

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136780.D
 Acq On : 28 Dec 2023 02:38
 Operator : CG\JU
 Sample : 06018-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Manual Integrations
 APPROVED

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

Quant Time: Dec 28 03:28:10 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	66592	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	235866	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	102418	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	163012	20.000	ng	0.00
76) Chrysene-d12	13.968	240	138819	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	118217	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	354170	82.984	ng	0.00
7) Phenol-d6	6.428	99	430563	77.856	ng	-0.01
23) Nitrobenzene-d5	7.345	82	269167	58.396	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	88874	73.681	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	515248	67.664	ng	-0.02
79) Terphenyl-d14	12.904	244	458456	46.152	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.845	154	31703	5.121	ng	98
55) Dibenzofuran	10.022	168	29760	3.171	ng	91
58) Fluorene	10.363	166	40651	5.460	ng	98
71) Phenanthrene	11.333	178	425157	50.830	ng	100
72) Anthracene	11.386	178	112725	13.308	ng	98
73) Carbazole	11.545	167	53682	6.722	ng	99
75) Fluoranthene	12.533	202	582531	65.110	ng	99
78) Pyrene	12.763	202	493060	36.181	ng	99
81) Benzo(a)anthracene	13.957	228	265896	27.584	ng	99
83) Chrysene	13.992	228	233402m	24.761	ng	
87) Indeno(1,2,3-cd)pyrene	16.945	276	83998m	9.841	ng	
88) Benzo(b)fluoranthene	15.015	252	260995m	33.055	ng	
89) Benzo(k)fluoranthene	15.039	252	68720m	9.211	ng	
90) Benzo(a)pyrene	15.386	252	161236	24.192	ng	98
91) Dibenzo(a,h)anthracene	16.956	278	21076	3.010	ng	# 87
92) Benzo(g,h,i)perylene	17.403	276	77320	10.781	ng	98

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

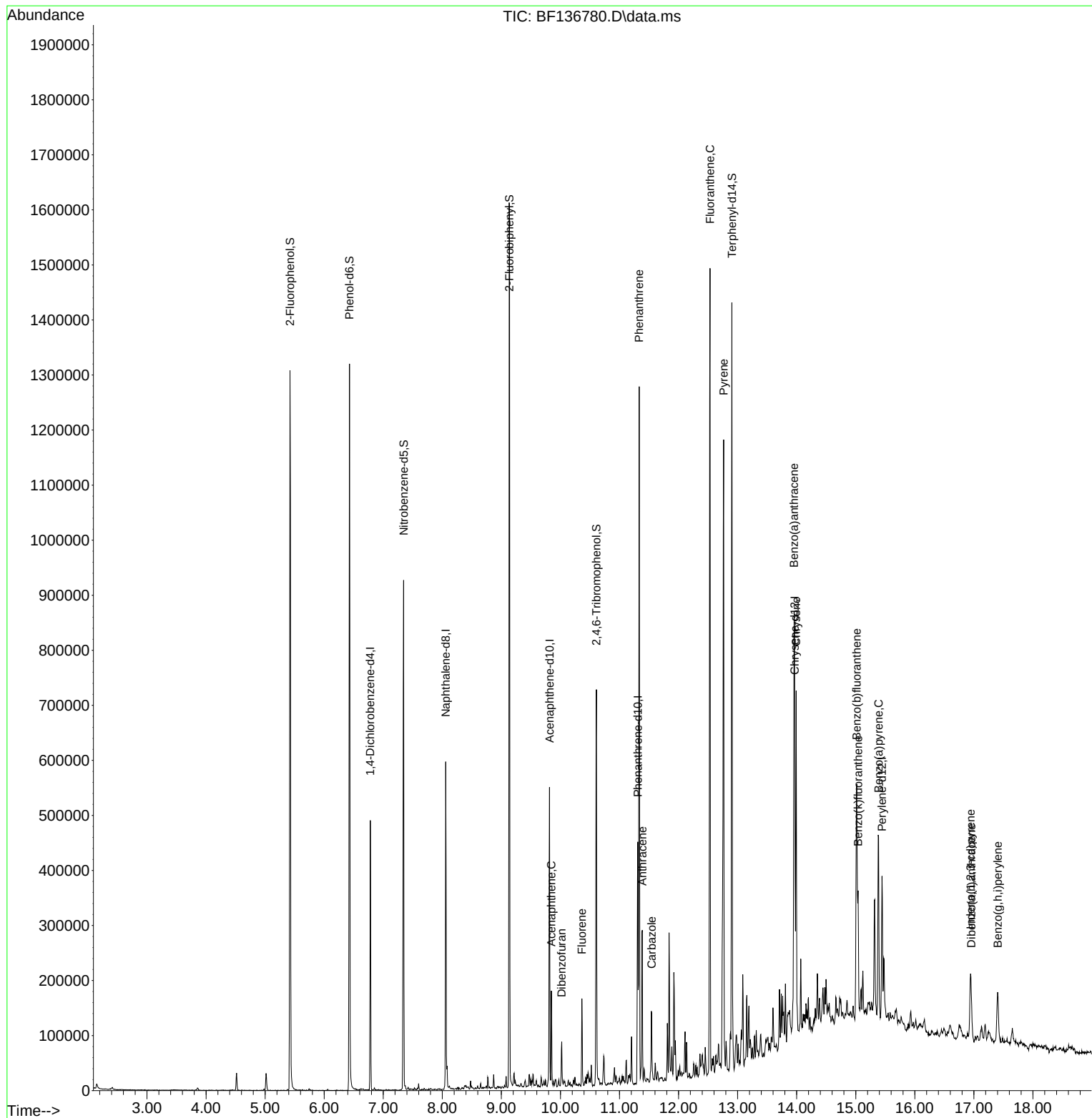
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
Data File : BF136780.D
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ALS Vial : 20 Sample Multiplier: 1

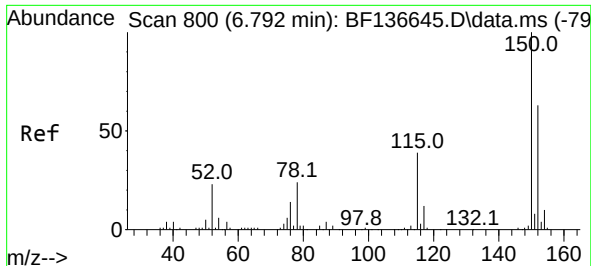
Instrument :
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Quant Time: Dec 28 03:28:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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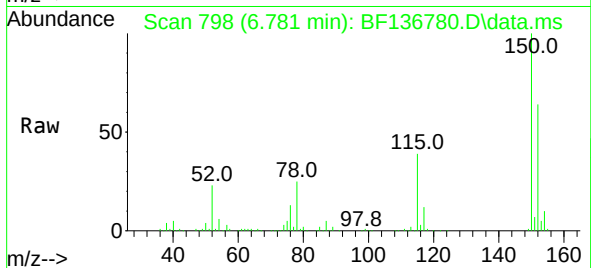
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

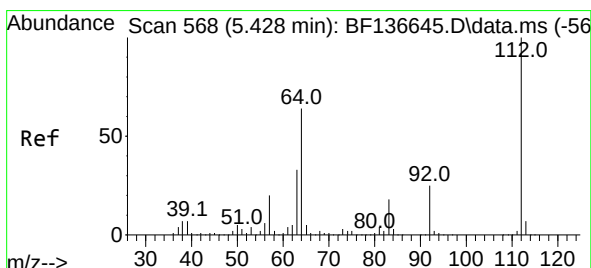
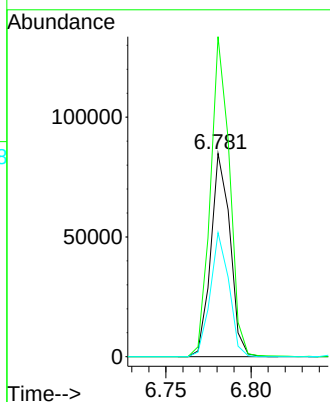
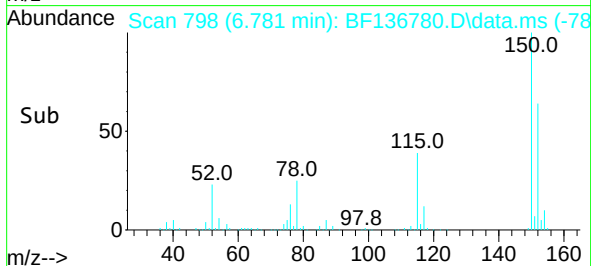
Instrument :
BNA_F
ClientSampleId :
COMP-2



