

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134013.D
 Acq On : 28 Jun 2023 04:49
 Operator : CG\JU
 Sample : 03361-07
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-31-36

Manual Integrations
 APPROVED

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

Quant Time: Jun 28 05:37:41 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	118597	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	413136	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	162749	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	279381	20.000	ng	0.00
76) Chrysene-d12	14.045	240	167270	20.000	ng	0.00
86) Perylene-d12	15.551	264	132100	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	557600	78.647	ng	0.00
7) Phenol-d6	6.487	99	761114	87.292	ng	0.00
23) Nitrobenzene-d5	7.416	82	500685	65.329	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	65308	32.005	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	851657	76.081	ng	0.00
79) Terphenyl-d14	12.980	244	795396	76.530	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	136258	9.688	ng	97
72) Anthracene	11.457	178	38125	2.606	ng	97
75) Fluoranthene	12.610	202	338019	22.231	ng	96
78) Pyrene	12.839	202	318750	20.476	ng	99
80) Butylbenzylphthalate	13.457	149	18651	3.195	ng	97
81) Benzo(a)anthracene	14.033	228	141053	12.159	ng	96
83) Chrysene	14.068	228	119233	10.612	ng	98
84) Bis(2-ethylhexyl)phtha...	14.021	149	40085	5.975	ng	99
87) Indeno(1,2,3-cd)pyrene	17.092	276	56639	6.179	ng	96
88) Benzo(b)fluoranthene	15.104	252	127740m	16.445	ng	
89) Benzo(k)fluoranthene	15.133	252	49026m	6.199	ng	
90) Benzo(a)pyrene	15.486	252	93828	12.492	ng	96
92) Benzo(g,h,i)perylene	17.562	276	60980	7.898	ng	97

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

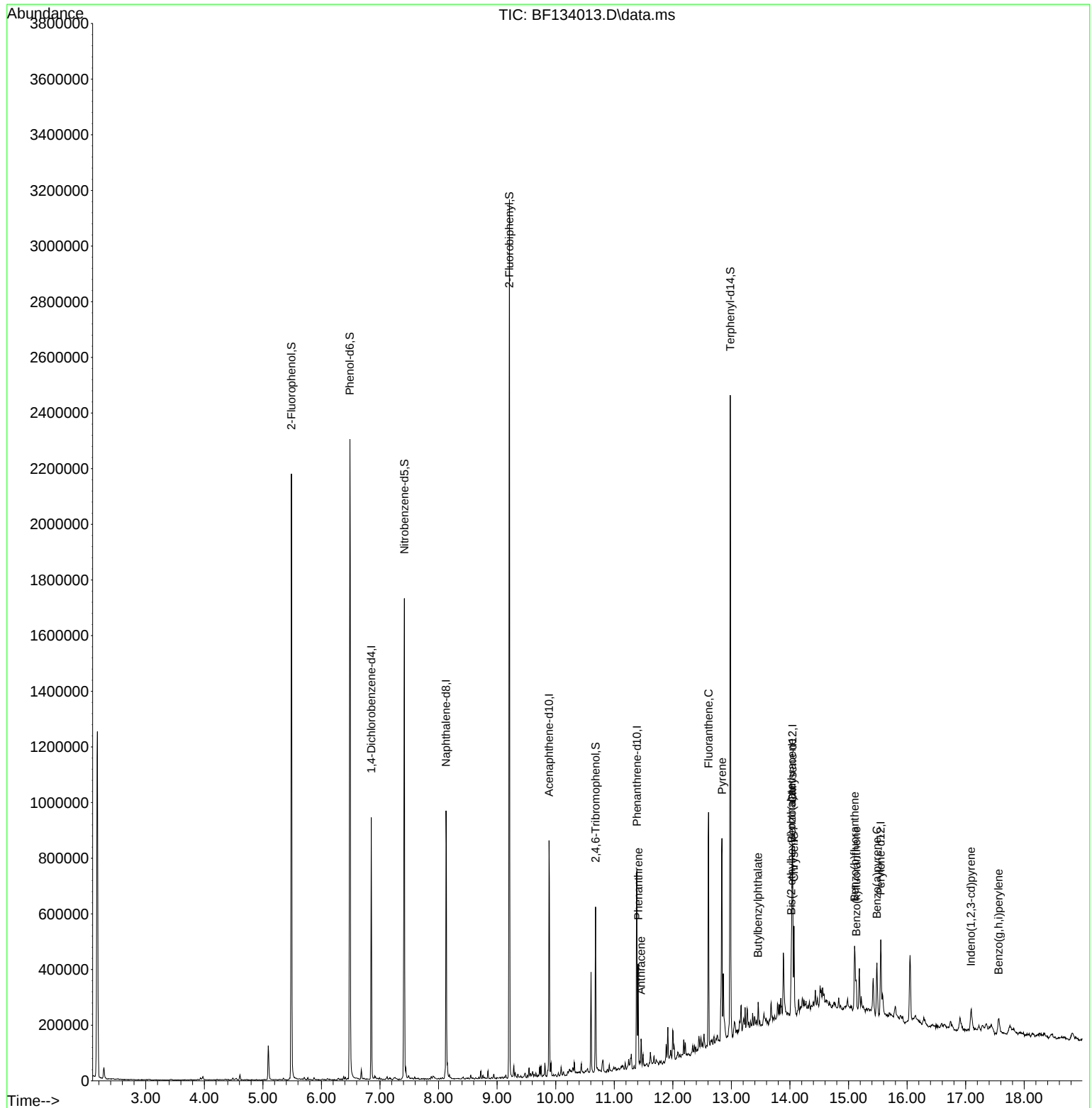
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
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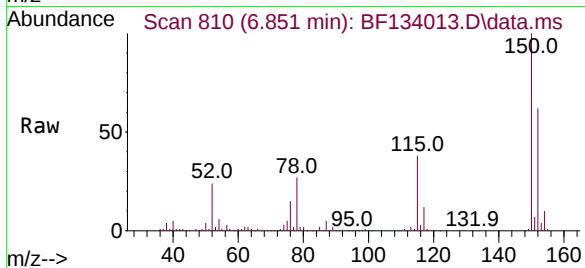
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

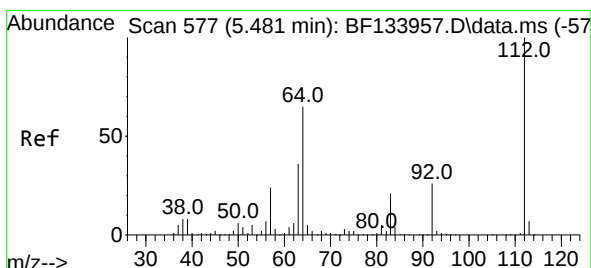
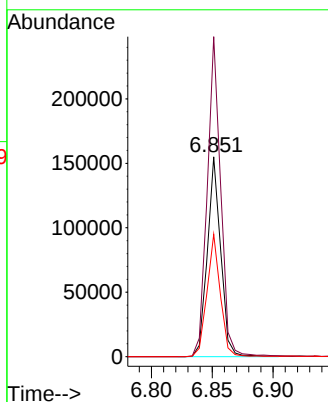
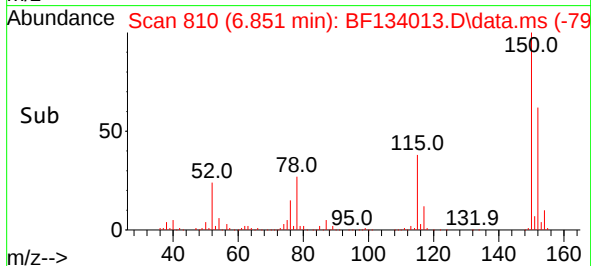
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36



