

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
 Data File : BF134040.D
 Acq On : 29 Jun 2023 16:55
 Operator : CG\JU
 Sample : 03355-12DL 4X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMPDL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023

Quant Time: Jun 30 05:59:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	110236	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	400211	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	166582	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	272185	20.000	ng	0.00
76) Chrysene-d12	14.039	240	205372	20.000	ng	0.00
86) Perylene-d12	15.545	264	173297	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	127863	19.402	ng	0.00
7) Phenol-d6	6.475	99	159433	19.672	ng	-0.02
23) Nitrobenzene-d5	7.404	82	104153	14.029	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	23840	11.414	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	208788	18.223	ng	-0.01
79) Terphenyl-d14	12.974	244	187557	14.698	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.404	178	325653	23.766	ng	99
72) Anthracene	11.451	178	69205	4.856	ng	99
75) Fluoranthene	12.604	202	659804	44.541	ng	98
78) Pyrene	12.833	202	664444	34.765	ng	99
81) Benzo(a)anthracene	14.027	228	322295	22.628	ng	98
83) Chrysene	14.068	228	281868	20.432	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	101951	8.478	ng	96
88) Benzo(b)fluoranthene	15.098	252	252242m	24.754	ng	
89) Benzo(k)fluoranthene	15.127	252	108649m	10.472	ng	
90) Benzo(a)pyrene	15.480	252	190905	19.374	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	26966	2.745	ng	# 81
92) Benzo(g,h,i)perylene	17.557	276	95045	9.384	ng	96

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

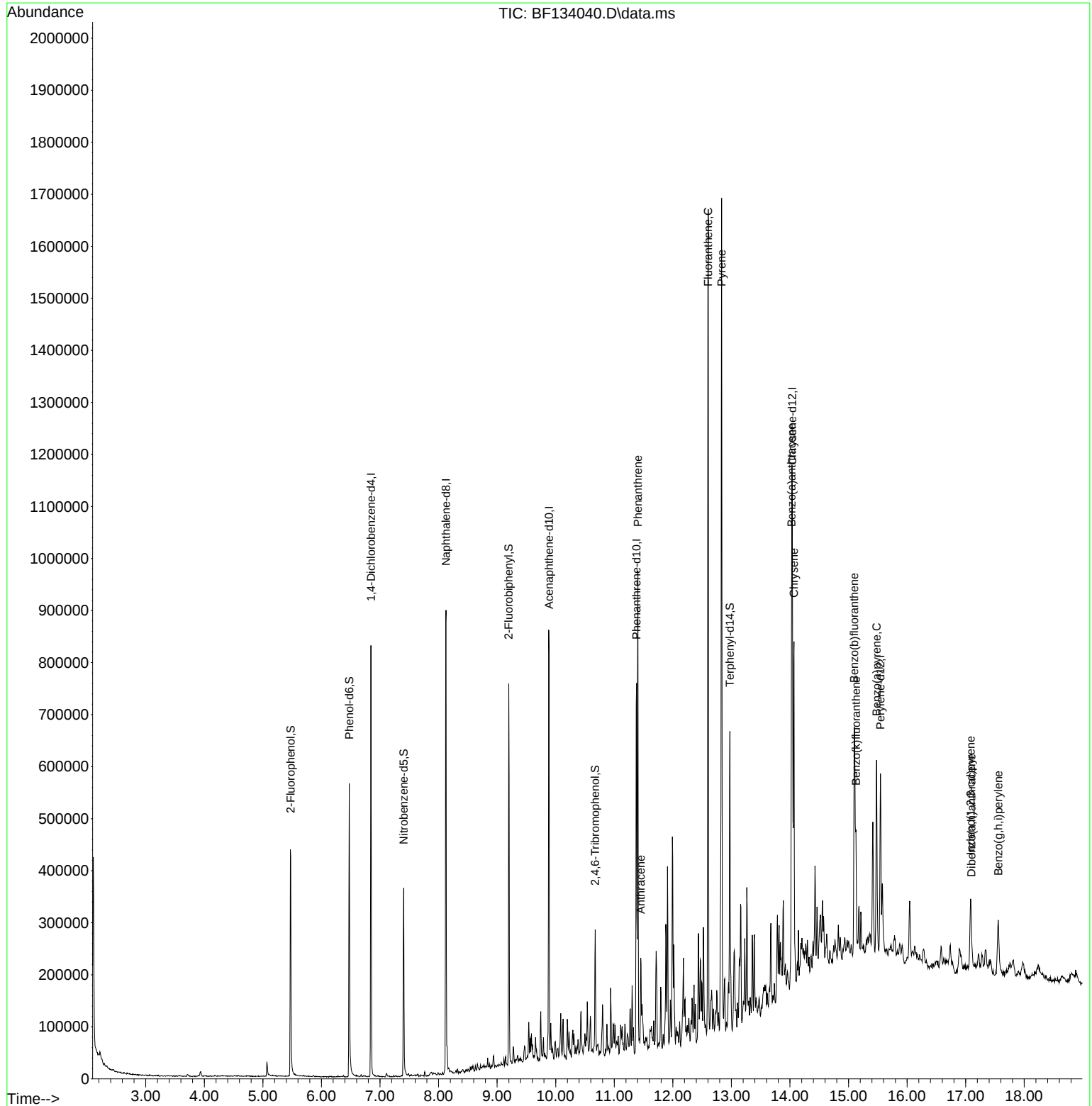
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
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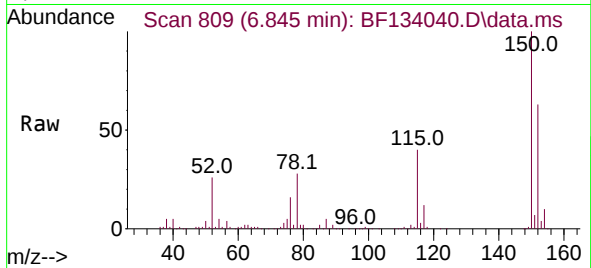
Quant Time: Jun 30 05:59:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 23:12:04 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

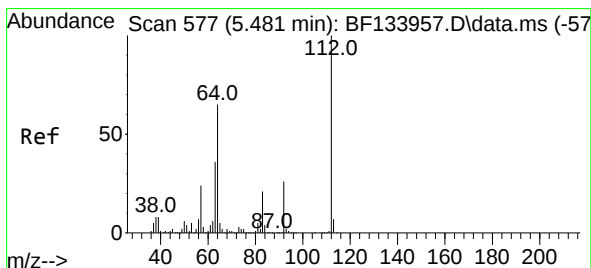
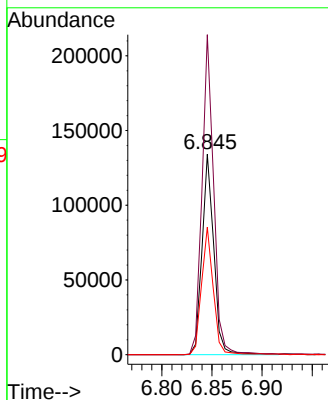
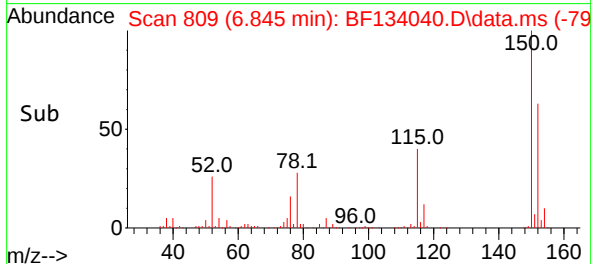
Instrument :
BNA_F
ClientSampleId :
SB-06-COMPDL



