

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060723\
 Data File : BF133630.D
 Acq On : 07 Jun 2023 17:55
 Operator : CG\JU
 Sample : 03018-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-4648

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/08/2023
 Supervised By :mohammad ahmed 06/08/2023

Quant Time: Jun 07 18:18:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 07 11:27:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	136458	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	488487	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	209471	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	344128	20.000	ng	0.00
76) Chrysene-d12	14.010	240	225473	20.000	ng	0.00
86) Perylene-d12	15.474	264	185514	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	583713	71.370	ng	0.00
7) Phenol-d6	6.463	99	699974	69.525	ng	0.00
23) Nitrobenzene-d5	7.398	82	465063	63.567	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	154328	73.910	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	772683	56.933	ng	0.00
79) Terphenyl-d14	12.951	244	630656	49.731	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.139	128	74851	3.161	ng	99
37) 2-Methylnaphthalene	8.834	142	36561	2.261	ng	95
49) Acenaphthylene	9.733	152	72227	3.432	ng	99
71) Phenanthrene	11.386	178	223397	12.817	ng	99
72) Anthracene	11.439	178	62648	3.492	ng	96
75) Fluoranthene	12.580	202	740586	38.467	ng	99
78) Pyrene	12.810	202	759413	39.580	ng	99
81) Benzo(a)anthracene	13.998	228	400968	26.695	ng	97
83) Chrysene	14.033	228	352460	23.244	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	189003m	15.994	ng	
88) Benzo(b)fluoranthene	15.051	252	455164m	37.679	ng	
89) Benzo(k)fluoranthene	15.074	252	137030m	11.633	ng	
90) Benzo(a)pyrene	15.415	252	298984	27.200	ng	97
91) Dibenzo(a,h)anthracene	16.945	278	47428	4.950	ng	93
92) Benzo(g,h,i)perylene	17.380	276	174274	18.039	ng	99

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

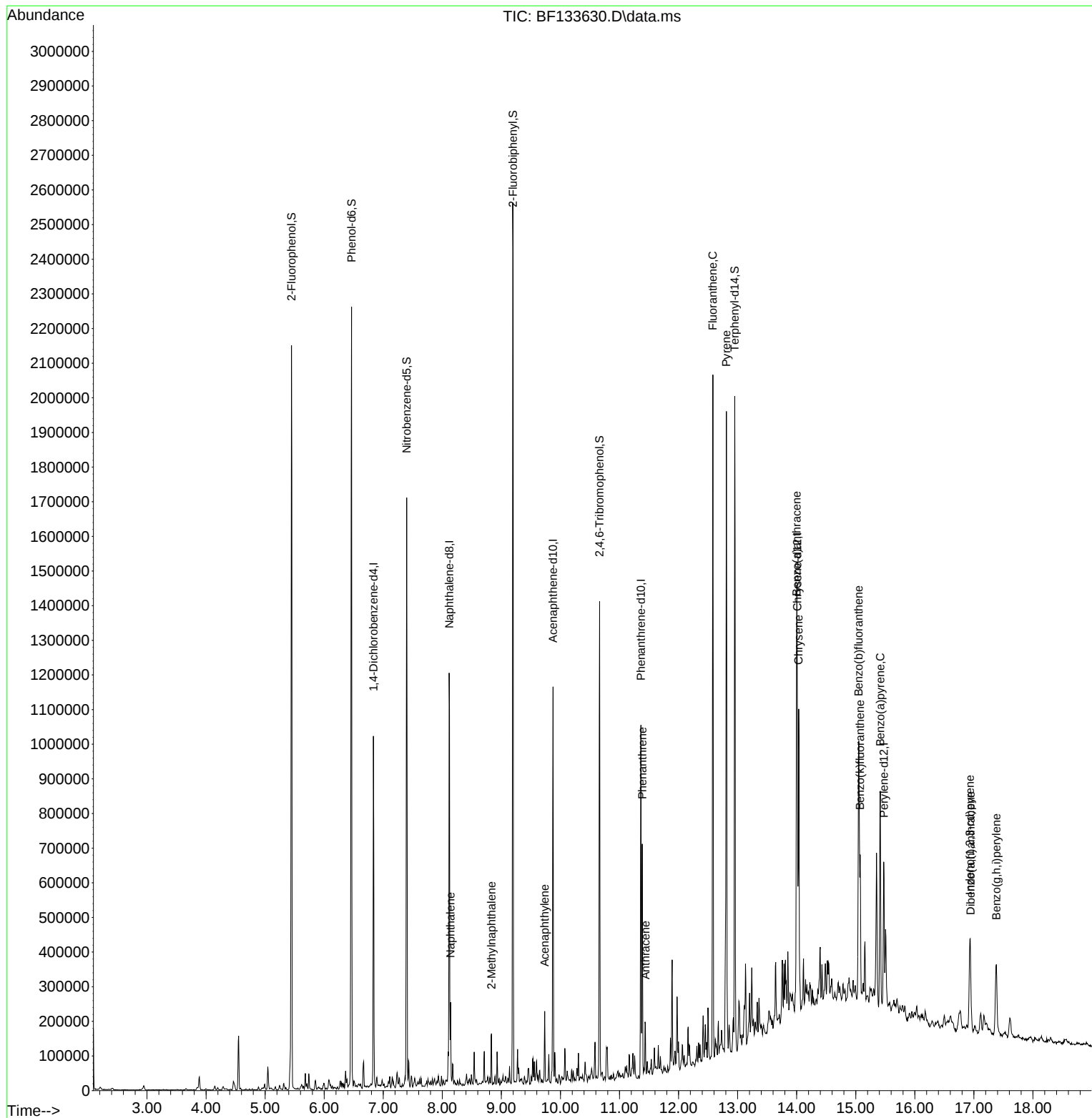
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060723\
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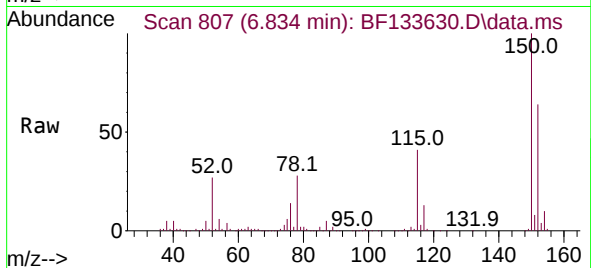
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

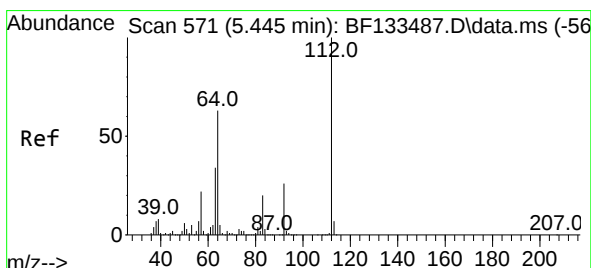
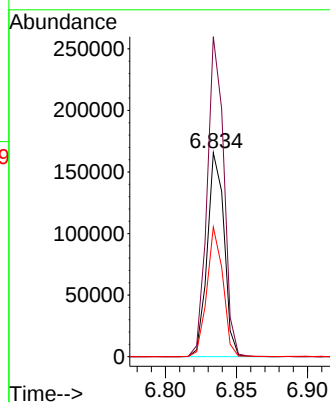
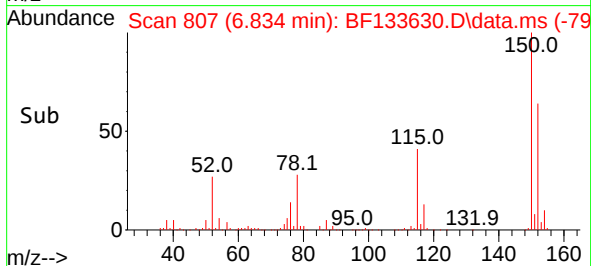
Instrument :
BNA_F
ClientSampleId :
RT-4648



Tgt Ion:152 Resp: 136458
Ion Ratio Lower Upper
152 100
150 156.9 124.9 187.3
115 63.6 48.1 72.1

