

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134973.D
 Acq On : 28 Aug 2023 17:37
 Operator : CG\JU
 Sample : 04160-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26706

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023

Quant Time: Aug 29 03:50:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	89467	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	339517	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	130121	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	141805	20.000	ng	# 0.01
76) Chrysene-d12	13.998	240	154839	20.000	ng	0.02
86) Perylene-d12	15.463	264	142943	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	330283	58.869	ng	0.00
7) Phenol-d6	6.428	99	407784	56.881	ng	-0.01
23) Nitrobenzene-d5	7.351	82	246014	39.928	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	73838	48.181	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	422144	50.152	ng	-0.01
79) Terphenyl-d14	12.945	244	297556	26.431	ng	0.02
Target Compounds						Qvalue
49) Acenaphthylene	9.692	152	27223	2.304	ng	# 39
61) 4-Chlorophenyl-phenyle...	10.104	204	10131	2.459	ng	90
71) Phenanthrene	11.369	178	80528	10.837	ng	# 57
72) Anthracene	11.422	178	32761	4.303	ng	# 32
75) Fluoranthene	12.574	202	405222	57.554	ng	94
78) Pyrene	12.804	202	390528	23.788	ng	97
81) Benzo(a)anthracene	13.986	228	322471	30.525	ng	97
83) Chrysene	14.021	228	370537	35.549	ng	98
84) Bis(2-ethylhexyl)phtha...	13.974	149	42659	7.873	ng	# 86
87) Indeno(1,2,3-cd)pyrene	16.945	276	97375	9.530	ng	96
88) Benzo(b)fluoranthene	15.033	252	368368m	45.676	ng	
89) Benzo(k)fluoranthene	15.057	252	116891m	14.760	ng	
90) Benzo(a)pyrene	15.398	252	167820	20.845	ng	# 97
91) Dibenzo(a,h)anthracene	16.957	278	24081	2.913	ng	# 86
92) Benzo(g,h,i)perylene	17.398	276	85863	10.146	ng	98

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

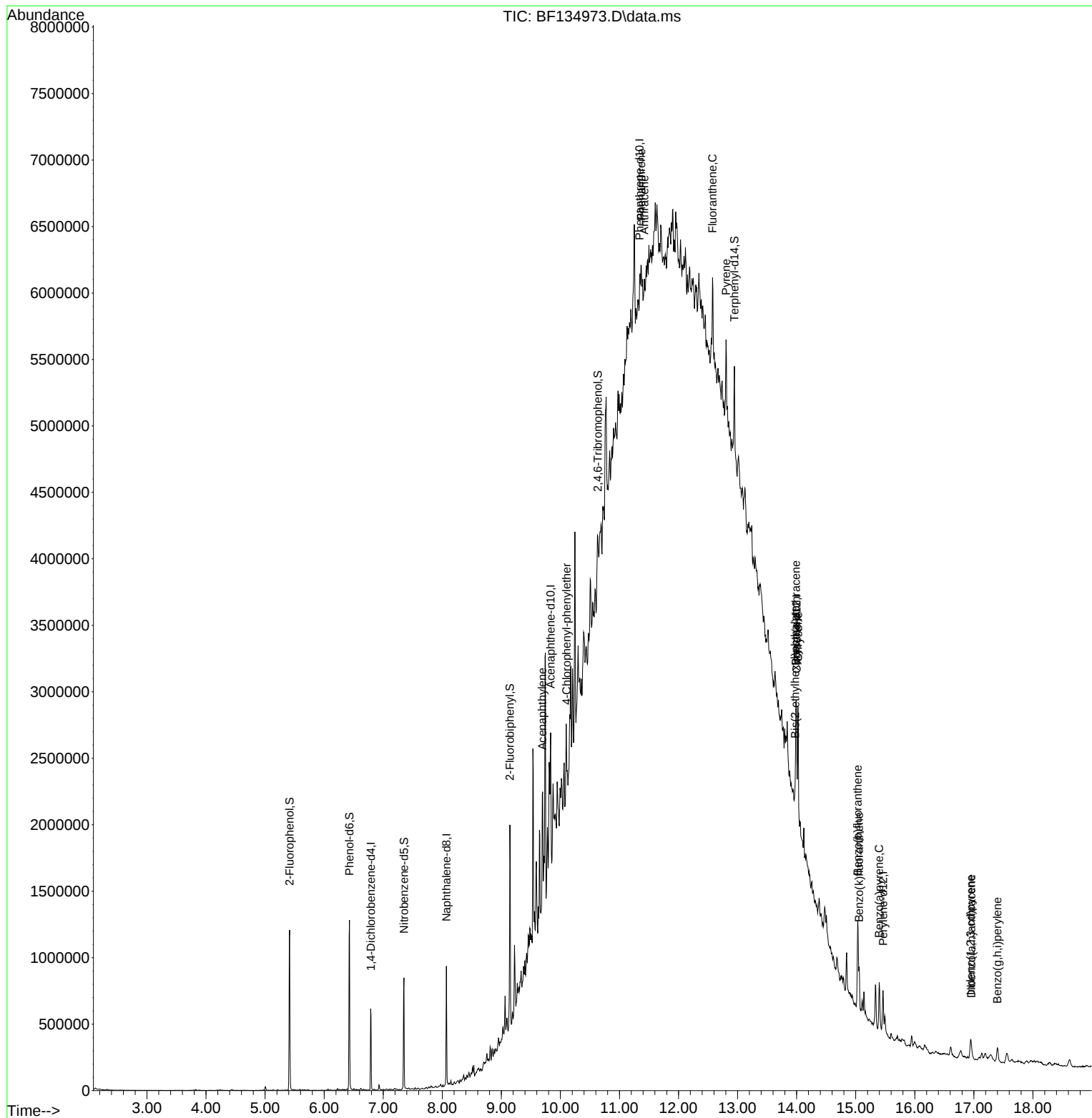
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
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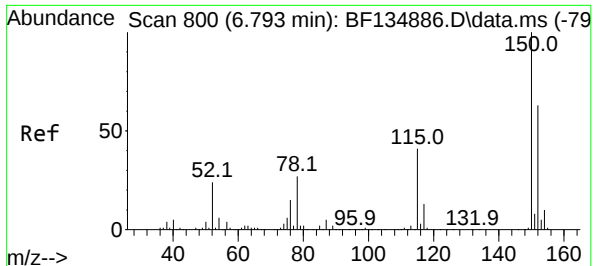
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
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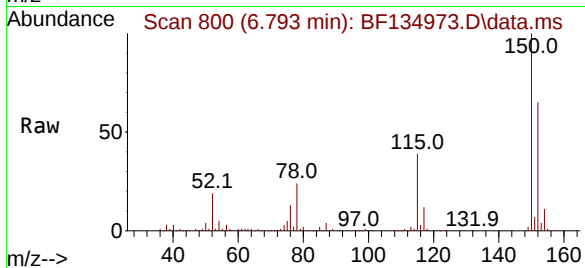
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. -0.000 min
Lab File: BF134973.D
Acq: 28 Aug 2023 17:37

Instrument :

BNA_F

ClientSampleId :

CHRT-26706

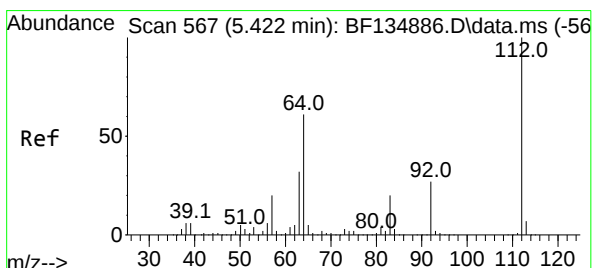
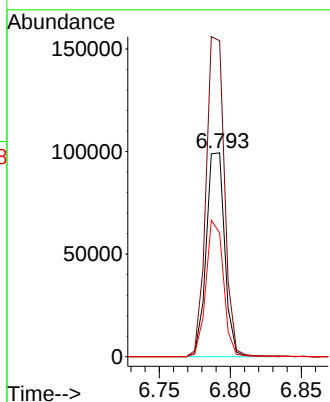
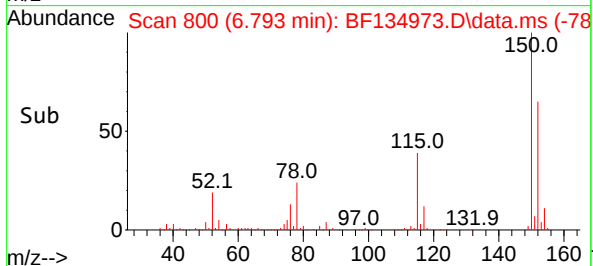


