

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
 Data File : BF134750.D
 Acq On : 14 Aug 2023 10:00
 Operator : CG\JU
 Sample : 03974-01DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-081023DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/15/2023
 Supervised By :Sohil Jodhani 08/15/2023

Quant Time: Aug 14 11:39:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	177073	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	610429	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	274405	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	433162	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	314245	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	246319	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	223793	19.212	ng	0.00
7) Phenol-d6	6.428	99	252301	16.944	ng	-0.01
23) Nitrobenzene-d5	7.357	82	150126	15.369	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	52325	18.706	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	302707	18.342	ng	-0.01
79) Terphenyl-d14	12.915	244	293310	16.454	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	9.863	154	42413	2.604	ng	97
58) Fluorene	10.380	166	75695	4.482	ng	97
71) Phenanthrene	11.351	178	685383	29.789	ng	99
72) Anthracene	11.398	178	230145	9.793	ng	99
75) Fluoranthene	12.545	202	1338721	55.084	ng	97
78) Pyrene	12.774	202	1168701	42.979	ng	97
81) Benzo(a)anthracene	13.962	228	666601	29.666	ng	99
83) Chrysene	14.004	228	548357	25.049	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	229537	15.845	ng	95
88) Benzo(b)fluoranthene	15.021	252	629577m	41.908	ng	
89) Benzo(k)fluoranthene	15.045	252	165293m	11.045	ng	
90) Benzo(a)pyrene	15.386	252	404711	28.894	ng	# 94
91) Dibenzo(a,h)anthracene	16.951	278	53671	4.584	ng	# 82
92) Benzo(g,h,i)perylene	17.392	276	202504	16.957	ng	# 93

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

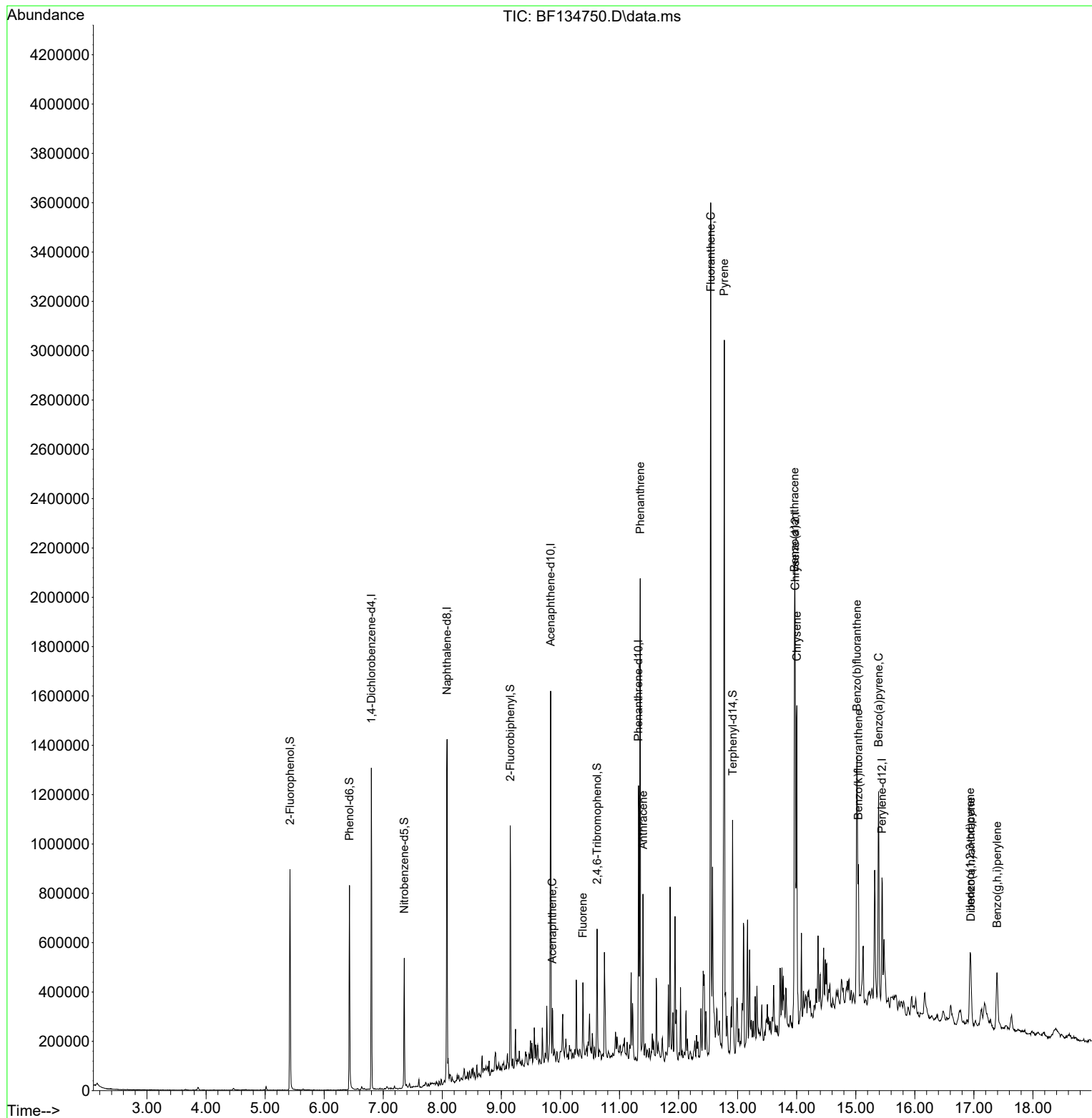
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
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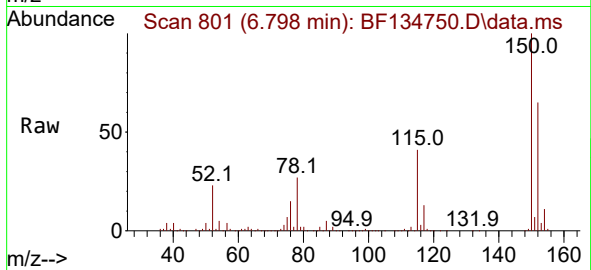
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

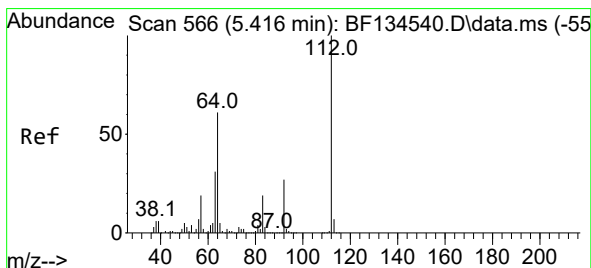
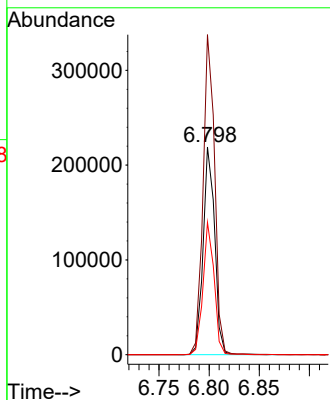
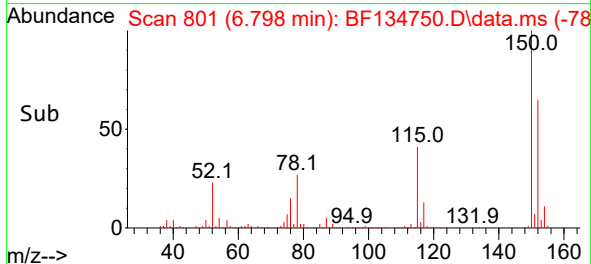
Instrument :
BNA_F
ClientSampleId :
EO-01-081023DL



Tgt Ion:152 Resp: 177073
Ion Ratio Lower Upper
152 100
150 154.1 128.3 192.5
115 63.7 52.4 78.6

