

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
 Data File : BF134697.D
 Acq On : 09 Aug 2023 19:02
 Operator : CG\JU
 Sample : 03930-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11935

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/10/2023
 Supervised By :mohammad ahmed 08/10/2023

Quant Time: Aug 10 01:42:27 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	6.799	152	182767	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	706946	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	330803	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	493298	20.000	ng	# 0.00
76) Chrysene-d12	13.975	240	393691	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	314142	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	922511	76.727	ng	0.00
7) Phenol-d6	6.434	99	1146482	74.594	ng	0.00
23) Nitrobenzene-d5	7.363	82	691528	61.130	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	252081	74.752	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1225329	61.588	ng	0.00
79) Terphenyl-d14	12.922	244	1041841	46.651	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.869	154	40328	2.054	ng	96
58) Fluorene	10.381	166	41288	2.028	ng	92
71) Phenanthrene	11.351	178	368060	14.047	ng	98
72) Anthracene	11.398	178	71270	2.663	ng	99
75) Fluoranthene	12.539	202	590935	21.351	ng	96
78) Pyrene	12.769	202	463885	13.617	ng	98
81) Benzo(a)anthracene	13.963	228	251077	8.919	ng	93
83) Chrysene	13.998	228	261394	9.531	ng	97
84) Bis(2-ethylhexyl)phtha...	13.963	149	46121	3.402	ng	99
87) Indeno(1,2,3-cd)pyrene	16.933	276	71760	3.884	ng	# 96
88) Benzo(b)fluoranthene	15.016	252	282060m	14.722	ng	
89) Benzo(k)fluoranthene	15.045	252	92189m	4.830	ng	
90) Benzo(a)pyrene	15.380	252	144480	8.088	ng	# 93
92) Benzo(g,h,i)perylene	17.386	276	65712	4.314	ng	# 88

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

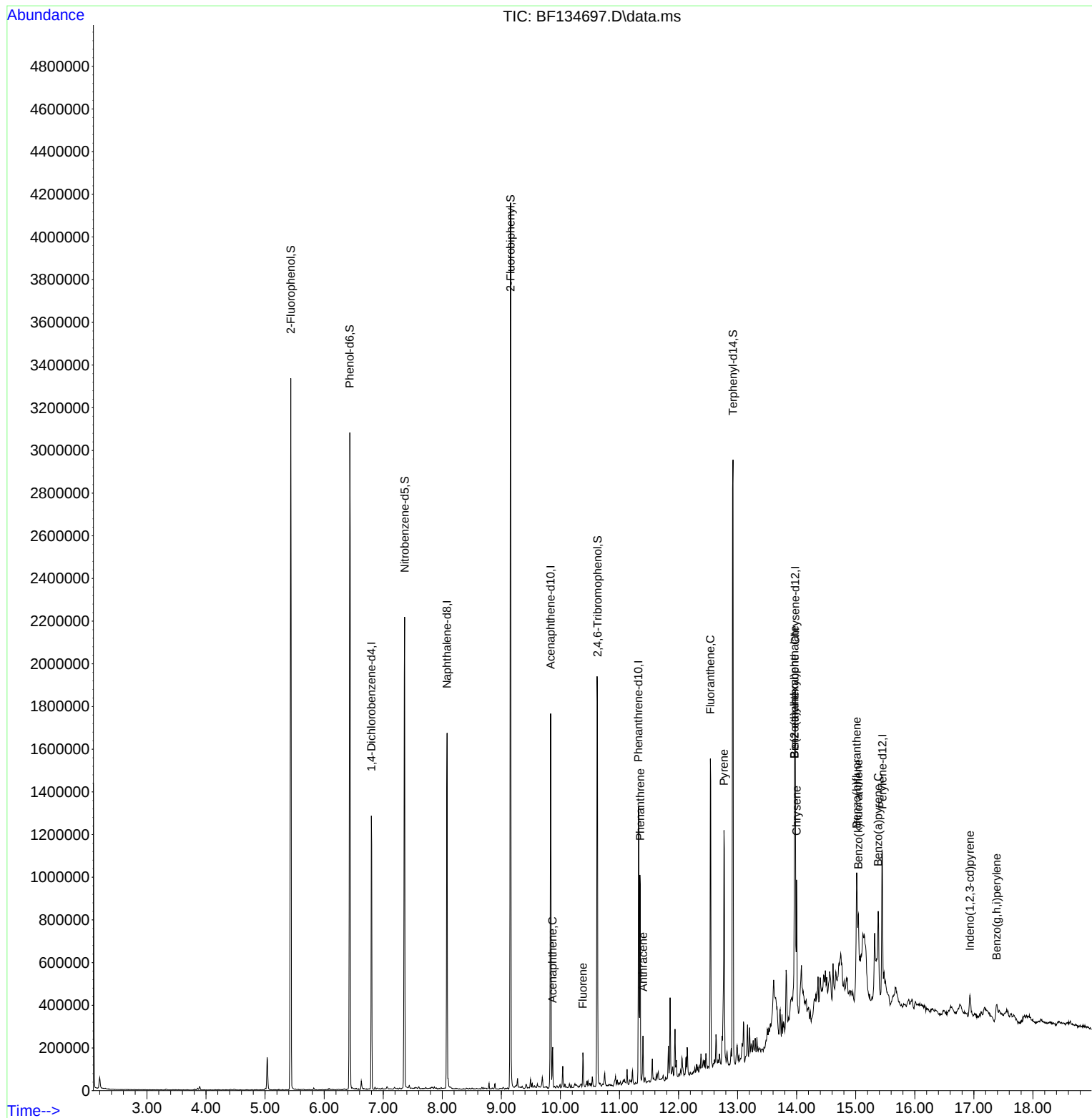
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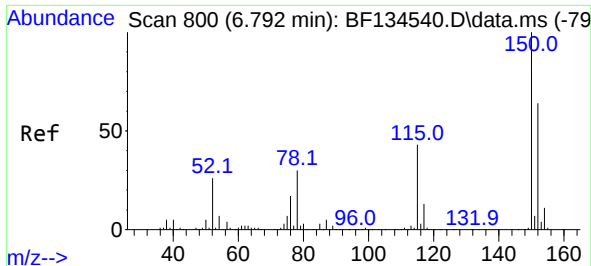
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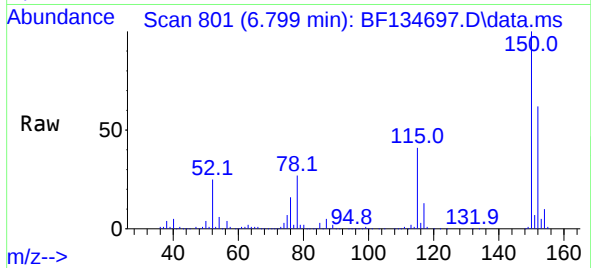
Quant Time: Aug 10 01:42:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.799 min Scan# 801
Delta R.T. 0.001 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

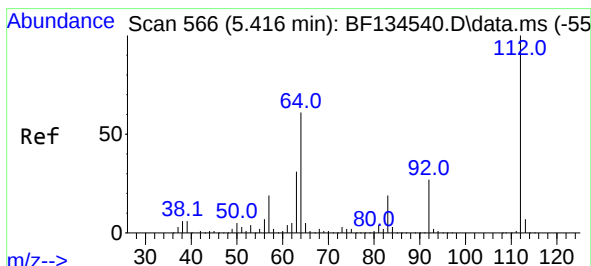
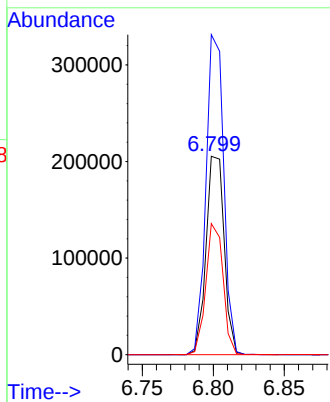
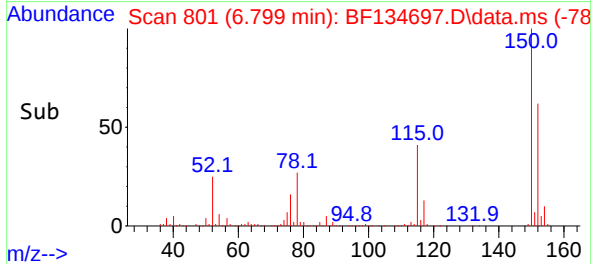
Instrument :
BNA_F
ClientSampleId :
72-11935