Tgt Ion:152 Resp: 8946
Ion Ratio Lower Upper
152 100
150 155.0 126.1 189.1
115 60.7 51.1 76.7

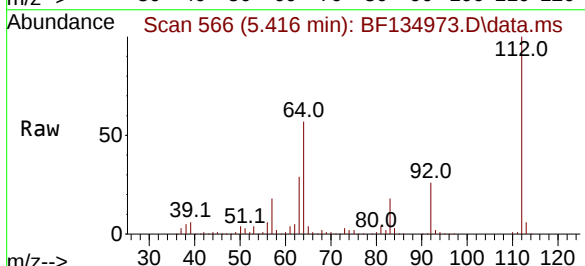
Manual Integrations

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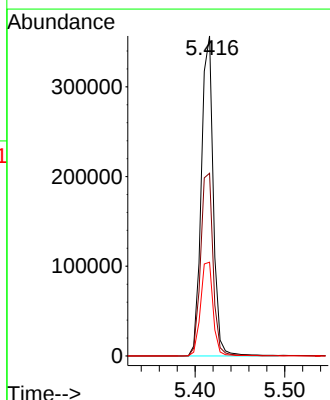
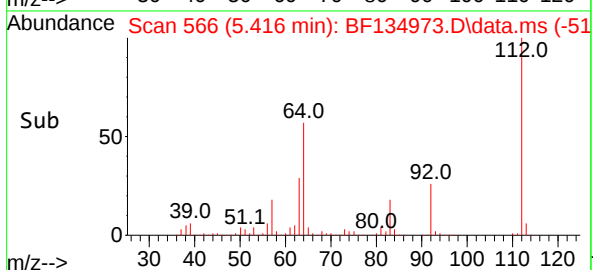
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

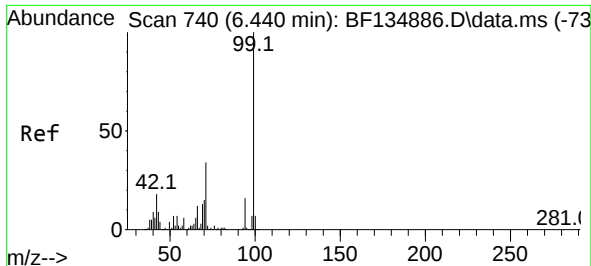


#5
2-Fluorophenol
Concen: 58.869 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134973.D
Acq: 28 Aug 2023 17:37



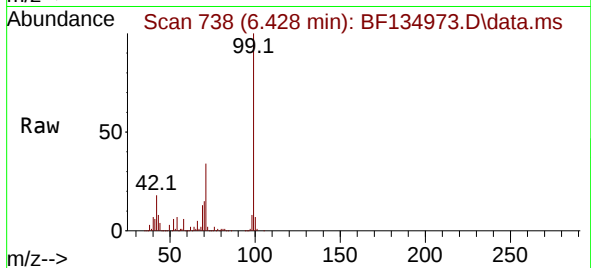
Tgt Ion:112 Resp: 330283
Ion Ratio Lower Upper
112 100
64 57.1 48.6 73.0
63 29.3 25.7 38.5





#7
Phenol-d6
Concen: 56.881 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134973.D
Acq: 28 Aug 2023 17:37

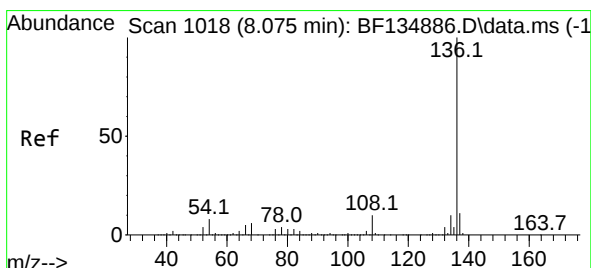
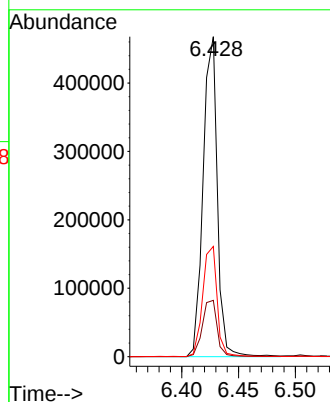
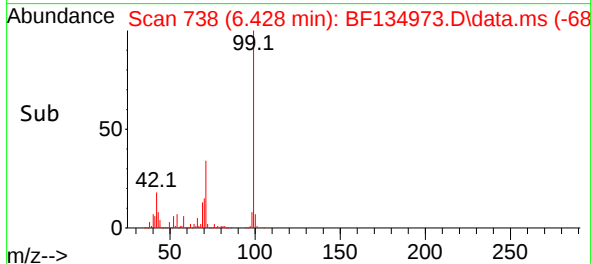
Instrument :
BNA_F
ClientSampleId :
CHRT-26706



Tgt Ion: 99 Resp: 407784
Ion Ratio Lower Upper
99 100
42 17.6 14.6 22.0
71 34.5 27.6 41.4

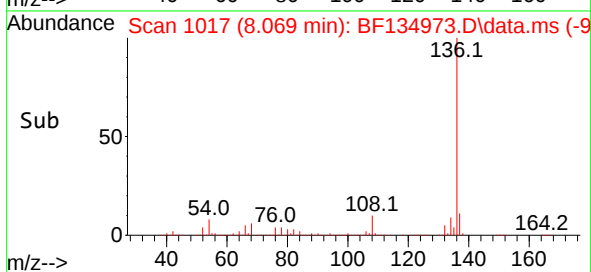
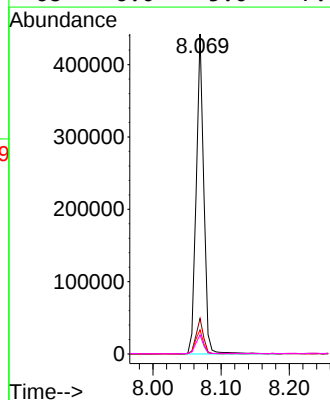
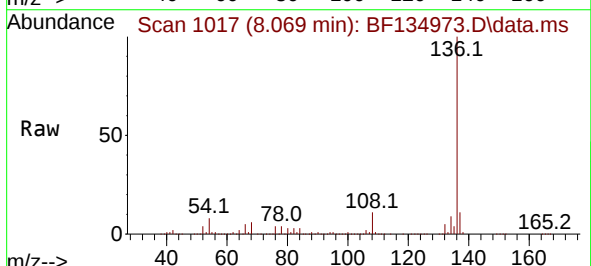
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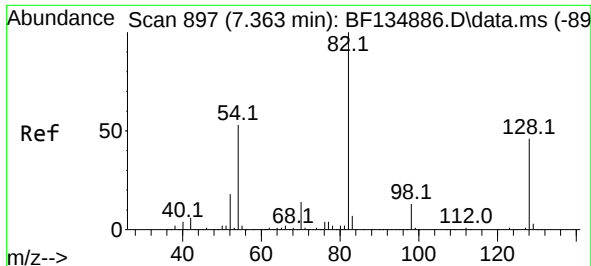
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134973.D
Acq: 28 Aug 2023 17:37

Tgt Ion:136 Resp: 339517
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.6 6.6 9.8
68 6.0 5.0 7.4





#23

Nitrobenzene-d5

Concen: 39.928 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF134973.D

Acq: 28 Aug 2023 17:37

Instrument :

BNA_F

ClientSampleId :

CHRT-26706

Tgt Ion: 82 Resp: 246014

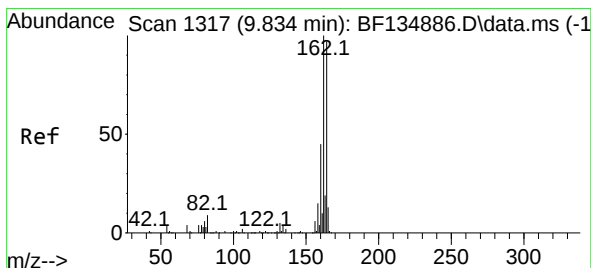
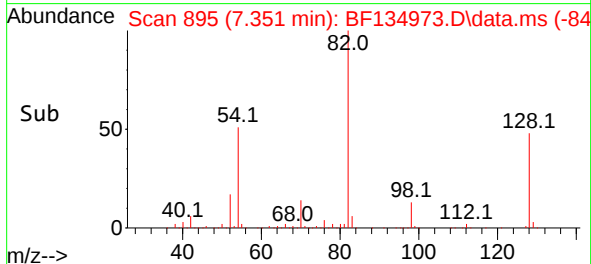
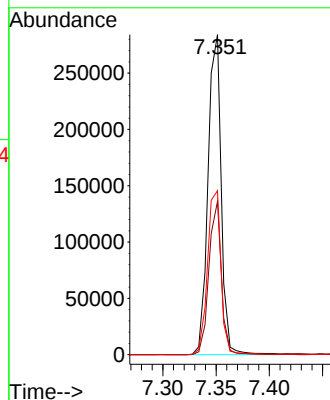
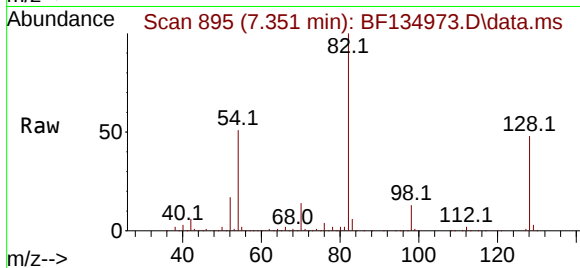
Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.6	54.8
54	51.3	42.6	63.8