Tgt Ion:152 Resp: 110230
Ion Ratio Lower Upper
152 100
150 159.6 124.5 186.7
115 63.6 50.2 75.2

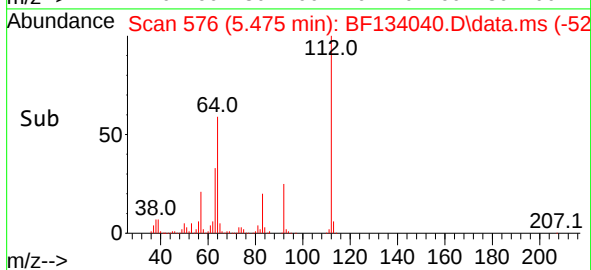
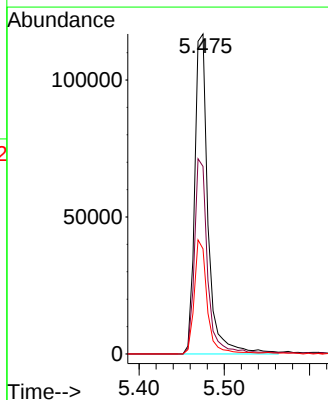
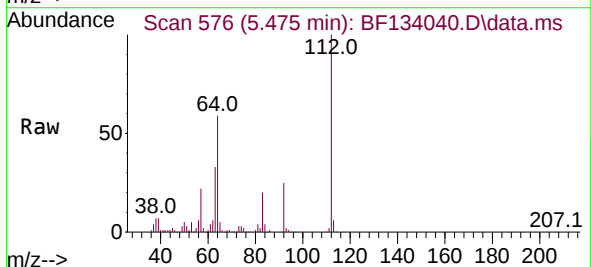
Manual Integrations
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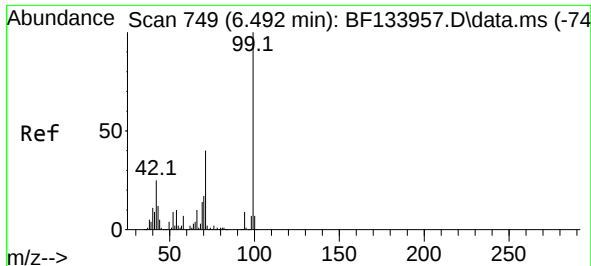
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#5
2-Fluorophenol
Concen: 19.402 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

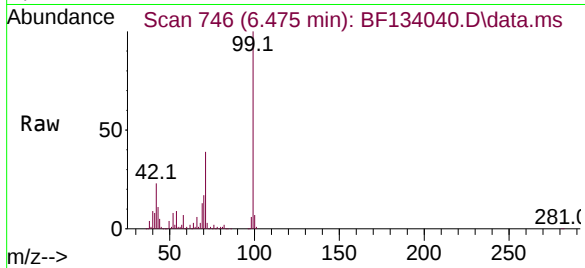
Tgt Ion:112 Resp: 127863
Ion Ratio Lower Upper
112 100
64 58.6 52.1 78.1
63 32.8 28.6 42.8





#7
Phenol-d6
Concen: 19.672 ng
RT: 6.475 min Scan# 749
Delta R.T. -0.017 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

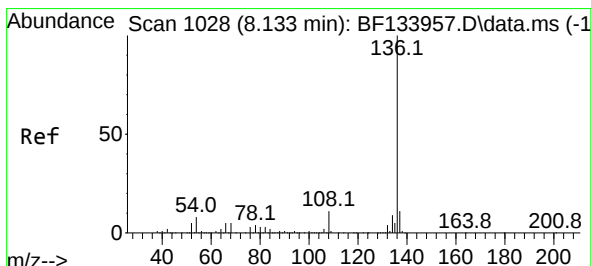
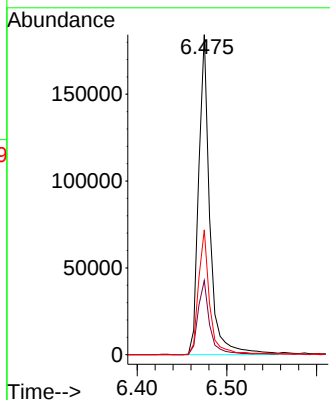
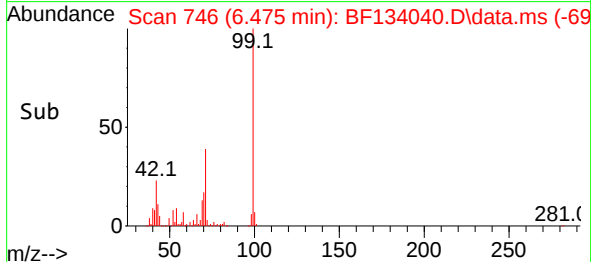
Instrument :
BNA_F
ClientSampleId :
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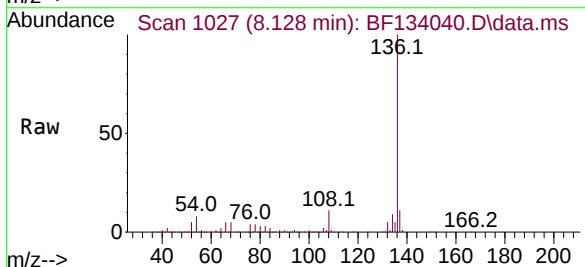
Tgt Ion: 99 Resp: 15943
Ion Ratio Lower Upper
99 100
42 23.2 19.8 29.6
71 39.0 31.9 47.9

Manual Integrations
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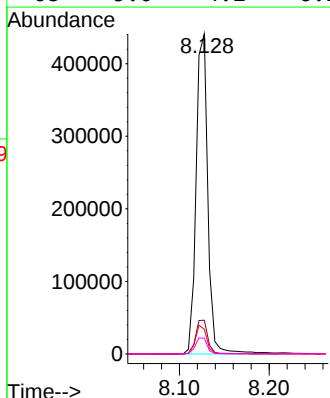
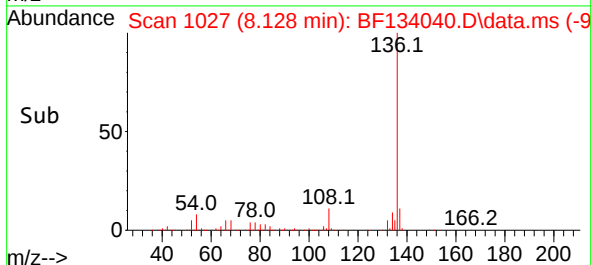
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55



Tgt Ion:136 Resp: 400211
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.7 6.5 9.7
68 5.0 4.2 6.2





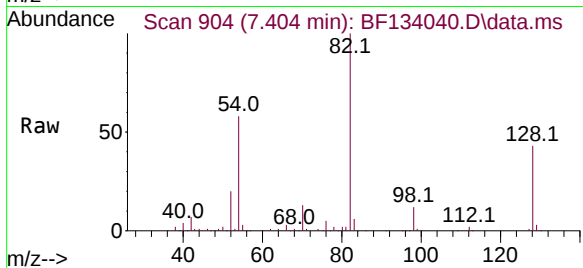
#23
Nitrobenzene-d5
Concen: 14.029 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

