

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072423\
 Data File : BF134453.D
 Acq On : 25 Jul 2023 04:12
 Operator : CG\JU
 Sample : 03685-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24152

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/25/2023
 Supervised By :mohammad ahmed 07/25/2023

Quant Time: Jul 25 05:01:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:46:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	55839	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	210660	20.000	ng	# 0.00
39) Acenaphthene-d10	9.874	164	93089	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	134073	20.000	ng	# 0.03
76) Chrysene-d12	14.045	240	131035	20.000	ng	# 0.01
86) Perylene-d12	15.545	264	110097	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	258391	76.454	ng	0.00
7) Phenol-d6	6.475	99	306303	73.972	ng	0.00
23) Nitrobenzene-d5	7.398	82	207203	49.764	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	101684	76.880	ng	0.01
45) 2-Fluorobiphenyl	9.186	172	460964	65.008	ng	0.00
79) Terphenyl-d14	12.998	244	400225	53.318	ng	0.04
Target Compounds						Qvalue
49) Acenaphthylene	9.733	152	26032	2.724	ng	# 64
71) Phenanthrene	11.427	178	146930	20.975	ng	# 71
72) Anthracene	11.480	178	31032	4.292	ng	# 7
75) Fluoranthene	12.639	202	365797	44.806	ng	94
78) Pyrene	12.868	202	367606	35.283	ng	# 96
81) Benzo(a)anthracene	14.033	228	181942	19.902	ng	97
83) Chrysene	14.074	228	229298	26.223	ng	97
84) Bis(2-ethylhexyl)phtha...	14.010	149	36980	7.294	ng	96
87) Indeno(1,2,3-cd)pyrene	17.086	276	106192	14.764	ng	96
88) Benzo(b)fluoranthene	15.104	252	283296m	41.131	ng	
89) Benzo(k)fluoranthene	15.127	252	77698m	11.471	ng	
90) Benzo(a)pyrene	15.480	252	137115	21.537	ng	# 96
91) Dibenzo(a,h)anthracene	17.086	278	25672m	4.420	ng	
92) Benzo(g,h,i)perylene	17.556	276	105678	17.718	ng	97

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

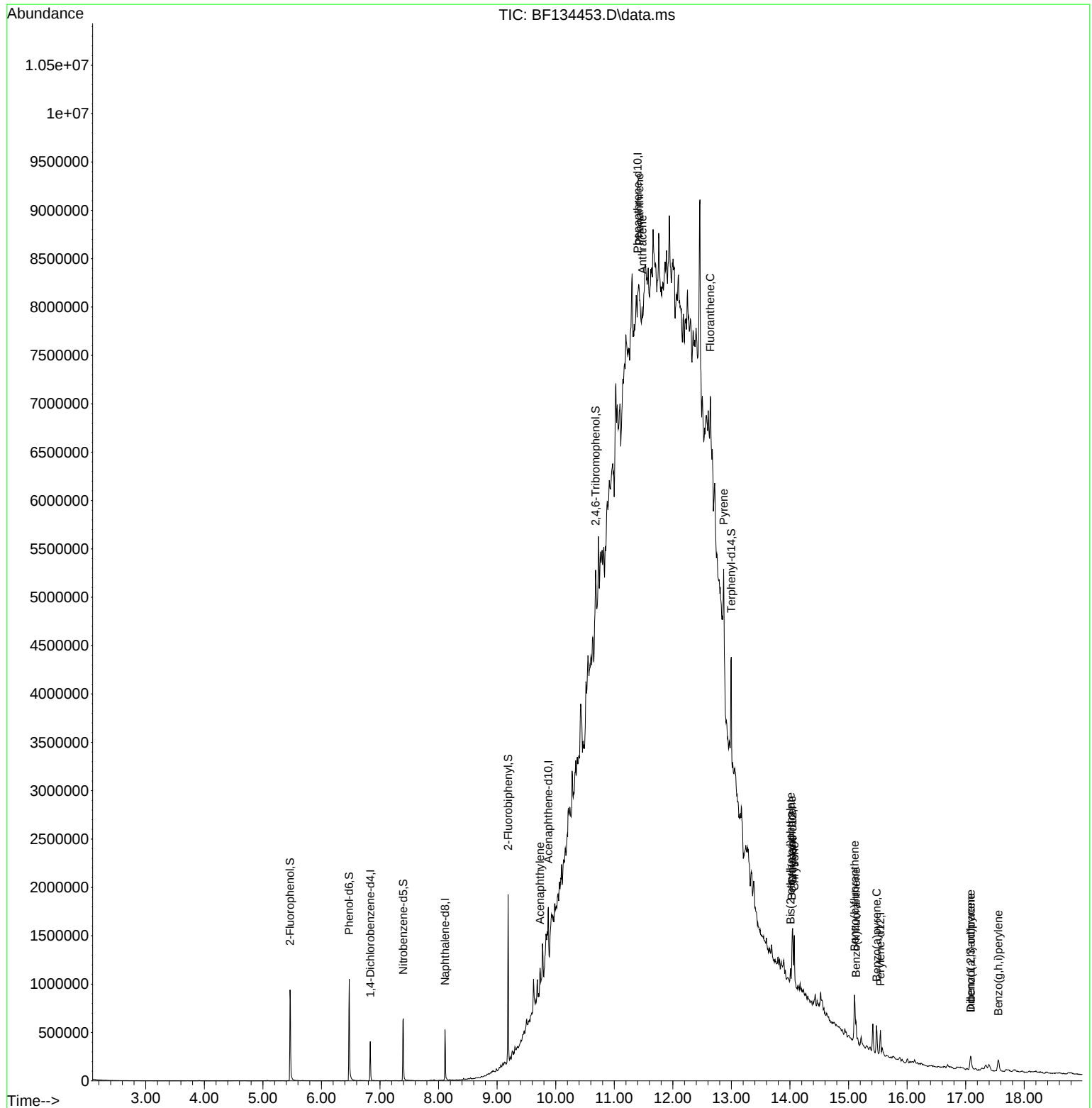
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072423\
Data File : BF134453.D
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ALS Vial : 17 Sample Multiplier: 1

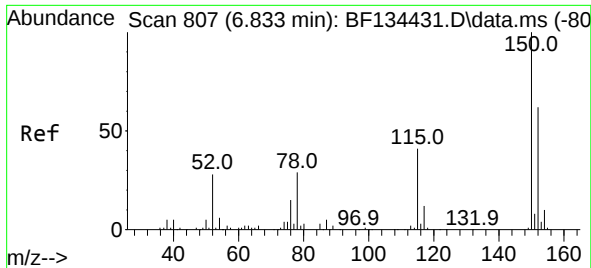
Instrument :
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Quant Time: Jul 25 05:01:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
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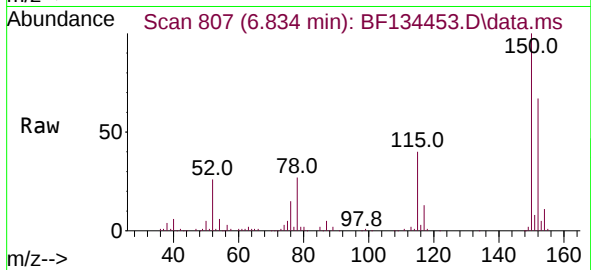
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. 0.001 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Instrument :

BNA_F

ClientSampleId :

CHRT-24152

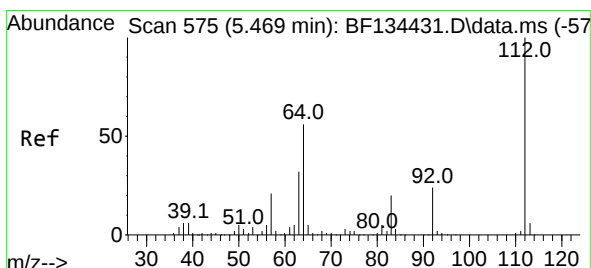
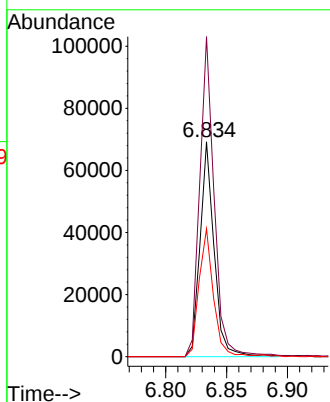
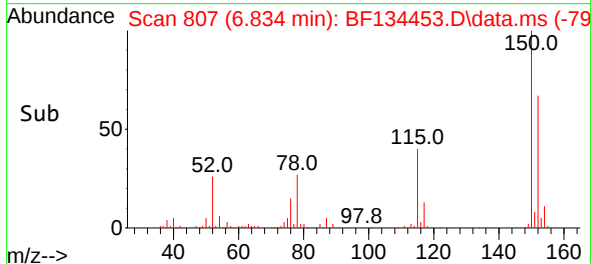


