

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136779.D
 Acq On : 28 Dec 2023 02:07
 Operator : CG\JU
 Sample : 06018-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/28/2023
 Supervised By :Sohil Jodhani 12/28/2023

Quant Time: Dec 28 03:27:49 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	75215	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	273870	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	132282	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	203648	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	145257	20.000	ng	0.00
86) Perylene-d12	15.445	264	134871	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	449786	93.305	ng	0.00
7) Phenol-d6	6.434	99	574498	91.974	ng	0.00
23) Nitrobenzene-d5	7.345	82	359921	67.249	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	120854	77.574	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	703897	71.569	ng	-0.01
79) Terphenyl-d14	12.904	244	538281	51.786	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.845	154	23738	2.969	ng	99
55) Dibenzofuran	10.022	168	28860	2.381	ng	96
58) Fluorene	10.363	166	25684	2.671	ng	98
71) Phenanthrene	11.333	178	270728	25.909	ng	98
72) Anthracene	11.380	178	79736	7.535	ng	98
73) Carbazole	11.539	167	28367	2.843	ng	# 94
75) Fluoranthene	12.527	202	389276	34.828	ng	97
78) Pyrene	12.757	202	330818	23.200	ng	100
81) Benzo(a)anthracene	13.951	228	184990	18.340	ng	97
83) Chrysene	13.992	228	160182	16.240	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	70192	7.208	ng	97
88) Benzo(b)fluoranthene	15.009	252	199319m	22.127	ng	
89) Benzo(k)fluoranthene	15.039	252	73101m	8.588	ng	
90) Benzo(a)pyrene	15.380	252	140594	18.490	ng	100
91) Dibenzo(a,h)anthracene	16.945	278	17651m	2.209	ng	
92) Benzo(g,h,i)perylene	17.398	276	71282	8.712	ng	98

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

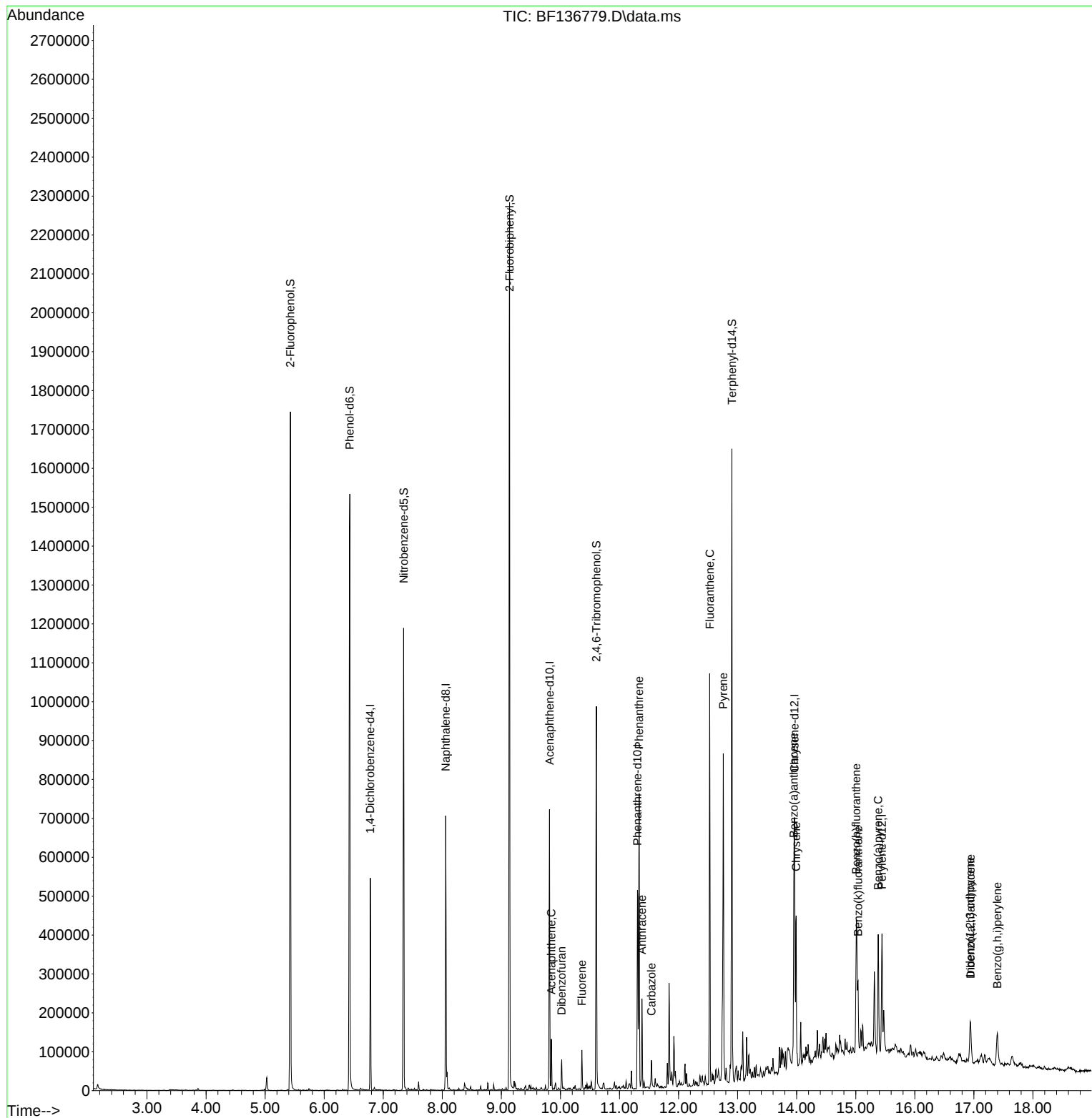
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
Data File : BF136779.D
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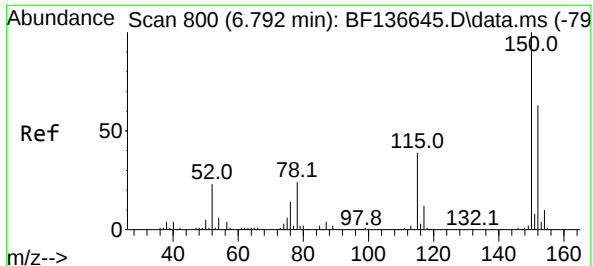
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
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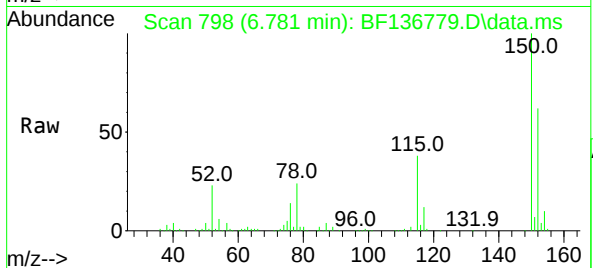
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

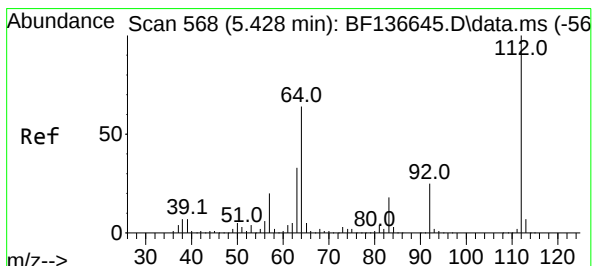
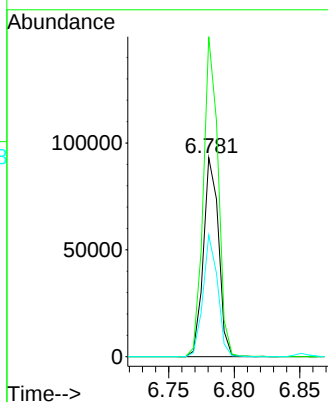
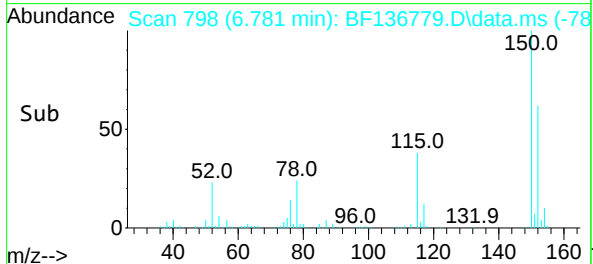
Instrument :
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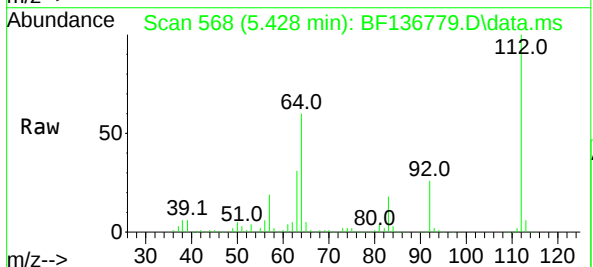
Tgt Ion:152 Resp: 75215
Ion Ratio Lower Upper
152 100
150 160.8 127.0 190.6
115 61.1 49.0 73.4

