

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136781.D
 Acq On : 28 Dec 2023 03:09
 Operator : CG\JU
 Sample : 06011-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-122223

Quant Time: Dec 28 04:02:13 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 12/28/2023
 Supervised By :Sohil Jodhani 12/28/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	70273	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	248662	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	105785	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	170647	20.000	ng	0.00
76) Chrysene-d12	13.969	240	138762	20.000	ng	0.00
86) Perylene-d12	15.451	264	105120	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	75341	16.728	ng	-0.01
7) Phenol-d6	6.422	99	88747	15.207	ng	-0.02
23) Nitrobenzene-d5	7.340	82	54817	11.281	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	18109	14.535	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	108601	13.808	ng	-0.02
79) Terphenyl-d14	12.904	244	89621	9.026	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.769	142	28000	3.185	ng	90
38) 1-Methylnaphthalene	8.869	142	33593	3.895	ng	95
52) Acenaphthene	9.845	154	40216	6.290	ng	96
55) Dibenzofuran	10.022	168	26268	2.710	ng	# 96
58) Fluorene	10.363	166	52534m	6.831	ng	
71) Phenanthrene	11.333	178	334843	38.241	ng	99
72) Anthracene	11.386	178	79653	8.983	ng	98
75) Fluoranthene	12.527	202	307997	32.885	ng	97
78) Pyrene	12.763	202	345909	25.394	ng	100
81) Benzo(a)anthracene	13.957	228	169493	17.591	ng	96
83) Chrysene	13.992	228	147496	15.654	ng	97
84) Bis(2-ethylhexyl)phtha...	13.951	149	60585	9.715	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.951	276	44281	5.834	ng	93
88) Benzo(b)fluoranthene	15.016	252	128086m	18.243	ng	
89) Benzo(k)fluoranthene	15.039	252	40645m	6.127	ng	
90) Benzo(a)pyrene	15.386	252	89386	15.082	ng	# 98
91) Dibenzo(a,h)anthracene	16.962	278	12894	2.071	ng	# 58
92) Benzo(g,h,i)perylene	17.410	276	42471	6.660	ng	93

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

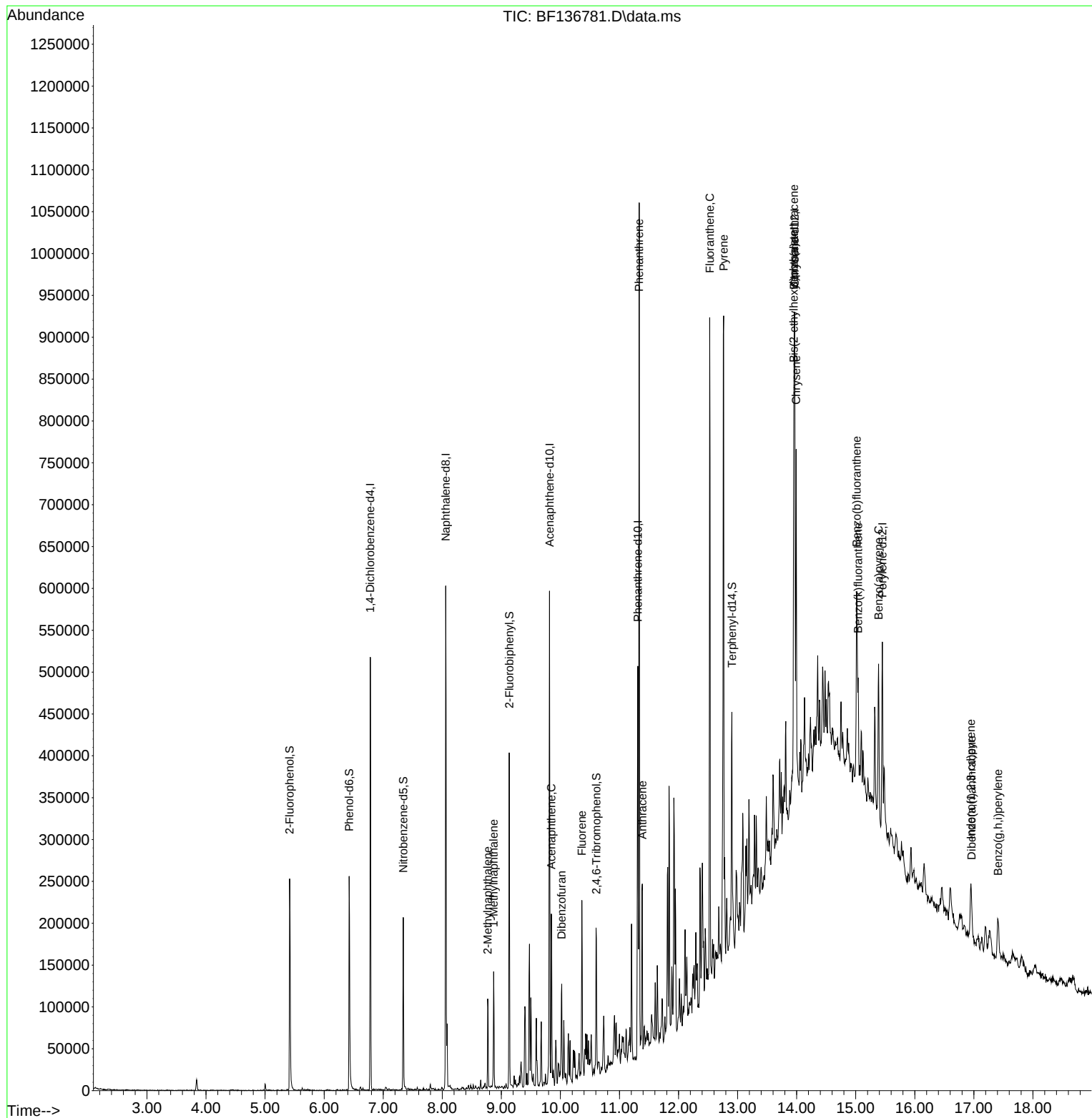
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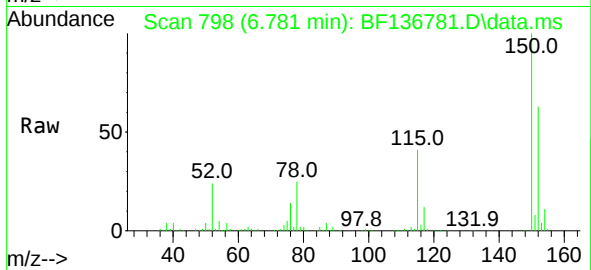
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

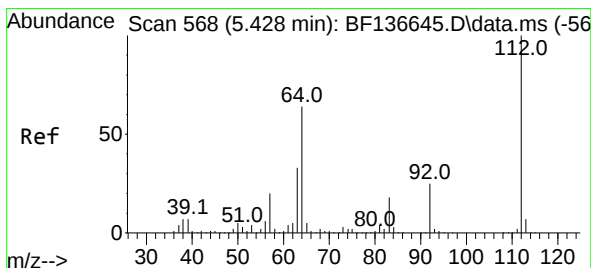
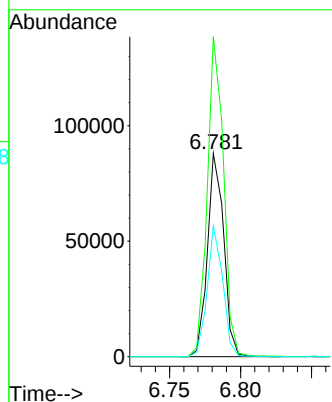
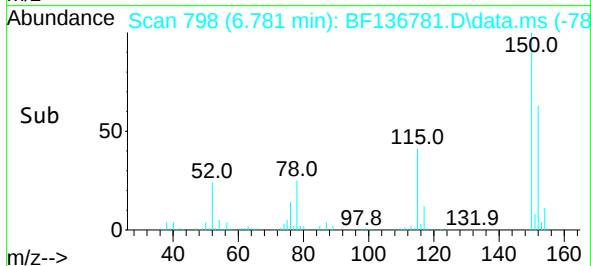
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BNA_F
ClientSampleId :
SU-03-122223



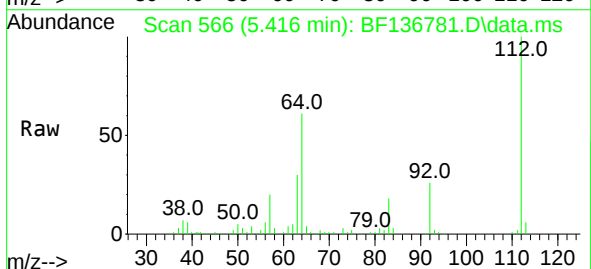
Tgt Ion:152 Resp: 7027
Ion Ratio Lower Upper
152 100
150 157.5 127.0 190.6
115 64.3 49.0 73.4

