

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
 Data File : BF136735.D
 Acq On : 26 Dec 2023 23:38
 Operator : CG\JU
 Sample : 05598-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 347

Manual Integrations
 APPROVED

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

Quant Time: Dec 27 04:00:56 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	84935	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	302242	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	136979	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	209068	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	166043	20.000	ng	0.00
86) Perylene-d12	15.445	264	146150	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	367344	67.482	ng	0.00
7) Phenol-d6	6.428	99	526403	74.630	ng	-0.01
23) Nitrobenzene-d5	7.345	82	325342	55.082	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	69531	43.100	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	600687	58.981	ng	-0.01
79) Terphenyl-d14	12.904	244	459842	38.702	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.327	178	161622	15.066	ng	99
72) Anthracene	11.380	178	27731	2.553	ng	99
75) Fluoranthene	12.527	202	263305	22.947	ng	99
78) Pyrene	12.757	202	217945	13.371	ng	98
81) Benzo(a)anthracene	13.951	228	119162	10.335	ng	93
83) Chrysene	13.986	228	116377	10.322	ng	96
87) Indeno(1,2,3-cd)pyrene	16.933	276	39866	3.778	ng	95
88) Benzo(b)fluoranthene	15.010	252	135326m	13.863	ng	
89) Benzo(k)fluoranthene	15.033	252	41150m	4.461	ng	
90) Benzo(a)pyrene	15.380	252	76059	9.231	ng	98
92) Benzo(g,h,i)perylene	17.386	276	36784	4.149	ng	99

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

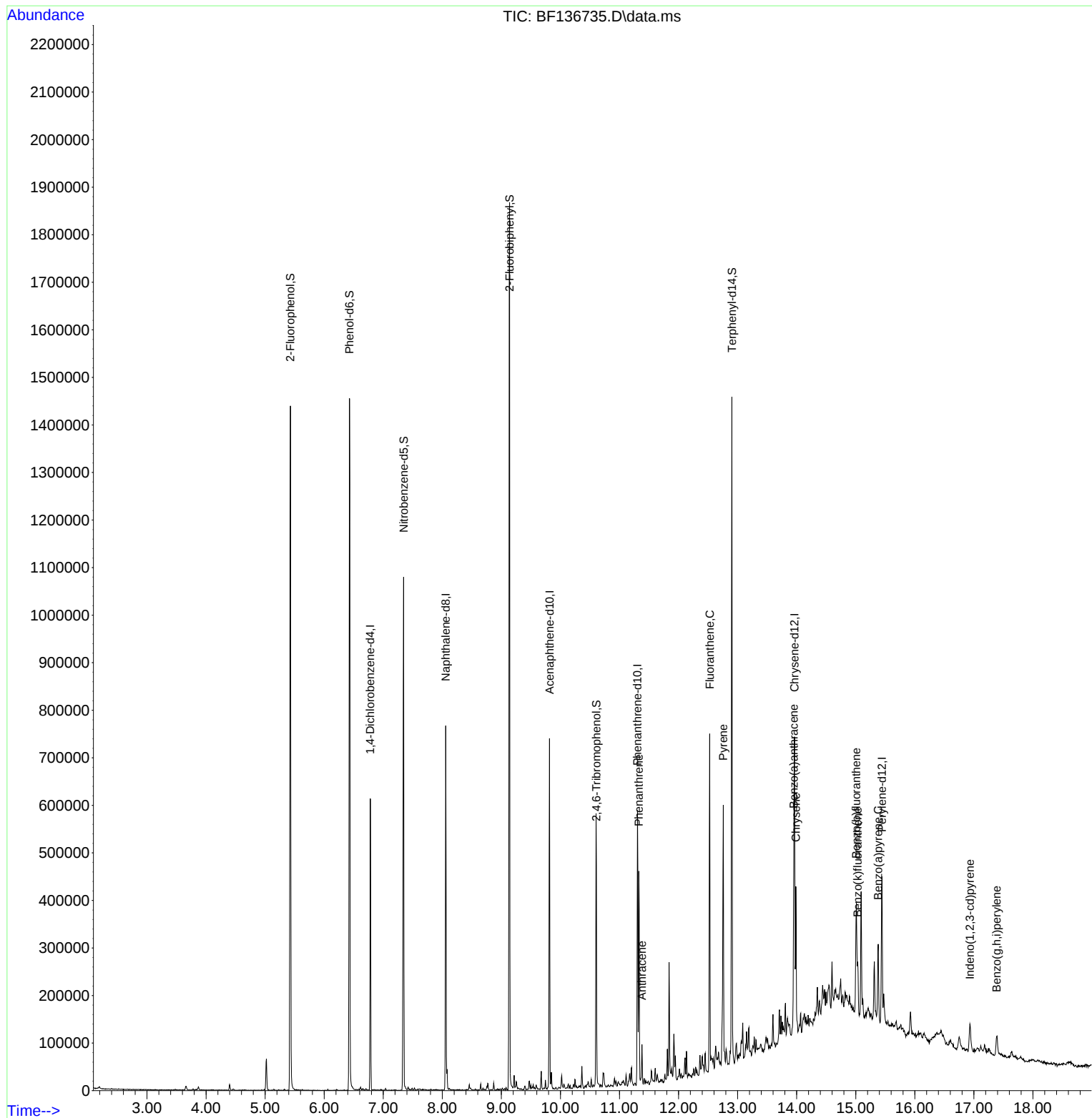
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136735.D
Acq On : 26 Dec 2023 23:38
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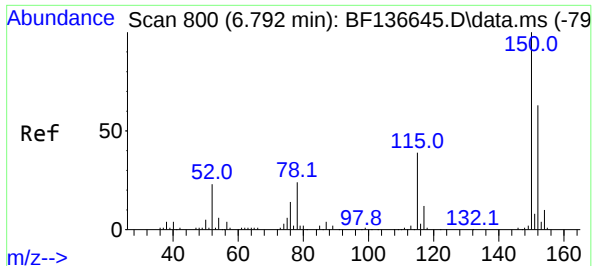
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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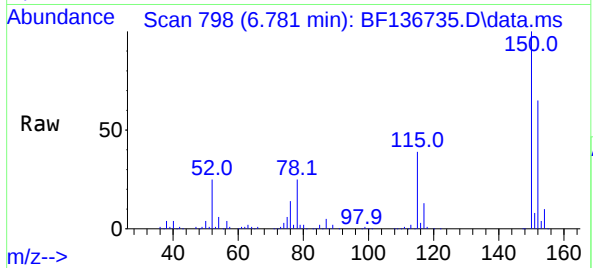
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