Instrument :

BNA_F

ClientSampleId :

SB-06-COMPDL

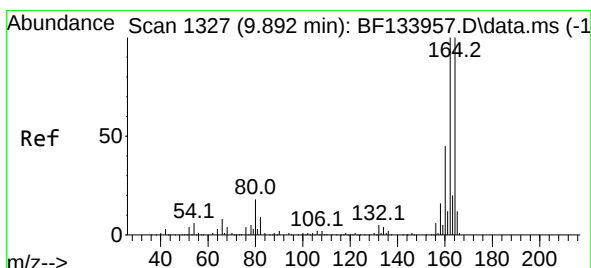
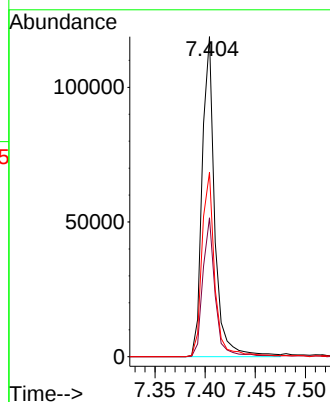
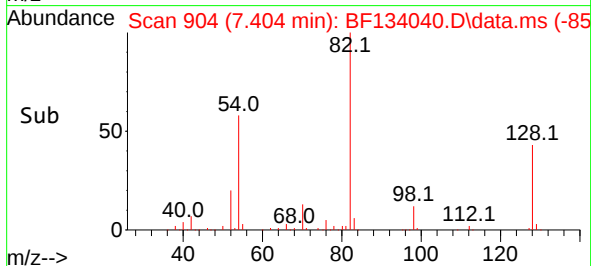


Tgt Ion: 82 Resp: 10415
Ion Ratio Lower Upper
82 100
128 43.4 32.5 48.7
54 57.6 48.2 72.2

Manual Integrations

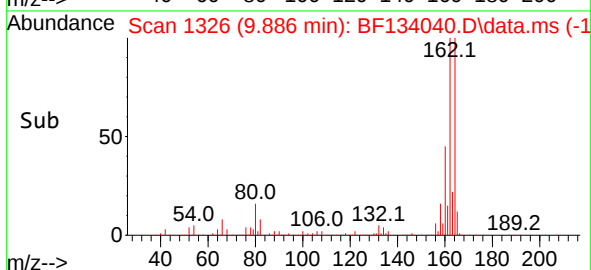
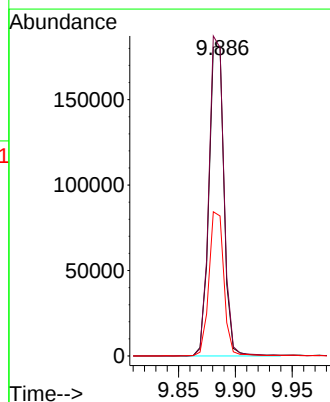
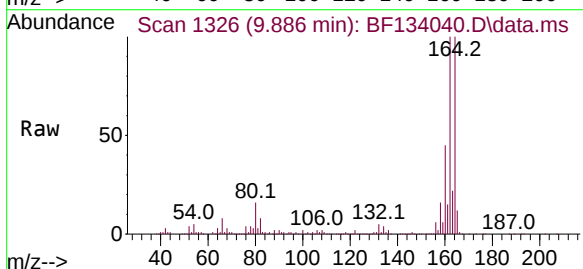
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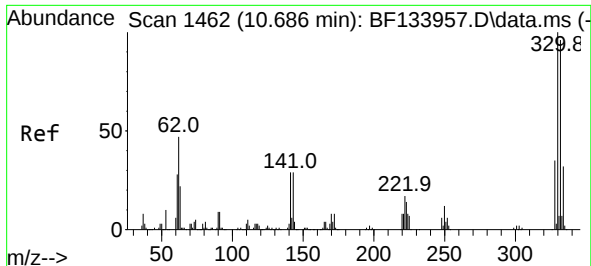
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

Tgt Ion:164 Resp: 166582
Ion Ratio Lower Upper
164 100
162 99.5 80.0 120.0
160 45.2 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 11.414 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

Instrument :

BNA_F

ClientSampleId :

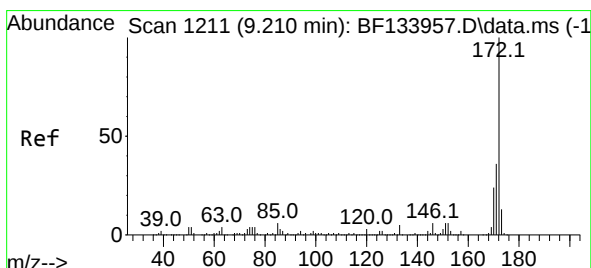
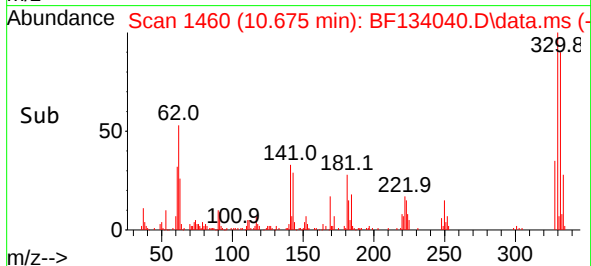
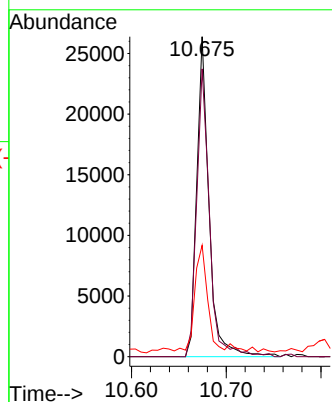
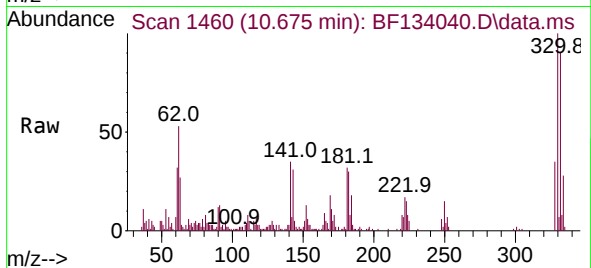
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Tgt Ion: 330 Resp: 23840
Ion Ratio Lower Upper
330 100
332 94.1 77.0 115.6
141 33.6 26.3 39.5

