

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134001.D
 Acq On : 27 Jun 2023 20:43
 Operator : CG\JU
 Sample : 03402-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP4-0623

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 28 01:31:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	102362	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	359974	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	147341	20.000	ng	0.00
64) Phenanthrene-d10	11.381	188	245158	20.000	ng	0.00
76) Chrysene-d12	14.045	240	175964	20.000	ng	0.00
86) Perylene-d12	15.551	264	138687	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	623220	101.845	ng	0.00
7) Phenol-d6	6.487	99	740686	98.423	ng	0.00
23) Nitrobenzene-d5	7.416	82	486424	72.841	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	163978	88.763	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	827165	81.621	ng	0.00
79) Terphenyl-d14	12.980	244	746044	68.235	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	36959	2.126	ng	99
37) 2-Methylnaphthalene	8.845	142	33885	2.756	ng	99
71) Phenanthrene	11.404	178	80142	6.494	ng	97
75) Fluoranthene	12.604	202	109712	8.223	ng	99
78) Pyrene	12.833	202	101785	6.216	ng	99
81) Benzo(a)anthracene	14.033	228	55965	4.586	ng	96
83) Chrysene	14.069	228	50636m	4.284	ng	
87) Indeno(1,2,3-cd)pyrene	17.092	276	25276	2.626	ng	97
88) Benzo(b)fluoranthene	15.104	252	56840m	6.970	ng	
89) Benzo(k)fluoranthene	15.133	252	21120m	2.544	ng	
90) Benzo(a)pyrene	15.486	252	39310	4.985	ng	# 88
92) Benzo(g,h,i)perylene	17.562	276	24222	2.988	ng	# 91

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

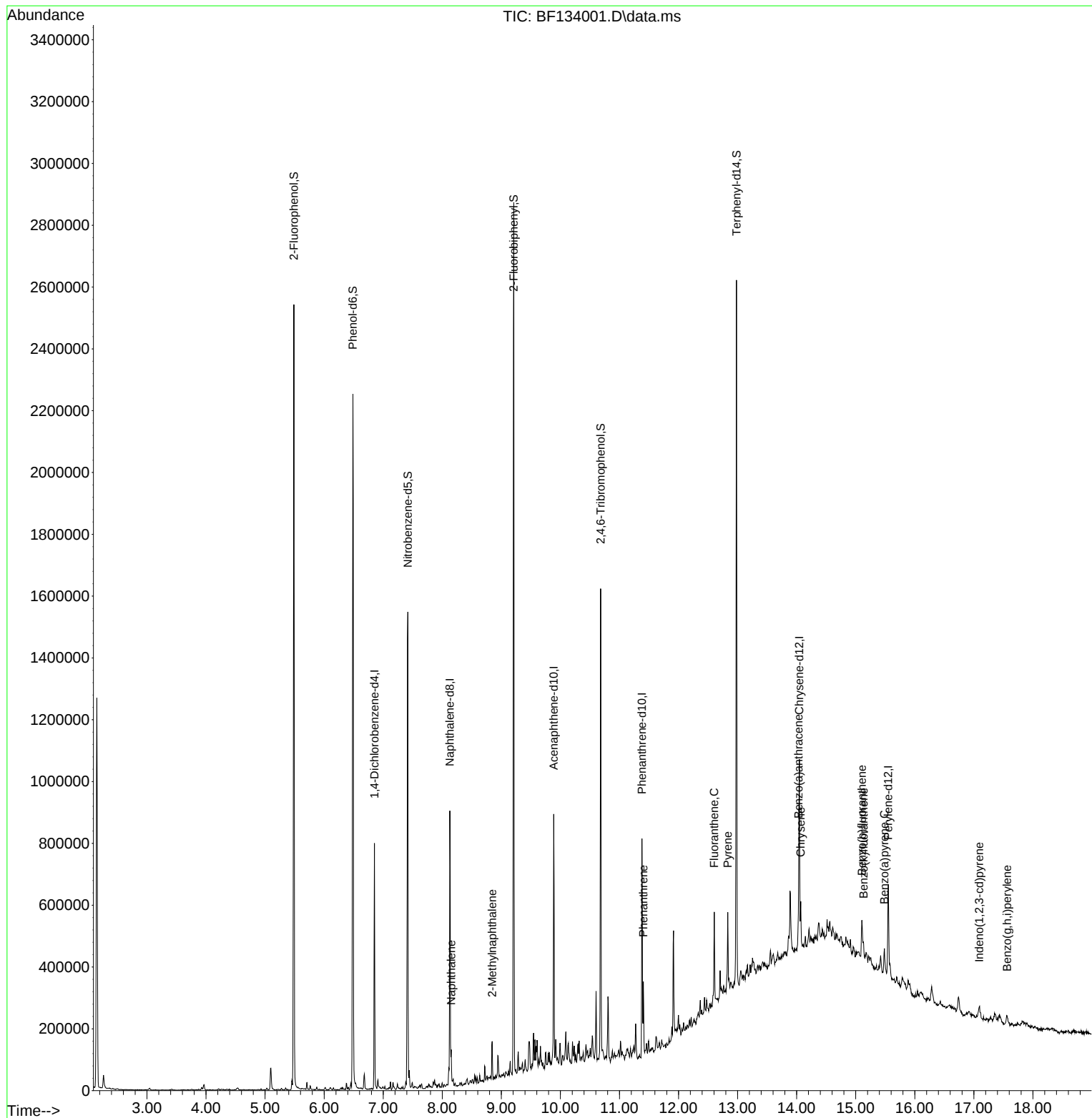
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134001.D
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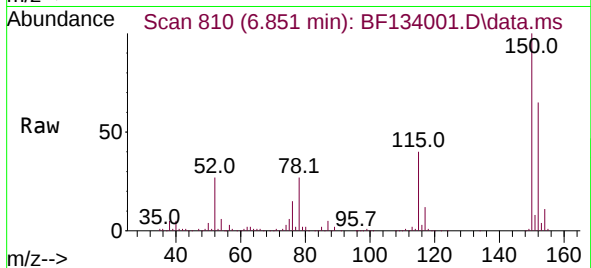
Quant Time: Jun 28 01:31:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 23:12:04 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

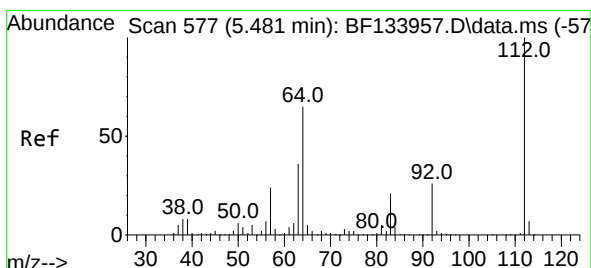
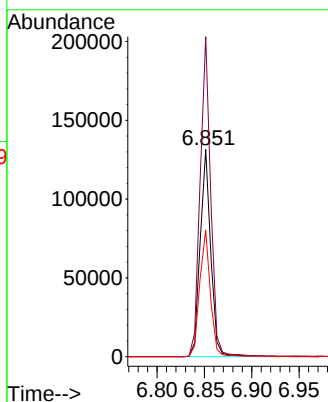
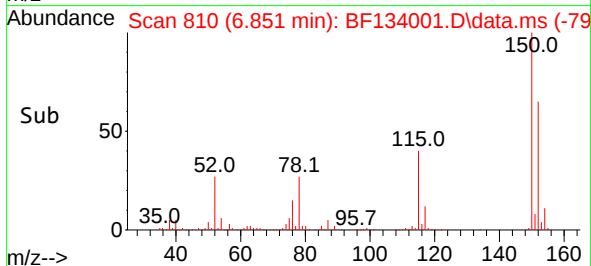
Instrument :
BNA_F
ClientSampleId :
TP4-0623