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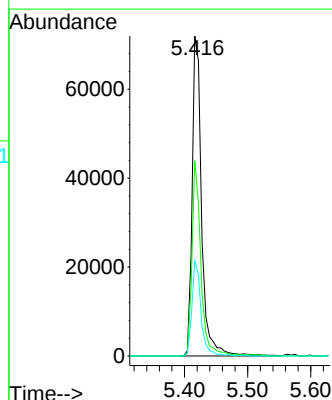
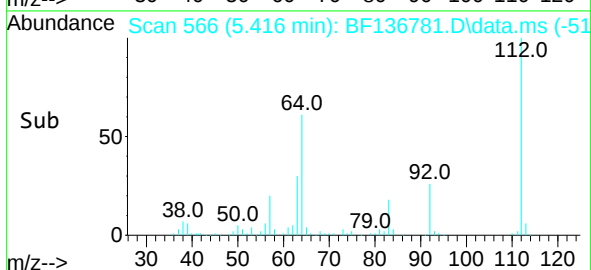
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023

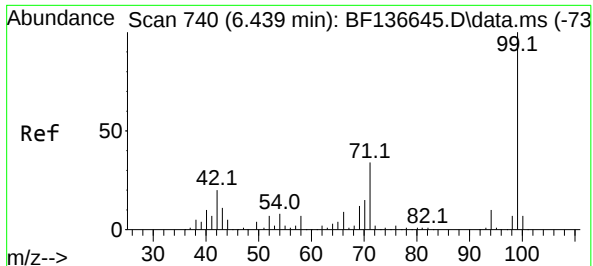


#5
2-Fluorophenol
Concen: 16.728 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09



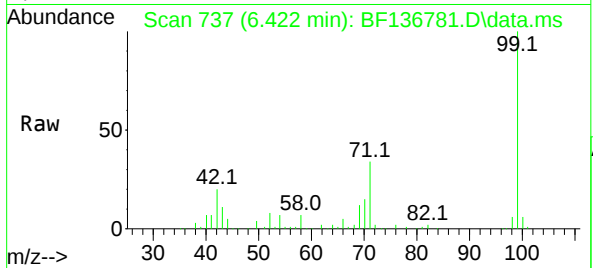
Tgt Ion:112 Resp: 75341
Ion Ratio Lower Upper
112 100
64 61.0 51.1 76.7
63 29.7 26.1 39.1





#7
Phenol-d6
Concen: 15.207 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

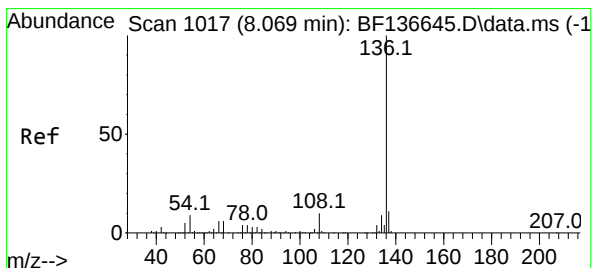
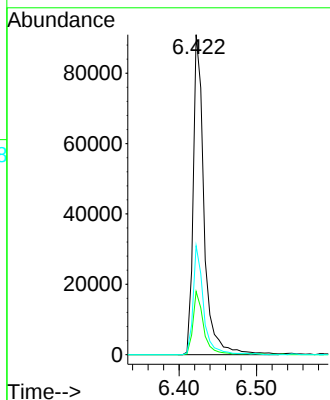
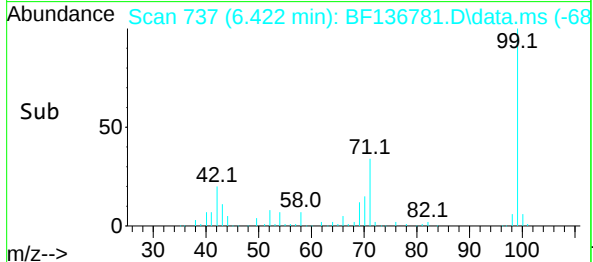
Instrument :
BNA_F
ClientSampleId :
SU-03-122223



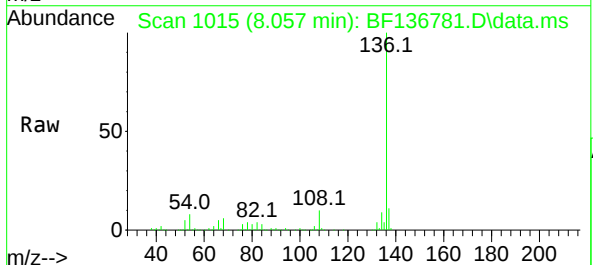
Tgt Ion: 99 Resp: 8874
Ion Ratio Lower Upper
99 100
42 19.8 16.1 24.1
71 34.1 27.4 41.2

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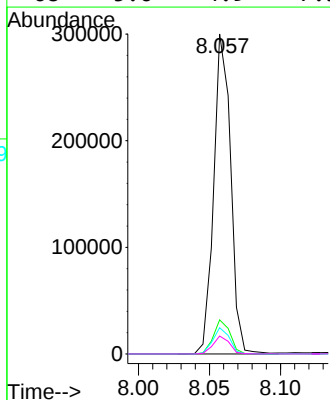
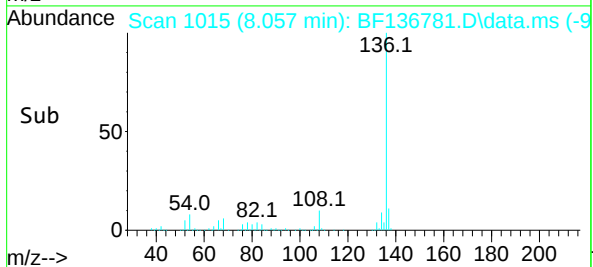
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09



Tgt Ion:136 Resp: 248662
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 8.2 7.2 10.8
68 5.6 4.9 7.3





#23
Nitrobenzene-d5
Concen: 11.281 ng
RT: 7.340 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

Instrument :

BNA_F

ClientSampleId :

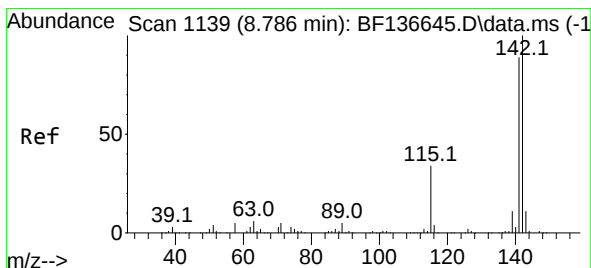
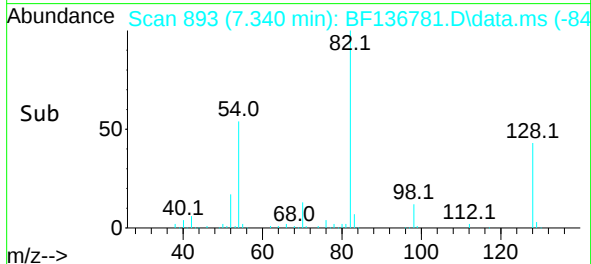
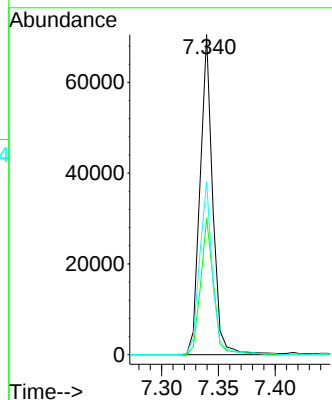
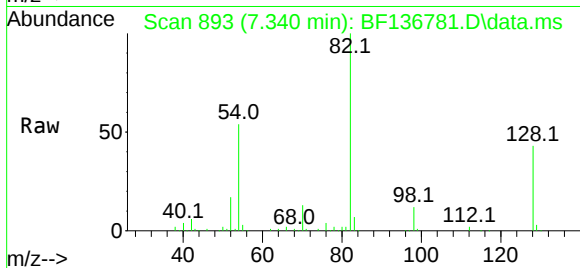
SU-03-122223

Tgt Ion: 82 Resp: 5481
Ion Ratio Lower Upper
82 100
128 42.7 35.3 52.9
54 53.9 44.5 66.7

Manual Integrations

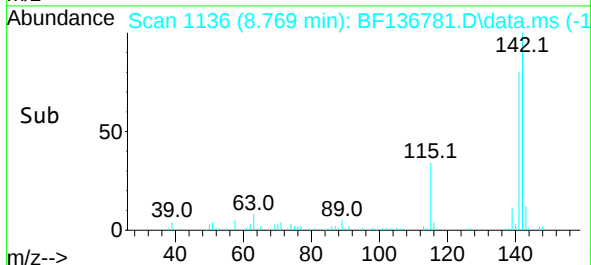
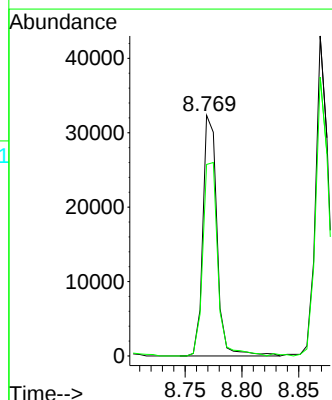
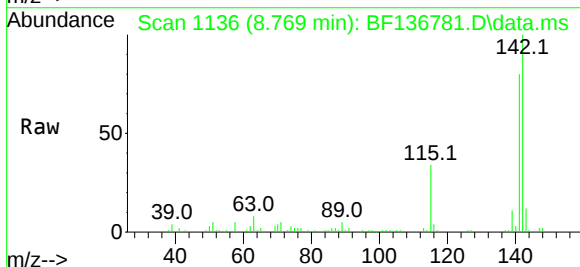
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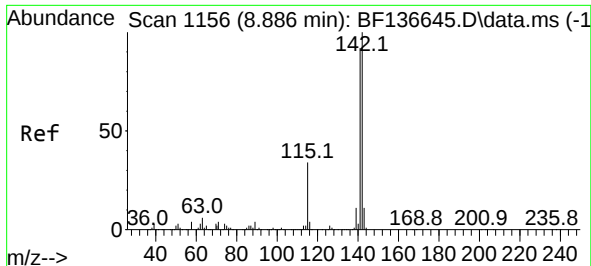
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#37
2-Methylnaphthalene
Concen: 3.185 ng
RT: 8.769 min Scan# 1136
Delta R.T. -0.017 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