Manual Integrations

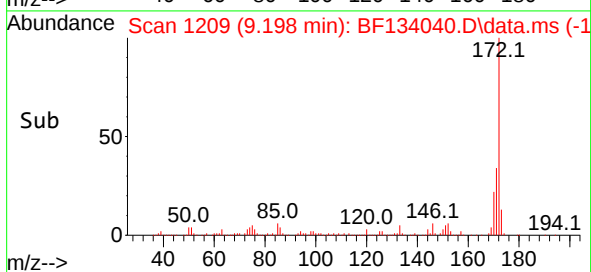
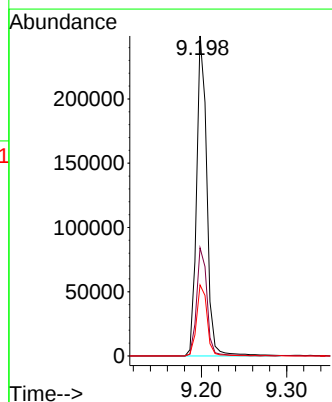
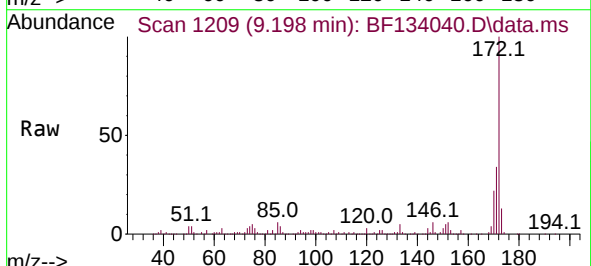
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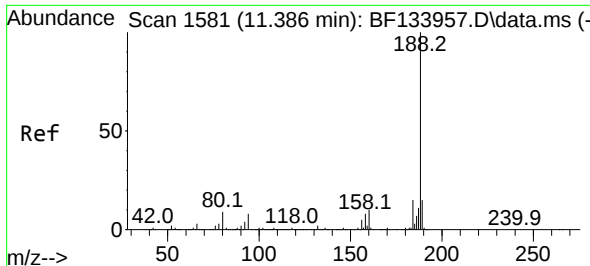
Reviewed By : Yogesh Patel 06/30/2023
Supervised By : mohammad ahmed 06/30/2023



#45
2-Fluorobiphenyl
Concen: 18.223 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

Tgt Ion: 172 Resp: 208788
Ion Ratio Lower Upper
172 100
171 33.8 28.6 43.0
170 22.2 19.4 29.0





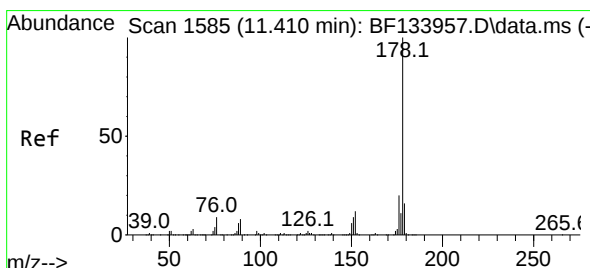
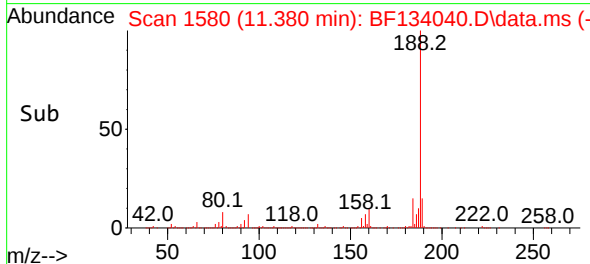
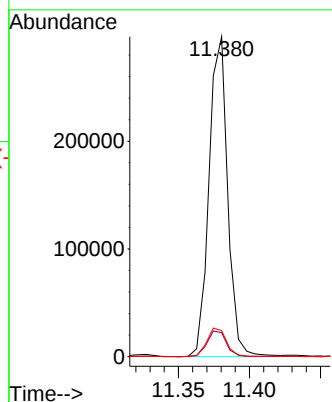
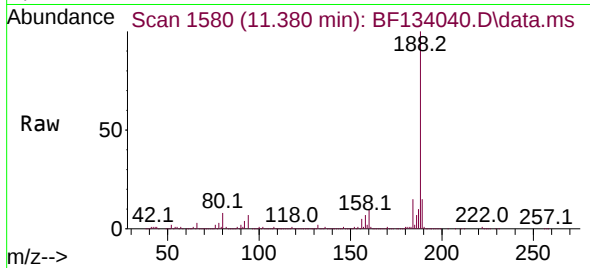
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

Instrument :
BNA_F
ClientSampleId :
SB-06-COMPDL

Tgt Ion:188 Resp: 27218
Ion Ratio Lower Upper
188 100
94 7.5 6.4 9.6
80 8.2 7.3 10.9

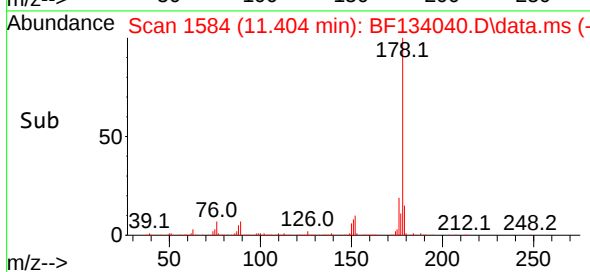
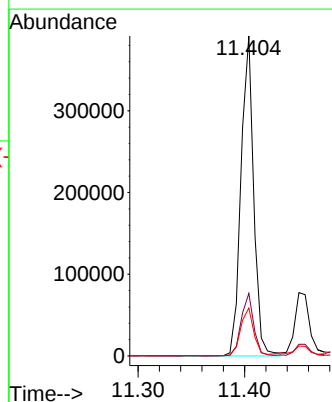
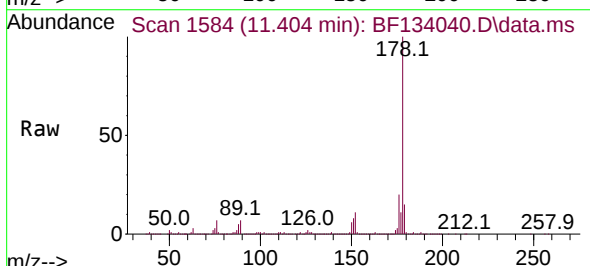
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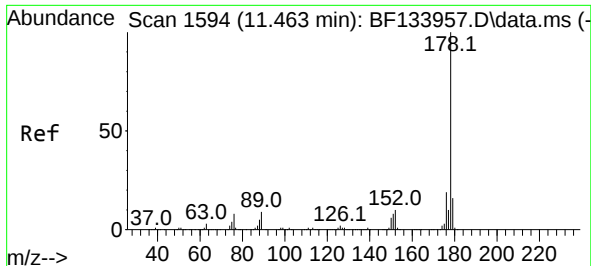
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#71
Phenanthrene
Concen: 23.766 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

Tgt Ion:178 Resp: 325653
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.0 12.4 18.6





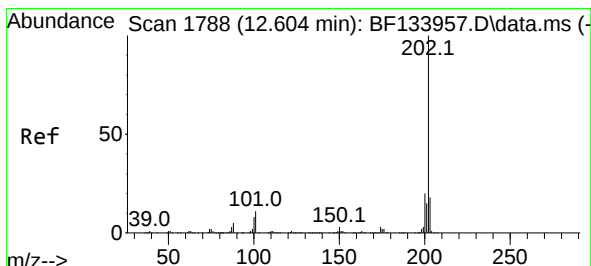
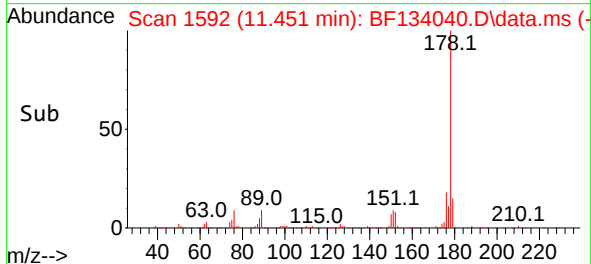
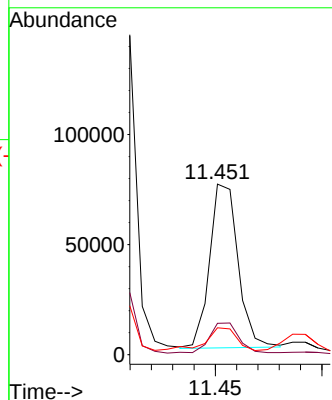
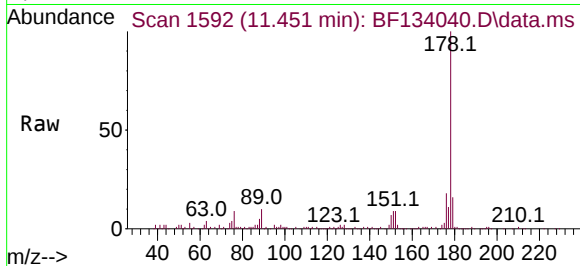
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 Anthracene
 Concen: 4.856 ng
 RT: 11.451 min Scan# 1594
 Delta R.T. -0.012 min
 Lab File: BF134040.D
 Acq: 29 Jun 2023 16:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMPDL