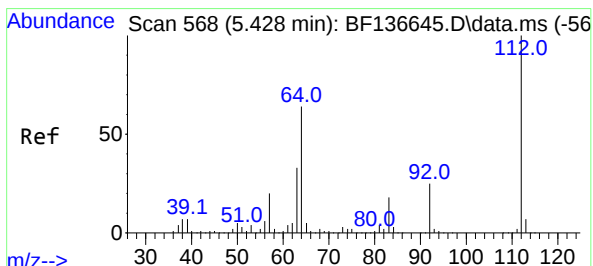
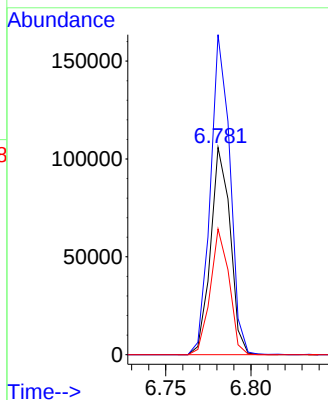
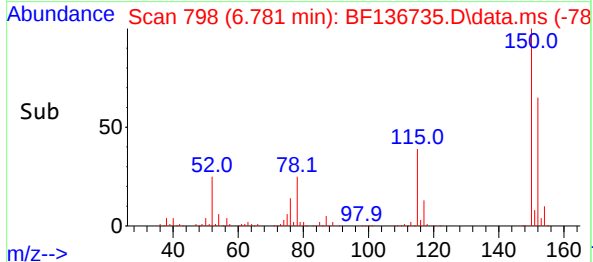
Instrument :
BNA_F
ClientSampleId :
347



Tgt Ion:152 Resp: 84938
Ion Ratio Lower Upper
152 100
150 154.4 127.0 190.6
115 60.7 49.0 73.4

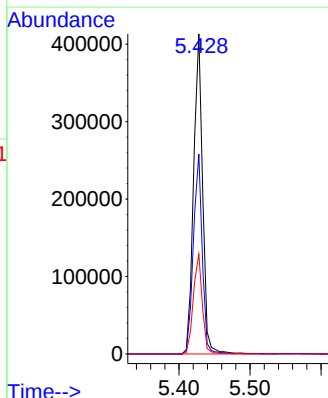
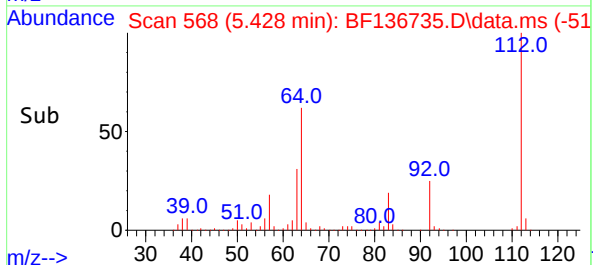
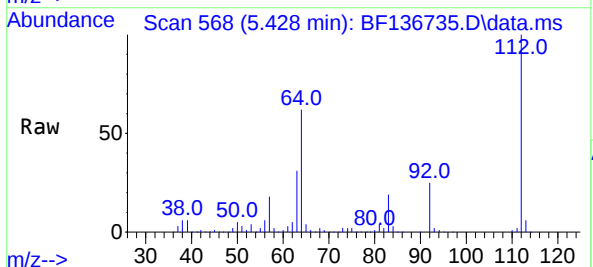
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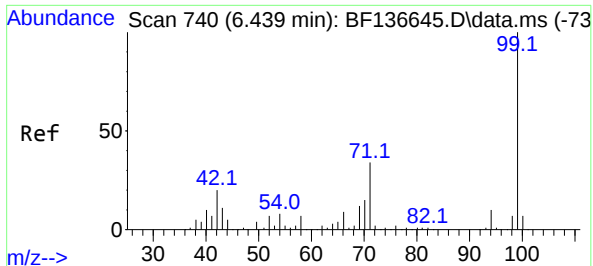
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#5
2-Fluorophenol
Concen: 67.482 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

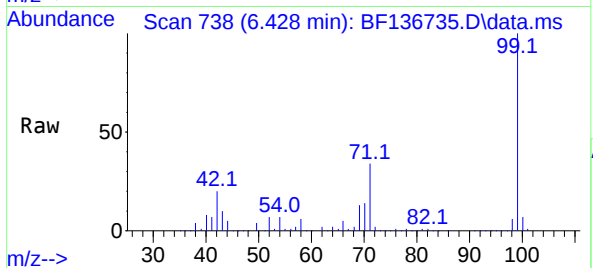
Tgt Ion:112 Resp: 367344
Ion Ratio Lower Upper
112 100
64 62.5 51.1 76.7
63 31.2 26.1 39.1





#7
Phenol-d6
Concen: 74.630 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

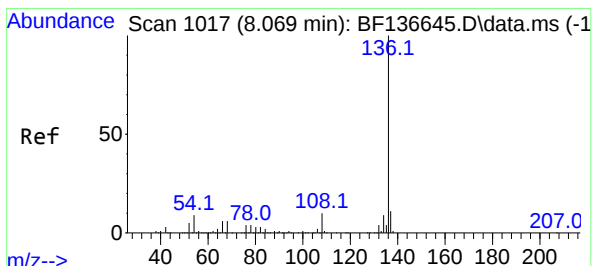
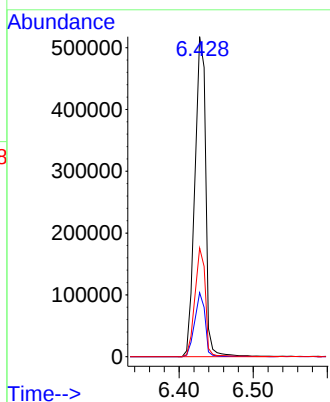
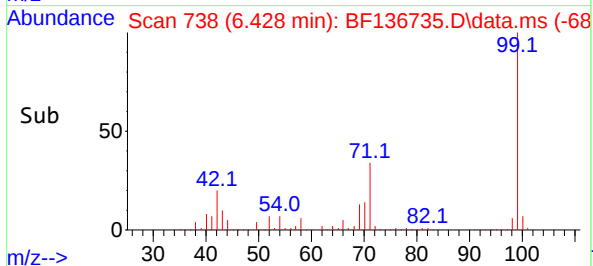
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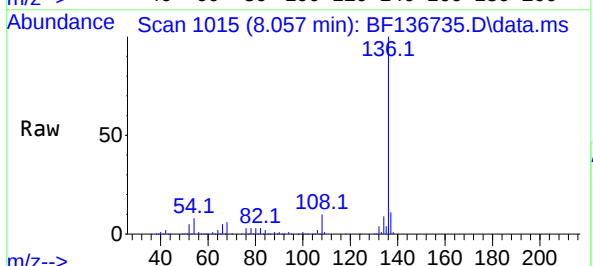
Tgt Ion: 99 Resp: 52640
Ion Ratio Lower Upper
99 100
42 20.0 16.1 24.1
71 33.9 27.4 41.2

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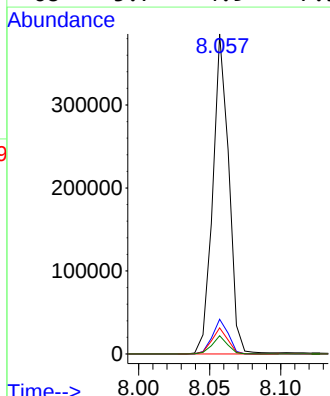
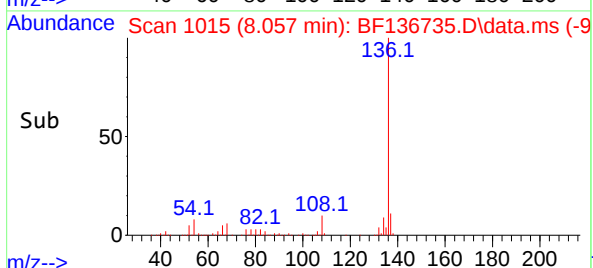
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