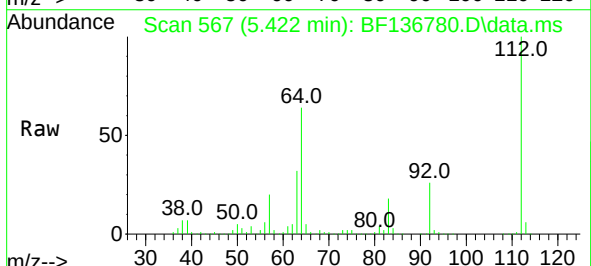
Tgt Ion:152 Resp: 66592
Ion Ratio Lower Upper
152 100
150 157.5 127.0 190.6
115 61.0 49.0 73.4

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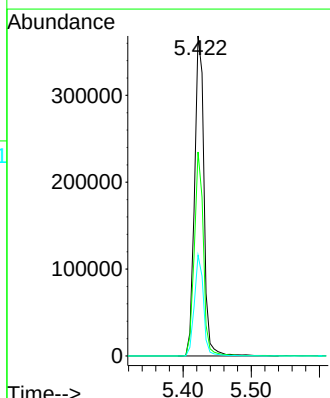
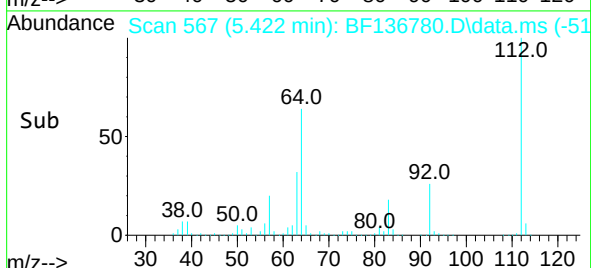
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023

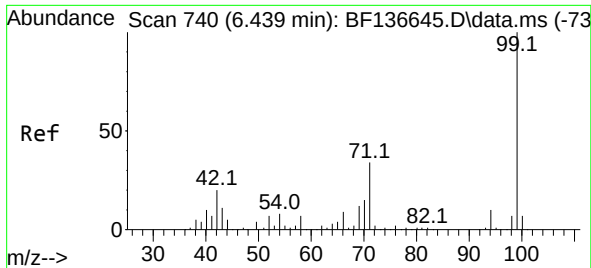


#5
2-Fluorophenol
Concen: 82.984 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38



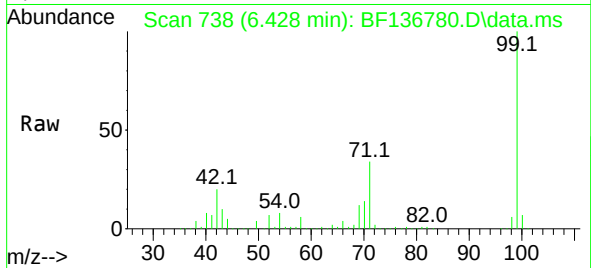
Tgt Ion:112 Resp: 354170
Ion Ratio Lower Upper
112 100
64 63.8 51.1 76.7
63 31.5 26.1 39.1





#7
Phenol-d6
Concen: 77.856 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

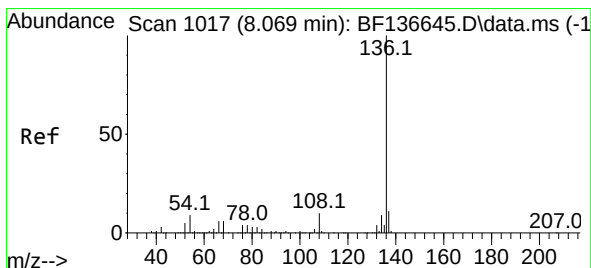
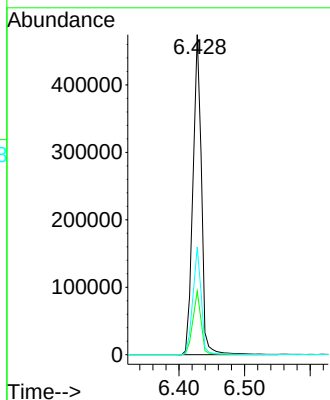
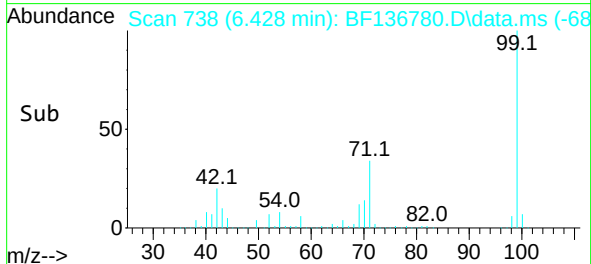
Instrument :
BNA_F
ClientSampleId :
COMP-2



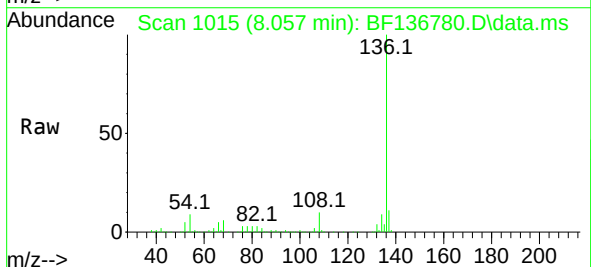
Tgt Ion: 99 Resp: 43056
Ion Ratio Lower Upper
99 100
42 19.9 16.1 24.1
71 33.7 27.4 41.2

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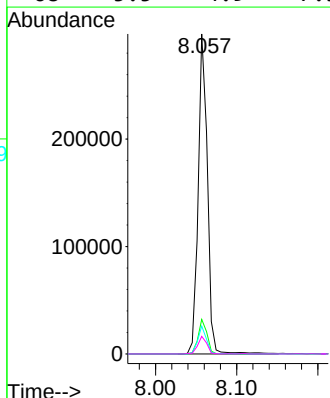
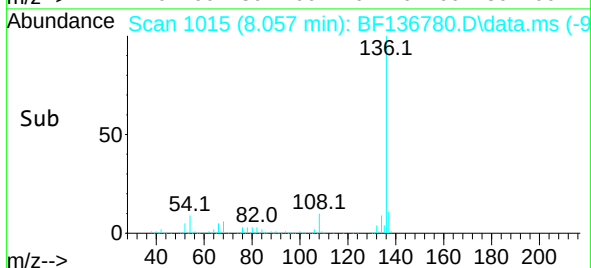
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023

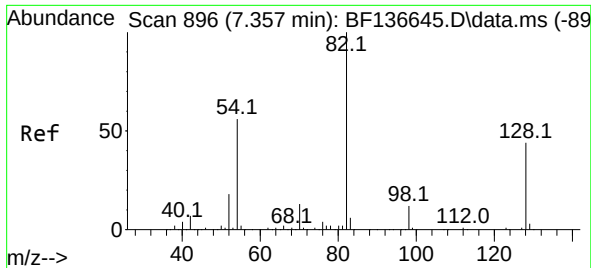


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38



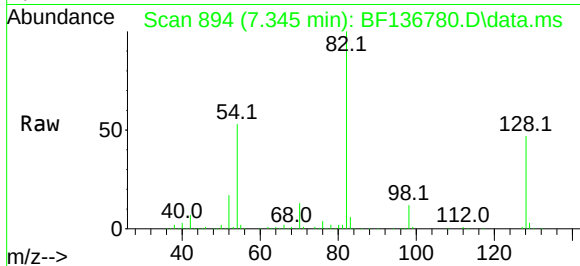
Tgt Ion:136 Resp: 235866
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.7 7.2 10.8
68 5.5 4.9 7.3





#23
Nitrobenzene-d5
Concen: 58.396 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

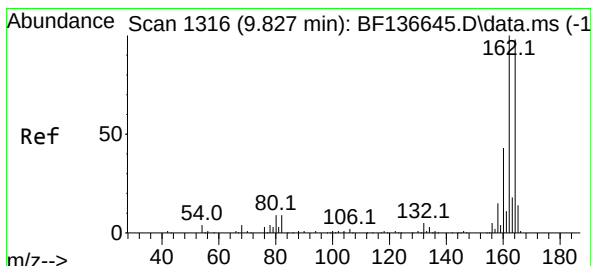
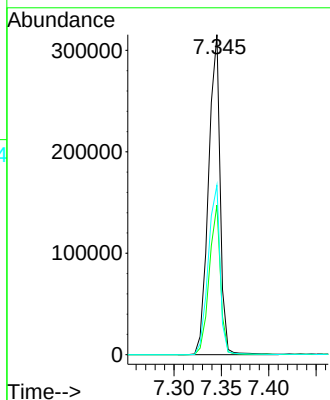
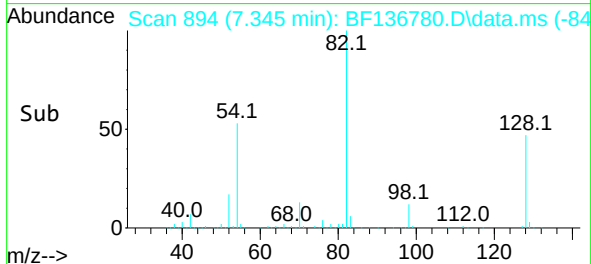
Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion: 82 Resp: 26916
Ion Ratio Lower Upper
82 100
128 46.8 35.3 52.9
54 53.0 44.5 66.7