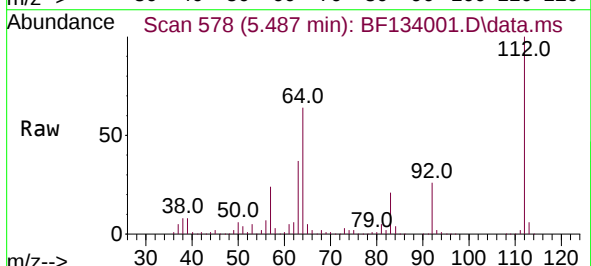
Tgt Ion:152 Resp: 102362
Ion Ratio Lower Upper
152 100
150 154.4 124.5 186.7
115 61.1 50.2 75.2

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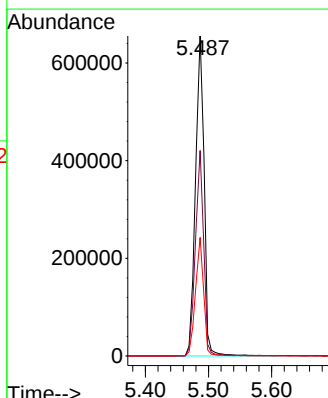
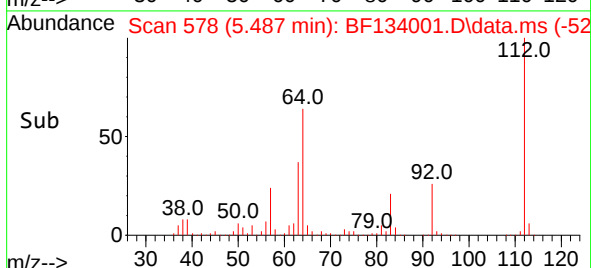
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

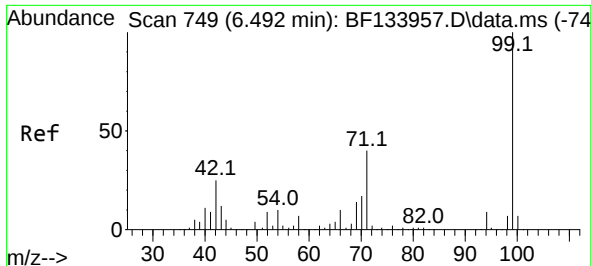


#5
2-Fluorophenol
Concen: 101.845 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43



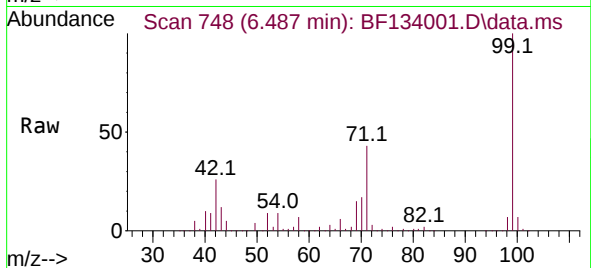
Tgt Ion:112 Resp: 623220
Ion Ratio Lower Upper
112 100
64 64.2 52.1 78.1
63 37.1 28.6 42.8





#7
Phenol-d6
Concen: 98.423 ng
RT: 6.487 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

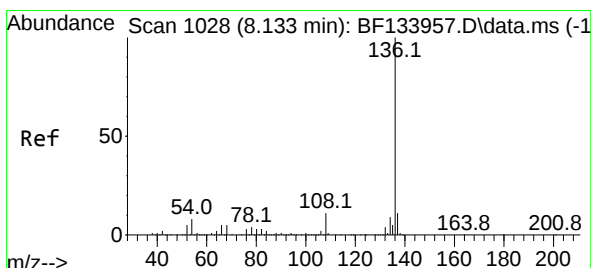
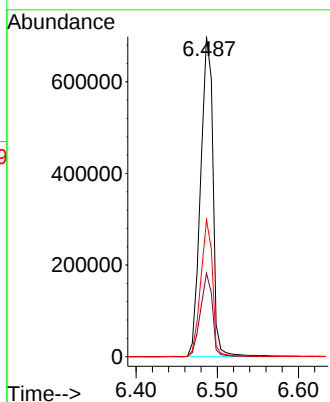
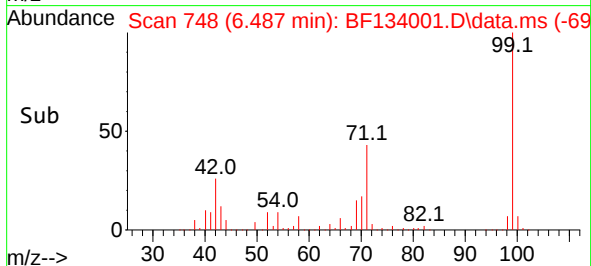
Instrument :
BNA_F
ClientSampleId :
TP4-0623



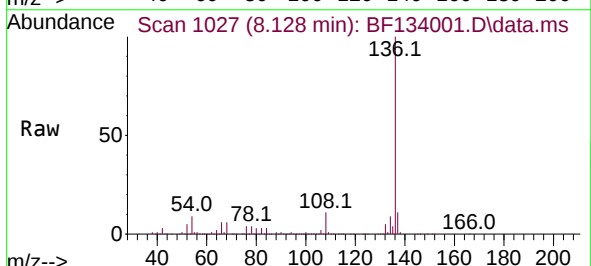
Tgt Ion: 99 Resp: 740680
Ion Ratio Lower Upper
99 100
42 26.0 19.8 29.6
71 42.7 31.9 47.9

Manual Integrations
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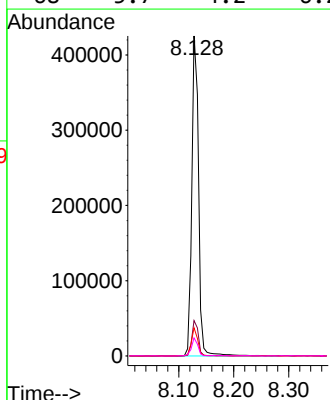
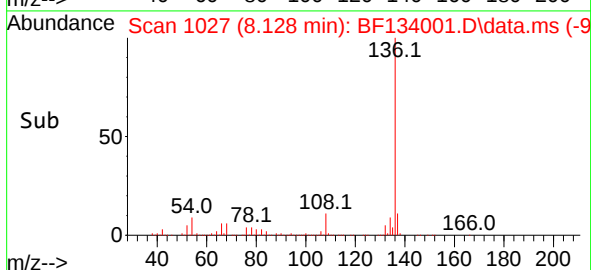
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

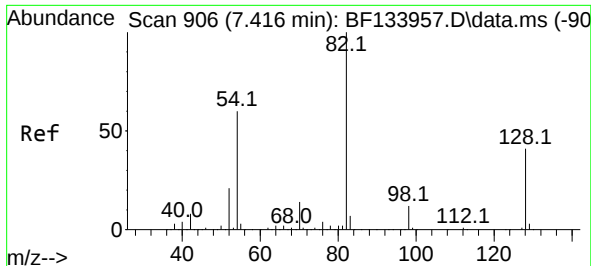


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43



Tgt Ion:136 Resp: 359974
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 8.8 6.5 9.7
68 5.7 4.2 6.2