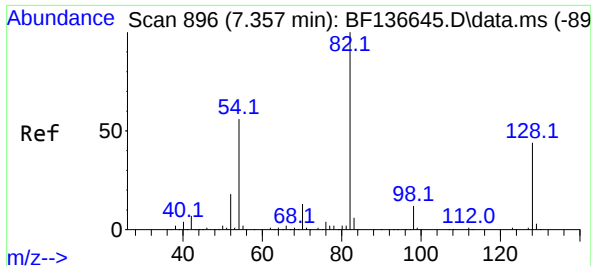


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38



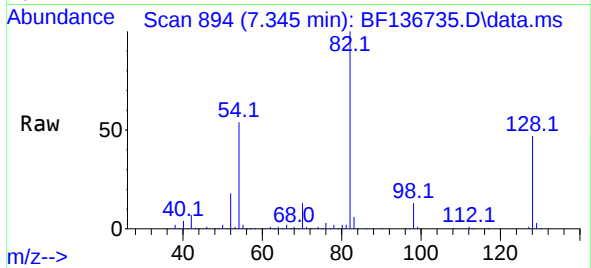
Tgt Ion:136 Resp: 302242
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.2 7.2 10.8
68 5.7 4.9 7.3





#23
Nitrobenzene-d5
Concen: 55.082 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

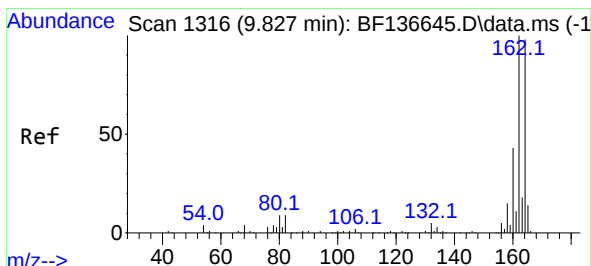
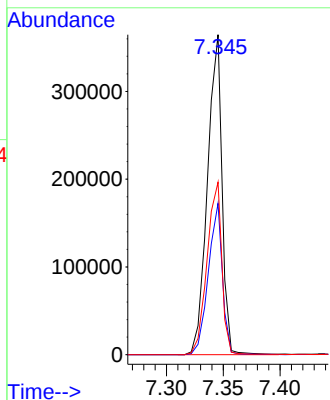
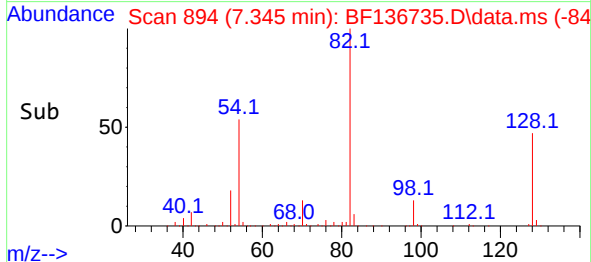
Instrument :
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ClientSampleId :
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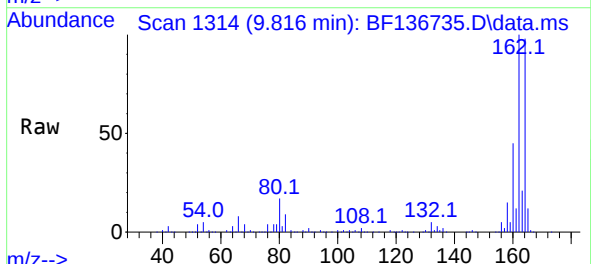
Tgt Ion: 82 Resp: 32534
Ion Ratio Lower Upper
82 100
128 47.3 35.3 52.9
54 53.9 44.5 66.7

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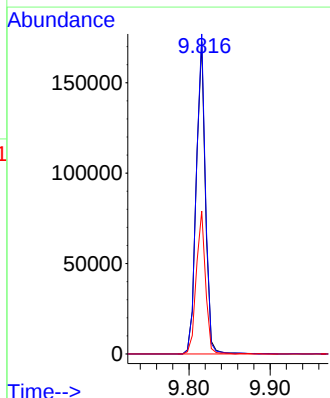
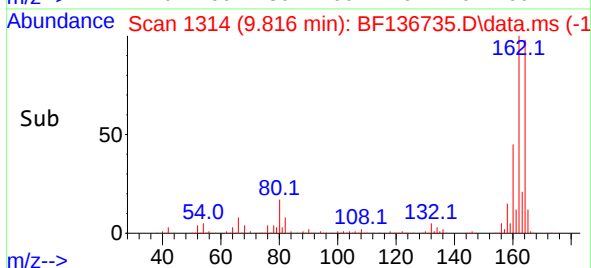
Reviewed By :Yogesh Patel 12/27/2023
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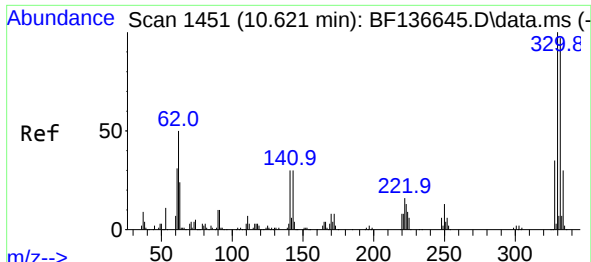


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38



Tgt Ion:164 Resp: 136979
Ion Ratio Lower Upper
164 100
162 102.5 81.6 122.4
160 45.8 34.9 52.3





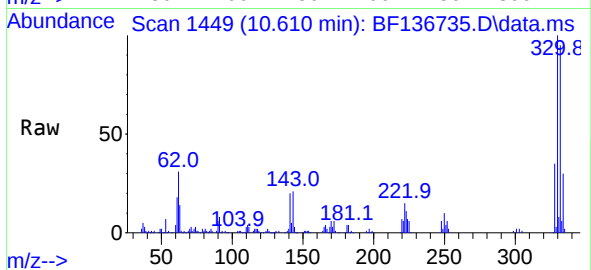
#42
2,4,6-Tribromophenol
Concen: 43.100 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

Instrument :

BNA_F

ClientSampleId :

347



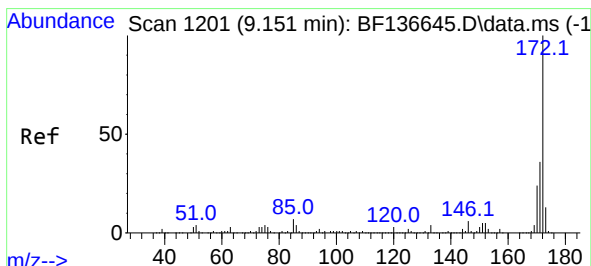
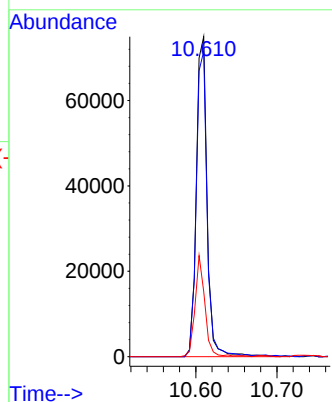
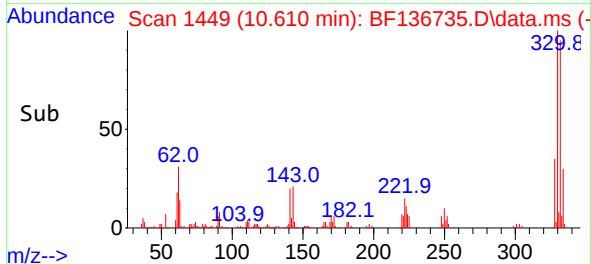
Tgt Ion:330 Resp: 6953
Ion Ratio Lower Upper
330 100
332 95.8 77.4 116.0
141 29.0 23.4 35.2

