

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
 Data File : BF134044.D
 Acq On : 29 Jun 2023 19:10
 Operator : CG\JU
 Sample : 03362-08RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-12-13RE

Quant Time: Jun 30 05:13:22 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	94334	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	319479	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	131507	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	244763	20.000	ng	0.00
76) Chrysene-d12	14.039	240	161293	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	131060	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	526685	93.394	ng	0.00
7) Phenol-d6	6.481	99	604012	87.092	ng	-0.01
23) Nitrobenzene-d5	7.410	82	396689	66.933	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	131262	79.609	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	650927	71.964	ng	0.00
79) Terphenyl-d14	12.974	244	715981	71.442	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.145	128	71942	4.662	ng	100
37) 2-Methylnaphthalene	8.839	142	27919	2.558	ng	92
52) Acenaphthene	9.916	154	38308m	5.007	ng	
55) Dibenzofuran	10.092	168	45224	3.782	ng	98
58) Fluorene	10.433	166	51926m	5.582	ng	
71) Phenanthrene	11.404	178	445608	36.164	ng	100
72) Anthracene	11.457	178	121794	9.503	ng	97
73) Carbazole	11.610	167	55281	4.713	ng	98
75) Fluoranthene	12.604	202	688321	51.672	ng	98
78) Pyrene	12.833	202	607479	40.470	ng	100
80) Butylbenzylphthalate	13.457	149	28102	4.992	ng	95
81) Benzo(a)anthracene	14.033	228	288227	25.767	ng	97
83) Chrysene	14.068	228	260917	24.082	ng	98
84) Bis(2-ethylhexyl)phtha...	14.015	149	41839	6.468	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	109090	11.995	ng	96
88) Benzo(b)fluoranthene	15.104	252	278579m	36.149	ng	
89) Benzo(k)fluoranthene	15.127	252	90610m	11.548	ng	
90) Benzo(a)pyrene	15.486	252	184476	24.755	ng	97
91) Dibenzo(a,h)anthracene	17.103	278	28290	3.809	ng	# 91
92) Benzo(g,h,i)perylene	17.562	276	107799	14.073	ng	96

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

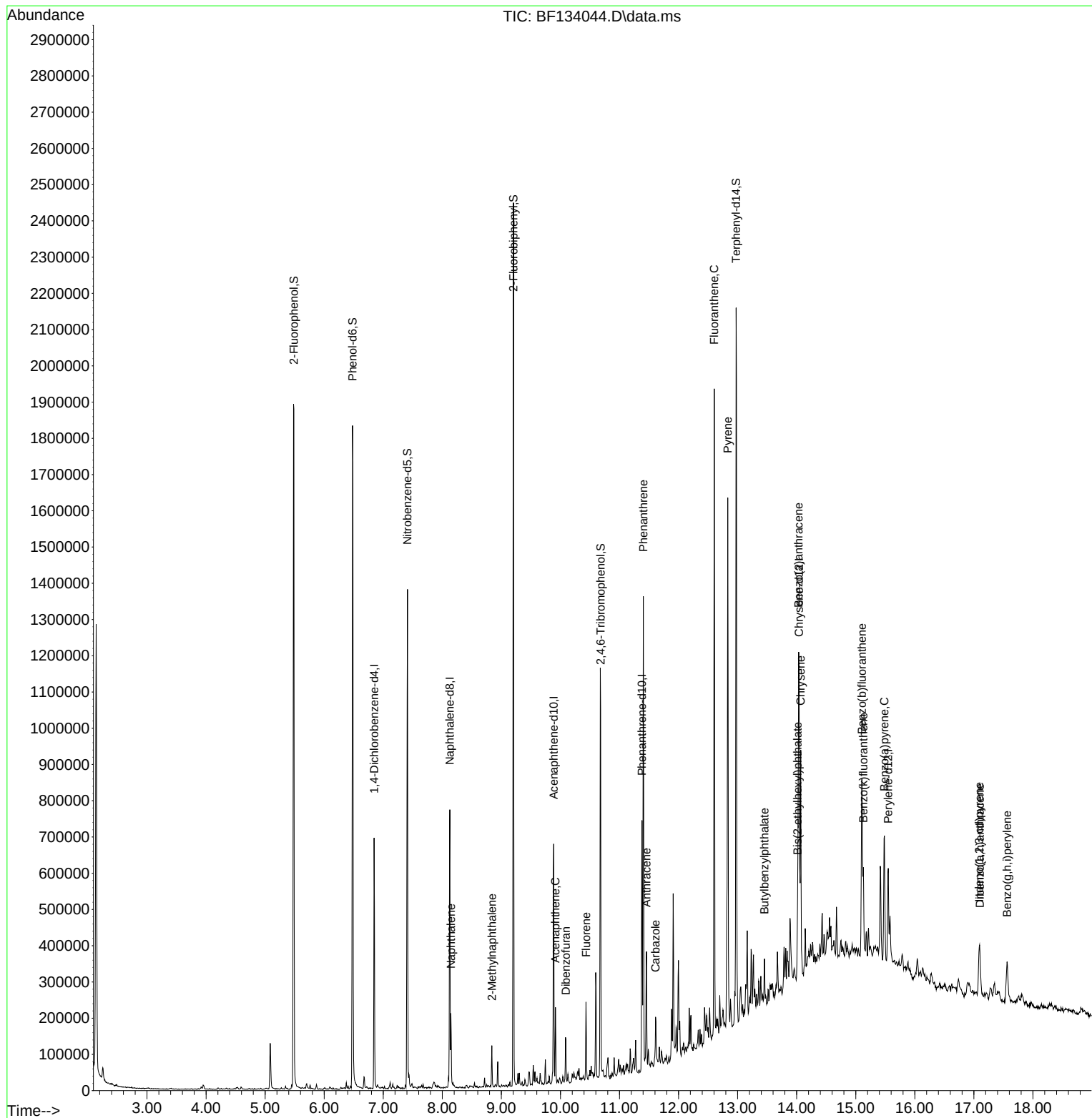
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
Data File : BF134044.D
Acq On : 29 Jun 2023 19:10
Operator : CG\JU
Sample : 03362-08RE
Misc :
ALS Vial : 18 Sample Multiplier: 1

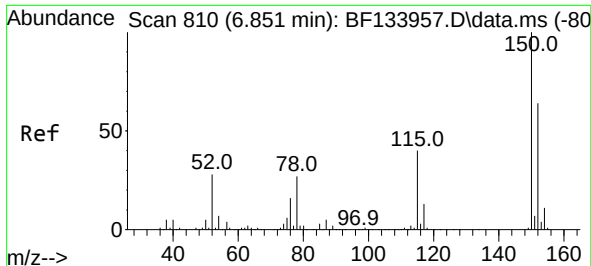
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13RE