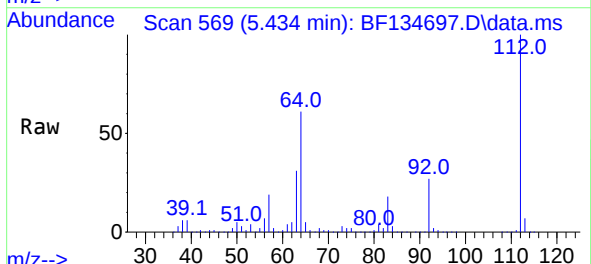
Tgt Ion:152 Resp: 18276
Ion Ratio Lower Upper
152 100
150 161.2 128.3 192.5
115 66.0 52.4 78.6

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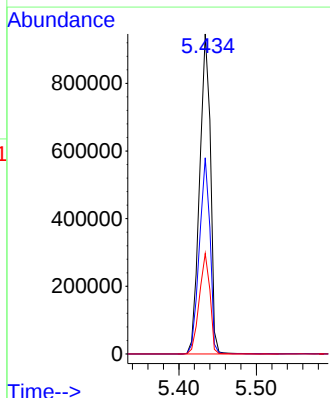
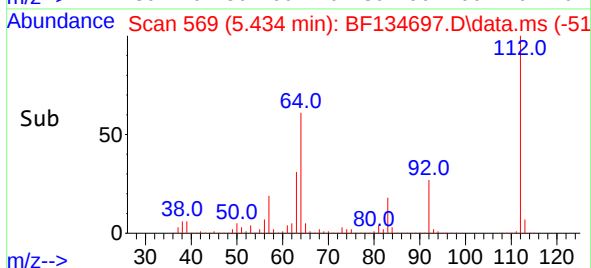
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023

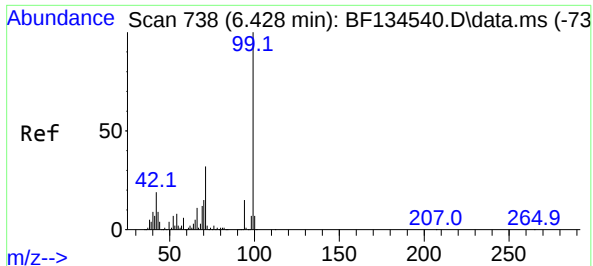


#5
2-Fluorophenol
Concen: 76.727 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02



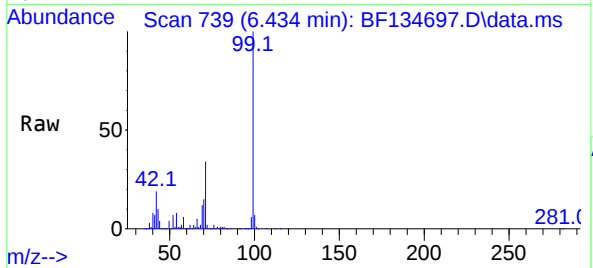
Tgt Ion:112 Resp: 922511
Ion Ratio Lower Upper
112 100
64 61.3 44.9 67.3
63 31.4 25.4 38.0





#7
Phenol-d6
Concen: 74.594 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

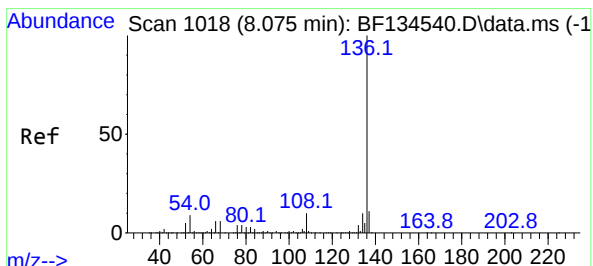
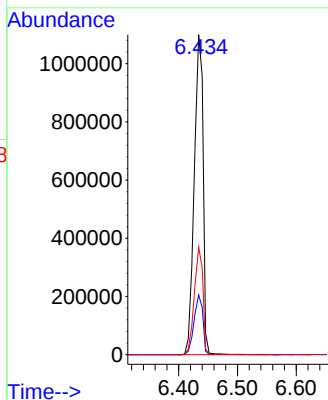
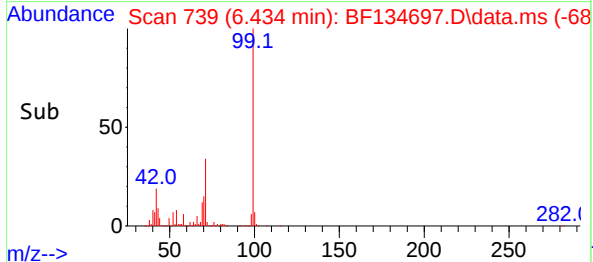
Instrument :
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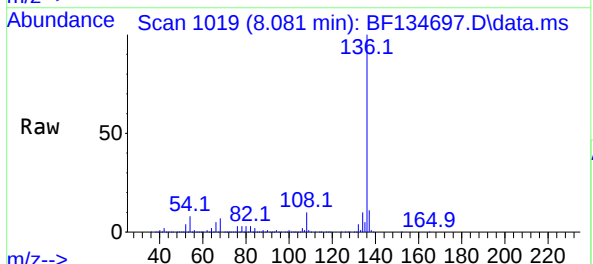
Tgt Ion: 99 Resp: 114648
Ion Ratio Lower Upper
99 100
42 18.7 18.7 28.1#
71 33.6 36.4 54.6#

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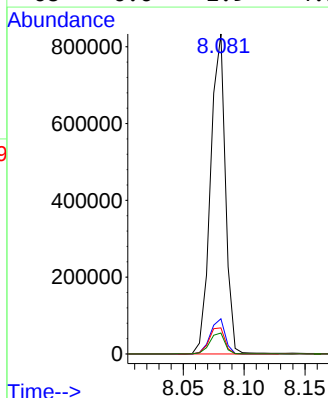
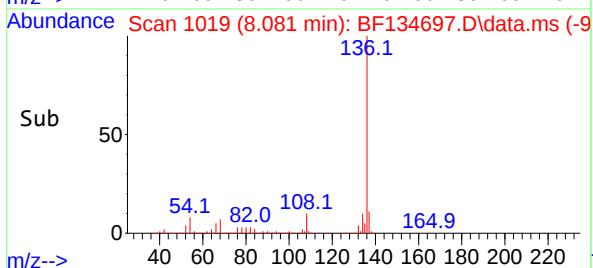
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023

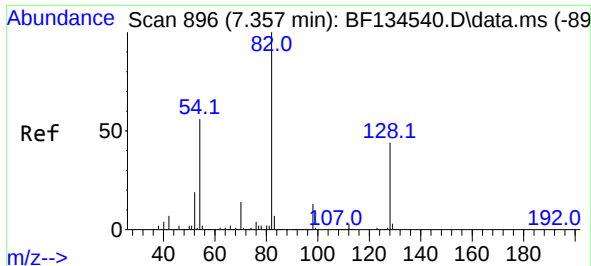


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02



Tgt Ion:136 Resp: 706946
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.2 5.2 7.8#
68 6.6 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 61.130 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

Instrument :

BNA_F

ClientSampleId :