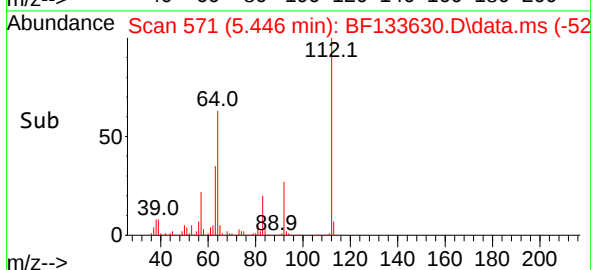
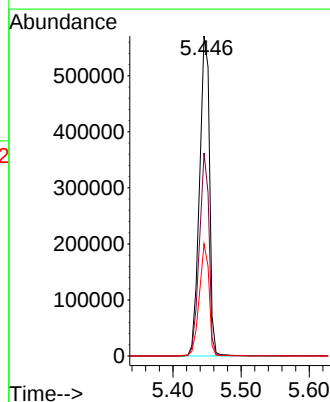
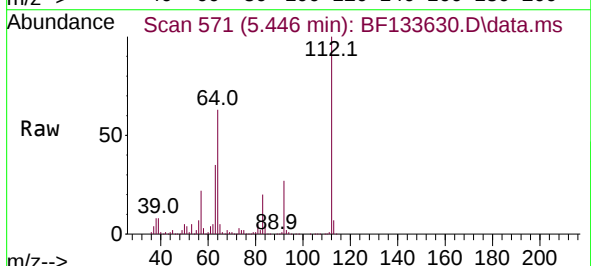
Manual Integrations
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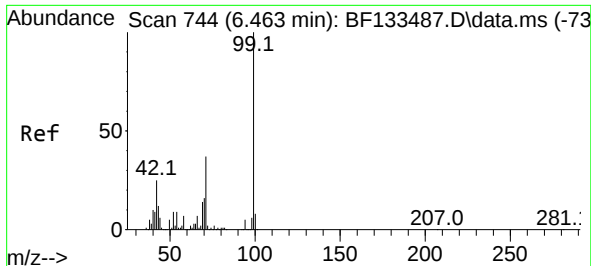
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#5
2-Fluorophenol
Concen: 71.370 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

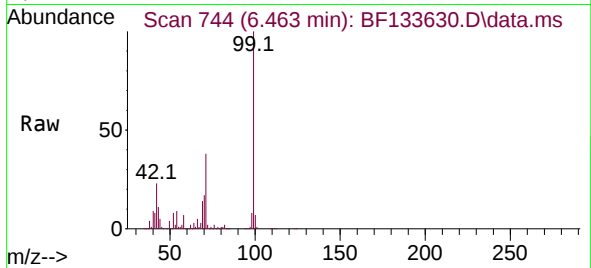
Tgt Ion:112 Resp: 583713
Ion Ratio Lower Upper
112 100
64 63.5 50.1 75.1
63 35.0 27.5 41.3





#7
Phenol-d6
Concen: 69.525 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

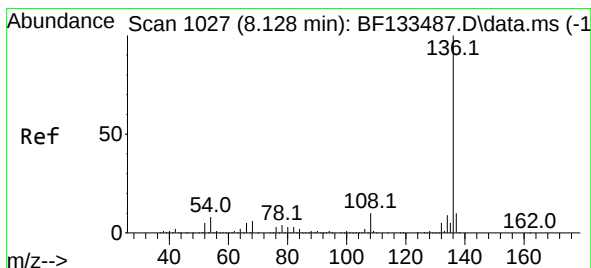
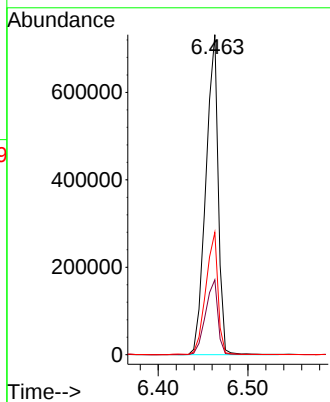
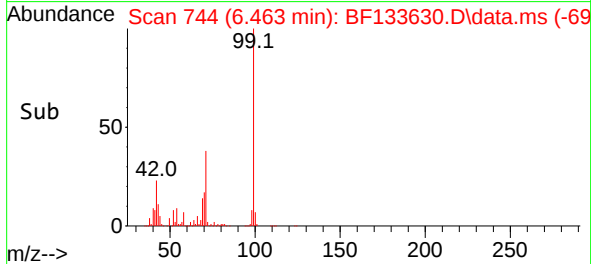
Instrument :
BNA_F
ClientSampleId :
RT-4648



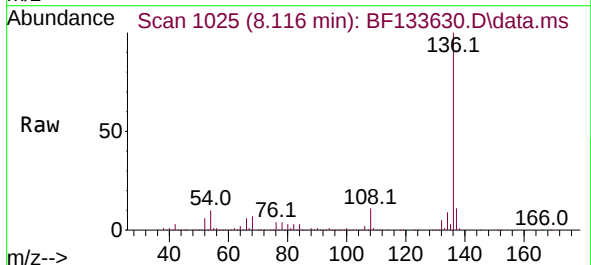
Tgt Ion: 99 Resp: 699974
Ion Ratio Lower Upper
99 100
42 23.4 19.7 29.5
71 38.2 29.8 44.8

Manual Integrations
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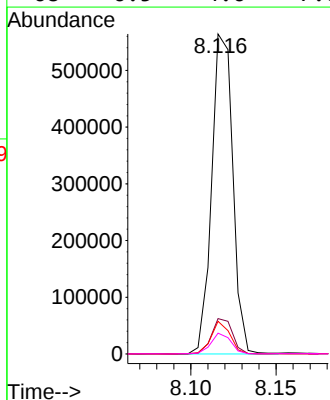
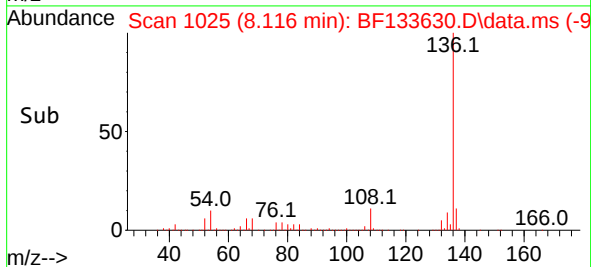
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55



Tgt Ion:136 Resp: 488487
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 10.2 6.6 10.0#
68 6.5 4.6 7.0





#23

Nitrobenzene-d5

Concen: 63.567 ng

RT: 7.398 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF133630.D

Acq: 07 Jun 2023 17:55

Instrument :

BNA_F

ClientSampleId :

RT-4648

Tgt Ion: 82 Resp: 46506

Ion Ratio Lower Upper

82 100

128 43.7 34.2 51.4

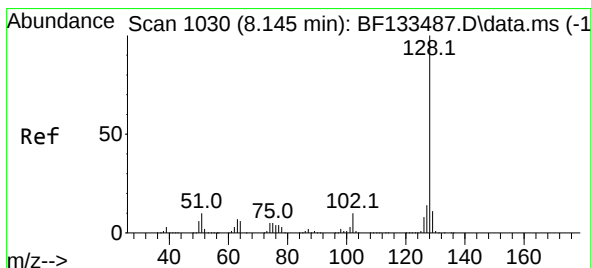
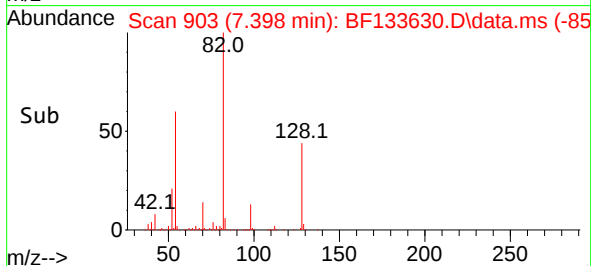
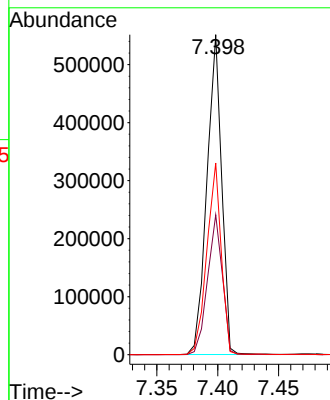
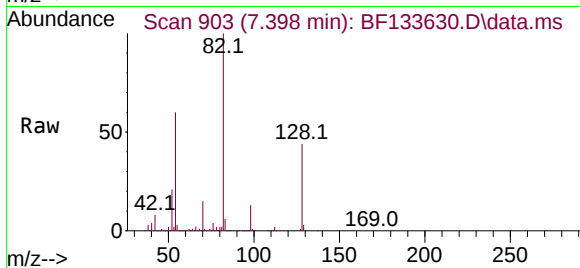
54 59.9 48.2 72.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/08/2023