Quant Time: Jun 30 05:13:22 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

Manual Integrations
APPROVED

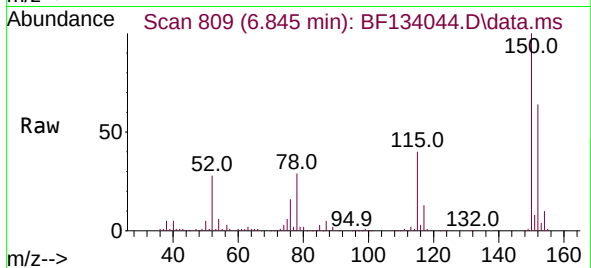
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

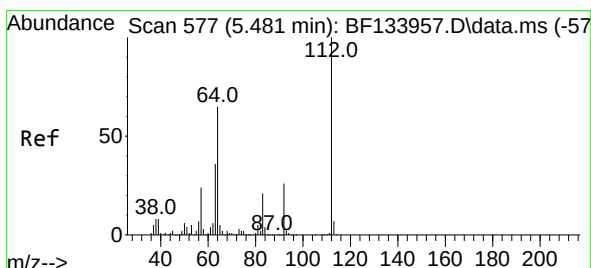
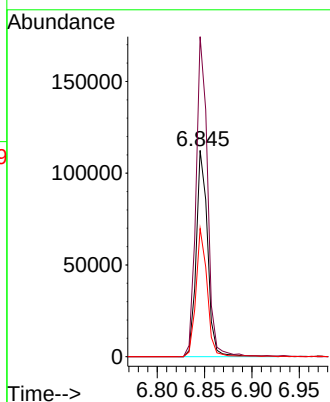
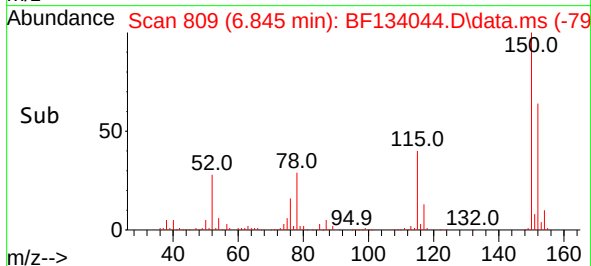
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13RE



Tgt Ion:152 Resp: 94334
Ion Ratio Lower Upper
152 100
150 155.2 124.5 186.7
115 62.2 50.2 75.2

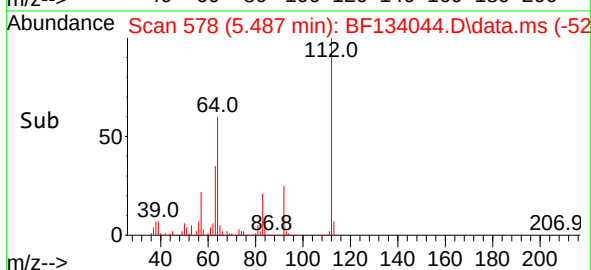
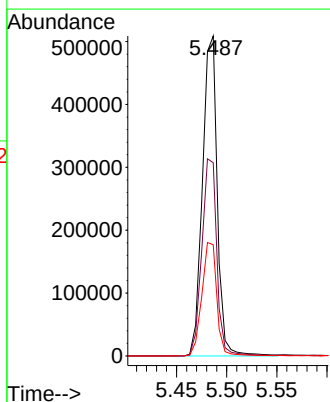
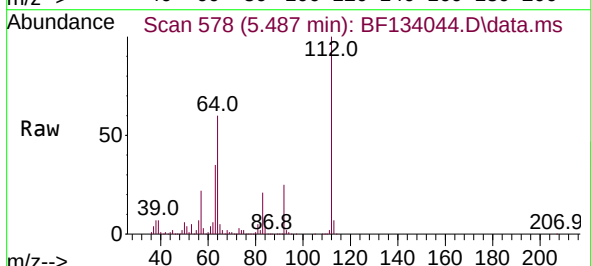
Manual Integrations
APPROVED

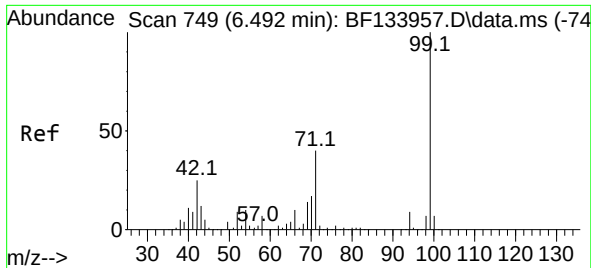
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#5
2-Fluorophenol
Concen: 93.394 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

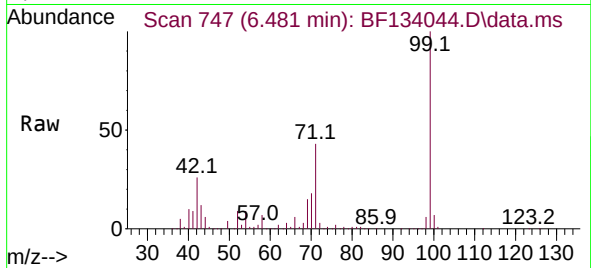
Tgt Ion:112 Resp: 526685
Ion Ratio Lower Upper
112 100
64 60.4 52.1 78.1
63 34.7 28.6 42.8





#7
Phenol-d6
Concen: 87.092 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

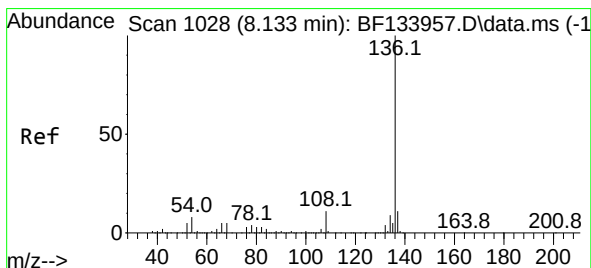
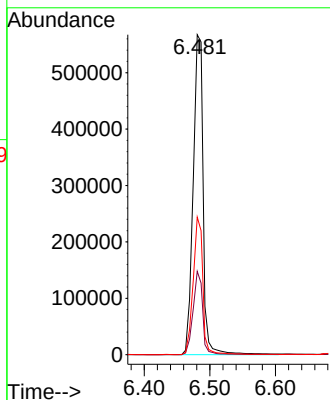
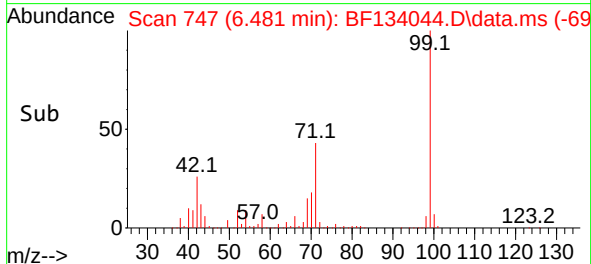
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13RE