Tgt Ion:142 Resp: 28000
Ion Ratio Lower Upper
142 100
141 79.6 71.1 106.7





#38
1-Methylnaphthalene
Concen: 3.895 ng
RT: 8.869 min Scan# 1156
Delta R.T. -0.017 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

Instrument :

BNA_F

ClientSampleId :

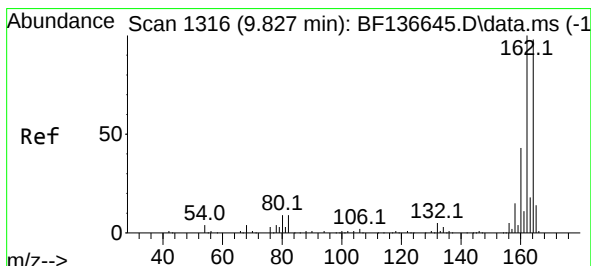
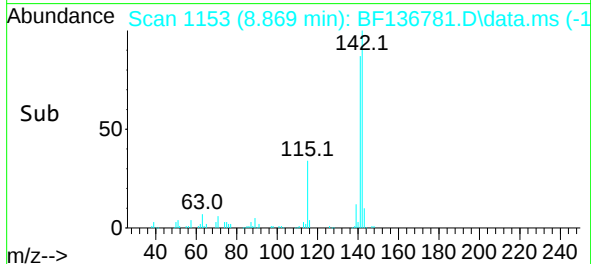
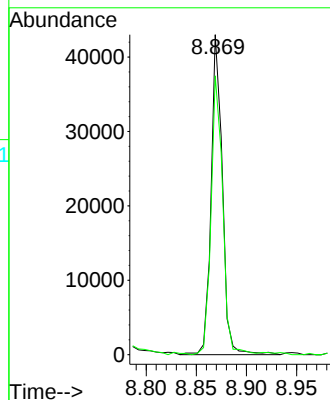
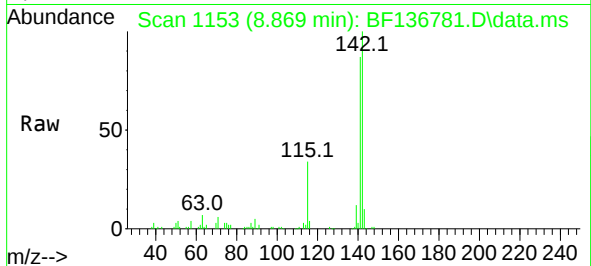
SU-03-122223

Tgt Ion:142 Resp: 3359
Ion Ratio Lower Upper
142 100
141 87.1 73.6 110.4

Manual Integrations

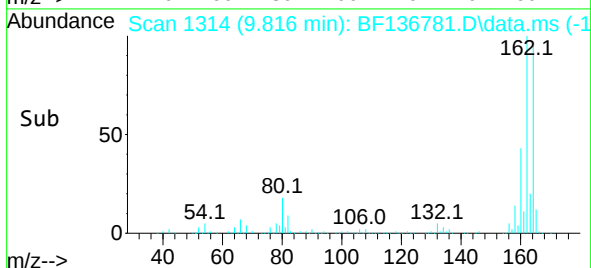
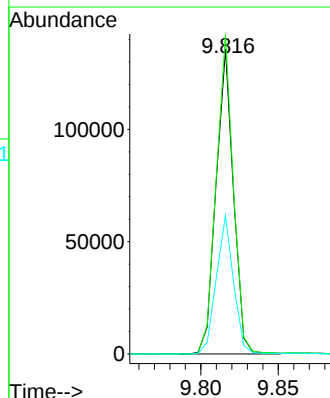
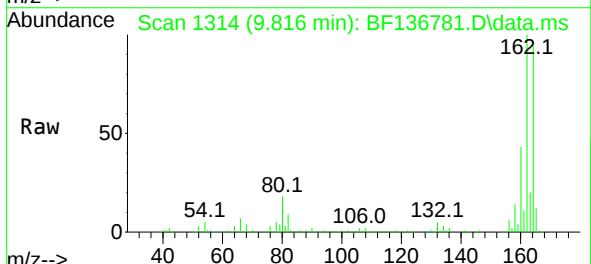
APPROVED

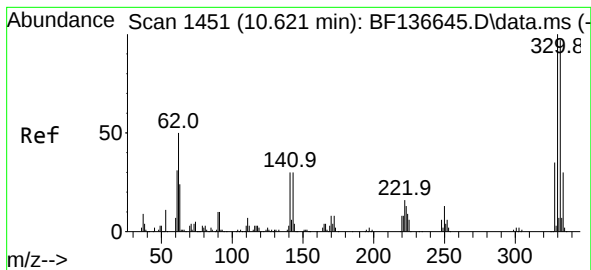
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

Tgt Ion:164 Resp: 105785
Ion Ratio Lower Upper
164 100
162 105.1 81.6 122.4
160 45.5 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 14.535 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

Instrument :

BNA_F

ClientSampleId :

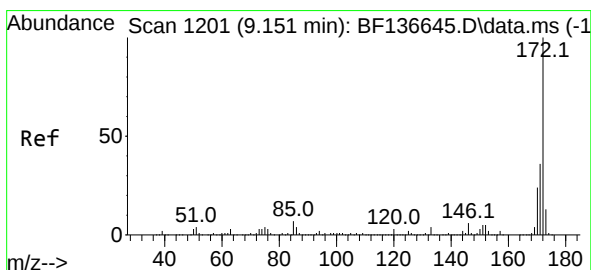
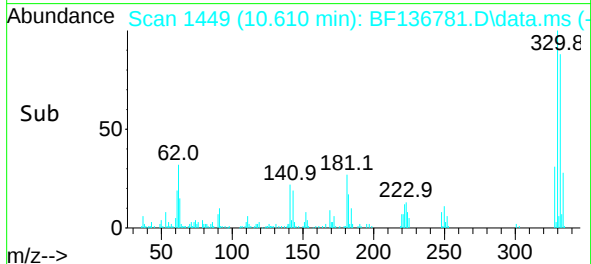
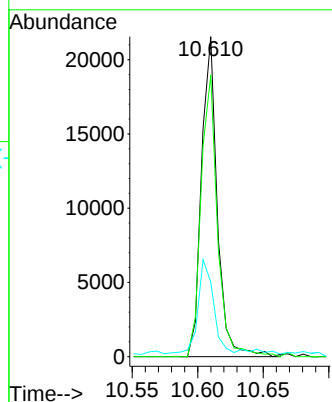
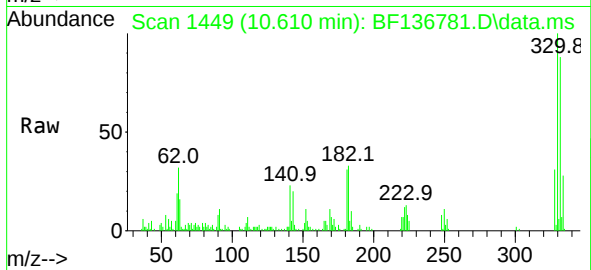
SU-03-122223

Tgt Ion: 330 Resp: 18109
Ion Ratio Lower Upper
330 100
332 91.6 77.4 116.0
141 28.5 23.4 35.2

Manual Integrations

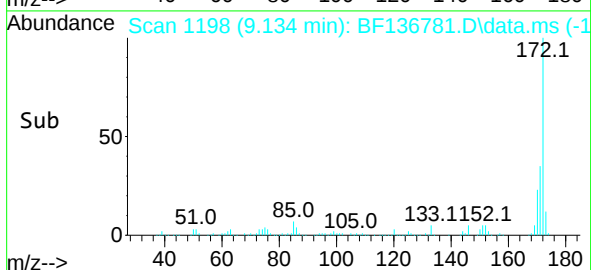
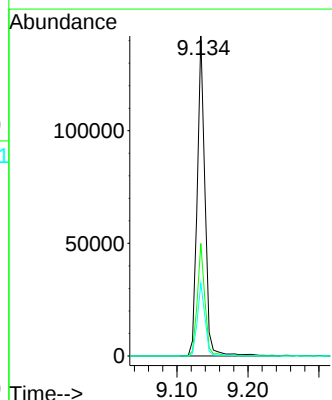
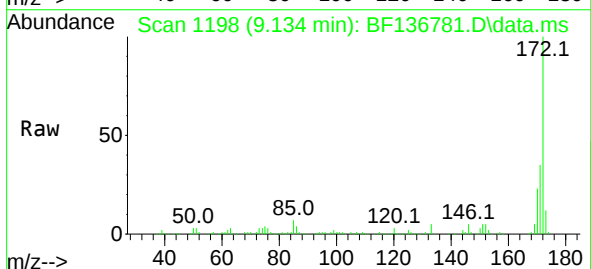
APPROVED