#23
Nitrobenzene-d5
Concen: 72.841 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

Instrument :

BNA_F

ClientSampleId :

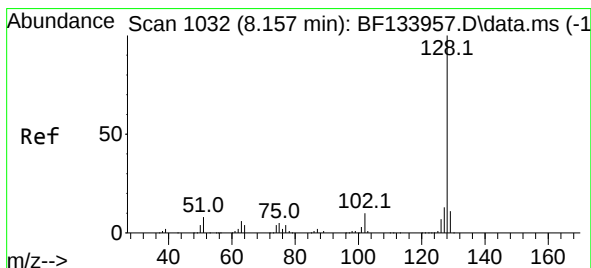
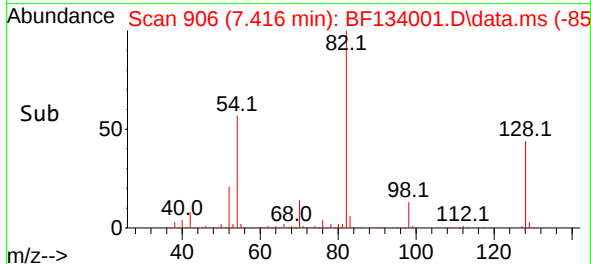
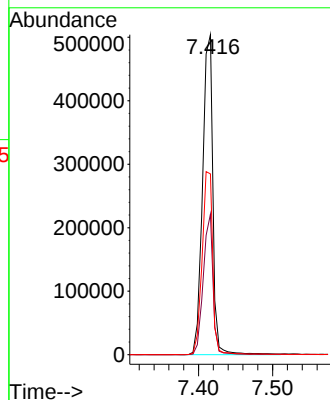
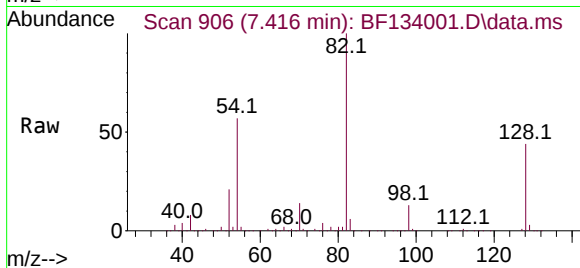
TP4-0623

Tgt Ion: 82 Resp: 486424
Ion Ratio Lower Upper
82 100
128 43.9 32.5 48.7
54 56.5 48.2 72.2

Manual Integrations

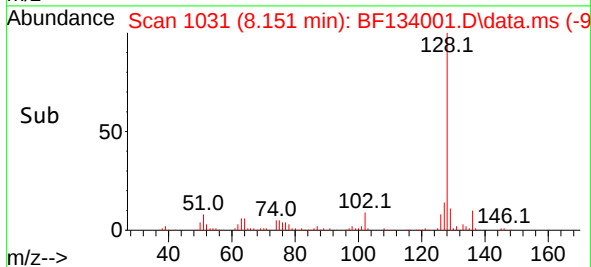
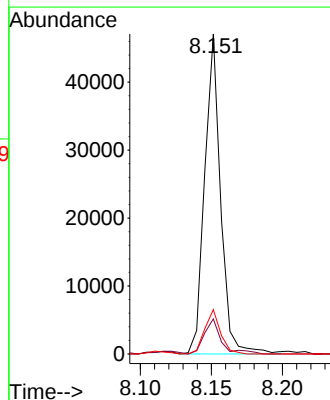
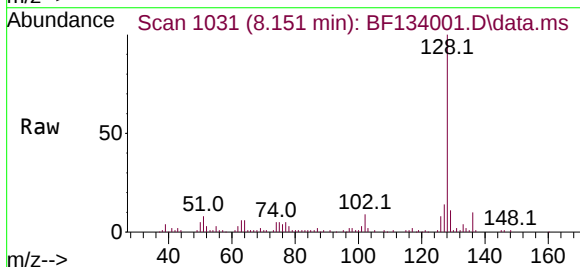
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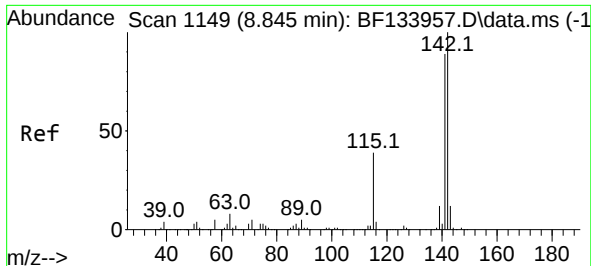
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#31
Naphthalene
Concen: 2.126 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

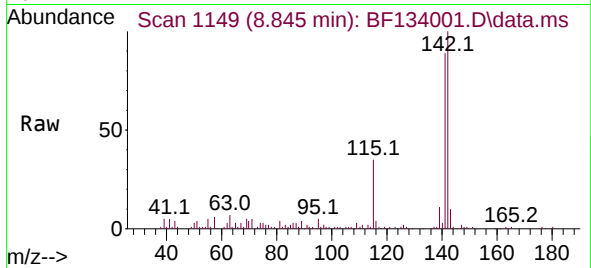
Tgt Ion:128 Resp: 36959
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.8 10.6 15.8





#37
2-Methylnaphthalene
Concen: 2.756 ng
RT: 8.845 min Scan# 1149
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

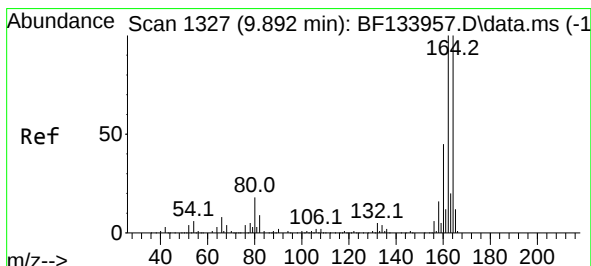
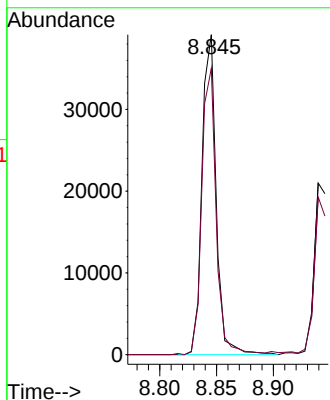
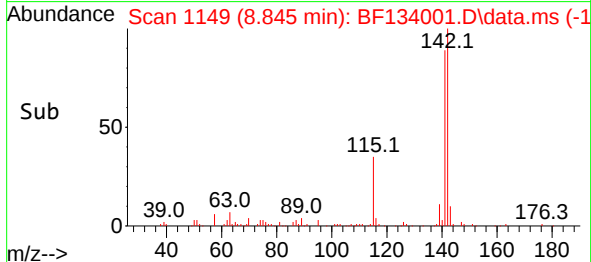
Instrument :
BNA_F
ClientSampleId :
TP4-0623