Tgt Ion:152 Resp: 55839
Ion Ratio Lower Upper
152 100
150 148.9 128.3 192.5
115 59.5 52.4 78.6

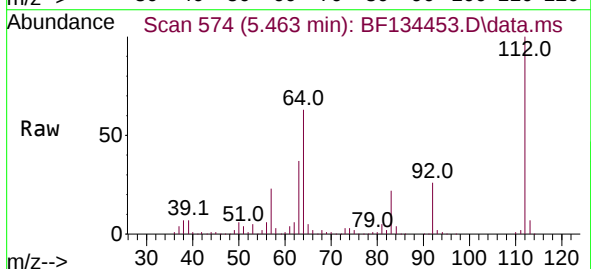
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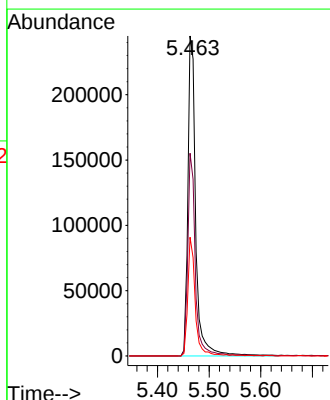
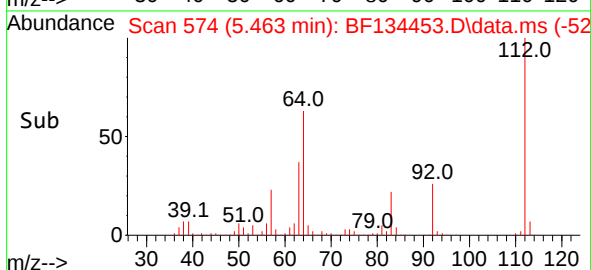
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

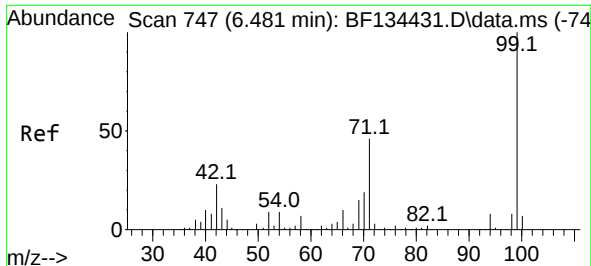


#5
2-Fluorophenol
Concen: 76.454 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.006 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12



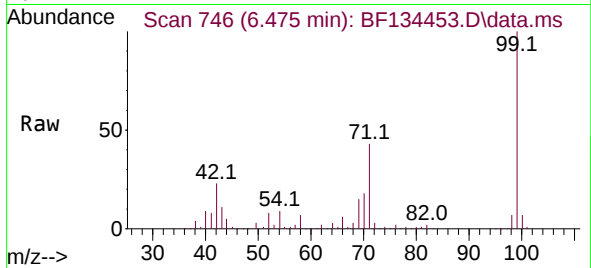
Tgt Ion:112 Resp: 258391
Ion Ratio Lower Upper
112 100
64 63.4 44.9 67.3
63 37.1 25.4 38.0





#7
Phenol-d6
Concen: 73.972 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

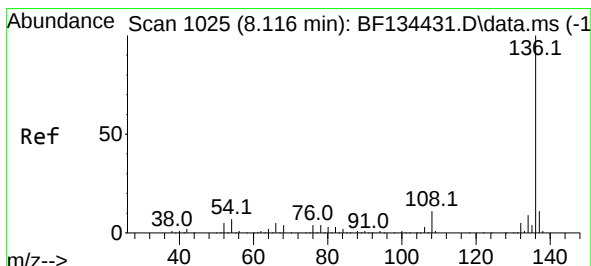
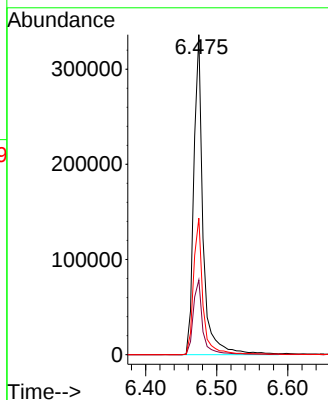
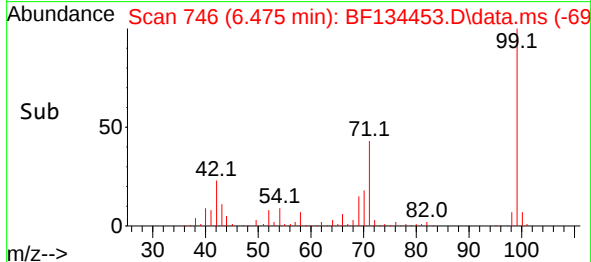
Instrument :
BNA_F
ClientSampleId :
CHRT-24152



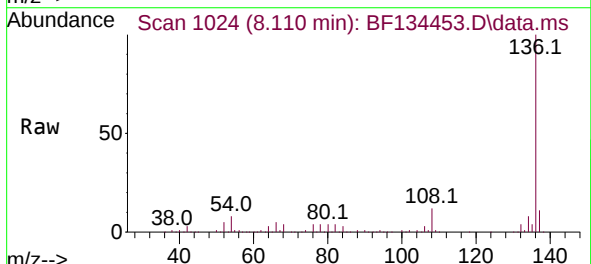
Tgt Ion: 99 Resp: 30630
Ion Ratio Lower Upper
99 100
42 23.4 18.7 28.1
71 42.7 36.4 54.6

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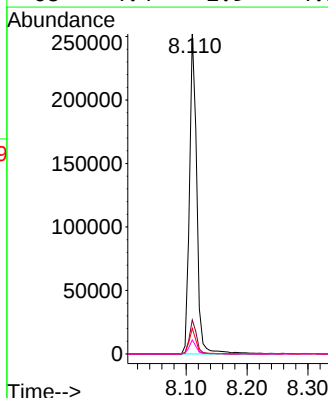
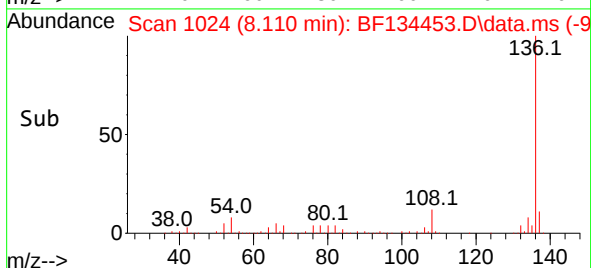
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

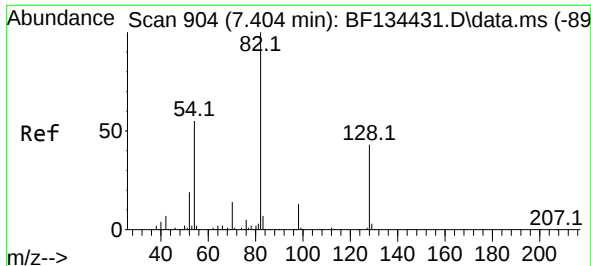


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12



Tgt Ion:136 Resp: 210660
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 8.0 5.2 7.8#
68 4.4 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 49.764 ng
RT: 7.398 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Instrument :