Manual Integrations
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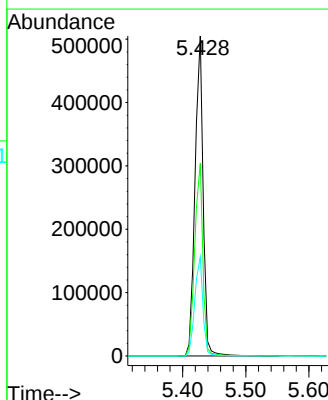
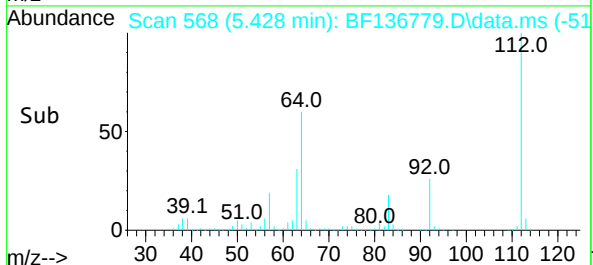
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023

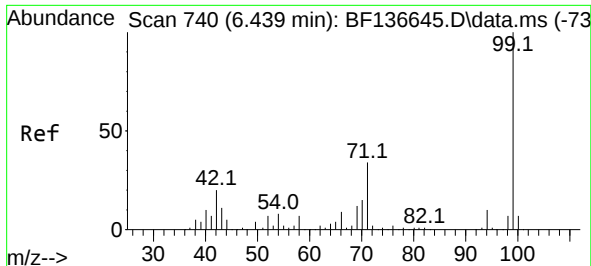


#5
2-Fluorophenol
Concen: 93.305 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07



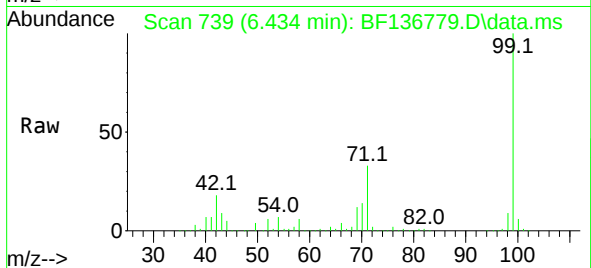
Tgt Ion:112 Resp: 449786
Ion Ratio Lower Upper
112 100
64 60.2 51.1 76.7
63 30.9 26.1 39.1





#7
Phenol-d6
Concen: 91.974 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

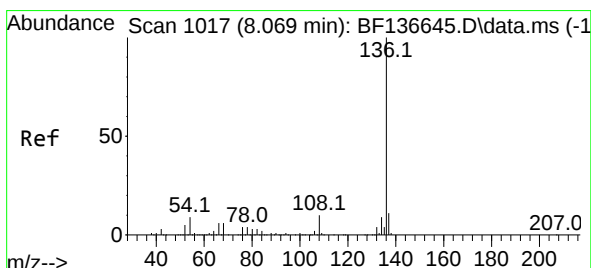
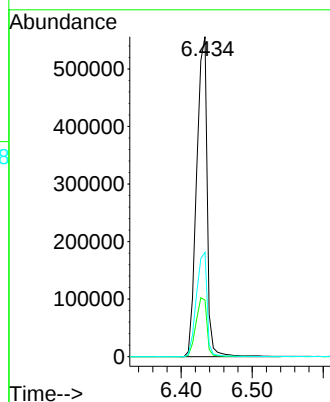
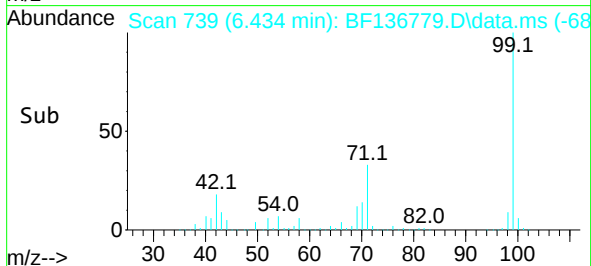
Instrument :
BNA_F
ClientSampleId :
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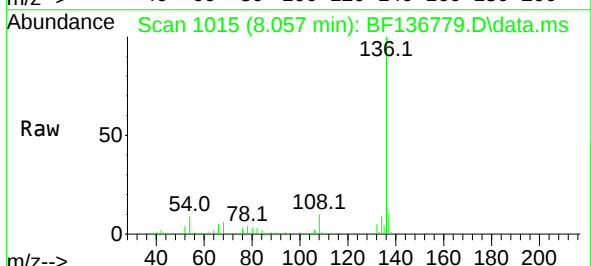
Tgt Ion: 99 Resp: 574498
Ion Ratio Lower Upper
99 100
42 17.7 16.1 24.1
71 32.6 27.4 41.2

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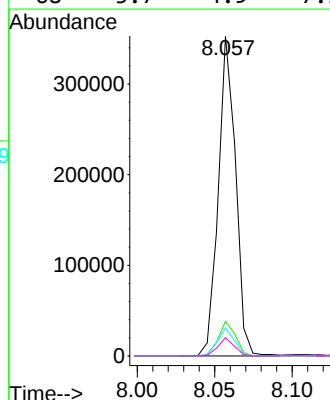
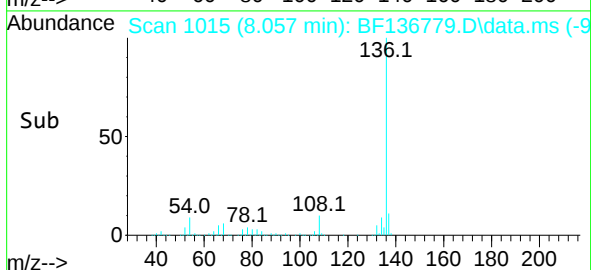
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07



Tgt Ion:136 Resp: 273870
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.7 7.2 10.8
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 67.249 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

COMP-3

Tgt Ion: 82 Resp: 35992

Ion Ratio Lower Upper

82 100

128 44.9 35.3 52.9

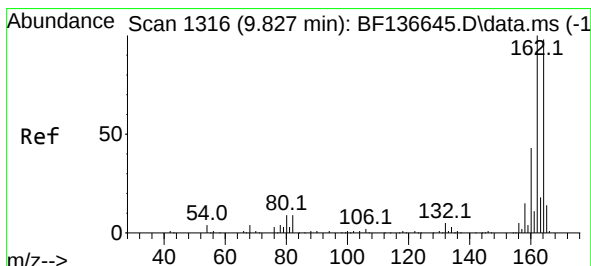
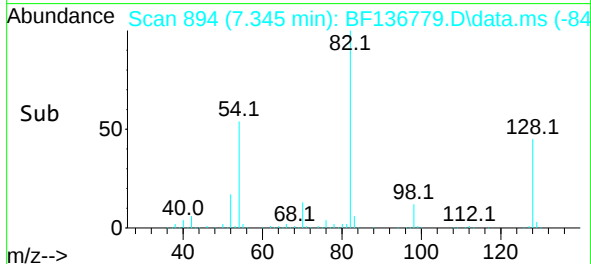
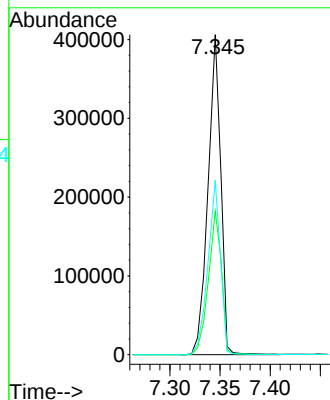
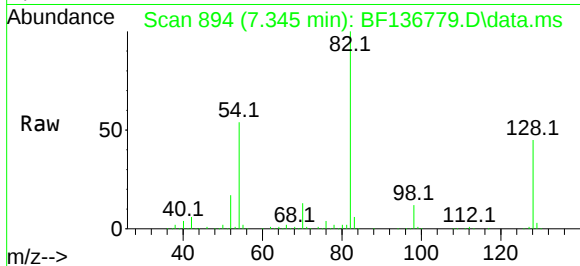
54 54.5 44.5 66.7