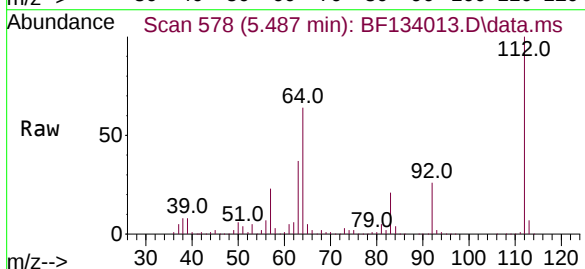
Tgt Ion:152 Resp: 118597
Ion Ratio Lower Upper
152 100
150 160.1 124.5 186.7
115 61.3 50.2 75.2

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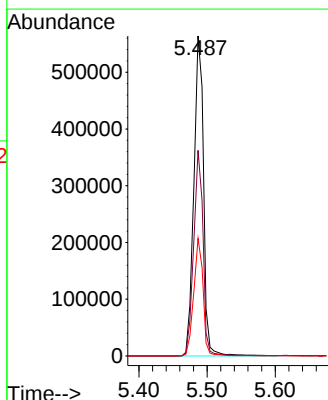
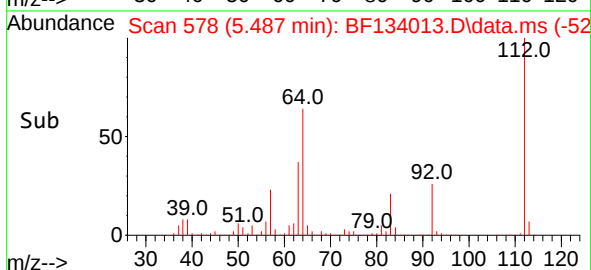
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

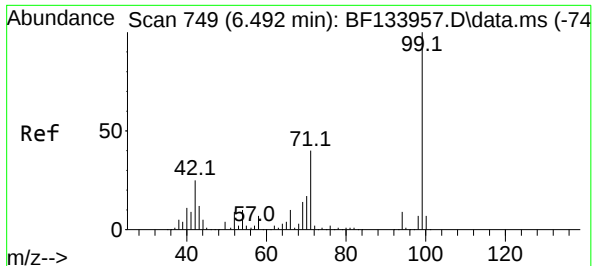


#5
2-Fluorophenol
Concen: 78.647 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49



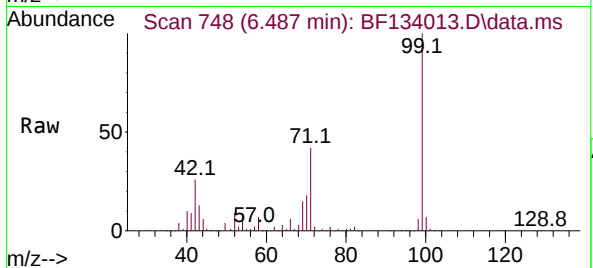
Tgt Ion:112 Resp: 557600
Ion Ratio Lower Upper
112 100
64 64.3 52.1 78.1
63 36.7 28.6 42.8





#7
Phenol-d6
Concen: 87.292 ng
RT: 6.487 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

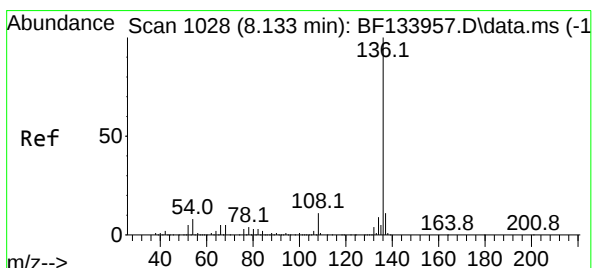
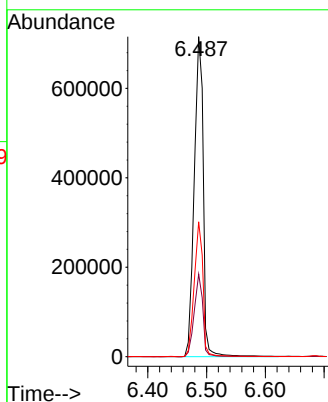
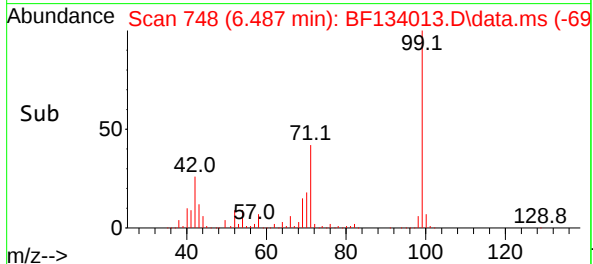
Instrument :
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ClientSampleId :
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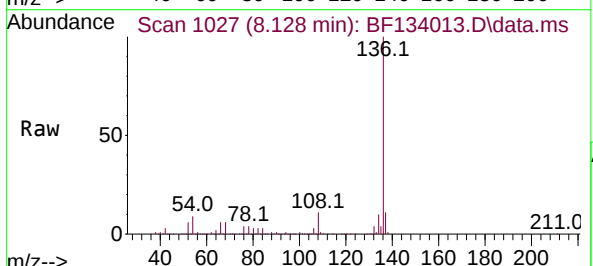
Tgt Ion: 99 Resp: 761114
Ion Ratio Lower Upper
99 100
42 25.8 19.8 29.6
71 42.2 31.9 47.9

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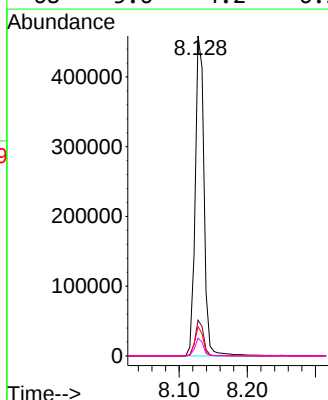
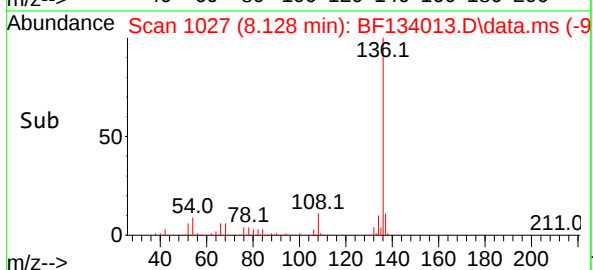
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

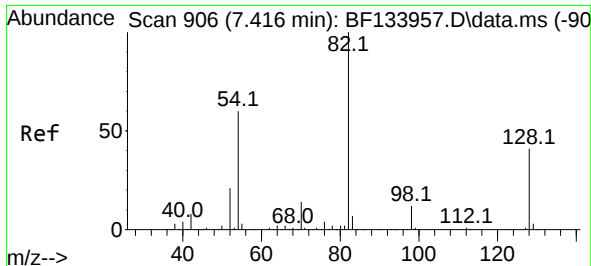


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49



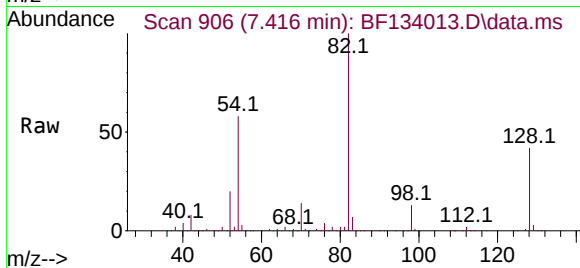
Tgt Ion:136 Resp: 413136
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 9.1 6.5 9.7
68 5.6 4.2 6.2





#23
Nitrobenzene-d5
Concen: 65.329 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

