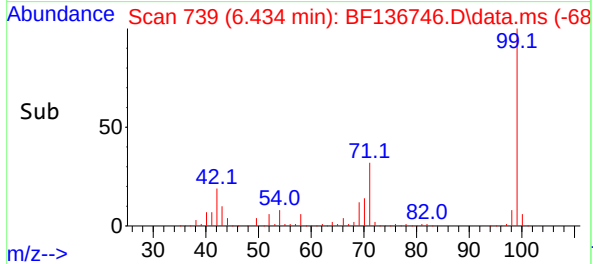
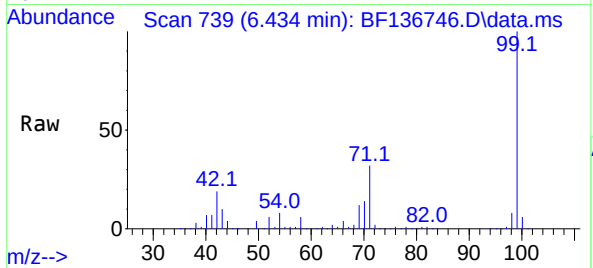
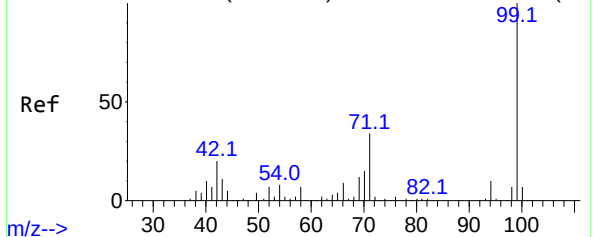
#5
2-Fluorophenol
Concen: 111.529 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18



Tgt Ion:112 Resp: 418228
Ion Ratio Lower Upper
112 100
64 59.1 51.1 76.7
63 30.0 26.1 39.1



Abundance Scan 740 (6.439 min): BF136645.D\data.ms (-73



#7

Phenol-d6

Concen: 100.822 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136746.D

Acq: 27 Dec 2023 05:18

Instrument :

BNA_F

ClientSampleId :

NB-08-11162023

Tgt Ion: 99 Resp: 489900

Ion Ratio Lower Upper

99 100

42 19.2 16.1 24.1

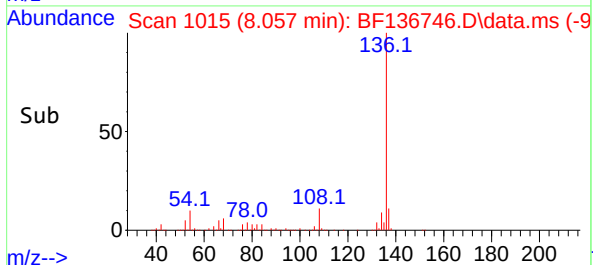
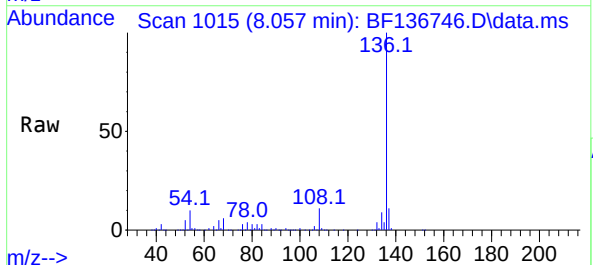
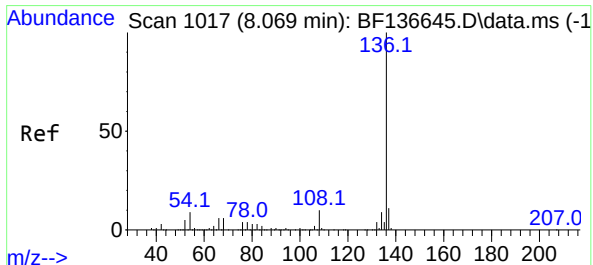
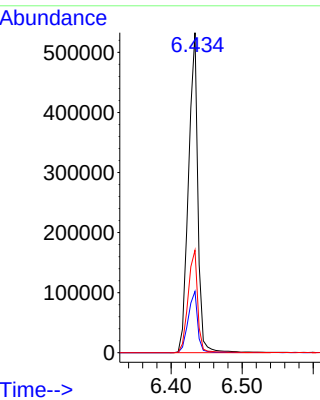
71 32.0 27.4 41.2