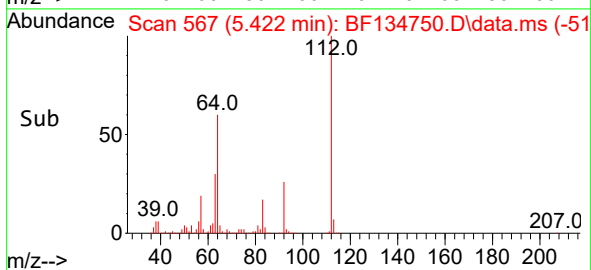
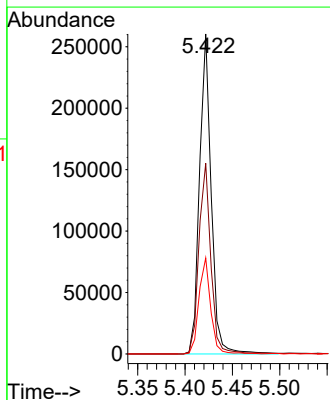
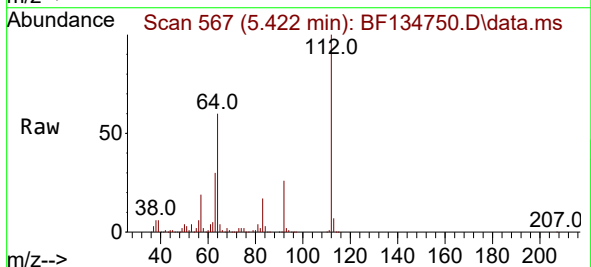
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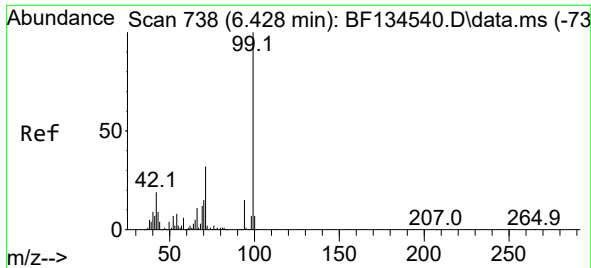
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#5
2-Fluorophenol
Concen: 19.212 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

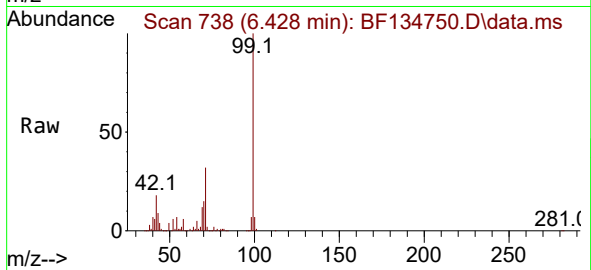
Tgt Ion:112 Resp: 223793
Ion Ratio Lower Upper
112 100
64 59.6 44.9 67.3
63 30.0 25.4 38.0





#7
Phenol-d6
Concen: 16.944 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

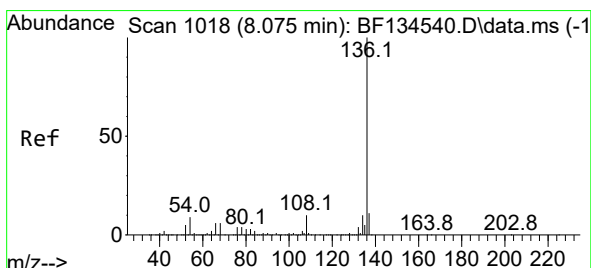
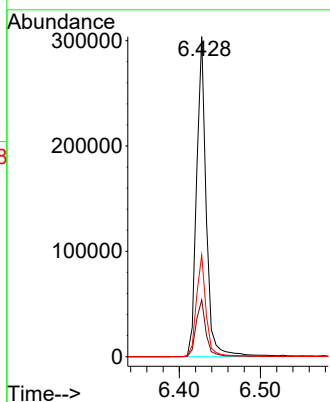
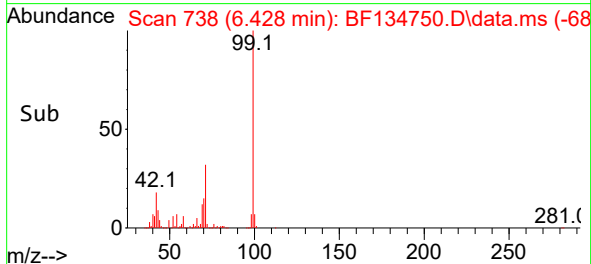
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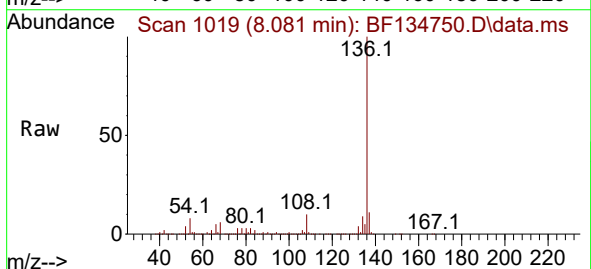
Tgt Ion: 99 Resp: 25230
Ion Ratio Lower Upper
99 100
42 17.8 18.7 28.1
71 31.8 36.4 54.6

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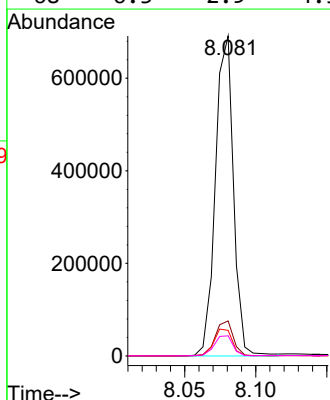
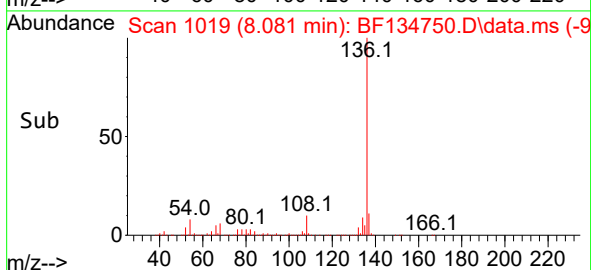
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

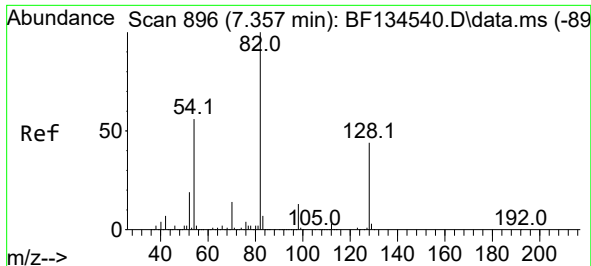


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00



Tgt Ion:136 Resp: 610429
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.0 5.2 7.8#
68 6.3 2.9 4.3#





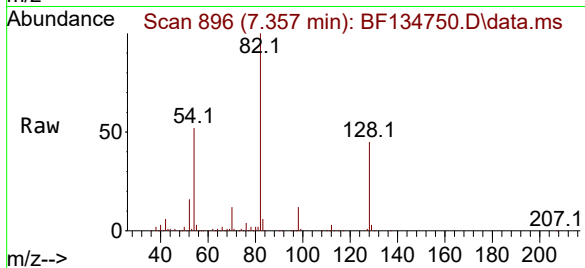
#23
Nitrobenzene-d5
Concen: 15.369 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Instrument :

BNA_F

ClientSampleId :

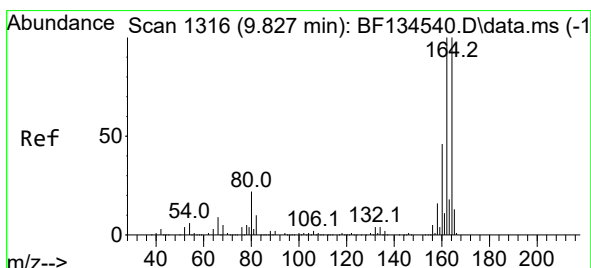
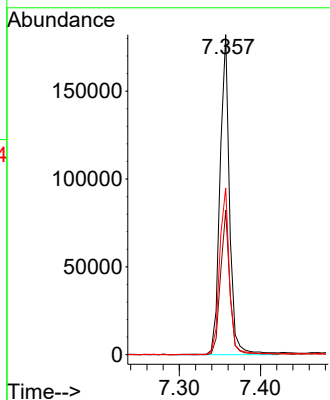
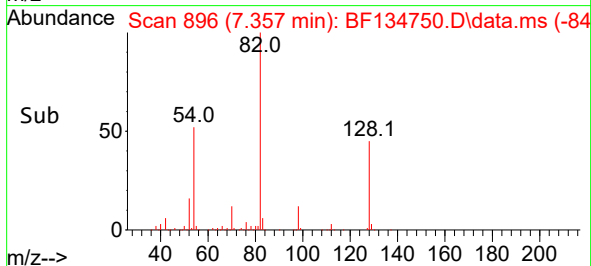
EO-01-081023DL



