

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
 Data File : BF136723.D
 Acq On : 26 Dec 2023 17:09
 Operator : CG\JU
 Sample : 05796-02RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-05-10.25-11.25RE

Quant Time: Dec 26 18:23:44 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.780	152	70410	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	224283	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	97400	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	181501	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	147086	20.000	ng	0.00
86) Perylene-d12	15.451	264	100169	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	8561	1.897	ng	0.00
7) Phenol-d6	6.428	99	210837	36.057	ng	-0.01
23) Nitrobenzene-d5	7.345	82	249820	56.997	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	105	0.092	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	448459	61.927	ng	-0.01
79) Terphenyl-d14	12.904	244	504364	47.920	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.327	178	58929	6.328	ng	97
75) Fluoranthene	12.527	202	118596	11.905	ng	98
78) Pyrene	12.757	202	103269	7.152	ng	99
81) Benzo(a)anthracene	13.956	228	51354	5.028	ng	96
83) Chrysene	13.992	228	50383	5.044	ng	97
87) Indeno(1,2,3-cd)pyrene	16.945	276	18613	2.574	ng	96
88) Benzo(b)fluoranthene	15.015	252	44297m	6.621	ng	
89) Benzo(k)fluoranthene	15.039	252	15272m	2.416	ng	
90) Benzo(a)pyrene	15.386	252	25789	4.567	ng	# 64
92) Benzo(g,h,i)perylene	17.403	276	17354	2.856	ng	99

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

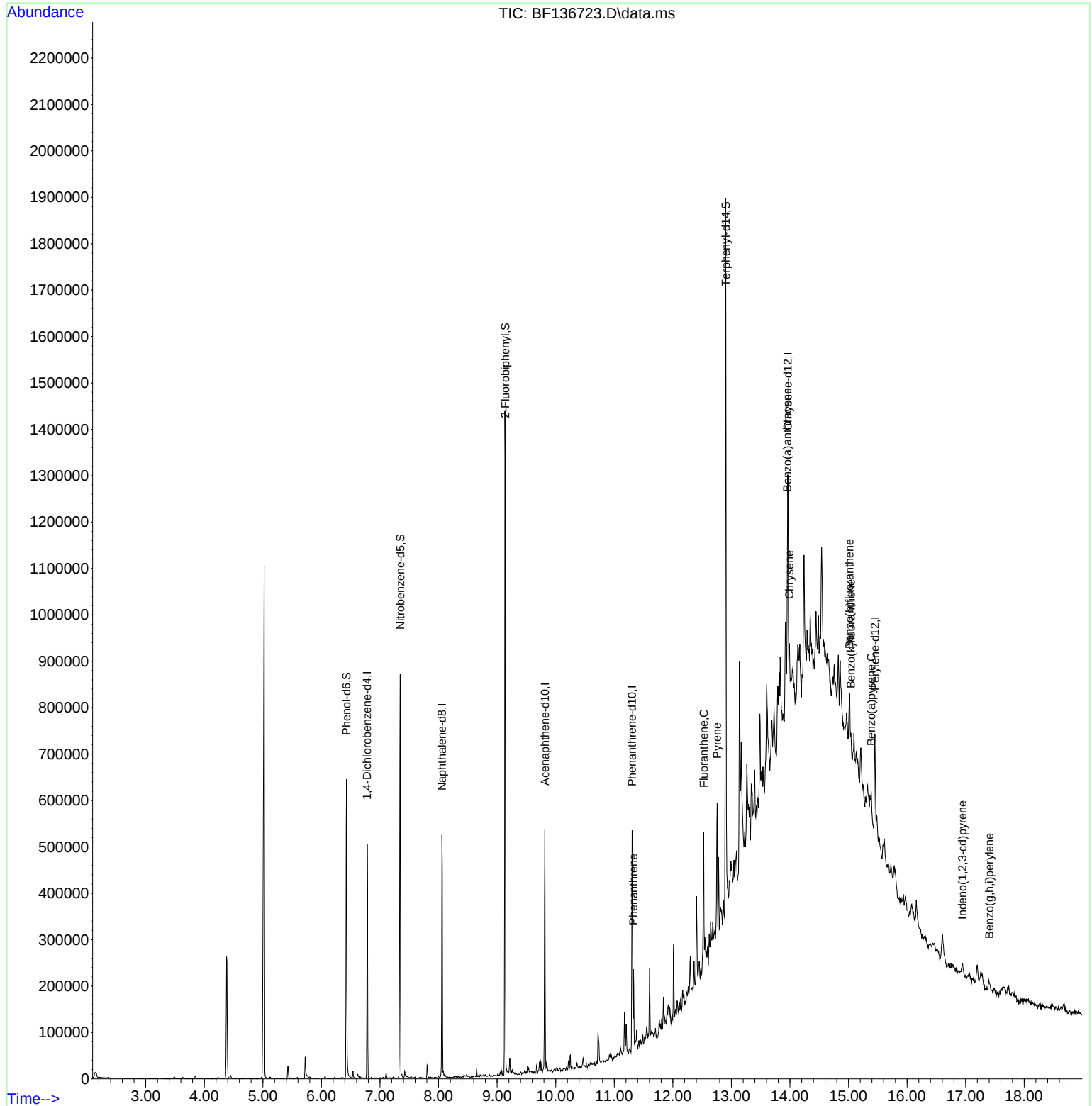
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136723.D
Acq On : 26 Dec 2023 17:09
Operator : CG\JU
Sample : 05796-02RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

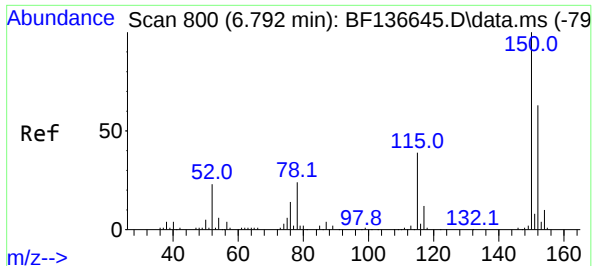
Instrument :
BNA_F
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RT-SB-05-10.25-11.25RE

Quant Time: Dec 26 18:23:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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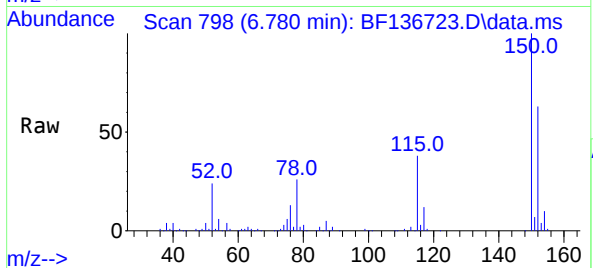
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Supervised By :mohammad ahmed 12/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.780 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09