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.012 min

Lab File: BF136746.D

Acq: 27 Dec 2023 05:18

Tgt Ion:136 Resp: 192424

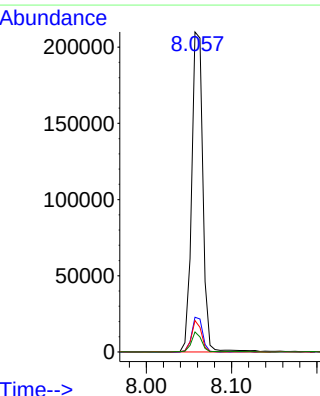
Ion Ratio Lower Upper

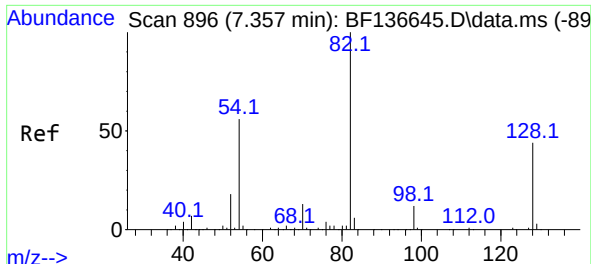
136 100

137 10.9 9.0 13.4

54 9.8 7.2 10.8

68 6.3 4.9 7.3





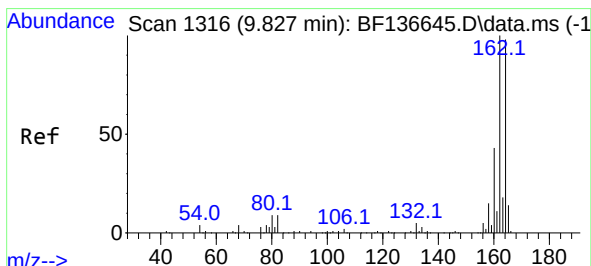
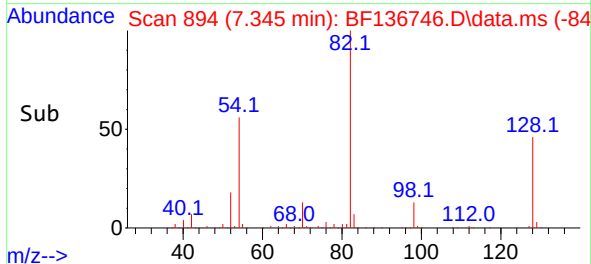
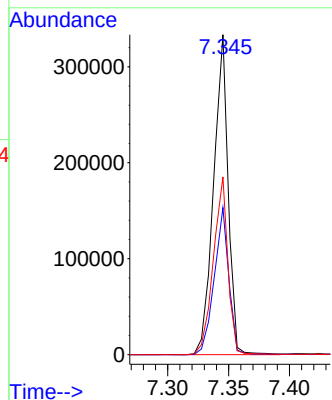
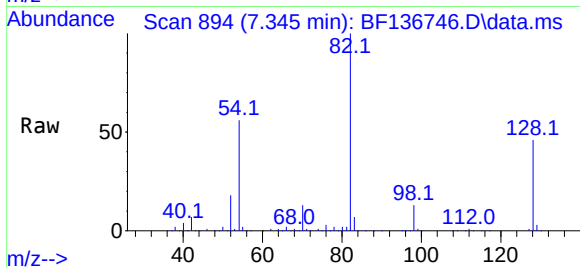
#23
Nitrobenzene-d5
Concen: 74.360 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18

Instrument :
BNA_F
ClientSampleId :
NB-08-11162023

Tgt Ion: 82 Resp: 27962
Ion Ratio Lower Upper
82 100
128 45.9 35.3 52.9
54 55.6 44.5 66.7

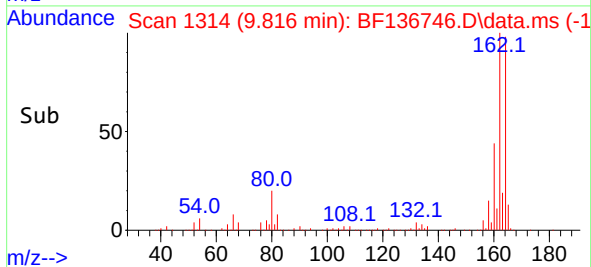
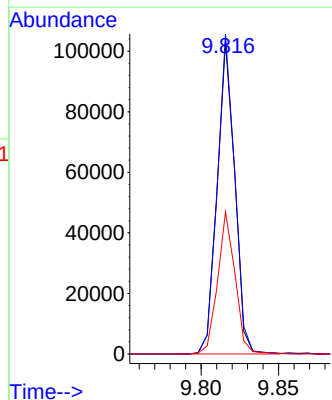
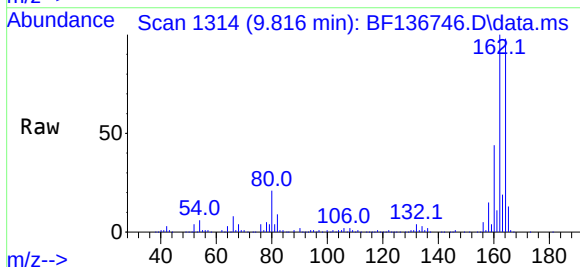
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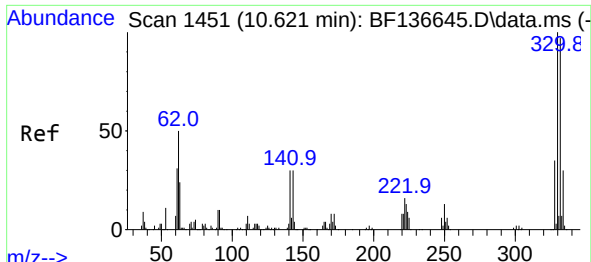
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18

Tgt Ion:164 Resp: 81538
Ion Ratio Lower Upper
164 100
162 102.5 81.6 122.4
160 45.6 34.9 52.3





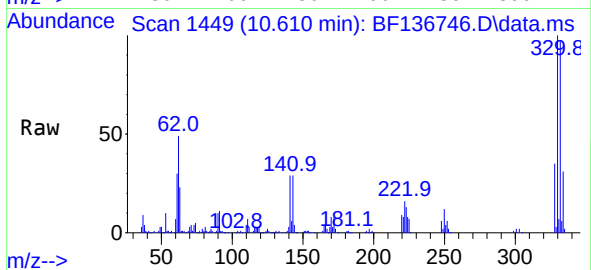
#42
2,4,6-Tribromophenol
Concen: 103.909 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18

Instrument :

BNA_F

ClientSampleId :

NB-08-11162023

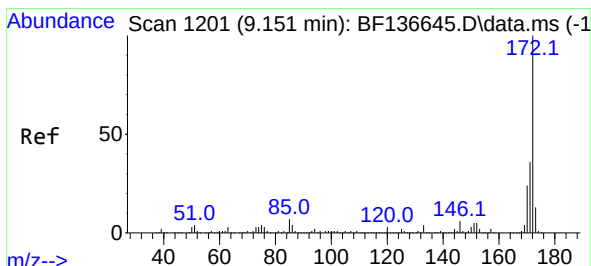
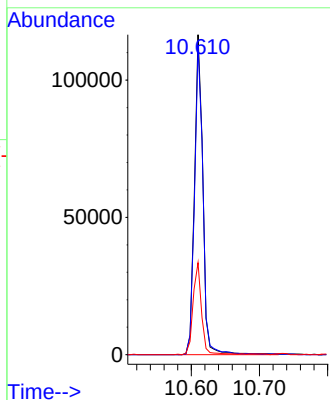
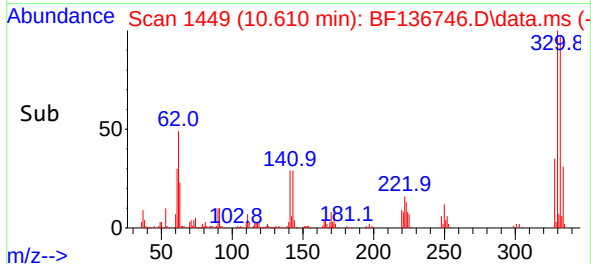