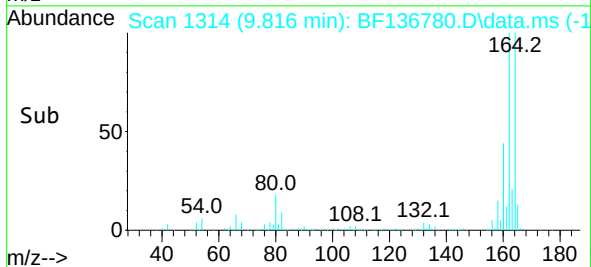
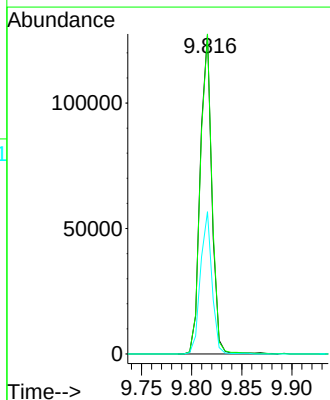
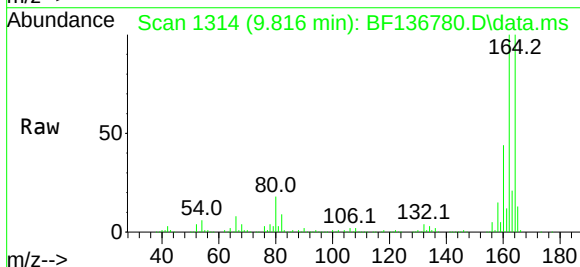
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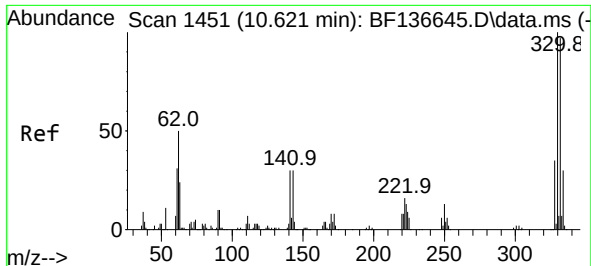
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Tgt Ion:164 Resp: 102418
Ion Ratio Lower Upper
164 100
162 100.0 81.6 122.4
160 44.4 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 73.681 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Instrument :

BNA_F

ClientSampleId :

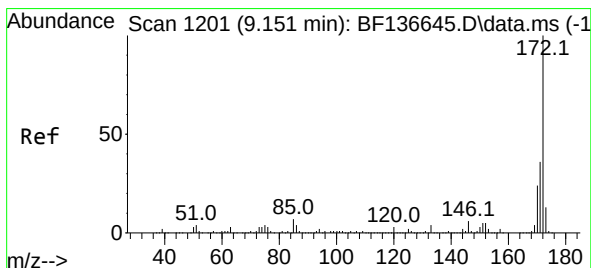
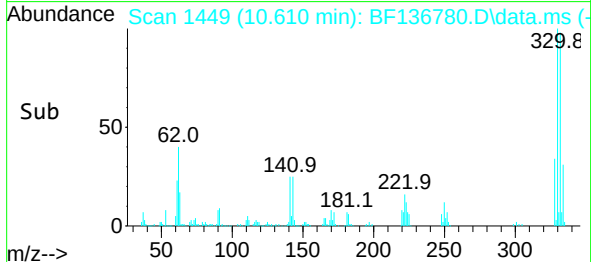
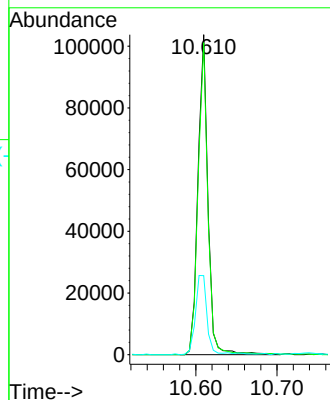
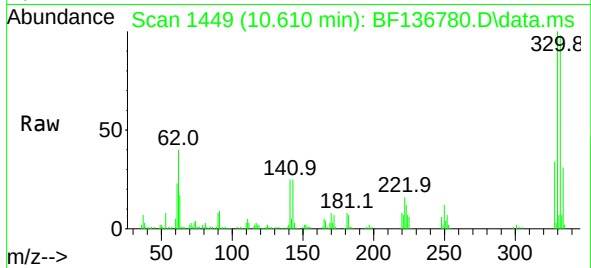
COMP-2

Tgt Ion:330 Resp: 88874
Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.0
141 29.5 23.4 35.2

Manual Integrations

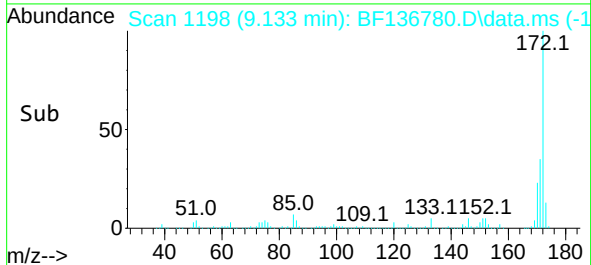
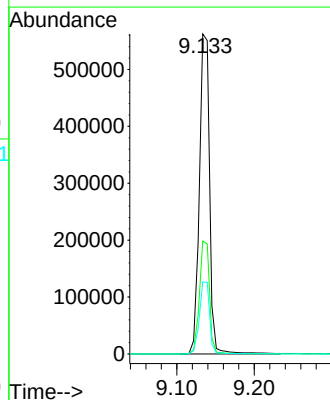
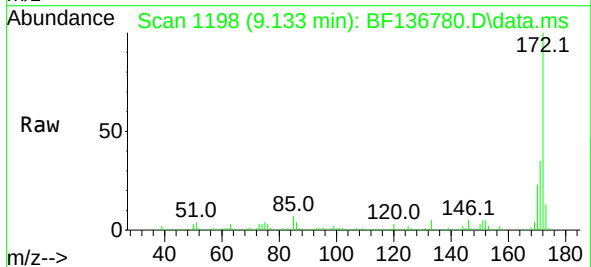
APPROVED

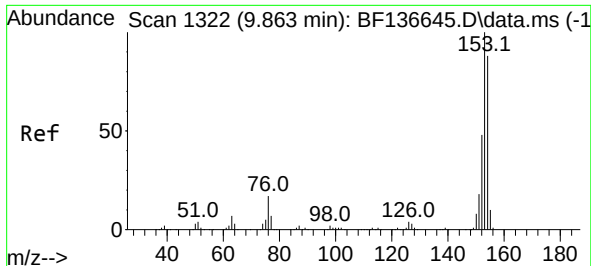
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#45
2-Fluorobiphenyl
Concen: 67.664 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

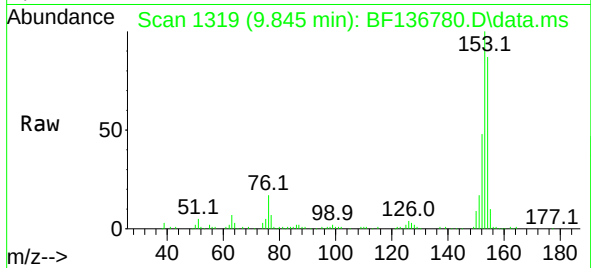
Tgt Ion:172 Resp: 515248
Ion Ratio Lower Upper
172 100
171 35.3 29.0 43.6
170 22.5 19.0 28.4





#52
Acenaphthene
Concen: 5.121 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