BNA_F

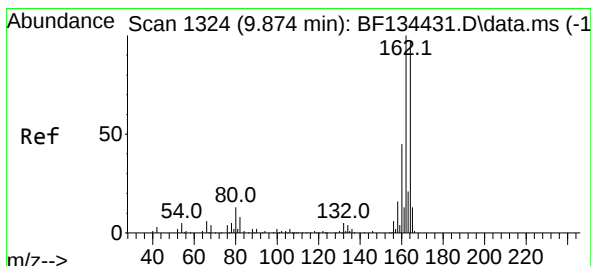
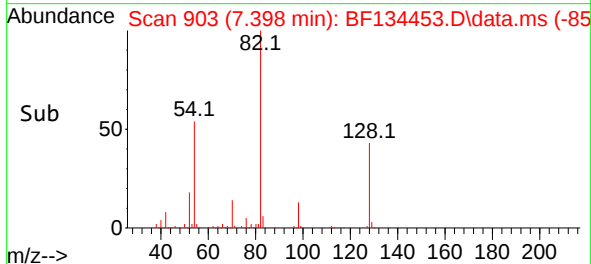
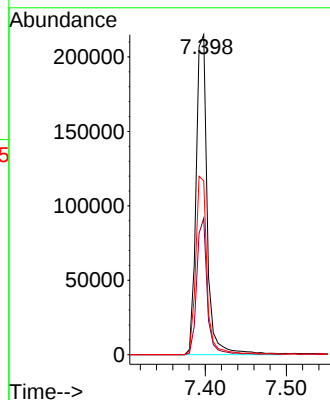
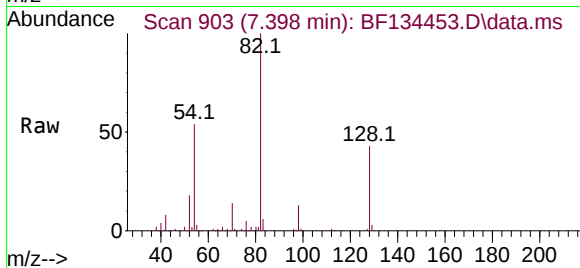
ClientSampleId :

CHRT-24152

Tgt Ion: 82 Resp: 20720
Ion Ratio Lower Upper
82 100
128 42.6 34.3 51.5
54 54.3 43.8 65.6

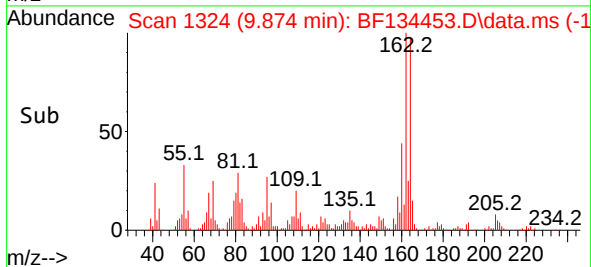
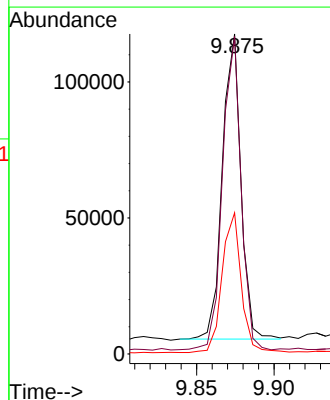
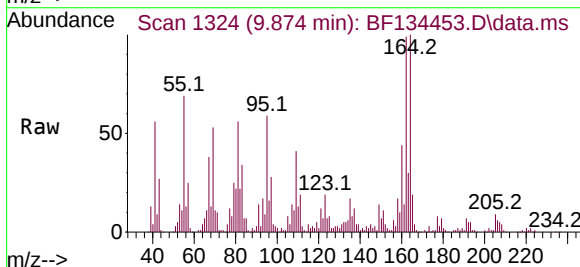
Manual Integrations
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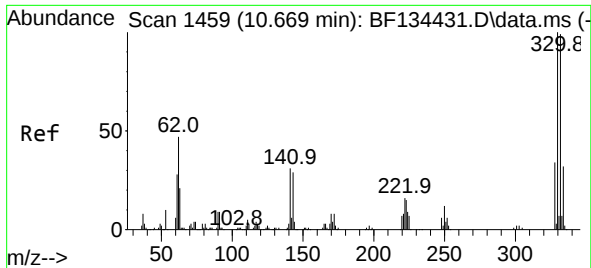
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Tgt Ion:164 Resp: 93089
Ion Ratio Lower Upper
164 100
162 99.2 82.6 123.8
160 44.1 37.2 55.8





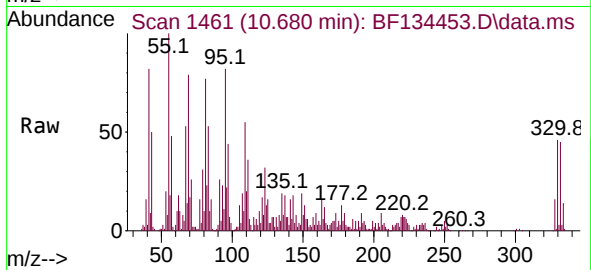
#42
2,4,6-Tribromophenol
Concen: 76.880 ng
RT: 10.680 min Scan# 1459
Delta R.T. 0.012 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Instrument :

BNA_F

ClientSampleId :

CHRT-24152



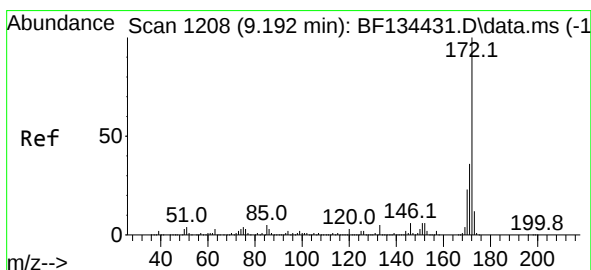
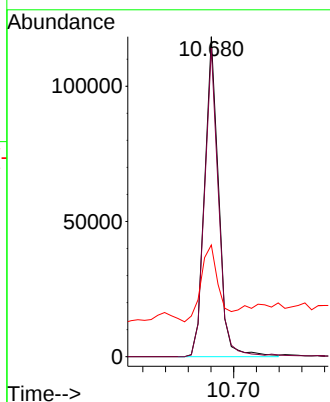
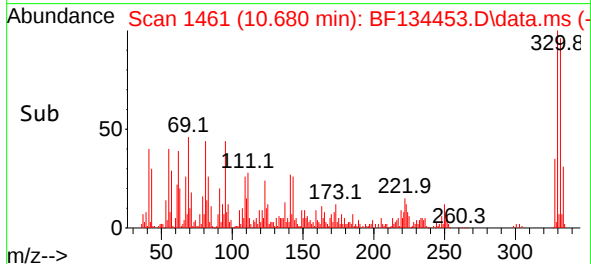
Tgt Ion:330 Resp: 101684
Ion Ratio Lower Upper
330 100
332 95.7 78.8 118.2
141 29.6 25.4 38.2

Manual Integrations

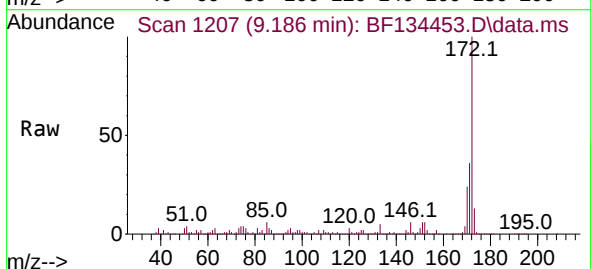
APPROVED

Reviewed By :Yogesh Patel 07/25/2023

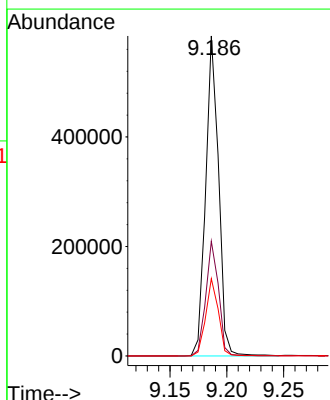
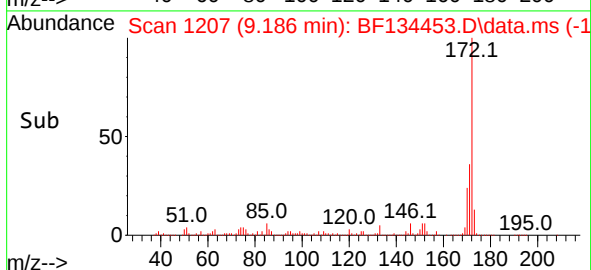
Supervised By :mohammad ahmed 07/25/2023

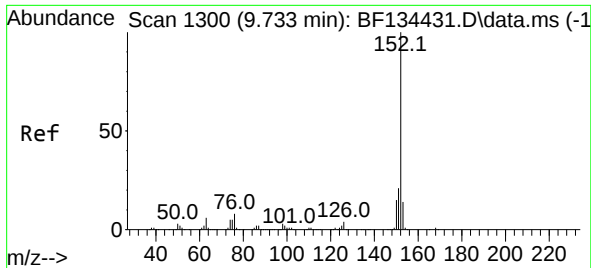


#45
2-Fluorobiphenyl
Concen: 65.008 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12