Tgt Ion: 82 Resp: 150120
Ion Ratio Lower Upper
82 100
128 45.1 34.3 51.5
54 52.1 43.8 65.6

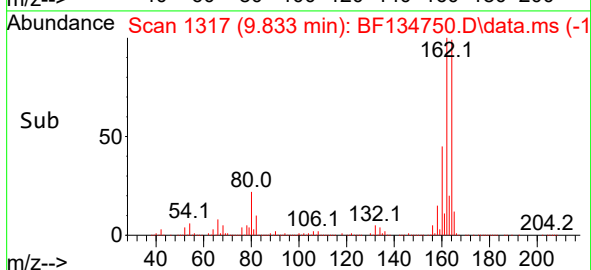
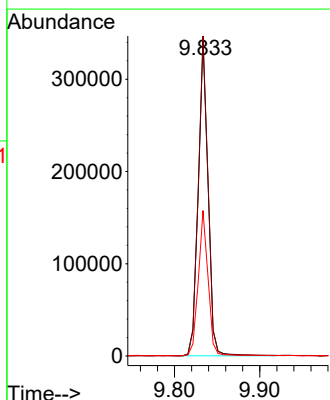
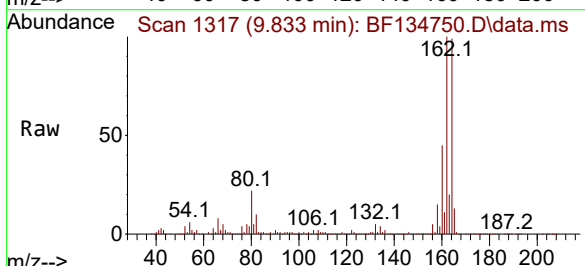
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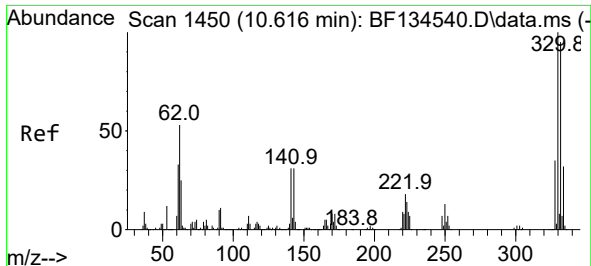
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Tgt Ion:164 Resp: 274405
Ion Ratio Lower Upper
164 100
162 101.3 82.6 123.8
160 46.0 37.2 55.8





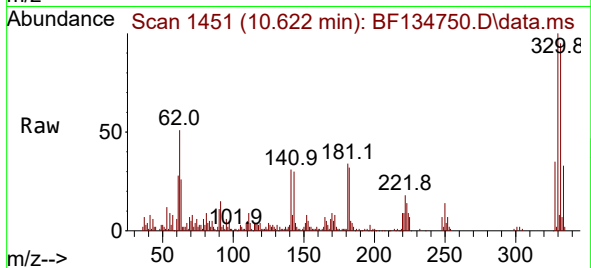
#42
2,4,6-Tribromophenol
Concen: 18.706 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Instrument :

BNA_F

ClientSampleId :

EO-01-081023DL

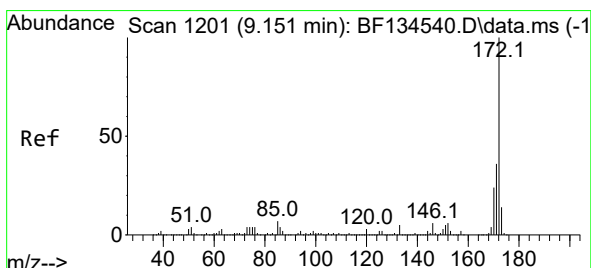
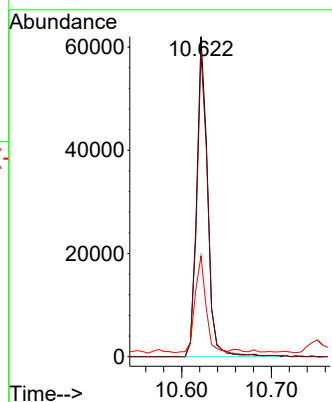
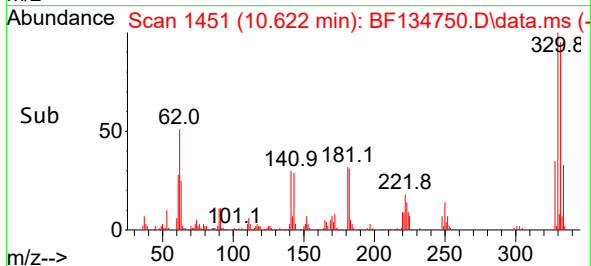


Tgt Ion: 330 Resp: 5232
Ion Ratio Lower Upper
330 100
332 94.6 78.8 118.2
141 30.1 25.4 38.2

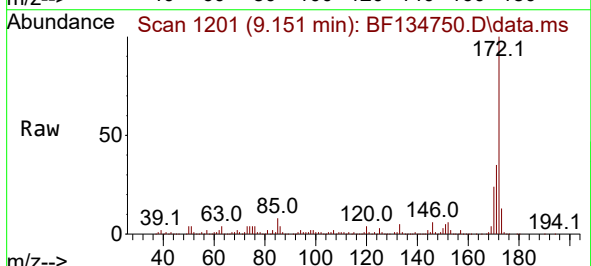
Manual Integrations

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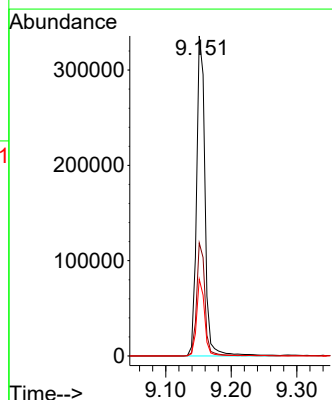
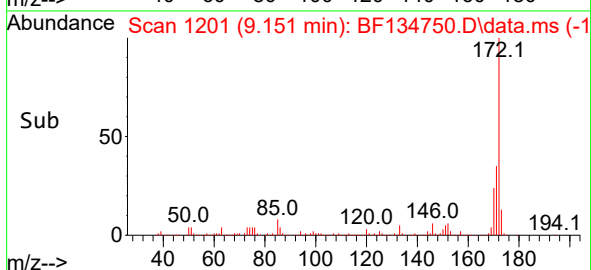
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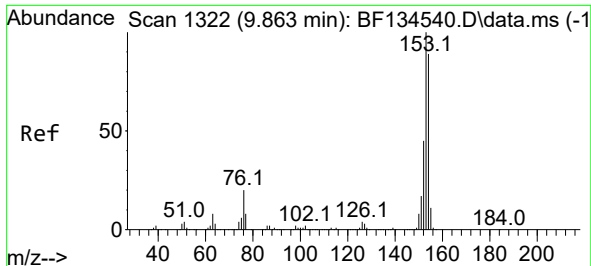


#45
2-Fluorobiphenyl
Concen: 18.342 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00



Tgt Ion: 172 Resp: 302707
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 24.0 18.7 28.1





#52
Acenaphthene
Concen: 2.604 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Instrument :

BNA_F

ClientSampleId :