72-11935

Tgt Ion: 82 Resp: 691528

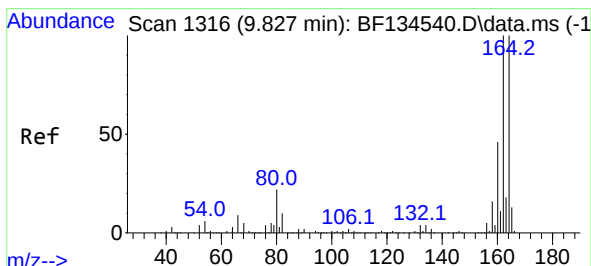
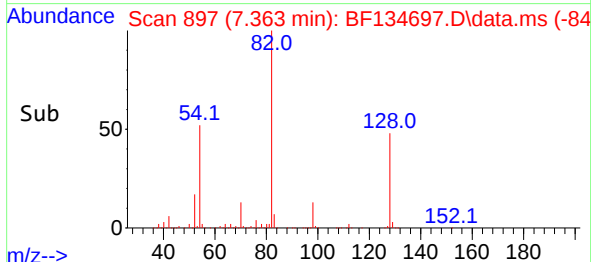
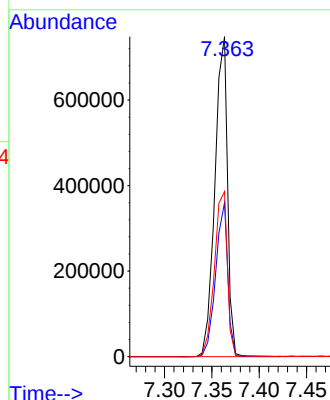
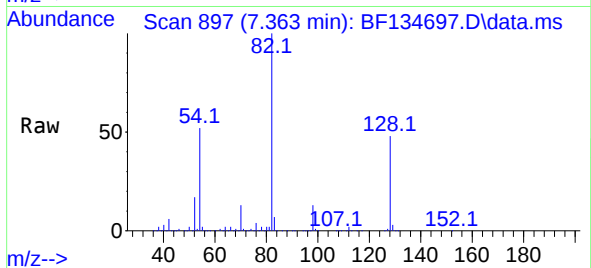
Ion	Ratio	Lower	Upper
82	100		
128	48.1	34.3	51.5
54	51.6	43.8	65.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1317

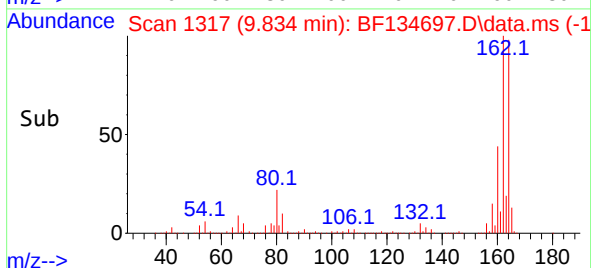
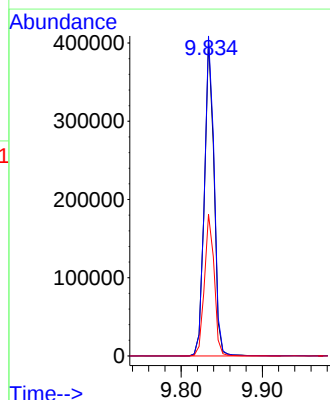
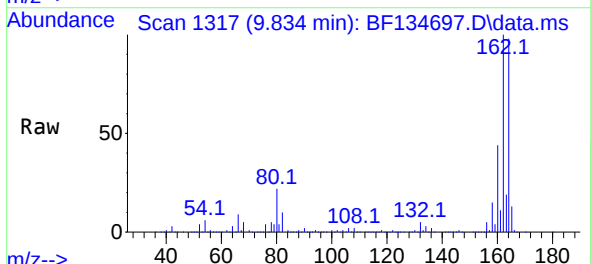
Delta R.T. 0.000 min

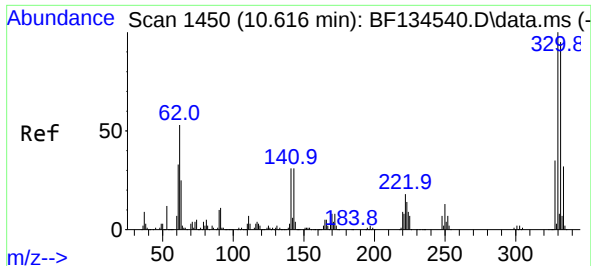
Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

Tgt Ion:164 Resp: 330803

Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.6	123.8
160	44.9	37.2	55.8





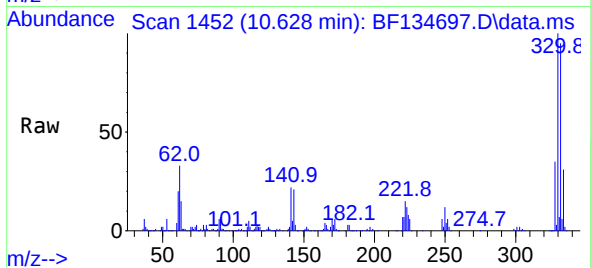
#42
2,4,6-Tribromophenol
Concen: 74.752 ng
RT: 10.628 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

Instrument :

BNA_F

ClientSampleId :

72-11935

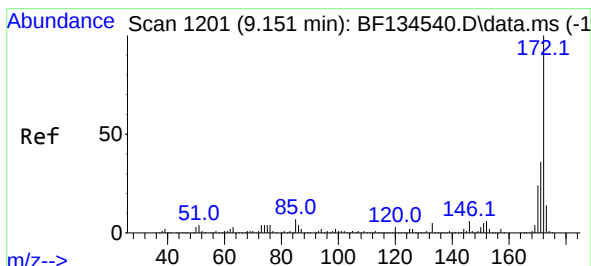
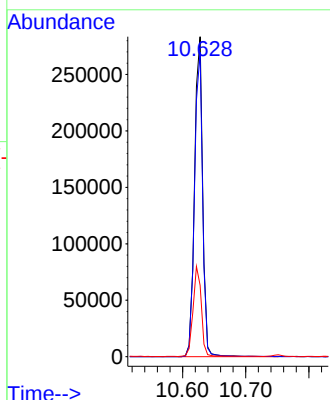
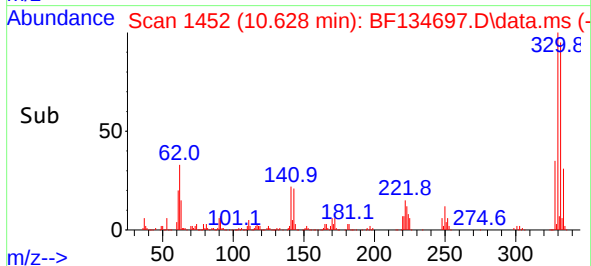


Tgt Ion:330 Resp: 25208
Ion Ratio Lower Upper
330 100
332 95.5 78.8 118.2
141 28.8 25.4 38.2

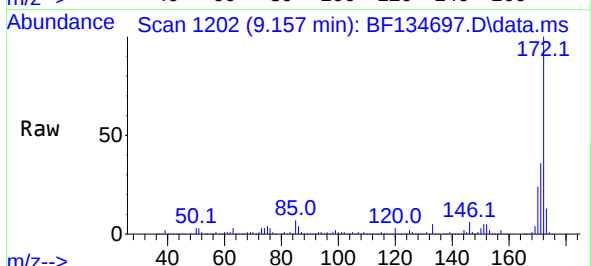
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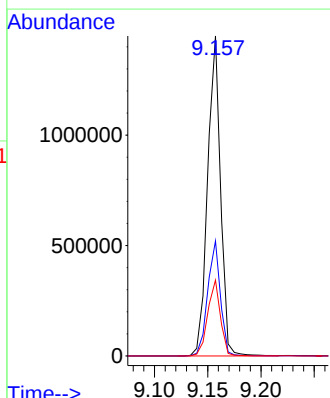
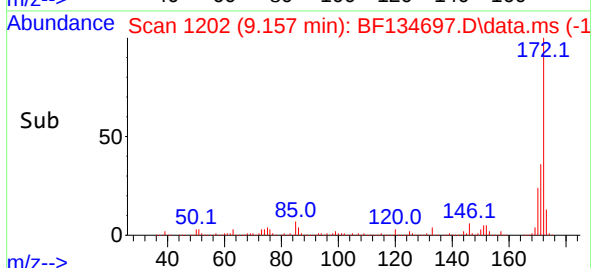
Reviewed By :Yogesh Patel 08/10/2023
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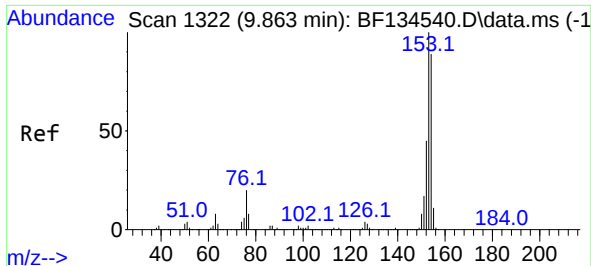