Manual Integrations

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Supervised By :mohammad ahmed 08/29/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1317

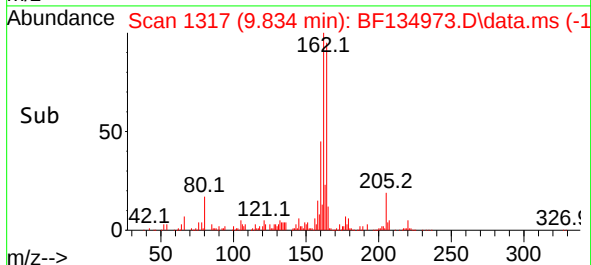
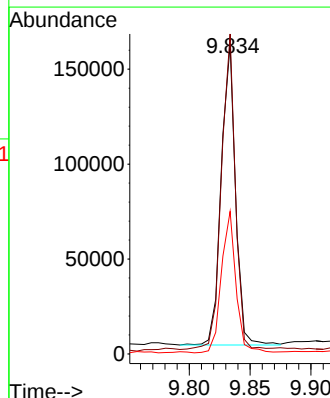
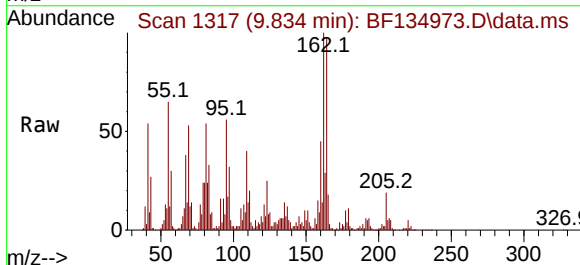
Delta R.T. -0.000 min

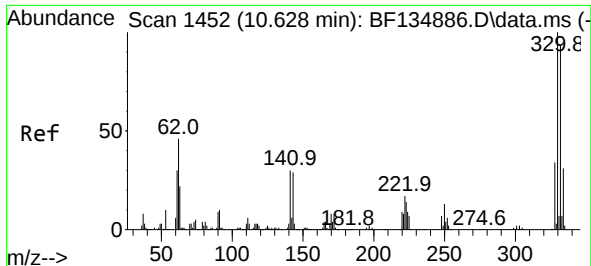
Lab File: BF134973.D

Acq: 28 Aug 2023 17:37

Tgt Ion:164 Resp: 130121

Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	46.0	37.0	55.4





#42
2,4,6-Tribromophenol
Concen: 48.181 ng
RT: 10.633 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF134973.D
Acq: 28 Aug 2023 17:37

Instrument :

BNA_F

ClientSampleId :

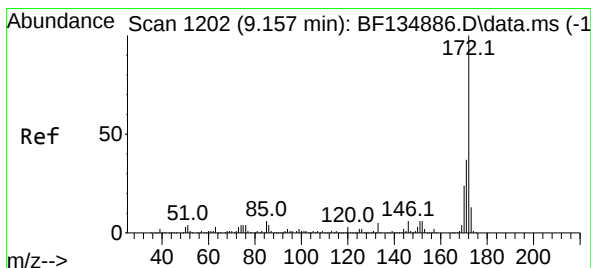
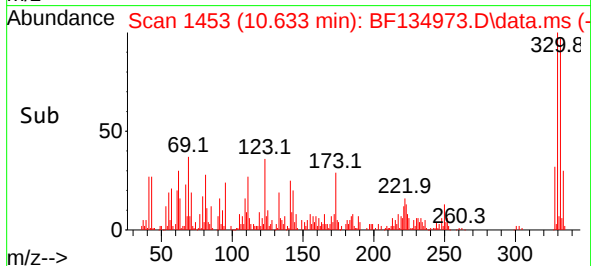
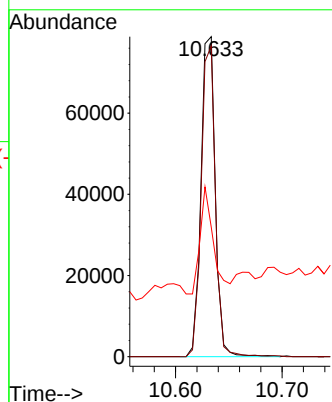
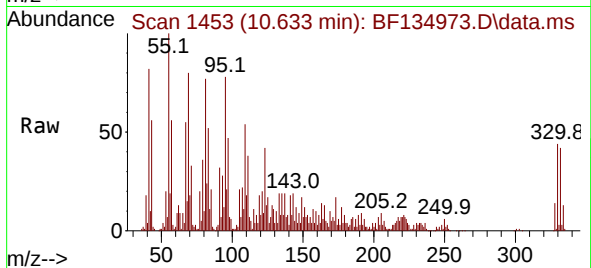
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Tgt Ion:330 Resp: 73838
Ion Ratio Lower Upper
330 100
332 96.1 76.3 114.5
141 31.1 23.4 35.2

Manual Integrations

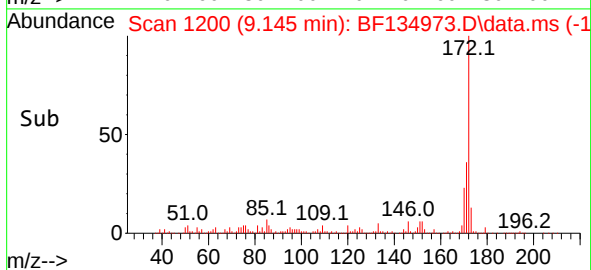
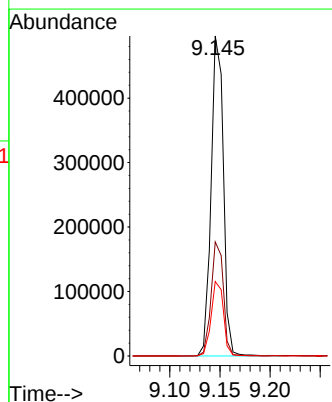
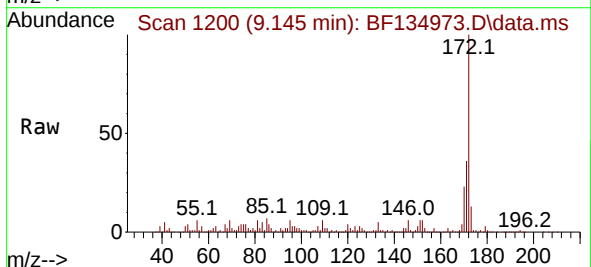
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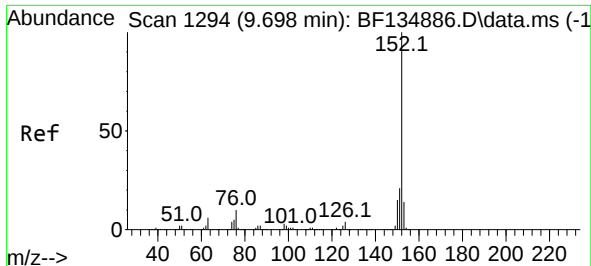
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#45
2-Fluorobiphenyl
Concen: 50.152 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF134973.D
Acq: 28 Aug 2023 17:37

Tgt Ion:172 Resp: 422144
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 23.2 19.6 29.4





#49
Acenaphthylene
Concen: 2.304 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134973.D
Acq: 28 Aug 2023 17:37

Instrument :