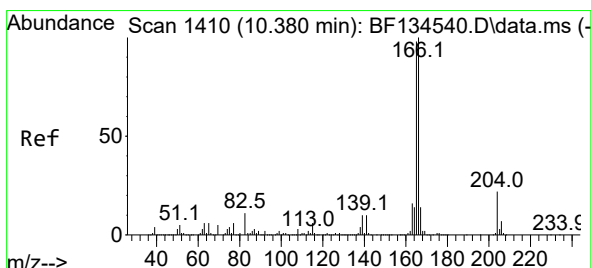
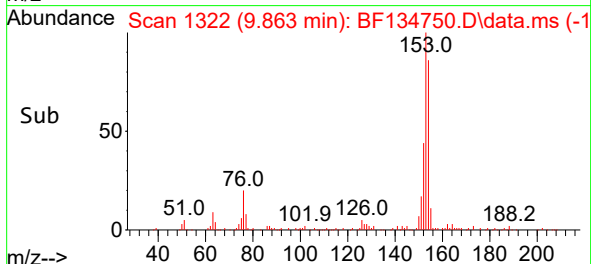
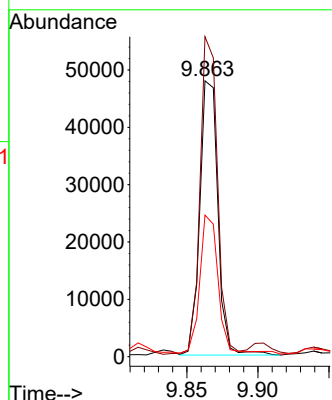
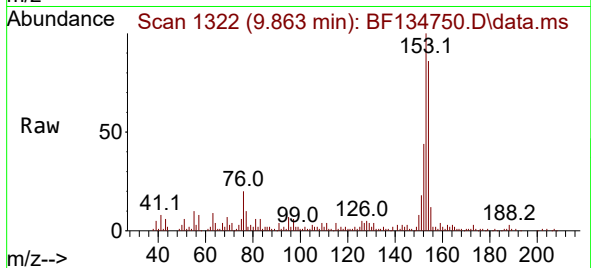
EO-01-081023DL

Tgt Ion:154 Resp: 4241
Ion Ratio Lower Upper
154 100
153 116.0 90.0 135.0
152 51.3 42.4 63.6

Manual Integrations

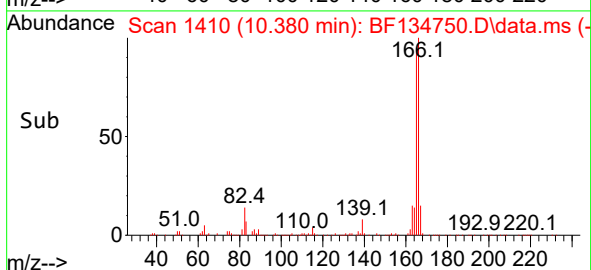
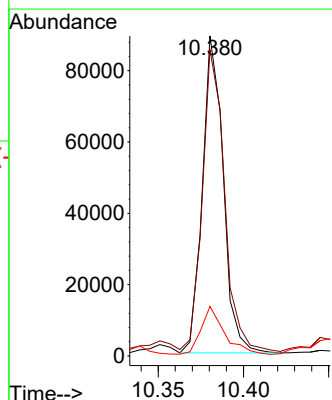
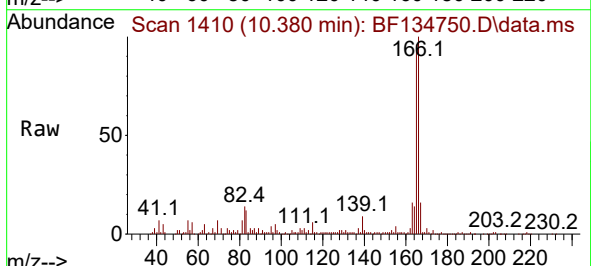
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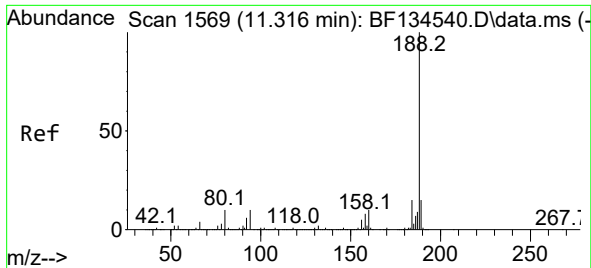
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#58
Fluorene
Concen: 4.482 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

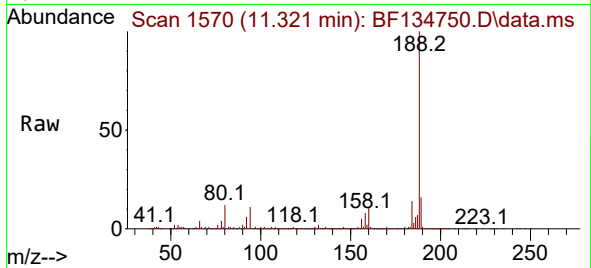
Tgt Ion:166 Resp: 75695
Ion Ratio Lower Upper
166 100
165 95.7 74.5 111.7
167 15.5 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

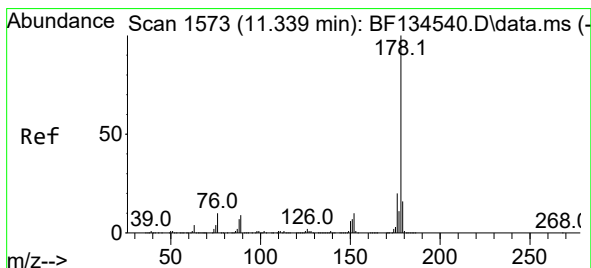
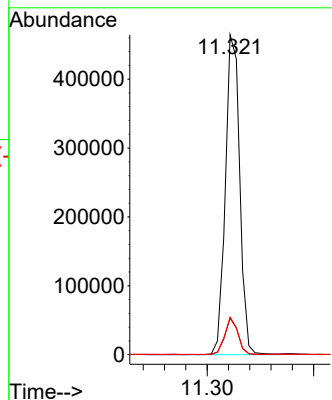
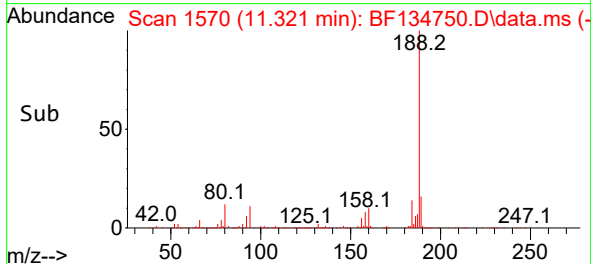
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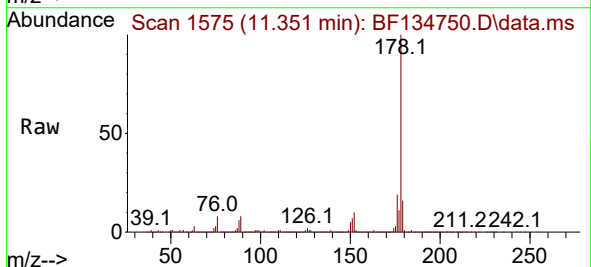
Tgt Ion:188 Resp: 433162
Ion Ratio Lower Upper
188 100
94 11.4 5.1 7.7
80 11.8 6.6 9.8

Manual Integrations
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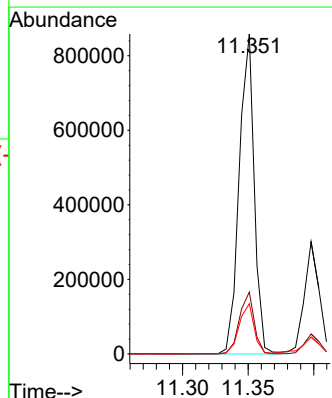
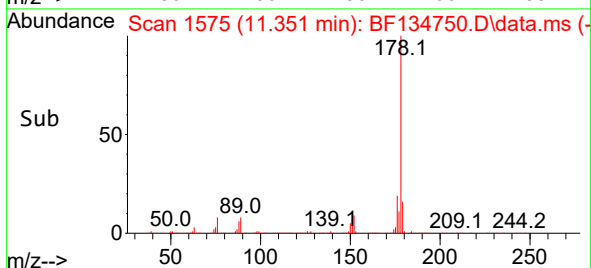
Reviewed By :Yogesh Patel 08/15/2023
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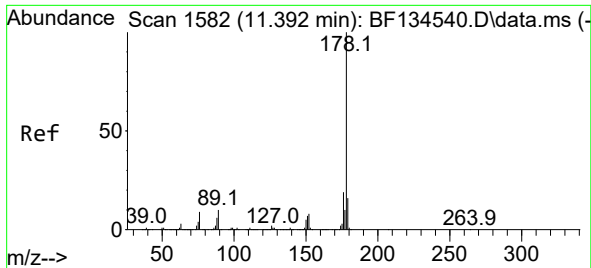