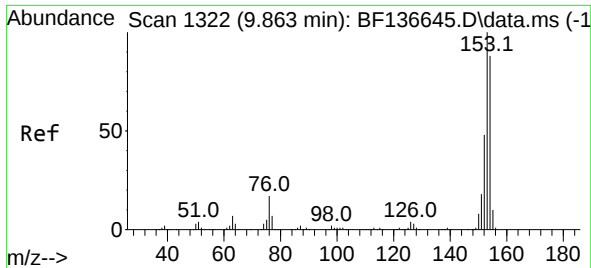
Reviewed By : Yogesh Patel 12/28/2023
Supervised By : Sohil Jodhani 12/28/2023



#45
2-Fluorobiphenyl
Concen: 13.808 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

Tgt Ion: 172 Resp: 108601
Ion Ratio Lower Upper
172 100
171 35.2 29.0 43.6
170 22.7 19.0 28.4





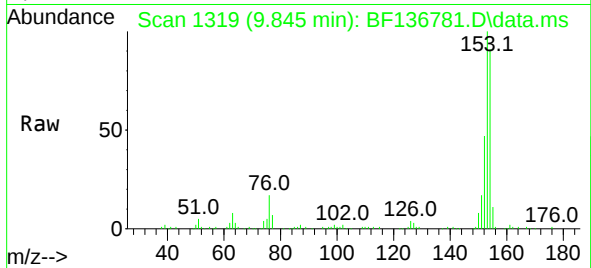
#52
Acenaphthene
Concen: 6.290 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

Instrument :

BNA_F

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SU-03-122223

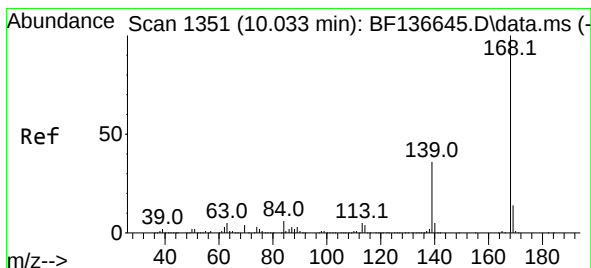
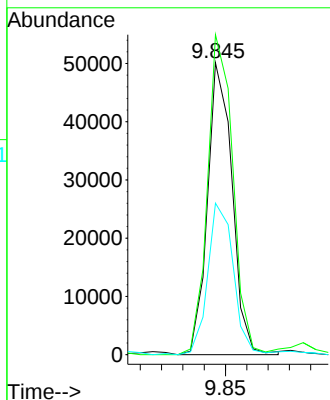
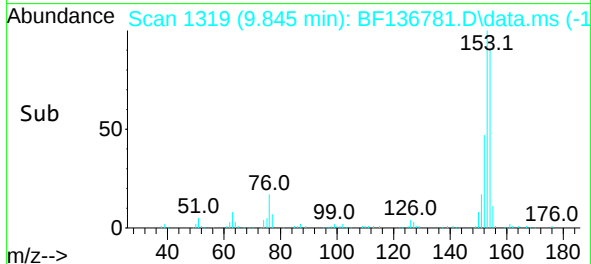


Tgt Ion:154 Resp: 40210
Ion Ratio Lower Upper
154 100
153 109.7 90.7 136.1
152 51.9 43.7 65.5

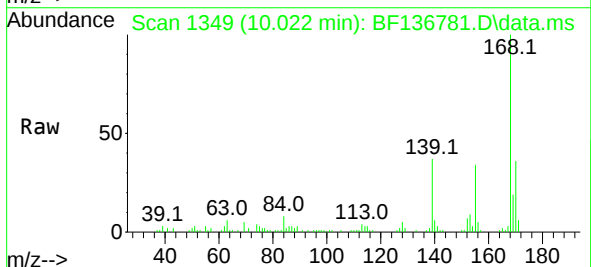
Manual Integrations

APPROVED

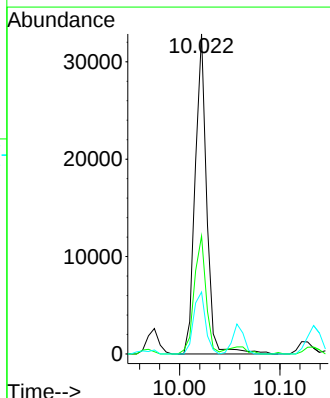
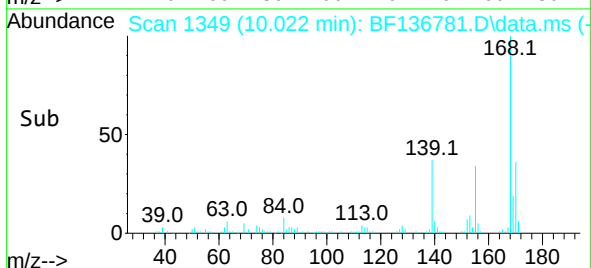
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023

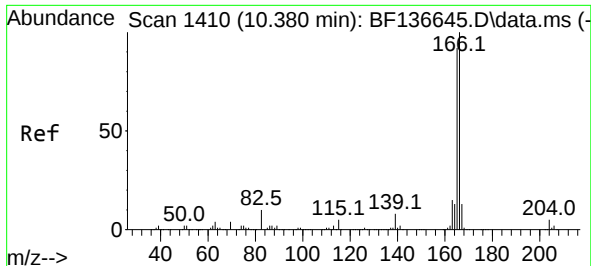


#55
Dibenzofuran
Concen: 2.710 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09



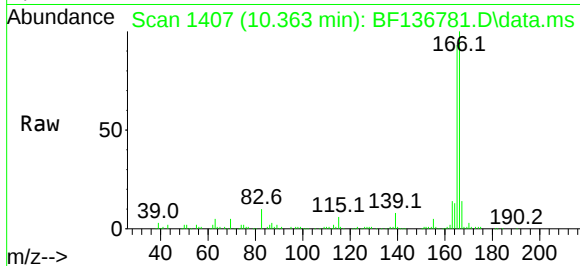
Tgt Ion:168 Resp: 26268
Ion Ratio Lower Upper
168 100
139 36.9 29.3 43.9
169 19.3 11.0 16.4#





#58
Fluorene
Concen: 6.831 ng m
RT: 10.363 min Scan# 1410
Delta R.T. -0.017 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

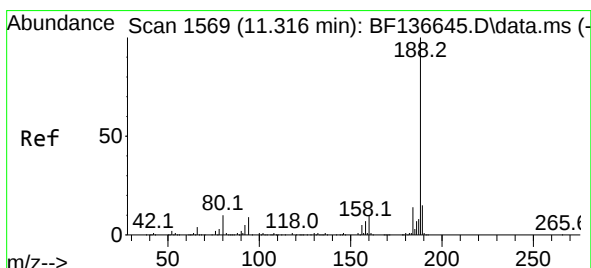
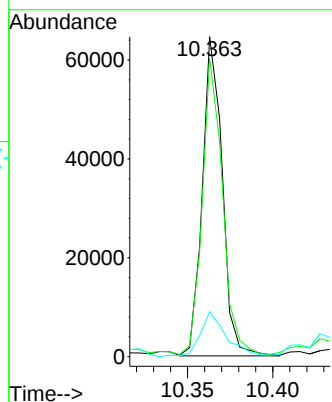
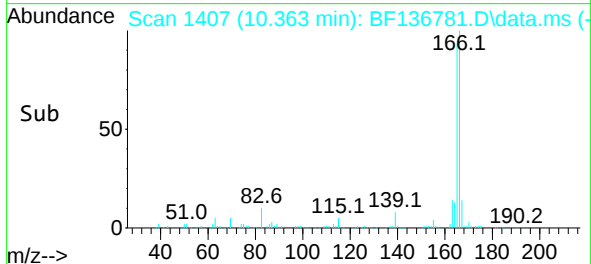
Instrument :
BNA_F
ClientSampleId :
SU-03-122223



Tgt Ion:166 Resp: 52534
Ion Ratio Lower Upper
166 100
165 93.3 73.7 110.5
167 14.0 10.4 15.6

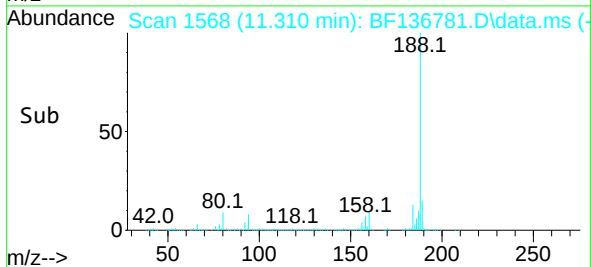
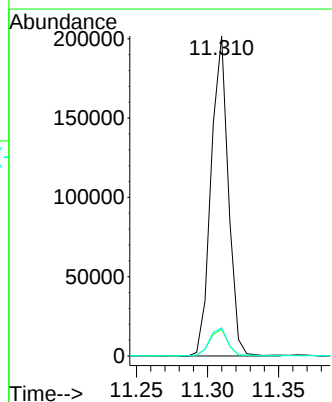
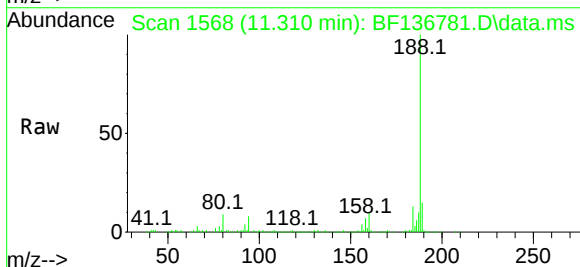
Manual Integrations
APPROVED