Tgt Ion:172 Resp: 460964
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 24.1 18.7 28.1





#49
Acenaphthylene
Concen: 2.724 ng
RT: 9.733 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Instrument :

BNA_F

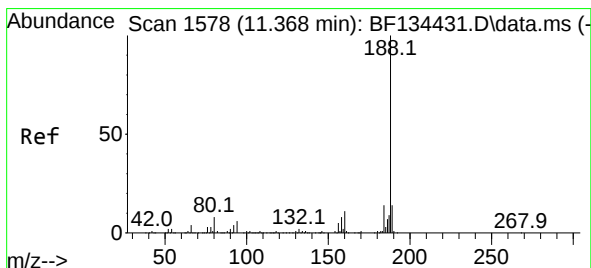
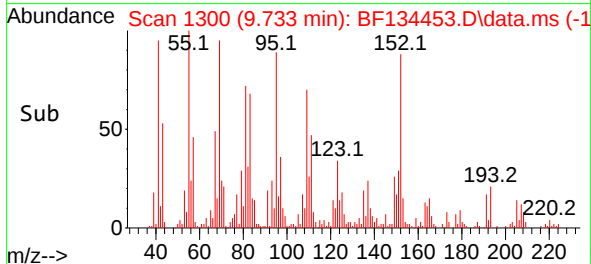
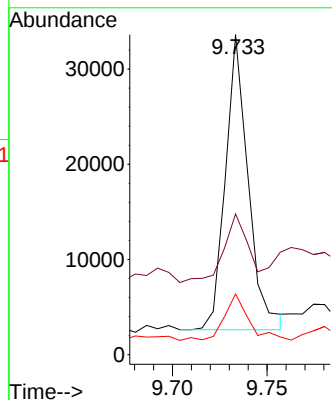
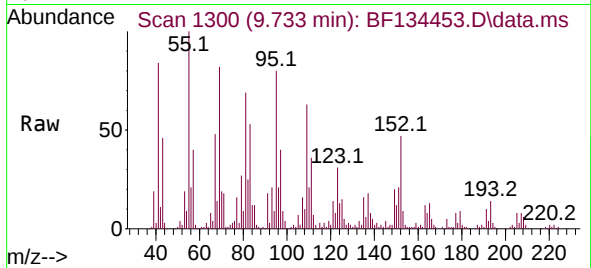
ClientSampleId :

CHRT-24152

Tgt Ion:152 Resp: 2603
Ion Ratio Lower Upper
152 100
151 44.0 16.4 24.6
153 19.0 10.9 16.3

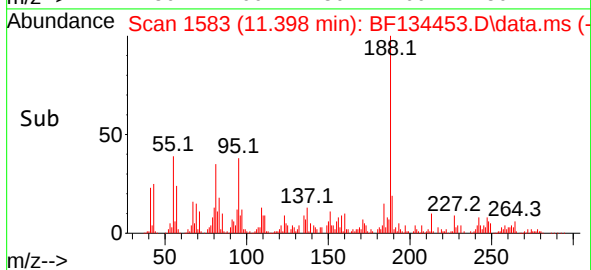
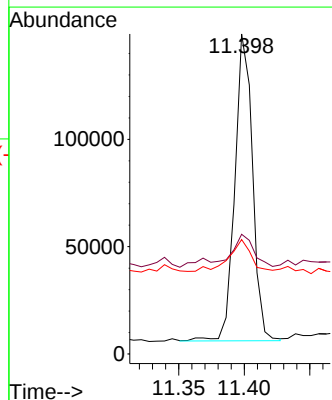
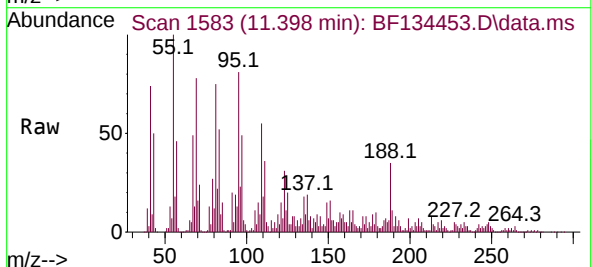
Manual Integrations
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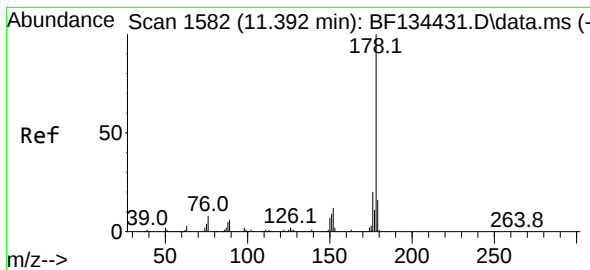
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.029 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Tgt Ion:188 Resp: 134073
Ion Ratio Lower Upper
188 100
94 37.4 5.1 7.7#
80 35.7 6.6 9.8#





#71

Phenanthrene

Concen: 20.975 ng

RT: 11.427 min Scan# 1588

Delta R.T. 0.035 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

Instrument :

BNA_F

ClientSampleId :

CHRT-24152

Tgt Ion:178 Resp: 146930

Ion Ratio Lower Upper

178 100

176 22.8 15.8 23.6

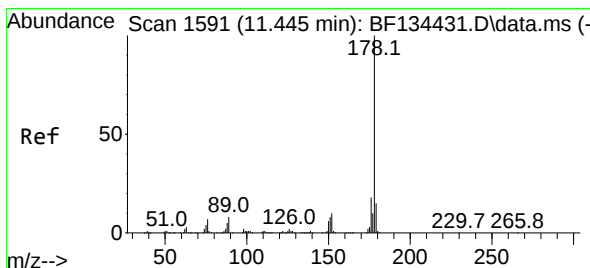
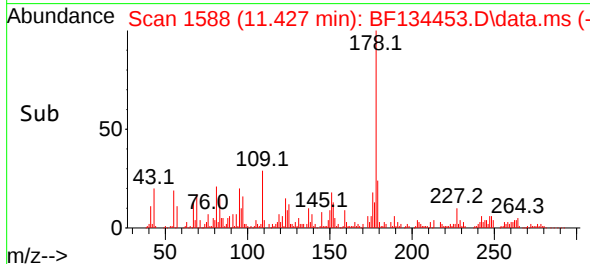
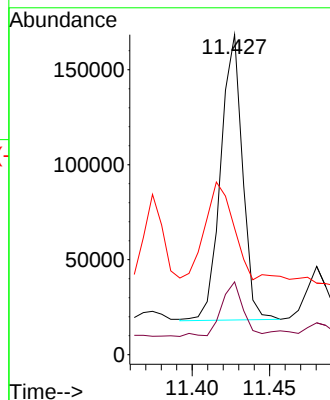
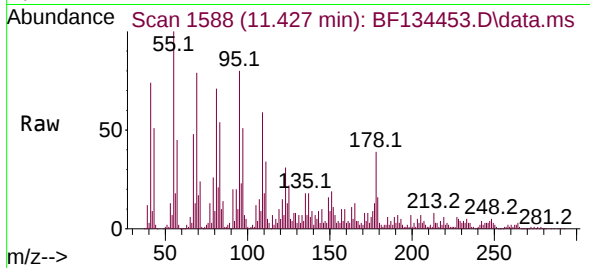
179 39.5 12.7 19.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/25/2023