#71
Phenanthrene
Concen: 29.789 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00



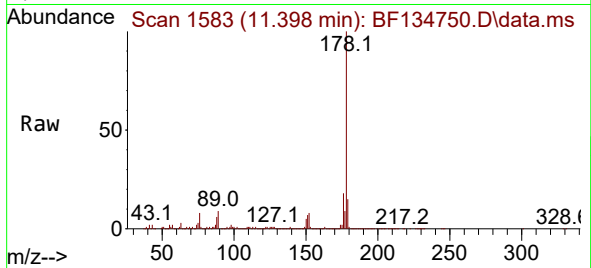
Tgt Ion:178 Resp: 685383
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.7 12.7 19.1





#72
 Anthracene
 Concen: 9.793 ng
 RT: 11.398 min Scan# 1139
 Delta R.T. -0.006 min
 Lab File: BF134750.D
 Acq: 14 Aug 2023 10:00

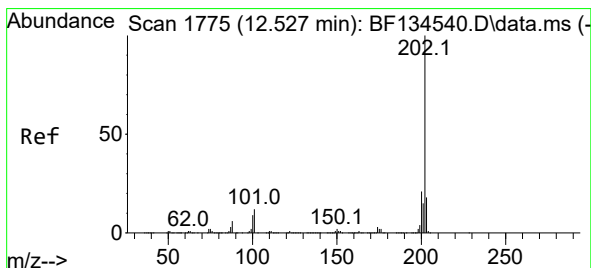
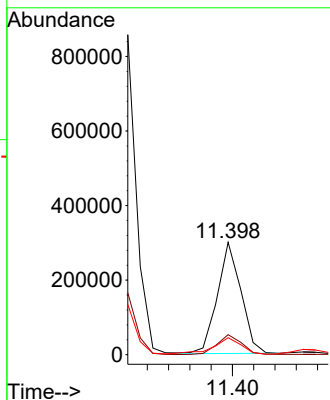
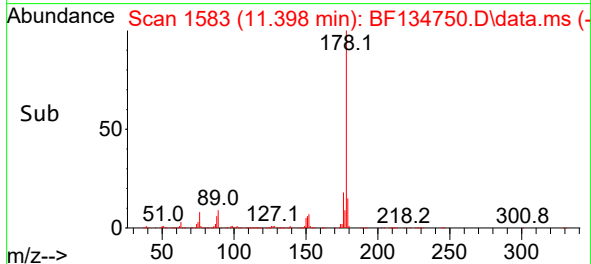
Instrument :
 BNA_F
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 EO-01-081023DL



Tgt Ion:178 Resp: 230145
 Ion Ratio Lower Upper
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 179 15.1 12.3 18.5

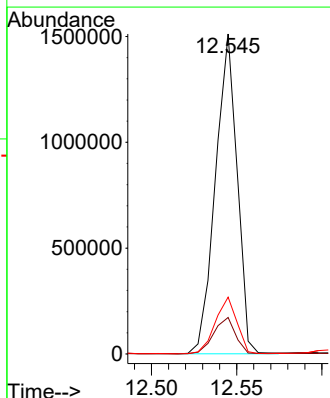
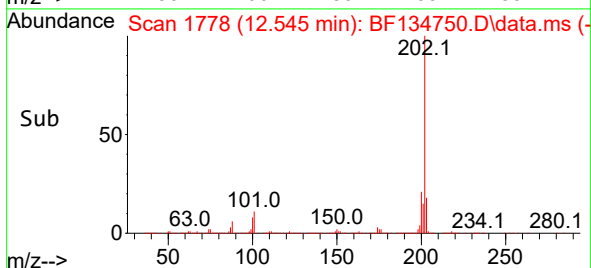
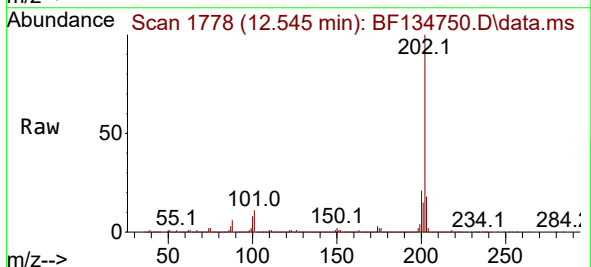
Manual Integrations
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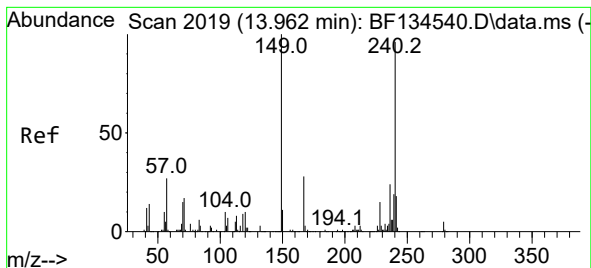
Reviewed By :Yogesh Patel 08/15/2023
 Supervised By :Sohil Jodhani 08/15/2023



#75
 Fluoranthene
 Concen: 55.084 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. 0.006 min
 Lab File: BF134750.D
 Acq: 14 Aug 2023 10:00

Tgt Ion:202 Resp: 1338721
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 28.5
 203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF134750.D

Acq: 14 Aug 2023 10:00

Instrument :

BNA_F

ClientSampleId :

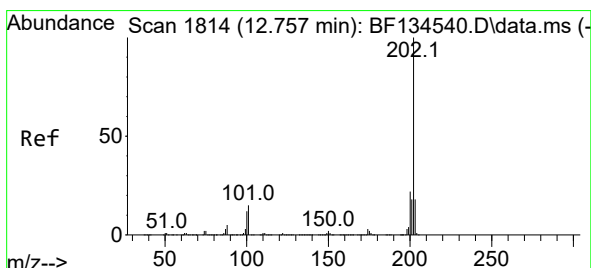
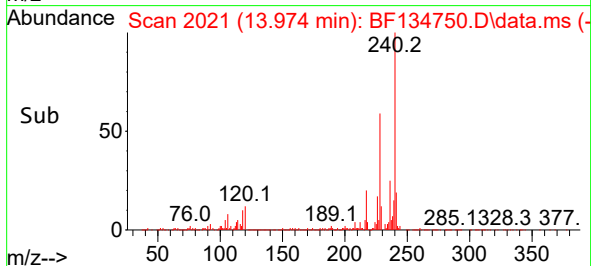
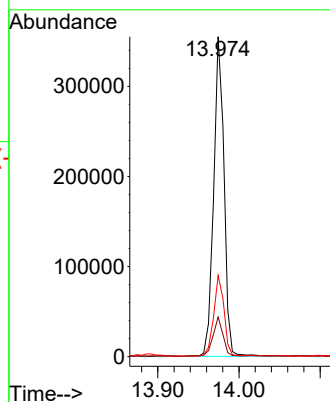
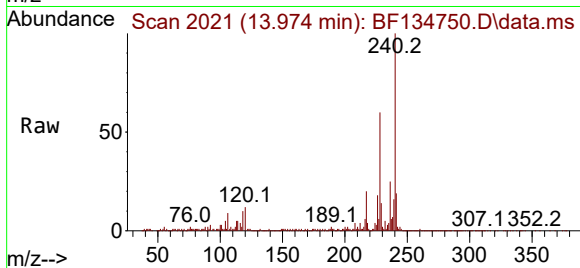
EO-01-081023DL

Tgt Ion:240 Resp: 314245
 Ion Ratio Lower Upper
 240 100
 120 12.4 6.6 10.0
 236 25.3 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/15/2023
 Supervised By :Sohil Jodhani 08/15/2023