Tgt Ion:178 Resp: 69200
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.3 22.9
 179 15.7 12.4 18.6

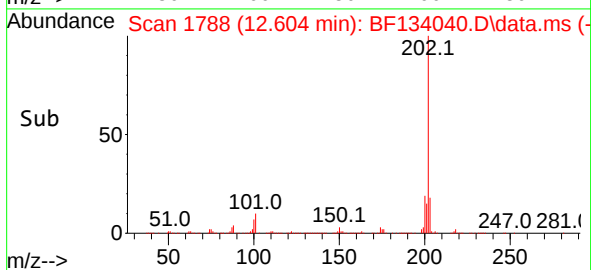
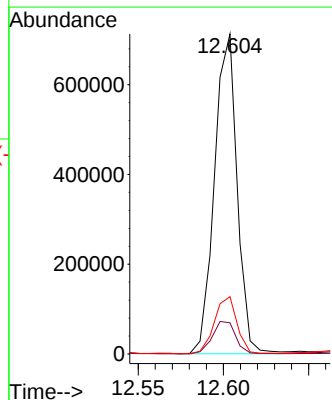
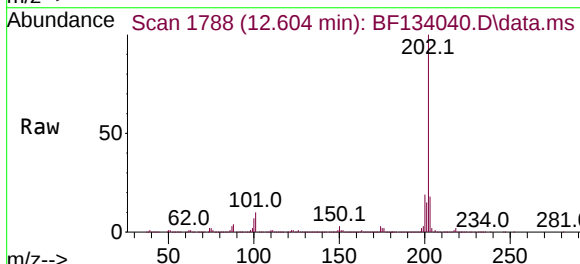
Manual Integrations
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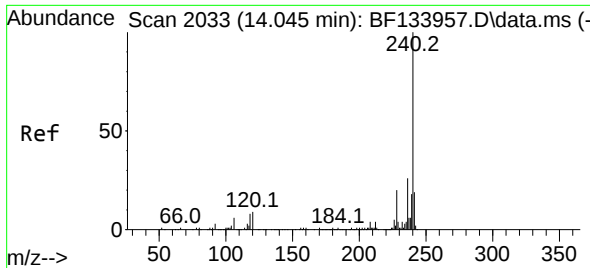
Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023



#75
 Fluoranthene
 Concen: 44.541 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. 0.000 min
 Lab File: BF134040.D
 Acq: 29 Jun 2023 16:55

Tgt Ion:202 Resp: 659804
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 31.0
 203 17.9 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

Instrument :

BNA_F

ClientSampleId :

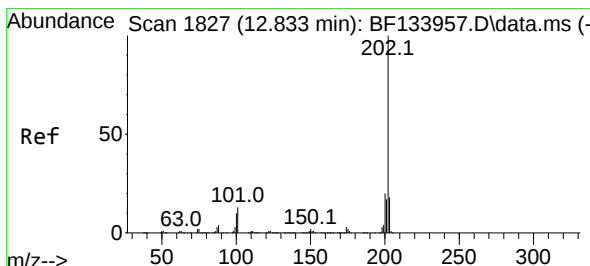
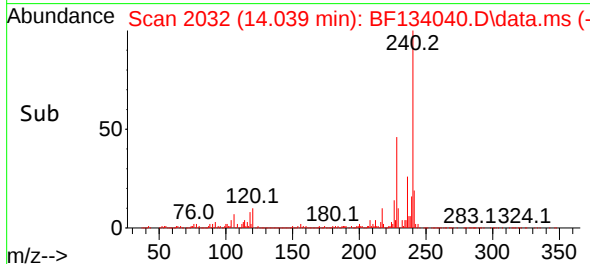
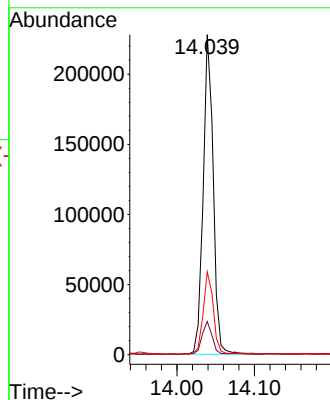
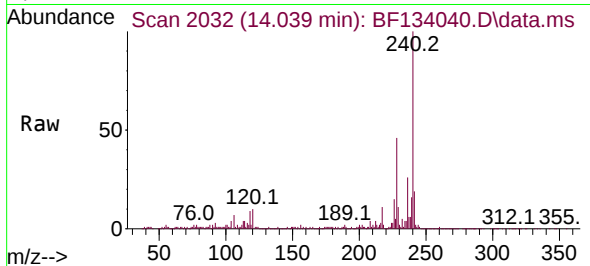
SB-06-COMPDL

Tgt Ion:240 Resp: 205372
Ion Ratio Lower Upper
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120 10.4 7.4 11.0
236 25.9 21.0 31.6

Manual Integrations

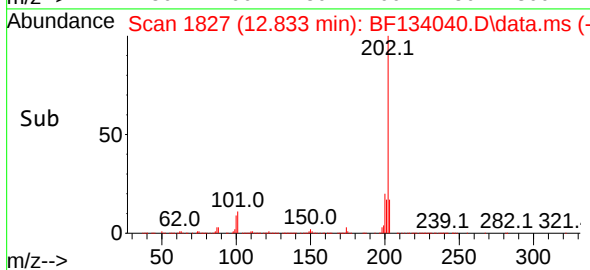
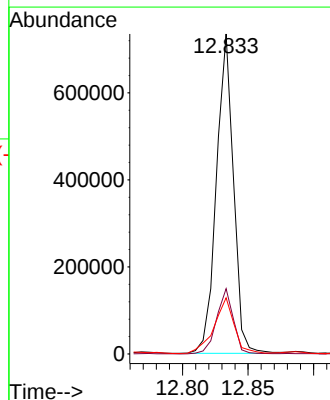
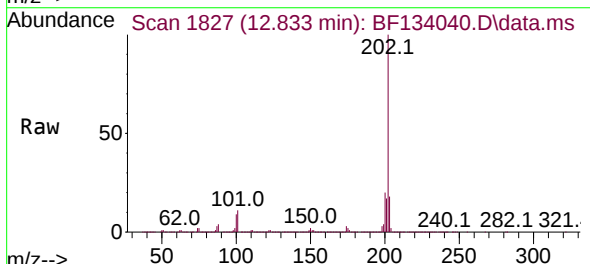
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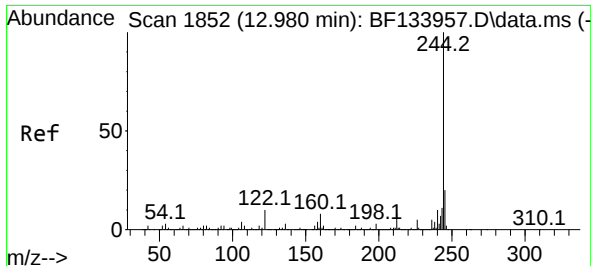
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#78
Pyrene
Concen: 34.765 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