BNA_F

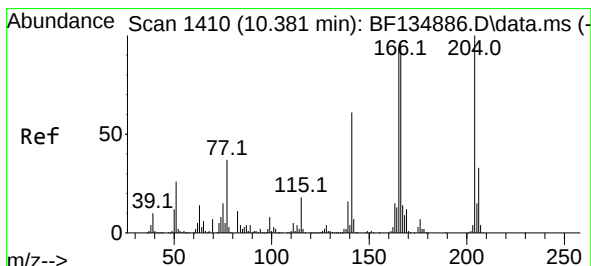
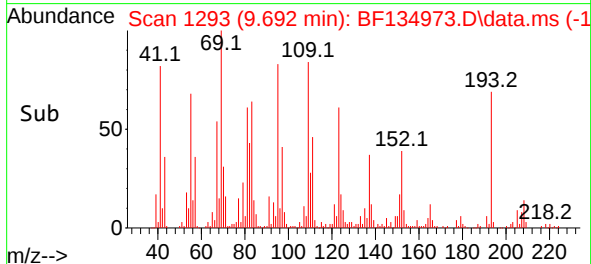
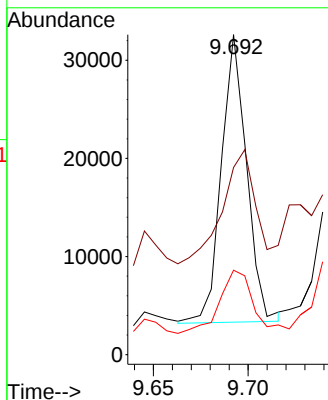
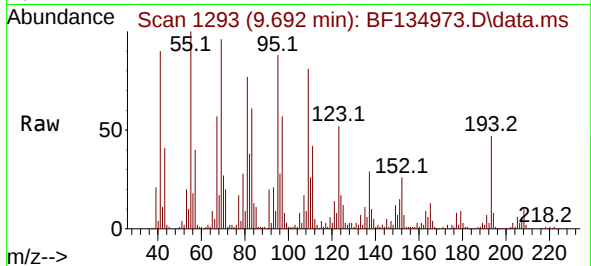
ClientSampleId :

CHRT-26706

Tgt Ion:152 Resp: 2722
Ion Ratio Lower Upper
152 100
151 58.5 16.5 24.7
153 26.4 11.3 16.9

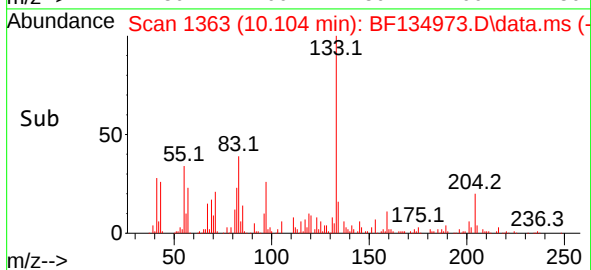
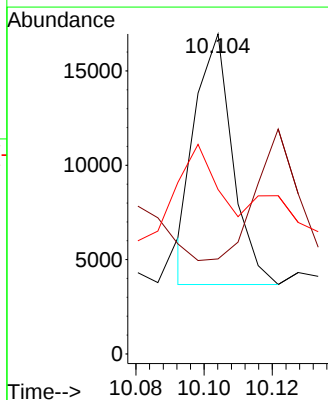
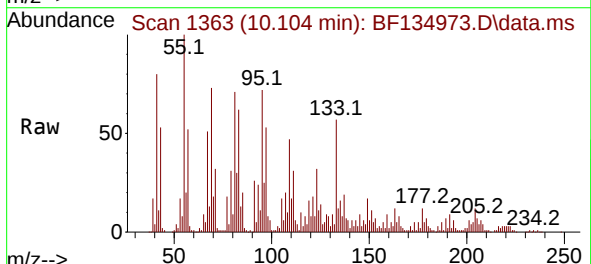
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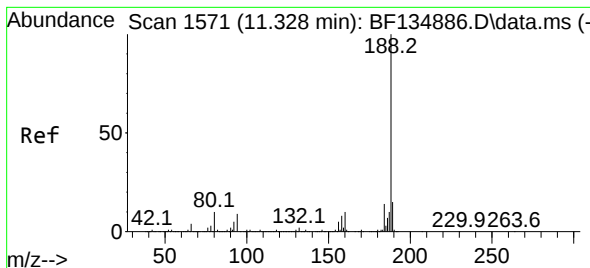
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#61
4-Chlorophenyl-phenylether
Concen: 2.459 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.277 min
Lab File: BF134973.D
Acq: 28 Aug 2023 17:37

Tgt Ion:204 Resp: 10131
Ion Ratio Lower Upper
204 100
206 29.7 26.3 39.5
141 51.4 48.6 73.0





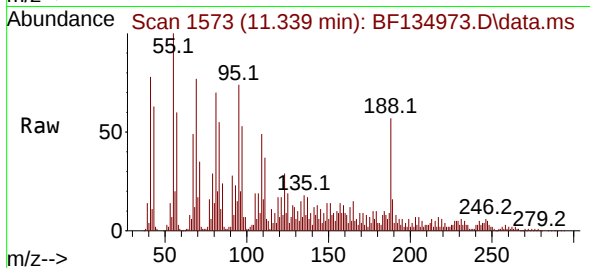
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF134973.D
Acq: 28 Aug 2023 17:37

Instrument :

BNA_F

ClientSampleId :

CHRT-26706



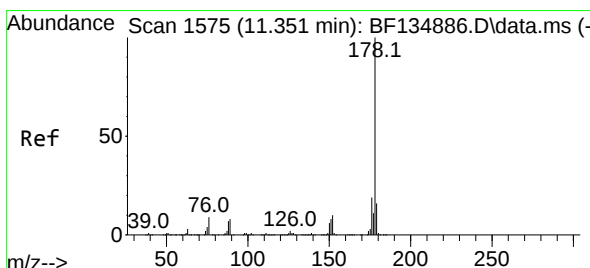
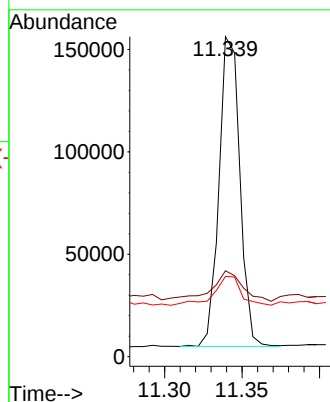
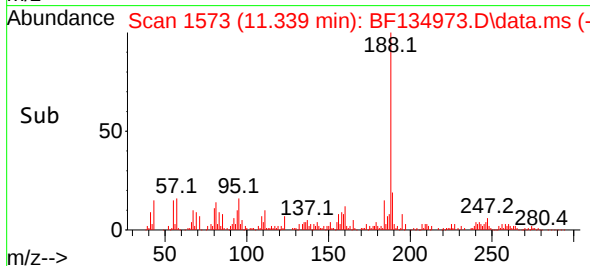
Tgt Ion:188 Resp: 141809
Ion Ratio Lower Upper
188 100
94 26.9 7.5 11.3#
80 25.1 7.8 11.6#

Manual Integrations

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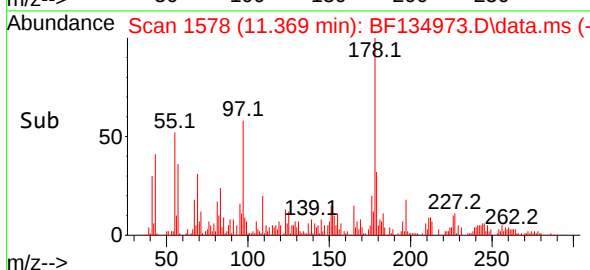
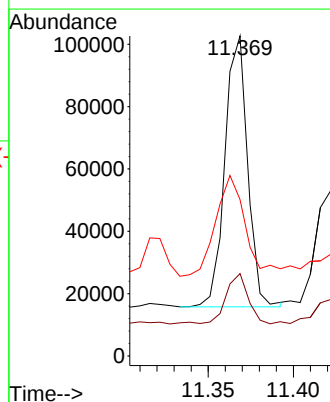
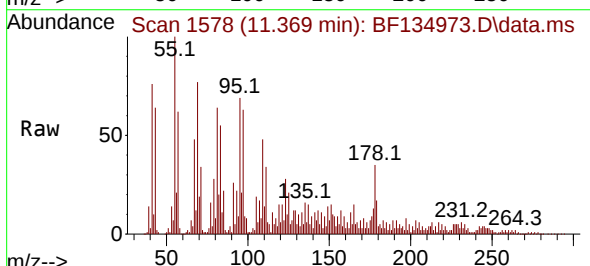
Reviewed By :Yogesh Patel 08/29/2023

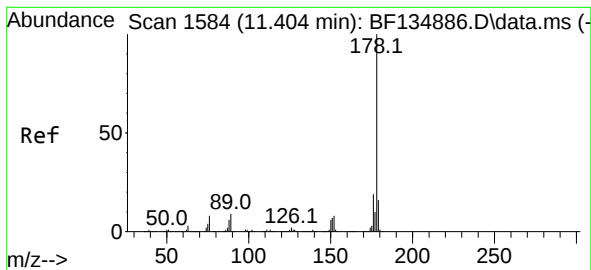
Supervised By :mohammad ahmed 08/29/2023