Supervised By :mohammad ahmed 06/08/2023



#31

Naphthalene

Concen: 3.161 ng

RT: 8.139 min Scan# 1029

Delta R.T. -0.006 min

Lab File: BF133630.D

Acq: 07 Jun 2023 17:55

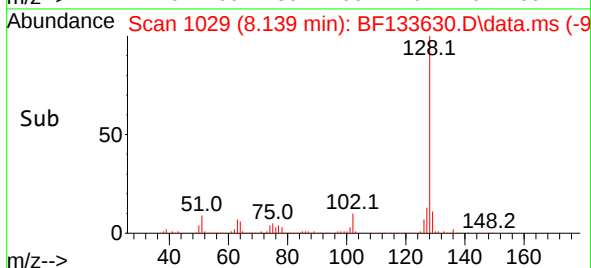
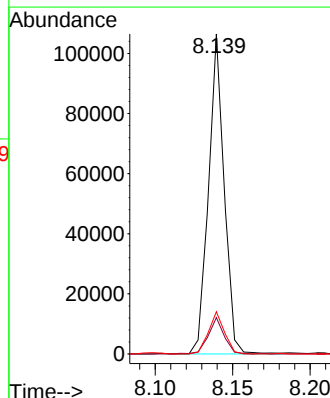
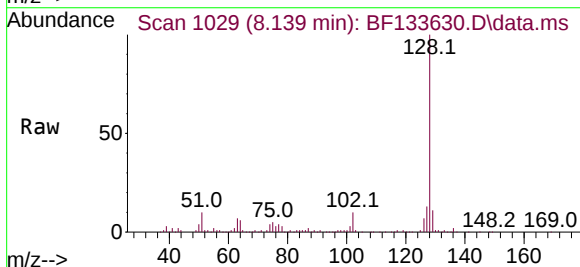
Tgt Ion:128 Resp: 74851

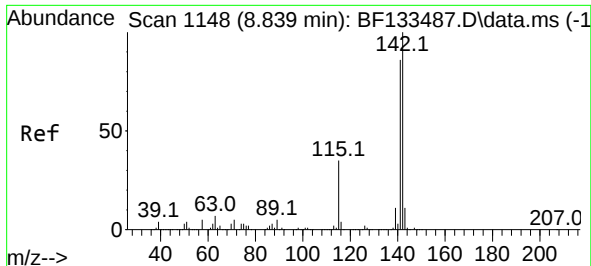
Ion Ratio Lower Upper

128 100

129 11.3 9.2 13.8

127 13.2 10.9 16.3





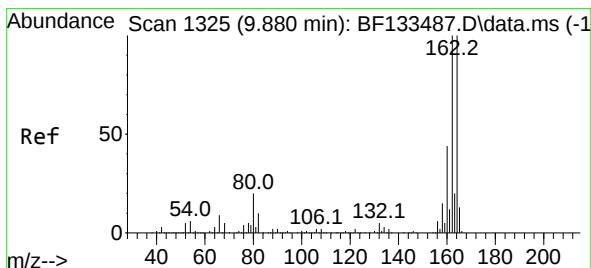
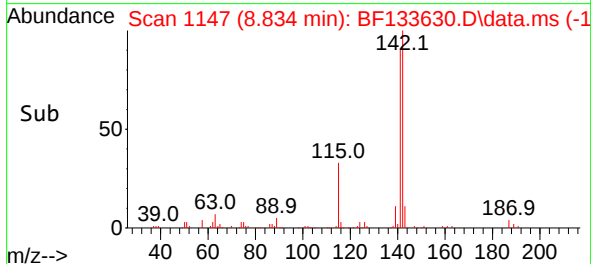
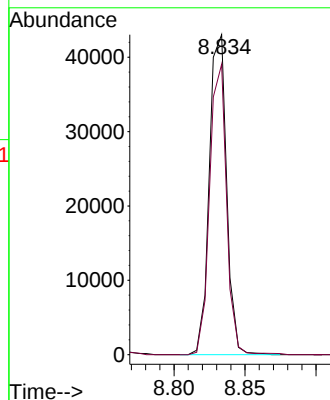
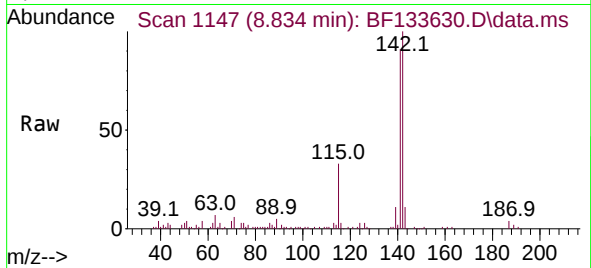
#37
2-Methylnaphthalene
Concen: 2.261 ng
RT: 8.834 min Scan# 1148
Delta R.T. 0.000 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

Instrument :
BNA_F
ClientSampleId :
RT-4648

Tgt Ion:142 Resp: 3656
Ion Ratio Lower Upper
142 100
141 90.8 69.2 103.8

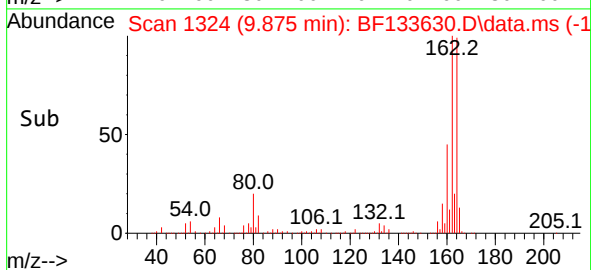
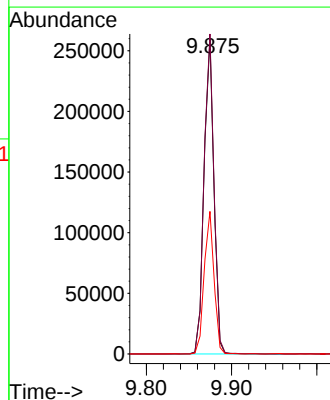
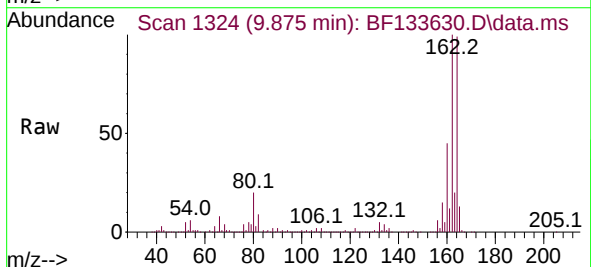
Manual Integrations
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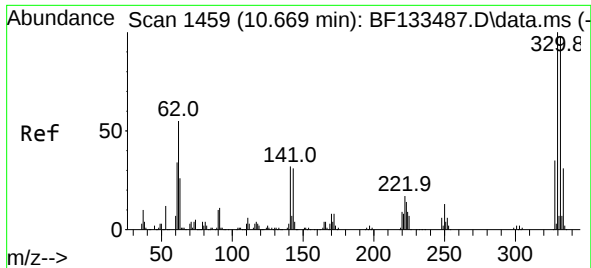
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

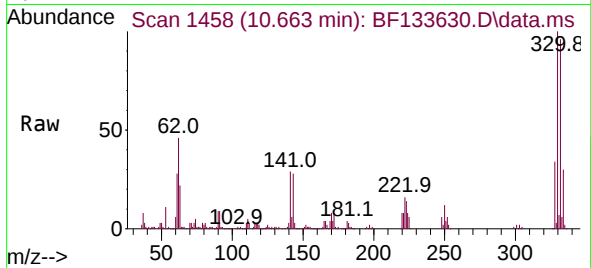
Tgt Ion:164 Resp: 209471
Ion Ratio Lower Upper
164 100
162 101.4 79.7 119.5
160 45.2 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 73.910 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