Tgt Ion:202 Resp: 664444
Ion Ratio Lower Upper
202 100
200 20.4 16.1 24.1
203 17.6 14.3 21.5





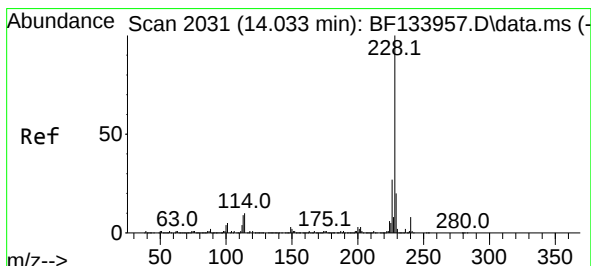
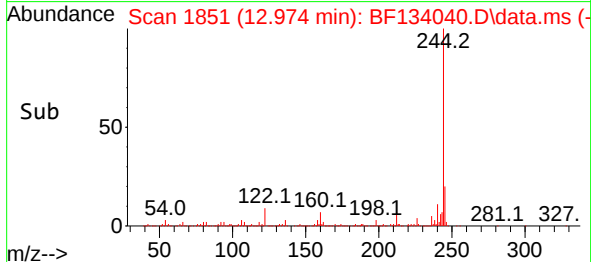
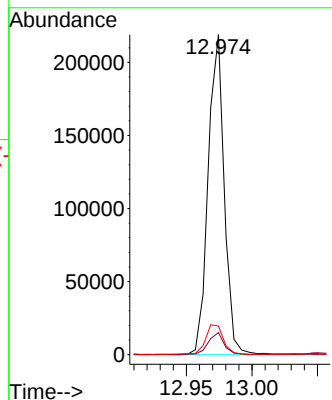
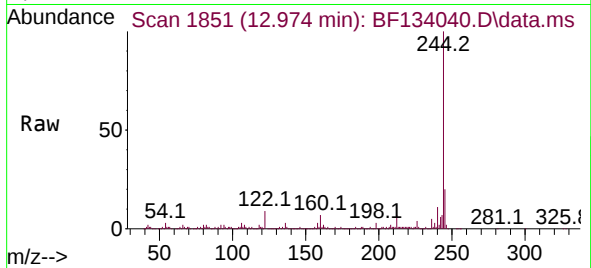
#79
Terphenyl-d14
Concen: 14.698 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

Instrument :
BNA_F
ClientSampleId :
SB-06-COMPDL

Tgt Ion:244 Resp: 18755
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.0 8.3 12.5

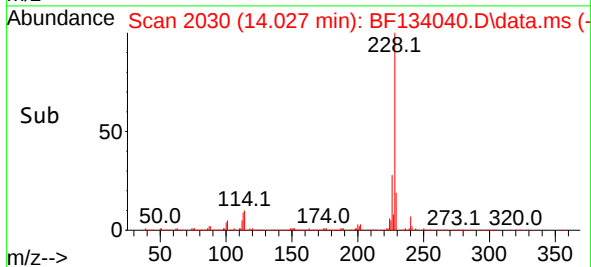
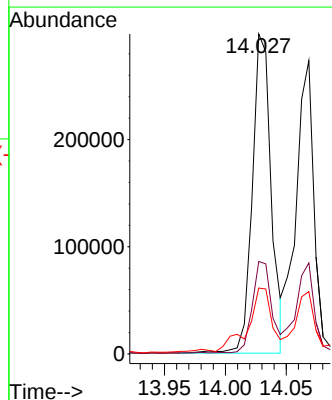
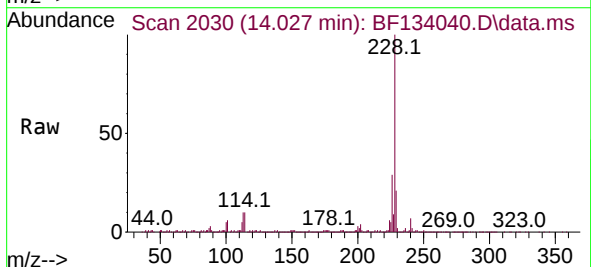
Manual Integrations
APPROVED

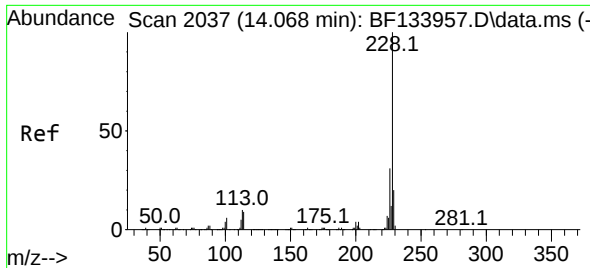
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#81
Benzo(a)anthracene
Concen: 22.628 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

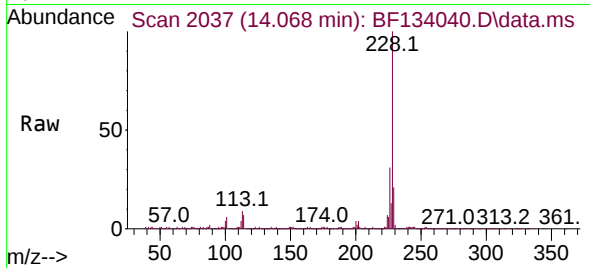
Tgt Ion:228 Resp: 322295
Ion Ratio Lower Upper
228 100
226 28.9 22.0 33.0
229 20.6 16.3 24.5





#83
Chrysene
Concen: 20.432 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

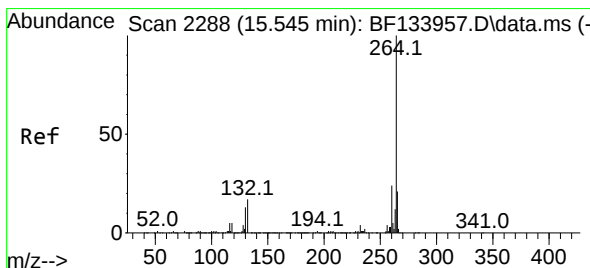
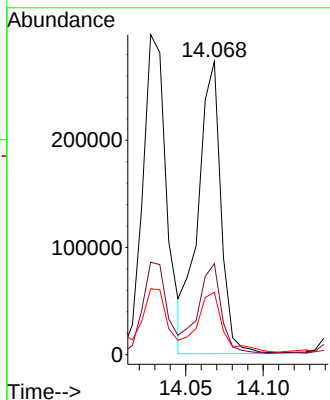
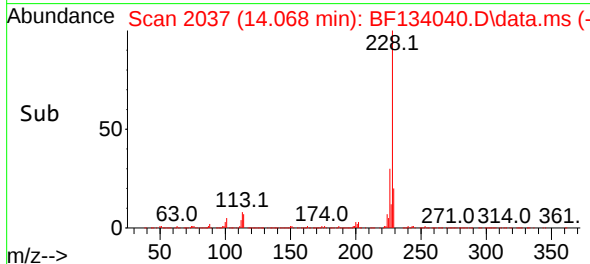
Instrument :
BNA_F
ClientSampleId :
SB-06-COMPDL