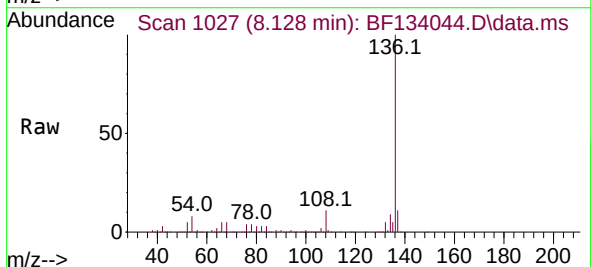
Tgt Ion: 99 Resp: 60401
Ion Ratio Lower Upper
99 100
42 26.1 19.8 29.6
71 43.0 31.9 47.9

Manual Integrations
APPROVED

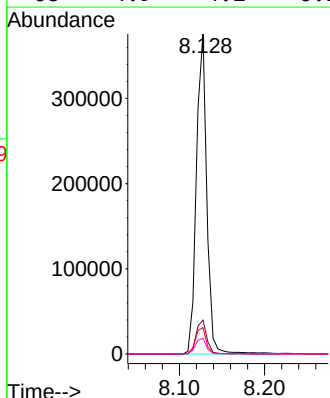
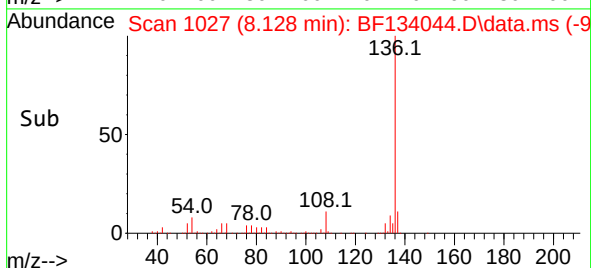
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

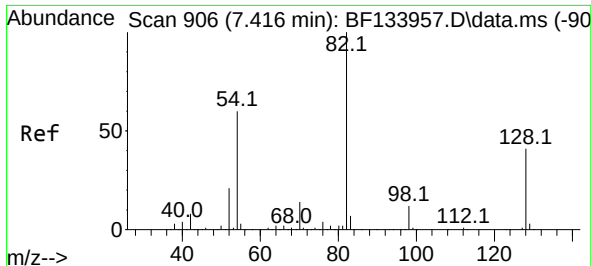


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10



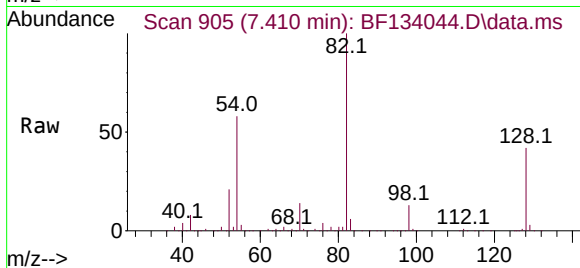
Tgt Ion:136 Resp: 319479
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 8.3 6.5 9.7
68 4.9 4.2 6.2





#23
Nitrobenzene-d5
Concen: 66.933 ng
RT: 7.410 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

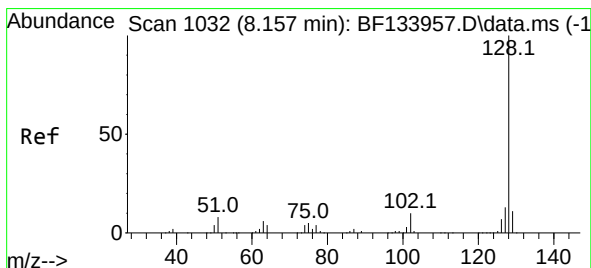
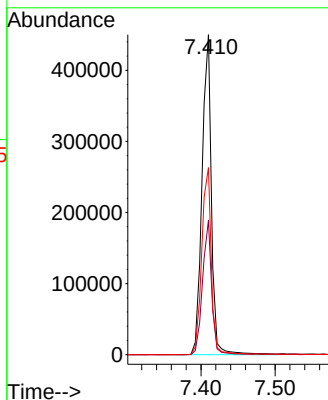
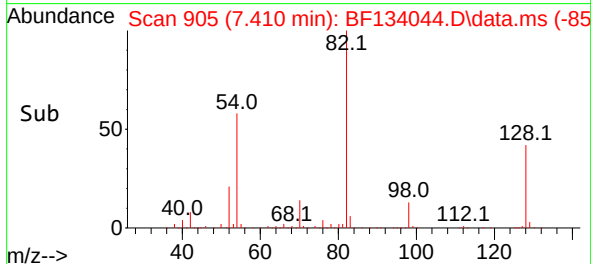
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13RE



Tgt Ion: 82 Resp: 396689
Ion Ratio Lower Upper
82 100
128 42.0 32.5 48.7
54 58.5 48.2 72.2

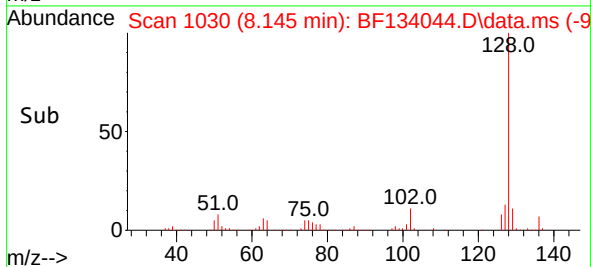
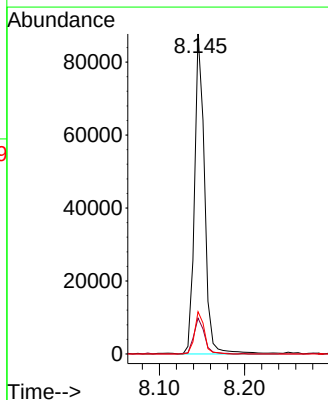
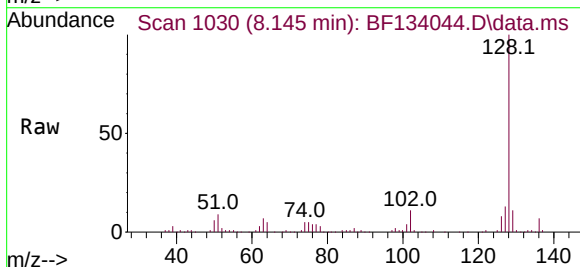
Manual Integrations
APPROVED