#45
2-Fluorobiphenyl
Concen: 61.588 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02



Tgt Ion:172 Resp: 1225329
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 23.7 18.7 28.1





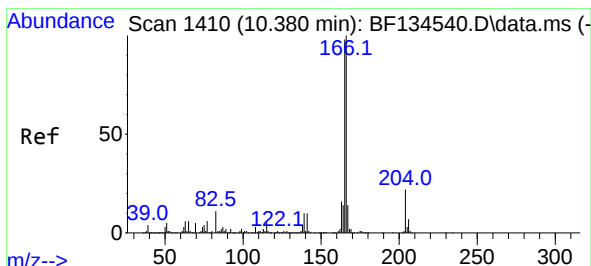
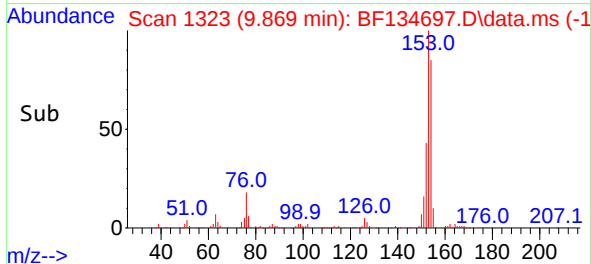
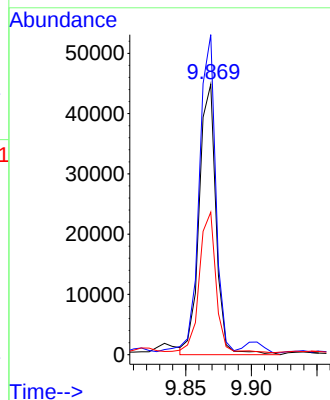
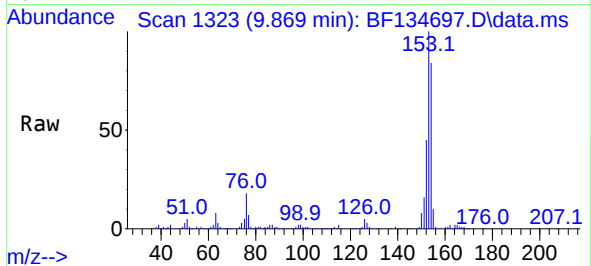
#52
Acenaphthene
Concen: 2.054 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

Instrument :
BNA_F
ClientSampleId :
72-11935

Tgt Ion:154 Resp: 40328
Ion Ratio Lower Upper
154 100
153 118.3 90.0 135.0
152 52.7 42.4 63.6

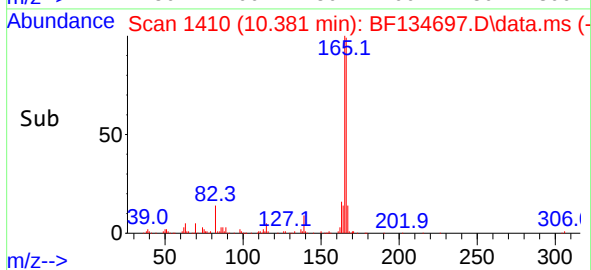
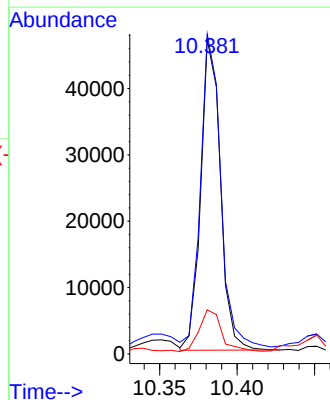
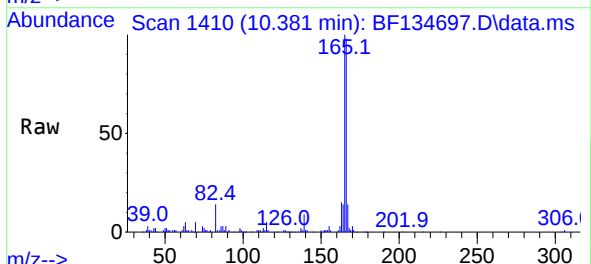
Manual Integrations
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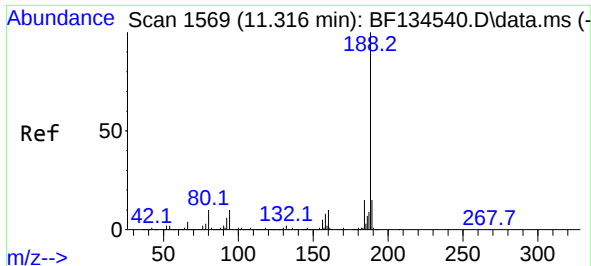
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023



#58
Fluorene
Concen: 2.028 ng
RT: 10.381 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

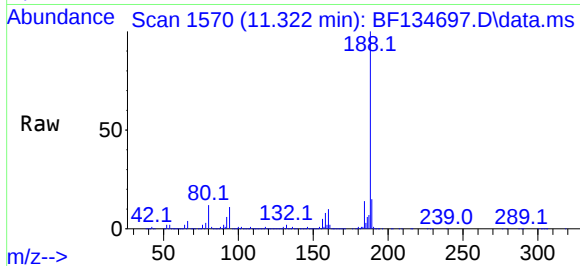
Tgt Ion:166 Resp: 41288
Ion Ratio Lower Upper
166 100
165 101.8 74.5 111.7
167 14.0 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

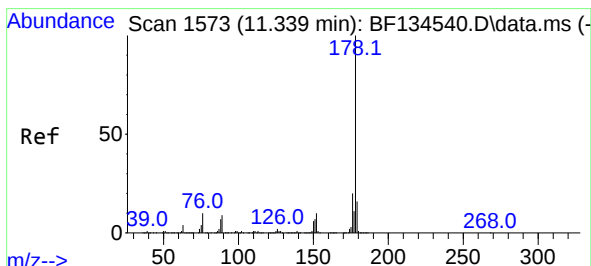
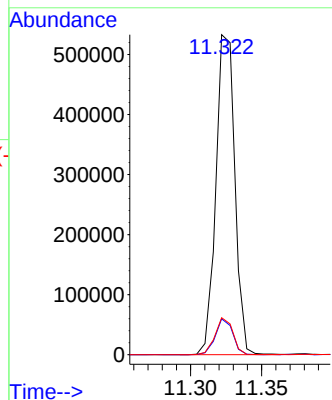
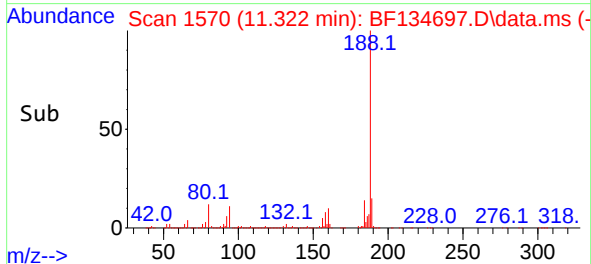
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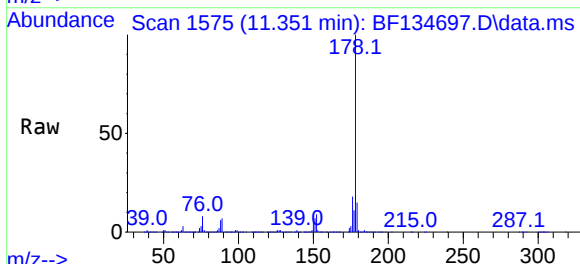
Tgt Ion:188 Resp: 493298
Ion Ratio Lower Upper
188 100
94 11.2 5.1 7.7
80 11.6 6.6 9.8