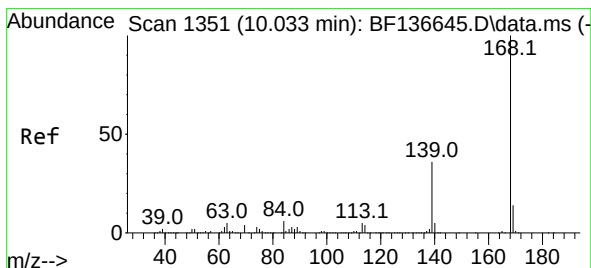
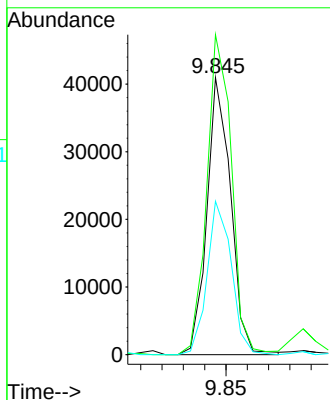
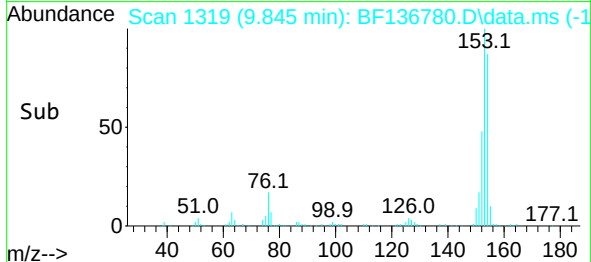
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ClientSampleId :
COMP-2



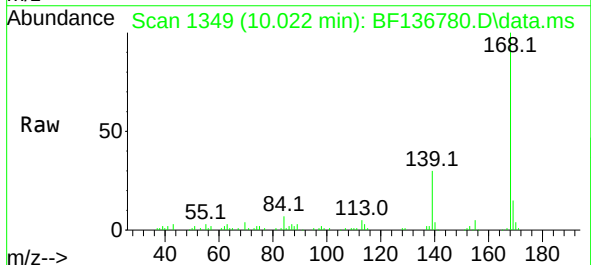
Tgt Ion:154 Resp: 3170
Ion Ratio Lower Upper
154 100
153 115.5 90.7 136.1
152 55.4 43.7 65.5

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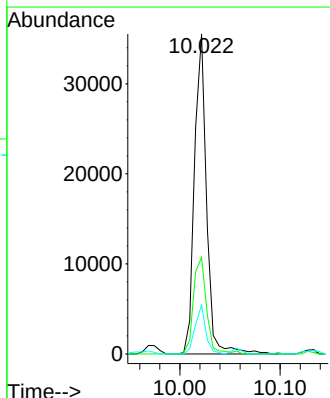
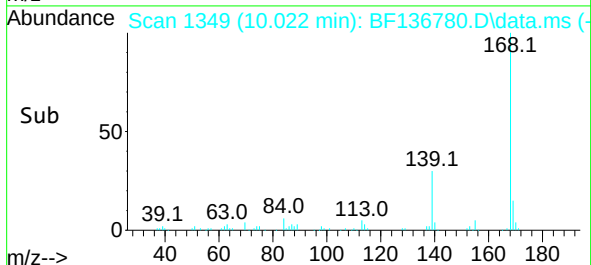
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023

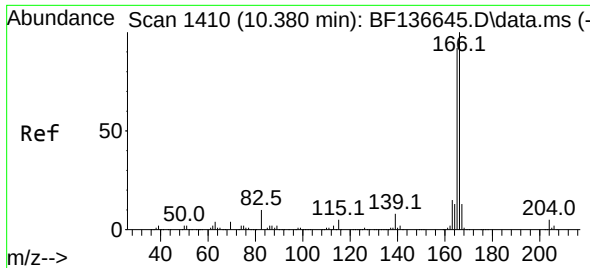


#55
Dibenzofuran
Concen: 3.171 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38



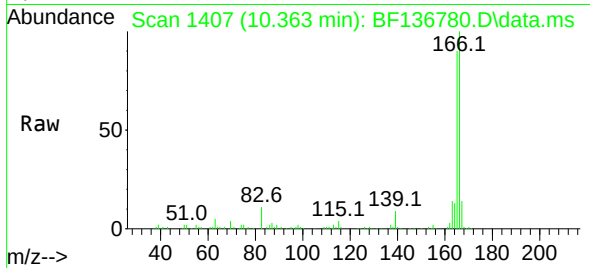
Tgt Ion:168 Resp: 29760
Ion Ratio Lower Upper
168 100
139 30.2 29.3 43.9
169 15.2 11.0 16.4





#58
Fluorene
Concen: 5.460 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

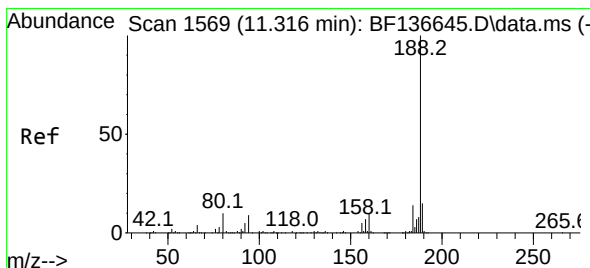
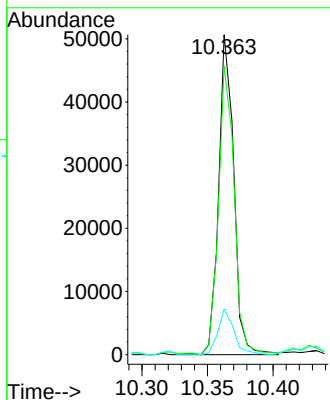
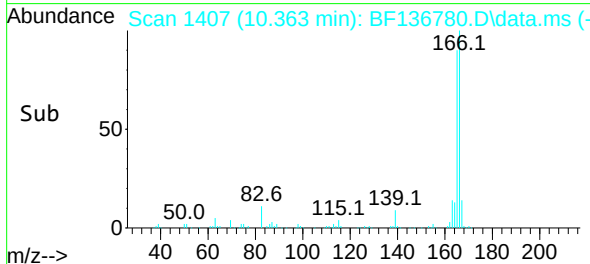
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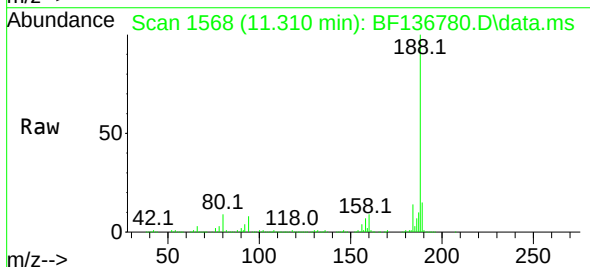
Tgt Ion:166 Resp: 4065
Ion Ratio Lower Upper
166 100
165 90.1 73.7 110.5
167 14.2 10.4 15.6

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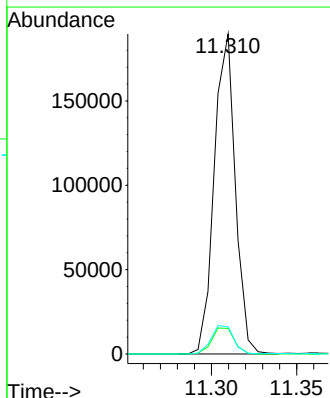
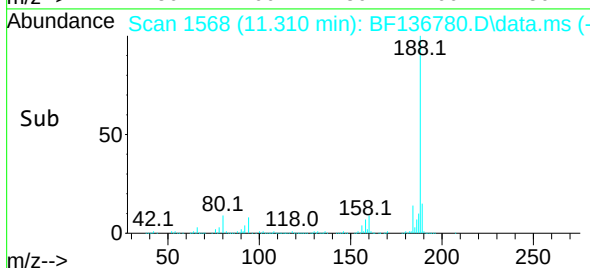
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023

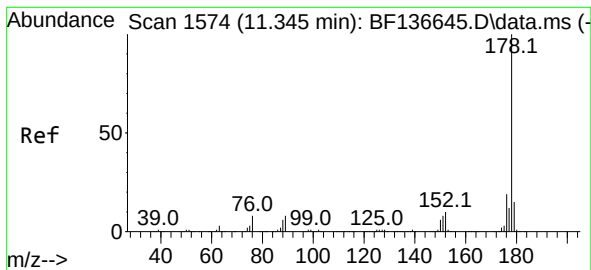


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38



Tgt Ion:188 Resp: 163012
Ion Ratio Lower Upper
188 100
94 8.0 7.5 11.3
80 8.5 8.1 12.1