Tgt Ion:330 Resp: 9978
Ion Ratio Lower Upper
330 100
332 97.3 77.4 116.0
141 29.0 23.4 35.2

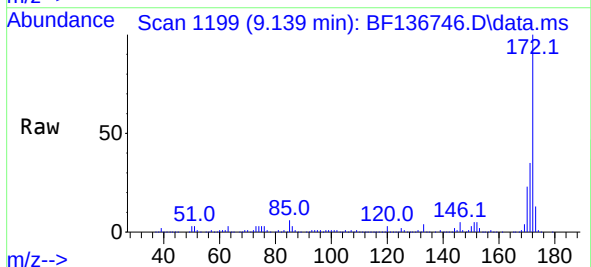
Manual Integrations

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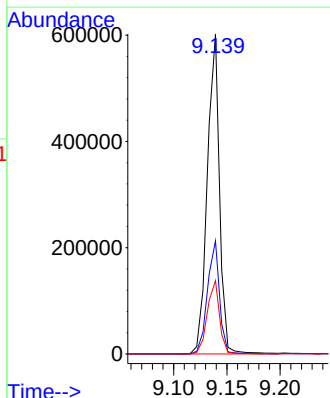
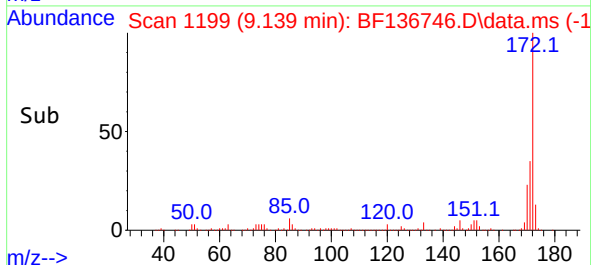
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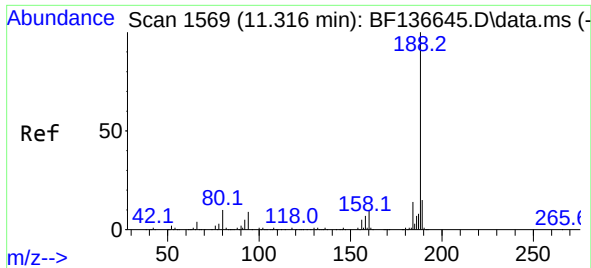


#45
2-Fluorobiphenyl
Concen: 79.520 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18



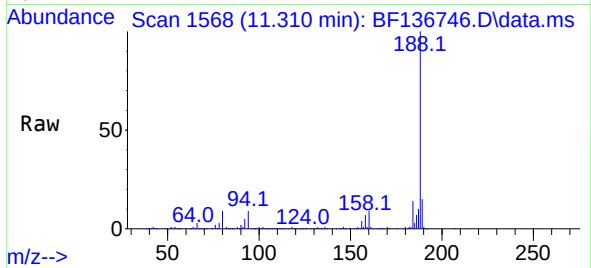
Tgt Ion:172 Resp: 482080
Ion Ratio Lower Upper
172 100
171 35.4 29.0 43.6
170 23.0 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18

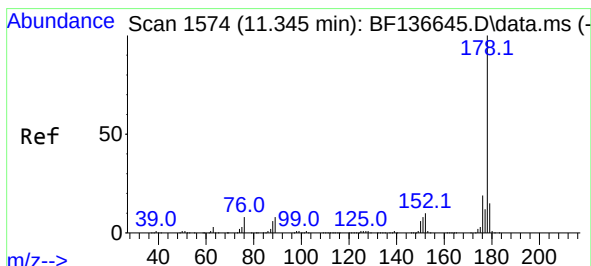
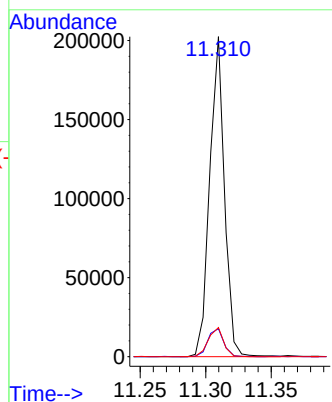
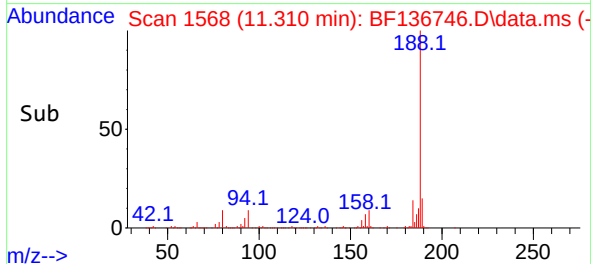
Instrument :
BNA_F
ClientSampleId :
NB-08-11162023



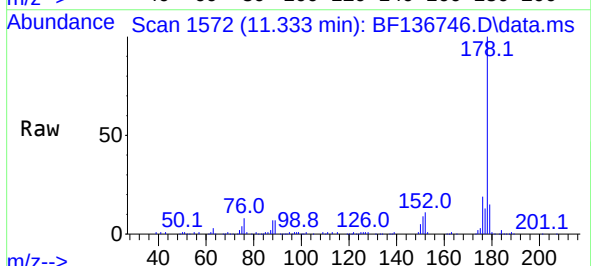
Tgt Ion:188 Resp: 159029
Ion Ratio Lower Upper
188 100
94 8.7 7.5 11.3
80 9.1 8.1 12.1