Manual Integrations

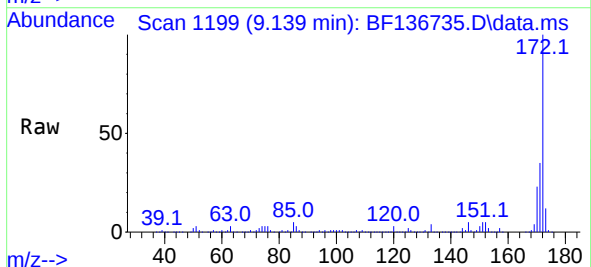
APPROVED

Reviewed By :Yogesh Patel 12/27/2023

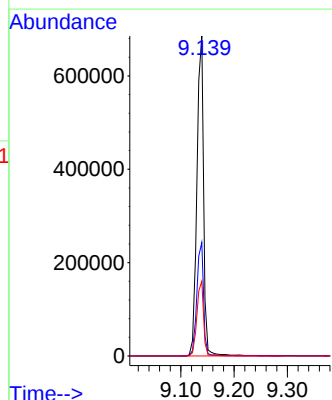
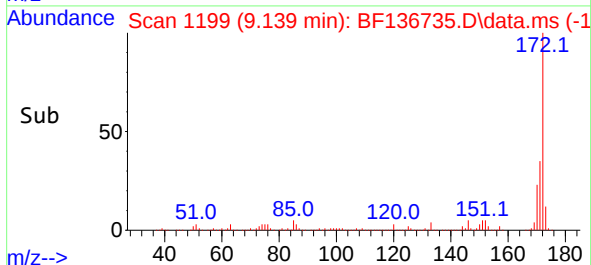
Supervised By :mohammad ahmed 12/27/2023

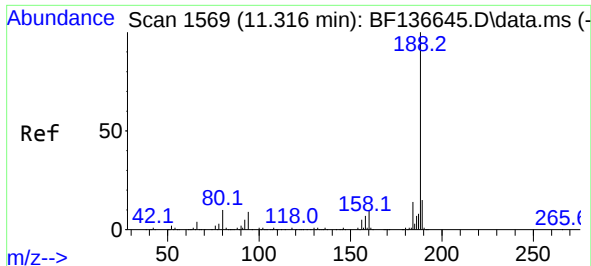


#45
2-Fluorobiphenyl
Concen: 58.981 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38



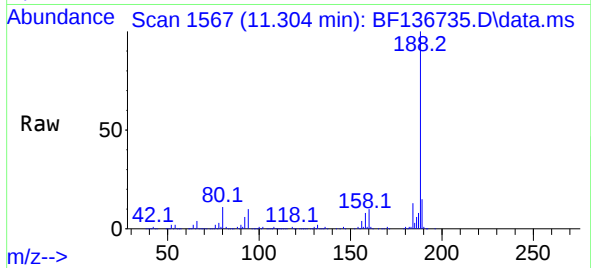
Tgt Ion:172 Resp: 600687
Ion Ratio Lower Upper
172 100
171 35.5 29.0 43.6
170 23.4 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

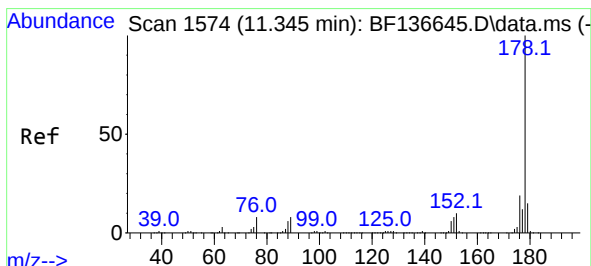
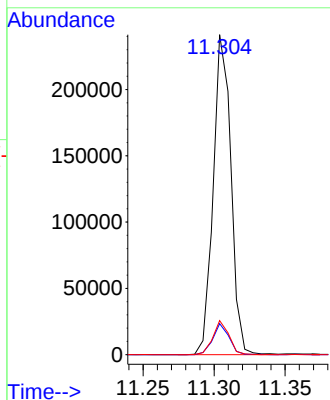
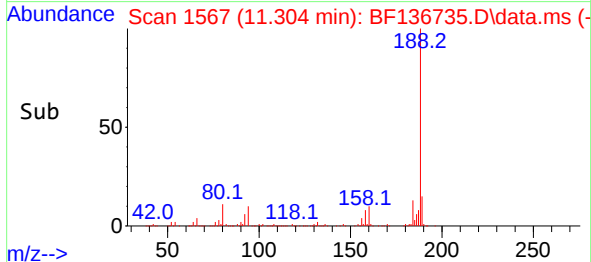
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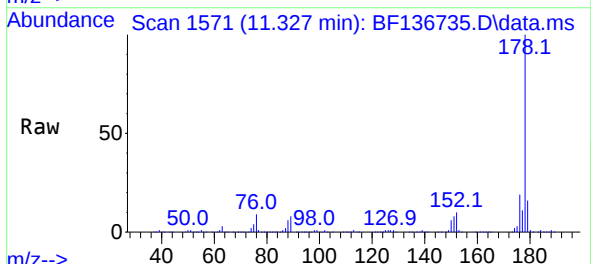
Tgt Ion:188 Resp: 209068
Ion Ratio Lower Upper
188 100
94 9.7 7.5 11.3
80 10.6 8.1 12.1

Manual Integrations
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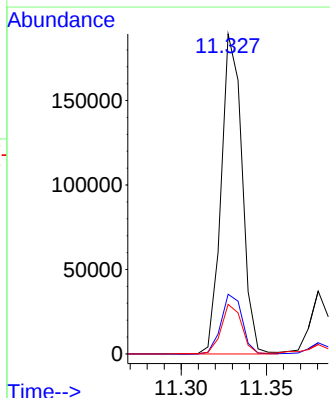
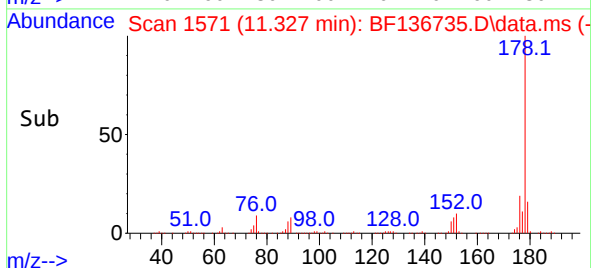
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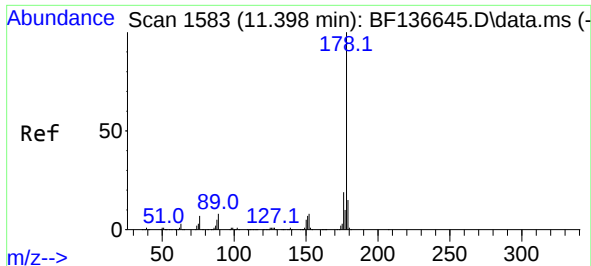