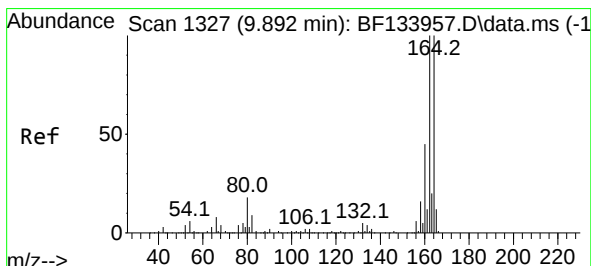
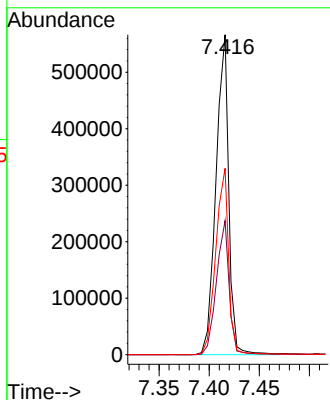
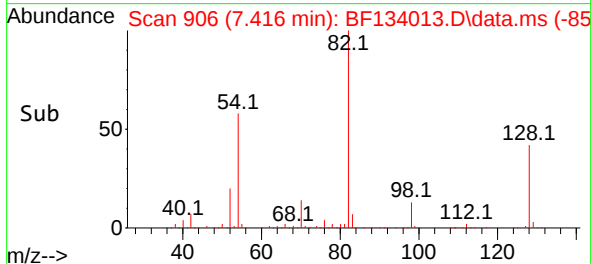
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 500685
Ion Ratio Lower Upper
82 100
128 41.9 32.5 48.7
54 58.3 48.2 72.2

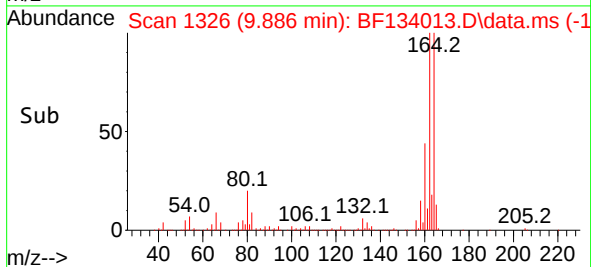
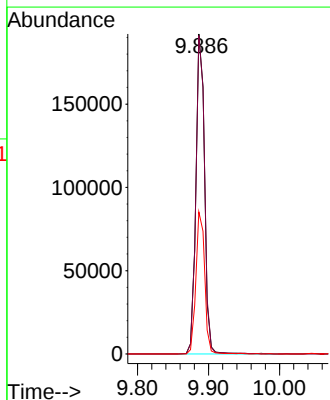
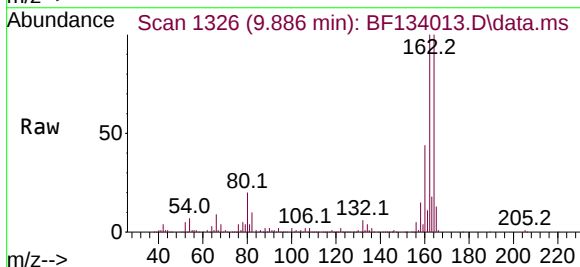
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

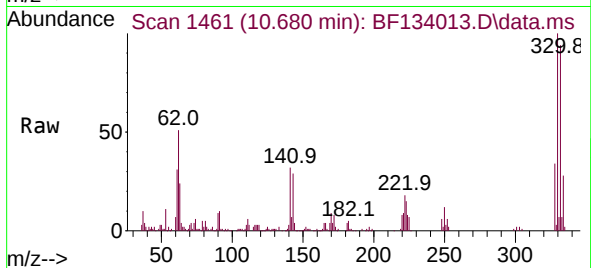
Tgt Ion:164 Resp: 162749
Ion Ratio Lower Upper
164 100
162 99.5 80.0 120.0
160 44.4 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 32.005 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

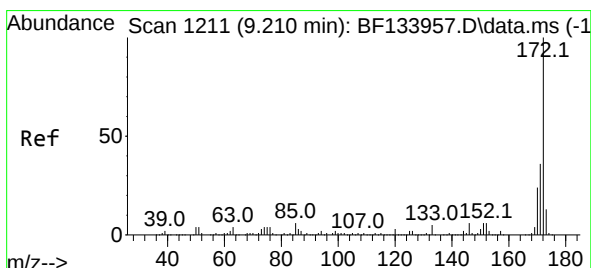
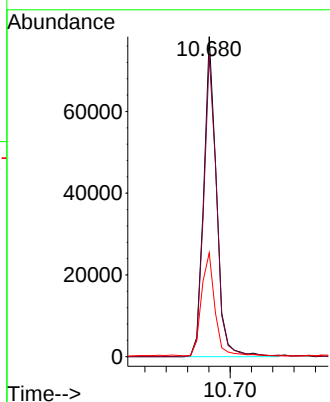
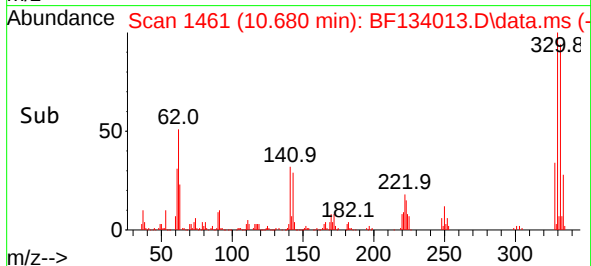
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BNA_F
ClientSampleId :
COMPOSIT-SB-31-36



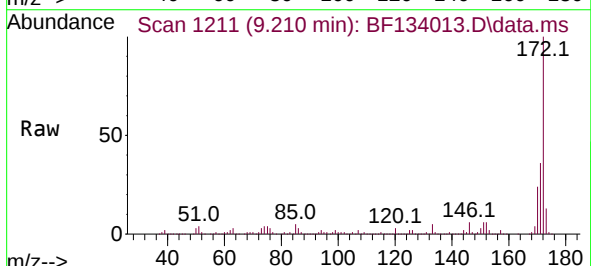
Tgt Ion: 330 Resp: 65308
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.6
141 33.9 26.3 39.5

Manual Integrations
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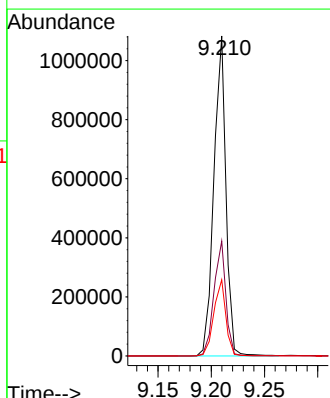
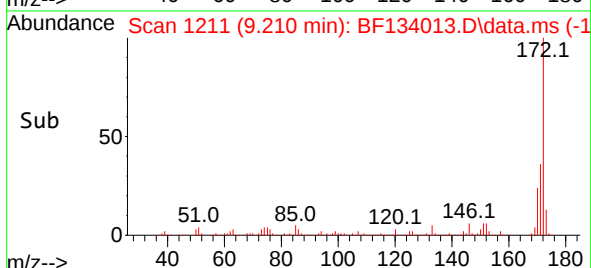
Reviewed By : Yogesh Patel 06/28/2023
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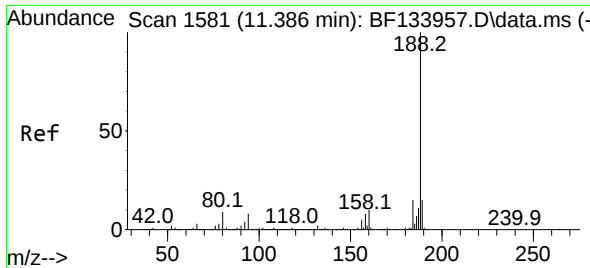