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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: BF136779.D

Acq: 28 Dec 2023 02:07

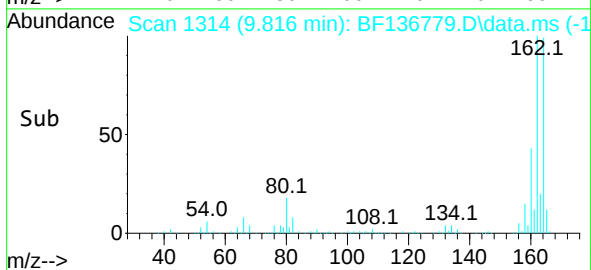
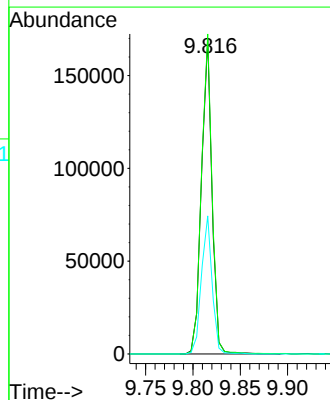
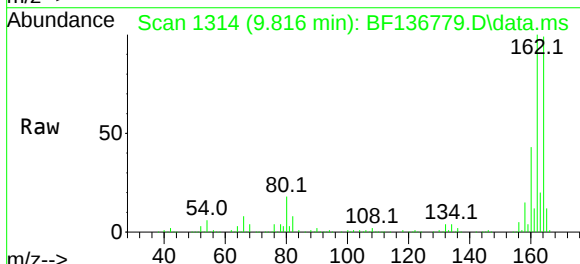
Tgt Ion:164 Resp: 132282

Ion Ratio Lower Upper

164 100

162 101.5 81.6 122.4

160 43.8 34.9 52.3





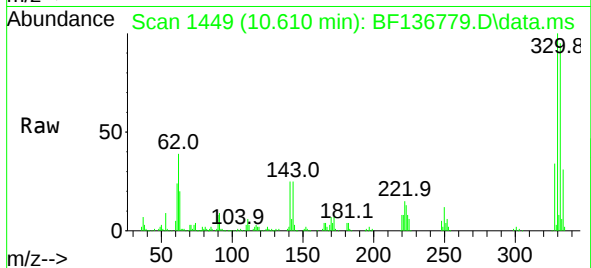
#42
2,4,6-Tribromophenol
Concen: 77.574 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

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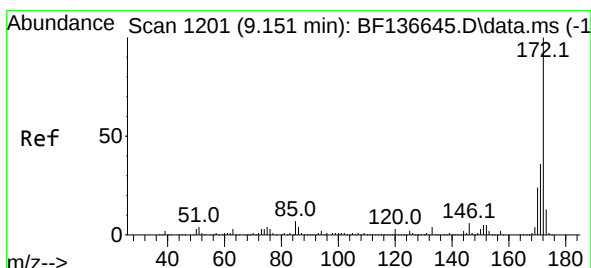
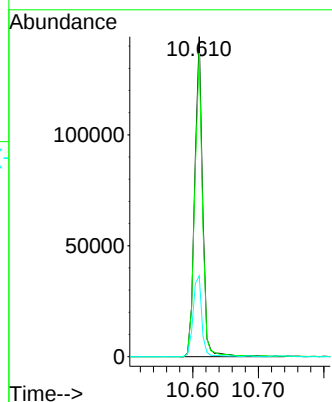
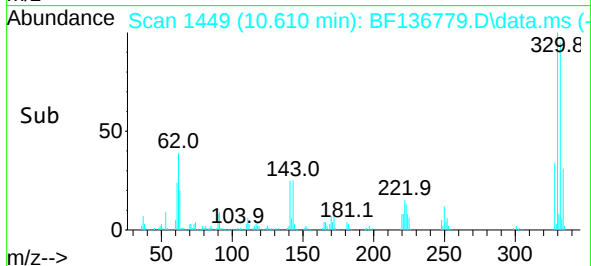


Tgt Ion:330 Resp: 120854
Ion Ratio Lower Upper
330 100
332 94.5 77.4 116.0
141 28.2 23.4 35.2

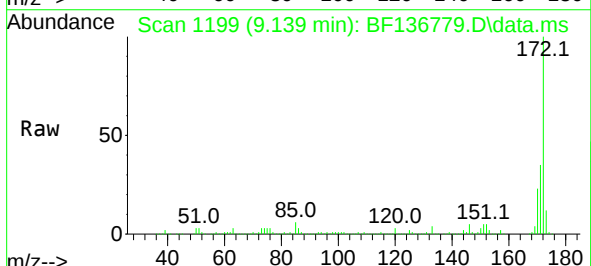
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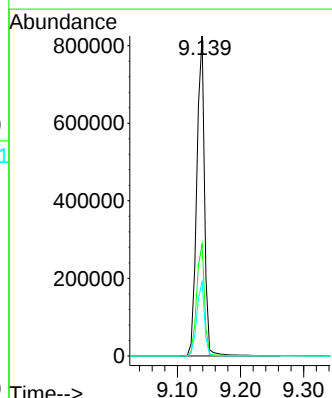
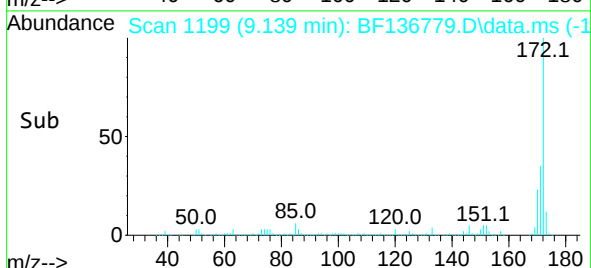
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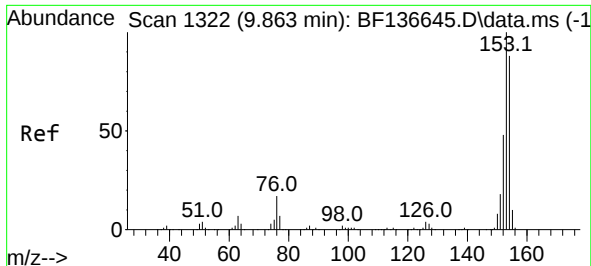


#45
2-Fluorobiphenyl
Concen: 71.569 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07



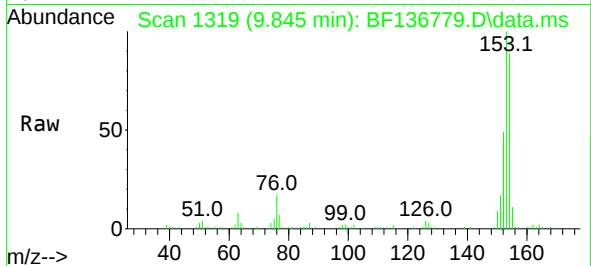
Tgt Ion:172 Resp: 703897
Ion Ratio Lower Upper
172 100
171 34.9 29.0 43.6
170 23.1 19.0 28.4





#52
Acenaphthene
Concen: 2.969 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

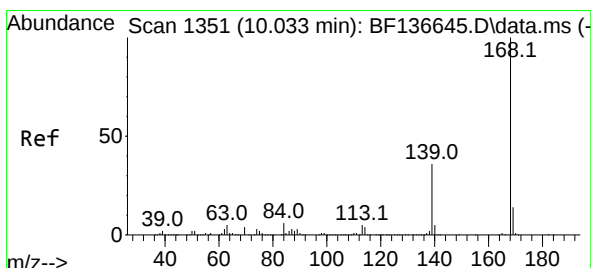
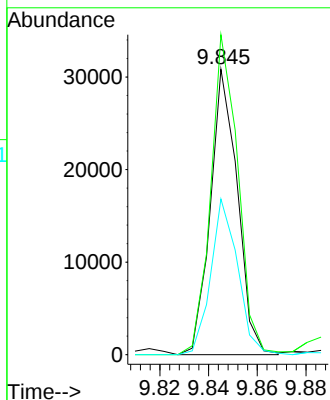
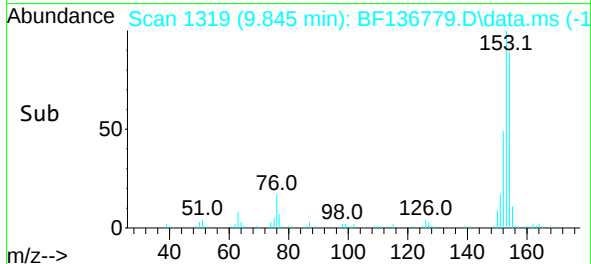
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BNA_F
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COMP-3