Tgt Ion:142 Resp: 3388
Ion Ratio Lower Upper
142 100
141 89.5 71.0 106.4

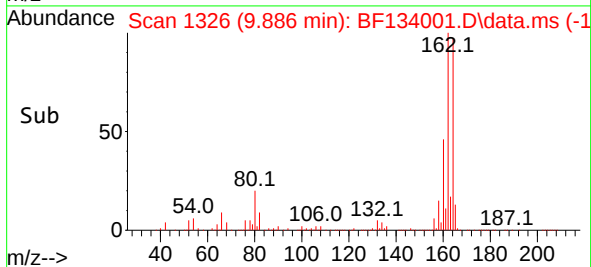
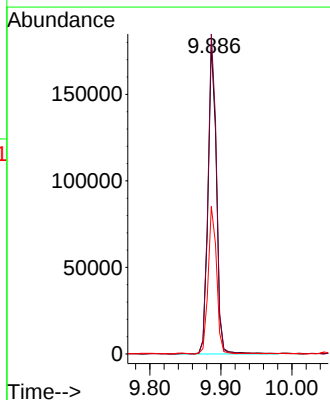
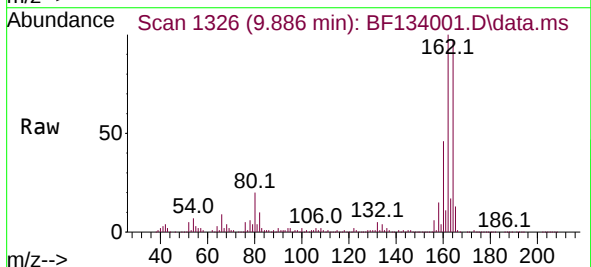
Manual Integrations
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

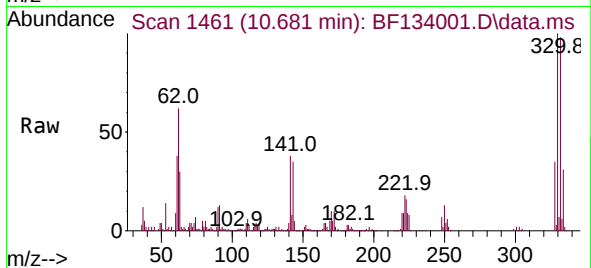
Tgt Ion:164 Resp: 147341
Ion Ratio Lower Upper
164 100
162 103.5 80.0 120.0
160 47.7 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 88.763 ng
RT: 10.681 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

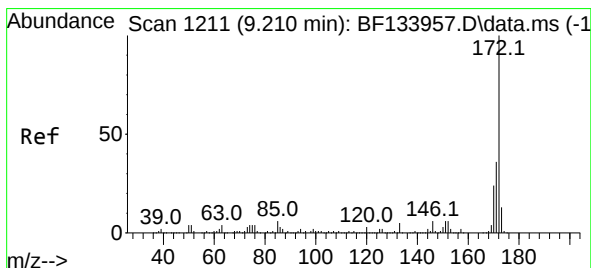
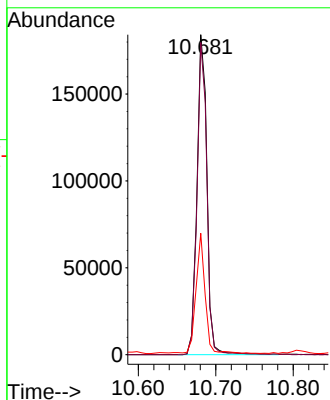
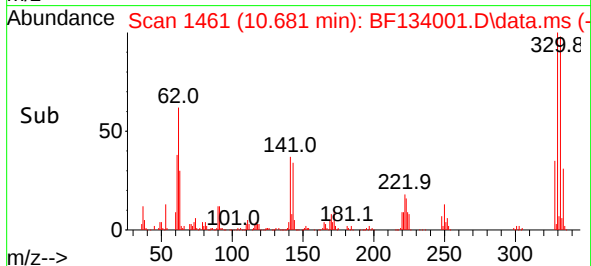
Instrument :
BNA_F
ClientSampleId :
TP4-0623



Tgt Ion:330 Resp: 163978
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 34.3 26.3 39.5

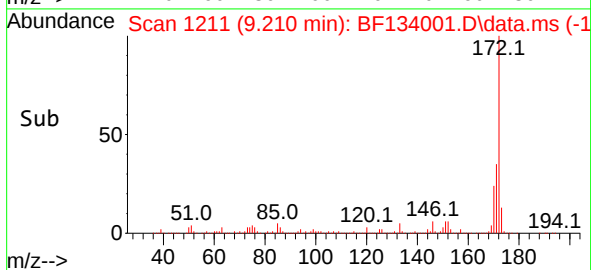
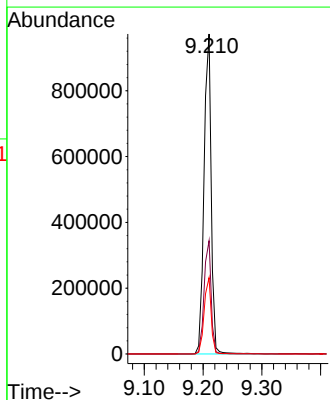
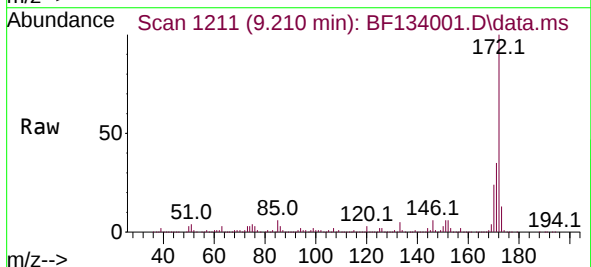
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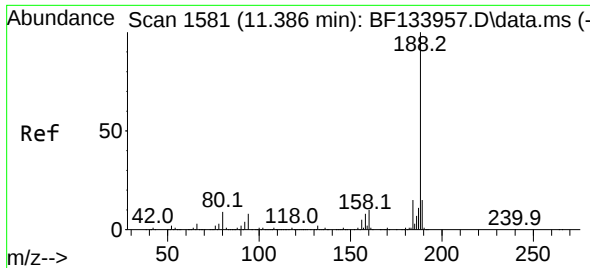
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#45
2-Fluorobiphenyl
Concen: 81.621 ng
RT: 9.210 min Scan# 1211
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

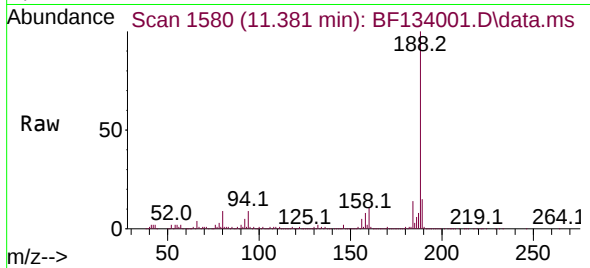
Tgt Ion:172 Resp: 827165
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.8 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.381 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