#71

Phenanthrene

Concen: 50.830 ng

RT: 11.333 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136780.D

Acq: 28 Dec 2023 02:38

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion:178 Resp: 42515

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

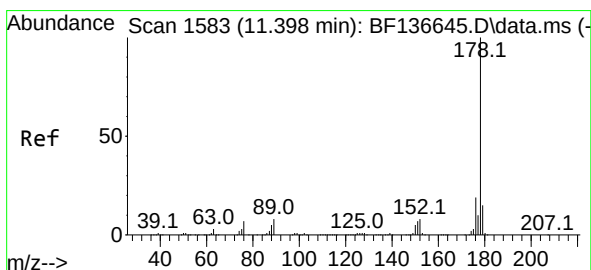
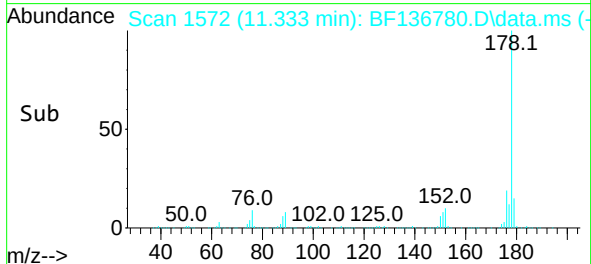
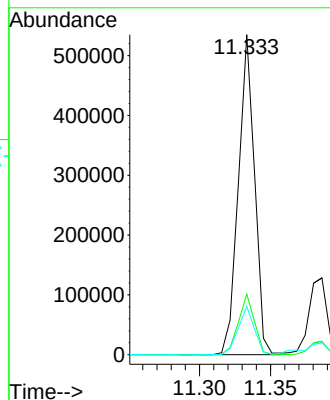
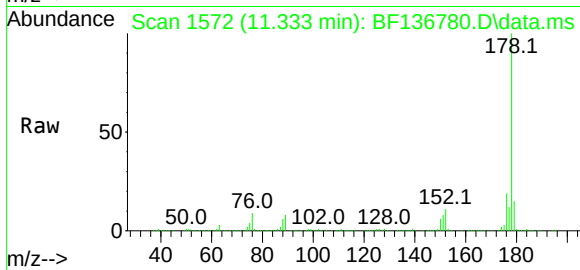
179 15.1 11.9 17.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :Sohil Jodhani 12/28/2023



#72

Anthracene

Concen: 13.308 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF136780.D

Acq: 28 Dec 2023 02:38

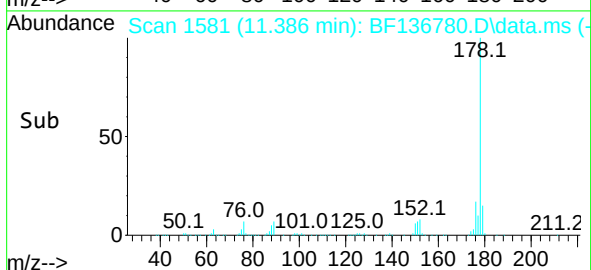
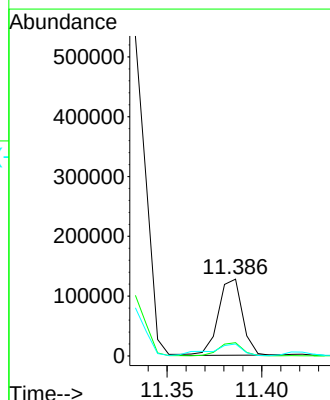
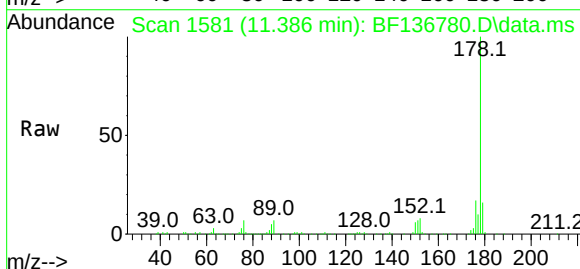
Tgt Ion:178 Resp: 112725

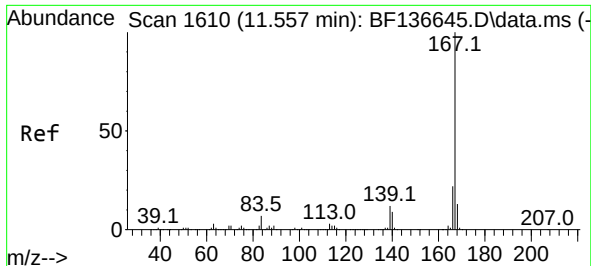
Ion Ratio Lower Upper

178 100

176 17.4 14.9 22.3

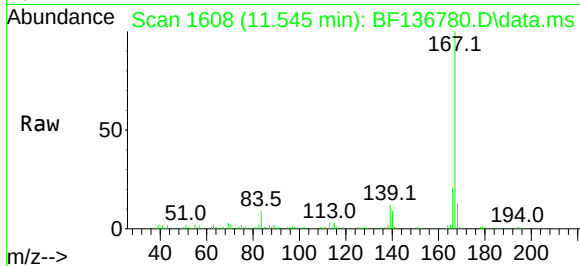
179 15.6 11.8 17.6





#73
 Carbazole
 Concen: 6.722 ng
 RT: 11.545 min Scan# 1608
 Delta R.T. -0.012 min
 Lab File: BF136780.D
 Acq: 28 Dec 2023 02:38

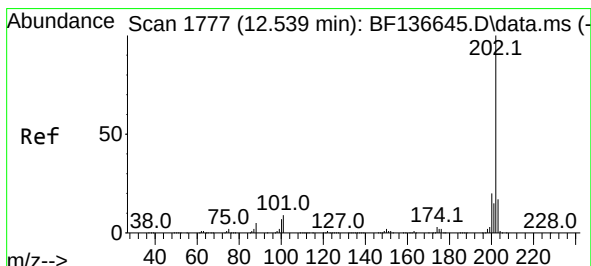
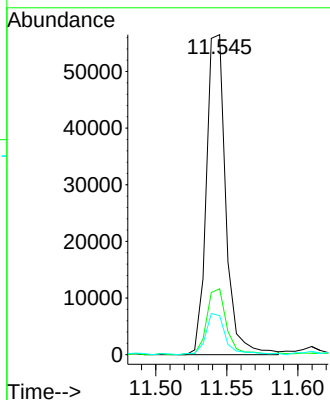
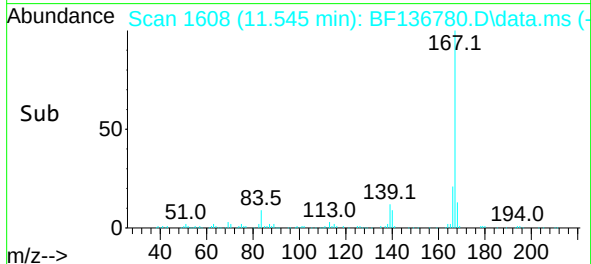
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2



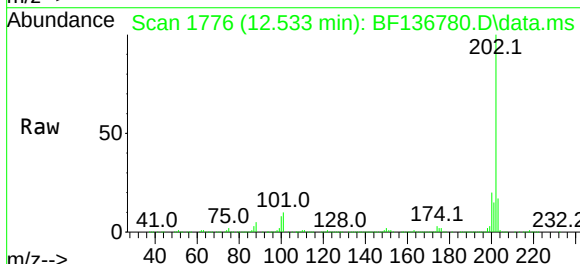
Tgt Ion:167 Resp: 5368
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.3 25.9
 139 12.2 9.8 14.6

Manual Integrations
 APPROVED

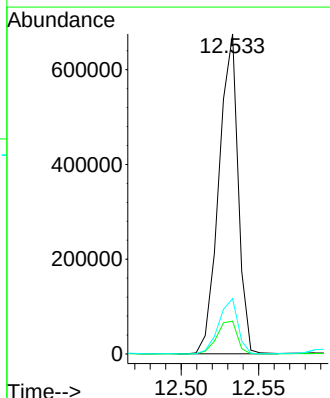
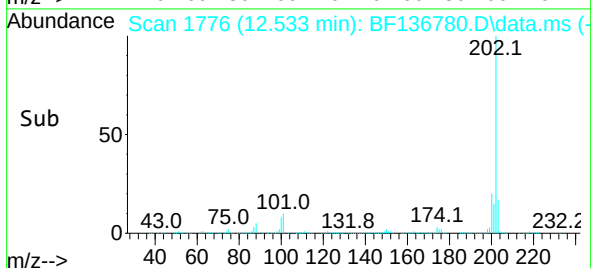
Reviewed By :Yogesh Patel 12/28/2023
 Supervised By :Sohil Jodhani 12/28/2023

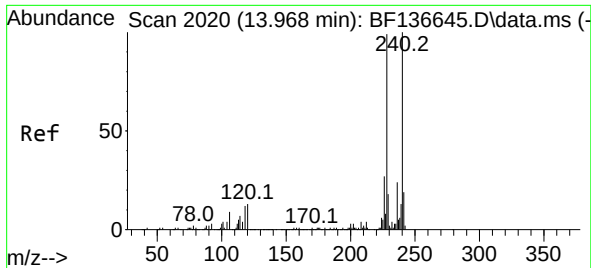


#75
 Fluoranthene
 Concen: 65.110 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF136780.D
 Acq: 28 Dec 2023 02:38