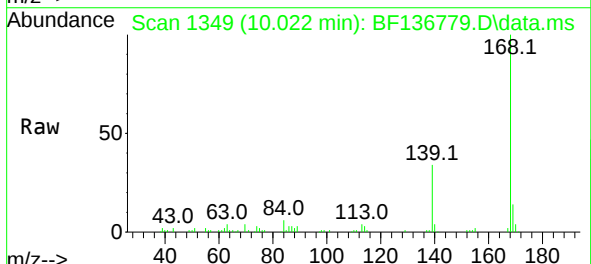
Tgt Ion:154 Resp: 23738
Ion Ratio Lower Upper
154 100
153 112.1 90.7 136.1
152 54.6 43.7 65.5

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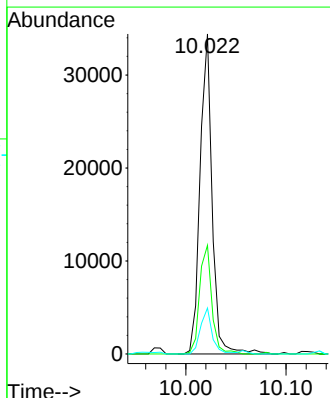
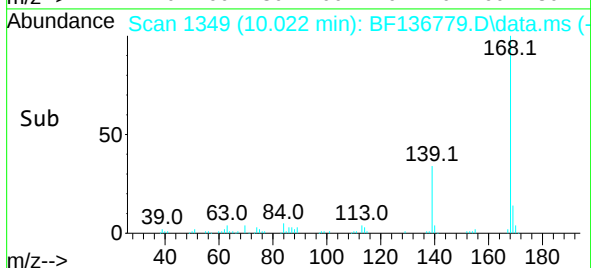
Reviewed By :Yogesh Patel 12/28/2023
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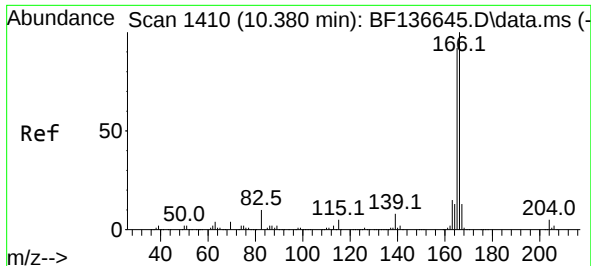


#55
Dibenzofuran
Concen: 2.381 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07



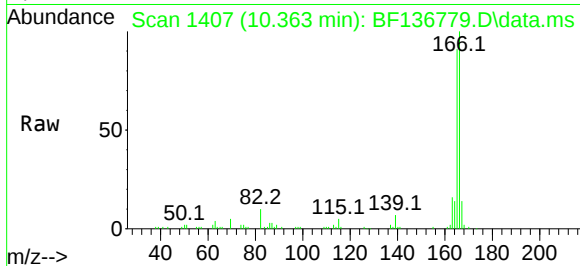
Tgt Ion:168 Resp: 28860
Ion Ratio Lower Upper
168 100
139 33.9 29.3 43.9
169 14.4 11.0 16.4





#58
Fluorene
Concen: 2.671 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

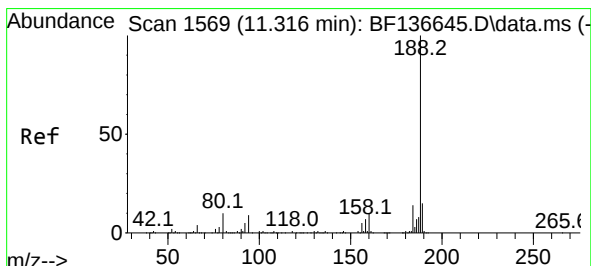
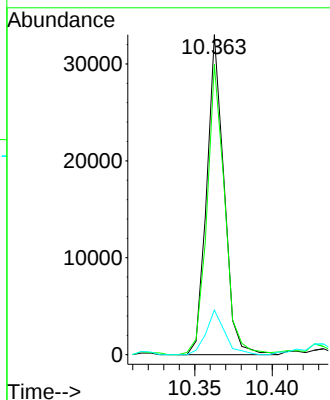
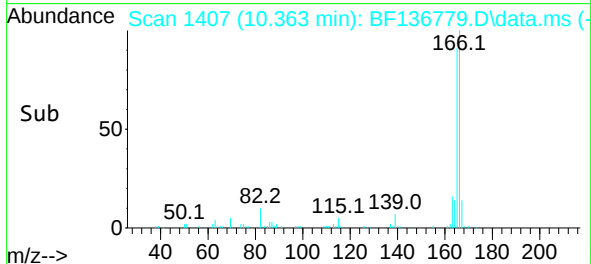
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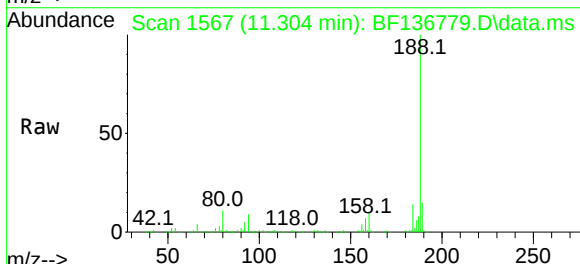
Tgt Ion:166 Resp: 25684
Ion Ratio Lower Upper
166 100
165 90.7 73.7 110.5
167 14.0 10.4 15.6

Manual Integrations
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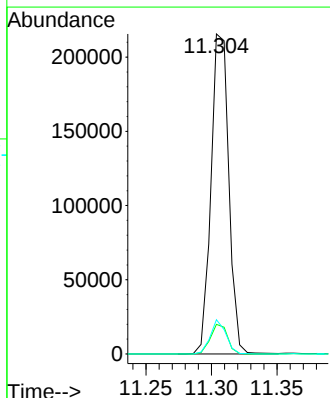
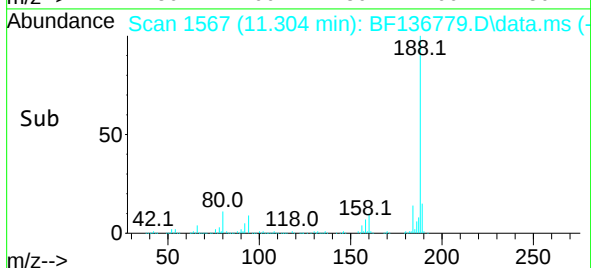
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023

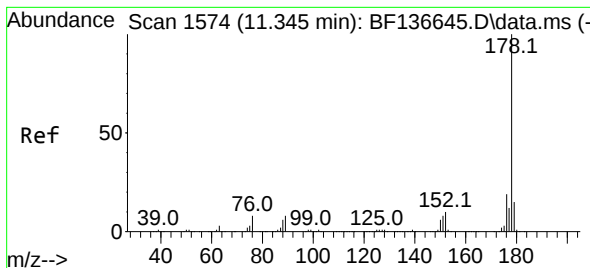


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07



Tgt Ion:188 Resp: 203648
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 10.7 8.1 12.1