Manual Integrations
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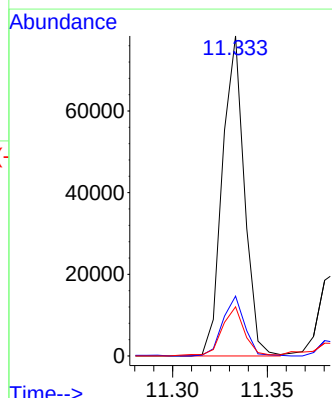
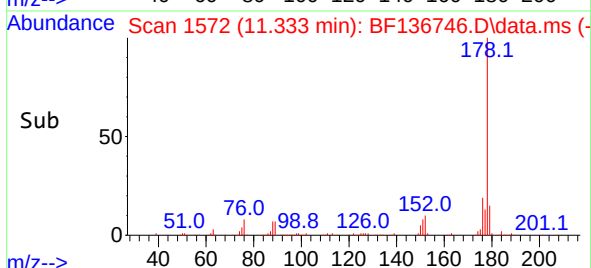
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

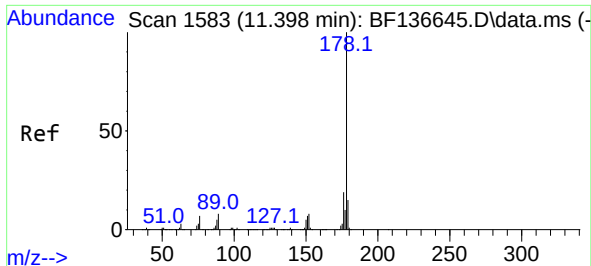


#71
Phenanthrene
Concen: 7.753 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18



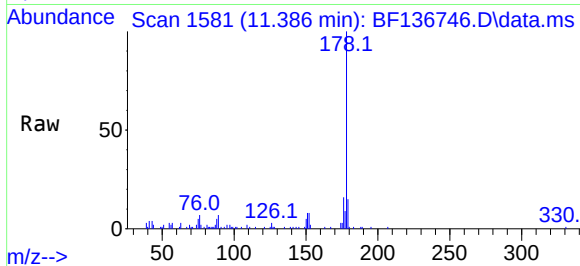
Tgt Ion:178 Resp: 63261
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.3 11.9 17.9





#72
 Anthracene
 Concen: 2.342 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136746.D
 Acq: 27 Dec 2023 05:18

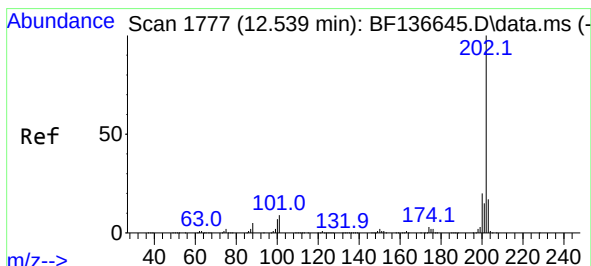
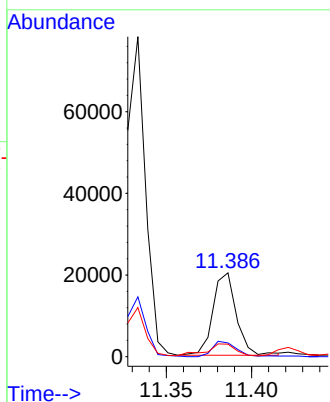
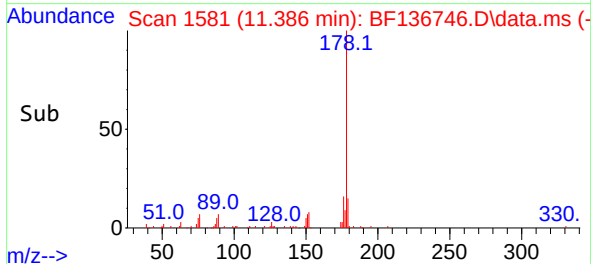
Instrument :
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 NB-08-11162023



Tgt Ion:178 Resp: 1935
 Ion Ratio Lower Upper
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 176 16.3 14.9 22.3
 179 15.0 11.8 17.6

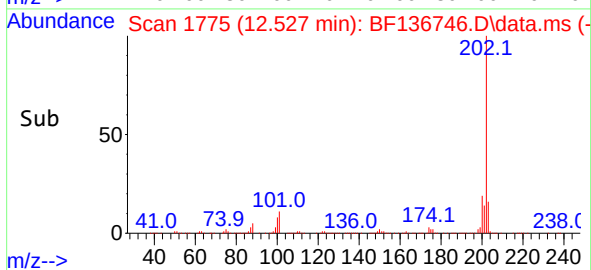
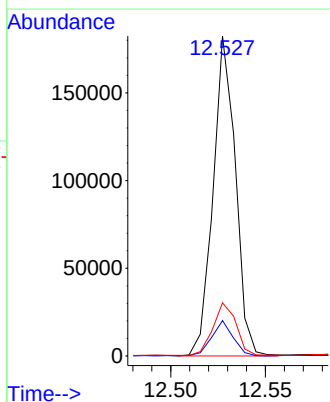
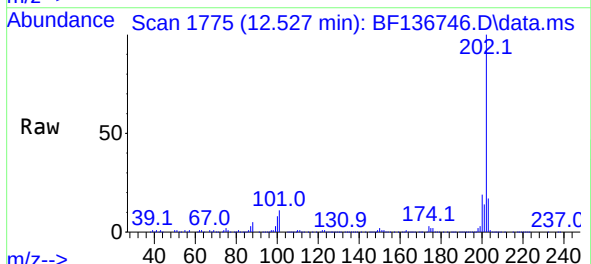
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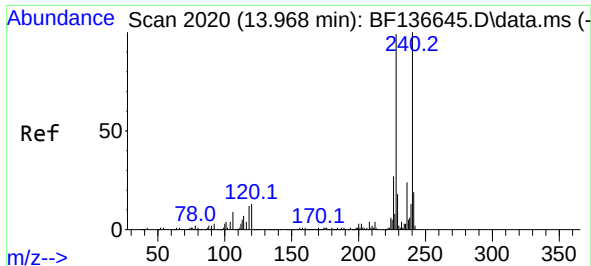
Reviewed By :Yogesh Patel 12/27/2023
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#75
 Fluoranthene
 Concen: 17.194 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136746.D
 Acq: 27 Dec 2023 05:18