Manual Integrations
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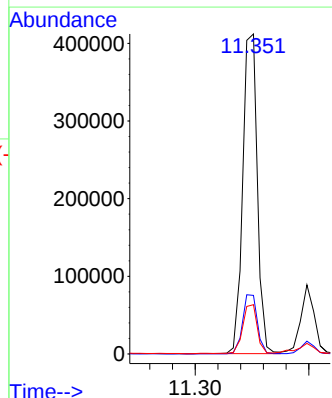
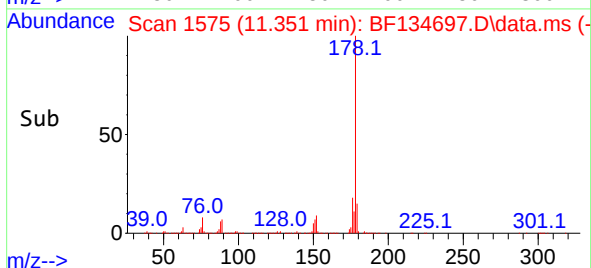
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023

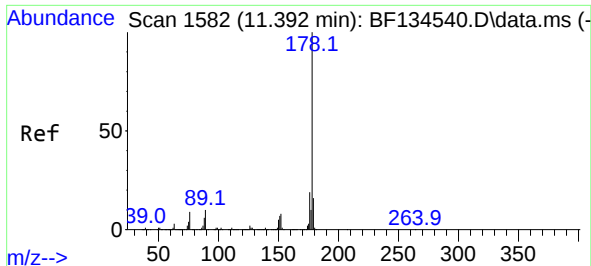


#71
Phenanthrene
Concen: 14.047 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02



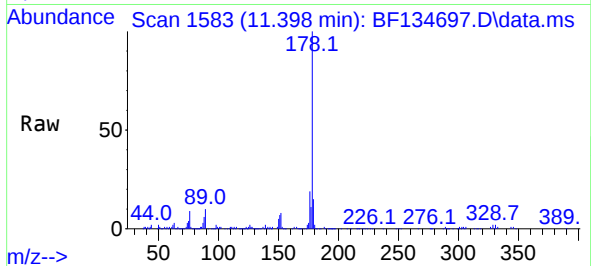
Tgt Ion:178 Resp: 368060
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.6
179 15.4 12.7 19.1





#72
 Anthracene
 Concen: 2.663 ng
 RT: 11.398 min Scan# 1582
 Delta R.T. -0.006 min
 Lab File: BF134697.D
 Acq: 09 Aug 2023 19:02

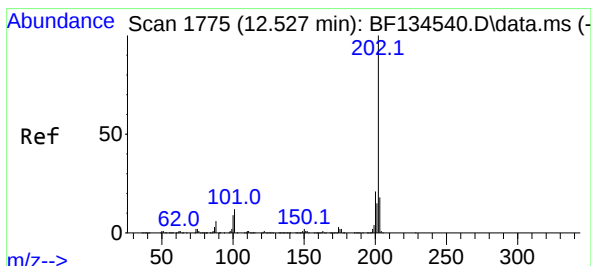
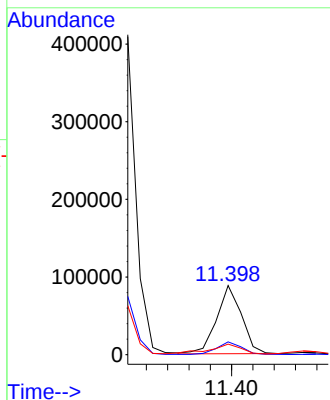
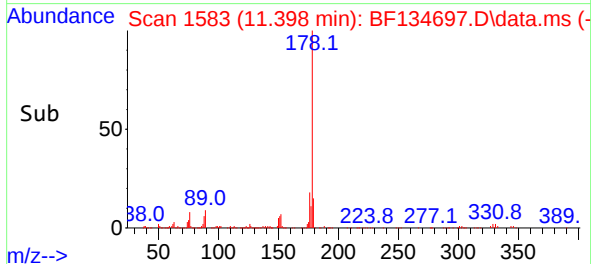
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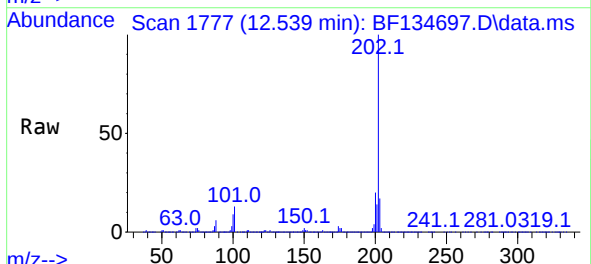
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 Ion Ratio Lower Upper
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 176 18.6 14.6 21.8
 179 15.3 12.3 18.5

Manual Integrations
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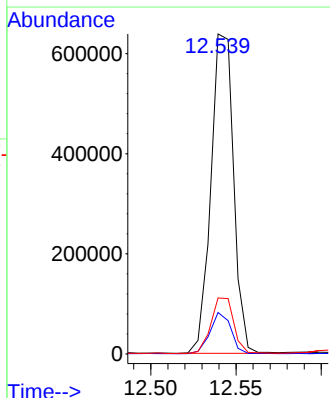
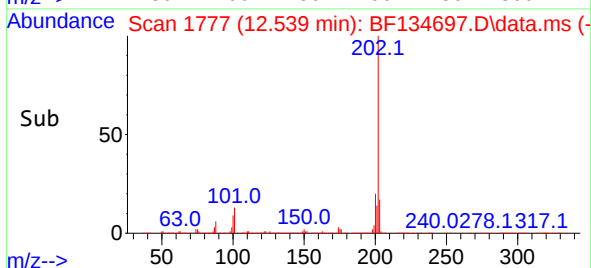
Reviewed By :Yogesh Patel 08/10/2023
 Supervised By :mohammad ahmed 08/10/2023

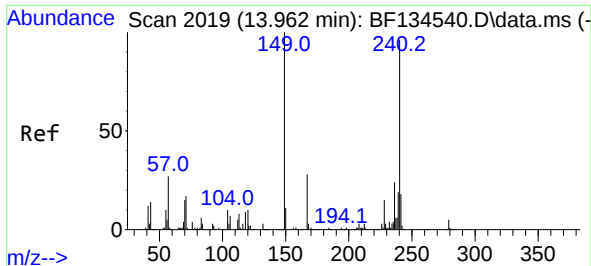


#75
 Fluoranthene
 Concen: 21.351 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: BF134697.D
 Acq: 09 Aug 2023 19:02



Tgt Ion:202 Resp: 590935
 Ion Ratio Lower Upper
 202 100
 101 12.9 0.0 28.5
 203 17.5 0.0 37.5





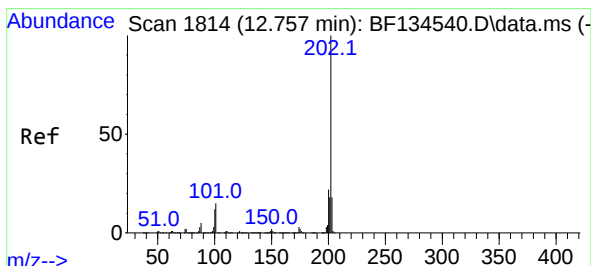
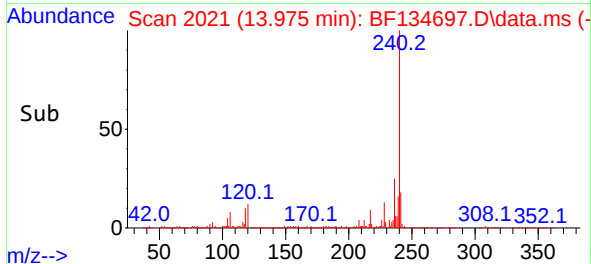
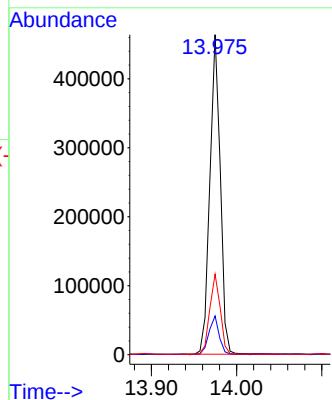
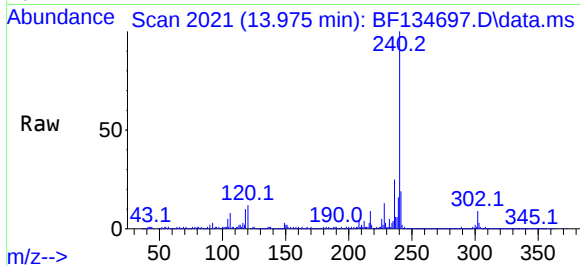
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.975 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