#71
Phenanthrene
Concen: 10.837 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.018 min
Lab File: BF134973.D
Acq: 28 Aug 2023 17:37

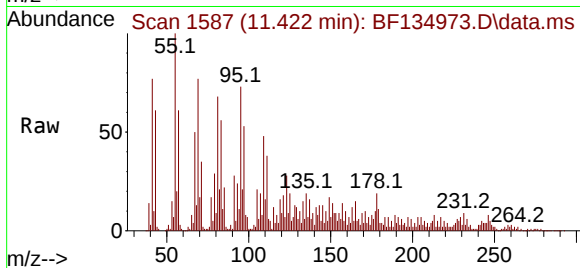
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Ion Ratio Lower Upper
178 100
176 25.7 15.5 23.3#
179 48.9 12.6 19.0#





#72
 Anthracene
 Concen: 4.303 ng
 RT: 11.422 min Scan# 11422
 Delta R.T. 0.018 min
 Lab File: BF134973.D
 Acq: 28 Aug 2023 17:37

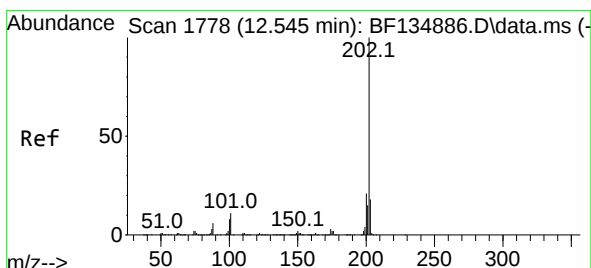
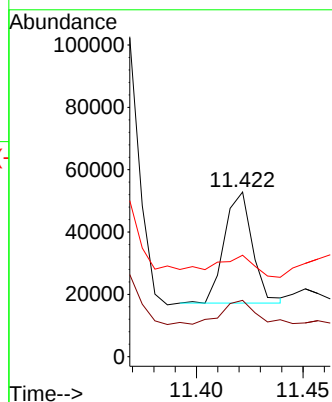
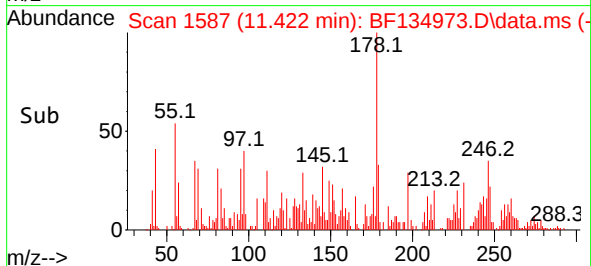
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26706



Tgt Ion:178 Resp: 3276
 Ion Ratio Lower Upper
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 176 34.3 15.0 22.6
 179 61.6 12.5 18.7

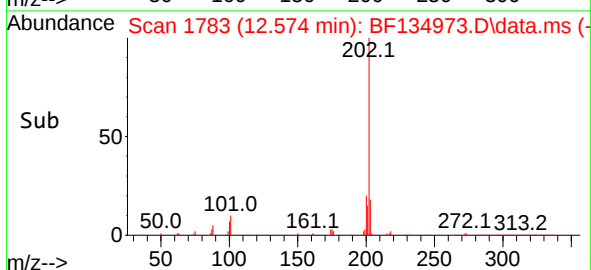
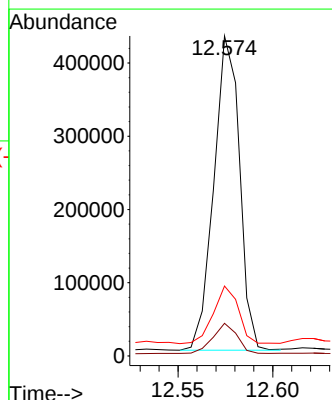
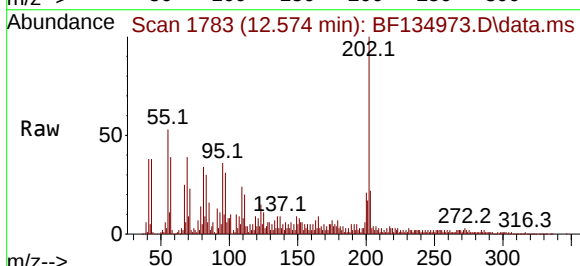
Manual Integrations
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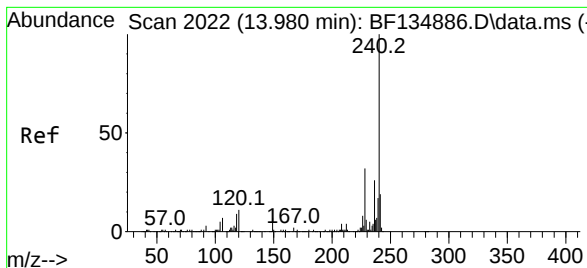
Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023



#75
 Fluoranthene
 Concen: 57.554 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. 0.029 min
 Lab File: BF134973.D
 Acq: 28 Aug 2023 17:37

Tgt Ion:202 Resp: 405222
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 30.5
 203 21.9 0.0 37.8





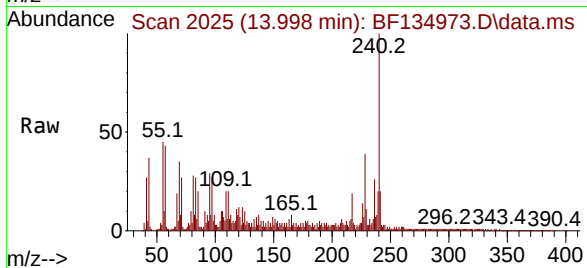
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF134973.D
Acq: 28 Aug 2023 17:37

Instrument :

BNA_F

ClientSampleId :

CHRT-26706

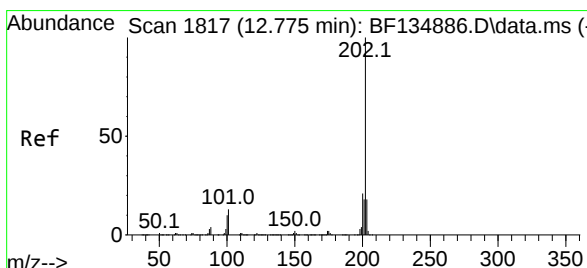
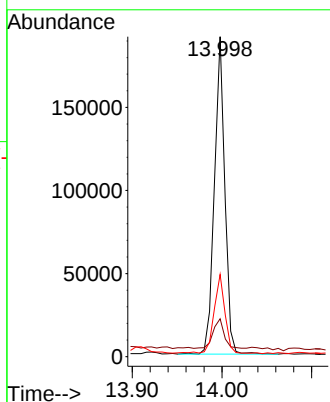
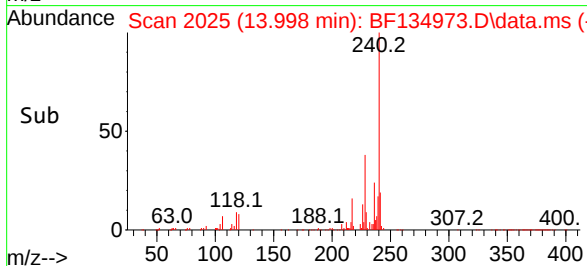


Tgt Ion:240 Resp: 154839
Ion Ratio Lower Upper
240 100
120 11.9 8.6 12.8
236 25.7 20.6 31.0

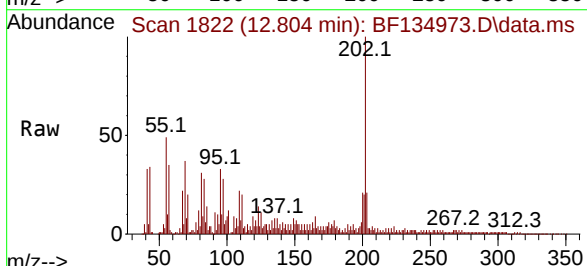
Manual Integrations

APPROVED

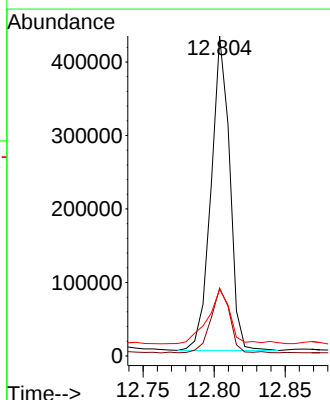
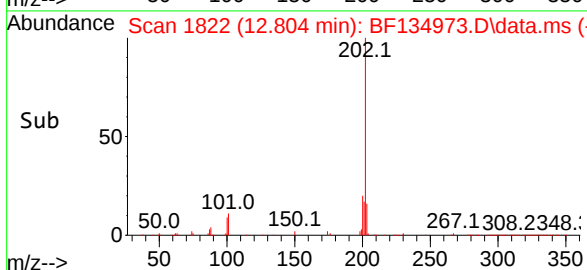
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