Supervised By :mohammad ahmed 07/25/2023



#72

Anthracene

Concen: 4.292 ng

RT: 11.480 min Scan# 1597

Delta R.T. 0.035 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

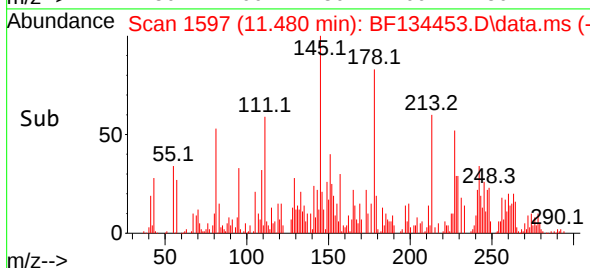
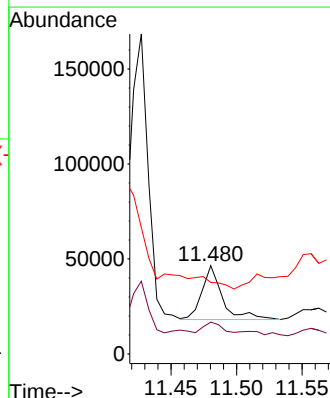
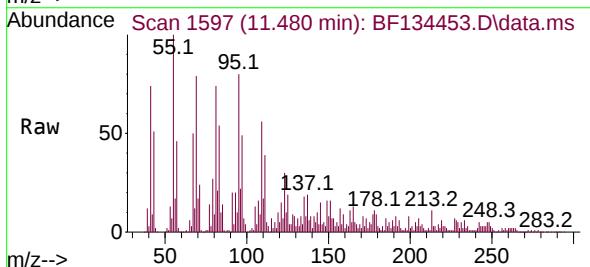
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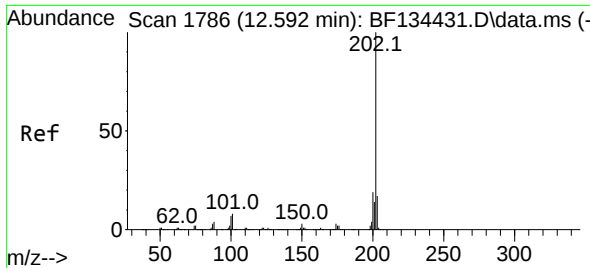
Ion Ratio Lower Upper

178 100

176 36.1 14.6 21.8#

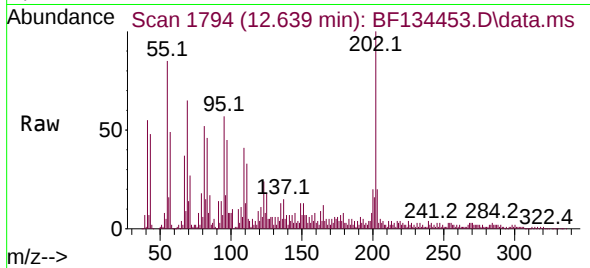
179 80.9 12.3 18.5#





#75
Fluoranthene
Concen: 44.806 ng
RT: 12.639 min Scan# 1786
Delta R.T. 0.047 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

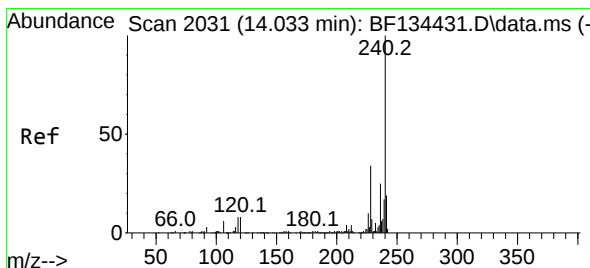
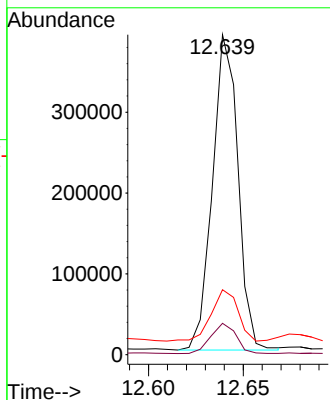
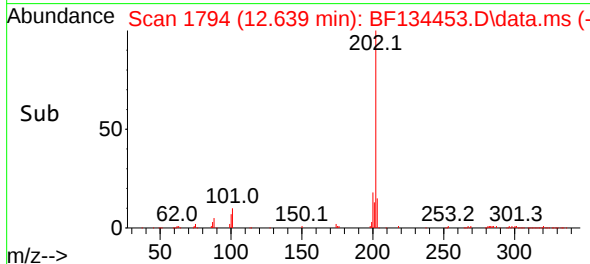
Instrument :
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CHRT-24152



Tgt Ion:202 Resp: 36579
Ion Ratio Lower Upper
202 100
101 9.8 0.0 28.5
203 20.3 0.0 37.5

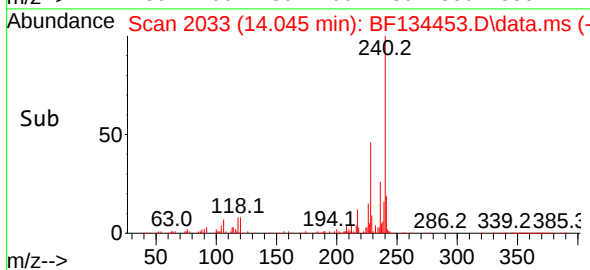
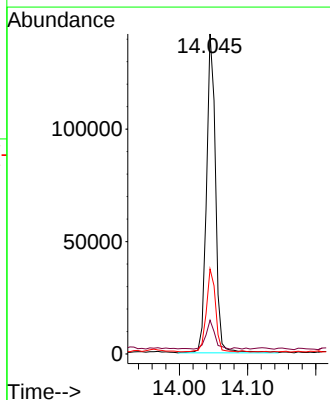
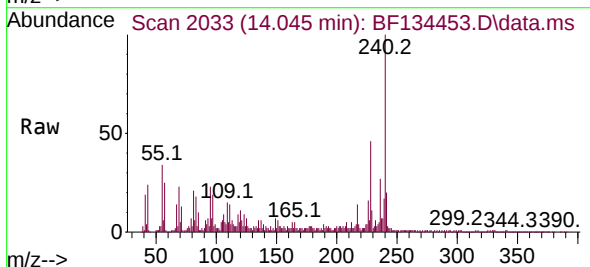
Manual Integrations
APPROVED

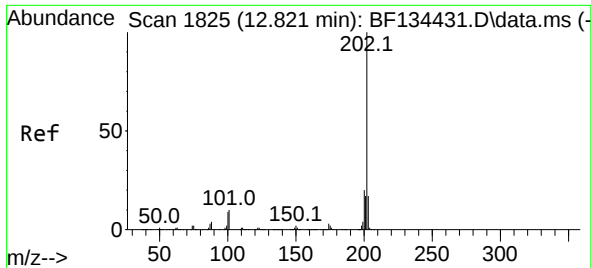
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.012 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

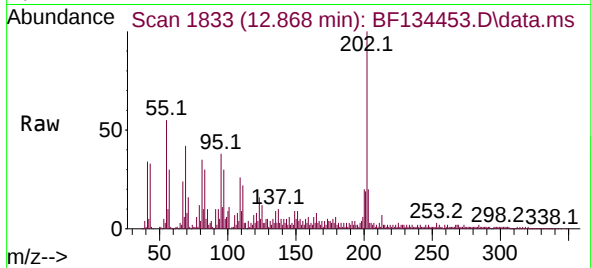
Tgt Ion:240 Resp: 131035
Ion Ratio Lower Upper
240 100
120 10.6 6.6 10.0#
236 26.5 20.2 30.2





#78
Pyrene
Concen: 35.283 ng
RT: 12.868 min Scan# 1833
Delta R.T. 0.047 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

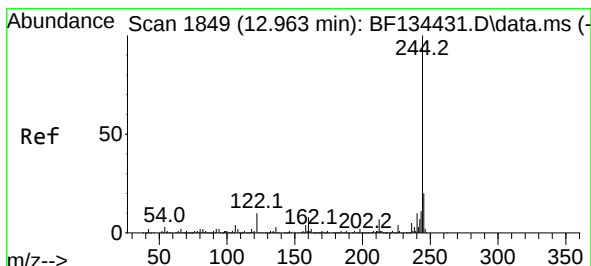
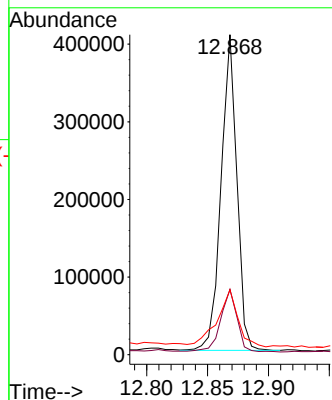
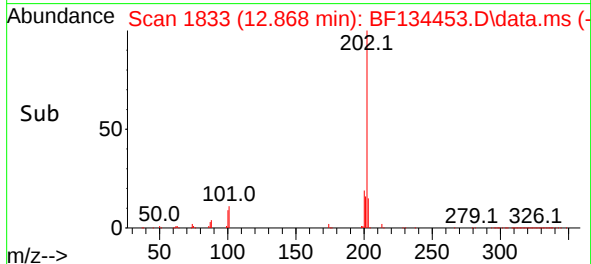
Instrument :
BNA_F
ClientSampleId :
CHRT-24152