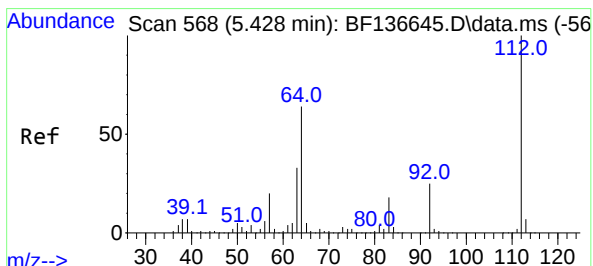
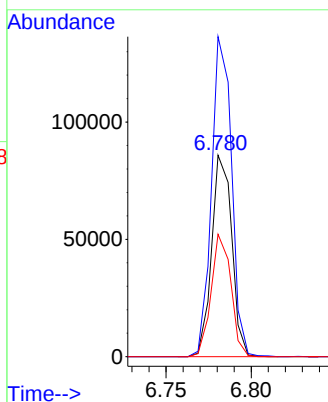
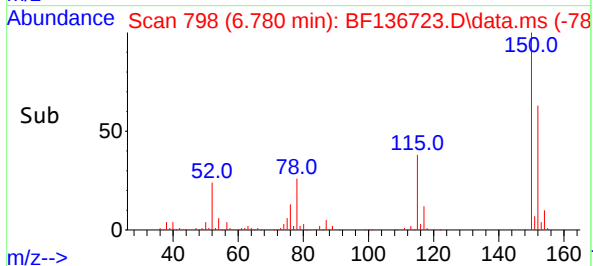
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25RE



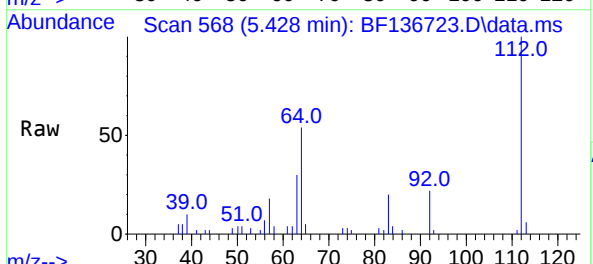
Tgt Ion:152 Resp: 70410
Ion Ratio Lower Upper
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150 158.9 127.0 190.6
115 60.8 49.0 73.4

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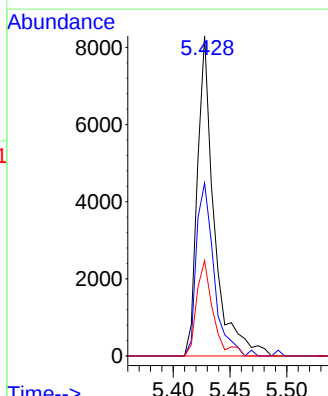
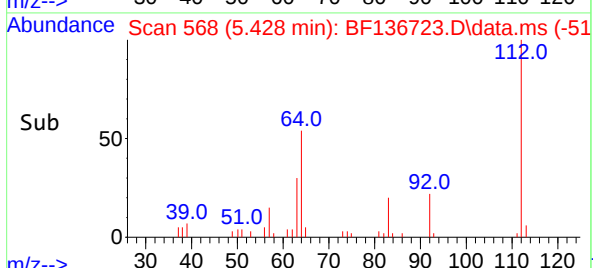
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

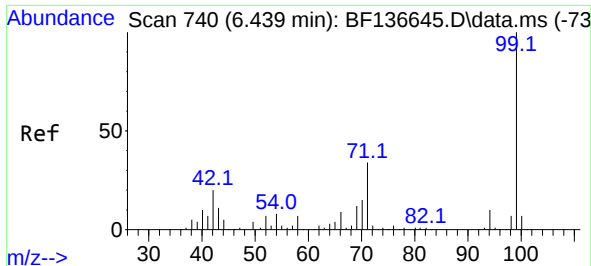


#5
2-Fluorophenol
Concen: 1.897 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09



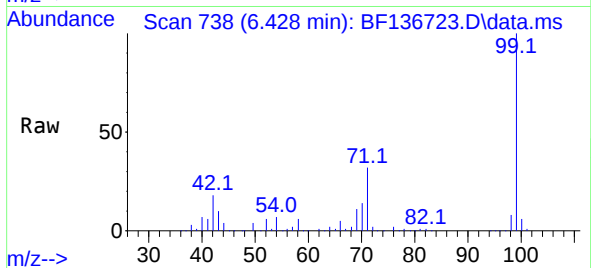
Tgt Ion:112 Resp: 8561
Ion Ratio Lower Upper
112 100
64 54.1 51.1 76.7
63 29.8 26.1 39.1





#7
Phenol-d6
Concen: 36.057 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09

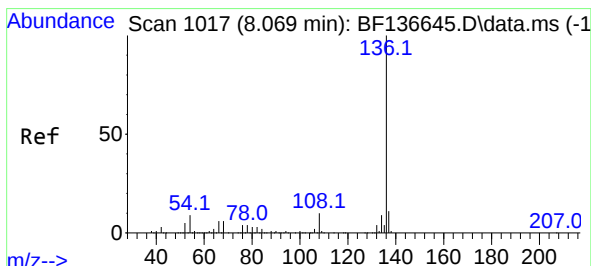
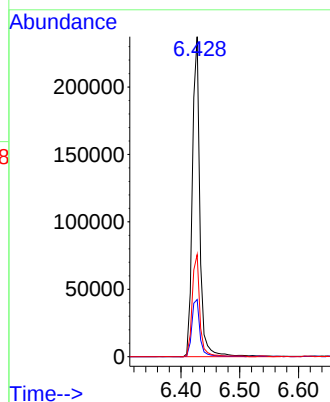
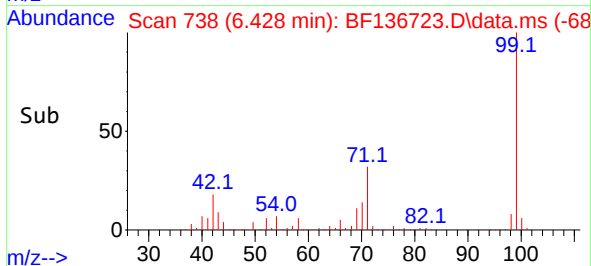
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25RE



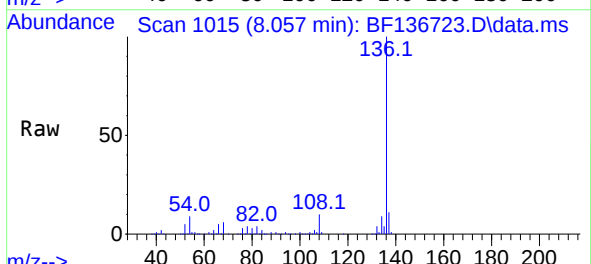
Tgt Ion: 99 Resp: 21083
Ion Ratio Lower Upper
99 100
42 17.8 16.1 24.1
71 31.9 27.4 41.2