Instrument :
BNA_F
ClientSampleId :
72-11935

Tgt Ion:240 Resp: 39369
Ion Ratio Lower Upper
240 100
120 12.1 6.6 10.0
236 25.1 20.2 30.2

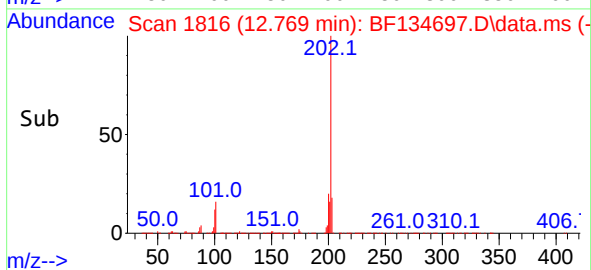
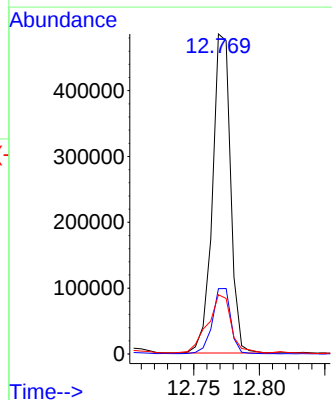
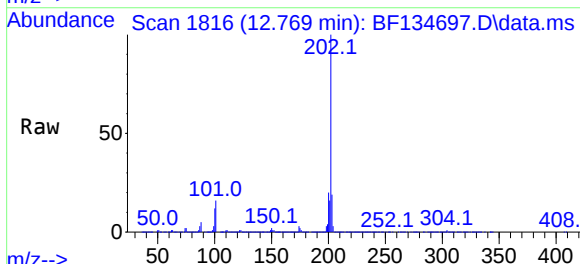
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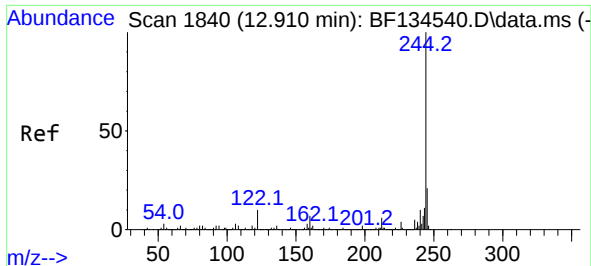
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023



#78
Pyrene
Concen: 13.617 ng
RT: 12.769 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

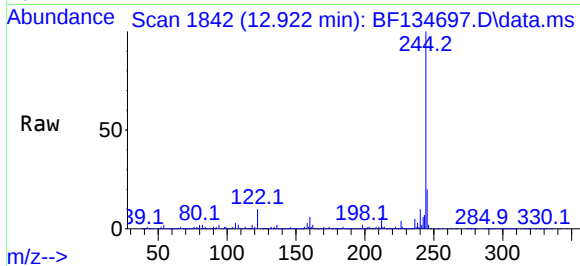
Tgt Ion:202 Resp: 463885
Ion Ratio Lower Upper
202 100
200 20.4 15.8 23.8
203 18.5 13.5 20.3





#79
Terphenyl-d14
Concen: 46.651 ng
RT: 12.922 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

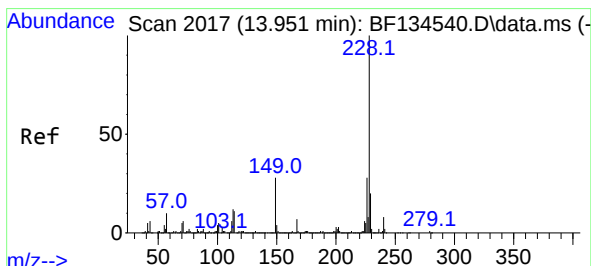
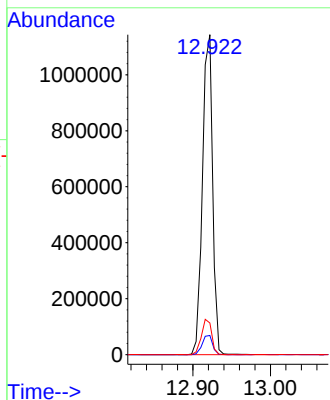
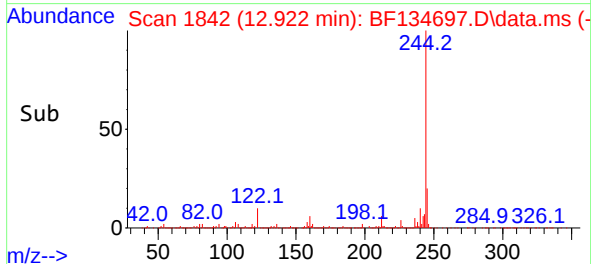
Instrument :
BNA_F
ClientSampleId :
72-11935



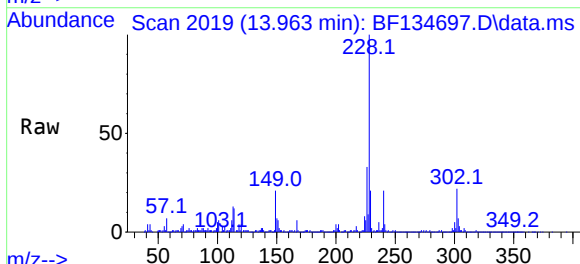
Tgt Ion:244 Resp: 104184
Ion Ratio Lower Upper
244 100
212 6.0 5.6 8.4
122 9.9 8.0 12.0

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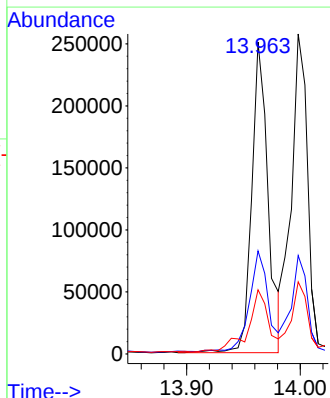
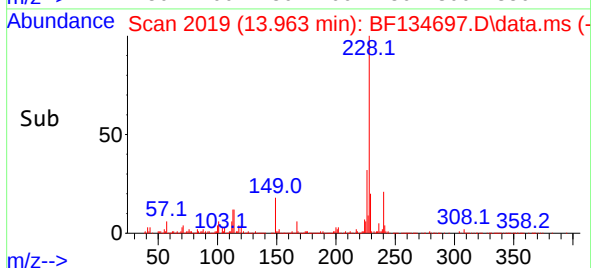
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023

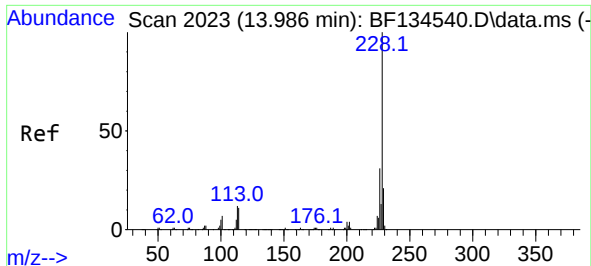


#81
Benzo(a)anthracene
Concen: 8.919 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02



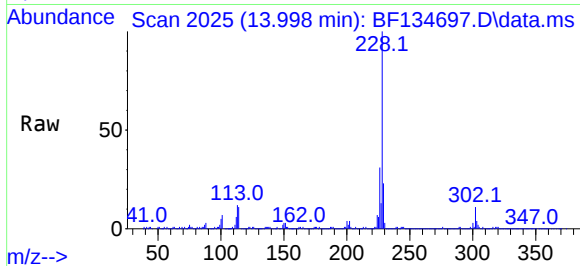
Tgt Ion:228 Resp: 251077
Ion Ratio Lower Upper
228 100
226 33.1 22.3 33.5
229 20.6 15.8 23.6





#83
Chrysene
Concen: 9.531 ng
RT: 13.998 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