#71
Phenanthrene
Concen: 15.066 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38



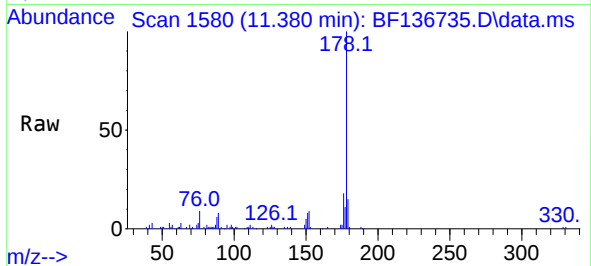
Tgt Ion:178 Resp: 161622
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.5 11.9 17.9





#72
 Anthracene
 Concen: 2.553 ng
 RT: 11.380 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF136735.D
 Acq: 26 Dec 2023 23:38

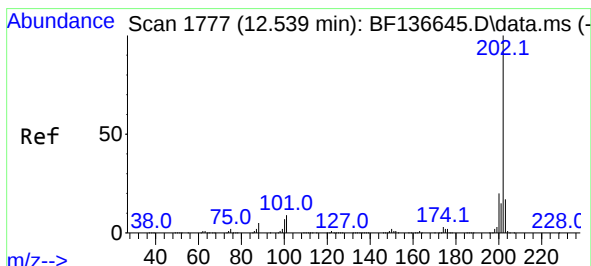
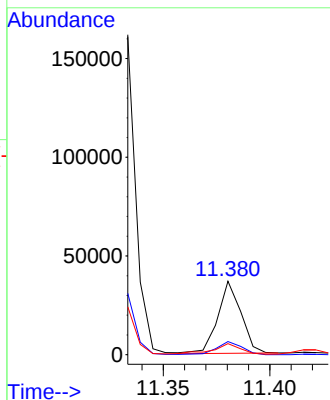
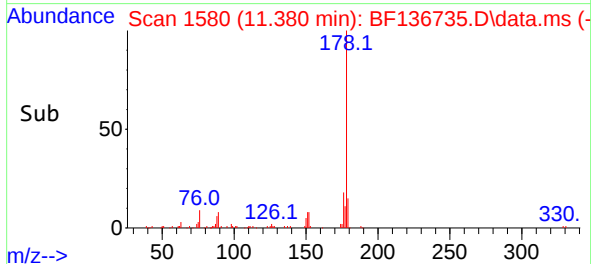
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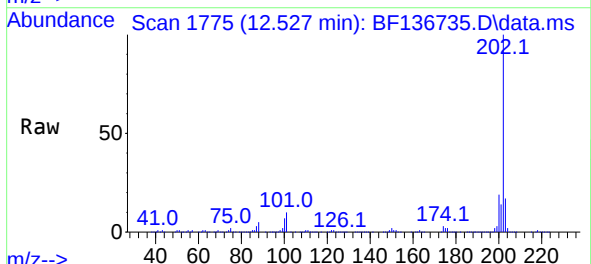
Tgt Ion:178 Resp: 2773
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.9 22.3
 179 15.1 11.8 17.6

Manual Integrations
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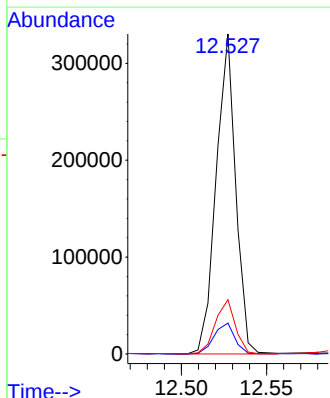
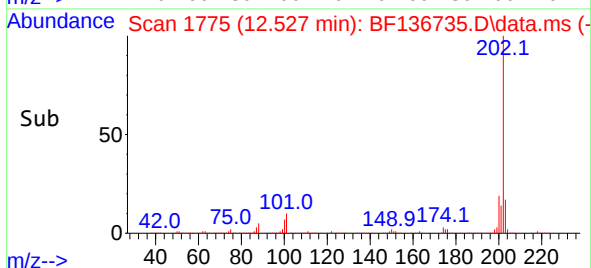
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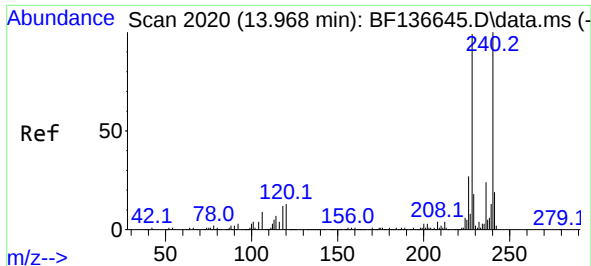


#75
 Fluoranthene
 Concen: 22.947 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136735.D
 Acq: 26 Dec 2023 23:38



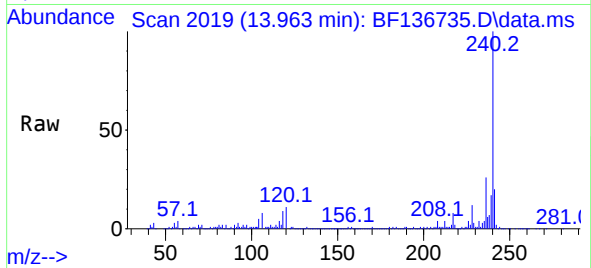
Tgt Ion:202 Resp: 263305
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 29.3
 203 16.9 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

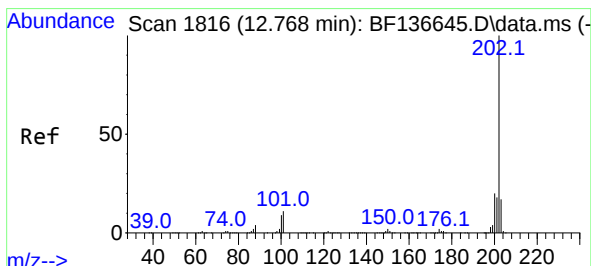
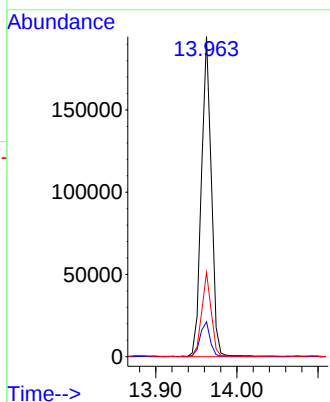
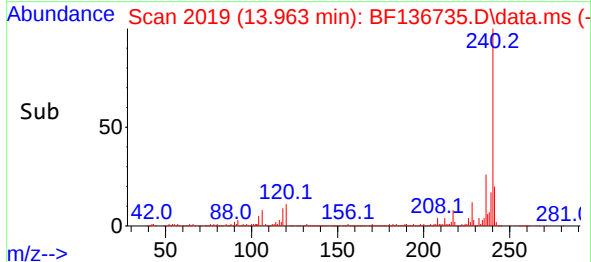
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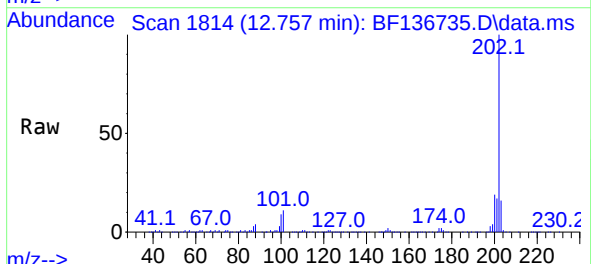
Tgt Ion:240 Resp: 16604
Ion Ratio Lower Upper
240 100
120 10.9 10.3 15.5
236 26.3 19.4 29.2