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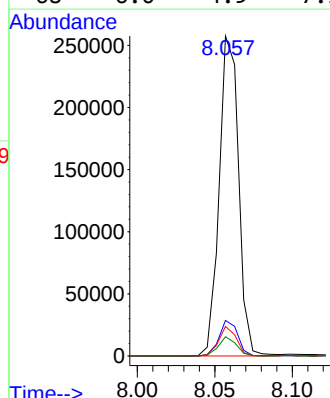
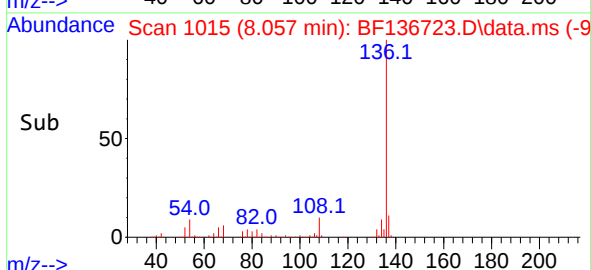
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

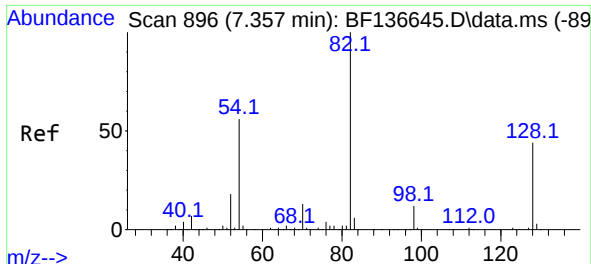


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09



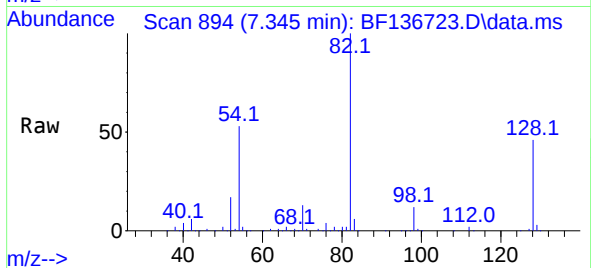
Tgt Ion:136 Resp: 224283
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.2 7.2 10.8
68 6.0 4.9 7.3





#23
Nitrobenzene-d5
Concen: 56.997 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09

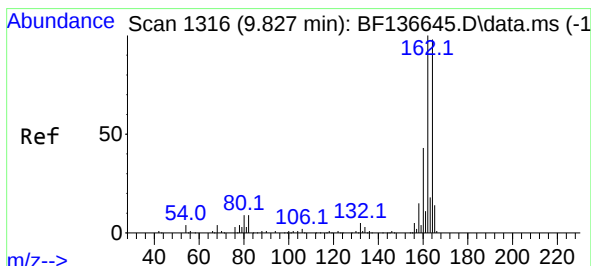
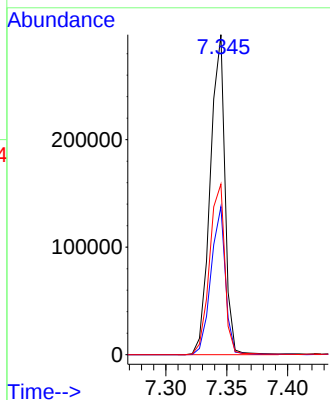
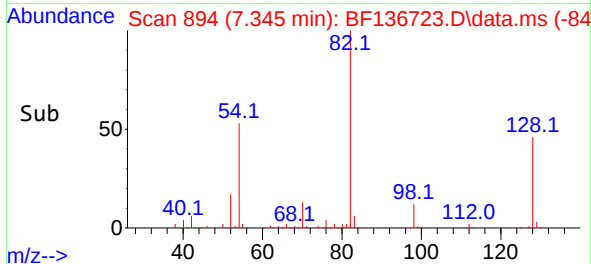
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25RE



Tgt Ion: 82 Resp: 249820
Ion Ratio Lower Upper
82 100
128 46.2 35.3 52.9
54 53.3 44.5 66.7

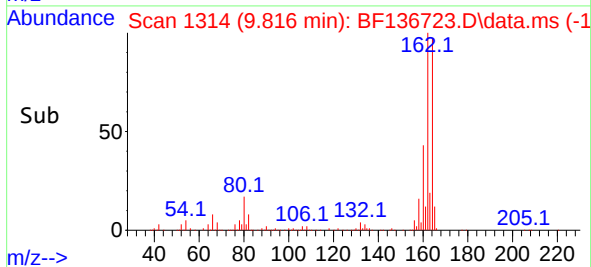
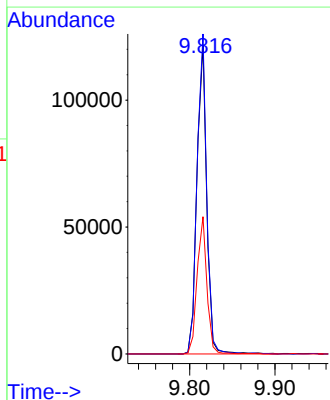
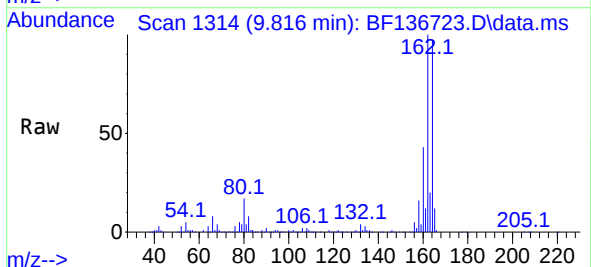
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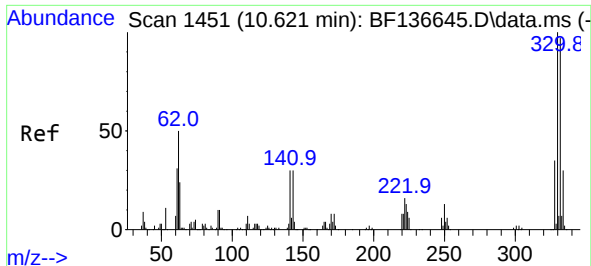
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09

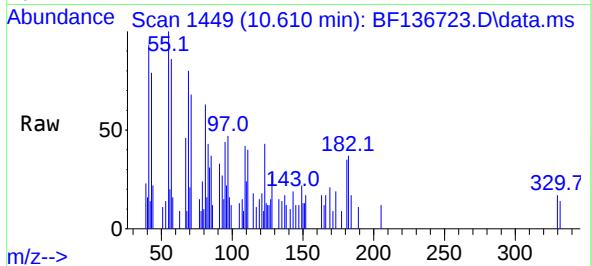
Tgt Ion:164 Resp: 97400
Ion Ratio Lower Upper
164 100
162 103.5 81.6 122.4
160 44.4 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 0.092 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09