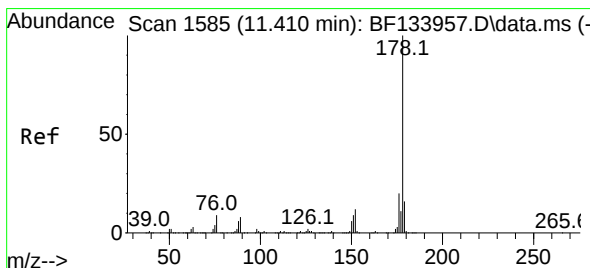
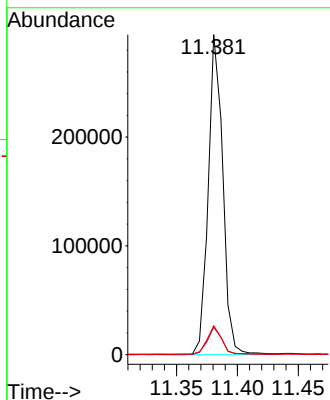
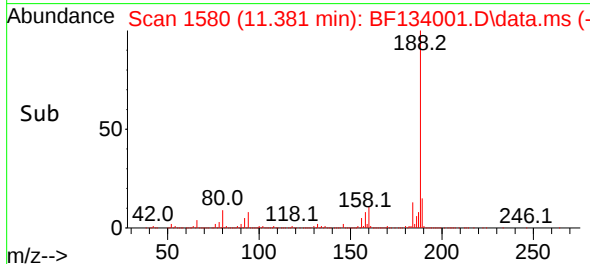
Instrument :
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Tgt Ion:188 Resp: 245158
Ion Ratio Lower Upper
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94 8.6 6.4 9.6
80 9.0 7.3 10.9

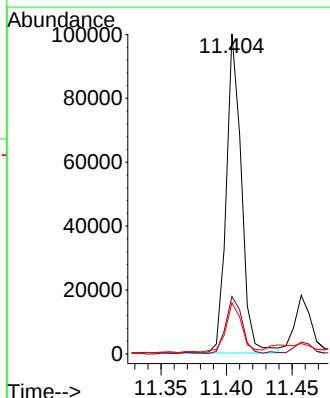
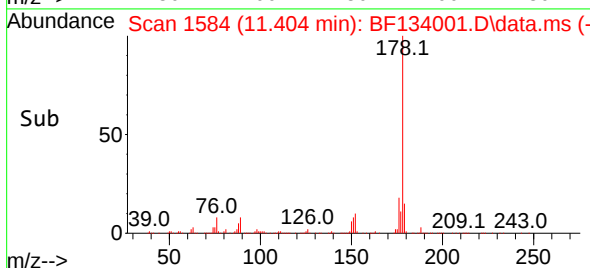
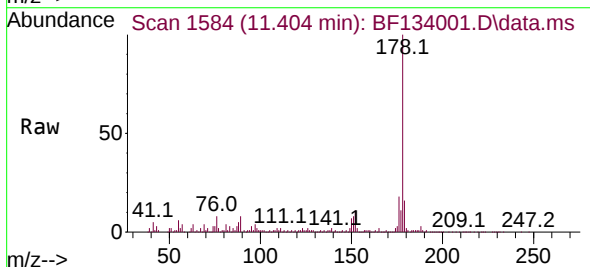
Manual Integrations
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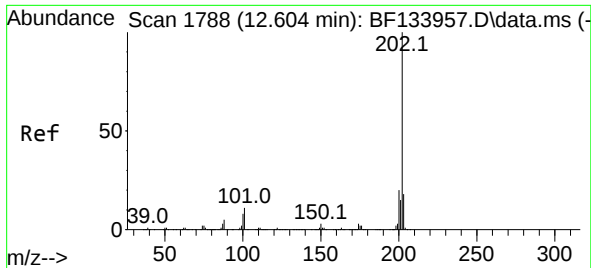
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#71
Phenanthrene
Concen: 6.494 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

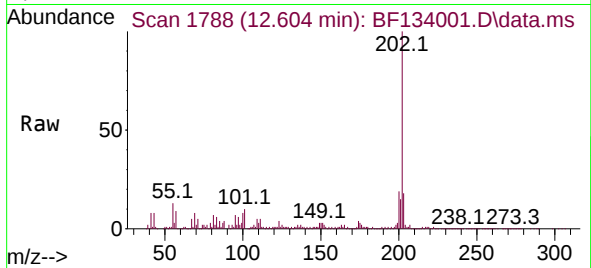
Tgt Ion:178 Resp: 80142
Ion Ratio Lower Upper
178 100
176 17.9 16.0 24.0
179 16.0 12.4 18.6





#75
Fluoranthene
Concen: 8.223 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

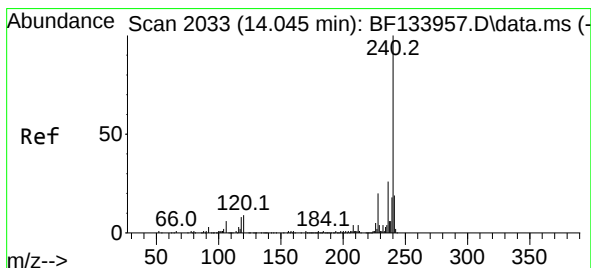
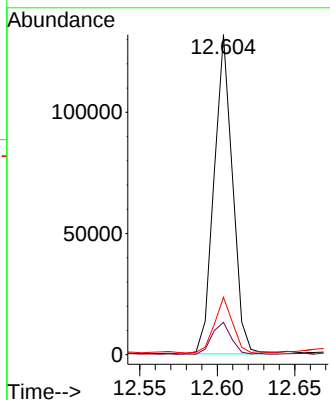
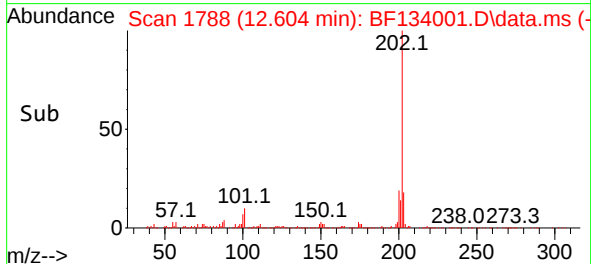
Instrument :
BNA_F
ClientSampleId :
TP4-0623



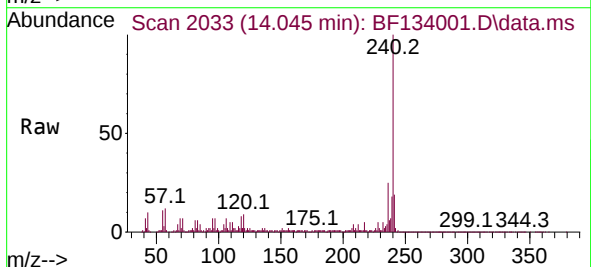
Tgt Ion:202 Resp: 109712
Ion Ratio Lower Upper
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101 10.1 0.0 31.0
203 17.9 0.0 37.6

Manual Integrations
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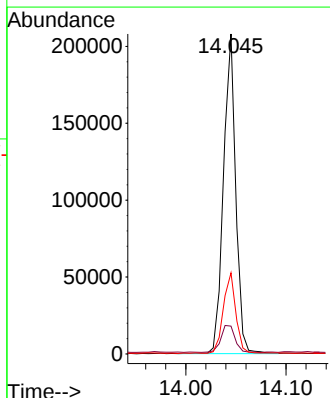
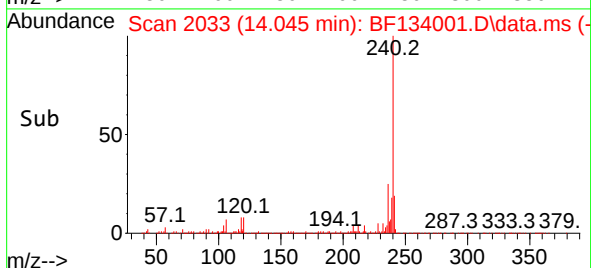
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