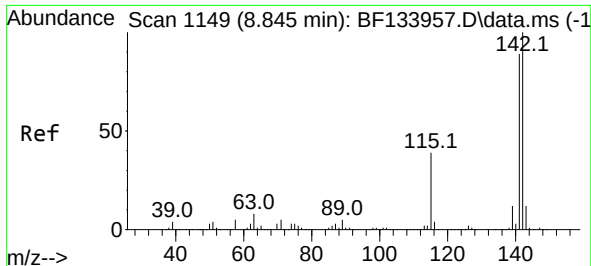
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#31
Naphthalene
Concen: 4.662 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

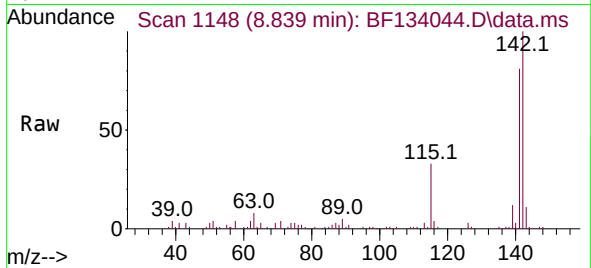
Tgt Ion:128 Resp: 71942
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.2 10.6 15.8





#37
2-Methylnaphthalene
Concen: 2.558 ng
RT: 8.839 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

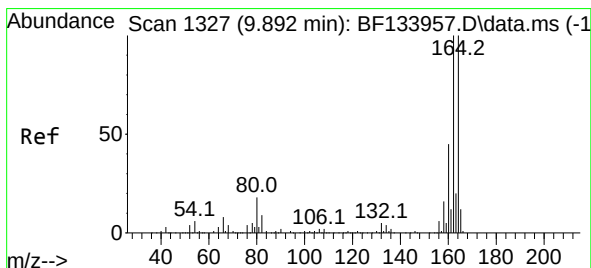
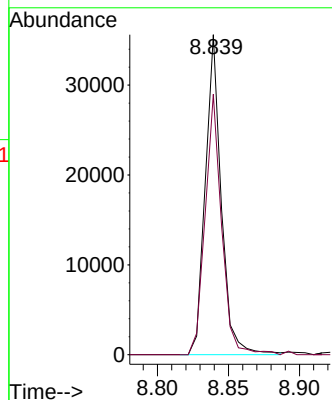
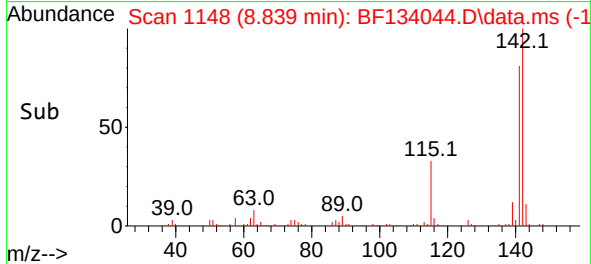
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13RE



Tgt Ion:142 Resp: 27919
Ion Ratio Lower Upper
142 100
141 81.4 71.0 106.4

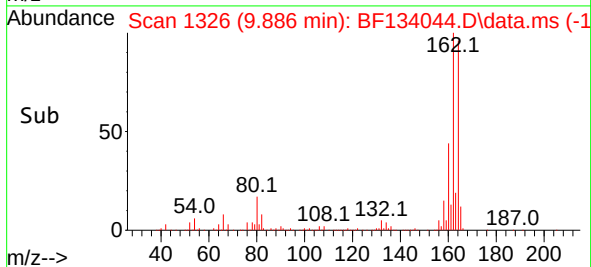
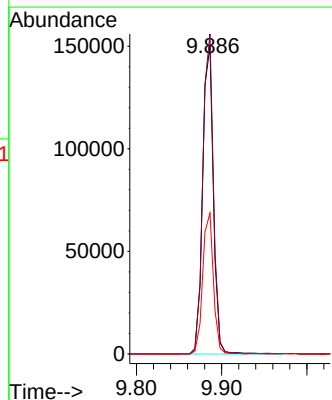
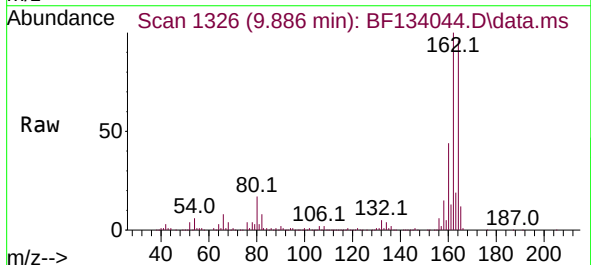
Manual Integrations
APPROVED

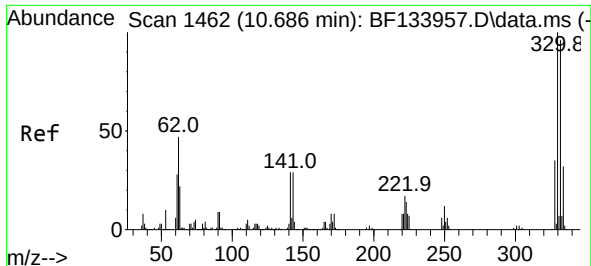
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

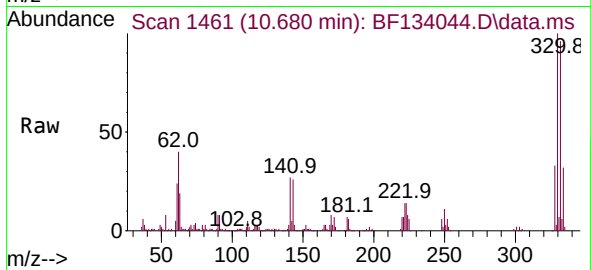
Tgt Ion:164 Resp: 131507
Ion Ratio Lower Upper
164 100
162 103.9 80.0 120.0
160 45.8 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 79.609 ng
RT: 10.680 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