#45
2-Fluorobiphenyl
Concen: 76.081 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49



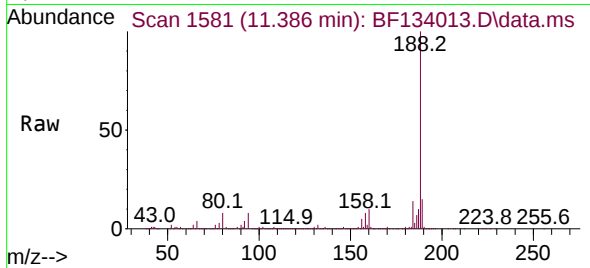
Tgt Ion: 172 Resp: 851657
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.8 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

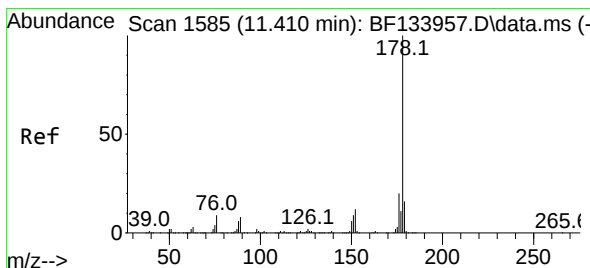
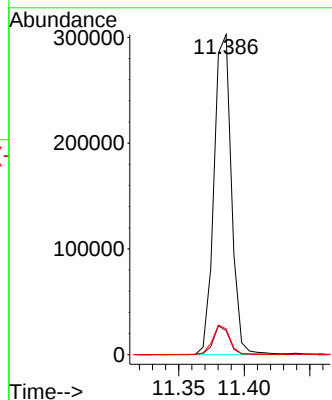
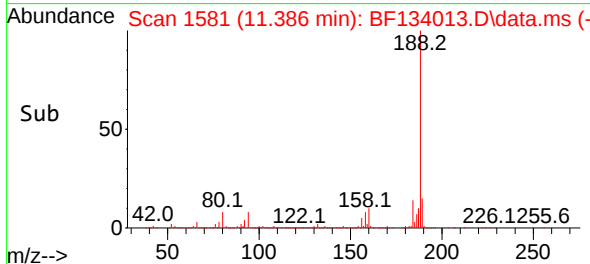
Instrument :
BNA_F
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COMPOSIT-SB-31-36



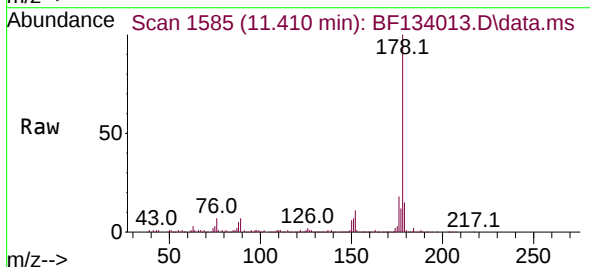
Tgt Ion:188 Resp: 27938
Ion Ratio Lower Upper
188 100
94 7.5 6.4 9.6
80 8.0 7.3 10.9

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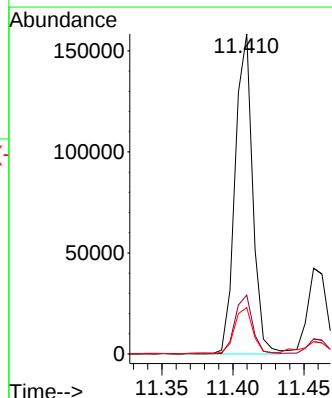
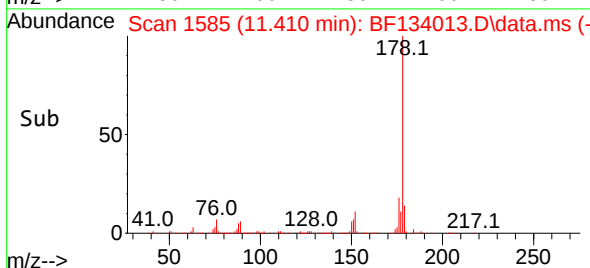
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

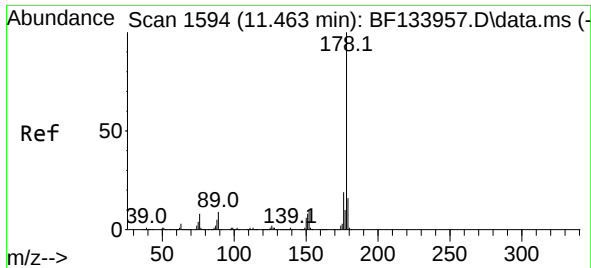


#71
Phenanthrene
Concen: 9.688 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49



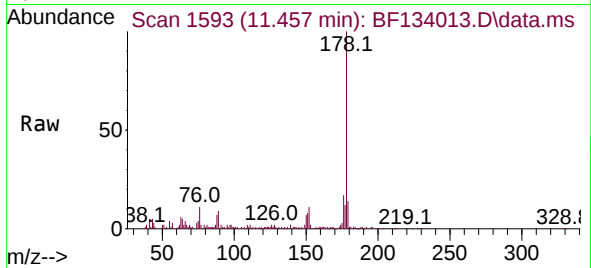
Tgt Ion:178 Resp: 136258
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 14.5 12.4 18.6





#72
 Anthracene
 Concen: 2.606 ng
 RT: 11.457 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134013.D
 Acq: 28 Jun 2023 04:49

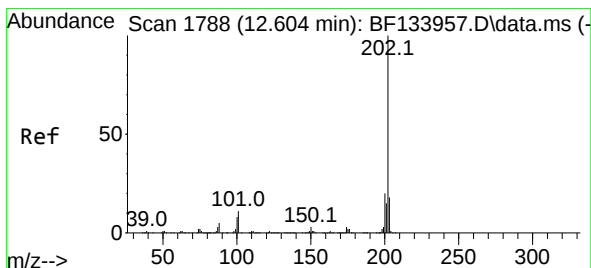
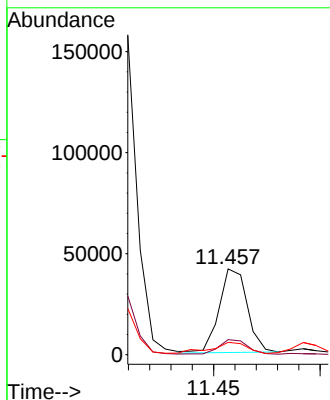
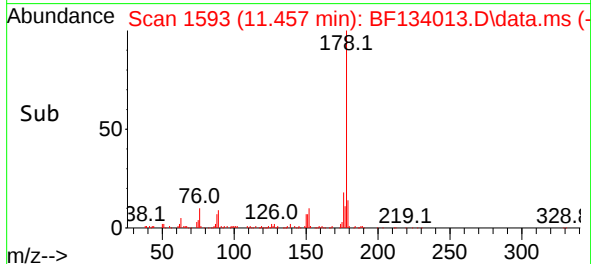
Instrument :
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 ClientSampleId :
 COMPOSIT-SB-31-36



Tgt Ion:178 Resp: 38125
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.3 22.9
 179 14.5 12.4 18.6