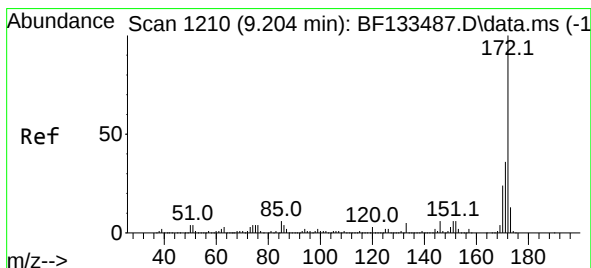
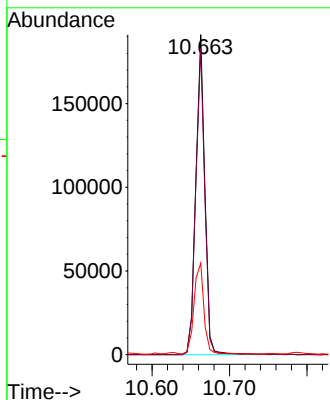
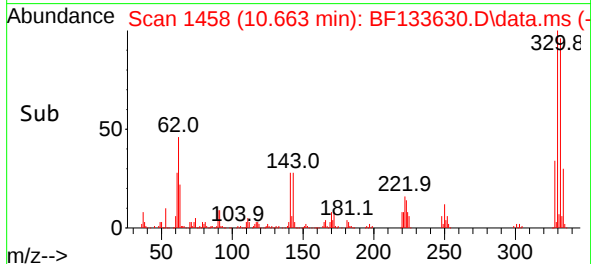
Instrument :
BNA_F
ClientSampleId :
RT-4648



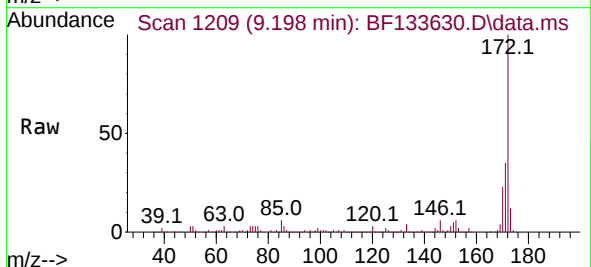
Tgt Ion:330 Resp: 154328
Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.6
141 30.6 26.6 40.0

Manual Integrations
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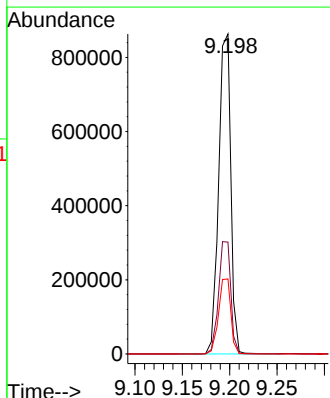
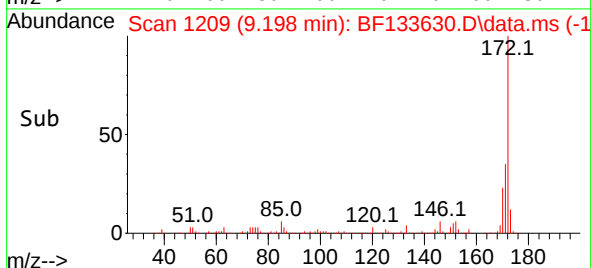
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

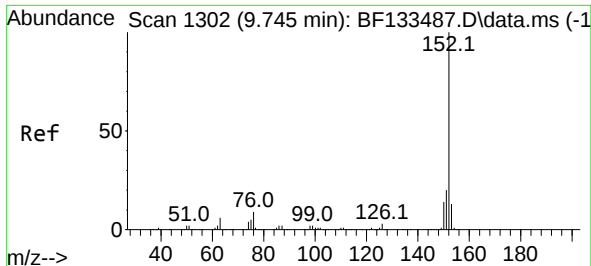


#45
2-Fluorobiphenyl
Concen: 56.933 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55



Tgt Ion:172 Resp: 772683
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.5 19.3 28.9





#49

Acenaphthylene

Concen: 3.432 ng

RT: 9.733 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133630.D

Acq: 07 Jun 2023 17:55

Instrument :

BNA_F

ClientSampleId :

RT-4648

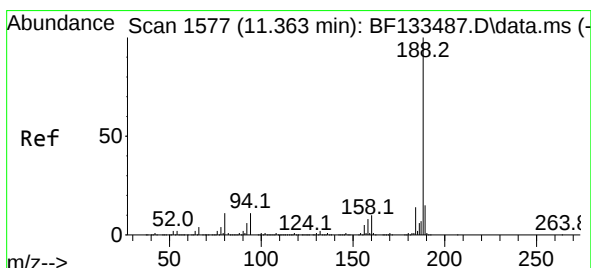
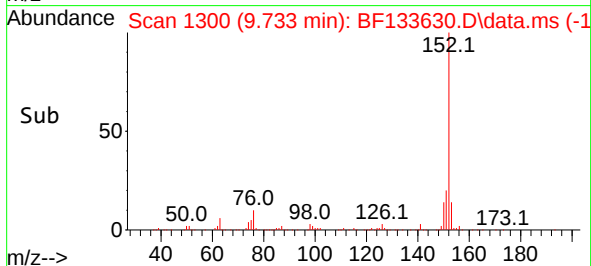
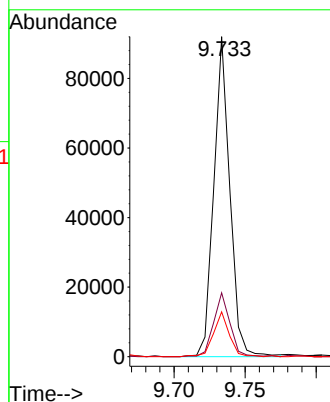
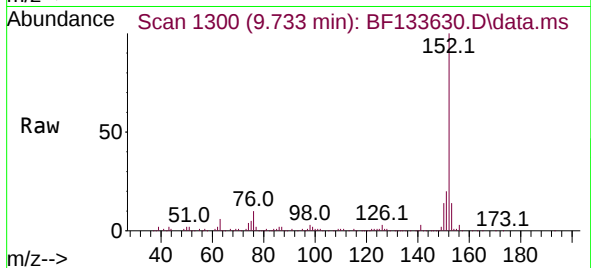
Tgt Ion:152	Resp:	7222
Ion Ratio	Lower	Upper
152	100	
151	20.0	16.0 24.0
153	14.0	10.4 15.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/08/2023

Supervised By :mohammad ahmed 06/08/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

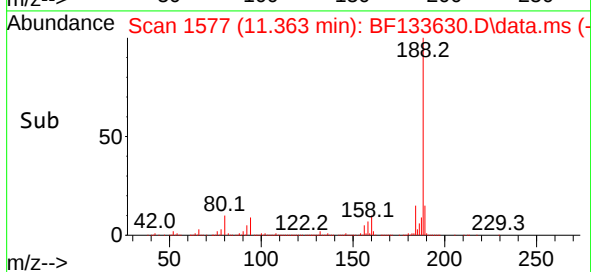
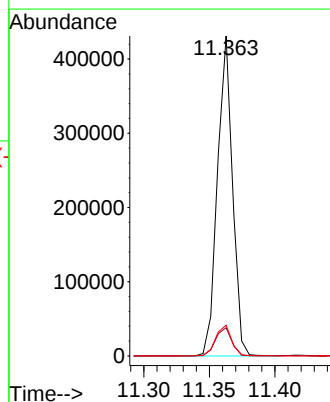
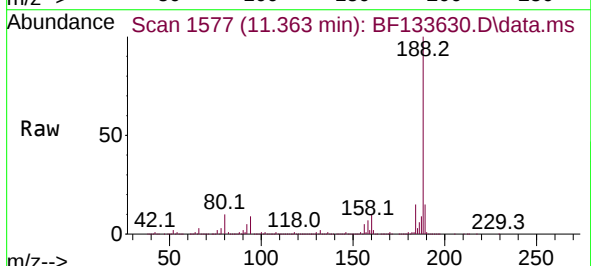
RT: 11.363 min Scan# 1577

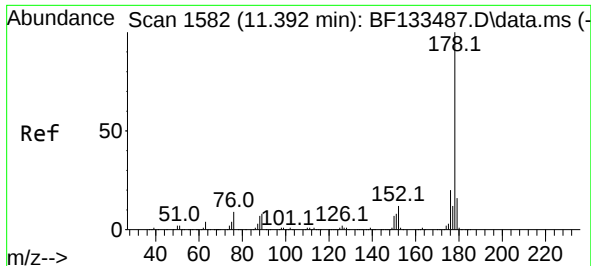
Delta R.T. -0.006 min

Lab File: BF133630.D

Acq: 07 Jun 2023 17:55

Tgt Ion:188	Resp:	344128
Ion Ratio	Lower	Upper
188	100	
94	8.8	8.6 12.8
80	9.6	9.2 13.8