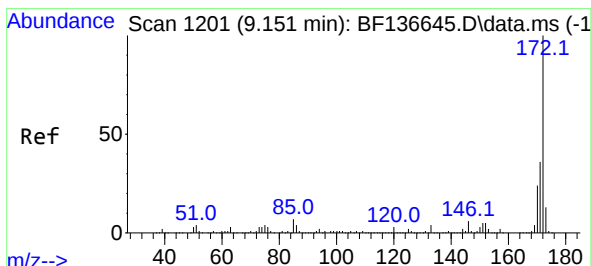
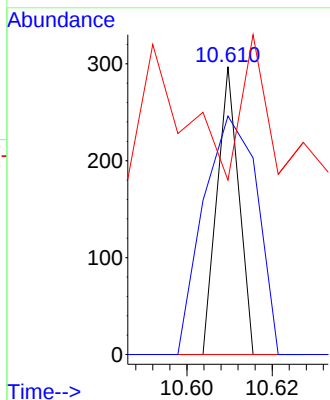
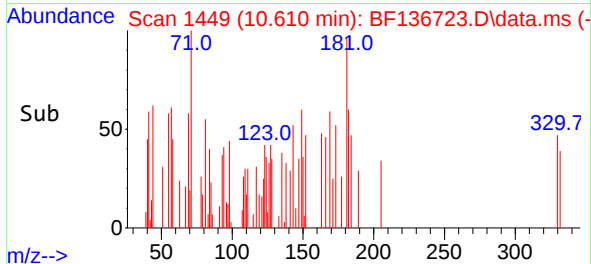
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BNA_F
Client Sample Id :
RT-SB-05-10.25-11.25RE



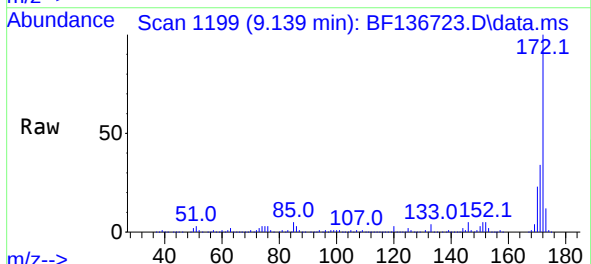
Tgt Ion: 330 Resp: 100000
Ion Ratio Lower Upper
330 100
332 204.8 77.4 116.0
141 444.8 23.4 35.2

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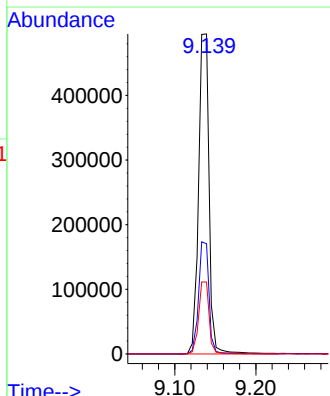
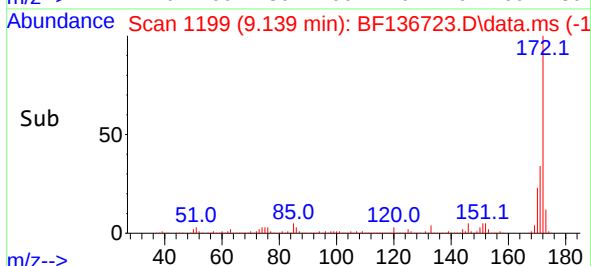
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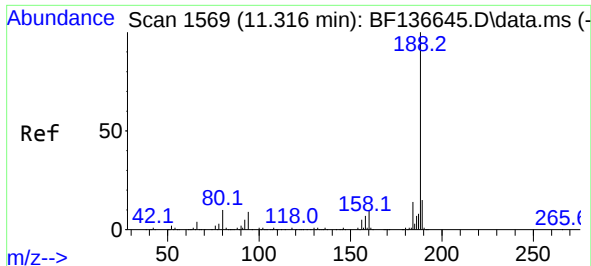


#45
2-Fluorobiphenyl
Concen: 61.927 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09



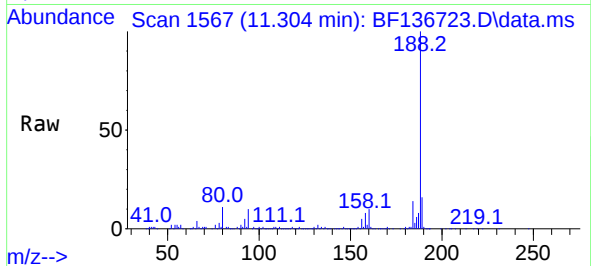
Tgt Ion: 172 Resp: 448459
Ion Ratio Lower Upper
172 100
171 34.4 29.0 43.6
170 22.5 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09

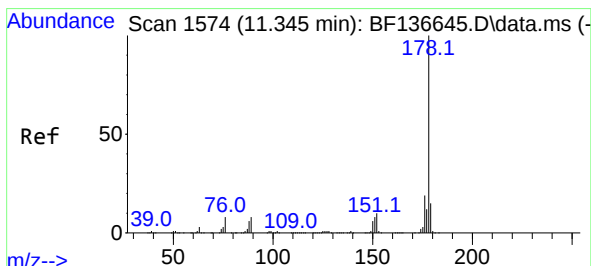
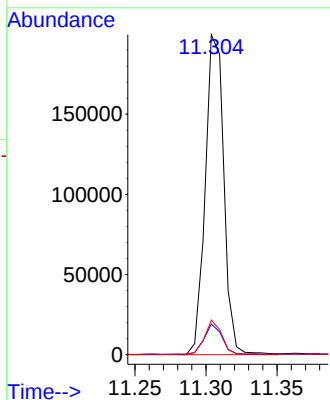
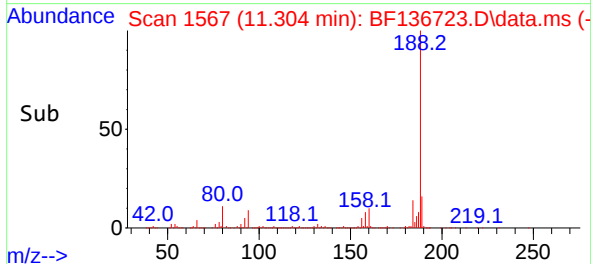
Instrument :
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RT-SB-05-10.25-11.25RE



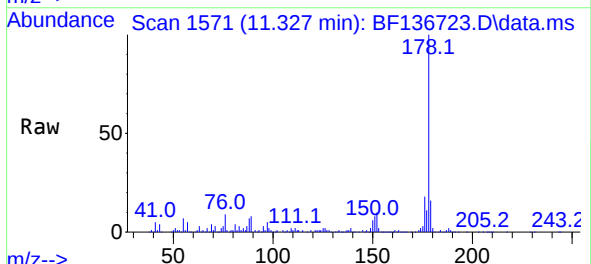
Tgt Ion:188 Resp: 18150
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 10.8 8.1 12.1