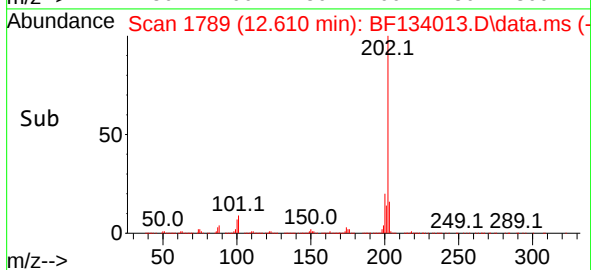
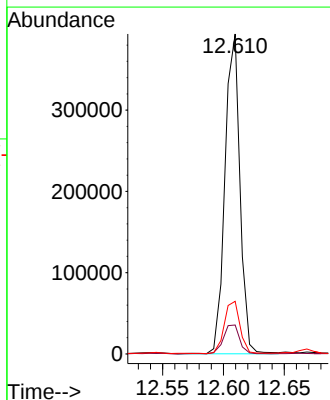
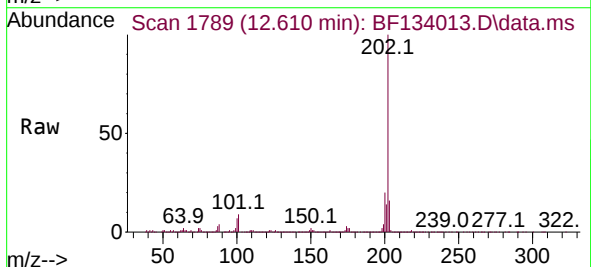
Manual Integrations
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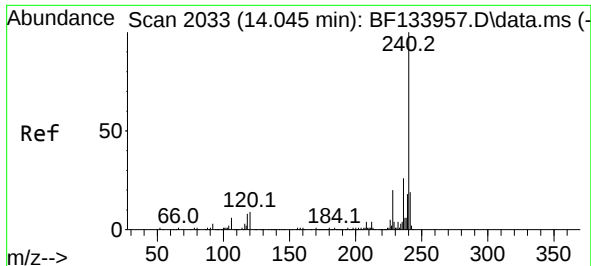
Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023



#75
 Fluoranthene
 Concen: 22.231 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: BF134013.D
 Acq: 28 Jun 2023 04:49

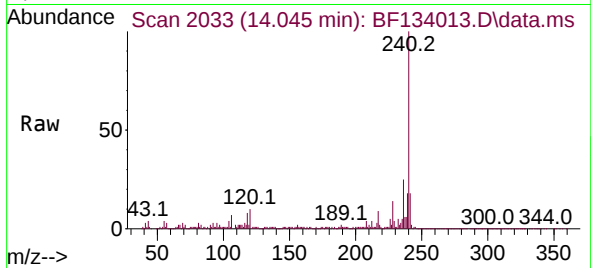
Tgt Ion:202 Resp: 338019
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 31.0
 203 16.4 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

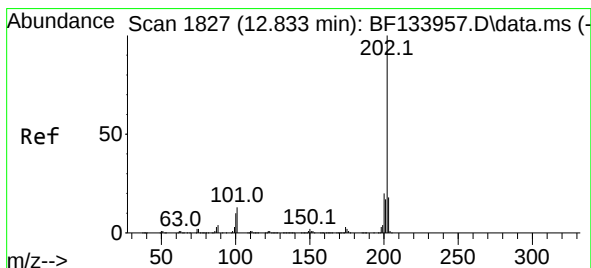
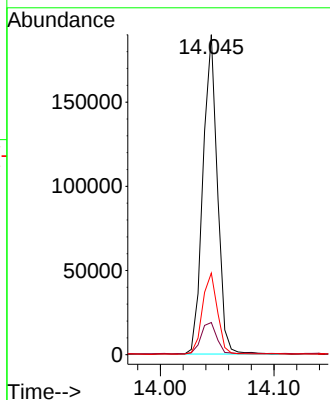
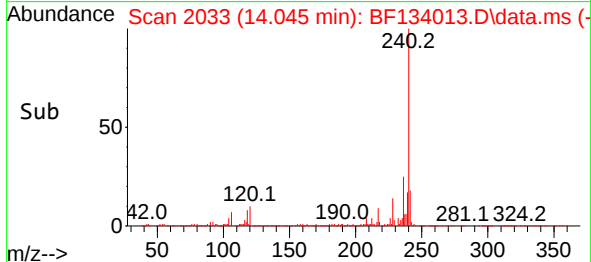
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36



Tgt Ion:240 Resp: 167270
Ion Ratio Lower Upper
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120 10.0 7.4 11.0
236 25.5 21.0 31.6

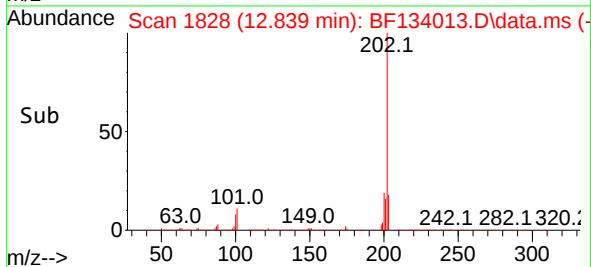
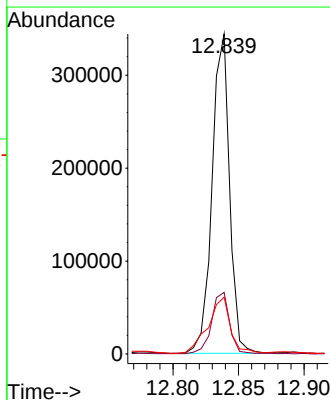
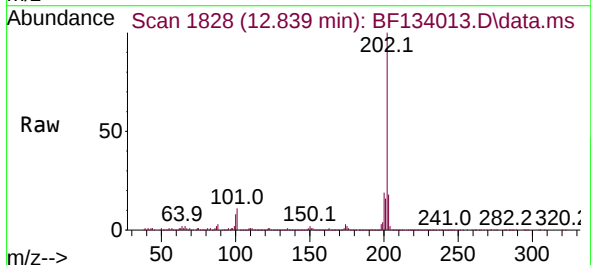
Manual Integrations
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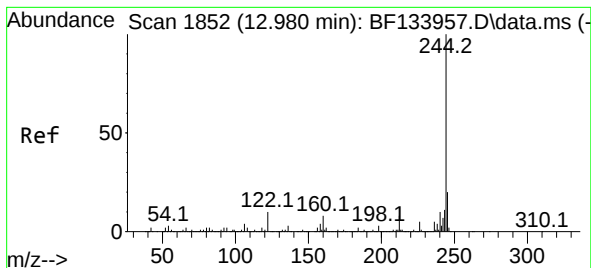
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#78
Pyrene
Concen: 20.476 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.006 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

Tgt Ion:202 Resp: 318750
Ion Ratio Lower Upper
202 100
200 19.3 16.1 24.1
203 17.8 14.3 21.5





#79

Terphenyl-d14

Concen: 76.530 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF134013.D

Acq: 28 Jun 2023 04:49

Instrument :

BNA_F

ClientSampleId :