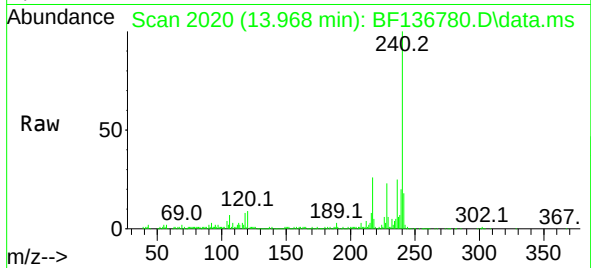
Tgt Ion:202 Resp: 582531
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 29.3
 203 17.3 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

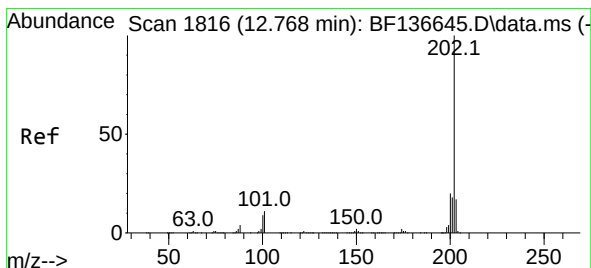
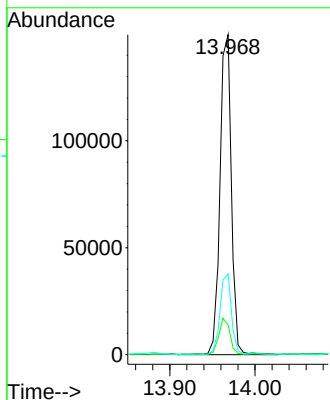
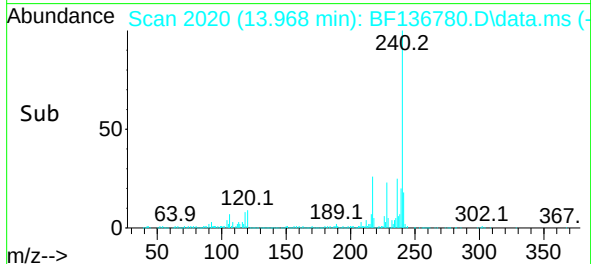
Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion:240 Resp: 138819
Ion Ratio Lower Upper
240 100
120 9.2 10.3 15.5
236 25.3 19.4 29.2

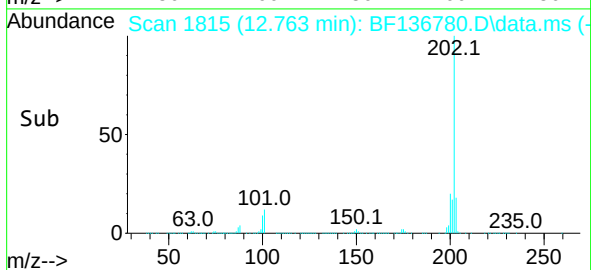
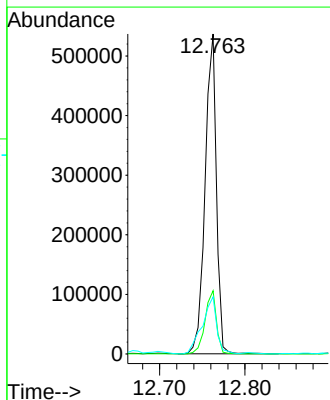
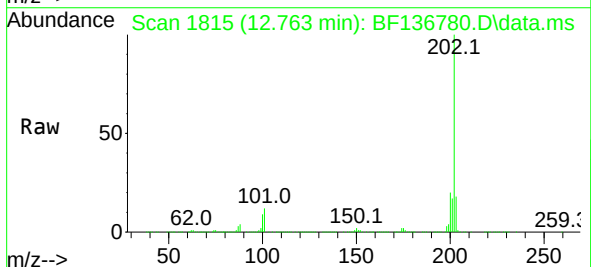
Manual Integrations
APPROVED

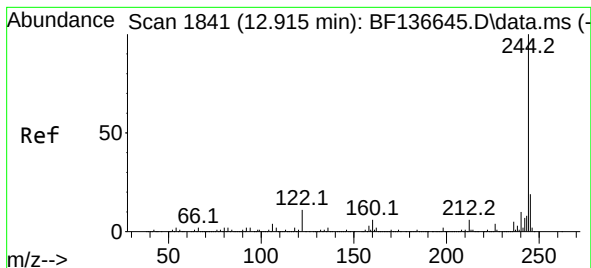
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#78
Pyrene
Concen: 36.181 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Tgt Ion:202 Resp: 493060
Ion Ratio Lower Upper
202 100
200 19.8 15.9 23.9
203 17.9 13.8 20.6





#79

Terphenyl-d14

Concen: 46.152 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136780.D

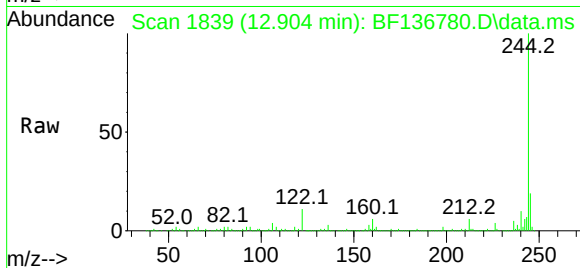
Acq: 28 Dec 2023 02:38

Instrument :

BNA_F

ClientSampleId :

COMP-2

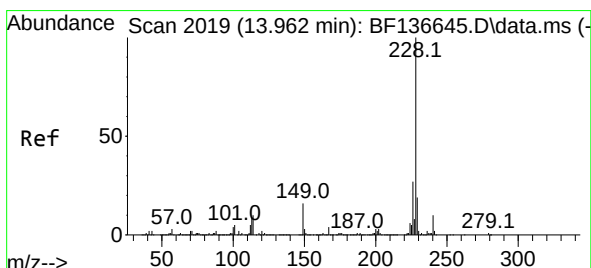
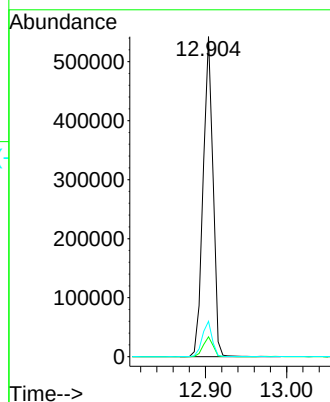
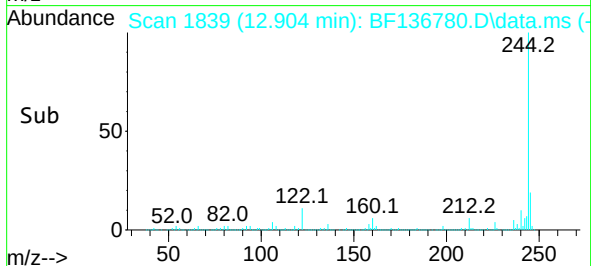


Tgt Ion:	244	Resp:	458450
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.0	7.4
122	11.1	9.0	13.4

Manual Integrations

APPROVED

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



#81

Benzo(a)anthracene

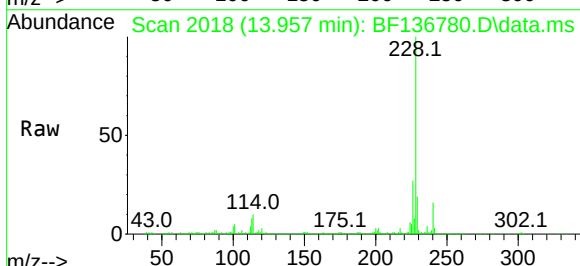
Concen: 27.584 ng

RT: 13.957 min Scan# 2018

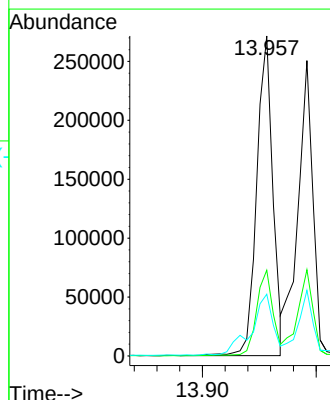
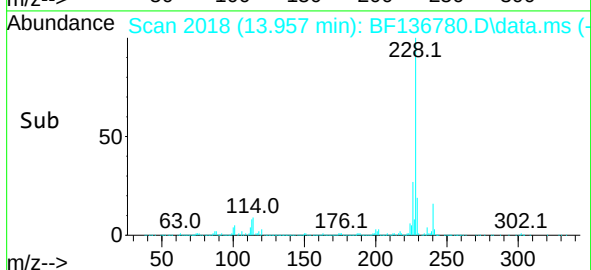
Delta R.T. -0.006 min