#78

Pyrene

Concen: 42.979 ng

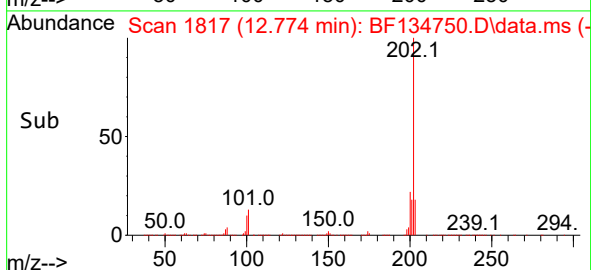
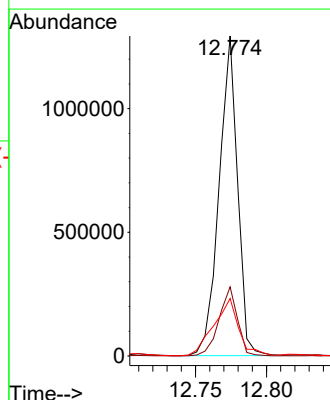
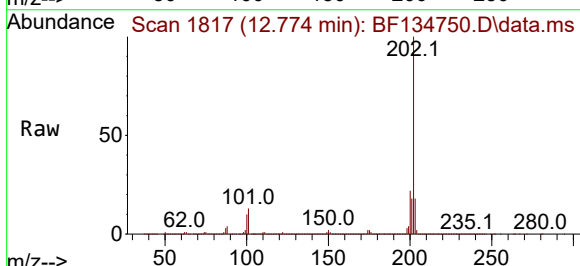
RT: 12.774 min Scan# 1817

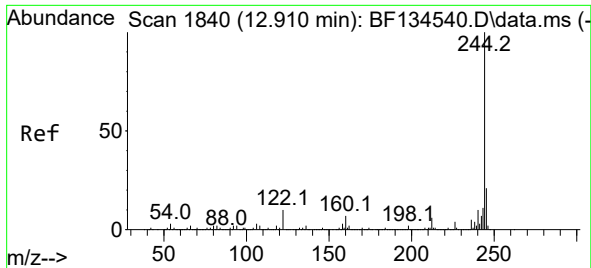
Delta R.T. 0.006 min

Lab File: BF134750.D

Acq: 14 Aug 2023 10:00

Tgt Ion:202 Resp: 1168701
 Ion Ratio Lower Upper
 202 100
 200 21.6 15.8 23.8
 203 18.0 13.5 20.3





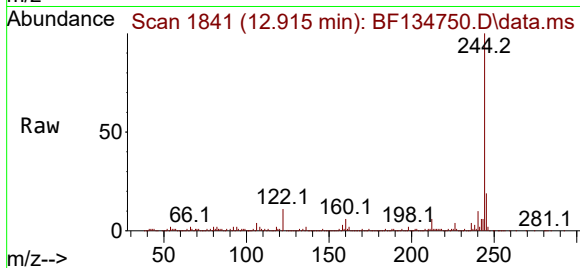
#79
Terphenyl-d14
Concen: 16.454 ng
RT: 12.915 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Instrument :

BNA_F

ClientSampleId :

EO-01-081023DL

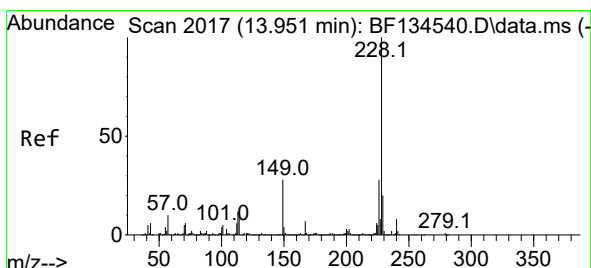
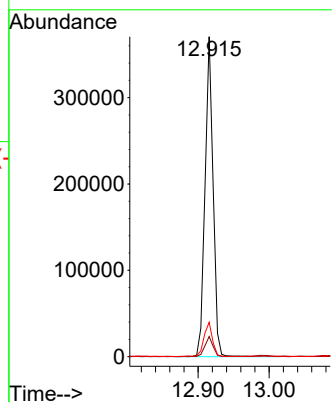
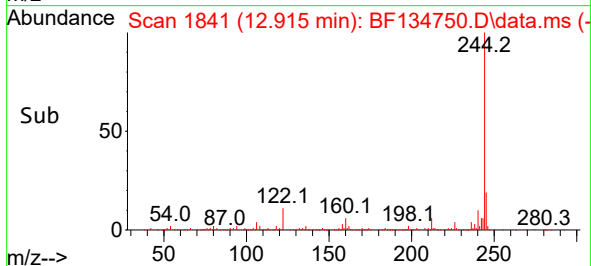


Tgt Ion:244 Resp: 293310
Ion Ratio Lower Upper
244 100
212 6.3 5.6 8.4
122 10.8 8.0 12.0

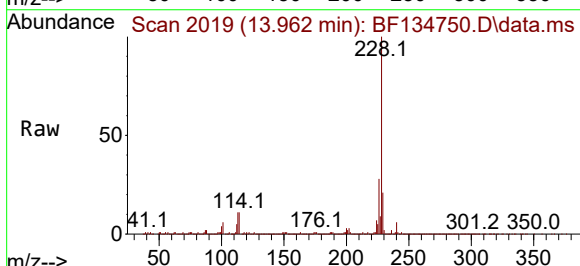
Manual Integrations

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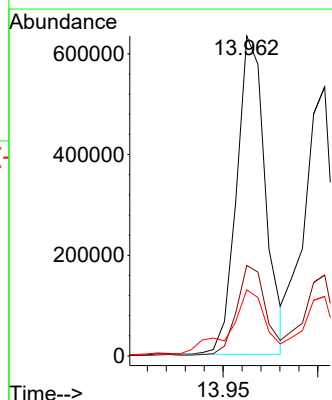
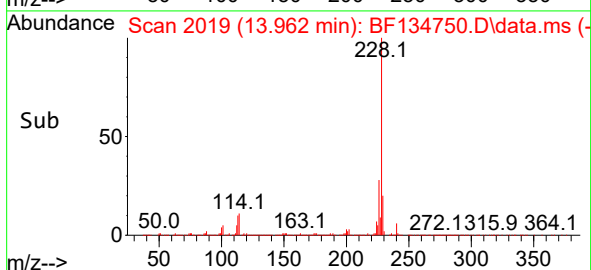
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

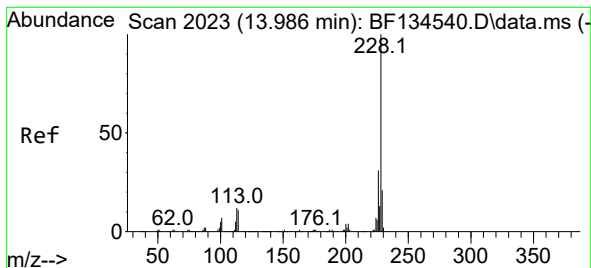


#81
Benzo(a)anthracene
Concen: 29.666 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00



Tgt Ion:228 Resp: 666601
Ion Ratio Lower Upper
228 100
226 28.3 22.3 33.5
229 20.6 15.8 23.6





#83

Chrysene

Concen: 25.049 ng

RT: 14.004 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF134750.D

Acq: 14 Aug 2023 10:00

Instrument :

BNA_F

ClientSampleId :