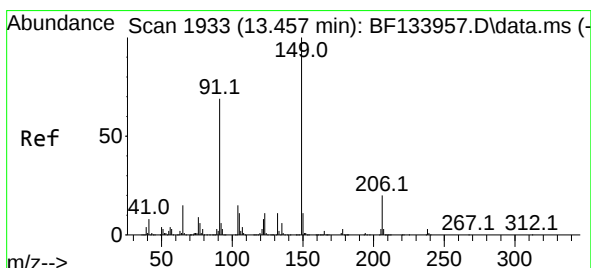
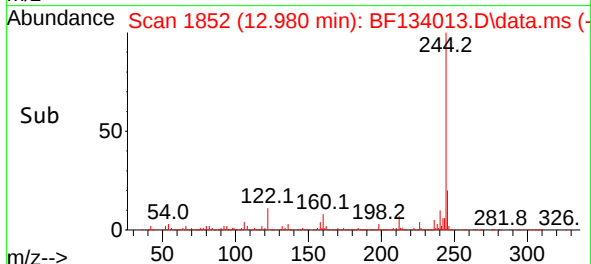
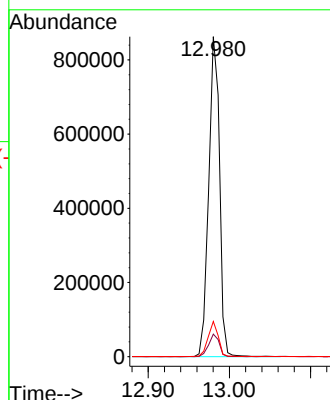
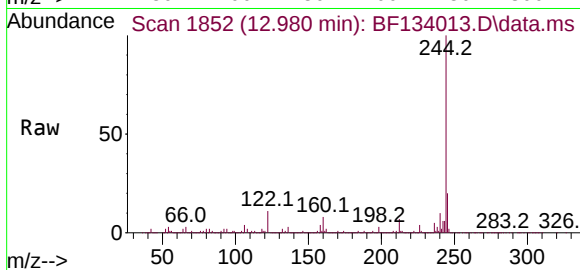
COMPOSIT-SB-31-36

Tgt Ion:	244	Resp:	795390
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	11.0	8.3	12.5

Manual Integrations

APPROVED

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



#80

Butylbenzylphthalate

Concen: 3.195 ng

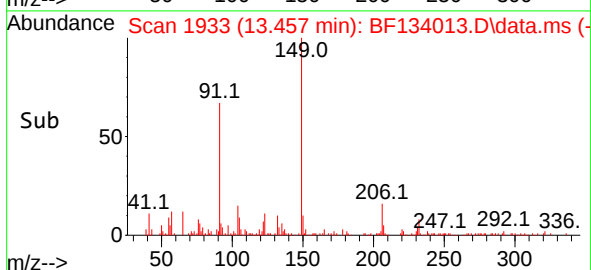
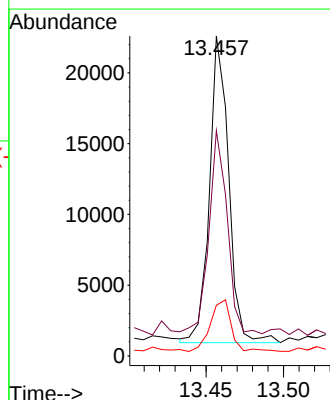
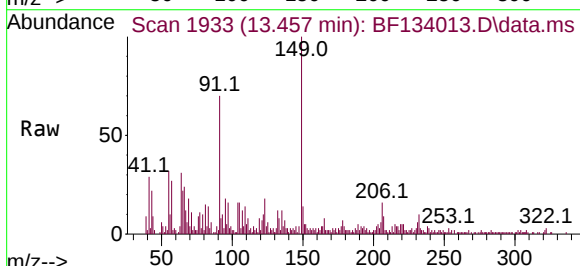
RT: 13.457 min Scan# 1933

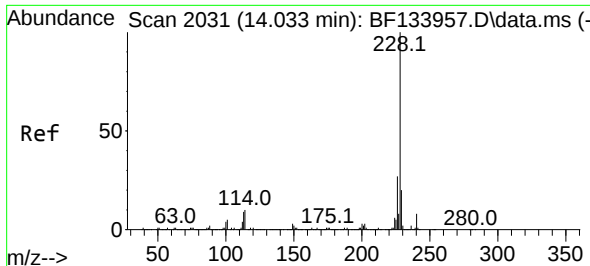
Delta R.T. 0.000 min

Lab File: BF134013.D

Acq: 28 Jun 2023 04:49

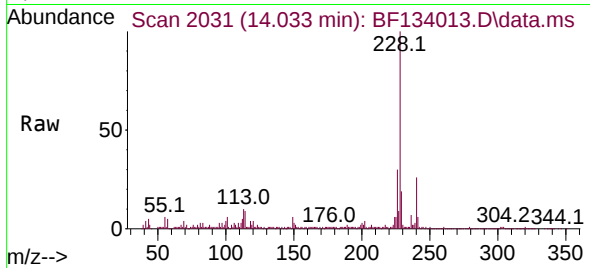
Tgt Ion:	149	Resp:	18651
Ion Ratio	Lower	Upper	
149	100		
91	70.4	55.1	82.7
206	15.8	15.7	23.5





#81
Benzo(a)anthracene
Concen: 12.159 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

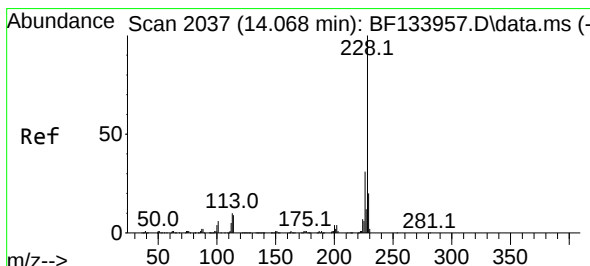
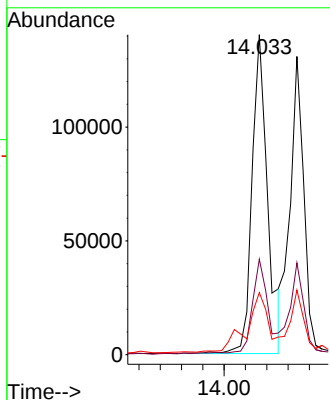
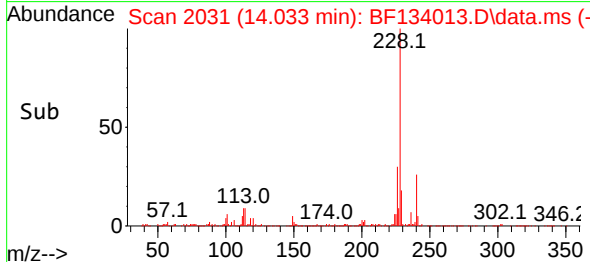
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36



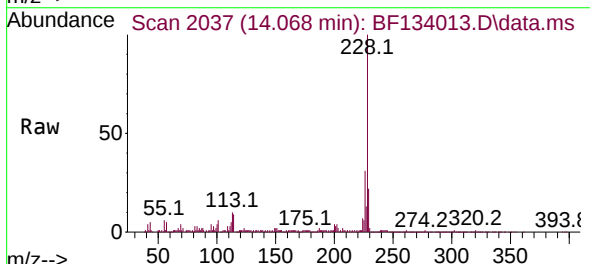
Tgt Ion:228 Resp: 141051
Ion Ratio Lower Upper
228 100
226 29.9 22.0 33.0
229 19.4 16.3 24.5

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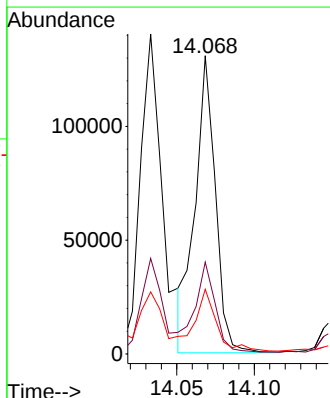
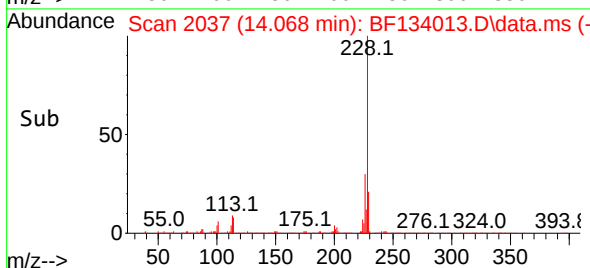
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