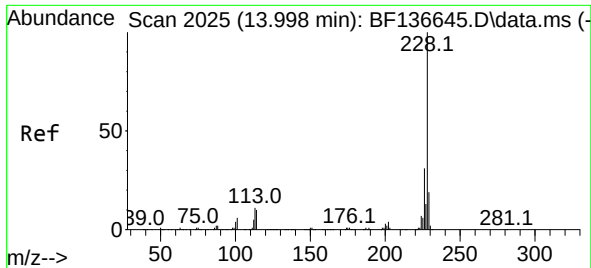
Lab File: BF136780.D

Acq: 28 Dec 2023 02:38



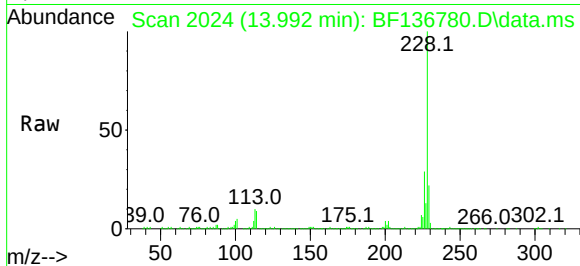
Tgt Ion:	228	Resp:	265896
Ion Ratio	Lower	Upper	
228	100		
226	26.8	21.4	32.0
229	19.3	14.9	22.3





#83
Chrysene
Concen: 24.761 ng m
RT: 13.992 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

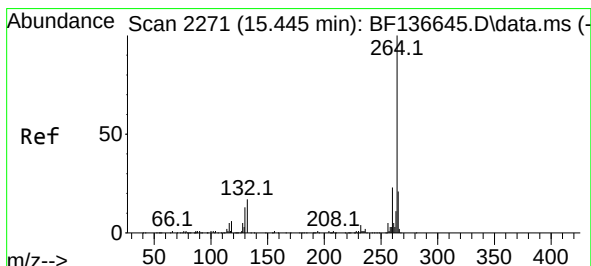
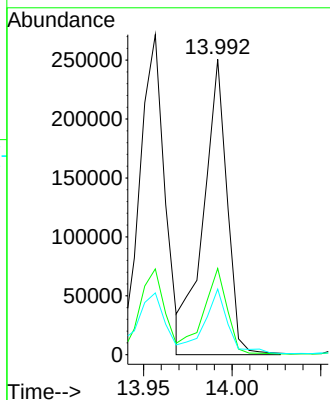
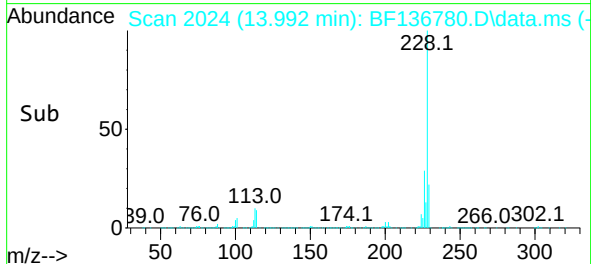
Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion:228 Resp: 23340
Ion Ratio Lower Upper
228 100
226 29.2 24.7 37.1
229 22.2 15.4 23.0

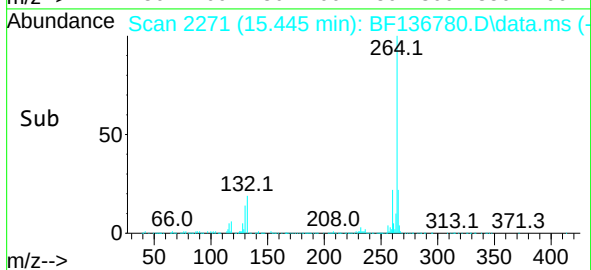
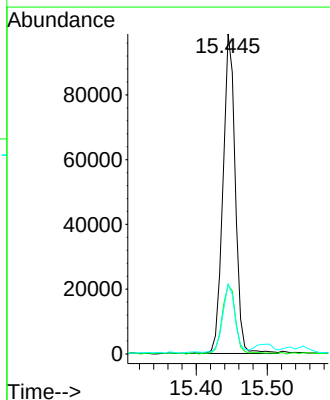
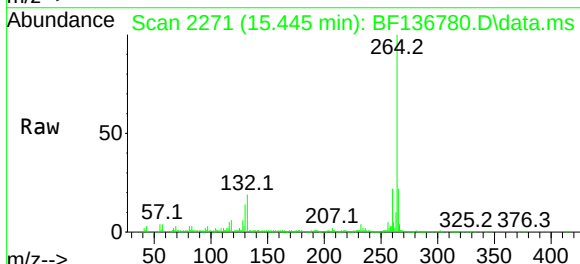
Manual Integrations
APPROVED

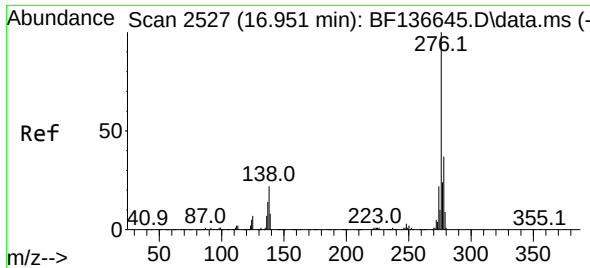
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Tgt Ion:264 Resp: 118217
Ion Ratio Lower Upper
264 100
260 21.5 18.3 27.5
265 21.8 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.841 ng m
RT: 16.945 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Instrument :

BNA_F

ClientSampleId :

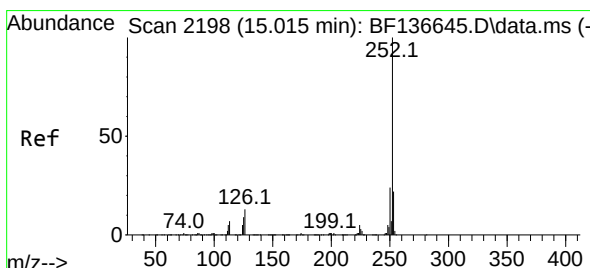
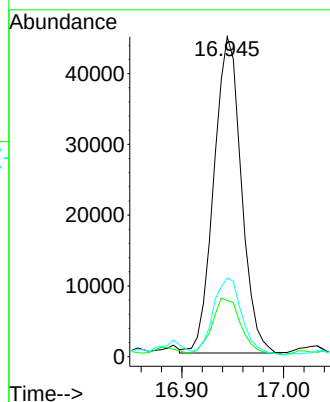
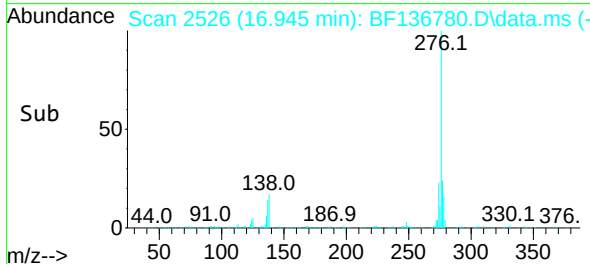
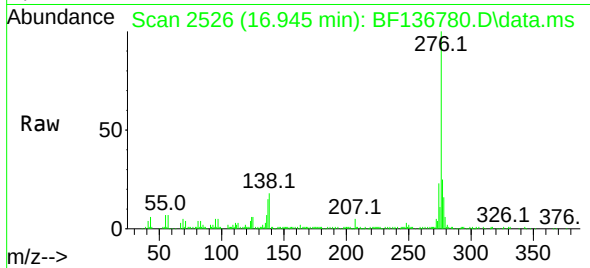
COMP-2

Tgt Ion:276 Resp: 83998
Ion Ratio Lower Upper
276 100
138 5.3 18.7 28.1
277 5.2 20.2 30.2

Manual Integrations

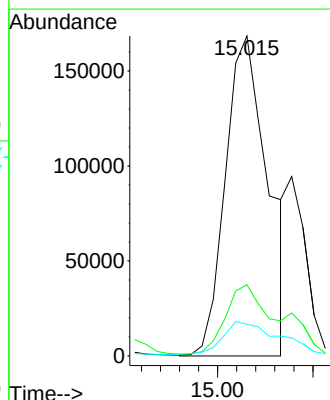
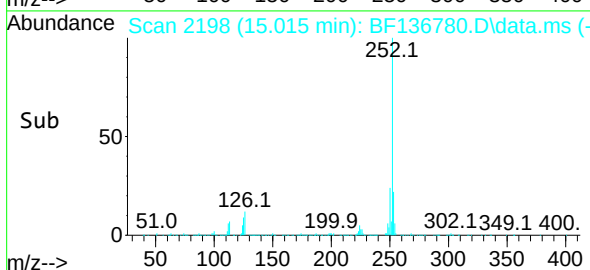
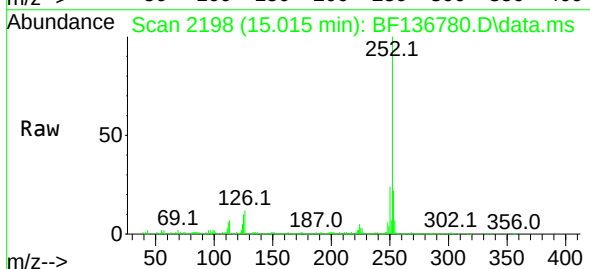
APPROVED