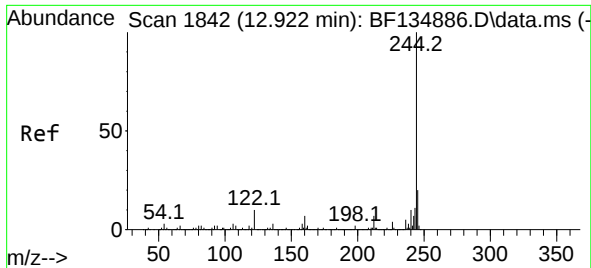


#78
Pyrene
Concen: 23.788 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.029 min
Lab File: BF134973.D
Acq: 28 Aug 2023 17:37



Tgt Ion:202 Resp: 390528
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 20.8 14.2 21.2





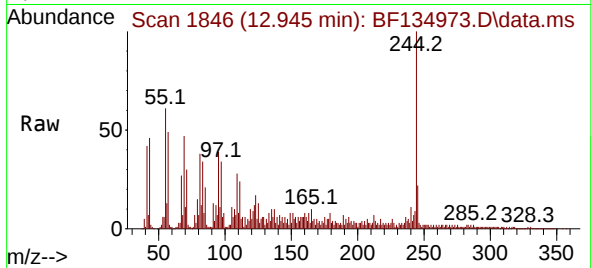
#79
 Terphenyl-d14
 Concen: 26.431 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. 0.023 min
 Lab File: BF134973.D
 Acq: 28 Aug 2023 17:37

Instrument :

BNA_F

ClientSampleId :

CHRT-26706



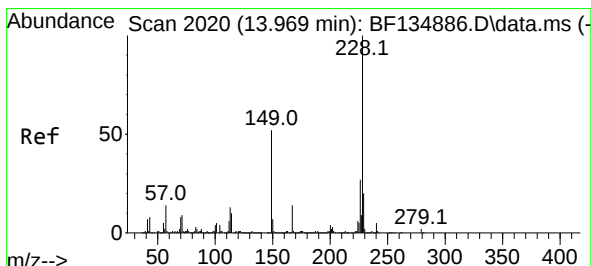
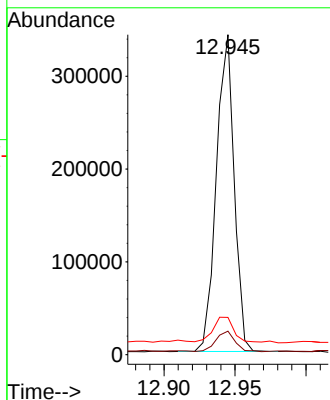
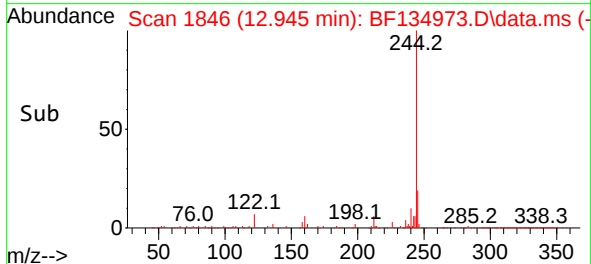
Tgt Ion:244 Resp: 297550
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 11.6 8.2 12.4

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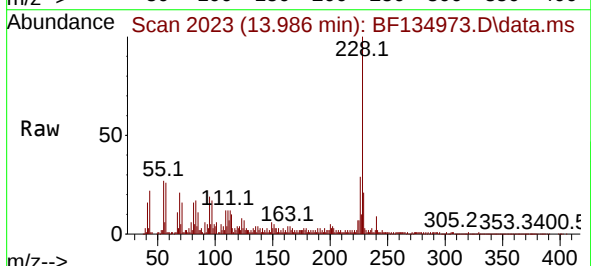
APPROVED

Reviewed By :Yogesh Patel 08/29/2023

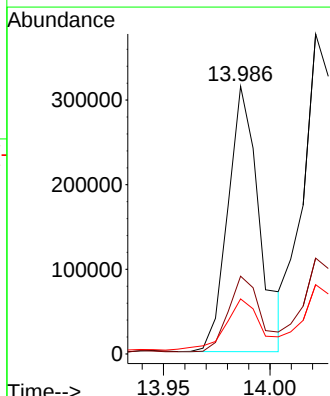
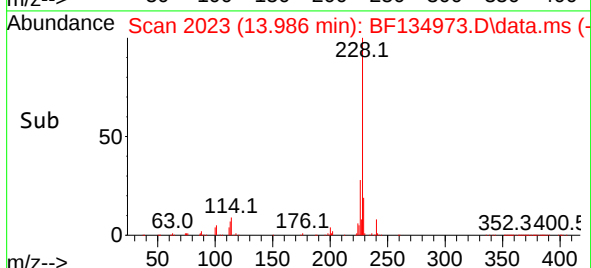
Supervised By :mohammad ahmed 08/29/2023

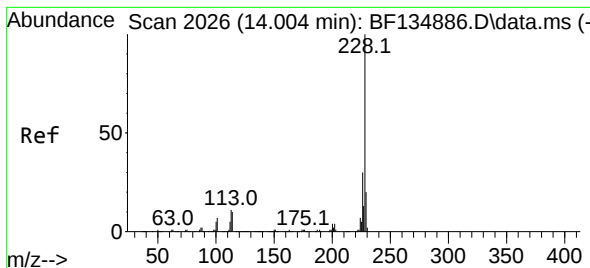


#81
 Benzo(a)anthracene
 Concen: 30.525 ng
 RT: 13.986 min Scan# 2023
 Delta R.T. 0.018 min
 Lab File: BF134973.D
 Acq: 28 Aug 2023 17:37



Tgt Ion:228 Resp: 322471
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.8 32.6
 229 20.5 15.6 23.4





#83

Chrysene

Concen: 35.549 ng

RT: 14.021 min Scan# 2026

Delta R.T. 0.017 min

Lab File: BF134973.D

Acq: 28 Aug 2023 17:37

Instrument :

BNA_F

ClientSampleId :

CHRT-26706

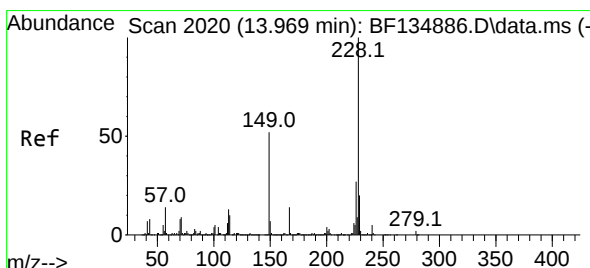
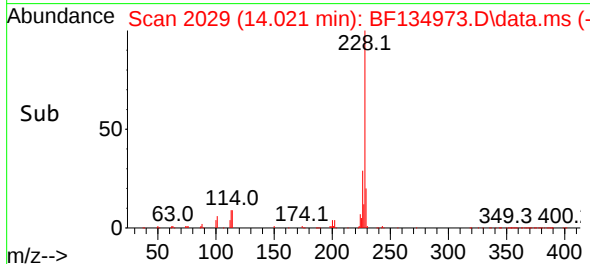
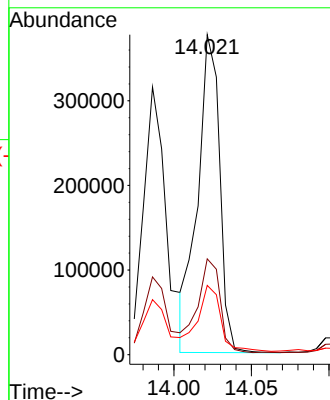
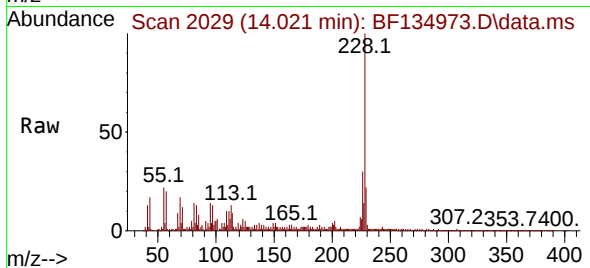
Tgt Ion:228 Resp: 37053
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.2 36.2
 229 21.6 16.0 24.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.873 ng