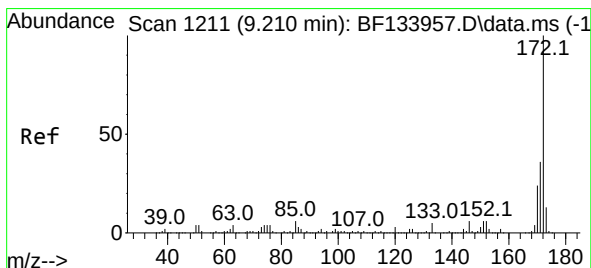
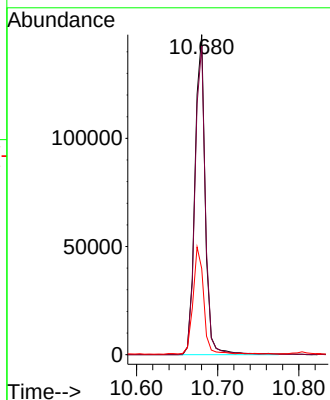
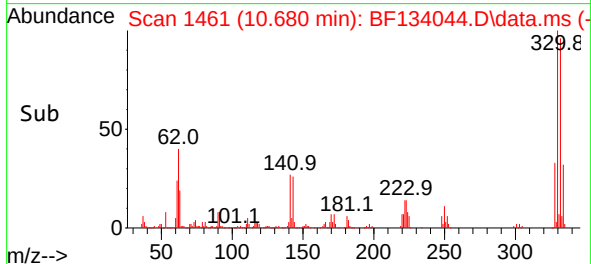
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13RE



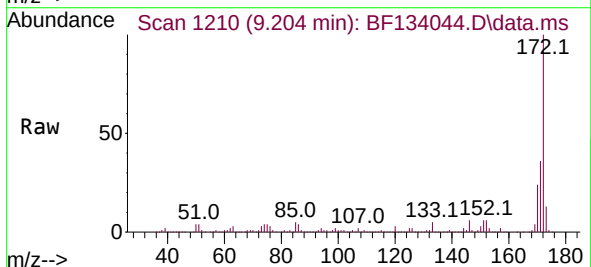
Tgt Ion: 330 Resp: 131262
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.6
141 34.4 26.3 39.5

Manual Integrations
APPROVED

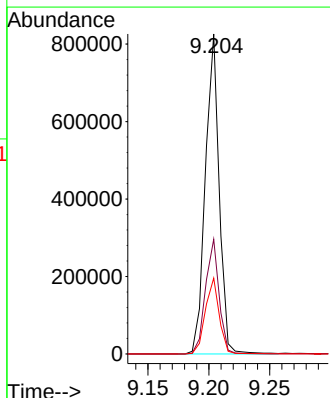
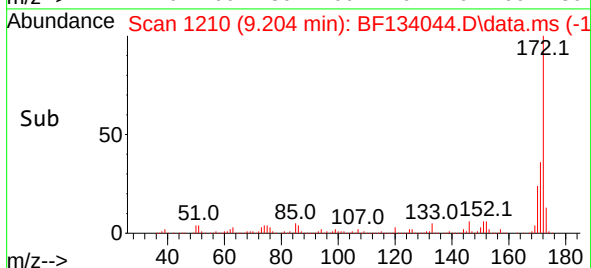
Reviewed By : Yogesh Patel 06/30/2023
Supervised By : mohammad ahmed 06/30/2023

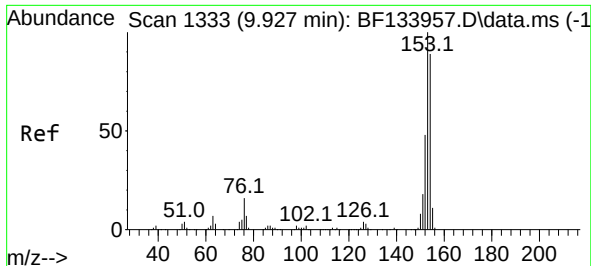


#45
2-Fluorobiphenyl
Concen: 71.964 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10



Tgt Ion: 172 Resp: 650927
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.7 19.4 29.0





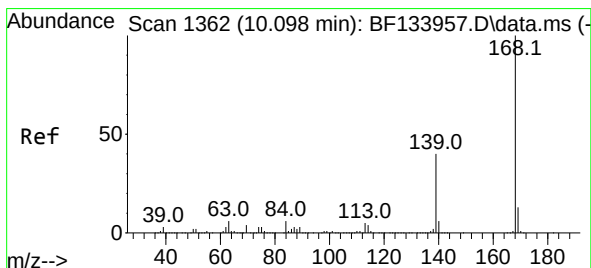
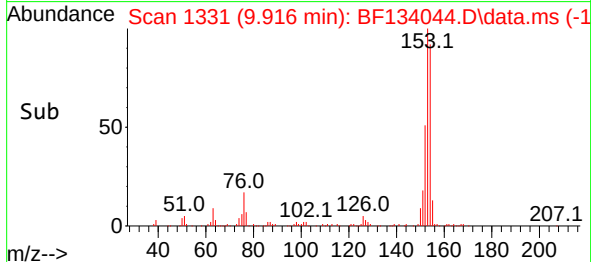
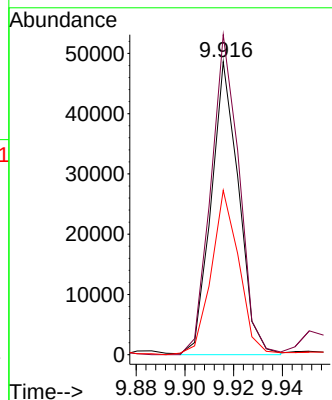
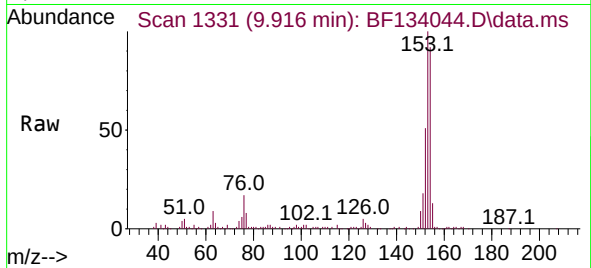
#52
Acenaphthene
Concen: 5.007 ng m
RT: 9.916 min Scan# 1331
Delta R.T. -0.011 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13RE

Tgt Ion:154 Resp: 38308
Ion Ratio Lower Upper
154 100
153 109.2 89.4 134.2
152 56.1 42.8 64.2