Manual Integrations
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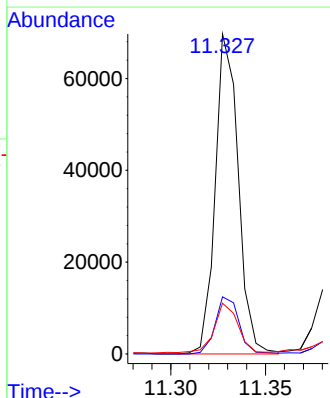
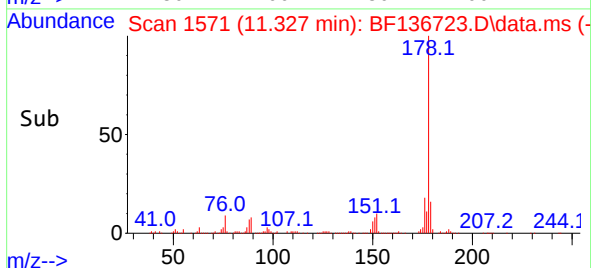
Reviewed By :Yogesh Patel 12/27/2023
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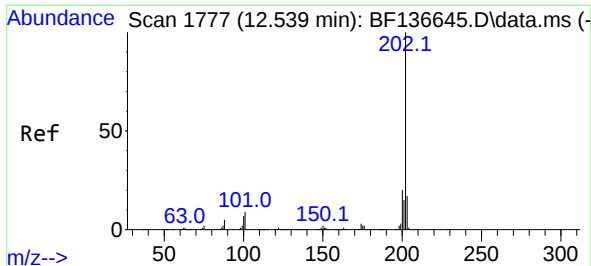


#71
Phenanthrene
Concen: 6.328 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09



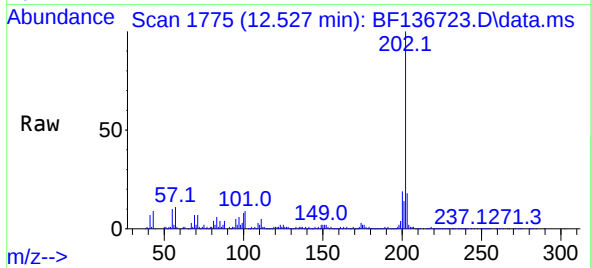
Tgt Ion:178 Resp: 58929
Ion Ratio Lower Upper
178 100
176 17.9 15.3 22.9
179 15.9 11.9 17.9





#75
Fluoranthene
Concen: 11.905 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09

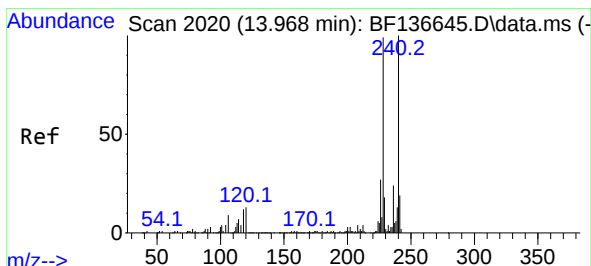
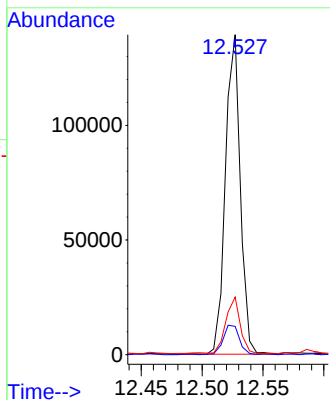
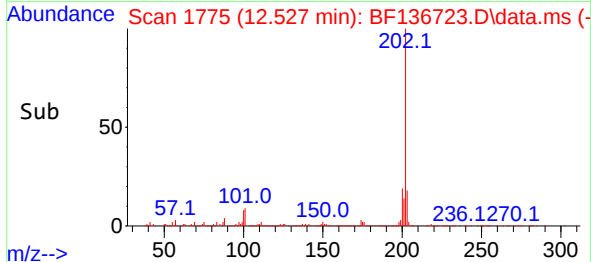
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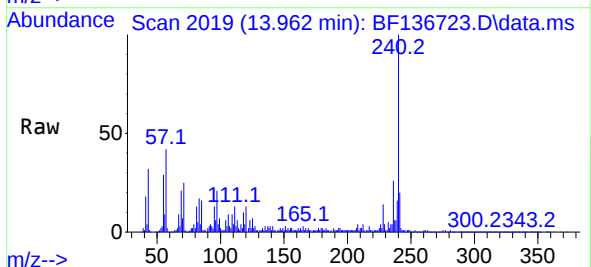
Tgt Ion:202 Resp: 118590
Ion Ratio Lower Upper
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101 8.9 0.0 29.3
203 18.0 0.0 37.1

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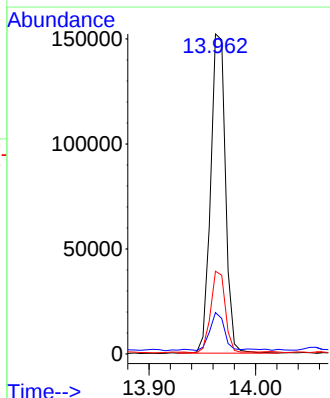
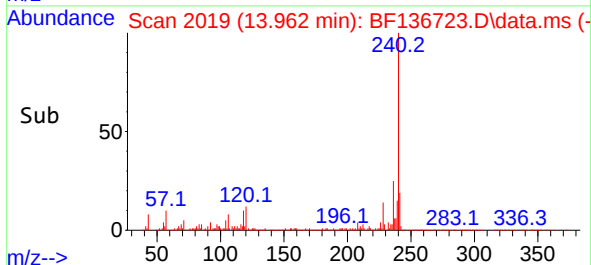
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

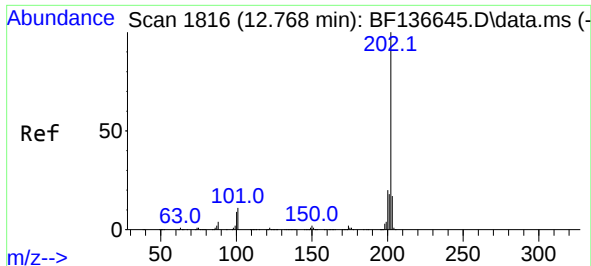


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09



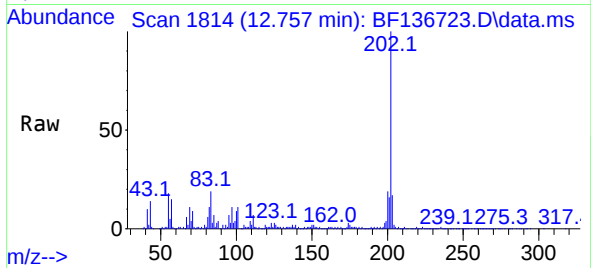
Tgt Ion:240 Resp: 147086
Ion Ratio Lower Upper
240 100
120 13.0 10.3 15.5
236 25.8 19.4 29.2