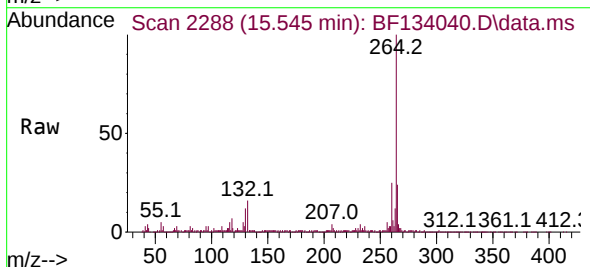
Tgt Ion:228 Resp: 281868
Ion Ratio Lower Upper
228 100
226 31.0 24.4 36.6
229 21.3 16.1 24.1

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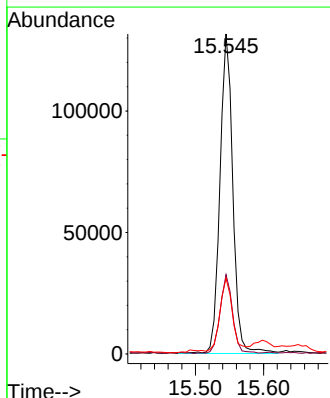
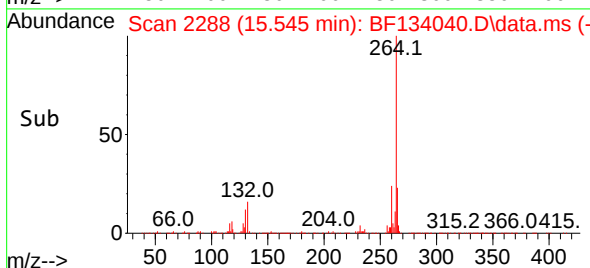
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

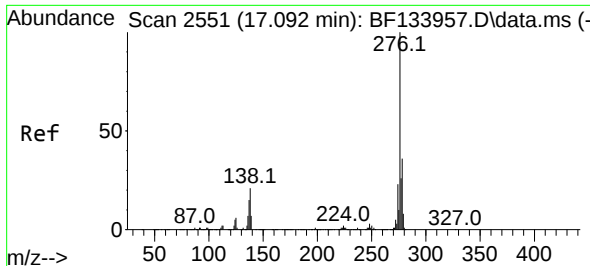


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. 0.000 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55



Tgt Ion:264 Resp: 173297
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 23.7 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.478 ng
RT: 17.086 min Scan# 21195
Delta R.T. -0.006 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

Instrument :

BNA_F

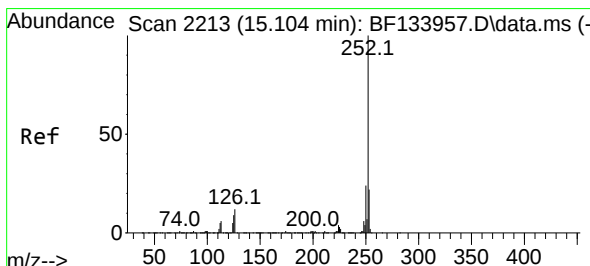
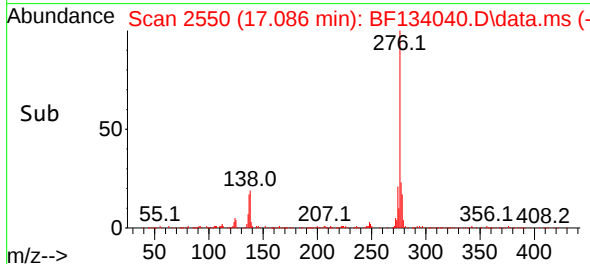
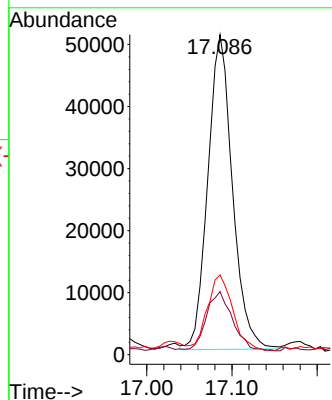
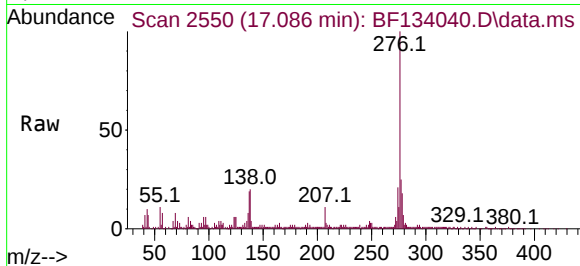
ClientSampleId :

SB-06-COMPDL

Tgt Ion:276 Resp: 10195
Ion Ratio Lower Upper
276 100
138 19.9 18.7 28.1
277 25.0 19.9 29.9

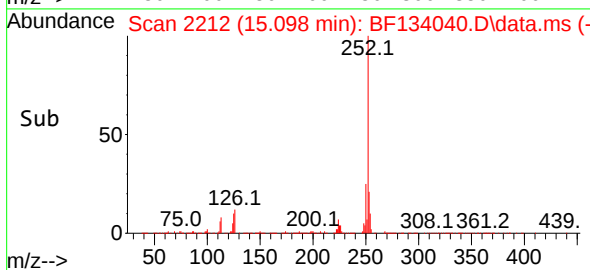
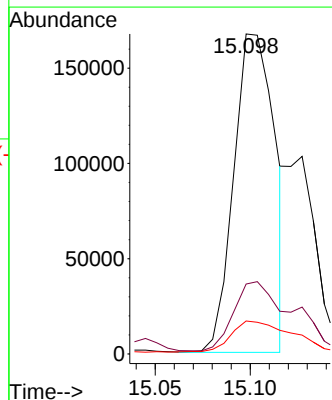
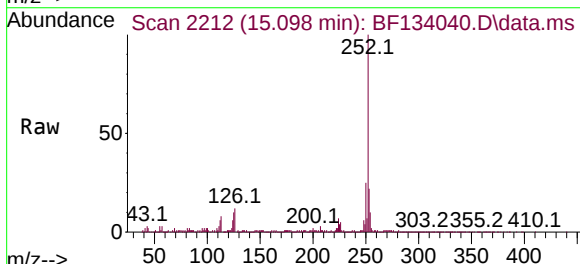
Manual Integrations
APPROVED

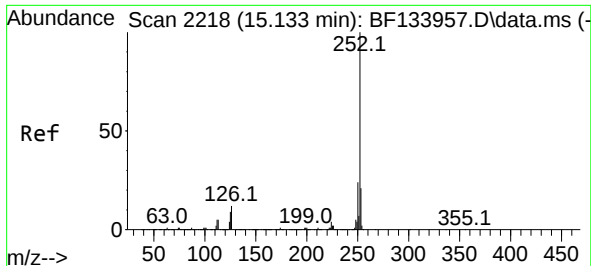
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#88
Benzo(b)fluoranthene
Concen: 24.754 ng m
RT: 15.098 min Scan# 2212
Delta R.T. -0.006 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