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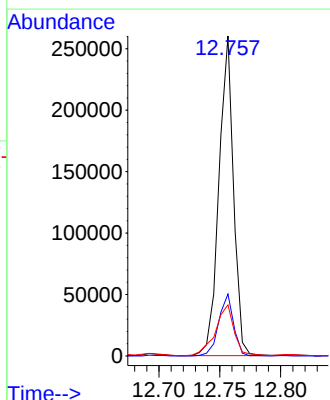
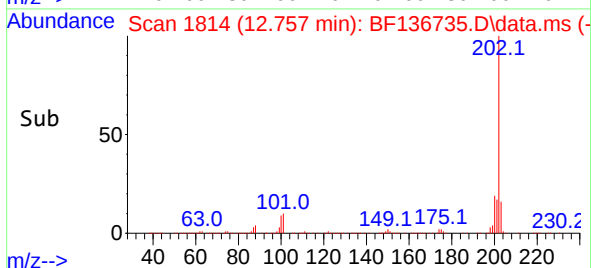
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Supervised By :mohammad ahmed 12/27/2023

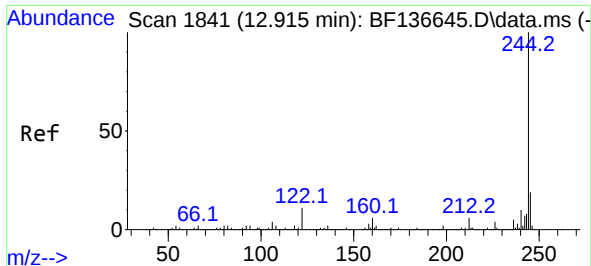


#78
Pyrene
Concen: 13.371 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38



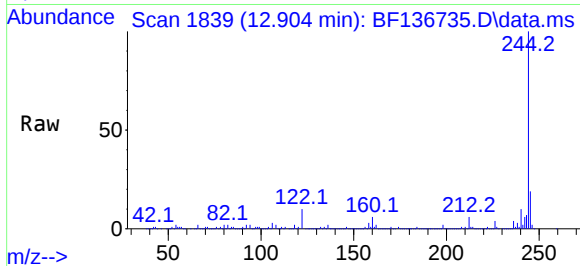
Tgt Ion:202 Resp: 217945
Ion Ratio Lower Upper
202 100
200 19.3 15.9 23.9
203 15.9 13.8 20.6





#79
Terphenyl-d14
Concen: 38.702 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

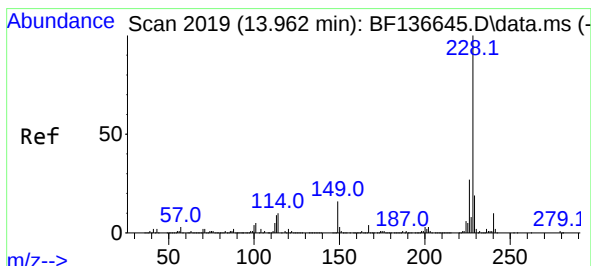
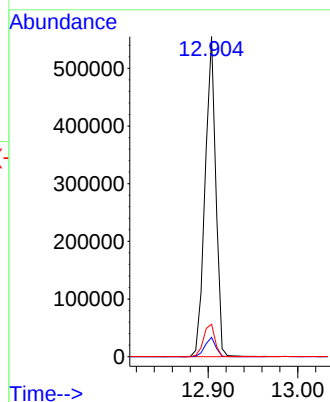
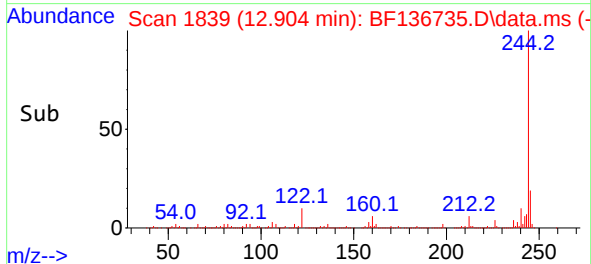
Instrument :
BNA_F
ClientSampleId :
347



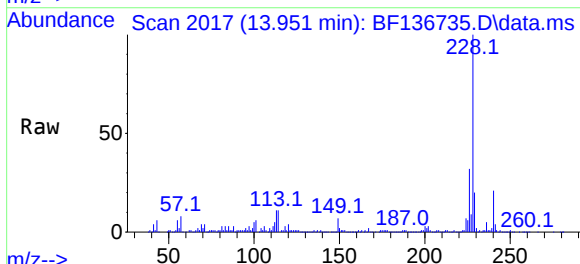
Tgt Ion:244 Resp: 45984
Ion Ratio Lower Upper
244 100
212 6.1 5.0 7.4
122 10.1 9.0 13.4

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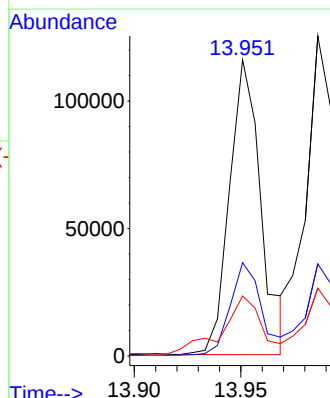
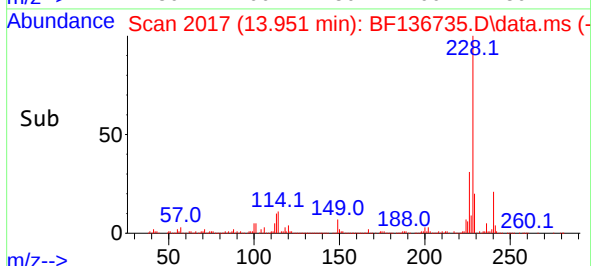
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

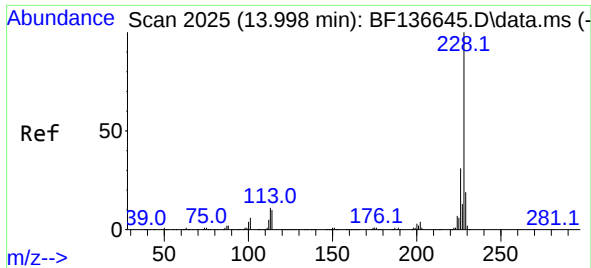


#81
Benzo(a)anthracene
Concen: 10.335 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38



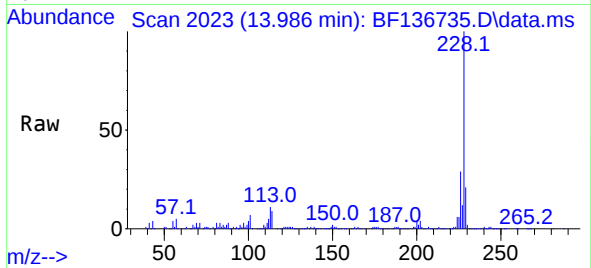
Tgt Ion:228 Resp: 119162
Ion Ratio Lower Upper
228 100
226 31.5 21.4 32.0
229 20.3 14.9 22.3