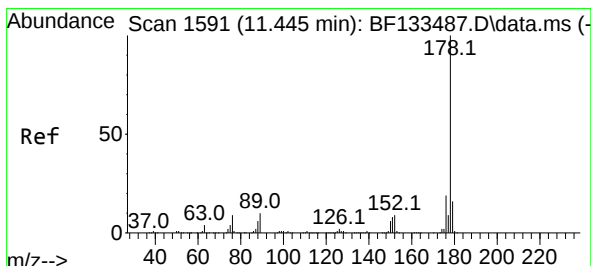
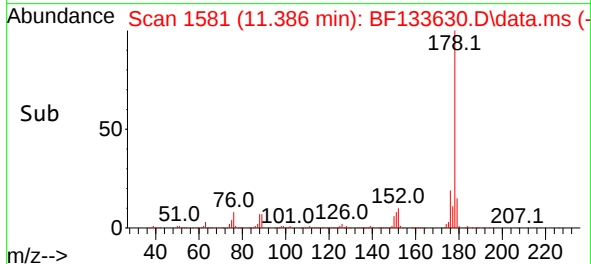
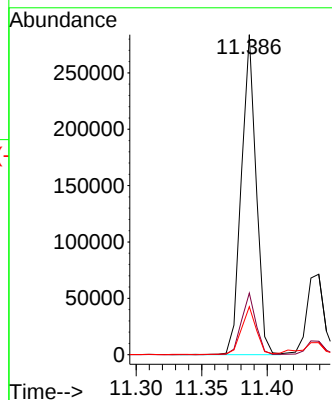
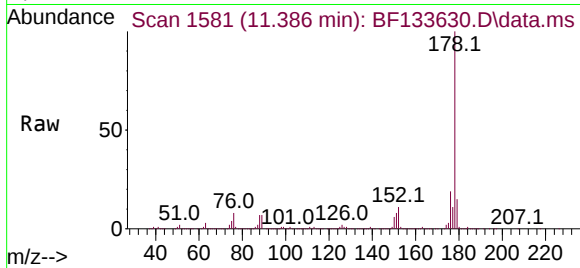
#71
Phenanthrene
Concen: 12.817 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

Instrument :
BNA_F
ClientSampleId :
RT-4648

Tgt Ion:178 Resp: 22339
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.0 12.4 18.6

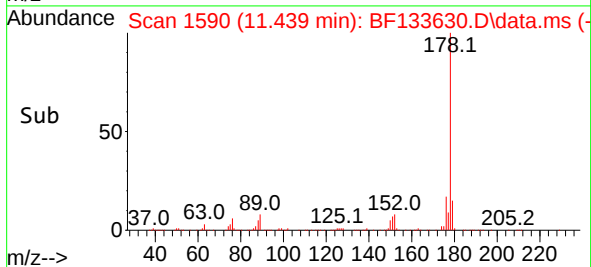
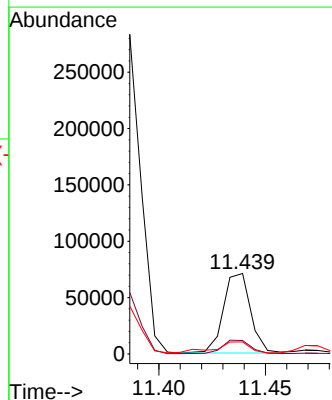
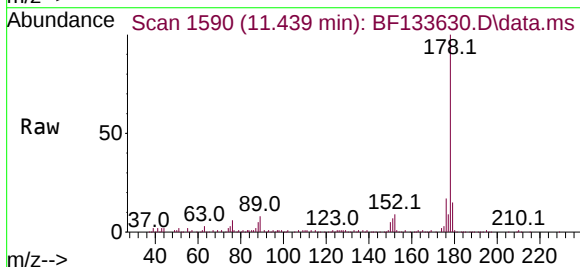
Manual Integrations
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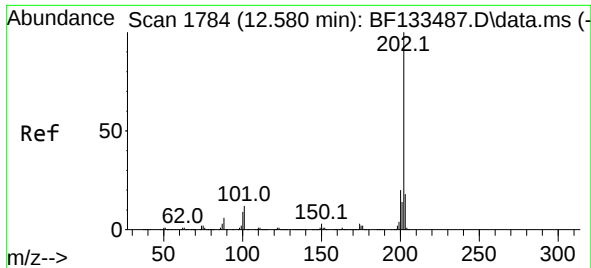
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#72
Anthracene
Concen: 3.492 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

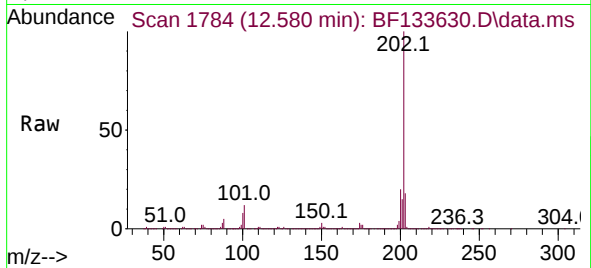
Tgt Ion:178 Resp: 62648
Ion Ratio Lower Upper
178 100
176 16.8 15.3 22.9
179 15.0 12.6 18.8





#75
Fluoranthene
Concen: 38.467 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

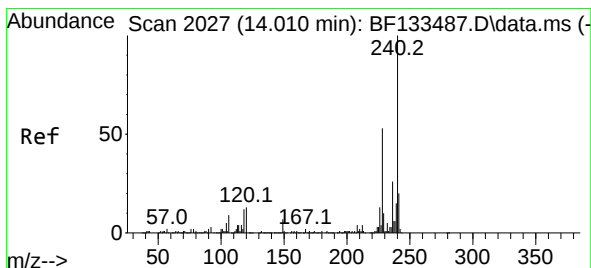
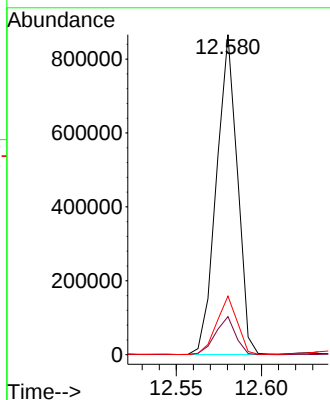
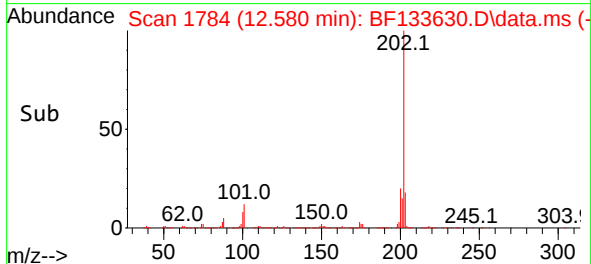
Instrument :
BNA_F
ClientSampleId :
RT-4648



Tgt Ion:202 Resp: 740580
Ion Ratio Lower Upper
202 100
101 11.9 0.0 32.2
203 18.3 0.0 37.8

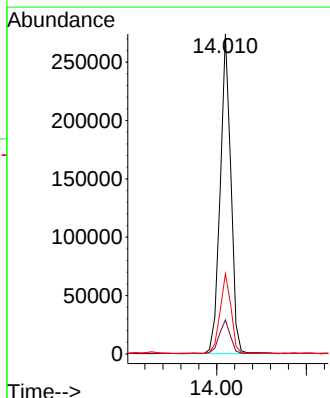
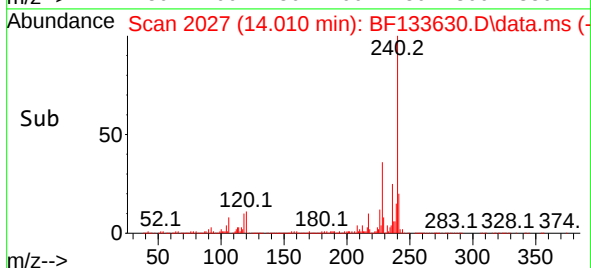
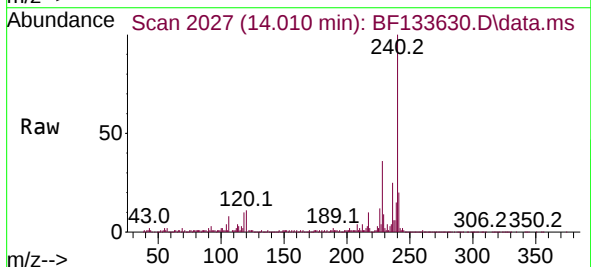
Manual Integrations
APPROVED