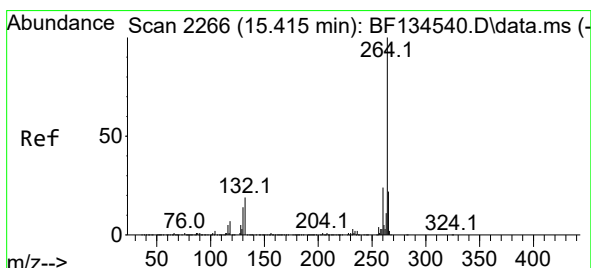
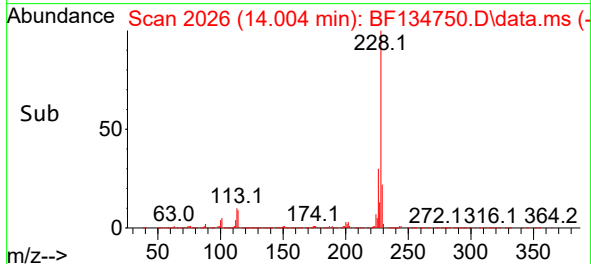
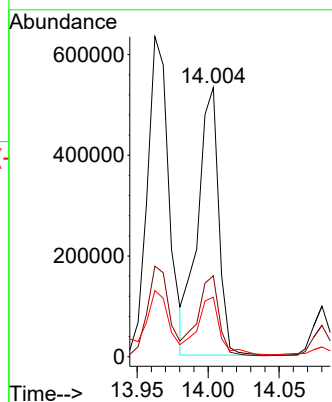
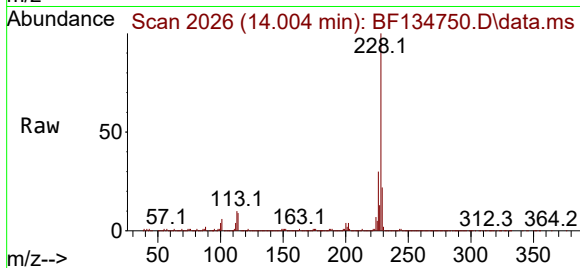
EO-01-081023DL

Tgt Ion:228	Resp: 54835
Ion Ratio	Lower Upper
228 100	
226 30.1	24.5 36.7
229 22.1	15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#86

Perylene-d12

Concen: 20.000 ng

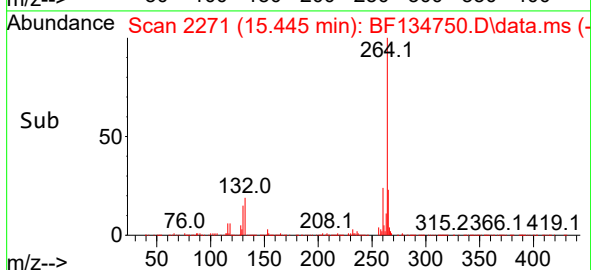
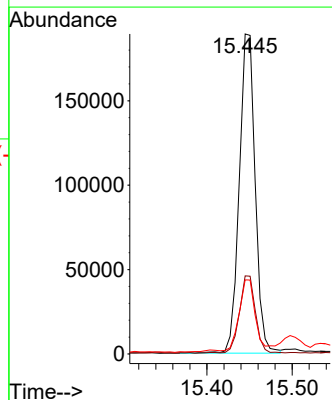
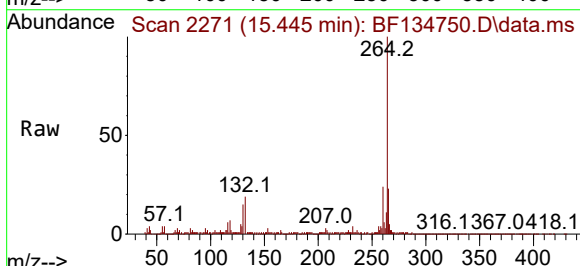
RT: 15.445 min Scan# 2271

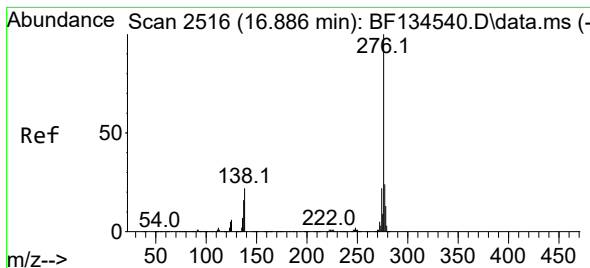
Delta R.T. 0.006 min

Lab File: BF134750.D

Acq: 14 Aug 2023 10:00

Tgt Ion:264	Resp: 246319
Ion Ratio	Lower Upper
264 100	
260 24.4	18.4 27.6
265 23.2	15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.845 ng

RT: 16.939 min Scan# 2199

Delta R.T. 0.012 min

Lab File: BF134750.D

Acq: 14 Aug 2023 10:00

Instrument :

BNA_F

ClientSampleId :

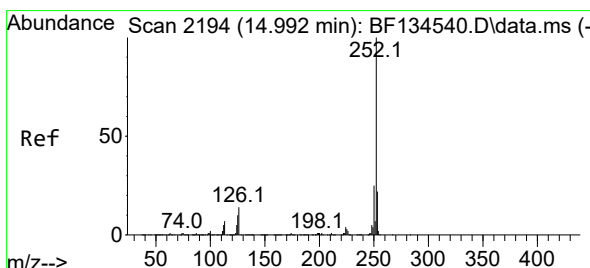
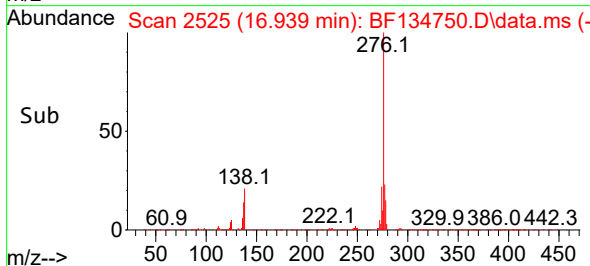
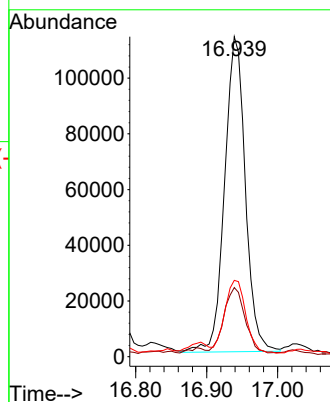
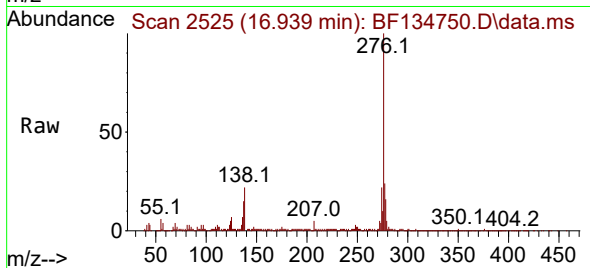
EO-01-081023DL

Tgt Ion:276 Resp: 22953
 Ion Ratio Lower Upper
 276 100
 138 21.1 14.2 21.4
 277 23.3 19.9 29.9

Manual Integrations

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 Supervised By :Sohil Jodhani 08/15/2023



#88

Benzo(b)fluoranthene

Concen: 41.908 ng m

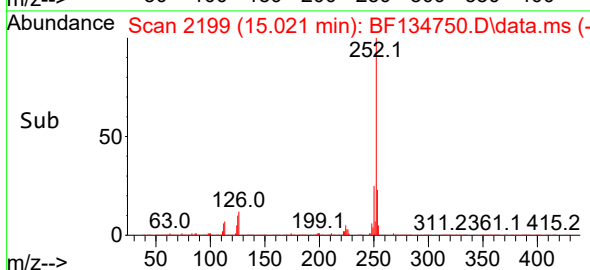
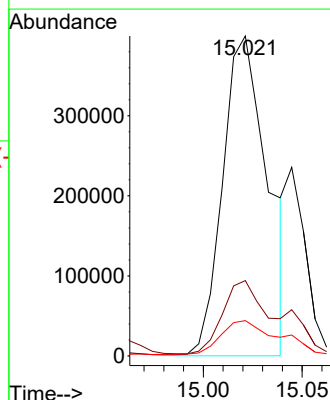
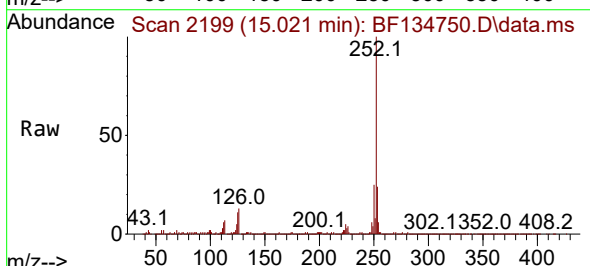
RT: 15.021 min Scan# 2199