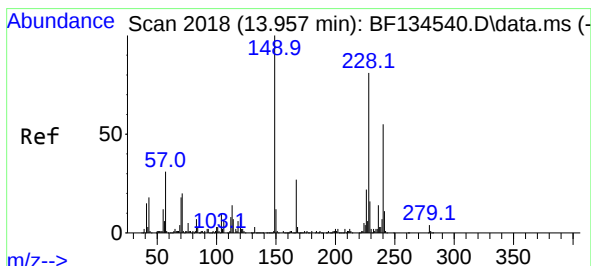
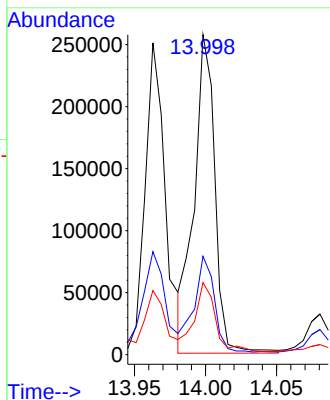
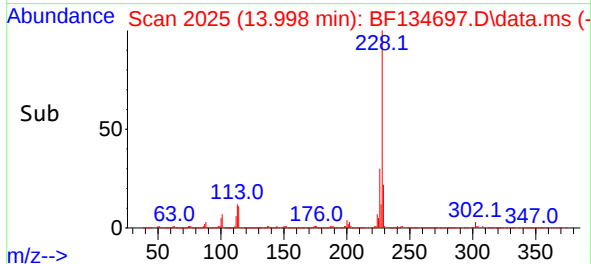
Instrument :
BNA_F
Client Sample Id :
72-11935



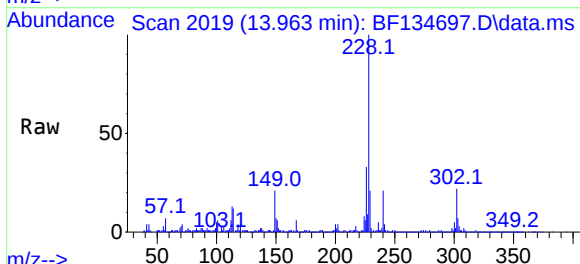
Tgt Ion: 228 Resp: 261394
Ion Ratio Lower Upper
228 100
226 30.8 24.5 36.7
229 22.5 15.8 23.8

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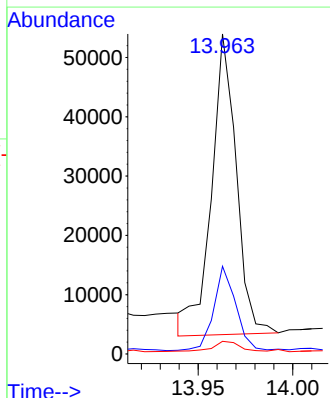
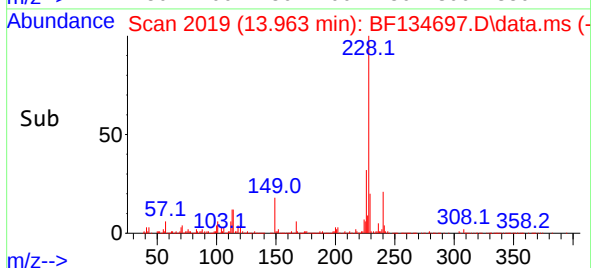
Reviewed By : Yogesh Patel 08/10/2023
Supervised By : mohammad ahmed 08/10/2023

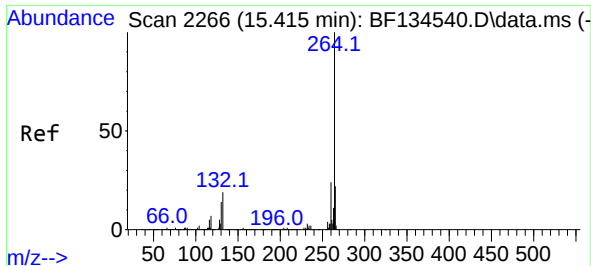


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.402 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02



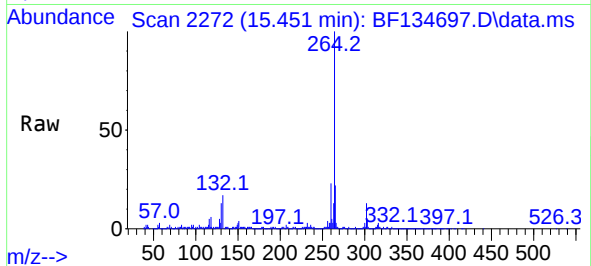
Tgt Ion: 149 Resp: 46121
Ion Ratio Lower Upper
149 100
167 27.4 21.6 32.4
279 3.9 3.5 5.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF134697.D
 Acq: 09 Aug 2023 19:02

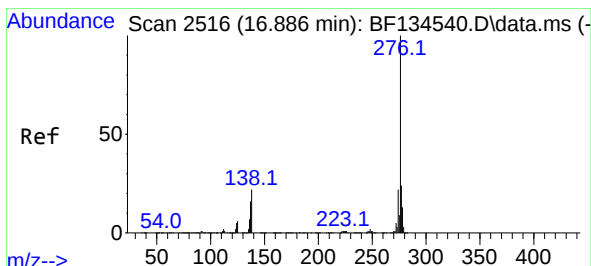
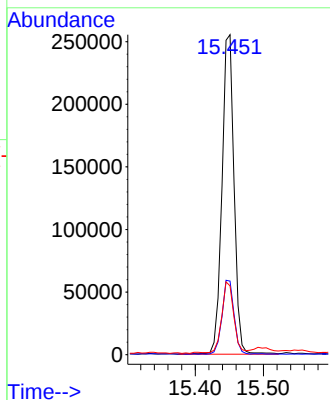
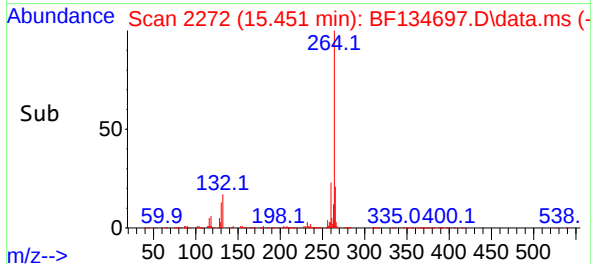
Instrument :
 BNA_F
 ClientSampleId :
 72-11935



Tgt Ion:264 Resp: 31414
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.4 27.6
 265 21.5 15.8 23.8

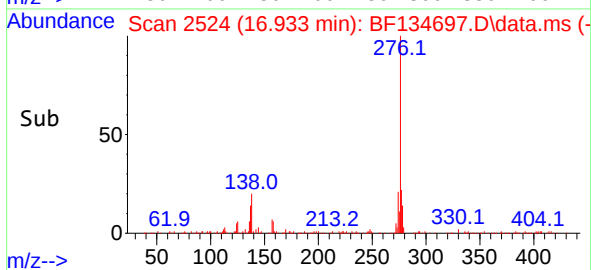
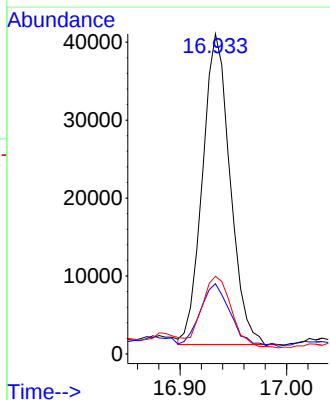
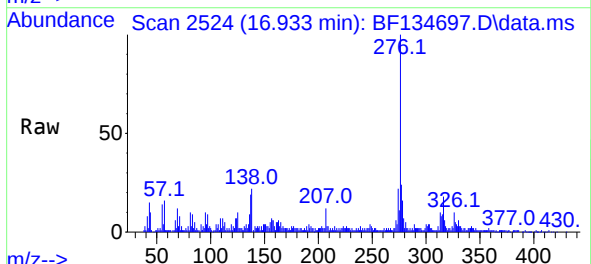
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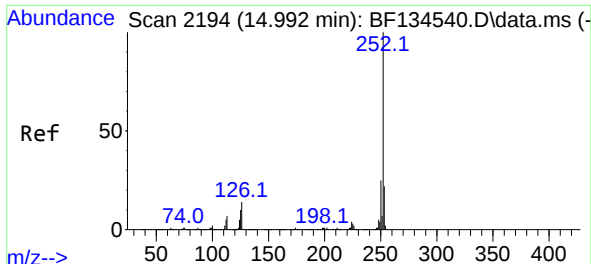
Reviewed By :Yogesh Patel 08/10/2023
 Supervised By :mohammad ahmed 08/10/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.884 ng
 RT: 16.933 min Scan# 2524
 Delta R.T. 0.006 min
 Lab File: BF134697.D
 Acq: 09 Aug 2023 19:02