#78
Pyrene
Concen: 7.152 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09

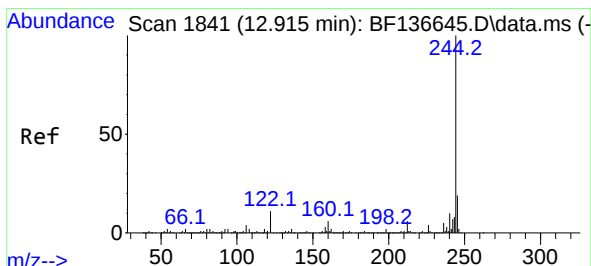
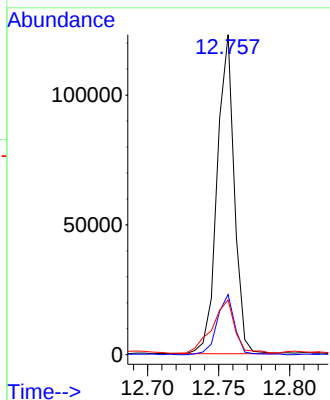
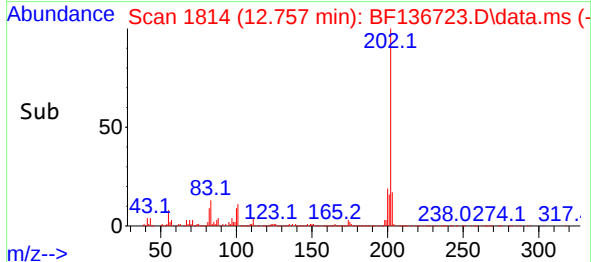
Instrument : BNA_F
ClientSampleId : RT-SB-05-10.25-11.25RE



Tgt Ion:202 Resp: 103269
Ion Ratio Lower Upper
202 100
200 18.8 15.9 23.9
203 17.1 13.8 20.6

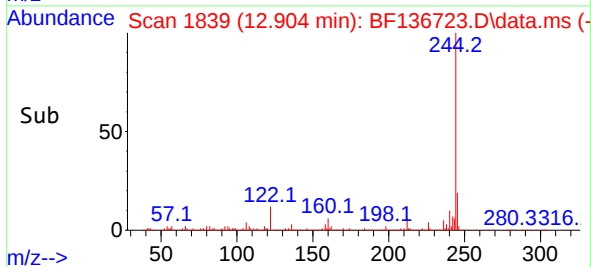
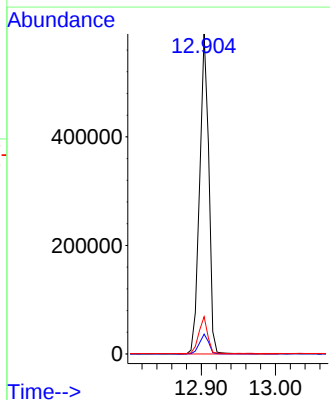
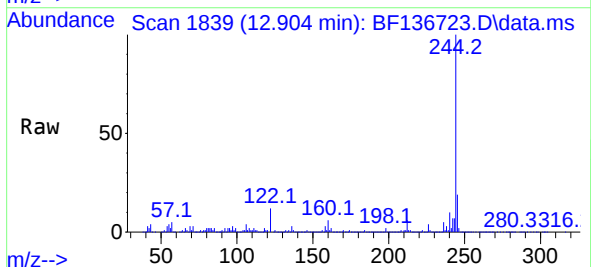
Manual Integrations
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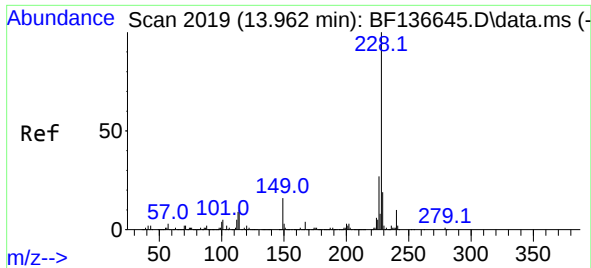
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#79
Terphenyl-d14
Concen: 47.920 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09

Tgt Ion:244 Resp: 504364
Ion Ratio Lower Upper
244 100
212 6.2 5.0 7.4
122 11.6 9.0 13.4





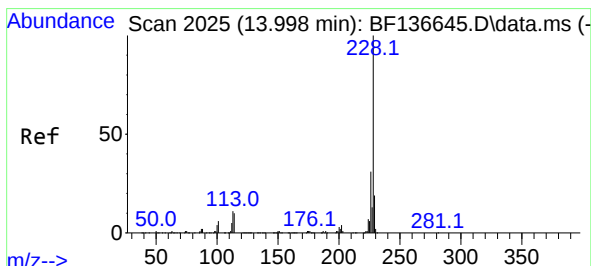
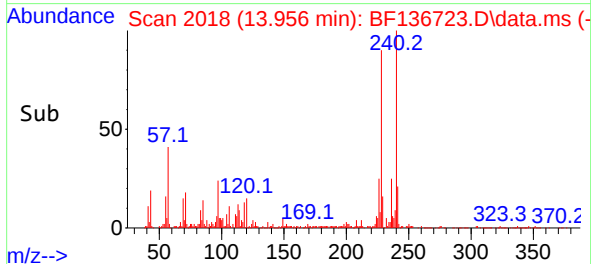
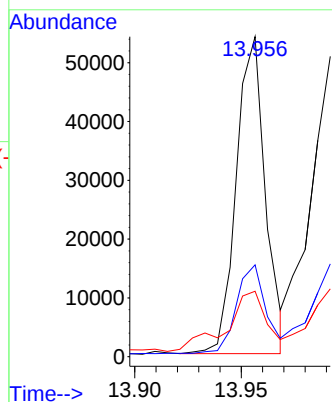
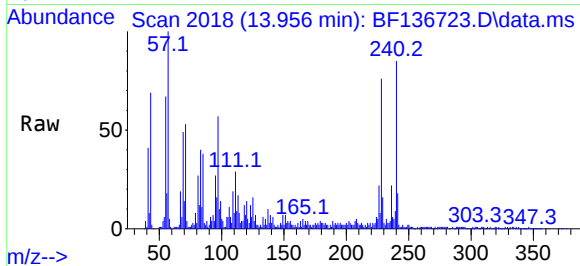
#81
Benzo(a)anthracene
Concen: 5.028 ng
RT: 13.956 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09

Instrument : BNA_F
ClientSampleId : RT-SB-05-10.25-11.25RE

Tgt Ion:228 Resp: 51354
Ion Ratio Lower Upper
228 100
226 28.7 21.4 32.0
229 20.5 14.9 22.3