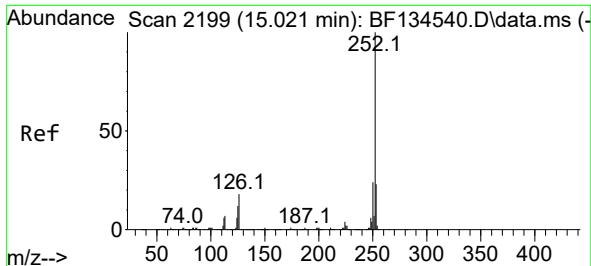
Delta R.T. 0.012 min

Lab File: BF134750.D

Acq: 14 Aug 2023 10:00

Tgt Ion:252 Resp: 629577
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.3 25.9
 125 11.0 6.0 9.0#





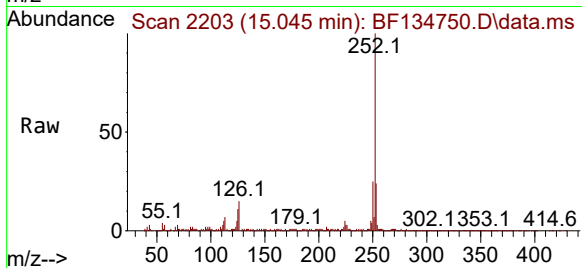
#89
Benzo(k)fluoranthene
Concen: 11.045 ng m
RT: 15.045 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Instrument :

BNF

ClientSampleId :

EO-01-081023DL

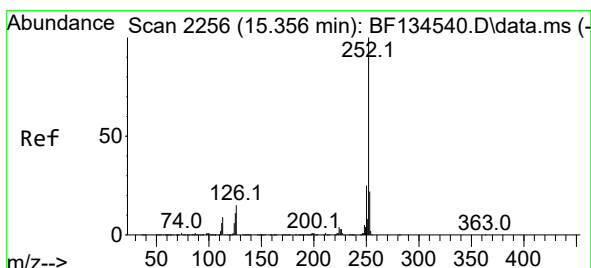
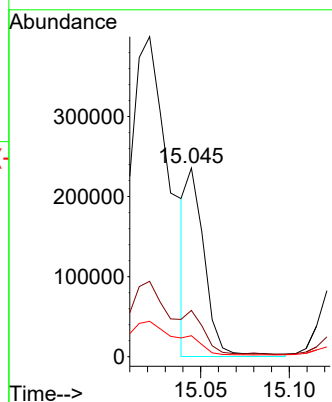
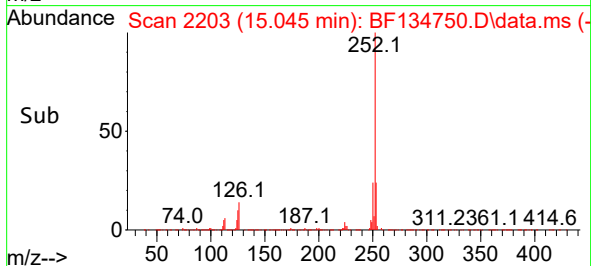


Tgt Ion:252 Resp: 165293
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 11.1 6.3 9.5

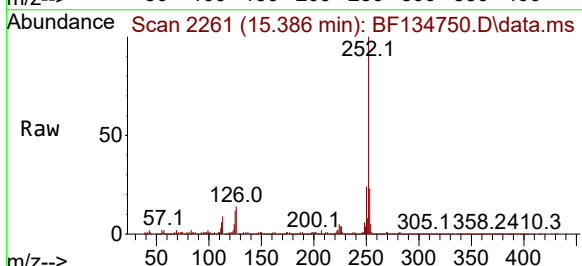
Manual Integrations

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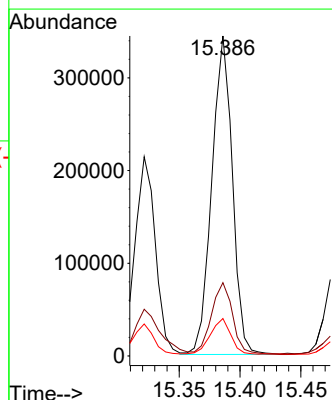
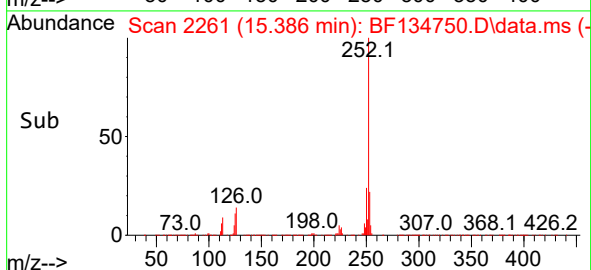
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

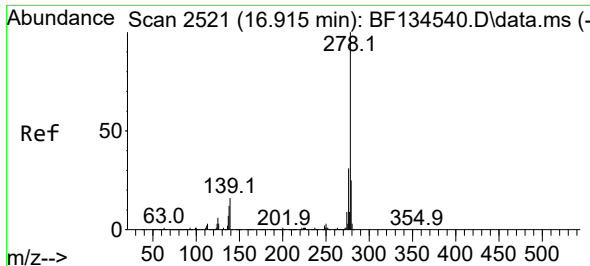


#90
Benzo(a)pyrene
Concen: 28.894 ng
RT: 15.386 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00



Tgt Ion:252 Resp: 404711
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 11.7 6.2 9.4





#91
Dibenzo(a,h)anthracene
Concen: 4.584 ng
RT: 16.951 min Scan# 210
Delta R.T. -0.000 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Instrument :

BNA_F

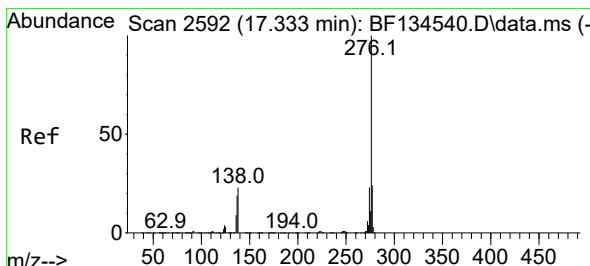
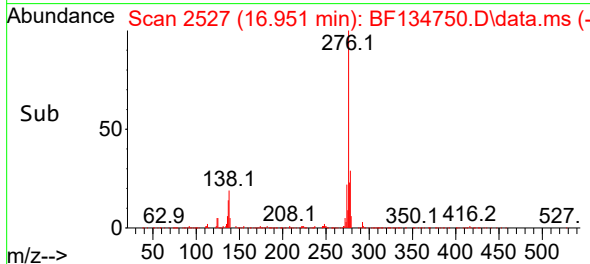
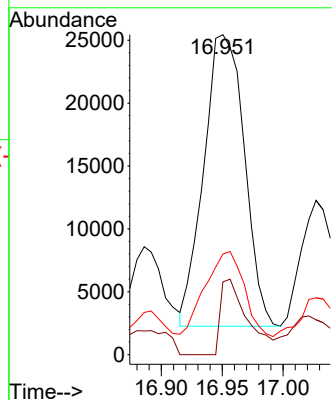
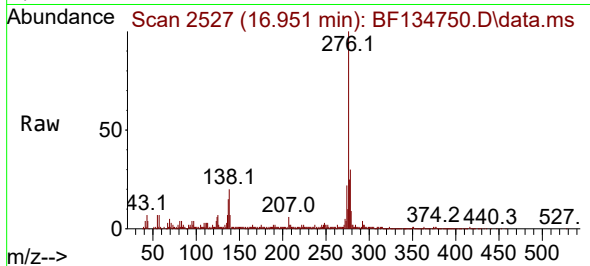
ClientSampleId :

EO-01-081023DL

Tgt Ion:278 Resp: 5367
Ion Ratio Lower Upper
278 100
139 22.7 10.0 15.0
279 31.4 19.7 29.5

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Supervised By :Sohil Jodhani 08/15/2023



#92
Benzo(g,h,i)perylene
Concen: 16.957 ng
RT: 17.392 min Scan# 2602
Delta R.T. 0.018 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Tgt Ion:276 Resp: 202504
Ion Ratio Lower Upper
276 100
277 24.1 19.0 28.6
138 22.4 12.2 18.2