Tgt Ion:276 Resp: 71760
 Ion Ratio Lower Upper
 276 100
 138 22.1 14.2 21.4#
 277 24.8 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 14.722 ng m

RT: 15.016 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

Instrument :

BNA_F

ClientSampleId :

72-11935

Tgt Ion:252 Resp: 282060

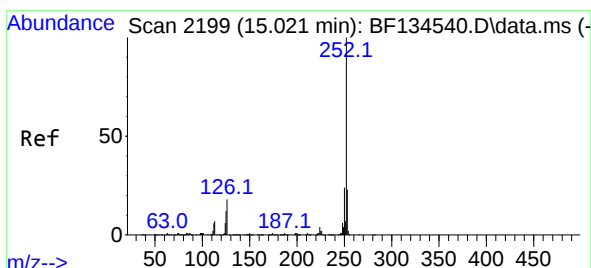
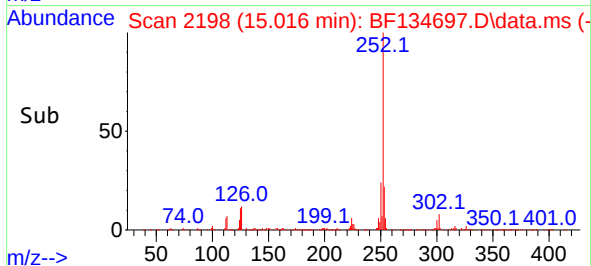
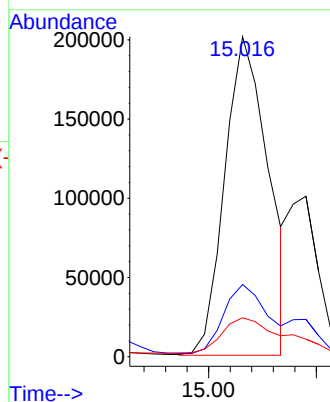
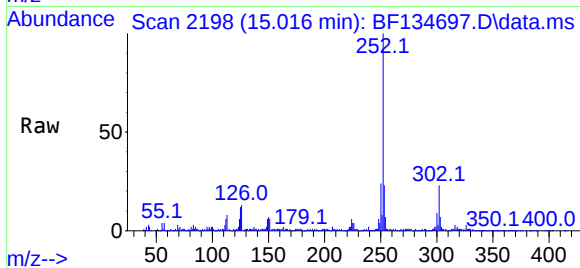
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.3	25.9
125	12.1	6.0	9.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/10/2023

Supervised By :mohammad ahmed 08/10/2023



#89

Benzo(k)fluoranthene

Concen: 4.830 ng m

RT: 15.045 min Scan# 2203

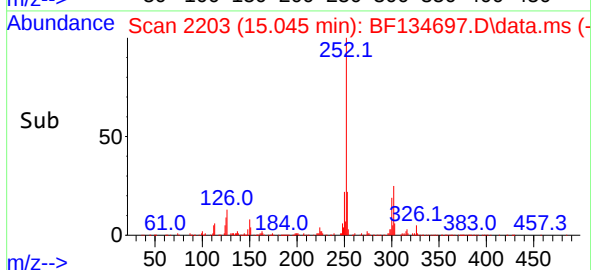
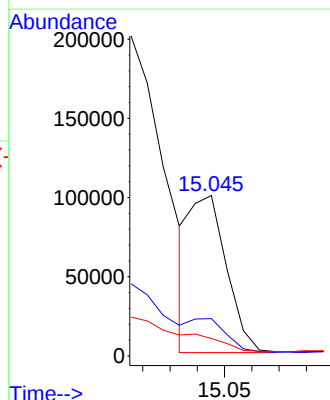
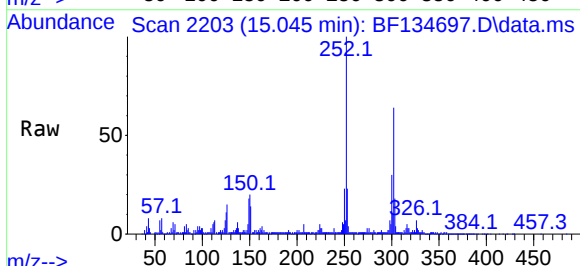
Delta R.T. 0.006 min

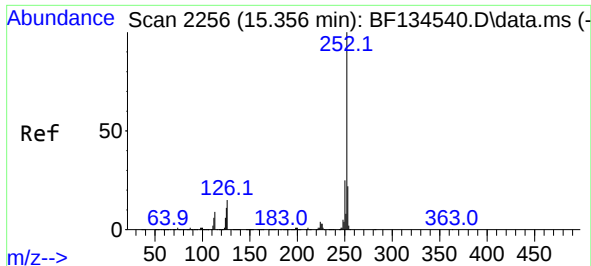
Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

Tgt Ion:252 Resp: 92189

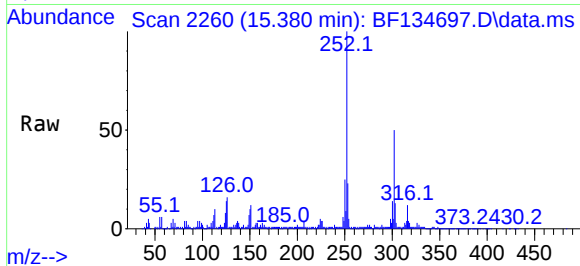
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	10.8	6.3	9.5





#90
Benzo(a)pyrene
Concen: 8.088 ng
RT: 15.380 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

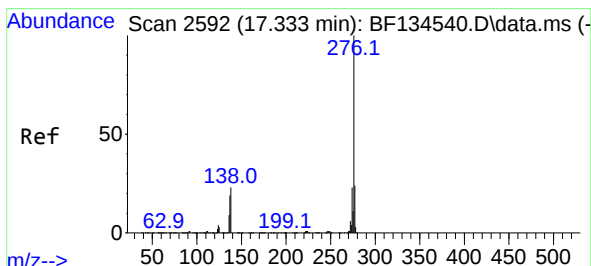
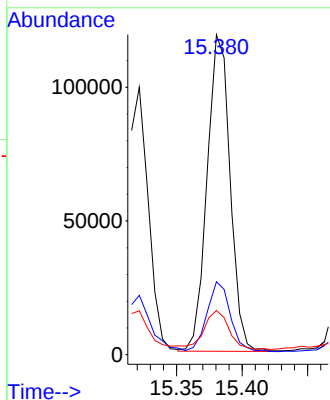
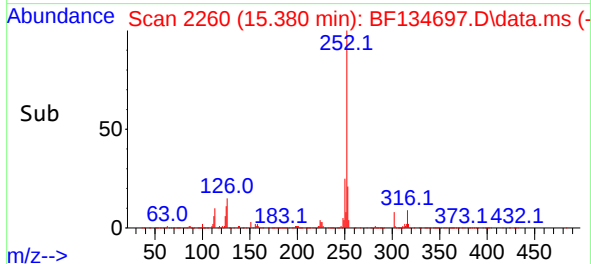
Instrument :
BNA_F
ClientSampleId :
72-11935



Tgt Ion:252 Resp: 144480
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.4
125 13.8 6.2 9.4

Manual Integrations
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Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023



#92
Benzo(g,h,i)perylene
Concen: 4.314 ng
RT: 17.386 min Scan# 2601
Delta R.T. 0.012 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

Tgt Ion:276 Resp: 65712
Ion Ratio Lower Upper
276 100
277 26.1 19.0 28.6
138 25.6 12.2 18.2