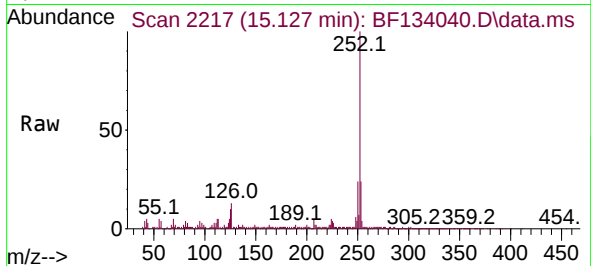
Tgt Ion:252 Resp: 252242
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 10.3 7.1 10.7





#89
Benzo(k)fluoranthene
Concen: 10.472 ng m
RT: 15.127 min Scan# 2218
Delta R.T. -0.006 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

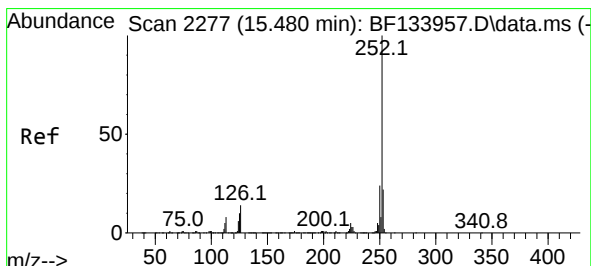
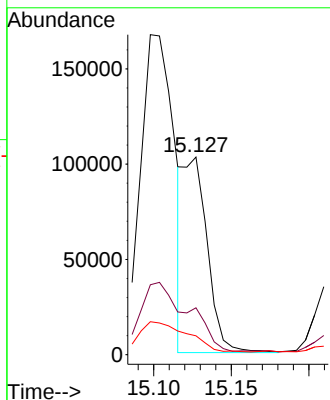
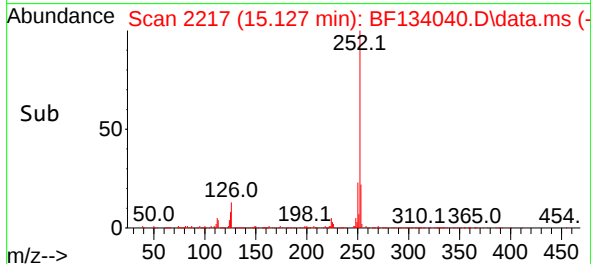
Instrument :
BNA_F
ClientSampleId :
SB-06-COMPDL



Tgt Ion:252 Resp: 108649
Ion Ratio Lower Upper
252 100
253 23.7 16.9 25.3
125 9.6 7.4 11.2

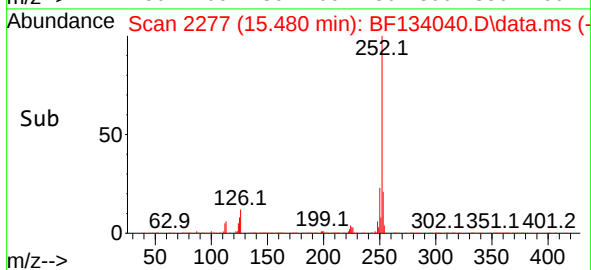
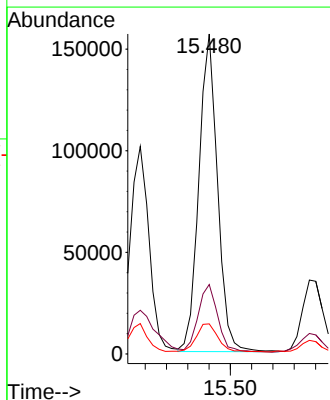
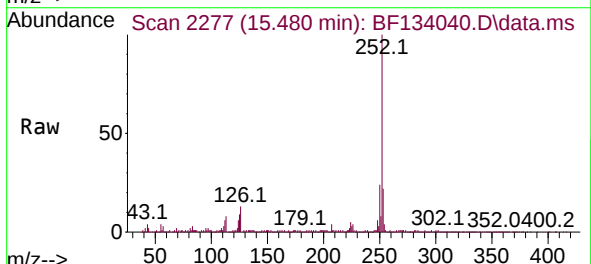
Manual Integrations
APPROVED

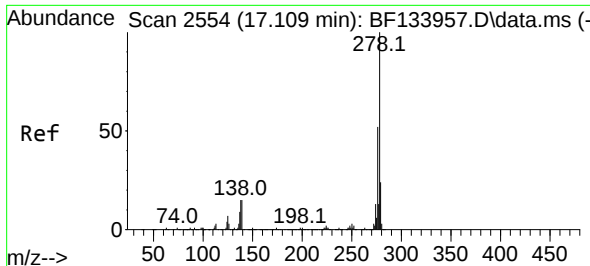
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#90
Benzo(a)pyrene
Concen: 19.374 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

Tgt Ion:252 Resp: 190905
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 9.4 8.4 12.6





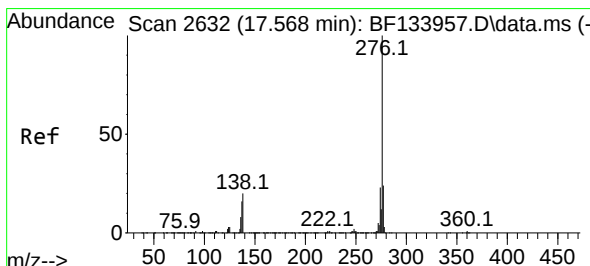
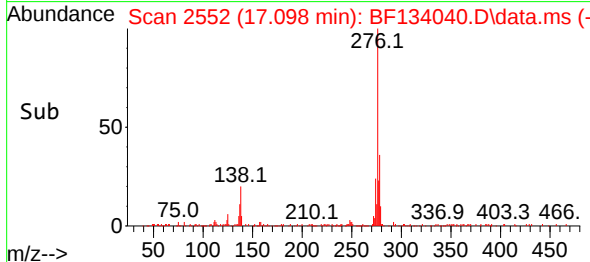
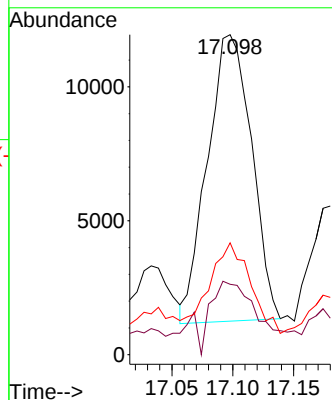
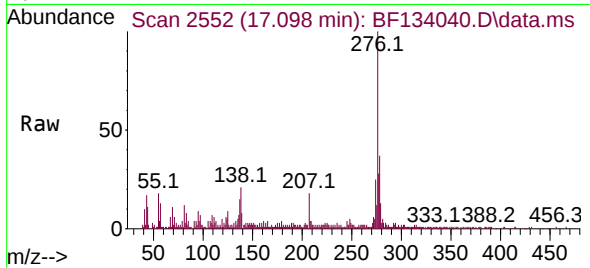
#91
Dibenzo(a,h)anthracene
Concen: 2.745 ng
RT: 17.098 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

Instrument :
BNA_F
ClientSampleId :
SB-06-COMPDL

Tgt Ion:278 Resp: 26960
Ion Ratio Lower Upper
278 100
139 22.0 12.2 18.4
279 35.0 19.4 29.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#92
Benzo(g,h,i)perylene
Concen: 9.384 ng
RT: 17.557 min Scan# 2630
Delta R.T. -0.012 min
Lab File: BF134040.D
Acq: 29 Jun 2023 16:55

Tgt Ion:276 Resp: 95045
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.6
138 23.6 16.2 24.2