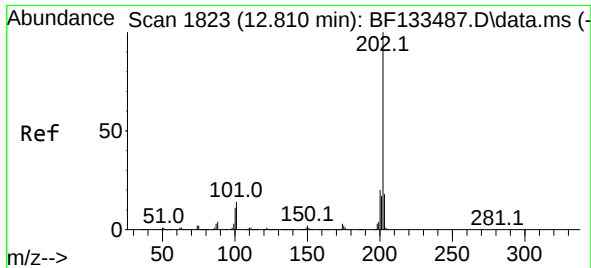
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

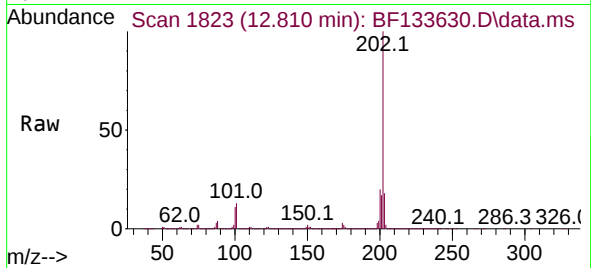
Tgt Ion:240 Resp: 225473
Ion Ratio Lower Upper
240 100
120 10.6 10.3 15.5
236 25.0 20.5 30.7





#78
Pyrene
Concen: 39.580 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

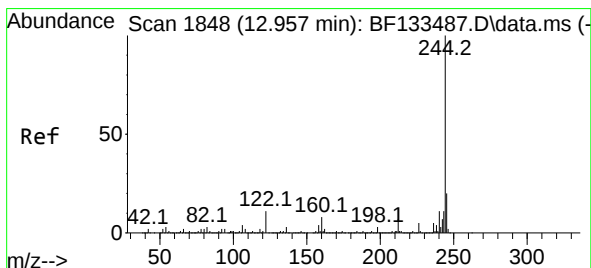
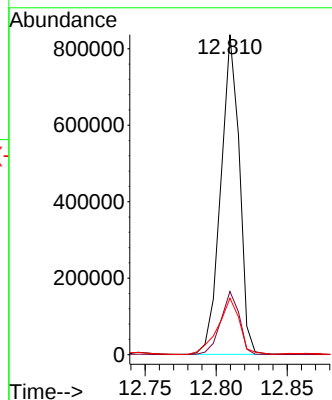
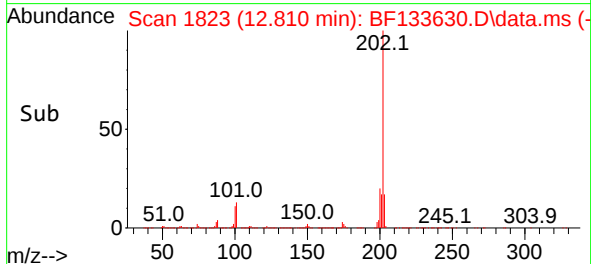
Instrument :
BNA_F
ClientSampleId :
RT-4648



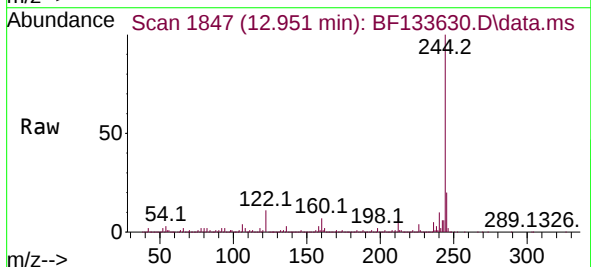
Tgt Ion:202 Resp: 75941
Ion Ratio Lower Upper
202 100
200 19.7 16.3 24.5
203 17.6 14.3 21.5

Manual Integrations
APPROVED

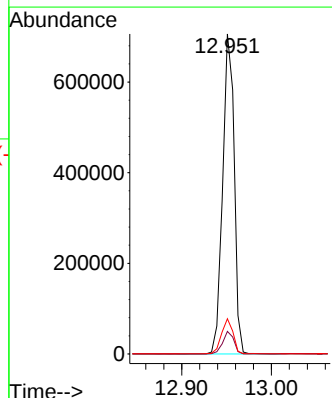
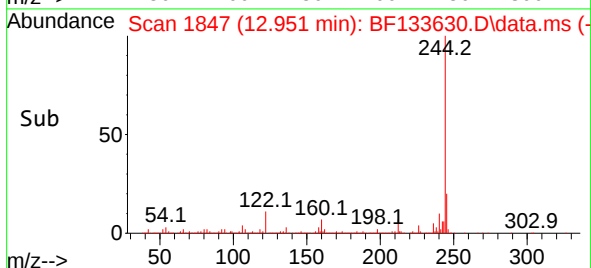
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

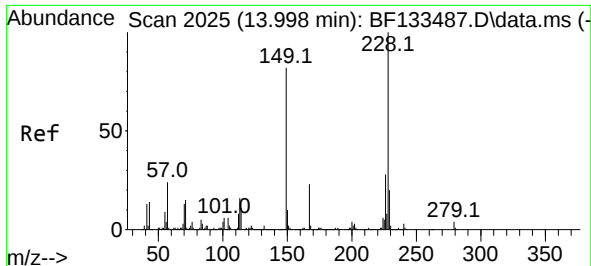


#79
Terphenyl-d14
Concen: 49.731 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55



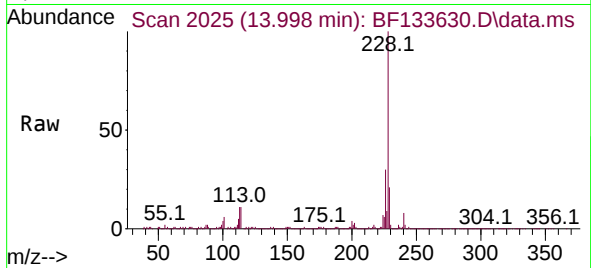
Tgt Ion:244 Resp: 630656
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 11.0 8.5 12.7





#81
Benzo(a)anthracene
Concen: 26.695 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

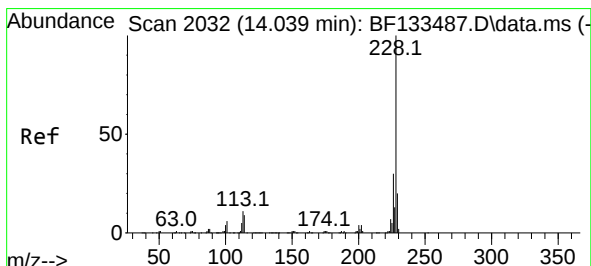
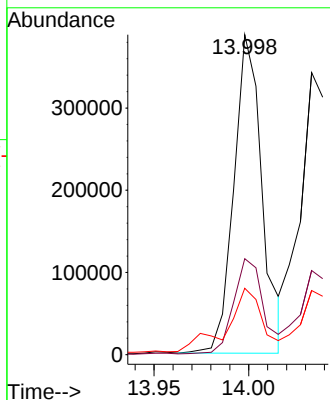
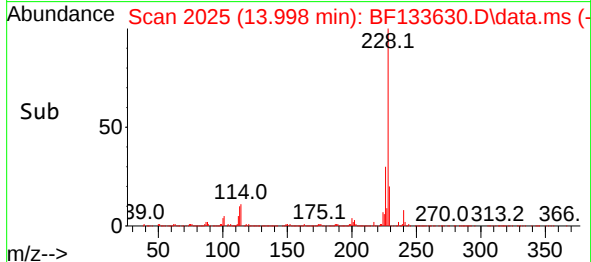
Instrument :
BNA_F
ClientSampleId :
RT-4648



Tgt Ion:228 Resp: 400968
Ion Ratio Lower Upper
228 100
226 30.0 22.3 33.5
229 20.7 16.1 24.1