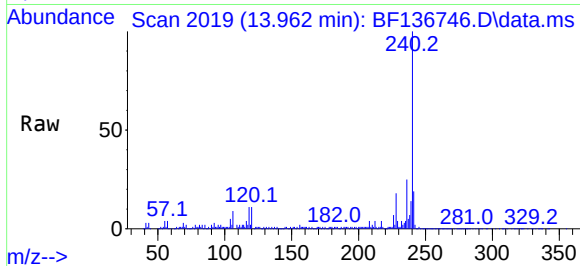
Tgt Ion:202 Resp: 150077
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 29.3
 203 16.6 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18

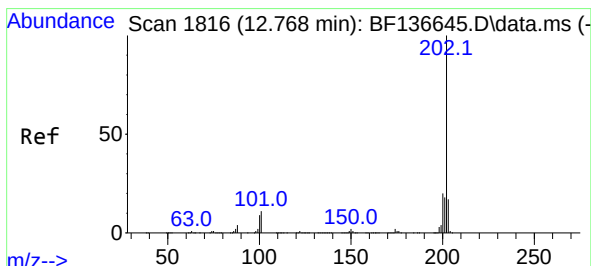
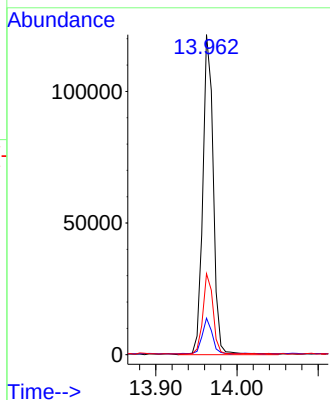
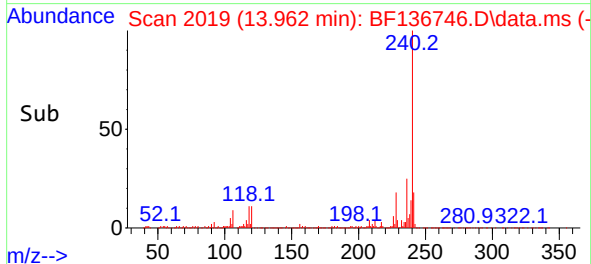
Instrument :
BNA_F
ClientSampleId :
NB-08-11162023



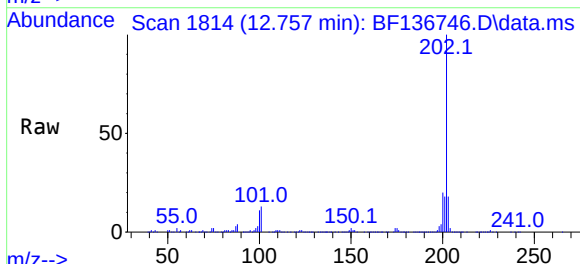
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Ion Ratio Lower Upper
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120 11.4 10.3 15.5
236 25.3 19.4 29.2

Manual Integrations
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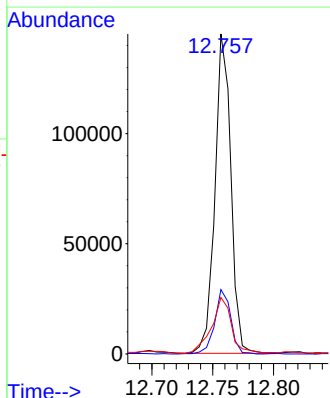
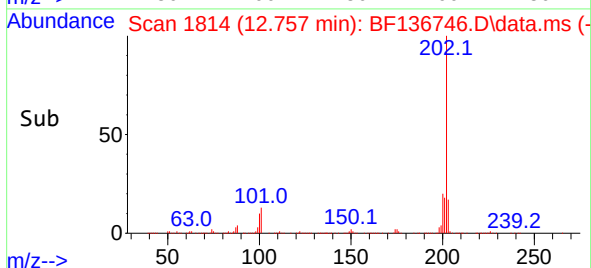
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

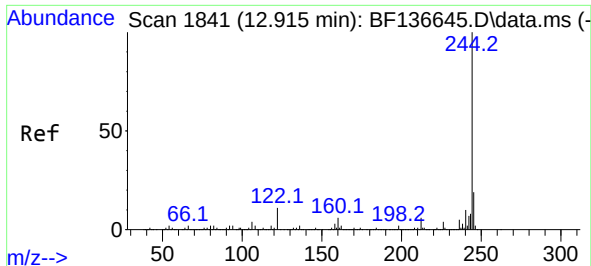


#78
Pyrene
Concen: 12.344 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18



Tgt Ion:202 Resp: 132228
Ion Ratio Lower Upper
202 100
200 20.1 15.9 23.9
203 17.7 13.8 20.6





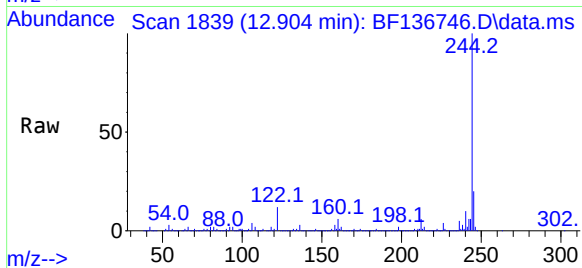
#79
 Terphenyl-d14
 Concen: 71.582 ng
 RT: 12.904 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136746.D
 Acq: 27 Dec 2023 05:18

Instrument :

BNA_F

ClientSampleId :

NB-08-11162023

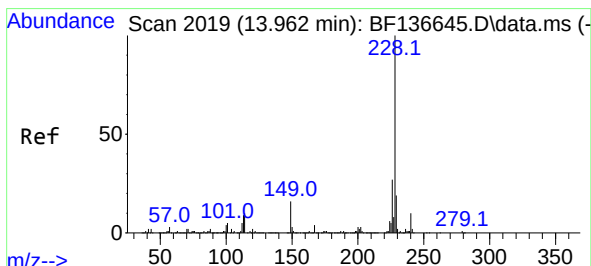
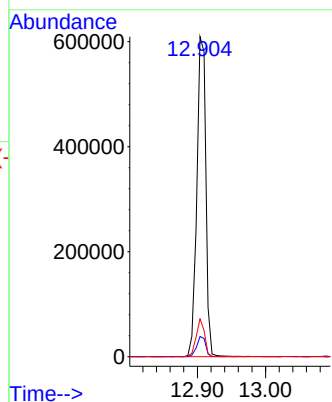
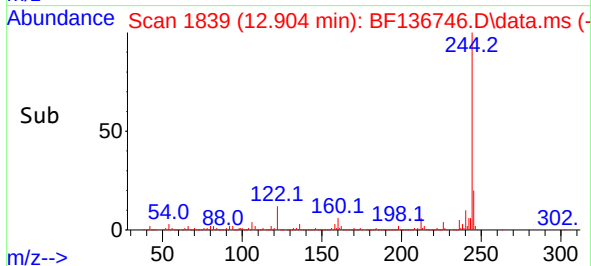