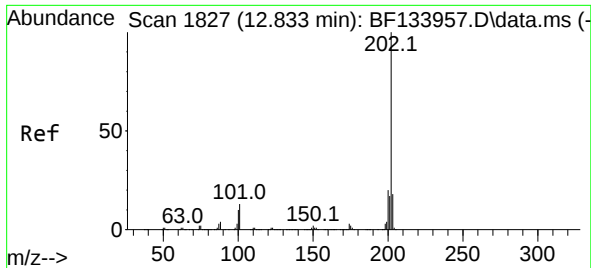


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43



Tgt Ion:240 Resp: 175964
Ion Ratio Lower Upper
240 100
120 8.7 7.4 11.0
236 25.4 21.0 31.6





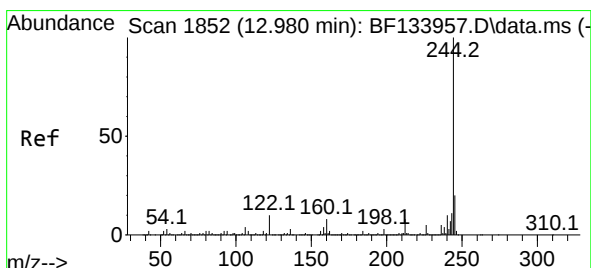
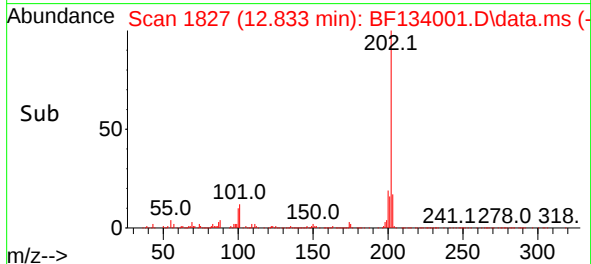
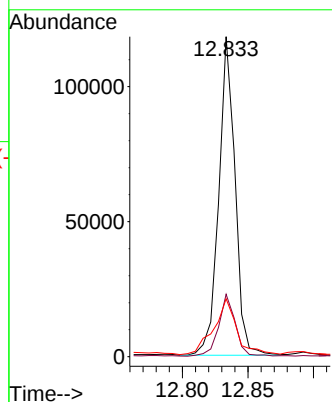
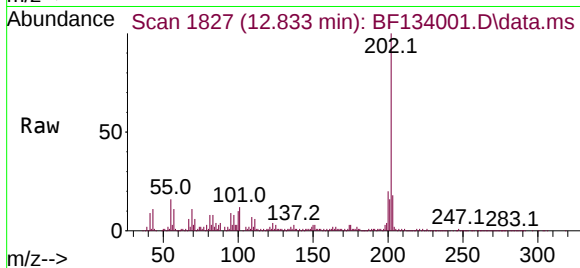
#78
Pyrene
Concen: 6.216 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

Instrument :
BNA_F
ClientSampleId :
TP4-0623

Tgt Ion:202 Resp: 101785
Ion Ratio Lower Upper
202 100
200 19.5 16.1 24.1
203 18.1 14.3 21.5

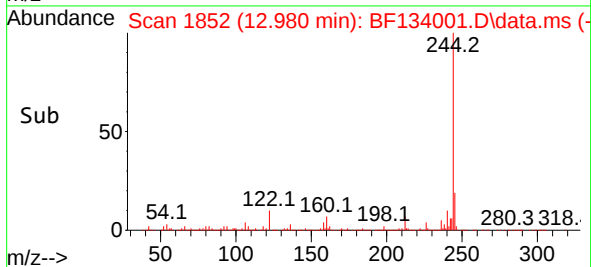
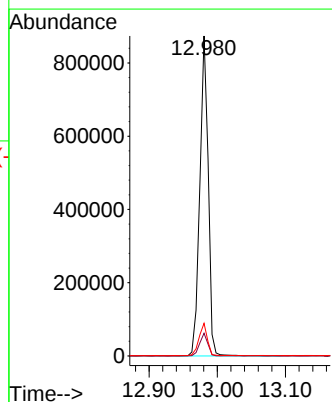
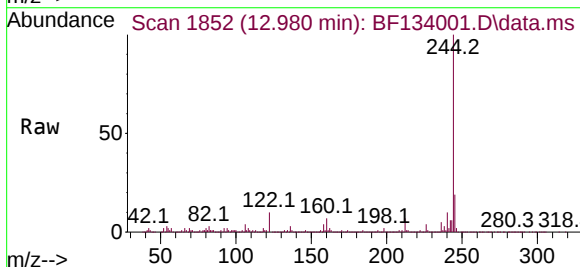
Manual Integrations
APPROVED

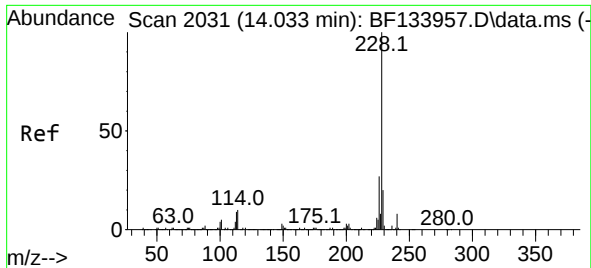
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#79
Terphenyl-d14
Concen: 68.235 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

Tgt Ion:244 Resp: 746044
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 10.2 8.3 12.5





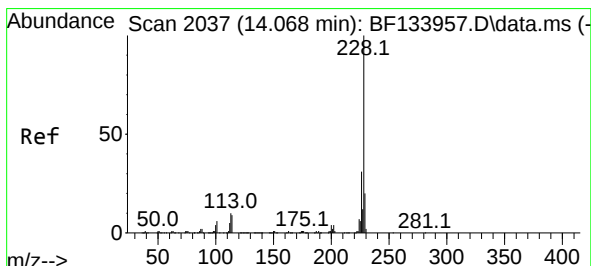
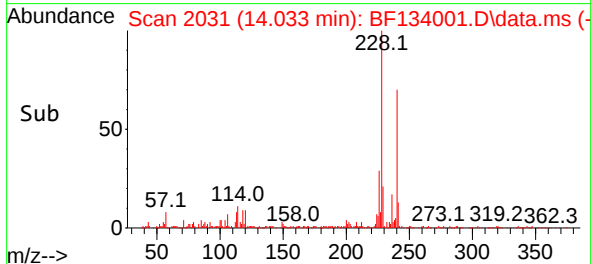
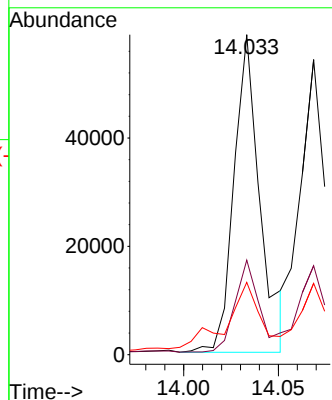
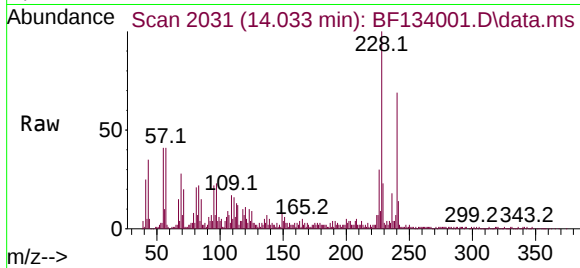
#81
Benzo(a)anthracene
Concen: 4.586 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