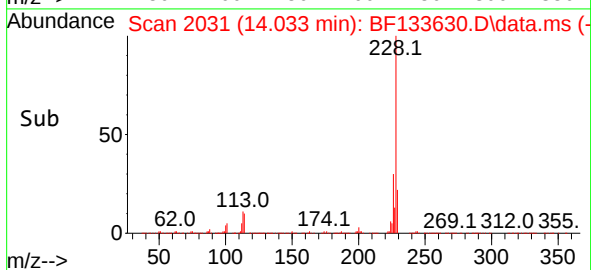
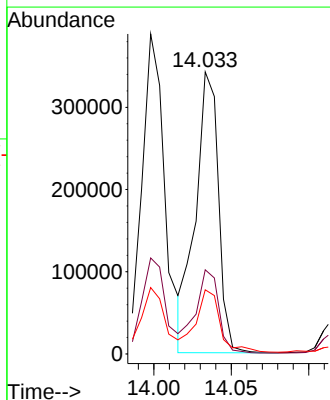
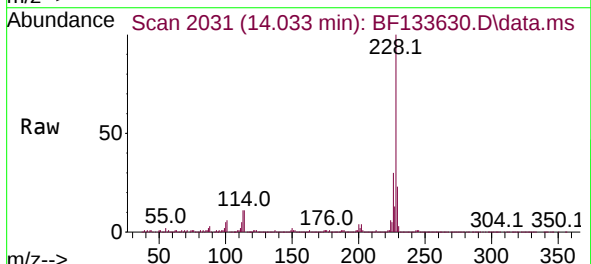
Manual Integrations
APPROVED

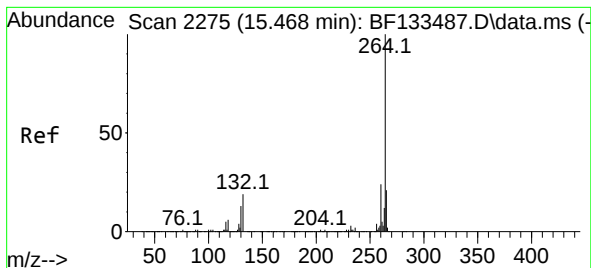
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#83
Chrysene
Concen: 23.244 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

Tgt Ion:228 Resp: 352460
Ion Ratio Lower Upper
228 100
226 29.8 24.1 36.1
229 22.7 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133630.D

Acq: 07 Jun 2023 17:55

Instrument :

BNA_F

ClientSampleId :

RT-4648

Tgt Ion:264 Resp: 185514

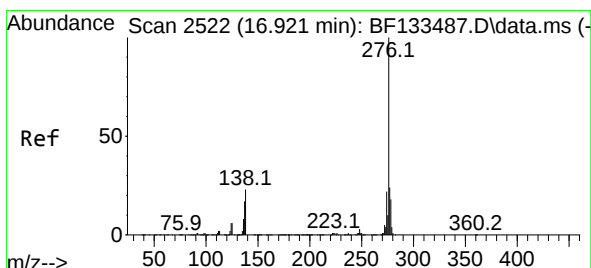
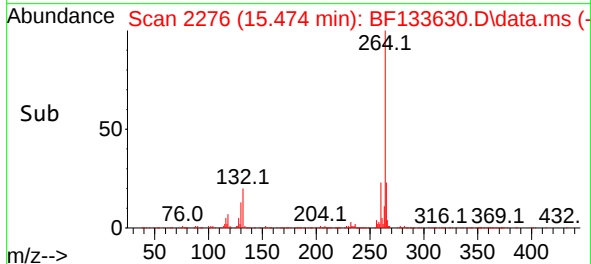
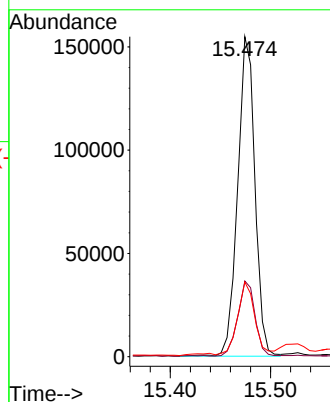
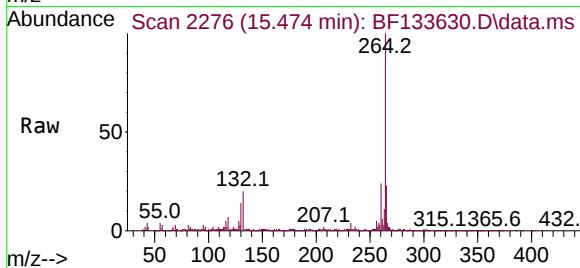
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	23.3	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/08/2023

Supervised By :mohammad ahmed 06/08/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 15.994 ng m

RT: 16.933 min Scan# 2524

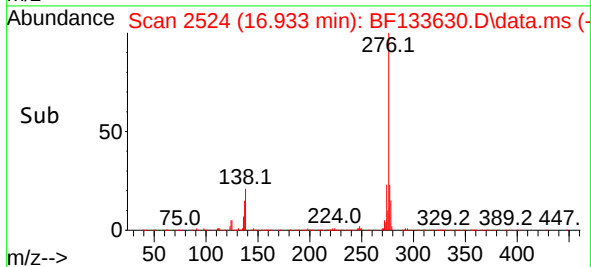
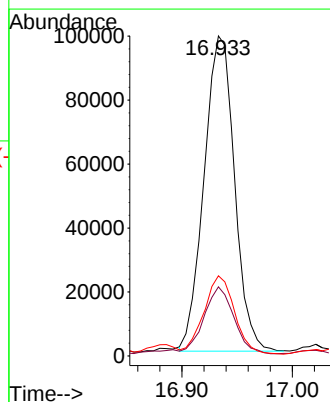
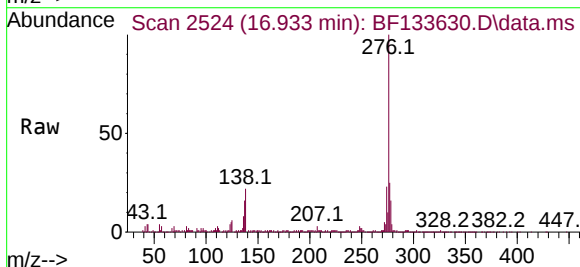
Delta R.T. -0.012 min

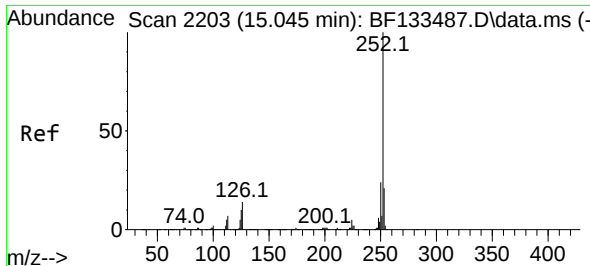
Lab File: BF133630.D

Acq: 07 Jun 2023 17:55

Tgt Ion:276 Resp: 189003

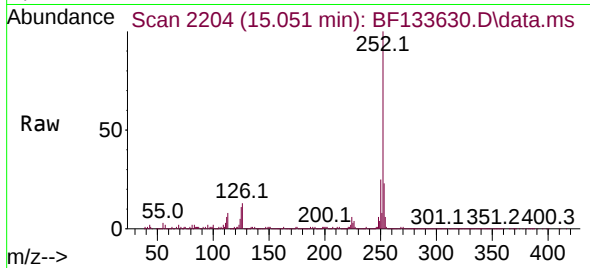
Ion	Ratio	Lower	Upper
276	100		
138	4.9	21.4	32.2#
277	4.4	20.0	30.0#





#88
Benzo(b)fluoranthene
Concen: 37.679 ng m
RT: 15.051 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

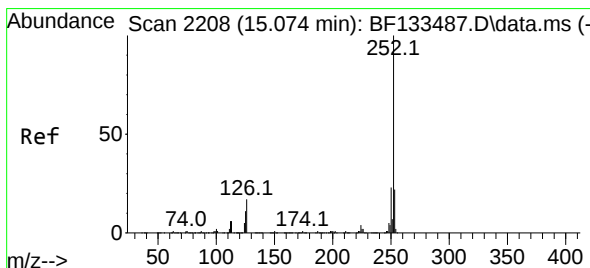
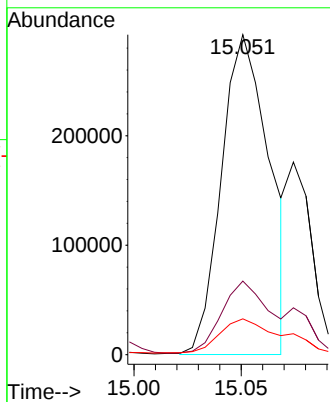
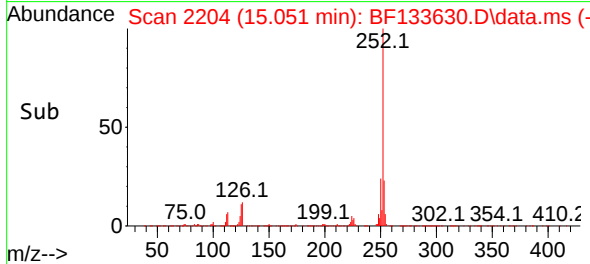
Instrument :
BNA_F
ClientSampleId :
RT-4648