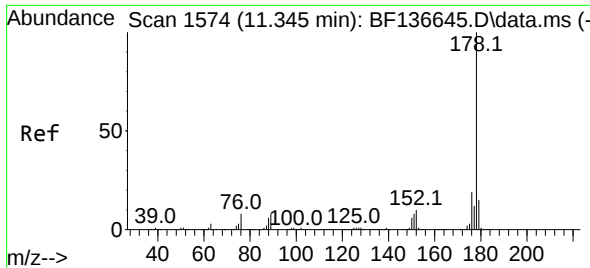
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

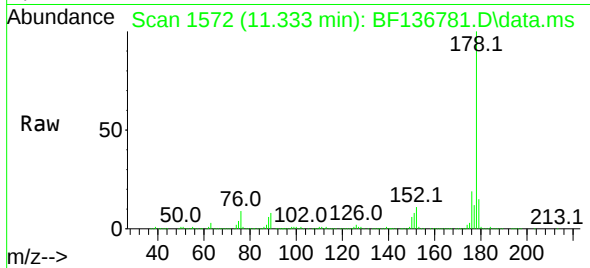
Tgt Ion:188 Resp: 170647
Ion Ratio Lower Upper
188 100
94 8.4 7.5 11.3
80 8.8 8.1 12.1





#71
Phenanthrene
Concen: 38.241 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

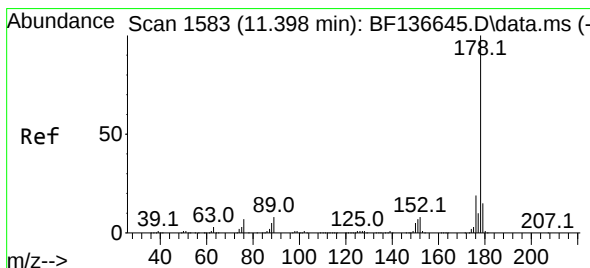
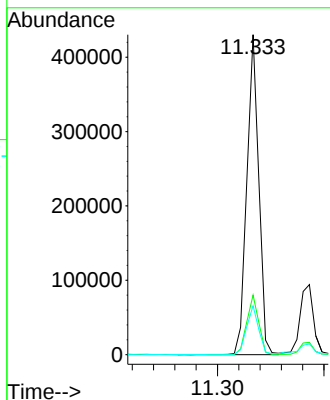
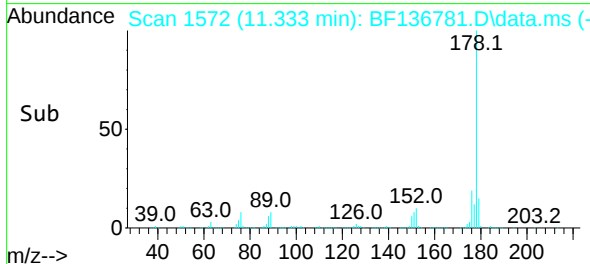
Instrument :
BNA_F
ClientSampleId :
SU-03-122223



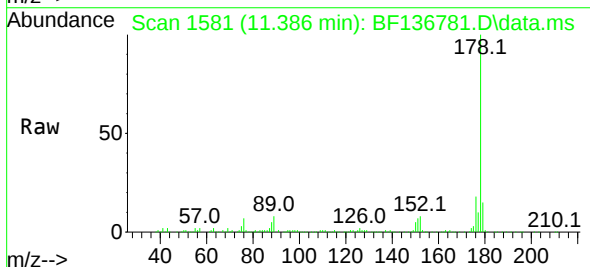
Tgt Ion:178 Resp: 33484
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.3 11.9 17.9

Manual Integrations
APPROVED

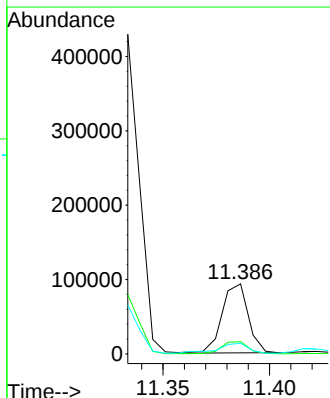
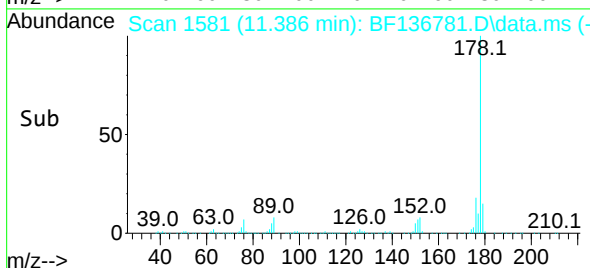
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023

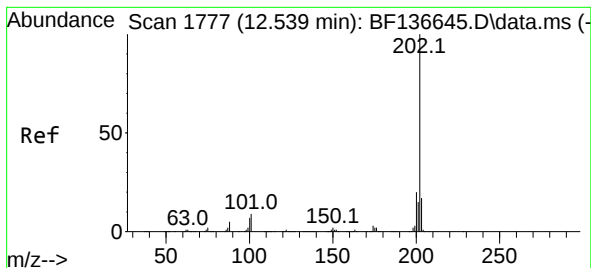


#72
Anthracene
Concen: 8.983 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09



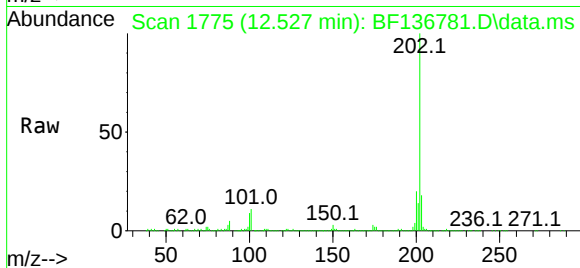
Tgt Ion:178 Resp: 79653
Ion Ratio Lower Upper
178 100
176 17.5 14.9 22.3
179 15.3 11.8 17.6





#75
Fluoranthene
Concen: 32.885 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

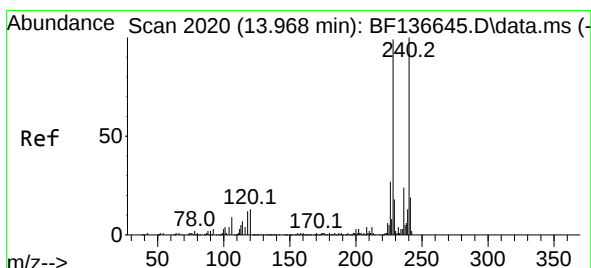
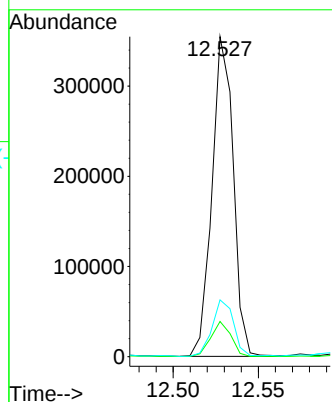
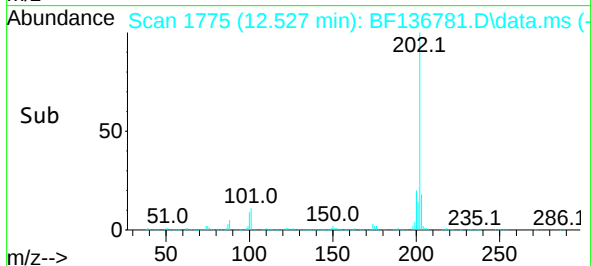
Instrument :
BNA_F
ClientSampleId :
SU-03-122223



Tgt Ion:202 Resp: 30799
Ion Ratio Lower Upper
202 100
101 11.0 0.0 29.3
203 17.8 0.0 37.1

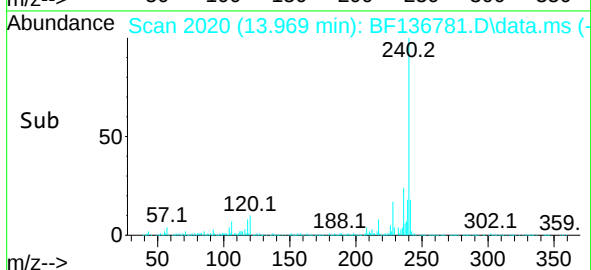
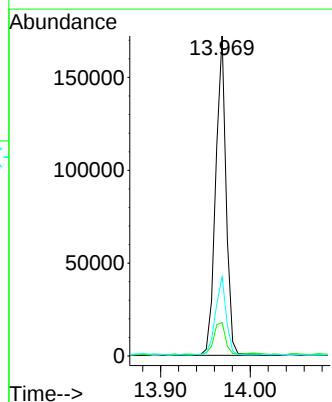
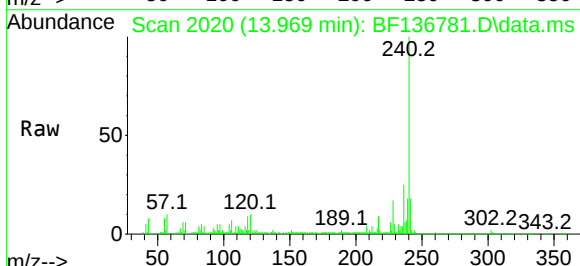
Manual Integrations
APPROVED