#71

Phenanthrene

Concen: 25.909 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

COMP-3

Tgt Ion:178 Resp: 270728

Ion Ratio Lower Upper

178 100

176 17.9 15.3 22.9

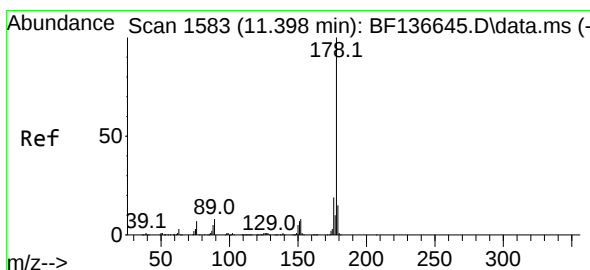
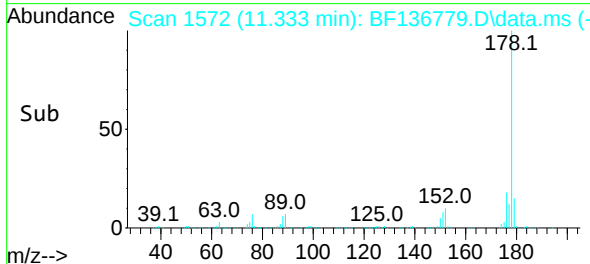
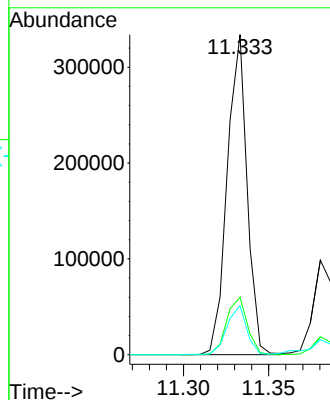
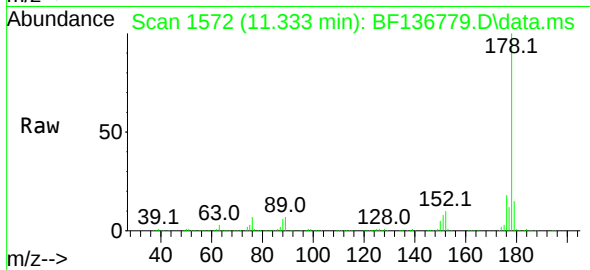
179 15.3 11.9 17.9

Manual Integrations

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#72

Anthracene

Concen: 7.535 ng

RT: 11.380 min Scan# 1580

Delta R.T. -0.018 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

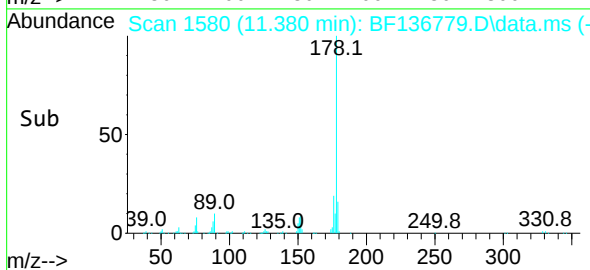
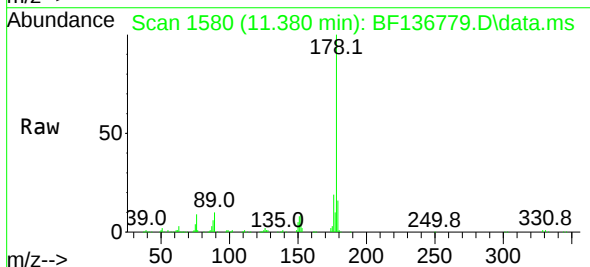
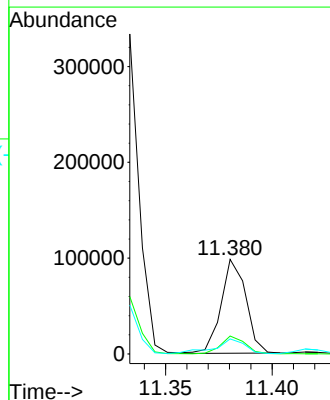
Tgt Ion:178 Resp: 79736

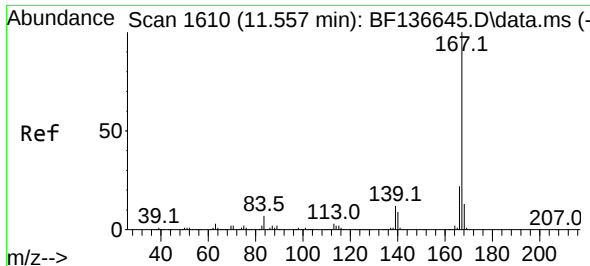
Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

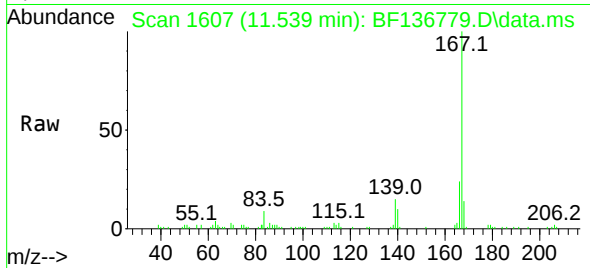
179 15.9 11.8 17.6





#73
 Carbazole
 Concen: 2.843 ng
 RT: 11.539 min Scan# 1607
 Delta R.T. -0.018 min
 Lab File: BF136779.D
 Acq: 28 Dec 2023 02:07

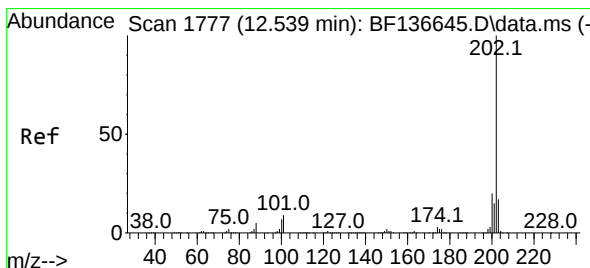
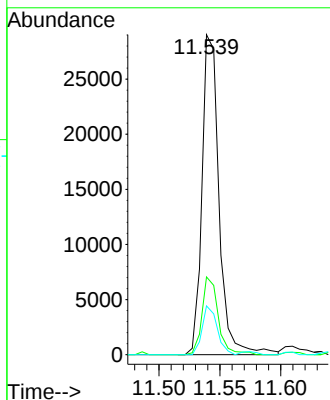
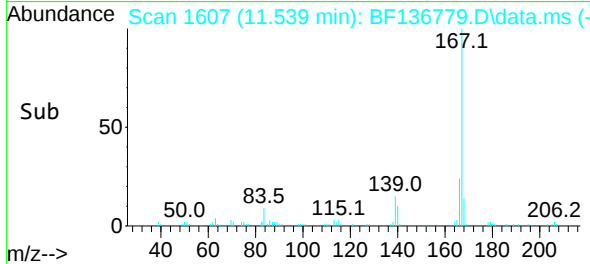
Instrument :
 BNA_F
 ClientSampleId :
 COMP-3



Tgt Ion:167 Resp: 2836
 Ion Ratio Lower Upper
 167 100
 166 24.3 17.3 25.9
 139 15.2 9.8 14.6

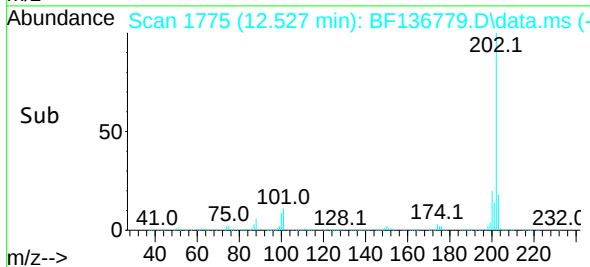
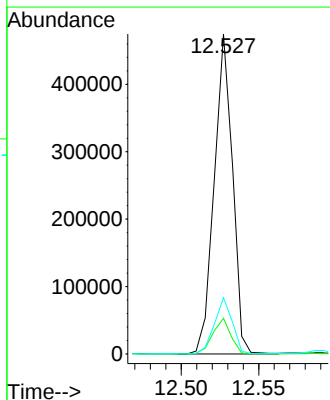
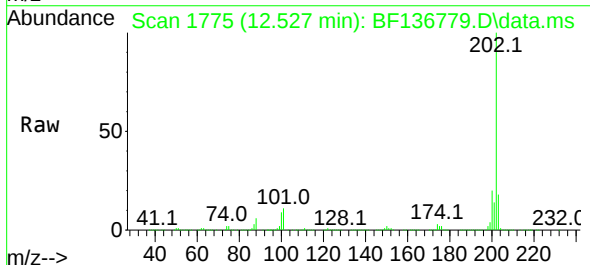
Manual Integrations
 APPROVED

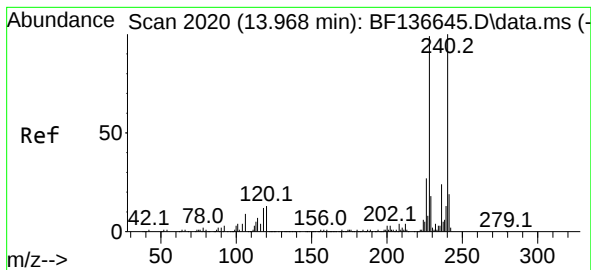
Reviewed By :Yogesh Patel 12/28/2023
 Supervised By :Sohil Jodhani 12/28/2023



#75
 Fluoranthene
 Concen: 34.828 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136779.D
 Acq: 28 Dec 2023 02:07