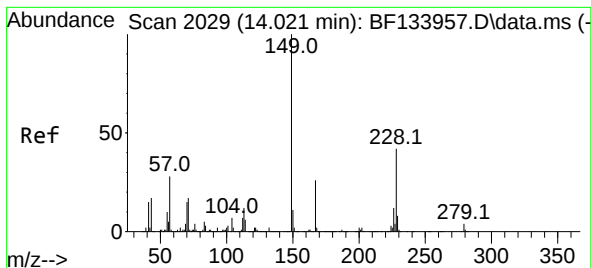


#83
Chrysene
Concen: 10.612 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49



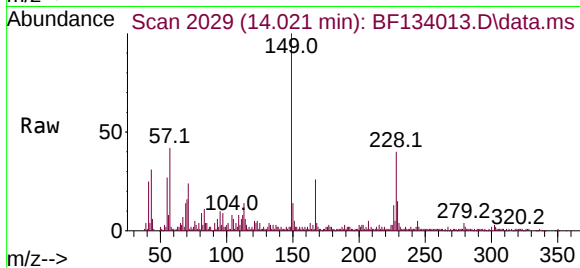
Tgt Ion:228 Resp: 119233
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 21.7 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.975 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

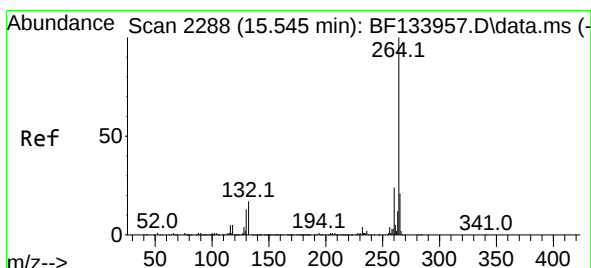
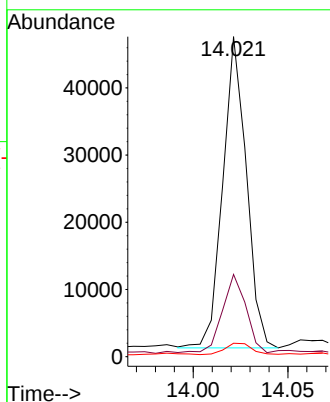
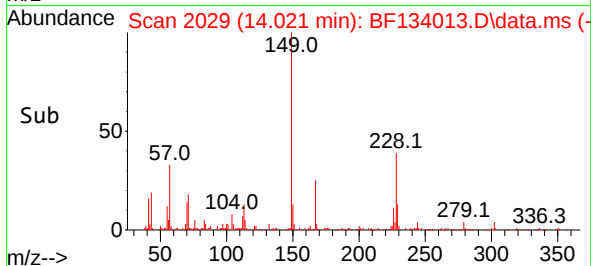
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36



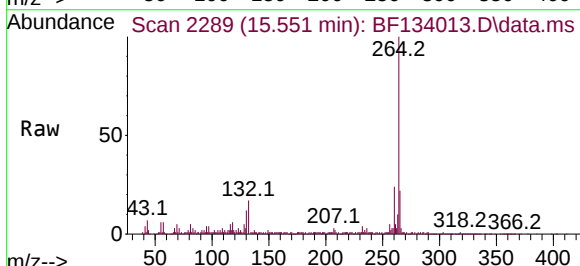
Tgt Ion:149 Resp: 40085
Ion Ratio Lower Upper
149 100
167 25.7 21.0 31.4
279 4.2 3.3 4.9

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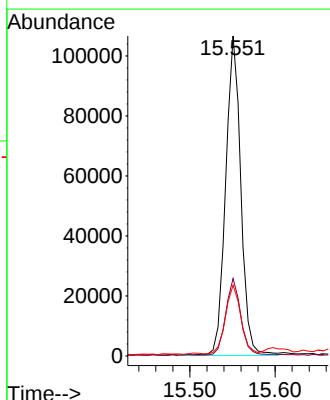
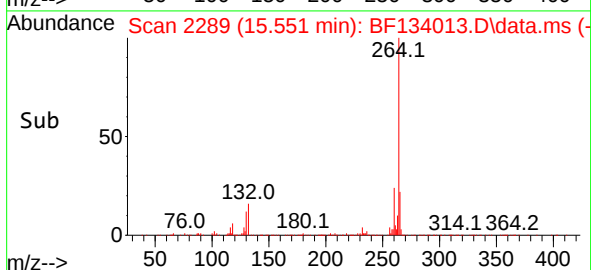
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

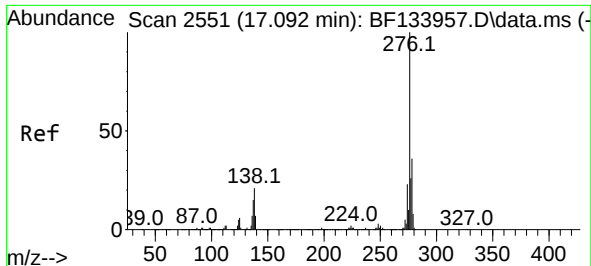


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.006 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49



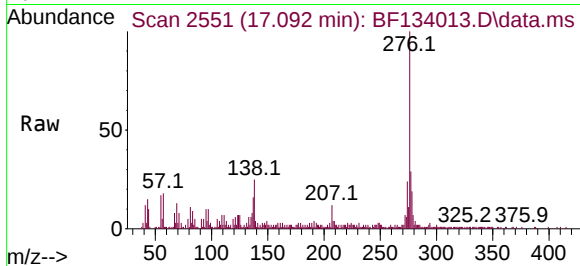
Tgt Ion:264 Resp: 132100
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 22.1 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.179 ng
RT: 17.092 min Scan# 2551
Delta R.T. 0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

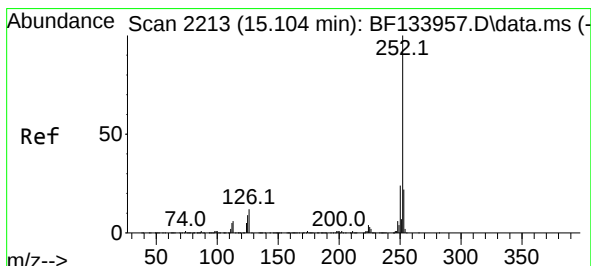
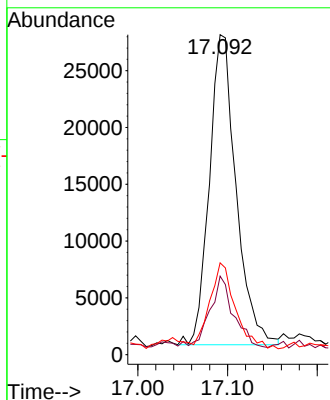
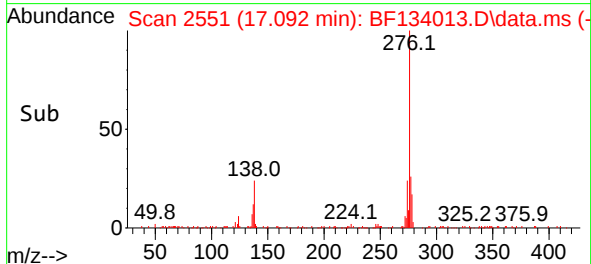
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36



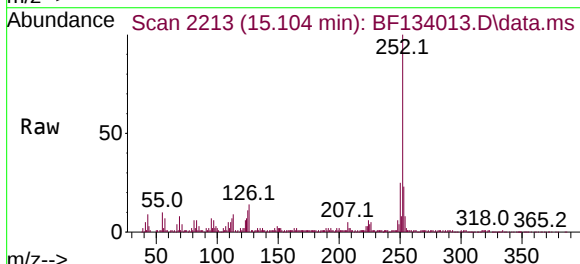
Tgt Ion:276 Resp: 56639
Ion Ratio Lower Upper
276 100
138 20.6 18.7 28.1
277 26.3 19.9 29.9