Tgt Ion:244 Resp: 558938
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 11.8 9.0 13.4

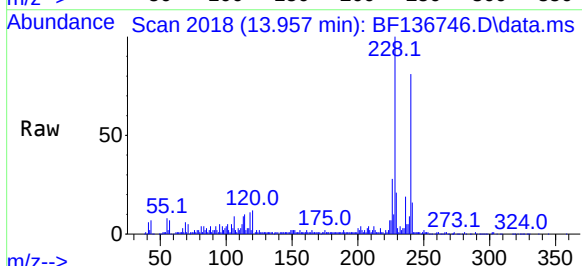
Manual Integrations

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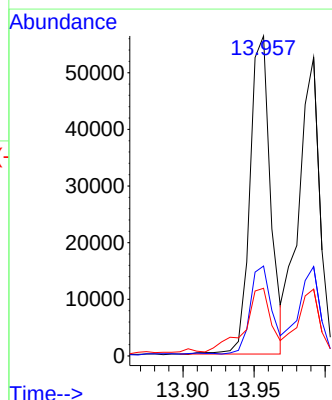
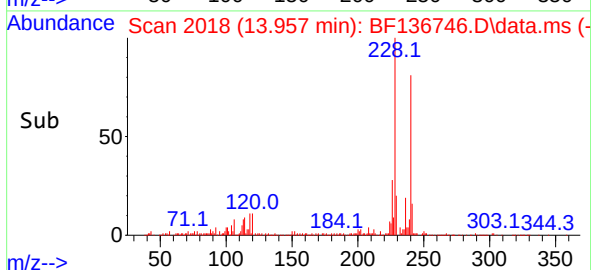
Reviewed By :Yogesh Patel 12/27/2023
 Supervised By :mohammad ahmed 12/27/2023

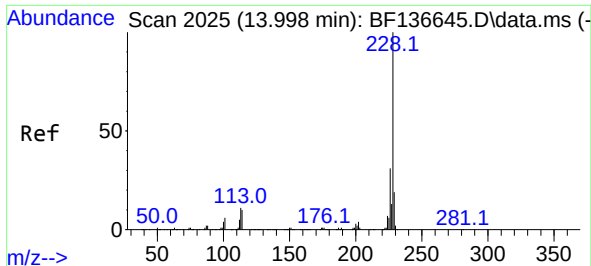


#81
 Benzo(a)anthracene
 Concen: 7.425 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF136746.D
 Acq: 27 Dec 2023 05:18



Tgt Ion:228 Resp: 56258
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.4 32.0
 229 21.1 14.9 22.3





#83
Chrysene
Concen: 7.380 ng
RT: 13.992 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18

Instrument :

BNA_F

ClientSampleId :

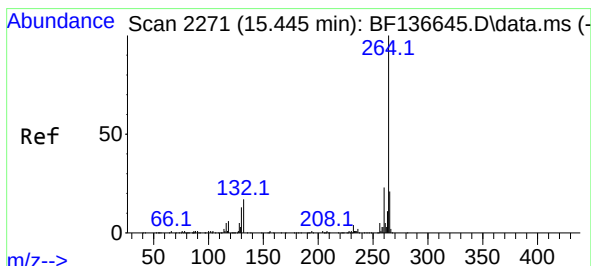
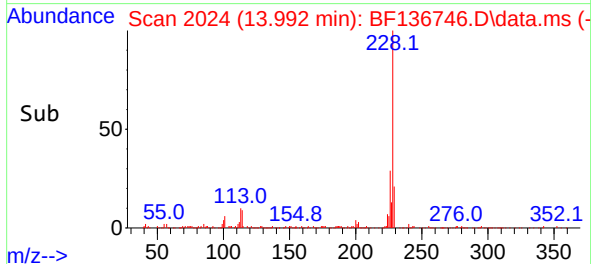
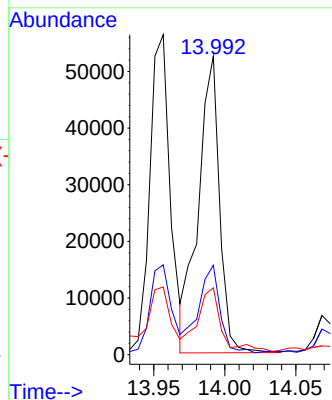
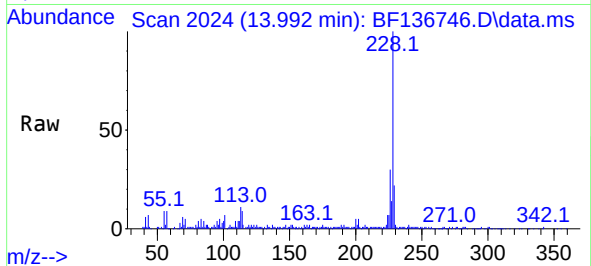
NB-08-11162023

Tgt Ion:228 Resp: 54680
Ion Ratio Lower Upper
228 100
226 30.0 24.7 37.1
229 22.4 15.4 23.0