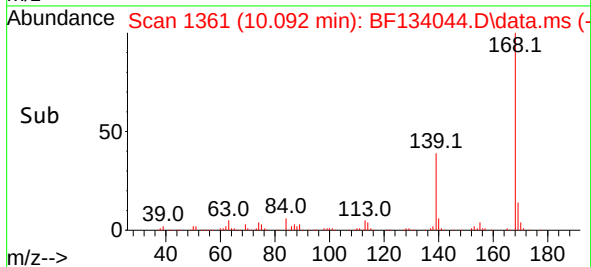
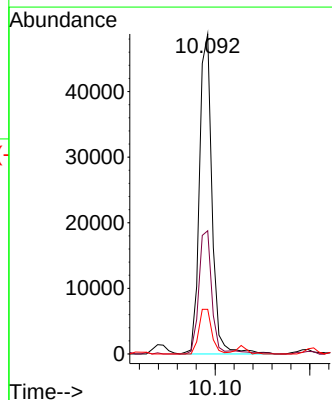
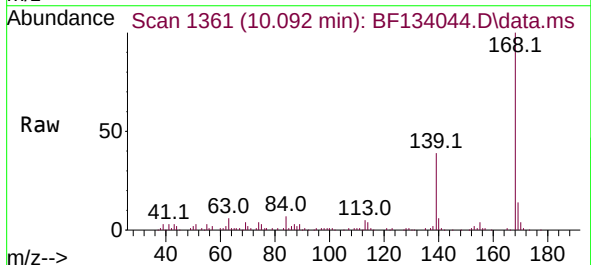
Manual Integrations
APPROVED

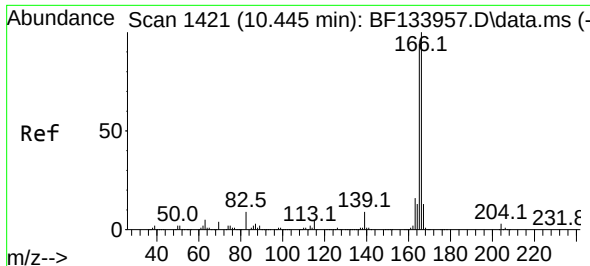
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#55
Dibenzofuran
Concen: 3.782 ng
RT: 10.092 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

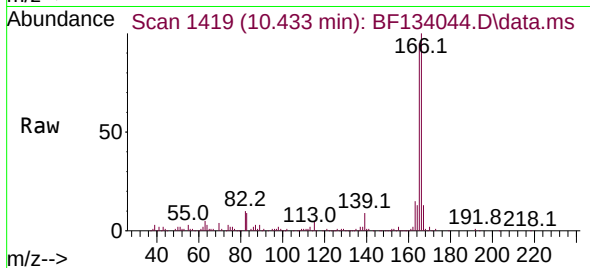
Tgt Ion:168 Resp: 45224
Ion Ratio Lower Upper
168 100
139 38.5 32.0 48.0
169 13.9 10.6 16.0





#58
Fluorene
Concen: 5.582 ng m
RT: 10.433 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

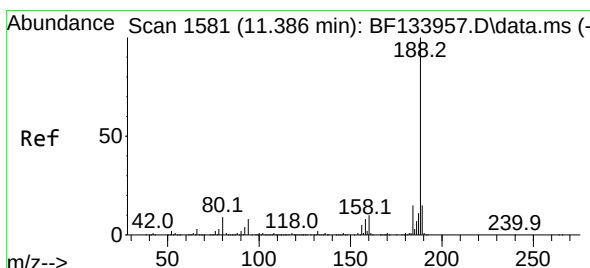
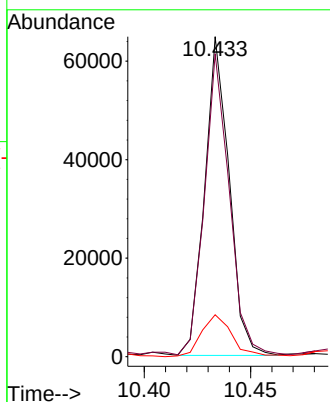
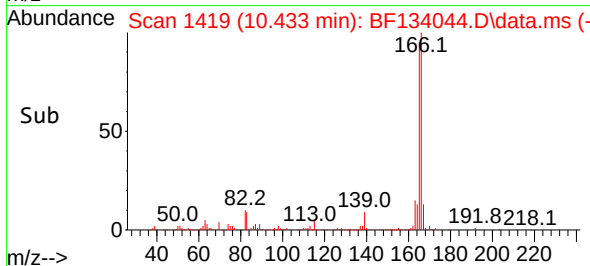
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13RE



Tgt Ion:166 Resp: 51920
Ion Ratio Lower Upper
166 100
165 94.7 75.0 112.4
167 13.1 10.6 15.8

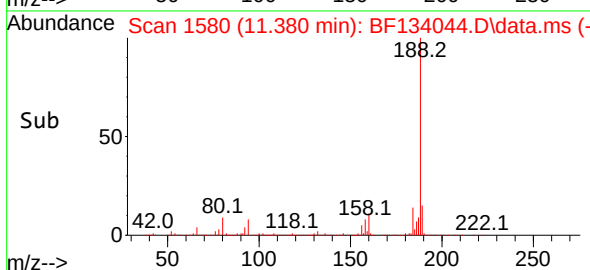
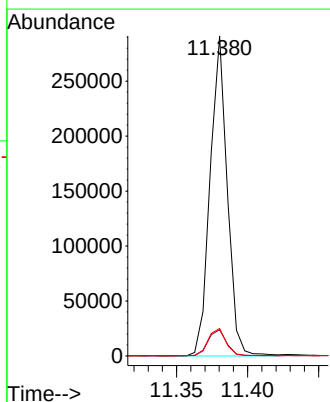
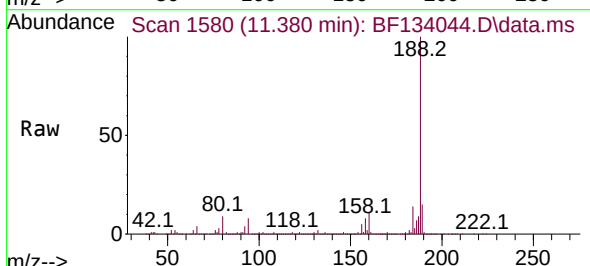
Manual Integrations
APPROVED

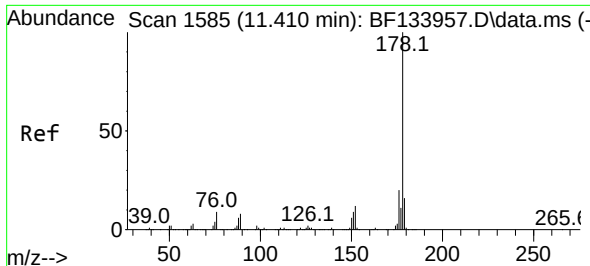
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