Instrument :
BNA_F
ClientSampleId :
TP4-0623

Tgt Ion:228 Resp: 5596
Ion Ratio Lower Upper
228 100
226 29.6 22.0 33.0
229 22.6 16.3 24.5

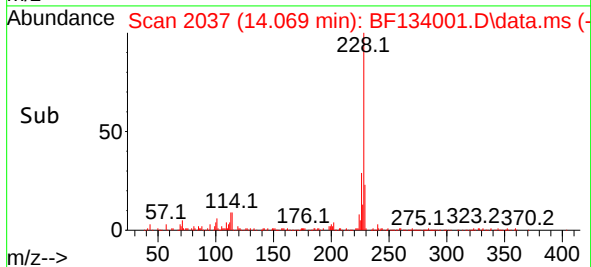
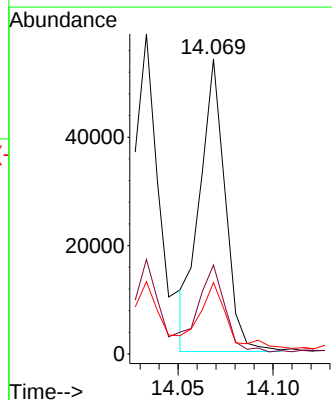
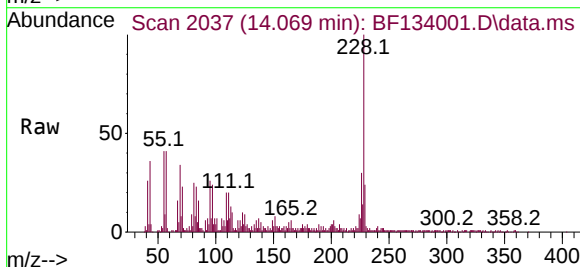
Manual Integrations
APPROVED

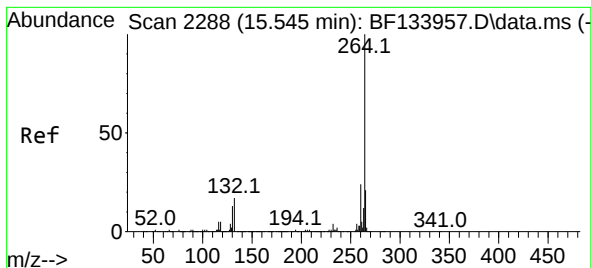
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#83
Chrysene
Concen: 4.284 ng m
RT: 14.069 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

Tgt Ion:228 Resp: 50636
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 24.2 16.1 24.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134001.D

Acq: 27 Jun 2023 20:43

Instrument :

BNA_F

ClientSampleId :

TP4-0623

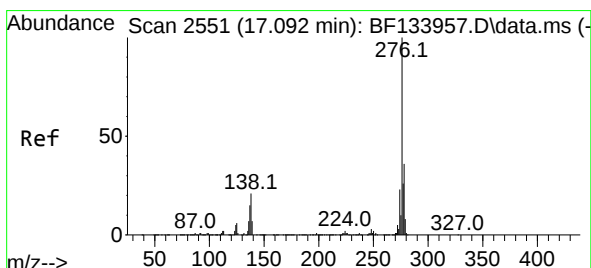
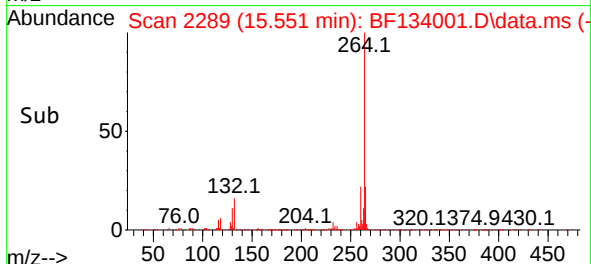
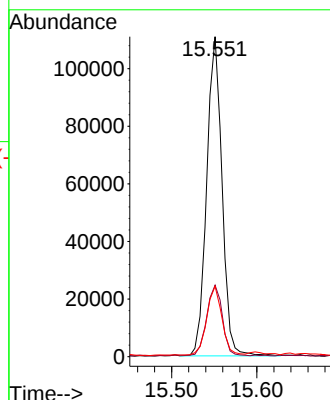
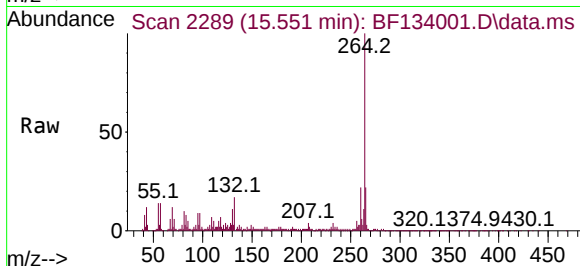
Tgt Ion:	264	Resp:	13868
Ion Ratio	Lower	Upper	
264	100		
260	22.4	19.5	29.3
265	22.0	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.626 ng

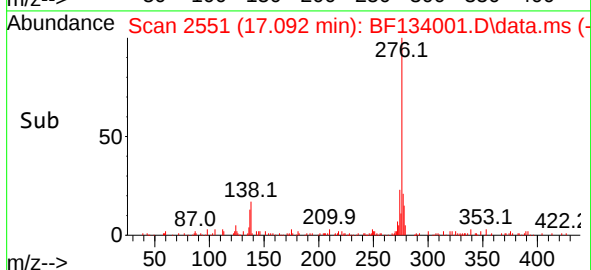
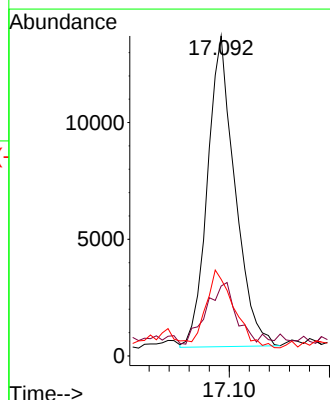
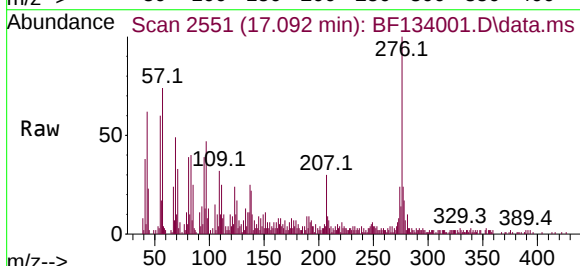
RT: 17.092 min Scan# 2551

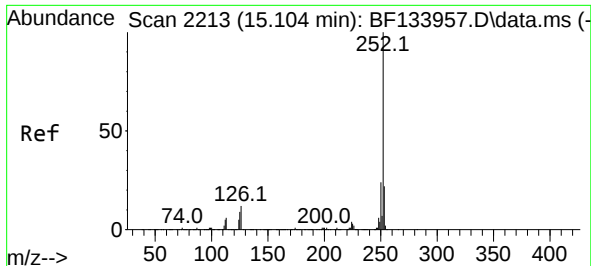
Delta R.T. 0.000 min

Lab File: BF134001.D

Acq: 27 Jun 2023 20:43

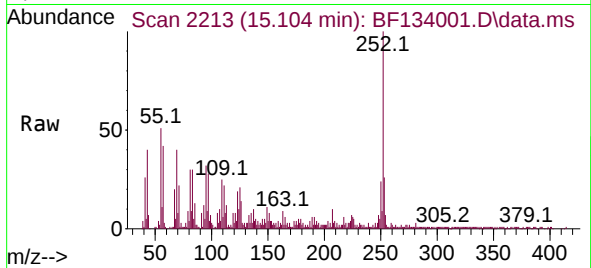
Tgt Ion:	276	Resp:	25276
Ion Ratio	Lower	Upper	
276	100		
138	21.1	18.7	28.1
277	25.3	19.9	29.9