Tgt Ion:202 Resp: 367600
Ion Ratio Lower Upper
202 100
200 20.4 15.8 23.8
203 20.3 13.5 20.3

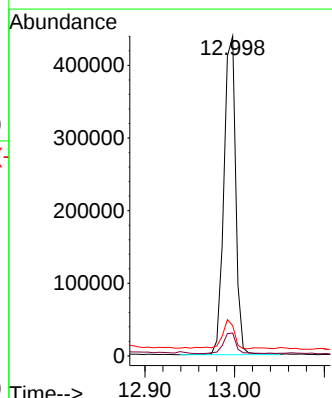
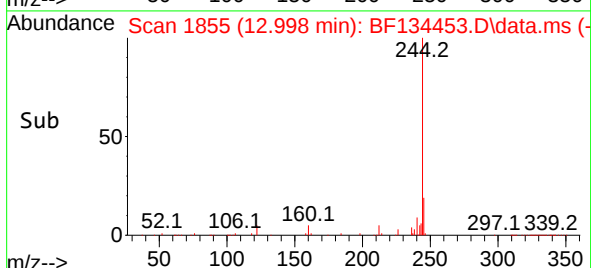
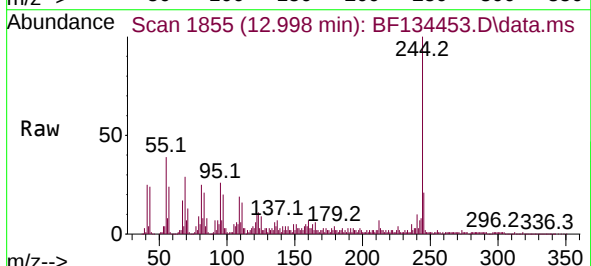
Manual Integrations
APPROVED

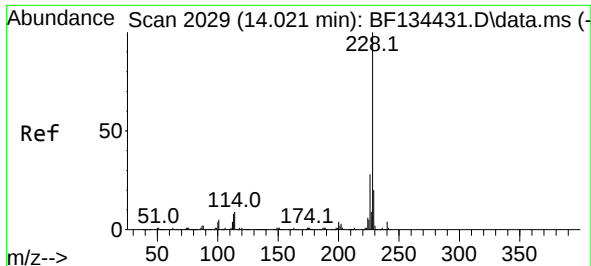
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#79
Terphenyl-d14
Concen: 53.318 ng
RT: 12.998 min Scan# 1855
Delta R.T. 0.035 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Tgt Ion:244 Resp: 400225
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 9.5 8.0 12.0





#81
Benzo(a)anthracene
Concen: 19.902 ng
RT: 14.033 min Scan# 2029
Delta R.T. 0.012 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Instrument :

BNF_F

ClientSampleId :

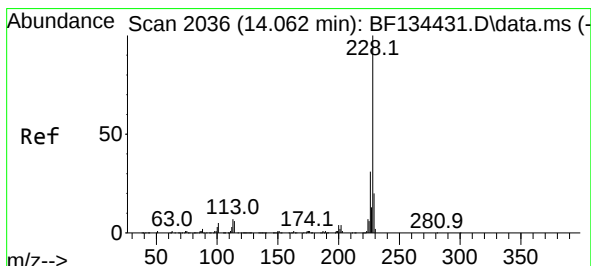
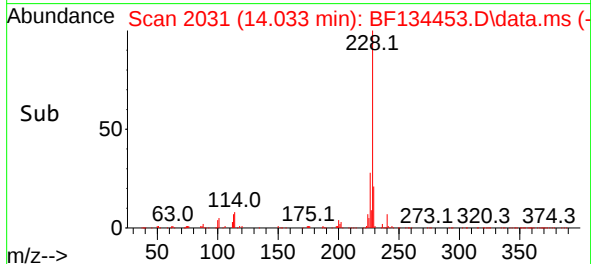
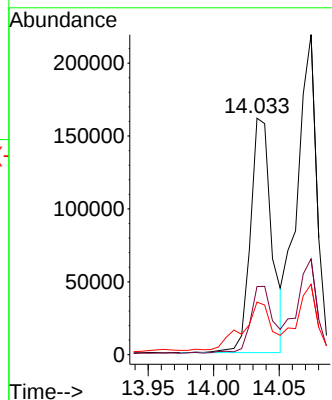
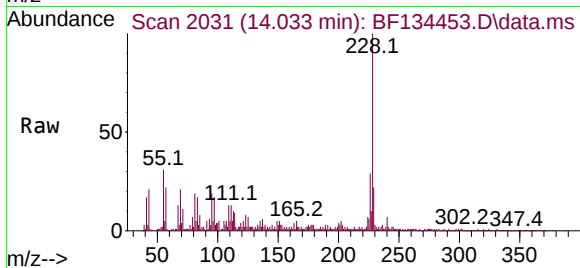
CHRT-24152

Tgt Ion:228 Resp: 18194
Ion Ratio Lower Upper
228 100
226 28.9 22.3 33.5
229 22.2 15.8 23.6

Manual Integrations

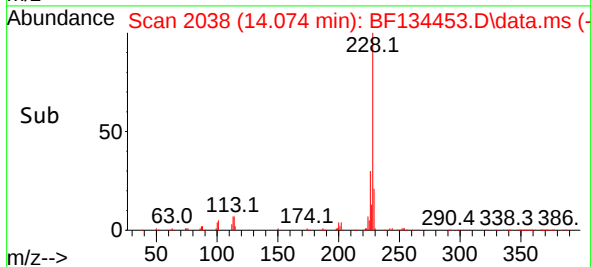
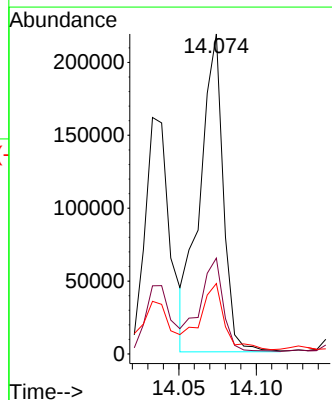
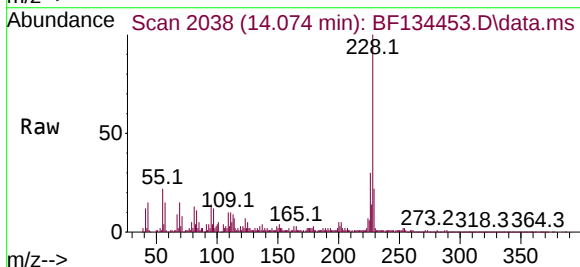
APPROVED

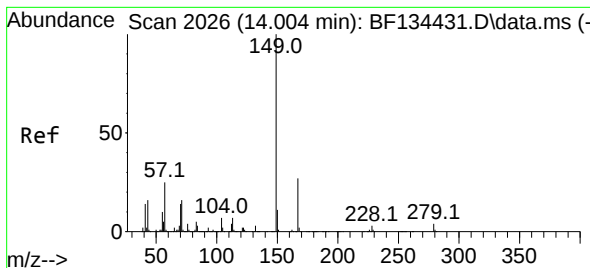
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#83
Chrysene
Concen: 26.223 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.012 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Tgt Ion:228 Resp: 229298
Ion Ratio Lower Upper
228 100
226 29.9 24.5 36.7
229 22.0 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.294 ng

RT: 14.010 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

Instrument :

BNA_F

ClientSampleId :