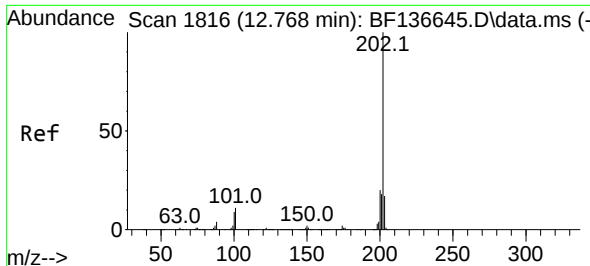
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

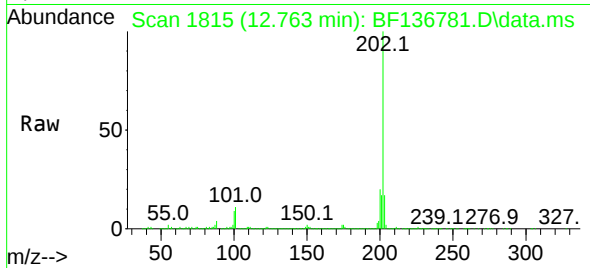
Tgt Ion:240 Resp: 138762
Ion Ratio Lower Upper
240 100
120 10.5 10.3 15.5
236 24.7 19.4 29.2





#78
Pyrene
Concen: 25.394 ng
RT: 12.763 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

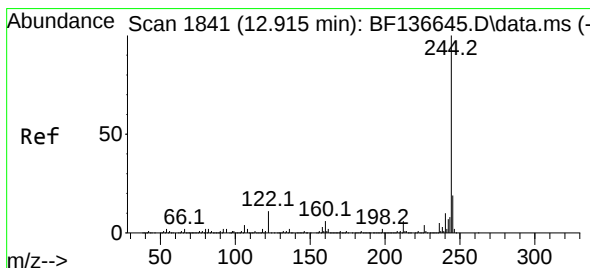
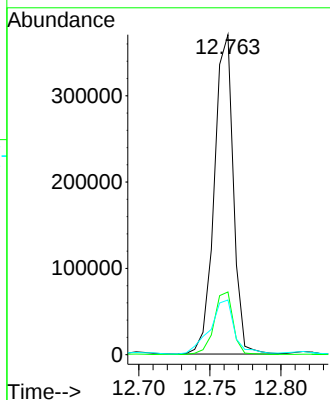
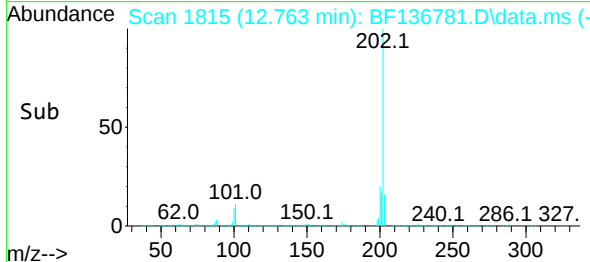
Instrument :
BNA_F
ClientSampleId :
SU-03-122223



Tgt Ion:202 Resp: 345909
Ion Ratio Lower Upper
202 100
200 19.6 15.9 23.9
203 17.1 13.8 20.6

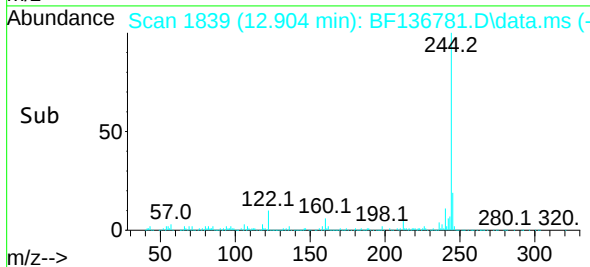
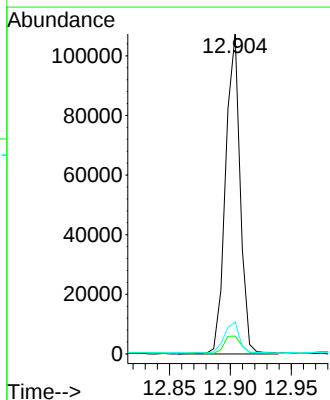
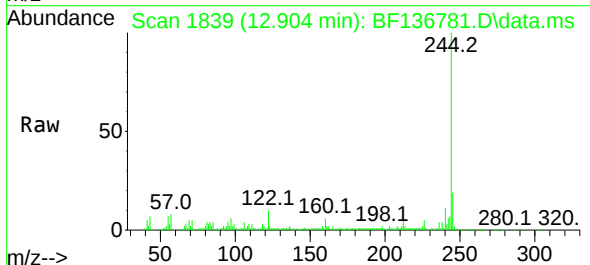
Manual Integrations
APPROVED

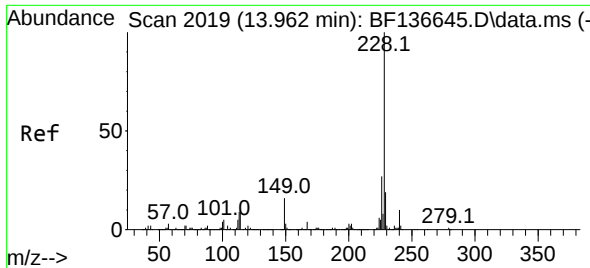
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#79
Terphenyl-d14
Concen: 9.026 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

Tgt Ion:244 Resp: 89621
Ion Ratio Lower Upper
244 100
212 5.6 5.0 7.4
122 10.0 9.0 13.4





#81
Benzo(a)anthracene
Concen: 17.591 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

Instrument :

BNA_F

ClientSampleId :

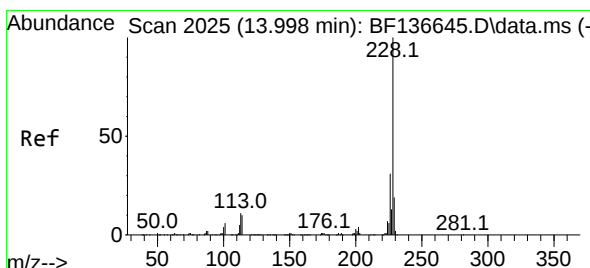
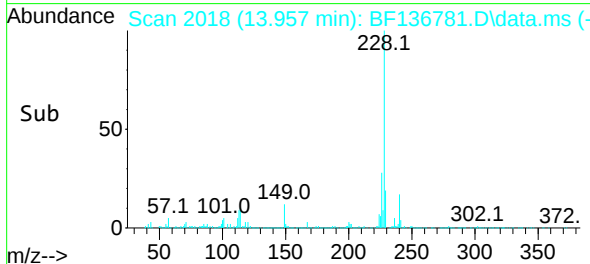
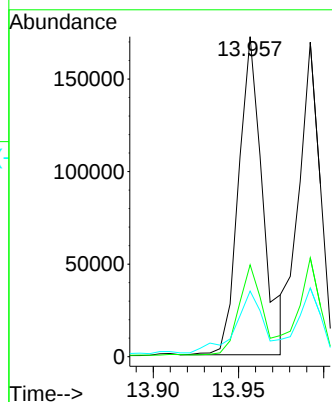
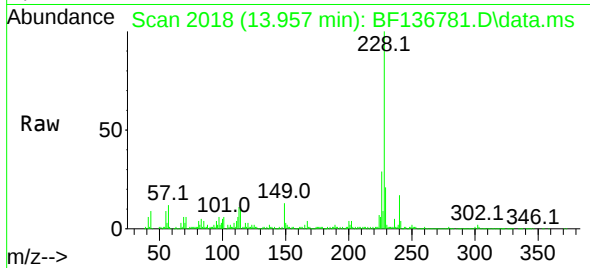
SU-03-122223

Tgt Ion:228 Resp: 16949
Ion Ratio Lower Upper
228 100
226 28.7 21.4 32.0
229 20.5 14.9 22.3