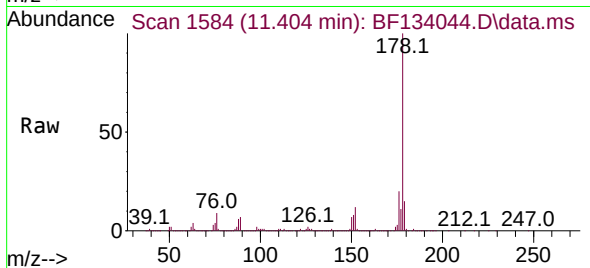
Tgt Ion:188 Resp: 244763
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 8.6 7.3 10.9





#71
Phenanthrene
Concen: 36.164 ng
RT: 11.404 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

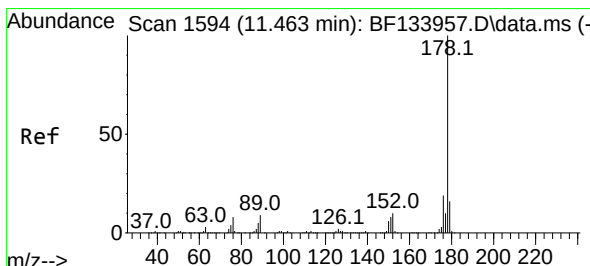
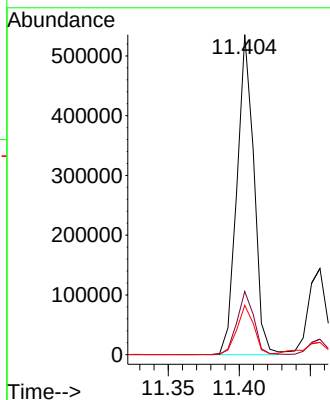
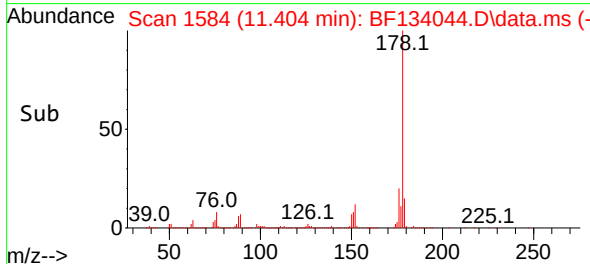
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13RE



Tgt Ion:178 Resp: 445608
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.4 12.4 18.6

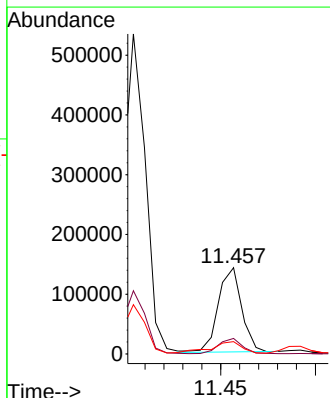
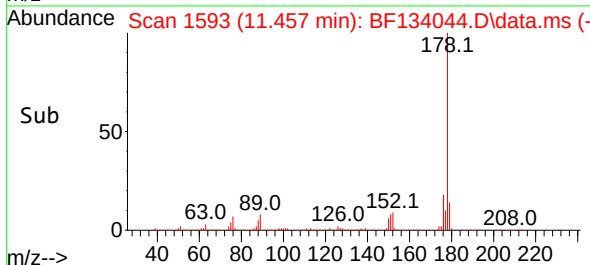
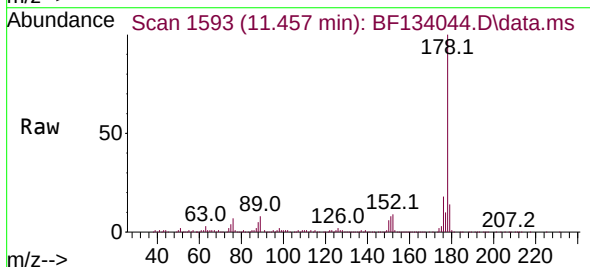
Manual Integrations
APPROVED

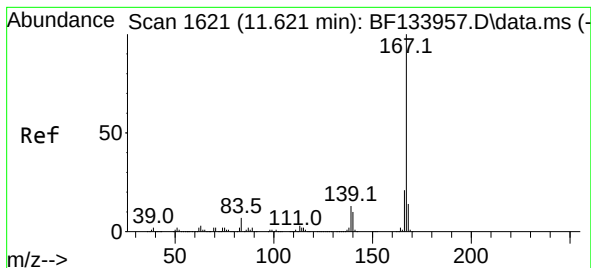
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#72
Anthracene
Concen: 9.503 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

Tgt Ion:178 Resp: 121794
Ion Ratio Lower Upper
178 100
176 17.9 15.3 22.9
179 14.4 12.4 18.6





#73

Carbazole

Concen: 4.713 ng

RT: 11.610 min Scan# 1619

Delta R.T. -0.012 min

Lab File: BF134044.D

Acq: 29 Jun 2023 19:10

Instrument :

BNA_F

ClientSampleId :

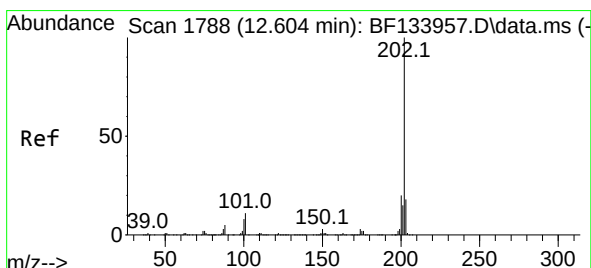
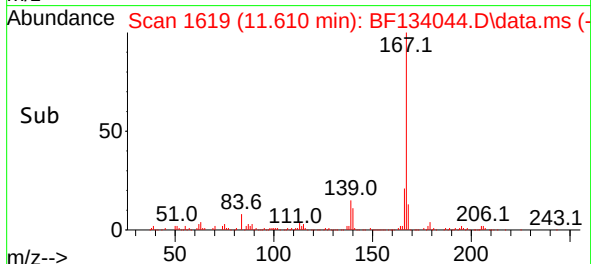
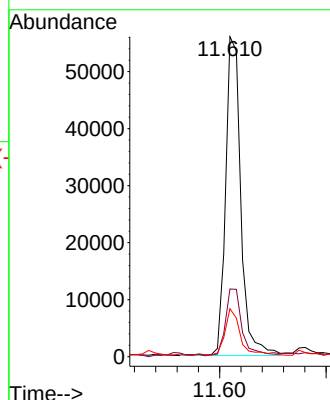
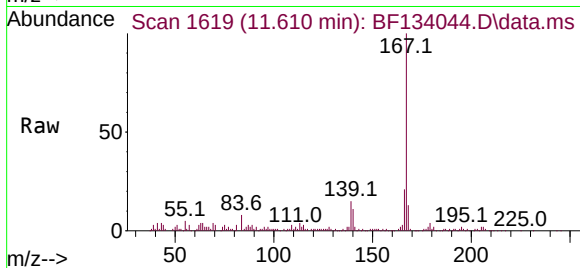
COMPOSIT-SB-12-13RE