Tgt Ion:202 Resp: 389276
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 29.3
 203 17.6 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: BF136779.D
Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

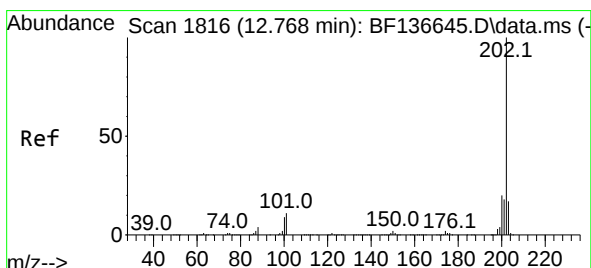
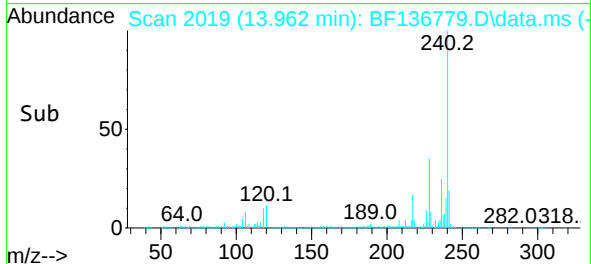
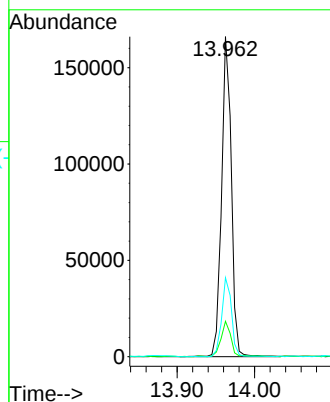
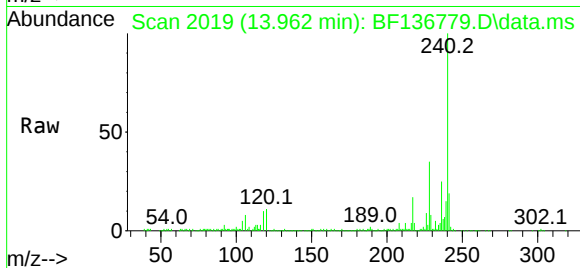
COMP-3

Tgt Ion:240 Resp: 14525
Ion Ratio Lower Upper
240 100
120 11.1 10.3 15.5
236 24.7 19.4 29.2

Manual Integrations

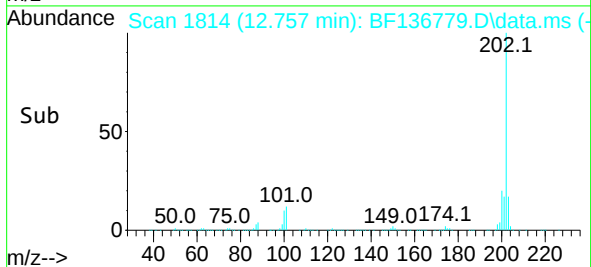
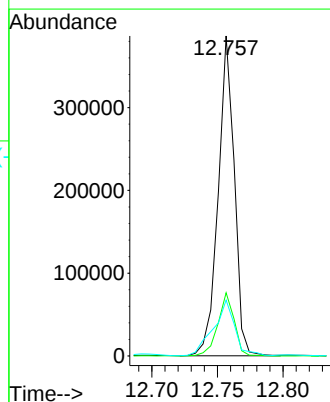
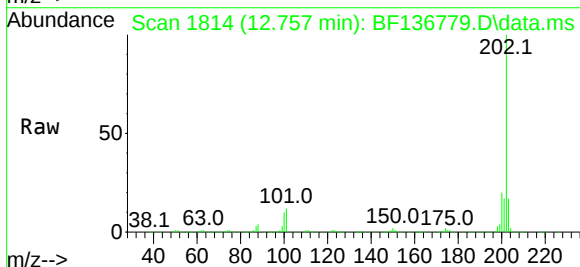
APPROVED

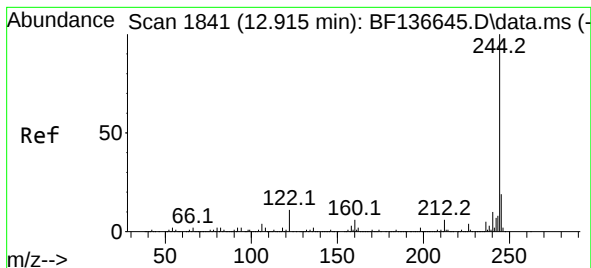
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#78
Pyrene
Concen: 23.200 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

Tgt Ion:202 Resp: 330818
Ion Ratio Lower Upper
202 100
200 19.8 15.9 23.9
203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 51.786 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136779.D

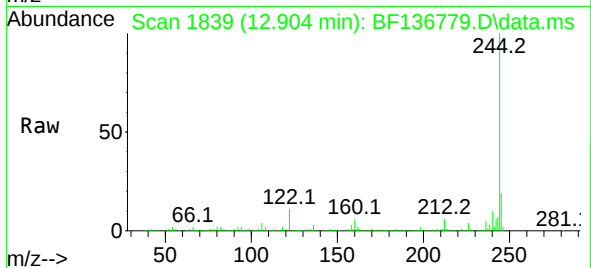
Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

COMP-3



Tgt Ion:244 Resp: 53828

Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

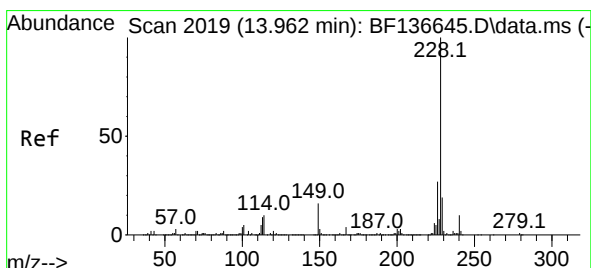
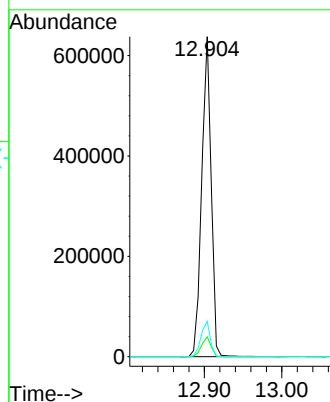
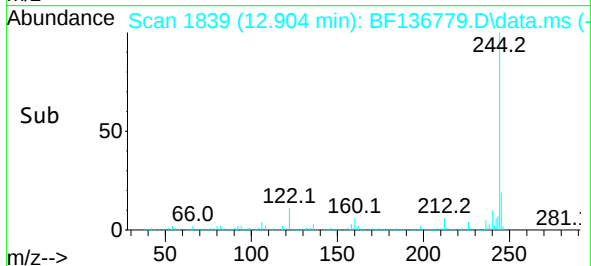
122 11.0 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :Sohil Jodhani 12/28/2023



#81

Benzo(a)anthracene

Concen: 18.340 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

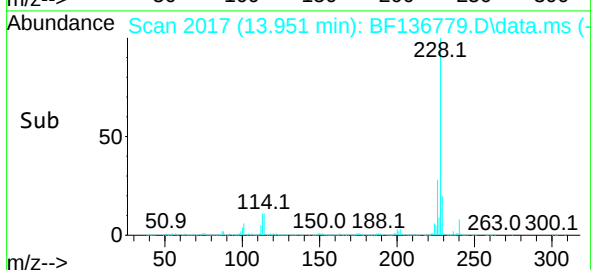
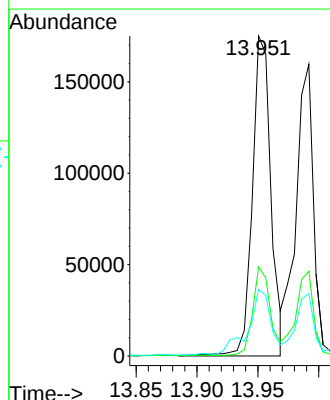
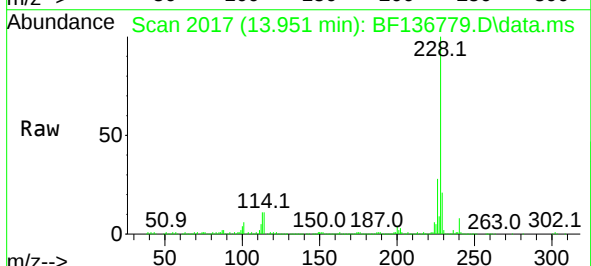
Tgt Ion:228 Resp: 184990