Manual Integrations

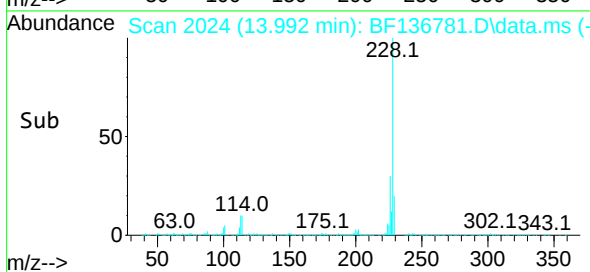
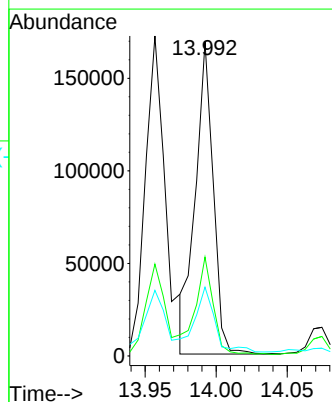
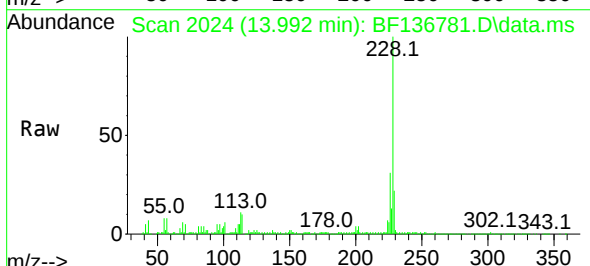
APPROVED

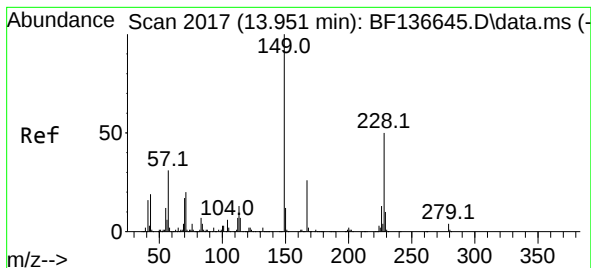
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#83
Chrysene
Concen: 15.654 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

Tgt Ion:228 Resp: 147496
Ion Ratio Lower Upper
228 100
226 31.4 24.7 37.1
229 21.9 15.4 23.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 9.715 ng
RT: 13.951 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

Instrument :

BNA_F

ClientSampleId :

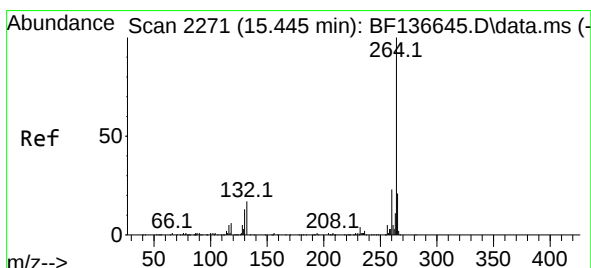
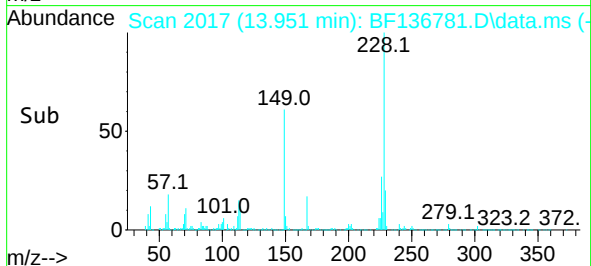
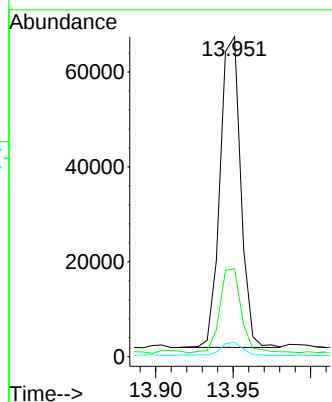
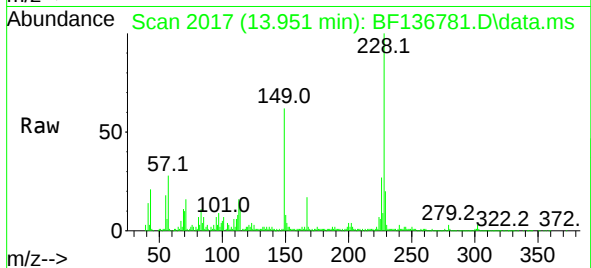
SU-03-122223

Tgt Ion:149 Resp: 60585
Ion Ratio Lower Upper
149 100
167 27.5 20.9 31.3
279 4.5 2.9 4.3

Manual Integrations

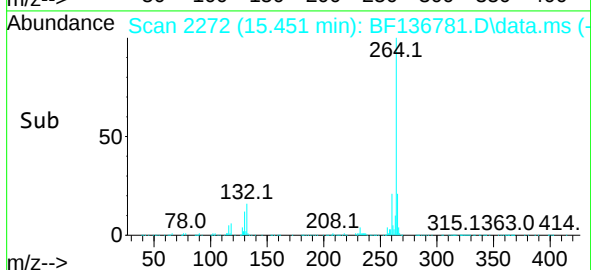
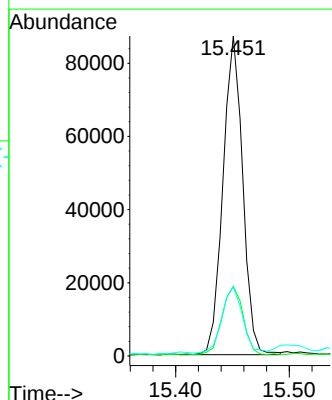
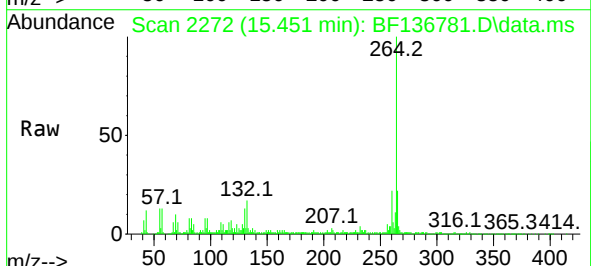
APPROVED

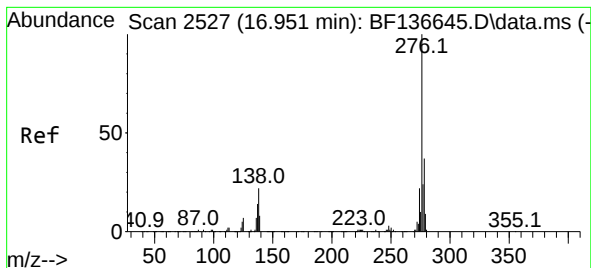
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF136781.D
Acq: 28 Dec 2023 03:09

Tgt Ion:264 Resp: 105120
Ion Ratio Lower Upper
264 100
260 21.8 18.3 27.5
265 21.5 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.834 ng

RT: 16.951 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136781.D

Acq: 28 Dec 2023 03:09

Instrument :

BNA_F

ClientSampleId :

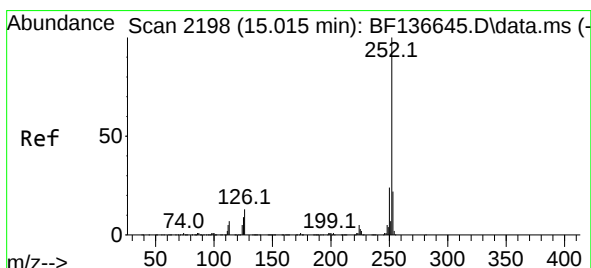
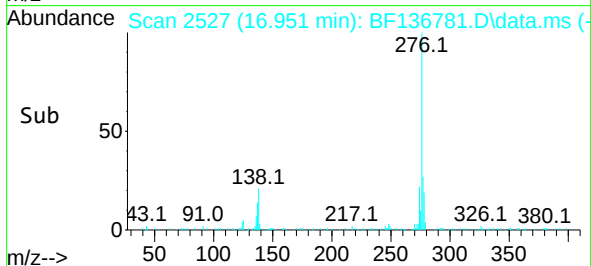
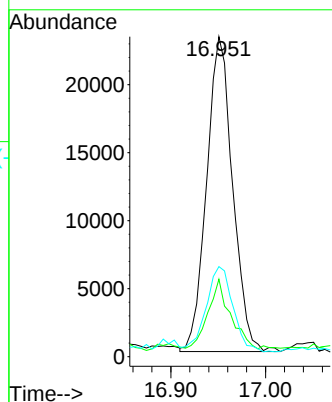
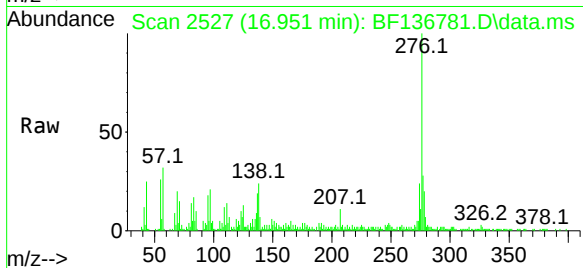
SU-03-122223

Tgt Ion:	276	Resp:	4428
Ion Ratio	Lower	Upper	
276	100		
138	19.0	18.7	28.1
277	27.9	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: 18.243 ng m