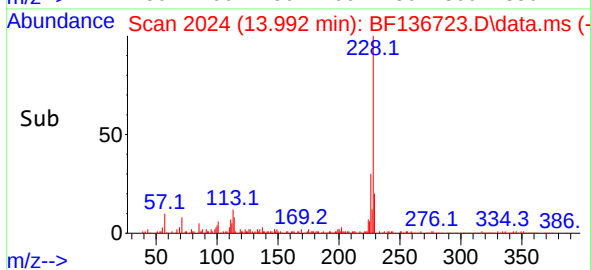
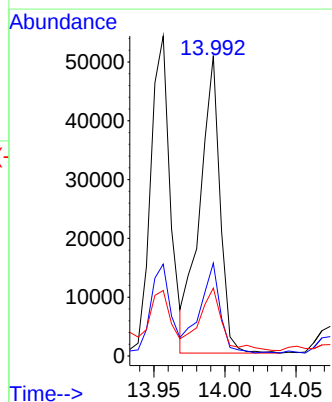
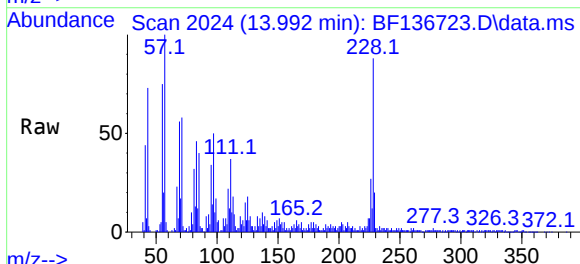
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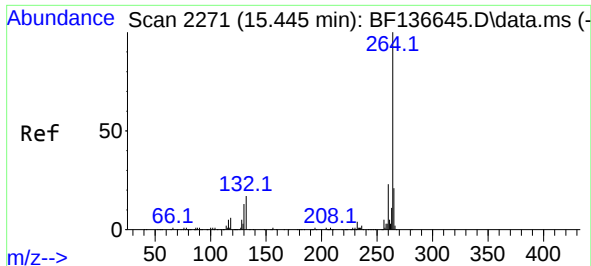
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#83
Chrysene
Concen: 5.044 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09

Tgt Ion:228 Resp: 50383
Ion Ratio Lower Upper
228 100
226 30.9 24.7 37.1
229 22.6 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136723.D

Acq: 26 Dec 2023 17:09

Instrument :

BNA_F

ClientSampleId :

RT-SB-05-10.25-11.25RE

Tgt Ion:264 Resp: 100169

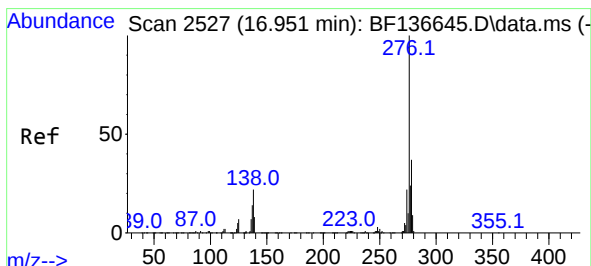
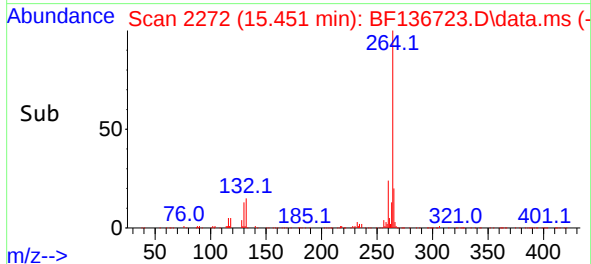
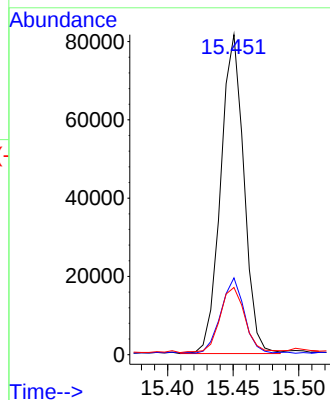
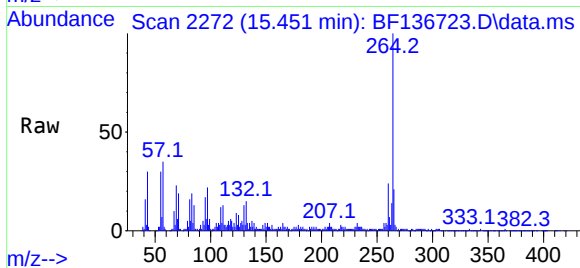
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.3	27.5
265	21.0	17.0	25.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/27/2023

Supervised By :mohammad ahmed 12/27/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.574 ng

RT: 16.945 min Scan# 2526

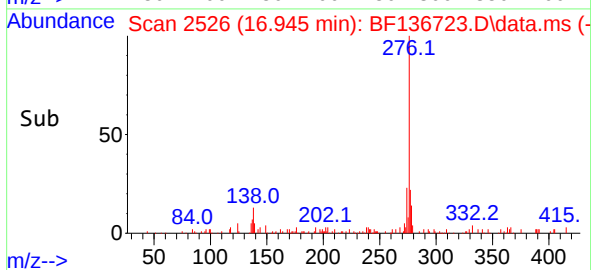
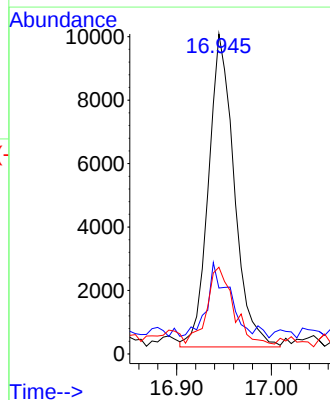
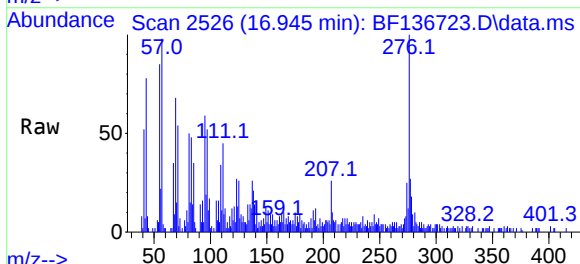
Delta R.T. -0.006 min

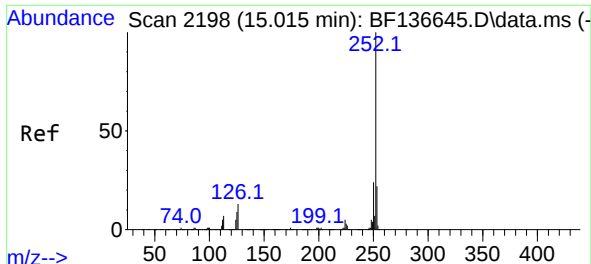
Lab File: BF136723.D

Acq: 26 Dec 2023 17:09

Tgt Ion:276 Resp: 18613

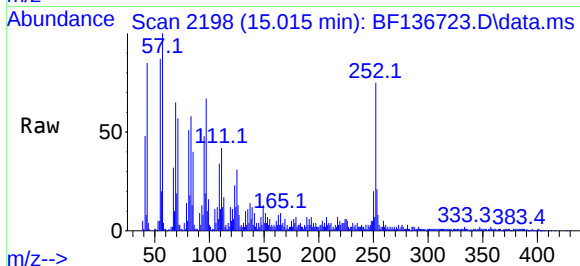
Ion	Ratio	Lower	Upper
276	100		
138	19.9	18.7	28.1
277	24.8	20.2	30.2





#88
Benzo(b)fluoranthene
Concen: 6.621 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09