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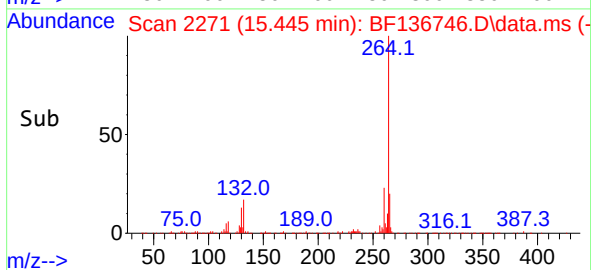
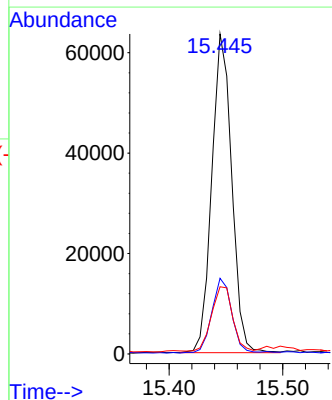
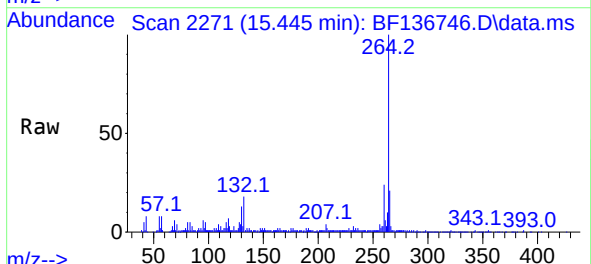
APPROVED

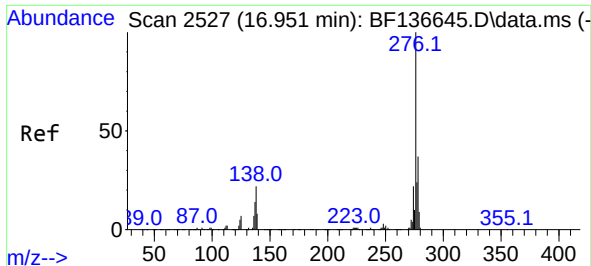
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18

Tgt Ion:264 Resp: 77526
Ion Ratio Lower Upper
264 100
260 23.7 18.3 27.5
265 21.0 17.0 25.6





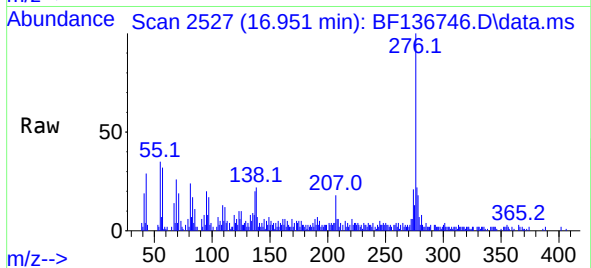
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.321 ng
RT: 16.951 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18

Instrument :

BNA_F

ClientSampleId :

NB-08-11162023

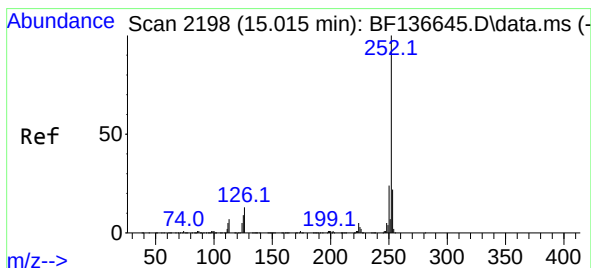
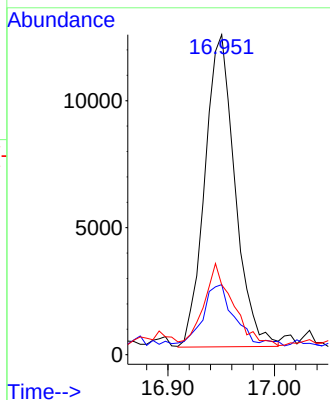
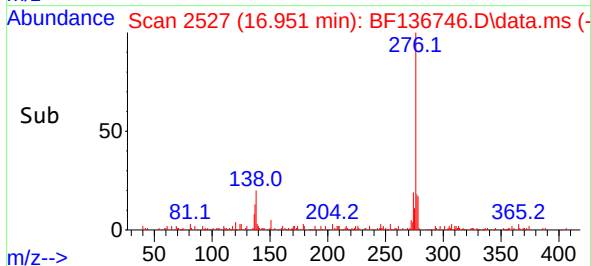


Tgt Ion:276 Resp: 24189
Ion Ratio Lower Upper
276 100
138 18.9 18.7 28.1
277 24.8 20.2 30.2

Manual Integrations

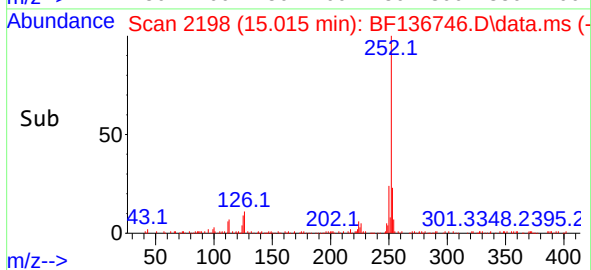
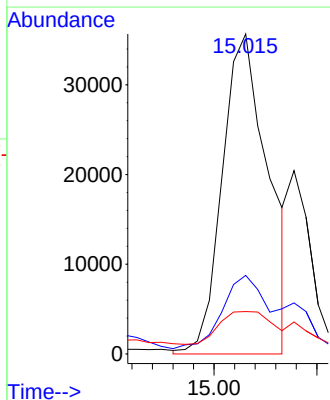
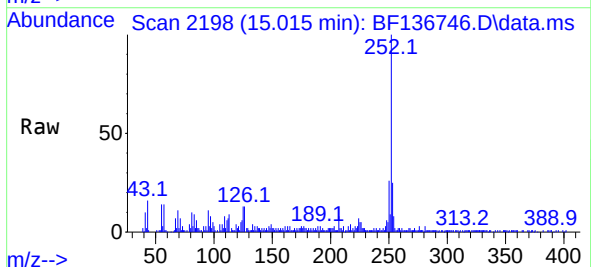
APPROVED

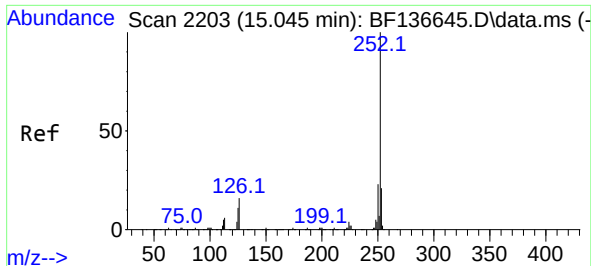
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#88
Benzo(b)fluoranthene
Concen: 10.691 ng m
RT: 15.015 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18