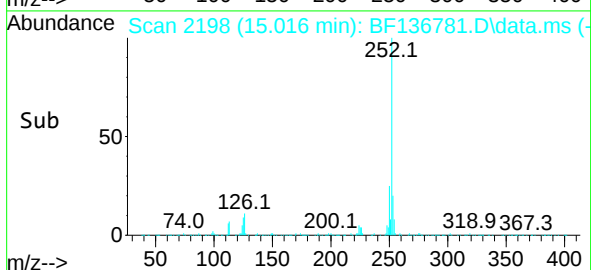
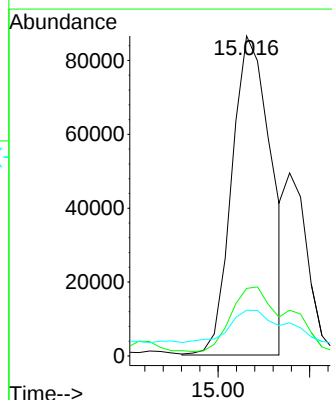
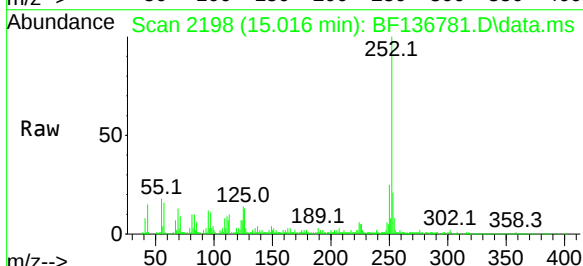
RT: 15.016 min Scan# 2198

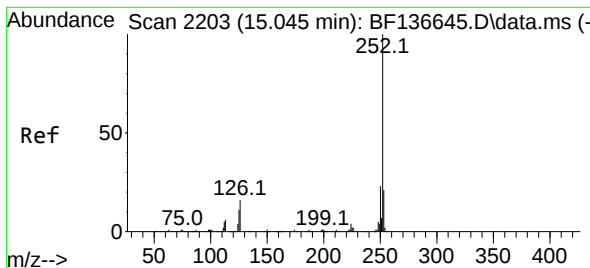
Delta R.T. 0.000 min

Lab File: BF136781.D

Acq: 28 Dec 2023 03:09

Tgt Ion:	252	Resp:	128086
Ion Ratio	Lower	Upper	
252	100		
253	21.1	17.4	26.0
125	14.3	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 6.127 ng m

RT: 15.039 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF136781.D

Acq: 28 Dec 2023 03:09

Instrument :

BNA_F

ClientSampleId :

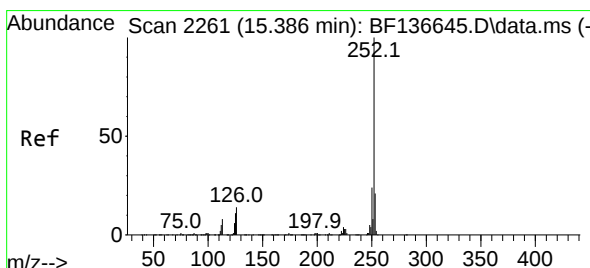
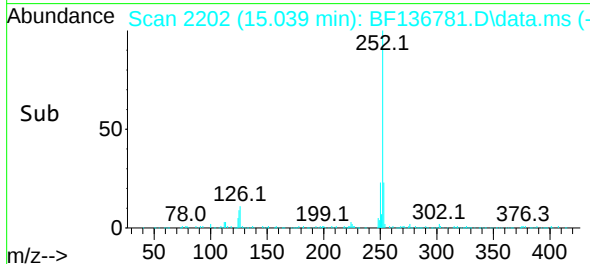
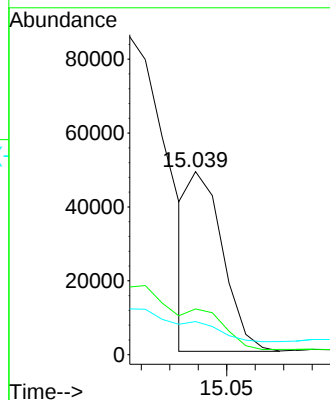
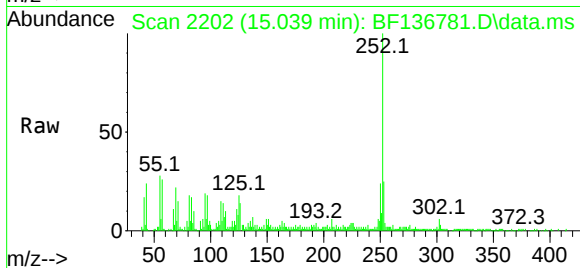
SU-03-122223

Tgt Ion:	252	Resp:	4064
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.0	25.6
125	18.1	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: 15.082 ng

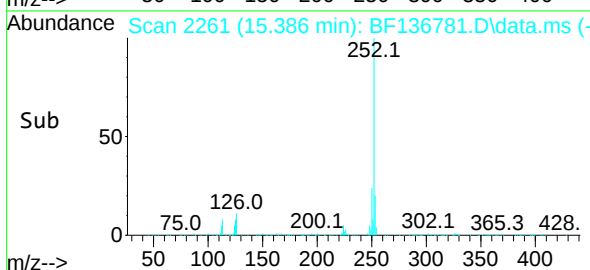
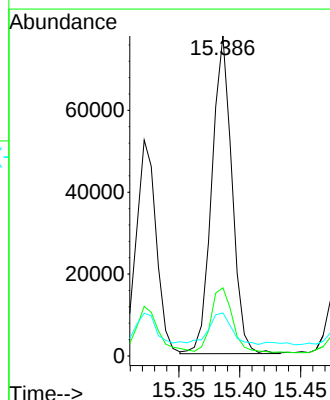
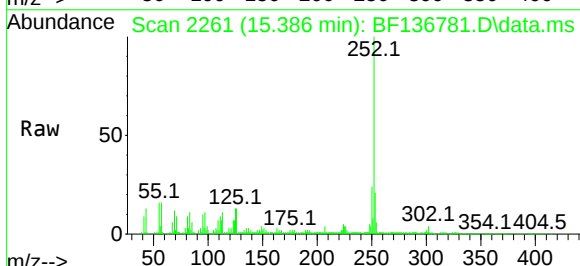
RT: 15.386 min Scan# 2261

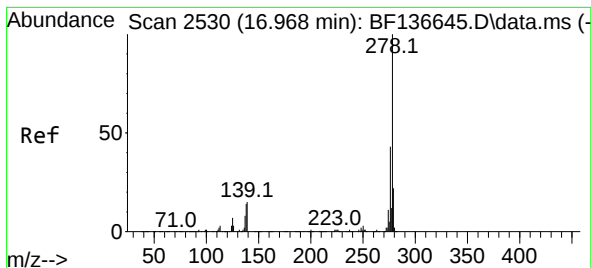
Delta R.T. 0.000 min

Lab File: BF136781.D

Acq: 28 Dec 2023 03:09

Tgt Ion:	252	Resp:	89386
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.0	25.6
125	13.4	8.8	13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.071 ng

RT: 16.962 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136781.D

Acq: 28 Dec 2023 03:09

Instrument :

BNA_F

ClientSampleId :

SU-03-122223

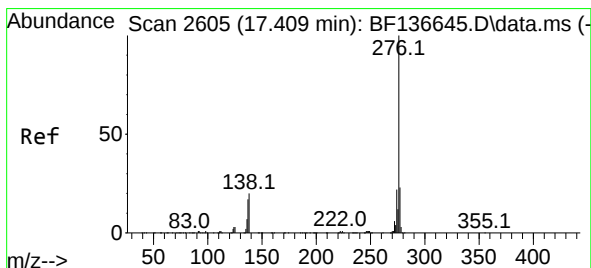
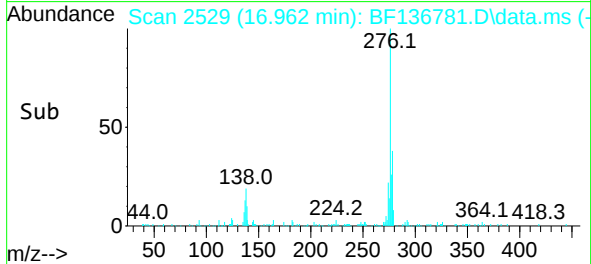
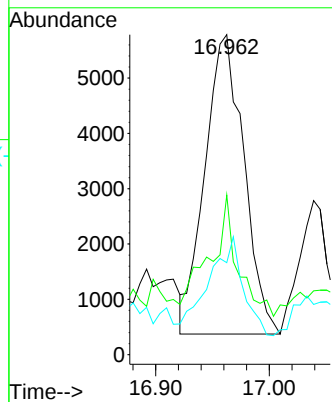
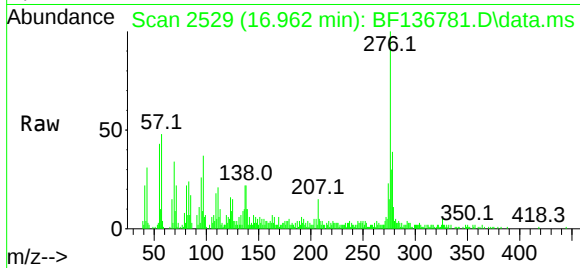
Tgt Ion:	278	Resp:	12894
Ion Ratio	Lower	Upper	
278	100		
139	49.9	12.2	18.4
279	28.8	17.8	26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :Sohil Jodhani 12/28/2023



#92

Benzo(g,h,i)perylene

Concen: 6.660 ng

RT: 17.410 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF136781.D

Acq: 28 Dec 2023 03:09

Tgt Ion:	276	Resp:	42471
Ion Ratio	Lower	Upper	
276	100		
277	27.2	18.3	27.5
138	21.8	15.6	23.4