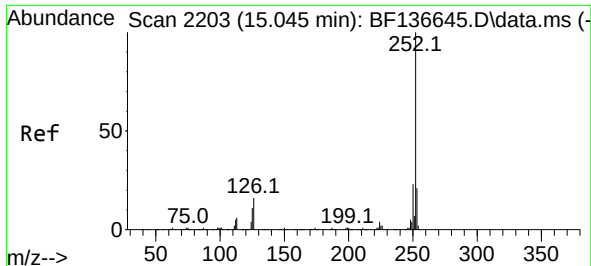
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#88
Benzo(b)fluoranthene
Concen: 33.055 ng m
RT: 15.015 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Tgt Ion:252 Resp: 260995
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 9.9 7.4 11.2





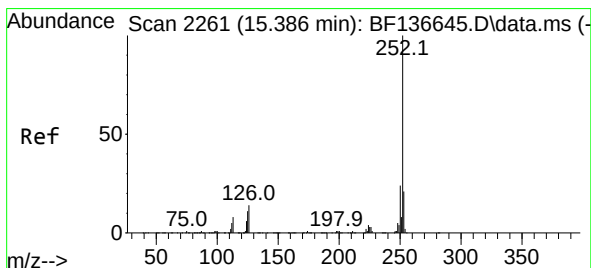
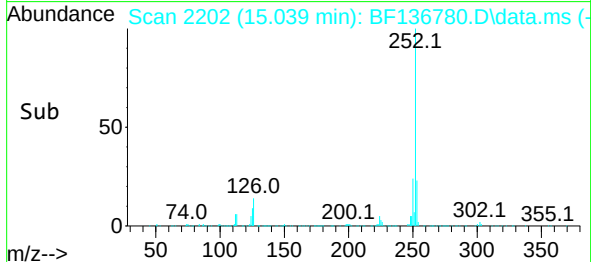
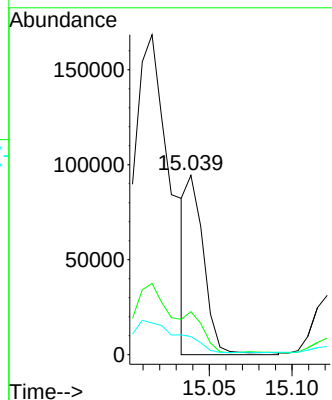
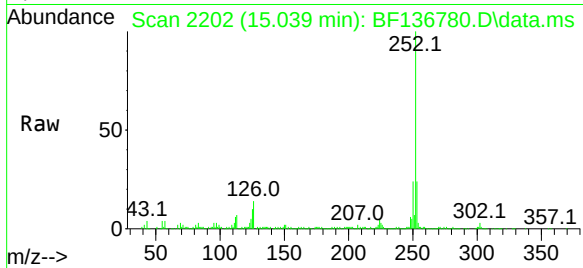
#89
Benzo(k)fluoranthene
Concen: 9.211 ng m
RT: 15.039 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:252 Resp: 68720
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.6
125 10.1 8.2 12.4

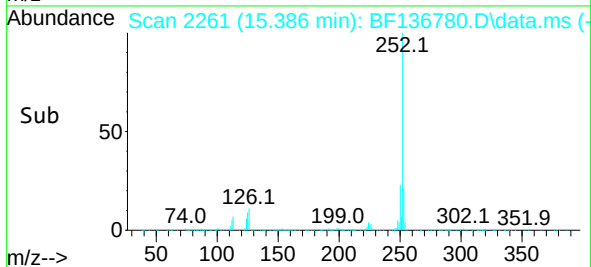
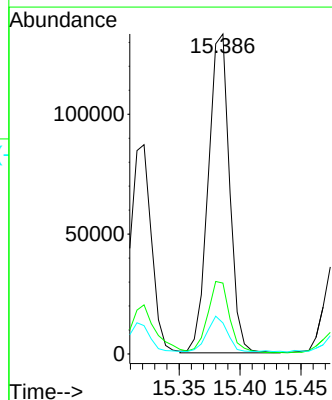
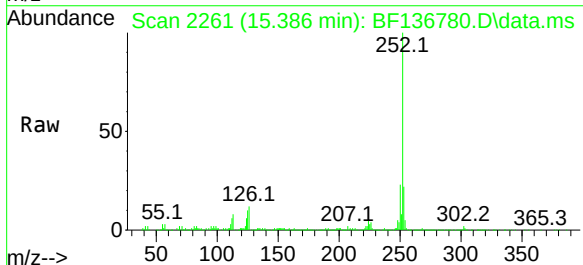
Manual Integrations
APPROVED

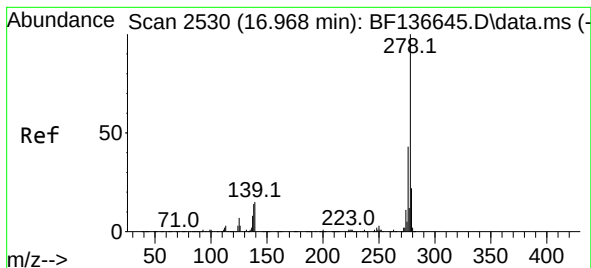
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#90
Benzo(a)pyrene
Concen: 24.192 ng
RT: 15.386 min Scan# 2261
Delta R.T. 0.000 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Tgt Ion:252 Resp: 161236
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 9.7 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 3.010 ng

RT: 16.956 min Scan# 2107

Delta R.T. -0.012 min

Lab File: BF136780.D

Acq: 28 Dec 2023 02:38

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion:278 Resp: 2107

Ion Ratio Lower Upper

278 100

139 20.1 12.2 18.4

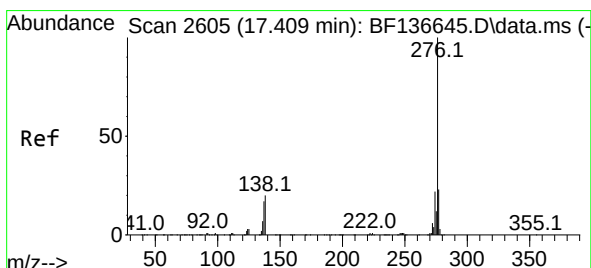
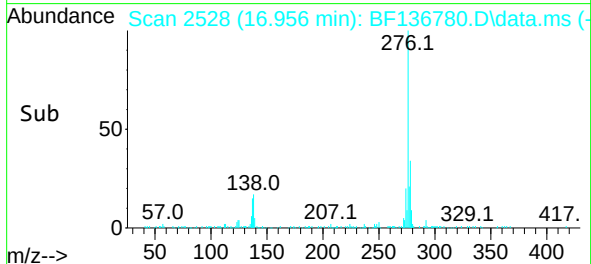
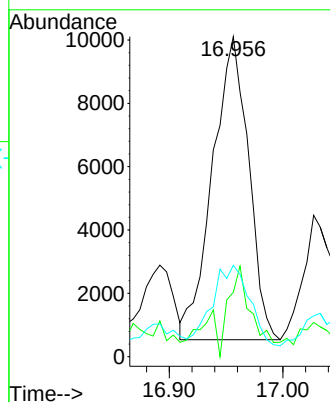
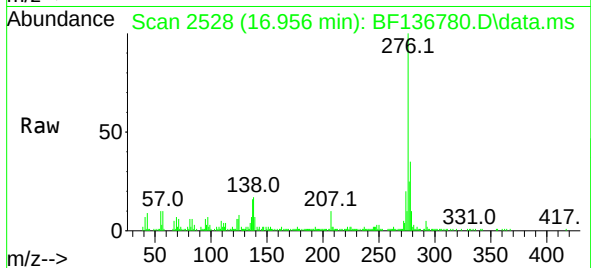
279 28.6 17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :Sohil Jodhani 12/28/2023



#92

Benzo(g,h,i)perylene

Concen: 10.781 ng

RT: 17.403 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF136780.D

Acq: 28 Dec 2023 02:38

Tgt Ion:276 Resp: 77320

Ion Ratio Lower Upper

276 100

277 24.0 18.3 27.5

138 20.2 15.6 23.4