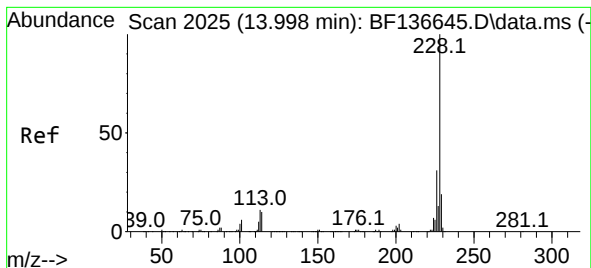
Ion Ratio Lower Upper

228 100

226 27.8 21.4 32.0

229 20.8 14.9 22.3





#83

Chrysene

Concen: 16.240 ng

RT: 13.992 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

COMP-3

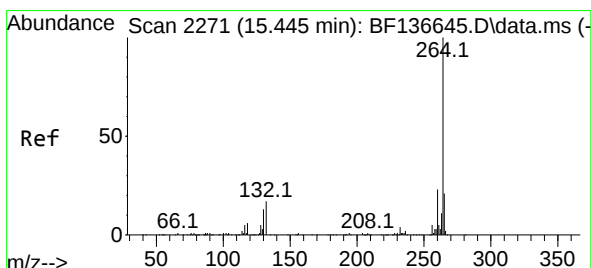
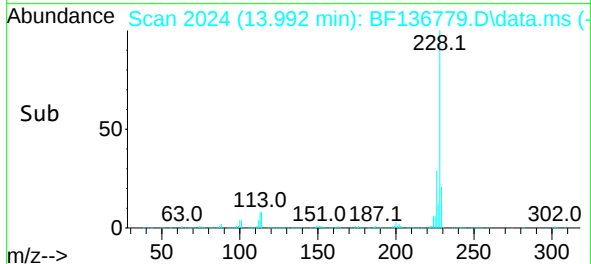
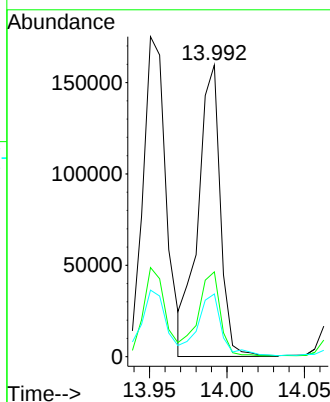
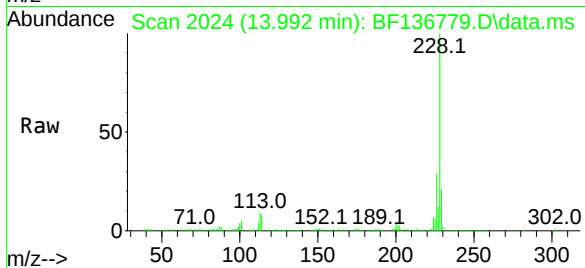
Tgt Ion:228 Resp: 16018

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.7	37.1
229	21.5	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

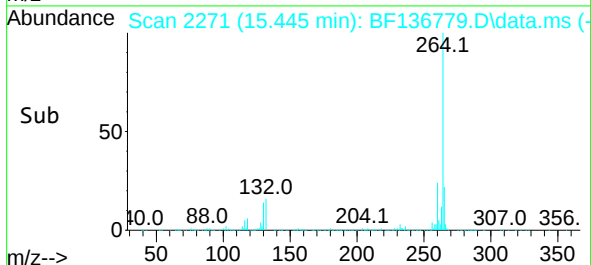
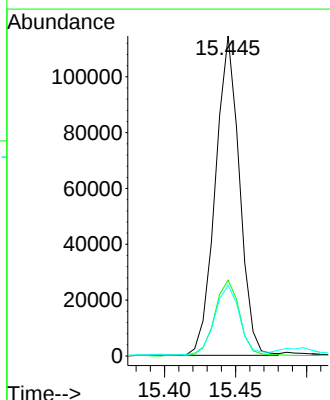
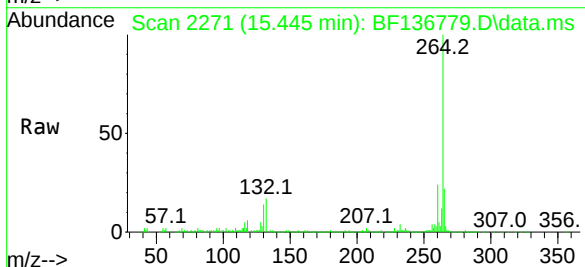
Delta R.T. -0.000 min

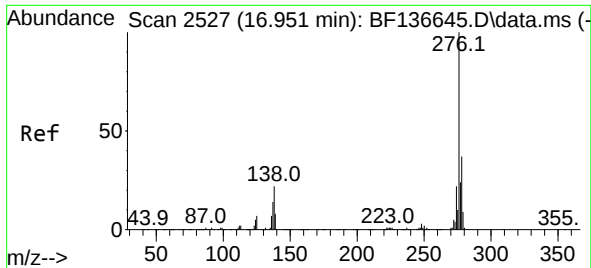
Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

Tgt Ion:264 Resp: 134871

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.3	27.5
265	22.1	17.0	25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.208 ng
RT: 16.939 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

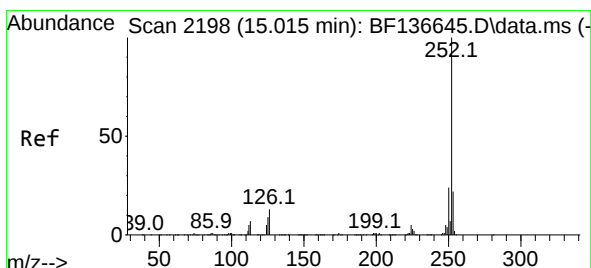
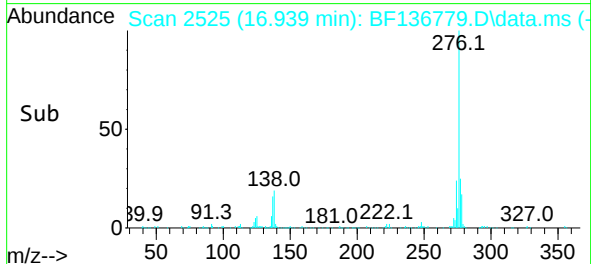
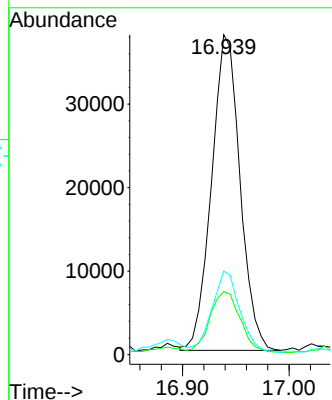
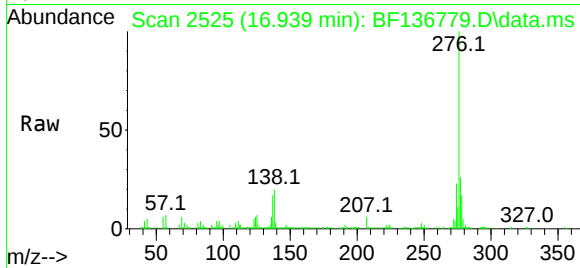
COMP-3

Tgt Ion:276 Resp: 70192
Ion Ratio Lower Upper
276 100
138 20.4 18.7 28.1
277 25.6 20.2 30.2

Manual Integrations

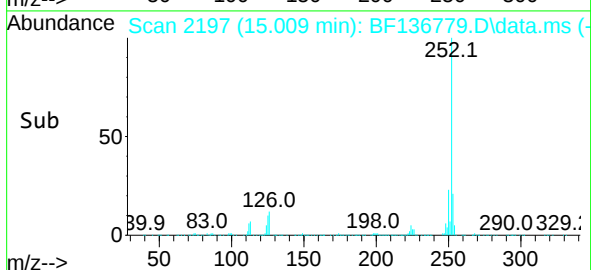
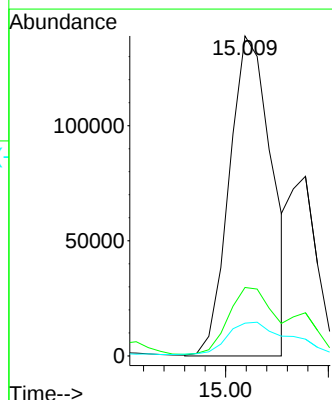
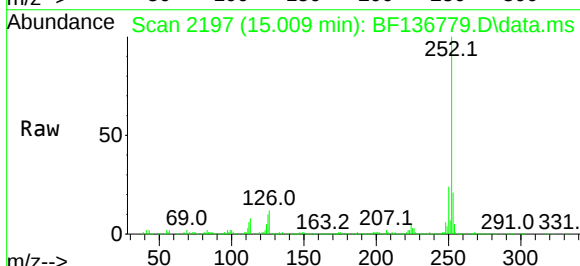
APPROVED