Tgt Ion:252 Resp: 455164
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 11.2 8.1 12.1

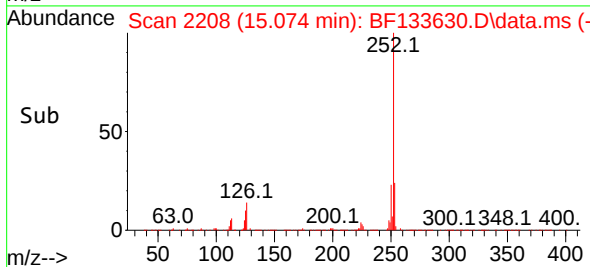
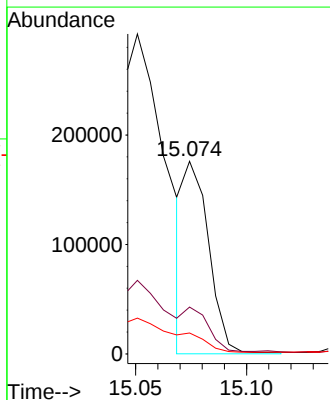
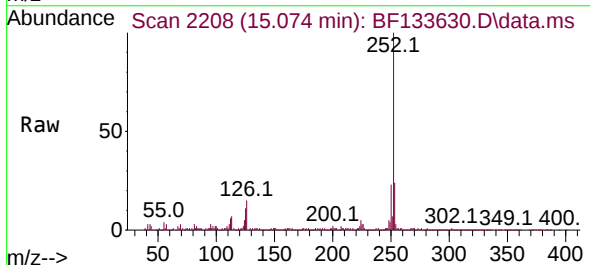
Manual Integrations
APPROVED

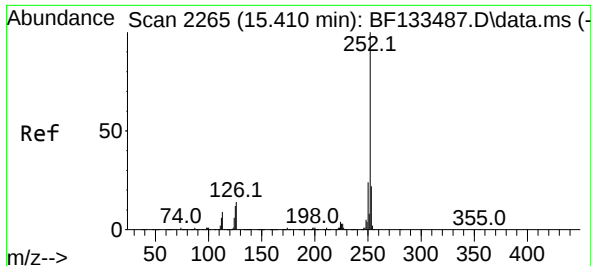
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#89
Benzo(k)fluoranthene
Concen: 11.633 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

Tgt Ion:252 Resp: 137030
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.2
125 10.9 8.3 12.5





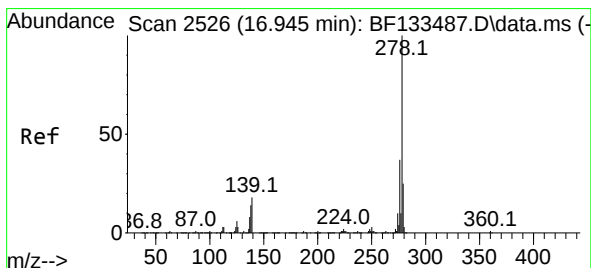
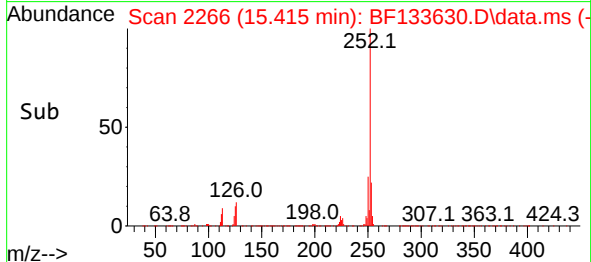
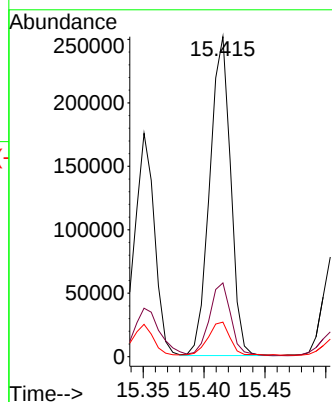
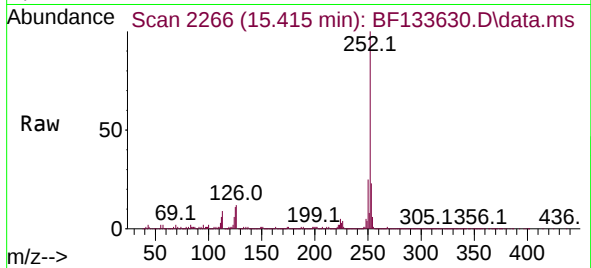
#90
Benzo(a)pyrene
Concen: 27.200 ng
RT: 15.415 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

Instrument :
BNA_F
ClientSampleId :
RT-4648

Tgt Ion:252 Resp: 298984
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 10.8 9.4 14.0

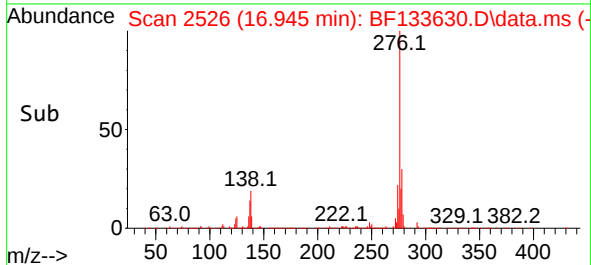
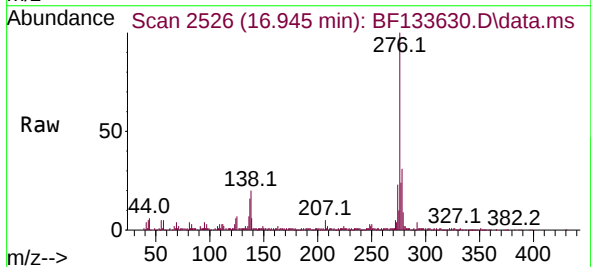
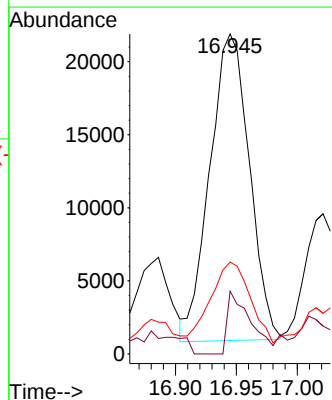
Manual Integrations
APPROVED

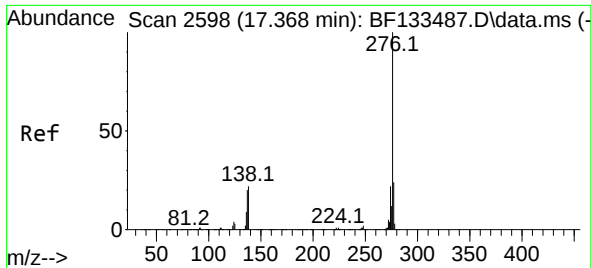
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#91
Dibenzo(a,h)anthracene
Concen: 4.950 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.023 min
Lab File: BF133630.D
Acq: 07 Jun 2023 17:55

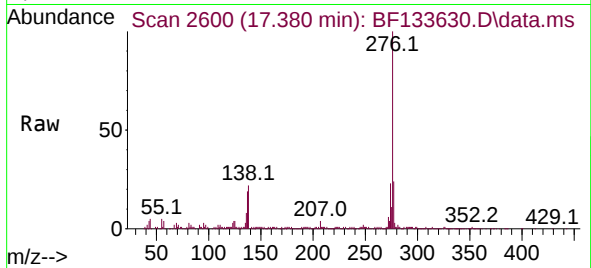
Tgt Ion:278 Resp: 47428
Ion Ratio Lower Upper
278 100
139 19.6 14.1 21.1
279 28.7 19.7 29.5





#92
 Benzo(g,h,i)perylene
 Concen: 18.039 ng
 RT: 17.380 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF133630.D
 Acq: 07 Jun 2023 17:55

Instrument :
 BNA_F
 ClientSampleId :
 RT-4648



Tgt Ion:276 Resp: 174274
 Ion Ratio Lower Upper
 276 100
 277 24.1 18.8 28.2
 138 21.9 17.8 26.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/08/2023
 Supervised By :mohammad ahmed 06/08/2023