CHRT-24152

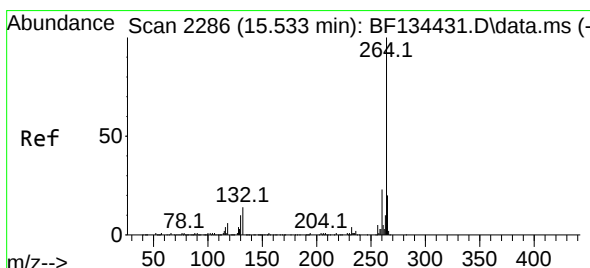
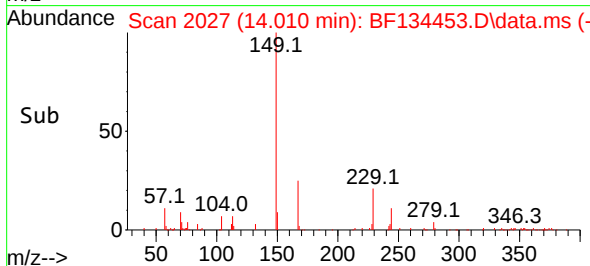
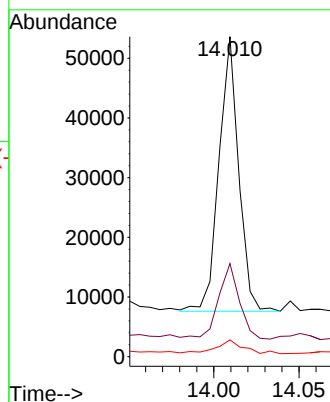
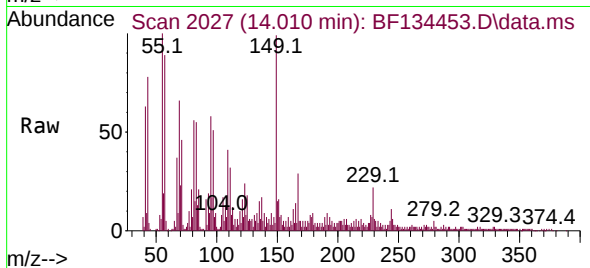
Tgt Ion:149 Resp: 36980
 Ion Ratio Lower Upper
 149 100
 167 29.1 21.6 32.4
 279 5.3 3.5 5.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/25/2023

Supervised By :mohammad ahmed 07/25/2023



#86

Perylene-d12

Concen: 20.000 ng

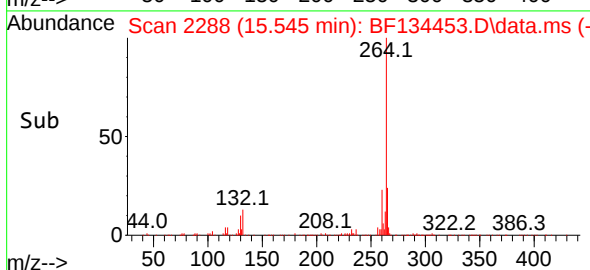
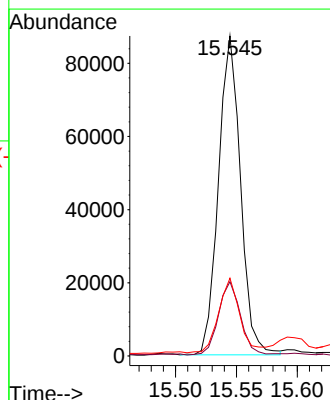
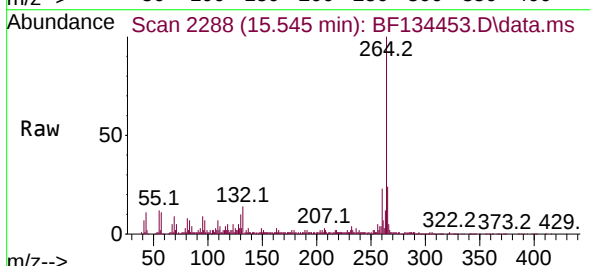
RT: 15.545 min Scan# 2286

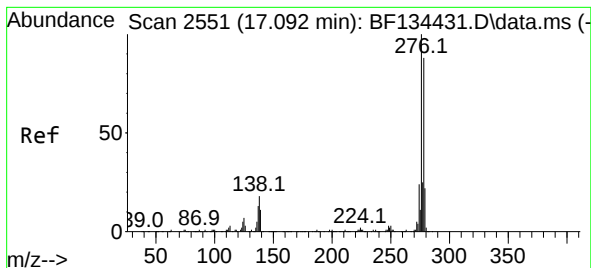
Delta R.T. 0.012 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

Tgt Ion:264 Resp: 110097
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.4 27.6
 265 24.3 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.764 ng

RT: 17.086 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

Instrument :

BNA_F

ClientSampleId :

CHRT-24152

Tgt Ion:276 Resp: 10619

Ion Ratio Lower Upper

276 100

138 14.9 14.2 21.4

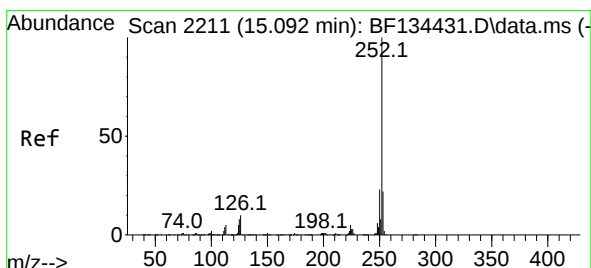
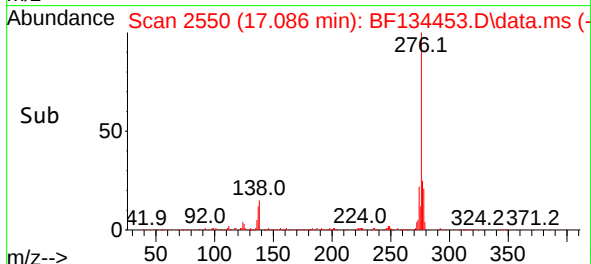
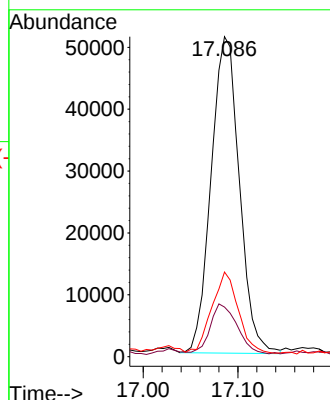
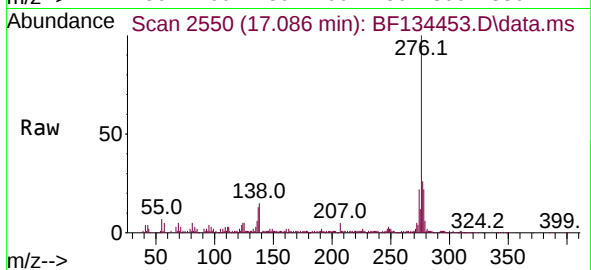
277 24.1 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/25/2023

Supervised By :mohammad ahmed 07/25/2023



#88

Benzo(b)fluoranthene

Concen: 41.131 ng m

RT: 15.104 min Scan# 2213

Delta R.T. 0.012 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

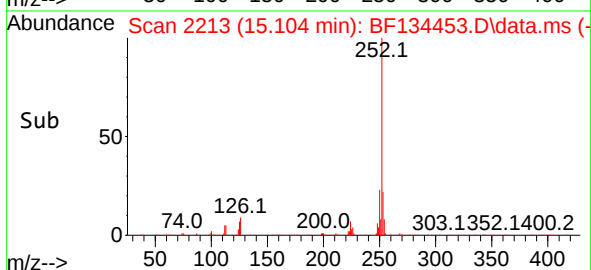
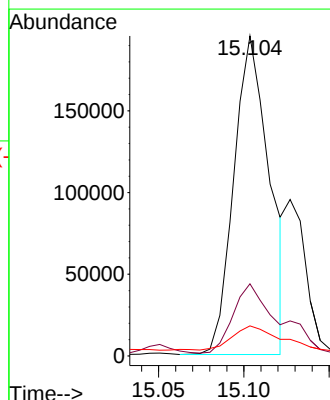
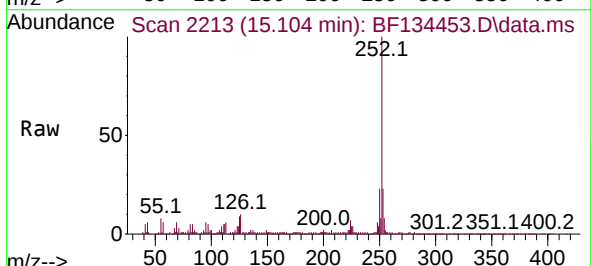
Tgt Ion:252 Resp: 283296

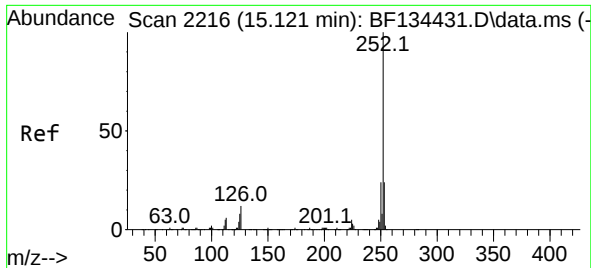
Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