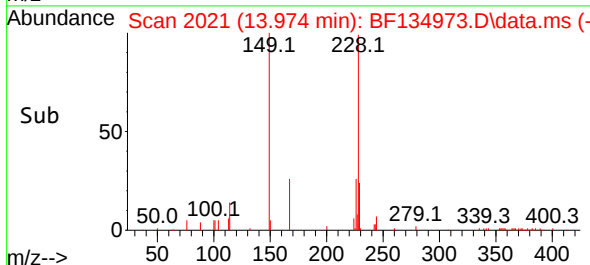
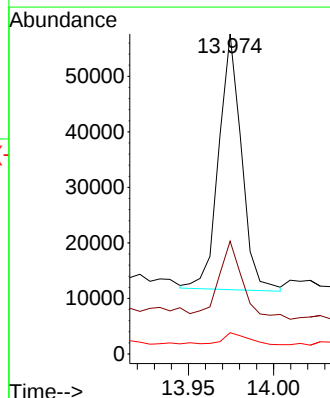
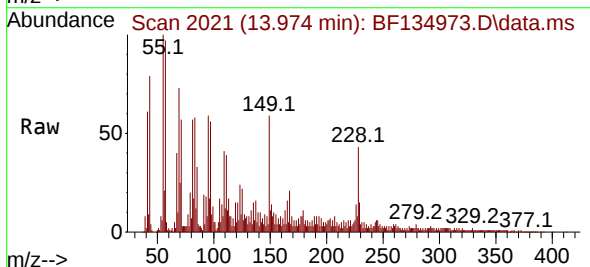
RT: 13.974 min Scan# 2021

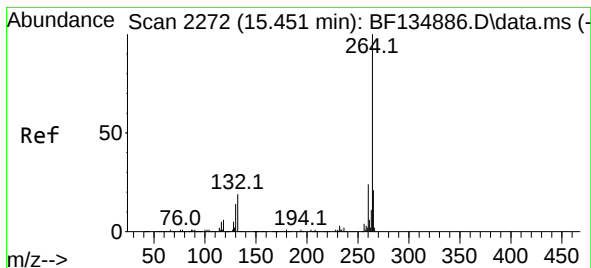
Delta R.T. 0.006 min

Lab File: BF134973.D

Acq: 28 Aug 2023 17:37

Tgt Ion:149 Resp: 42659
 Ion Ratio Lower Upper
 149 100
 167 35.3 22.1 33.1#
 279 6.7 3.6 5.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134973.D

Acq: 28 Aug 2023 17:37

Instrument :

BNA_F

ClientSampleId :

CHRT-26706

Tgt Ion:264 Resp: 14294

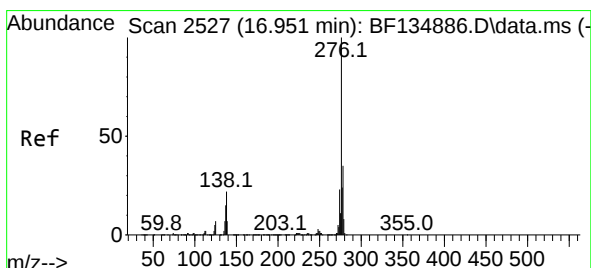
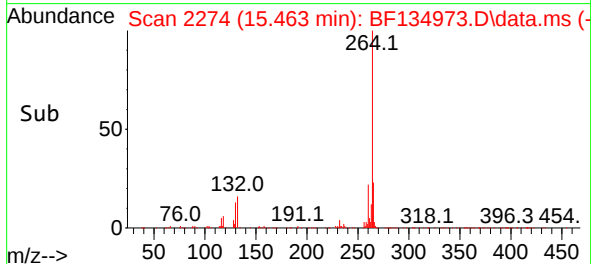
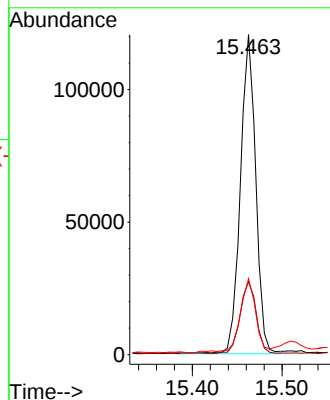
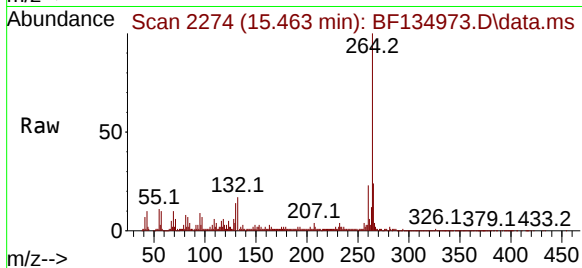
Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.0	28.6
265	23.7	17.1	25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.530 ng

RT: 16.945 min Scan# 2526

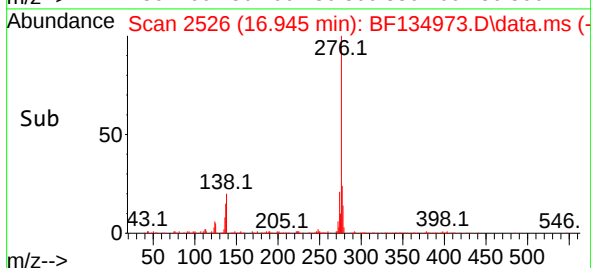
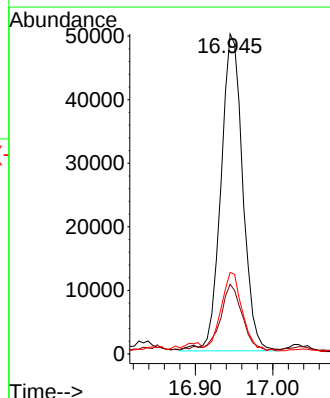
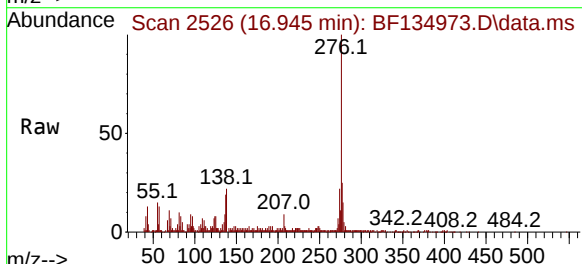
Delta R.T. -0.006 min

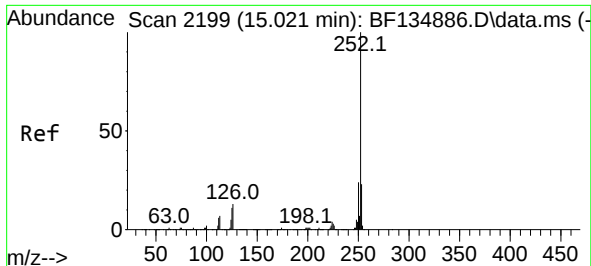
Lab File: BF134973.D

Acq: 28 Aug 2023 17:37

Tgt Ion:276 Resp: 97375

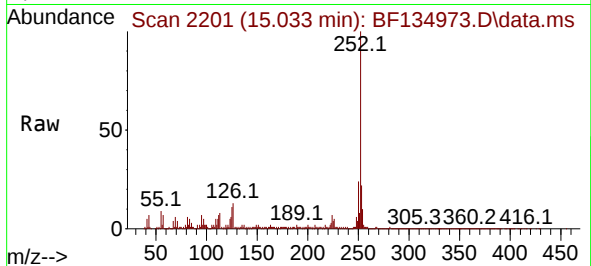
Ion	Ratio	Lower	Upper
276	100		
138	21.4	19.7	29.5
277	24.4	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 45.676 ng m
RT: 15.033 min Scan# 2199
Delta R.T. 0.012 min
Lab File: BF134973.D
Acq: 28 Aug 2023 17:37

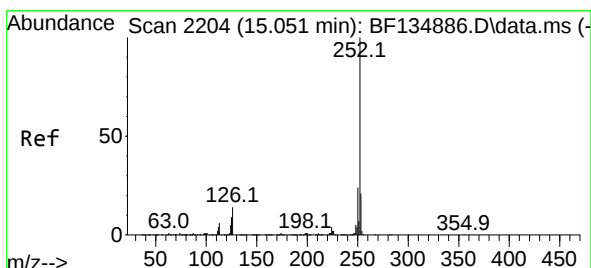
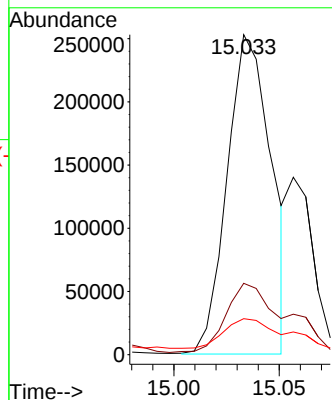
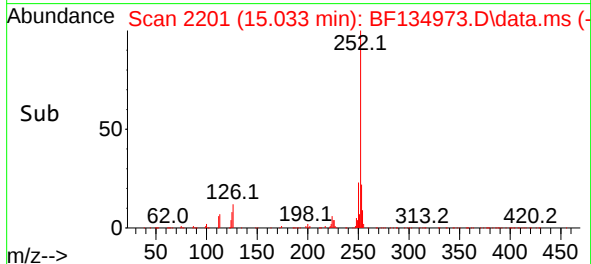
Instrument :
BNA_F
ClientSampleId :
CHRT-26706