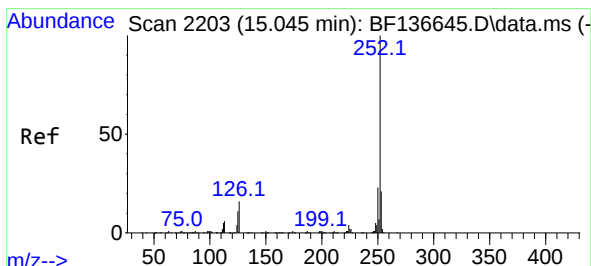
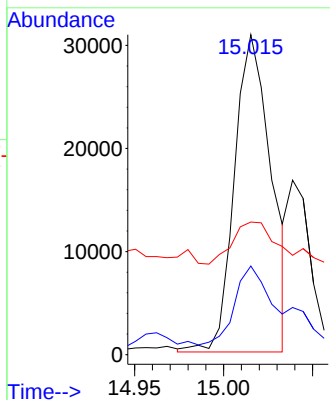
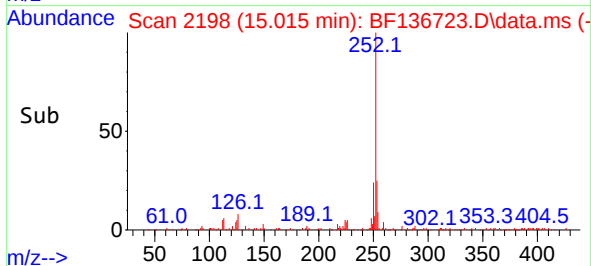
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25RE



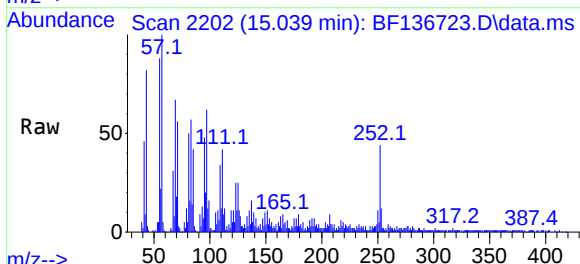
Tgt Ion:252 Resp: 44297
Ion Ratio Lower Upper
252 100
253 27.7 17.4 26.0#
125 41.5 7.4 11.2#

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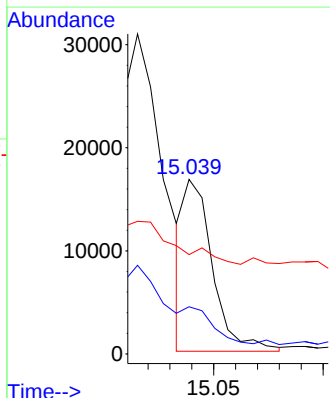
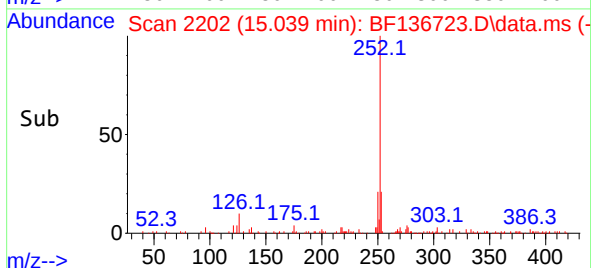
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

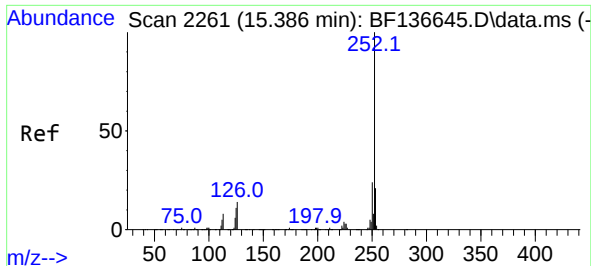


#89
Benzo(k)fluoranthene
Concen: 2.416 ng m
RT: 15.039 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09



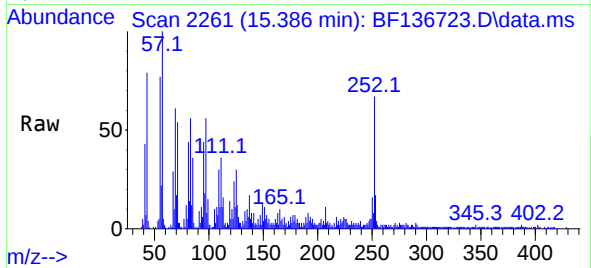
Tgt Ion:252 Resp: 15272
Ion Ratio Lower Upper
252 100
253 27.0 17.0 25.6#
125 56.9 8.2 12.4#





#90
Benzo(a)pyrene
Concen: 4.567 ng
RT: 15.386 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09

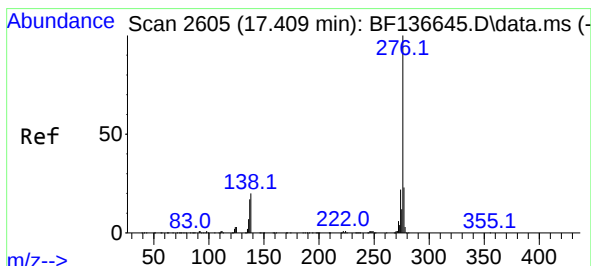
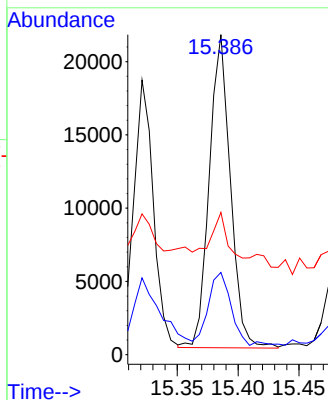
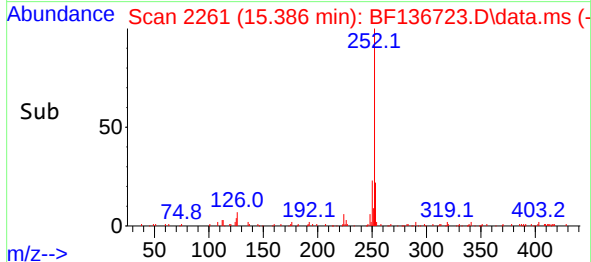
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25RE



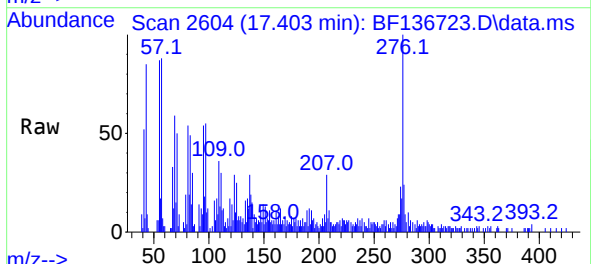
Tgt Ion:252 Resp: 25789
Ion Ratio Lower Upper
252 100
253 25.7 17.0 25.6
125 44.5 8.8 13.2

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



#92
Benzo(g,h,i)perylene
Concen: 2.856 ng
RT: 17.403 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF136723.D
Acq: 26 Dec 2023 17:09



Tgt Ion:276 Resp: 17354
Ion Ratio Lower Upper
276 100
277 23.6 18.3 27.5
138 19.1 15.6 23.4