125 9.4 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 11.471 ng m

RT: 15.127 min Scan# 2216

Delta R.T. 0.006 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

Instrument :

BNA_F

ClientSampleId :

CHRT-24152

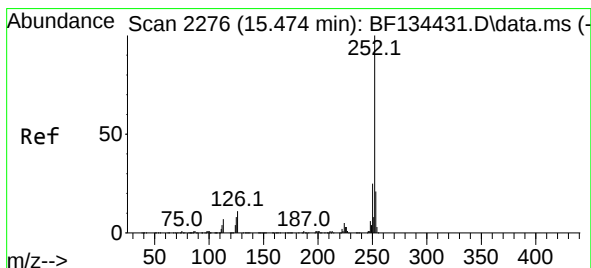
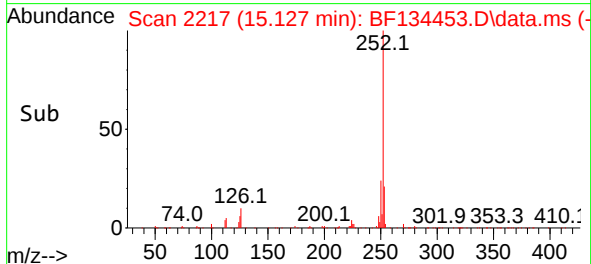
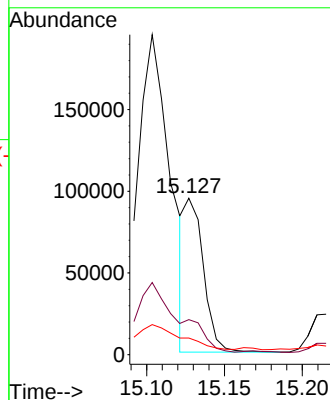
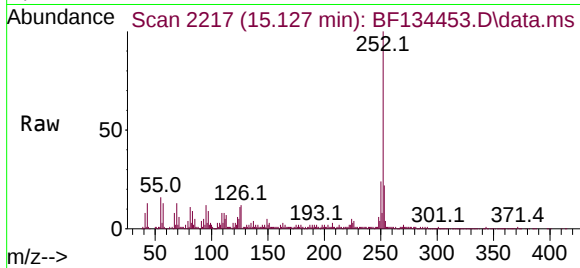
Tgt Ion:252 Resp: 77698
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.9 26.9
 125 10.6 6.3 9.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/25/2023

Supervised By :mohammad ahmed 07/25/2023



#90

Benzo(a)pyrene

Concen: 21.537 ng

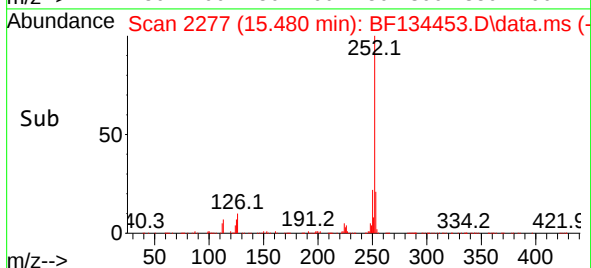
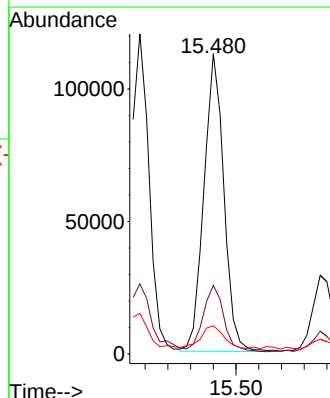
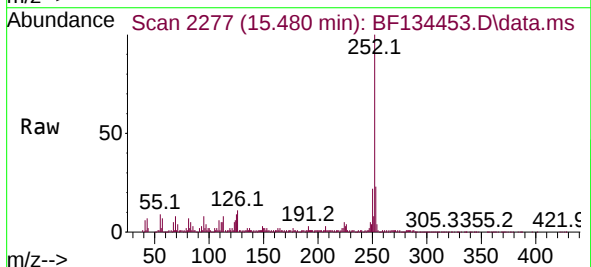
RT: 15.480 min Scan# 2277

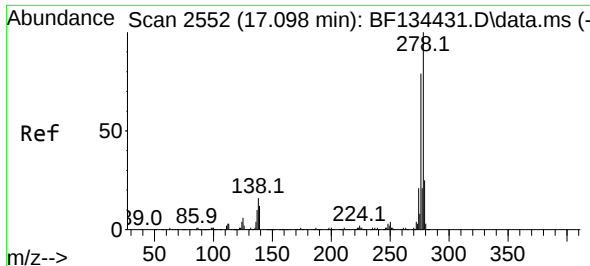
Delta R.T. 0.006 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

Tgt Ion:252 Resp: 137115
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.0 25.4
 125 9.4 6.2 9.4





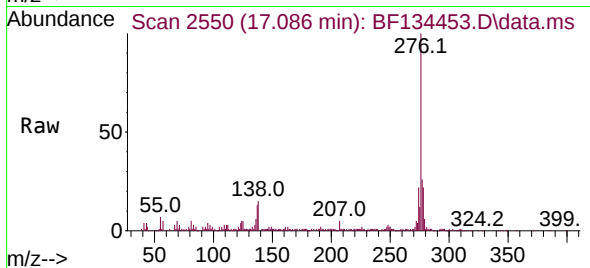
#91
Dibenzo(a,h)anthracene
Concen: 4.420 ng m
RT: 17.086 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Instrument :

BNA_F

ClientSampleId :

CHRT-24152



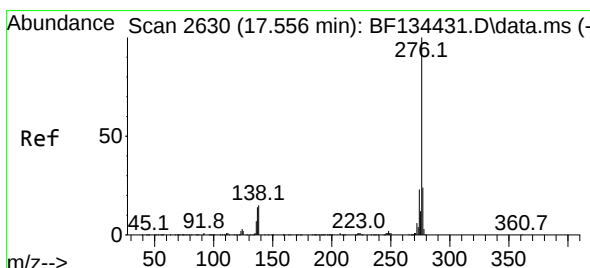
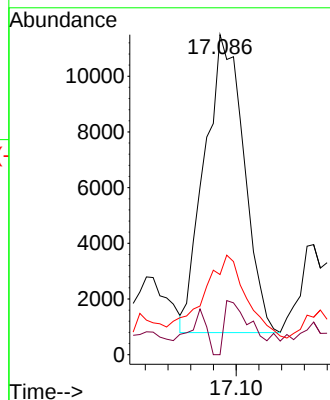
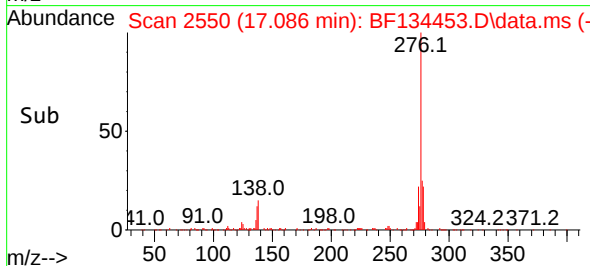
Tgt Ion:278 Resp: 25672
Ion Ratio Lower Upper
278 100
139 0.0 10.0 15.0
279 25.1 19.7 29.5

Manual Integrations

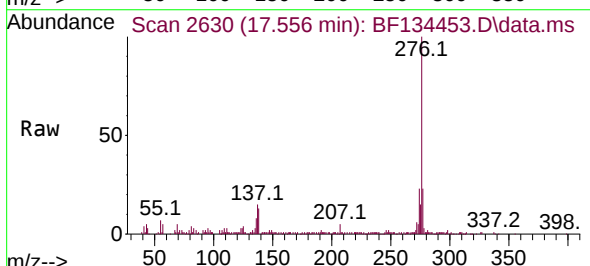
APPROVED

Reviewed By :Yogesh Patel 07/25/2023

Supervised By :mohammad ahmed 07/25/2023



#92
Benzo(g,h,i)perylene
Concen: 17.718 ng
RT: 17.556 min Scan# 2630
Delta R.T. 0.000 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12



Tgt Ion:276 Resp: 105678
Ion Ratio Lower Upper
276 100
277 23.5 19.0 28.6
138 12.8 12.2 18.2