Tgt Ion:252 Resp: 55360
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.0
125 13.3 7.4 11.2#





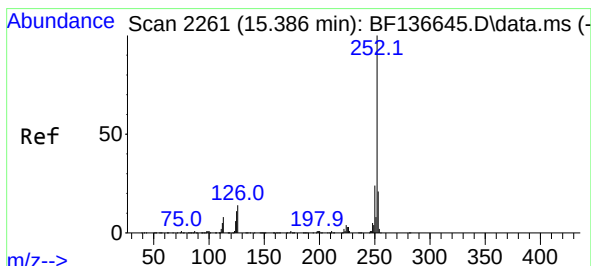
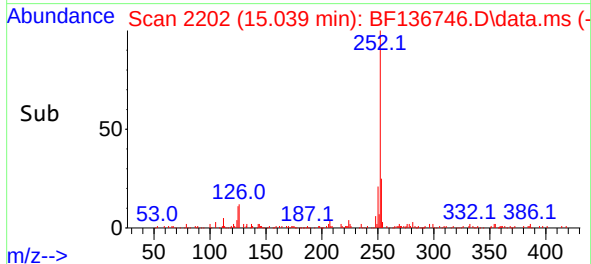
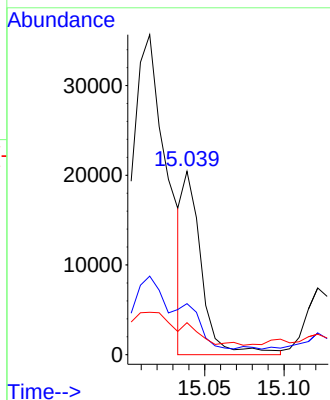
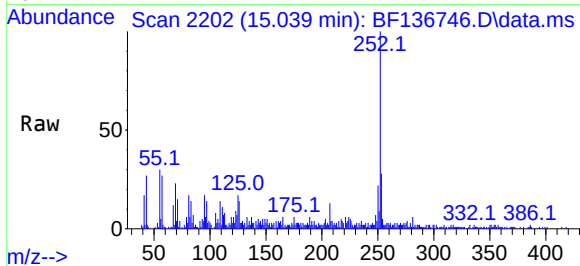
#89
Benzo(k)fluoranthene
Concen: 3.409 ng m
RT: 15.039 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18

Instrument :
BNA_F
ClientSampleId :
NB-08-11162023

Tgt Ion:252 Resp: 16680
Ion Ratio Lower Upper
252 100
253 27.8 17.0 25.6
125 17.5 8.2 12.4

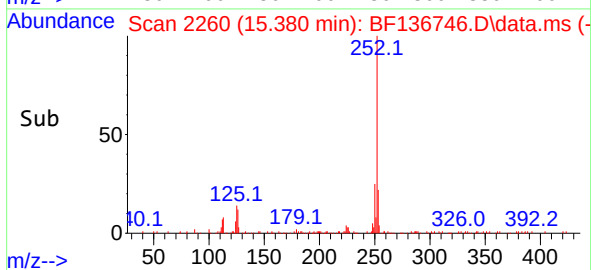
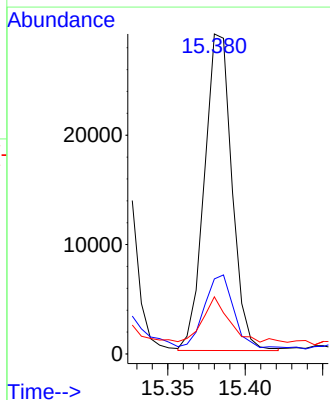
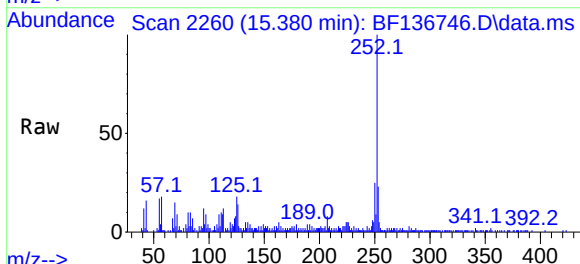
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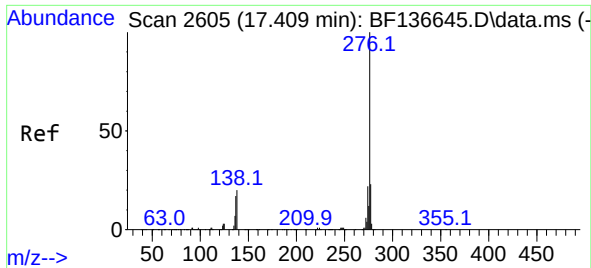
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#90
Benzo(a)pyrene
Concen: 8.208 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.006 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18

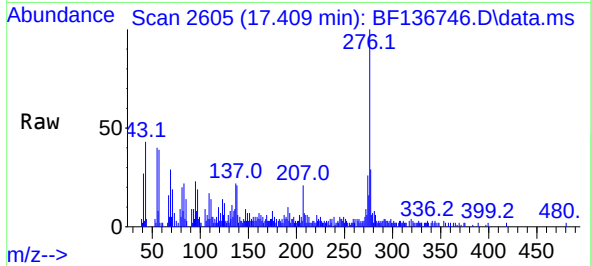
Tgt Ion:252 Resp: 35876
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 17.8 8.8 13.2





#92
Benzo(g,h,i)perylene
Concen: 5.100 ng
RT: 17.409 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF136746.D
Acq: 27 Dec 2023 05:18

Instrument :
BNA_F
ClientSampleId :
NB-08-11162023



Tgt Ion: 276 Resp: 2398
Ion Ratio Lower Upper
276 100
277 29.4 18.3 27.5
138 20.9 15.6 23.4

Manual Integrations
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Reviewed By : Yogesh Patel 12/27/2023
Supervised By : mohammad ahmed 12/27/2023