#83
Chrysene
Concen: 10.322 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

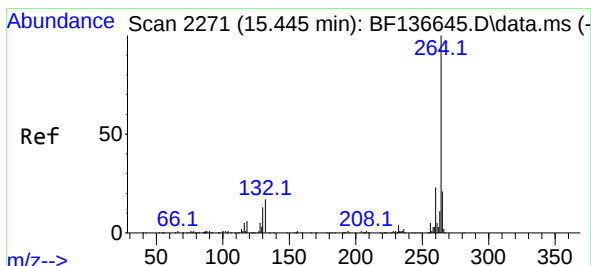
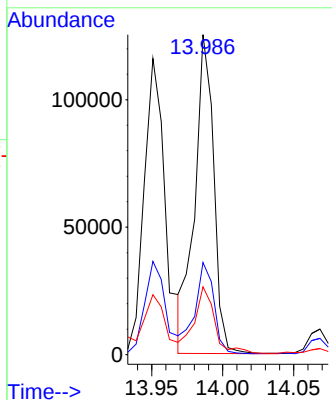
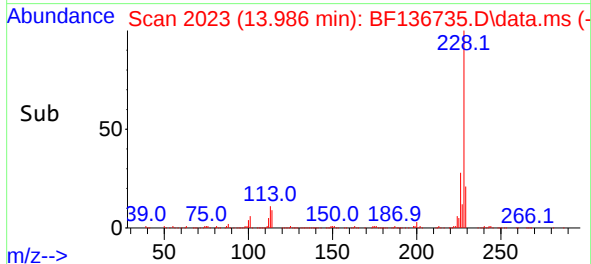
Instrument :
BNA_F
ClientSampleId :
347



Tgt Ion:228 Resp: 116377
Ion Ratio Lower Upper
228 100
226 28.8 24.7 37.1
229 21.2 15.4 23.0

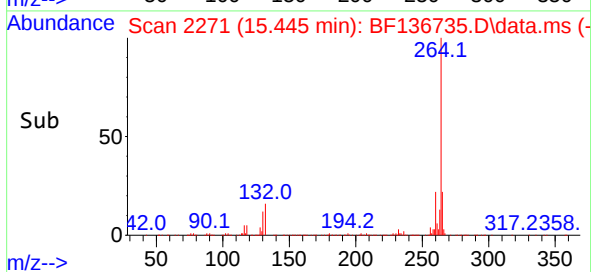
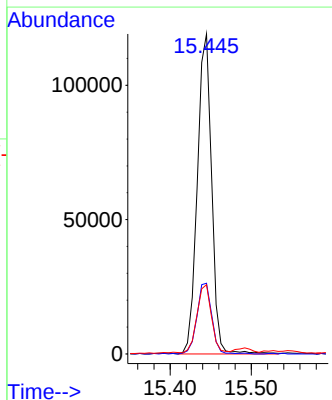
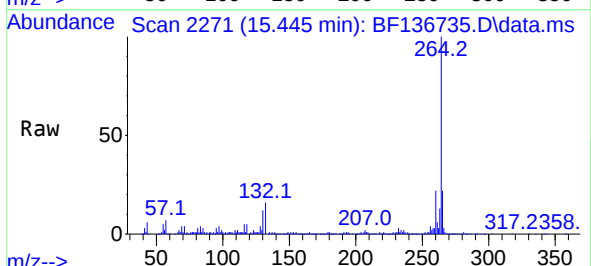
Manual Integrations
APPROVED

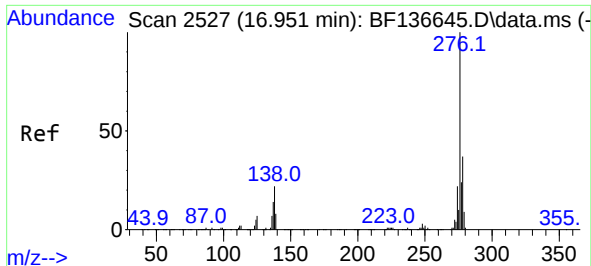
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

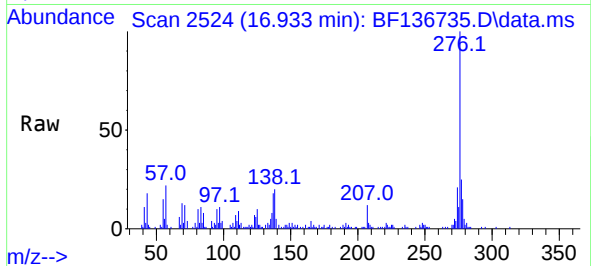
Tgt Ion:264 Resp: 146150
Ion Ratio Lower Upper
264 100
260 22.1 18.3 27.5
265 21.6 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.778 ng
RT: 16.933 min Scan# 2197
Delta R.T. -0.018 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

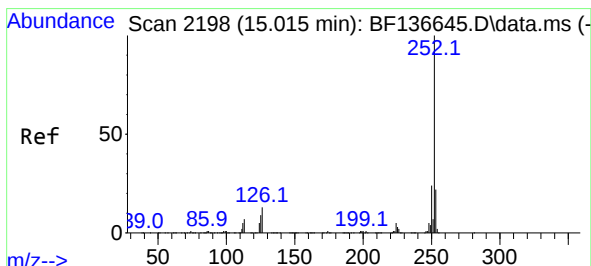
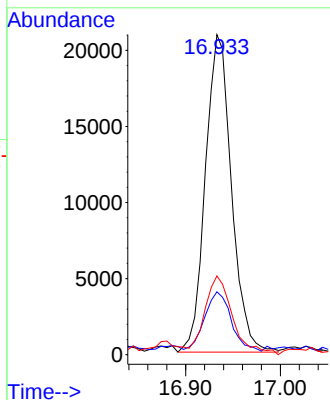
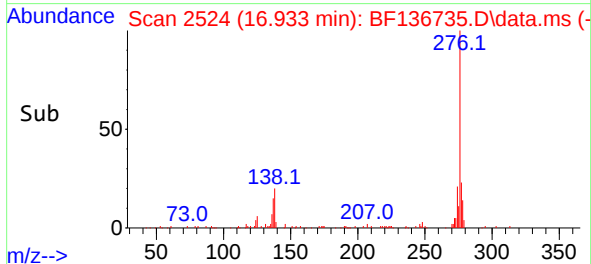
Instrument :
BNA_F
ClientSampleId :
347



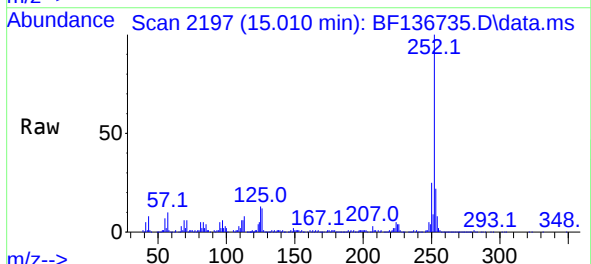
Tgt Ion:276 Resp: 39860
Ion Ratio Lower Upper
276 100
138 19.2 18.7 28.1
277 26.2 20.2 30.2