Tgt Ion:252 Resp: 368368
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 11.3 8.4 12.6

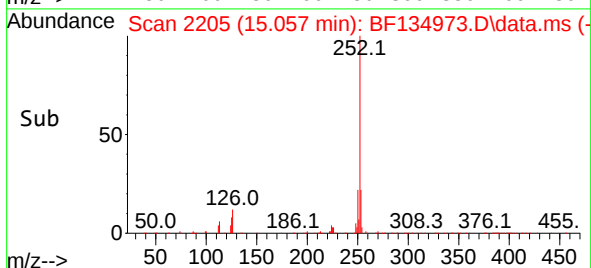
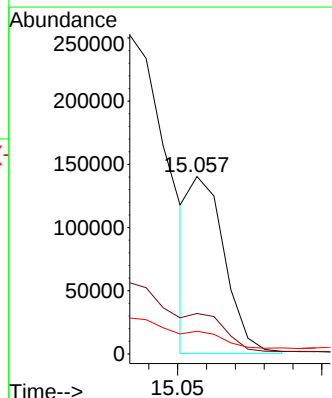
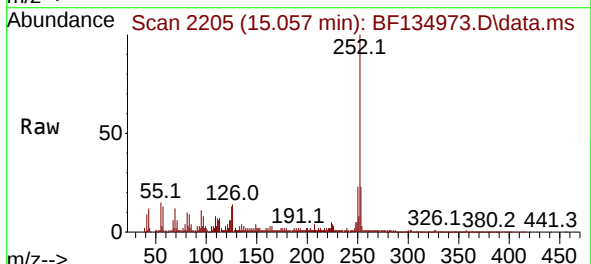
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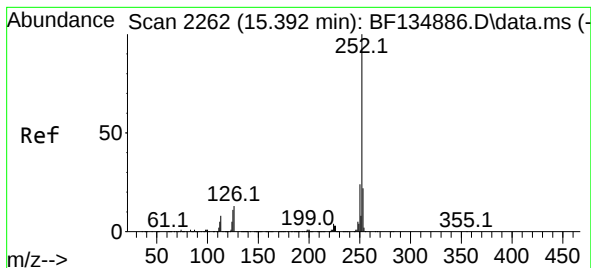
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#89
Benzo(k)fluoranthene
Concen: 14.760 ng m
RT: 15.057 min Scan# 2205
Delta R.T. 0.006 min
Lab File: BF134973.D
Acq: 28 Aug 2023 17:37

Tgt Ion:252 Resp: 116891
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 12.8 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 20.845 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134973.D

Acq: 28 Aug 2023 17:37

Instrument :

BNA_F

ClientSampleId :

CHRT-26706

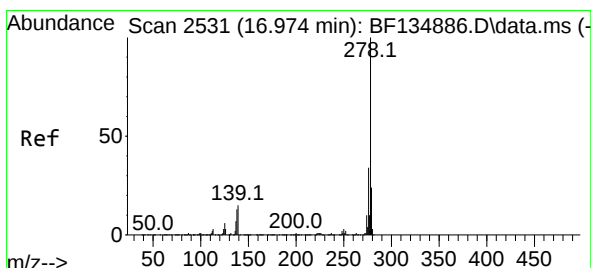
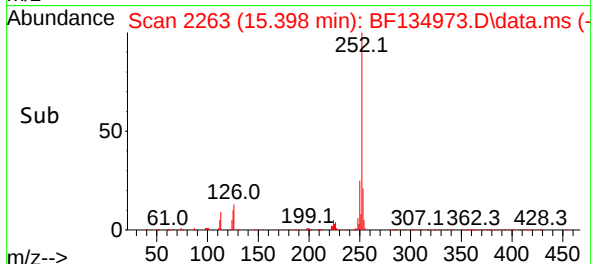
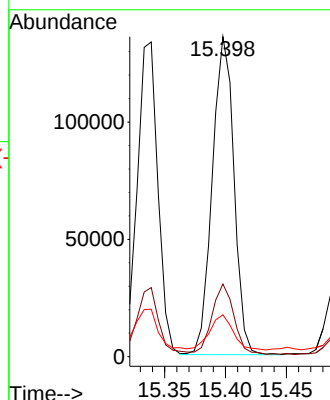
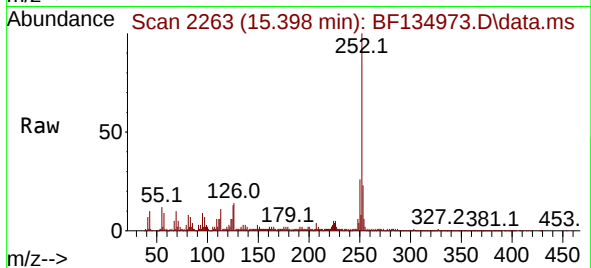
Tgt Ion:252 Resp: 167820
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.6 26.4
 125 13.1 8.4 12.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.913 ng

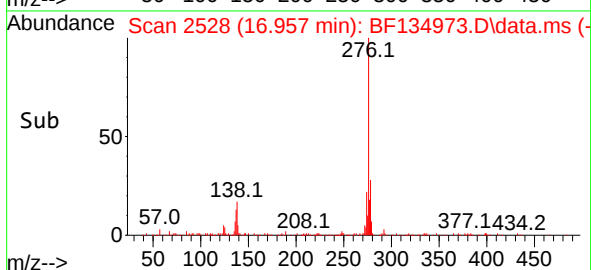
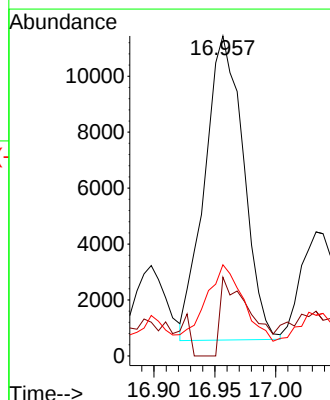
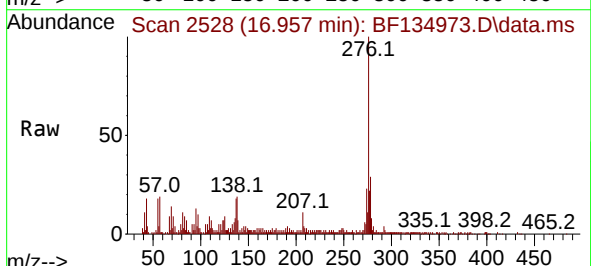
RT: 16.957 min Scan# 2528

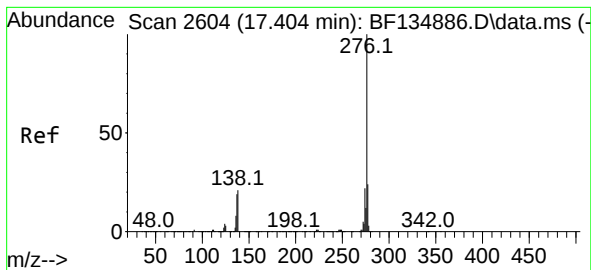
Delta R.T. -0.018 min

Lab File: BF134973.D

Acq: 28 Aug 2023 17:37

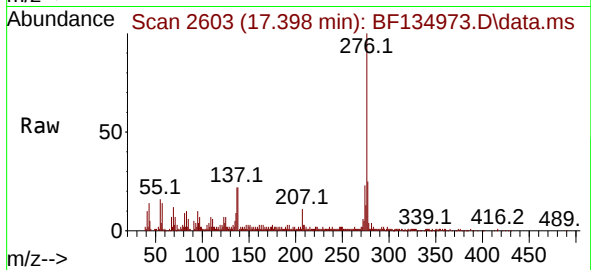
Tgt Ion:278 Resp: 24081
 Ion Ratio Lower Upper
 278 100
 139 24.6 12.2 18.4#
 279 28.5 19.1 28.7





#92
Benzo(g,h,i)perylene
Concen: 10.146 ng
RT: 17.398 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134973.D
Acq: 28 Aug 2023 17:37

Instrument :
BNA_F
ClientSampleId :
CHRT-26706



Tgt Ion:276 Resp: 8586
Ion Ratio Lower Upper
276 100
277 25.0 19.2 28.8
138 22.3 17.0 25.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