Manual Integrations
APPROVED

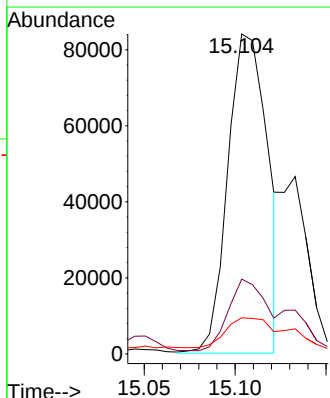
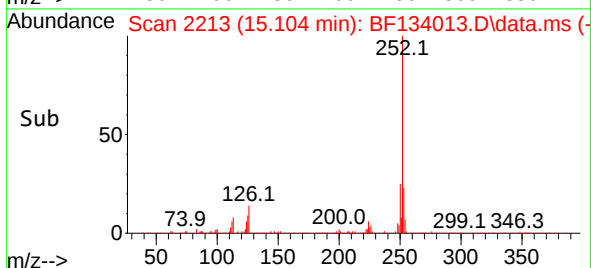
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

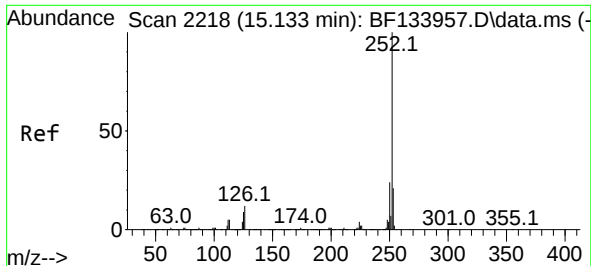


#88
Benzo(b)fluoranthene
Concen: 16.445 ng m
RT: 15.104 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49



Tgt Ion:252 Resp: 127740
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 11.3 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 6.199 ng m

RT: 15.133 min Scan# 2218

Delta R.T. 0.000 min

Lab File: BF134013.D

Acq: 28 Jun 2023 04:49

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-31-36

Tgt Ion:252 Resp: 49020

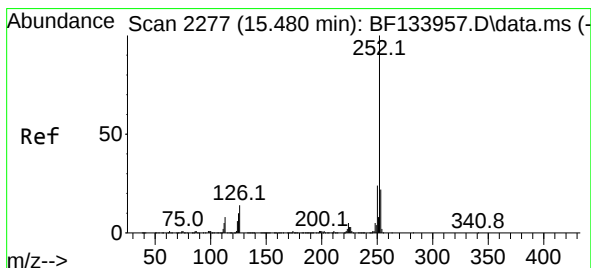
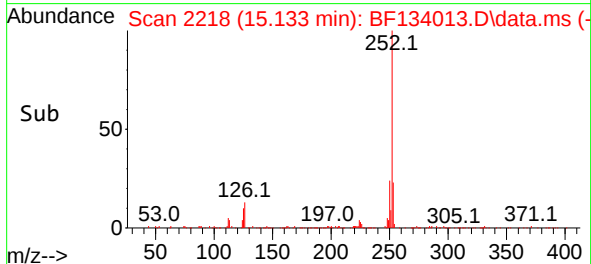
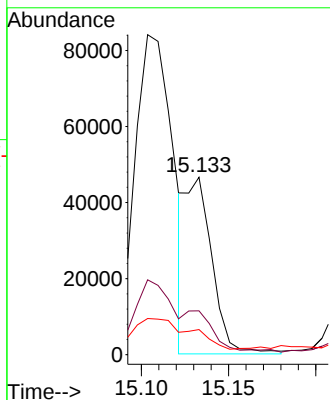
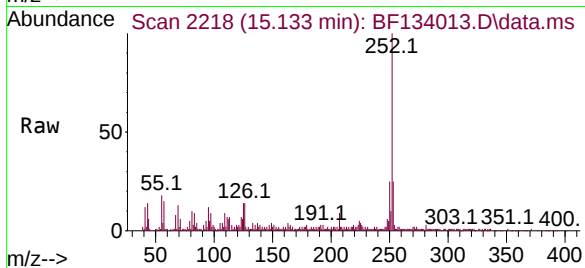
Ion	Ratio	Lower	Upper
252	100		
253	24.7	16.9	25.3
125	14.2	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#90

Benzo(a)pyrene

Concen: 12.492 ng

RT: 15.486 min Scan# 2278

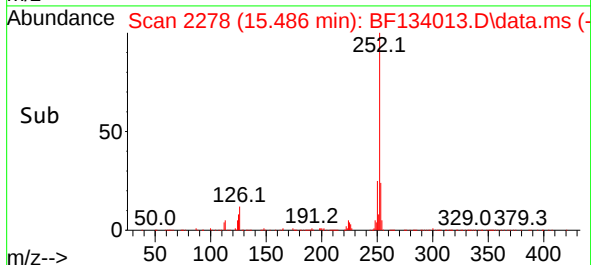
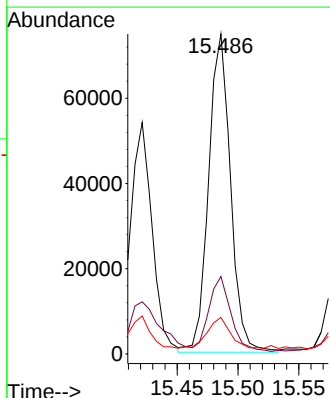
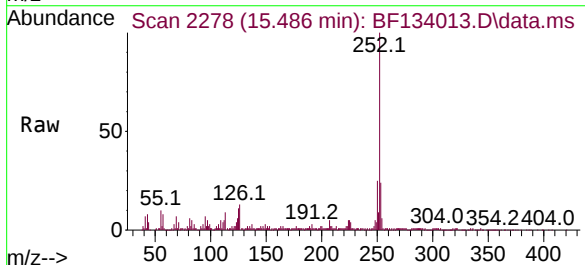
Delta R.T. 0.006 min

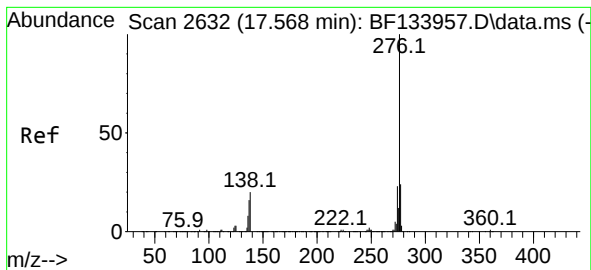
Lab File: BF134013.D

Acq: 28 Jun 2023 04:49

Tgt Ion:252 Resp: 93828

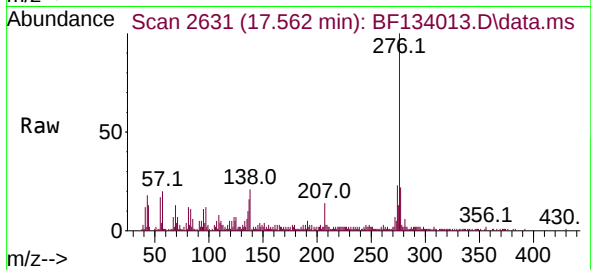
Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.0
125	11.4	8.4	12.6





#92
Benzo(g,h,i)perylene
Concen: 7.898 ng
RT: 17.562 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36



Tgt Ion:276 Resp: 60980
Ion Ratio Lower Upper
276 100
277 21.9 19.0 28.6
138 20.8 16.2 24.2

Manual Integrations
APPROVED

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