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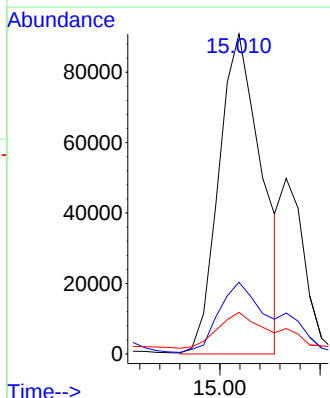
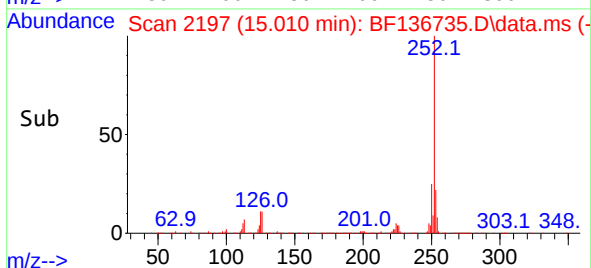
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

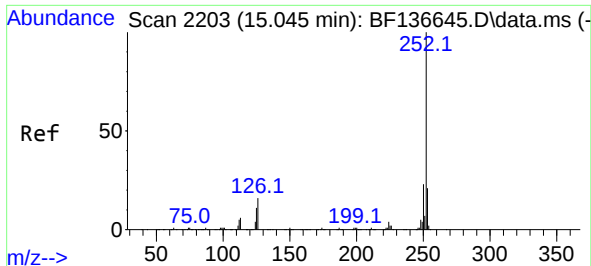


#88
Benzo(b)fluoranthene
Concen: 13.863 ng m
RT: 15.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38



Tgt Ion:252 Resp: 135326
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 13.0 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 4.461 ng m

RT: 15.033 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136735.D

Acq: 26 Dec 2023 23:38

Instrument :

BNA_F

ClientSampleId :

347

Tgt Ion:252 Resp: 41150

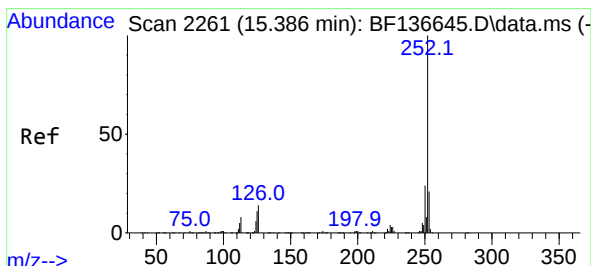
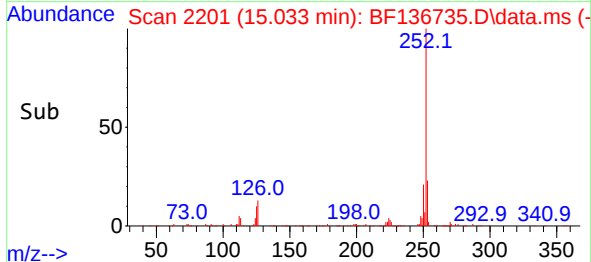
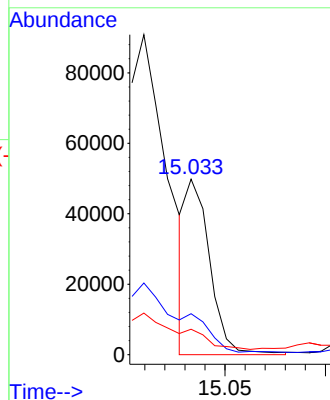
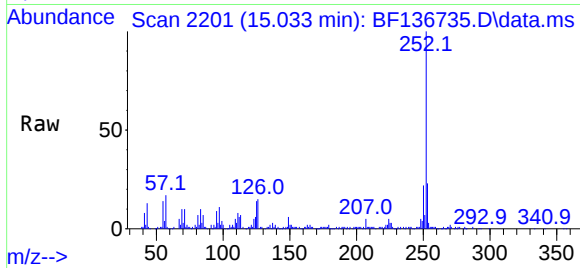
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	14.5	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2023

Supervised By :mohammad ahmed 12/27/2023



#90

Benzo(a)pyrene

Concen: 9.231 ng

RT: 15.380 min Scan# 2260

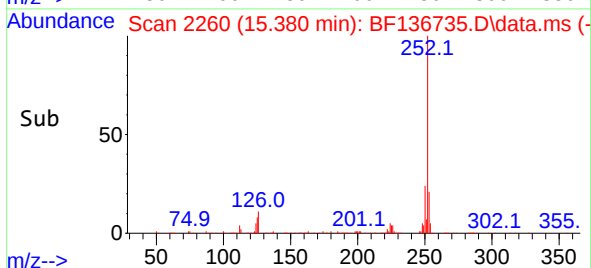
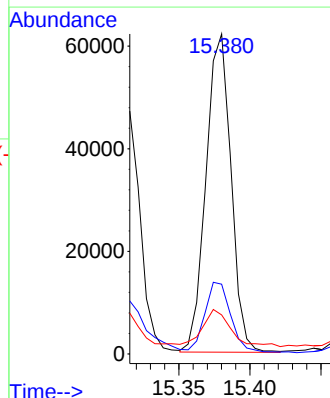
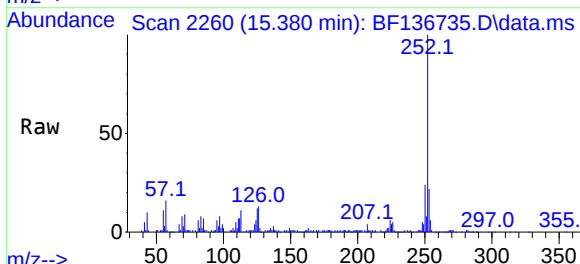
Delta R.T. -0.006 min

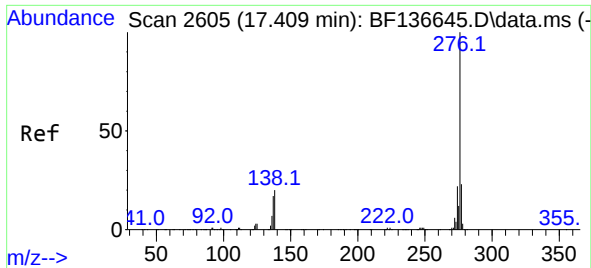
Lab File: BF136735.D

Acq: 26 Dec 2023 23:38

Tgt Ion:252 Resp: 76059

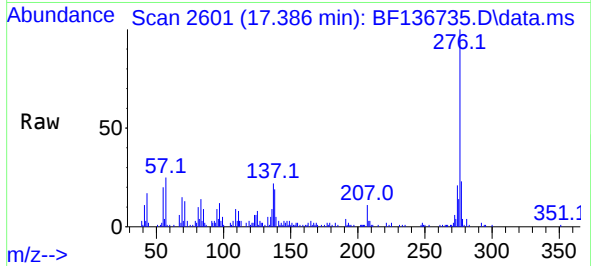
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	12.2	8.8	13.2





#92
Benzo(g,h,i)perylene
Concen: 4.149 ng
RT: 17.386 min Scan# 20
Delta R.T. -0.023 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

Instrument :
BNA_F
ClientSampleId :
347



Tgt Ion:276 Resp: 36784
Ion Ratio Lower Upper
276 100
277 23.3 18.3 27.5
138 19.1 15.6 23.4

Manual Integrations
APPROVED

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