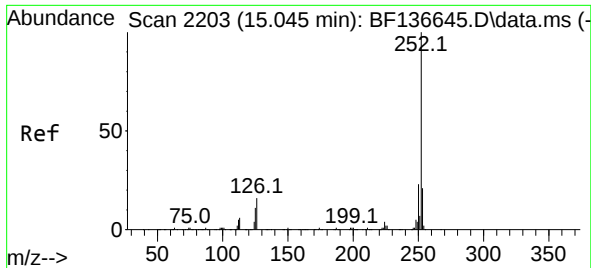
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#88
Benzo(b)fluoranthene
Concen: 22.127 ng m
RT: 15.009 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

Tgt Ion:252 Resp: 199319
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 10.3 7.4 11.2





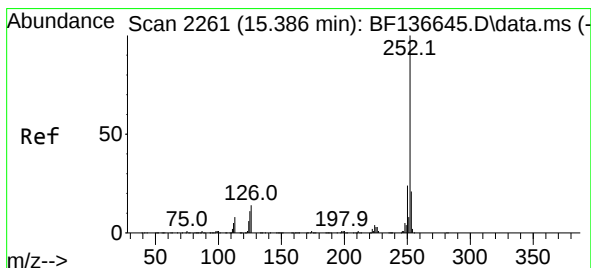
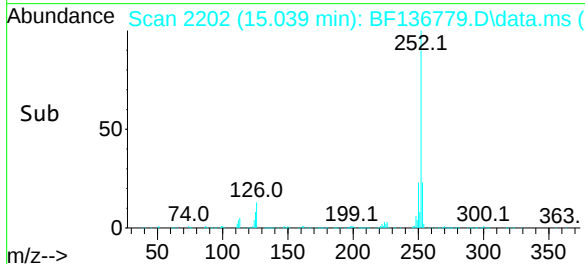
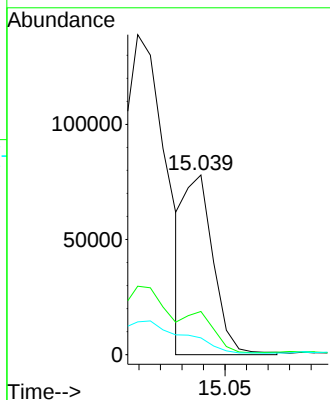
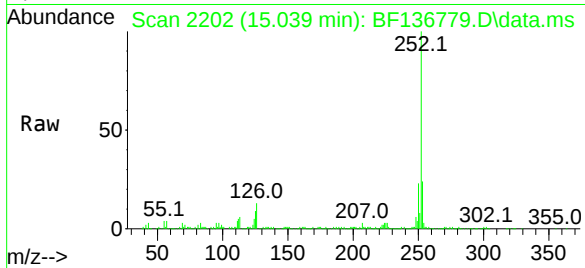
#89
Benzo(k)fluoranthene
Concen: 8.588 ng m
RT: 15.039 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion:252 Resp: 7310
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.6
125 9.4 8.2 12.4

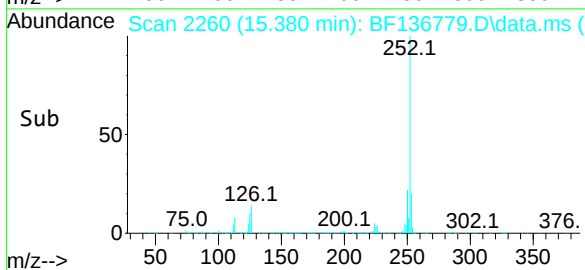
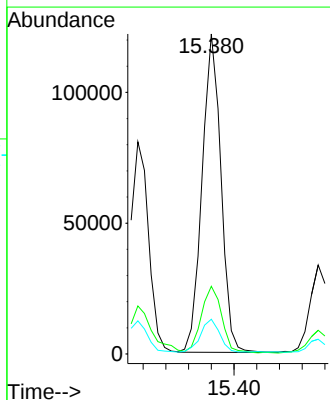
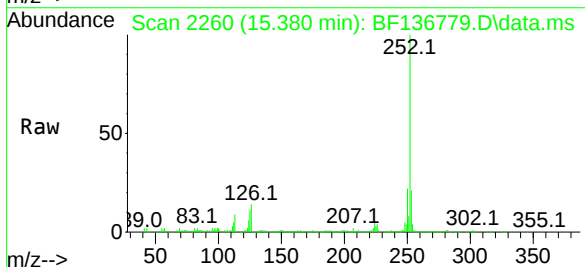
Manual Integrations
APPROVED

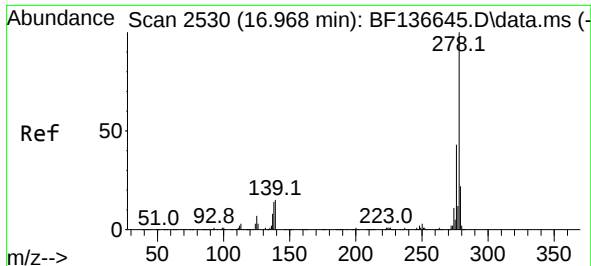
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#90
Benzo(a)pyrene
Concen: 18.490 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.006 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

Tgt Ion:252 Resp: 140594
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.6
125 10.8 8.8 13.2





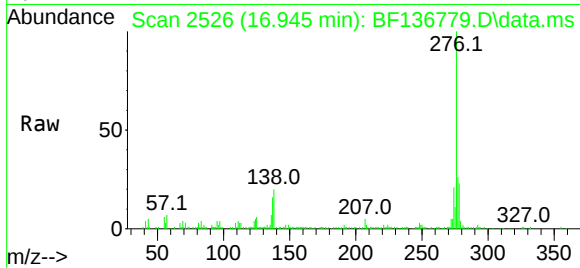
#91
Dibenzo(a,h)anthracene
Concen: 2.209 ng m
RT: 16.945 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

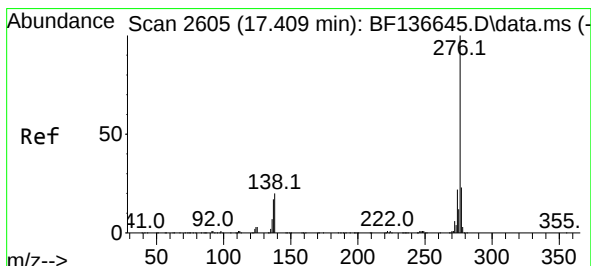
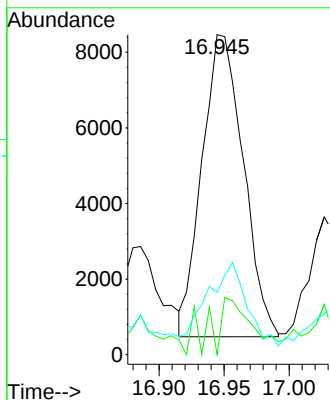
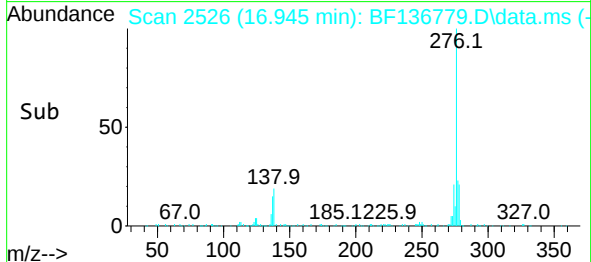
COMP-3



Tgt Ion:278 Resp: 1765
Ion Ratio Lower Upper
278 100
139 0.0 12.2 18.4
279 19.5 17.8 26.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#92
Benzo(g,h,i)perylene
Concen: 8.712 ng
RT: 17.398 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

Tgt Ion:276 Resp: 71282
Ion Ratio Lower Upper
276 100
277 23.7 18.3 27.5
138 18.3 15.6 23.4