#88
Benzo(b)fluoranthene
Concen: 6.970 ng m
RT: 15.104 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

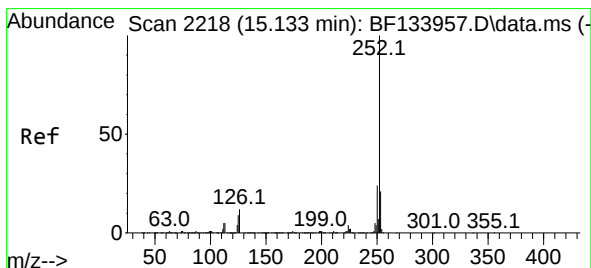
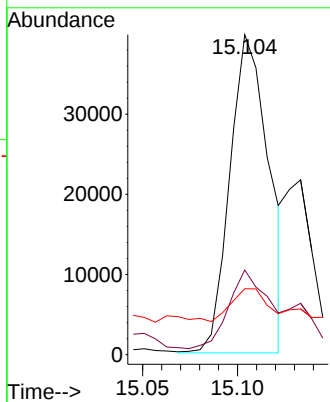
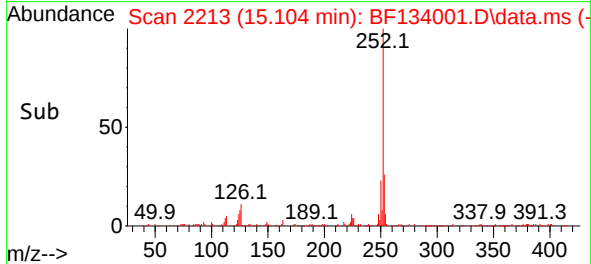
Instrument :
BNA_F
ClientSampleId :
TP4-0623



Tgt Ion:252 Resp: 56840
Ion Ratio Lower Upper
252 100
253 26.5 17.4 26.0#
125 20.6 7.1 10.7#

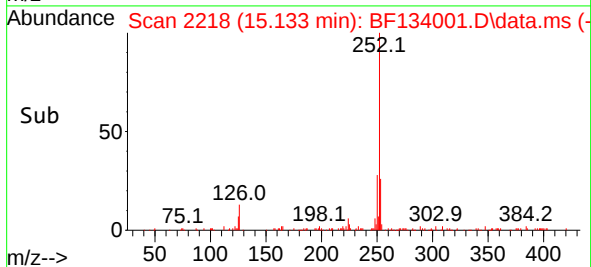
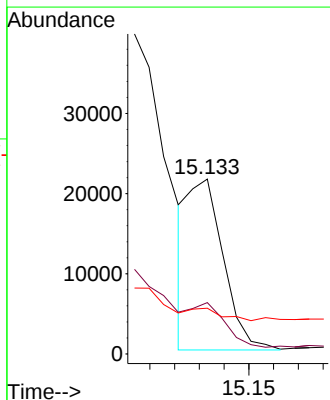
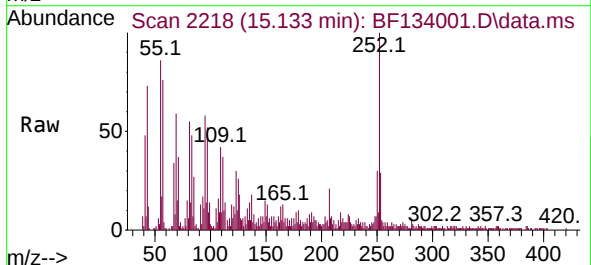
Manual Integrations
APPROVED

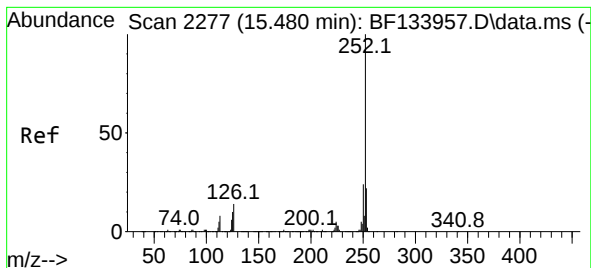
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#89
Benzo(k)fluoranthene
Concen: 2.544 ng m
RT: 15.133 min Scan# 2218
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

Tgt Ion:252 Resp: 21120
Ion Ratio Lower Upper
252 100
253 29.4 16.9 25.3#
125 26.2 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 4.985 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134001.D

Acq: 27 Jun 2023 20:43

Instrument :

BNA_F

ClientSampleId :

TP4-0623

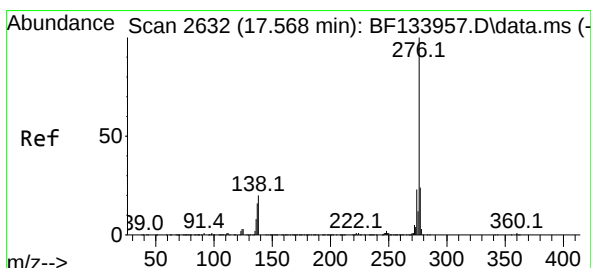
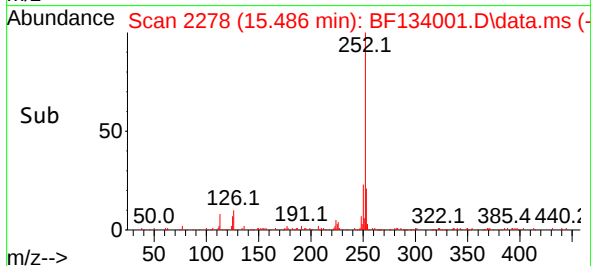
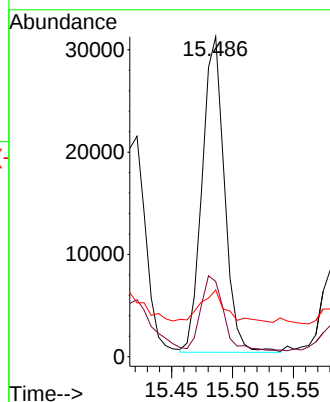
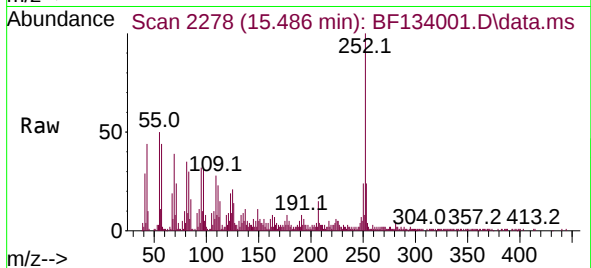
Tgt Ion:	252	Resp:	39310
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.4	26.0
125	20.8	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#92

Benzo(g,h,i)perylene

Concen: 2.988 ng

RT: 17.562 min Scan# 2631

Delta R.T. -0.006 min

Lab File: BF134001.D

Acq: 27 Jun 2023 20:43

Tgt Ion:	276	Resp:	24222
Ion Ratio	Lower	Upper	
276	100		
277	31.0	19.0	28.6
138	21.8	16.2	24.2