Tgt Ion:	167	Resp:	5528
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.0	25.6
139	15.0	10.4	15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#75

Fluoranthene

Concen: 51.672 ng

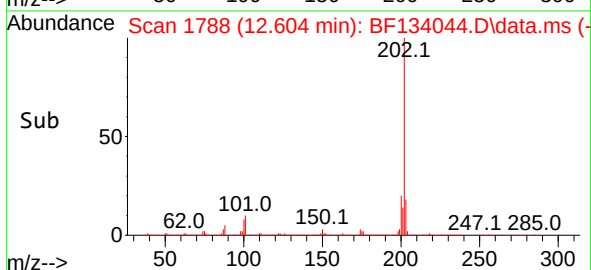
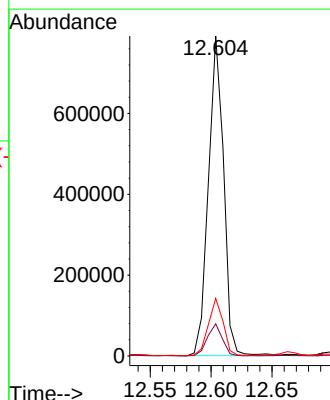
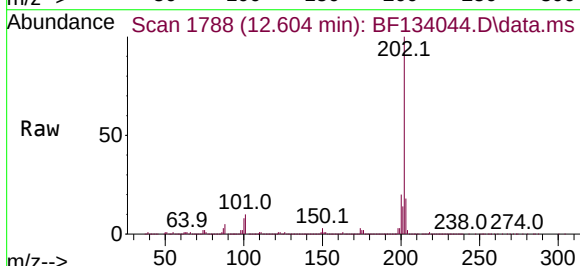
RT: 12.604 min Scan# 1788

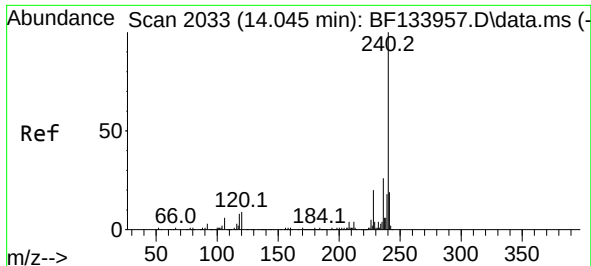
Delta R.T. 0.000 min

Lab File: BF134044.D

Acq: 29 Jun 2023 19:10

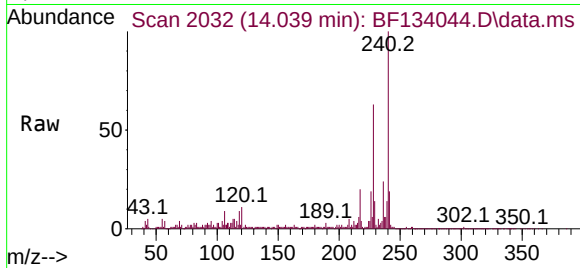
Tgt Ion:	202	Resp:	688321
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	31.0
203	18.0	0.0	37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

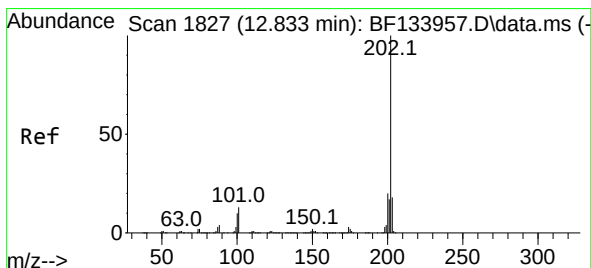
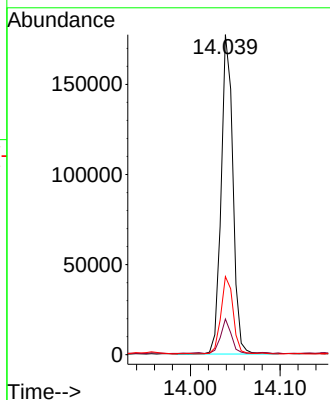
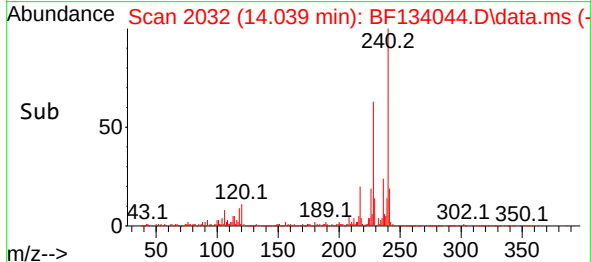
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13RE



Tgt Ion:240 Resp: 161293
Ion Ratio Lower Upper
240 100
120 11.2 7.4 11.0
236 24.4 21.0 31.6

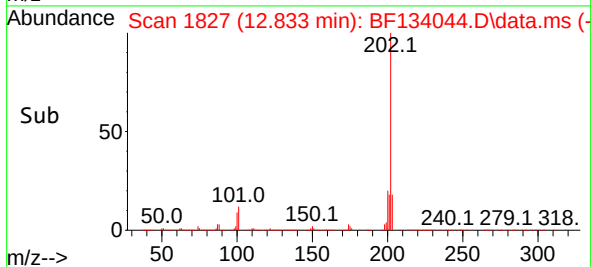
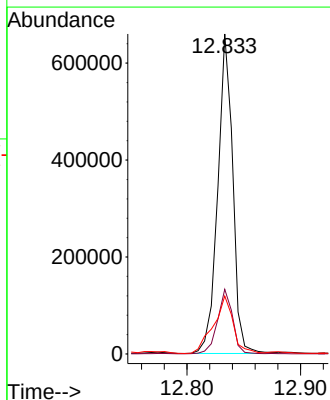
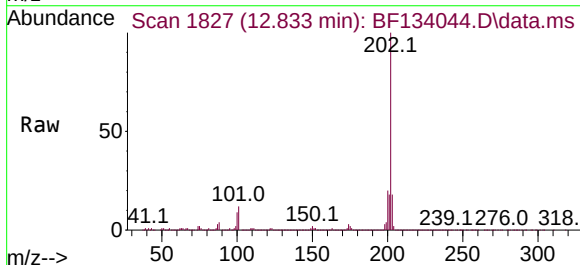
Manual Integrations
APPROVED

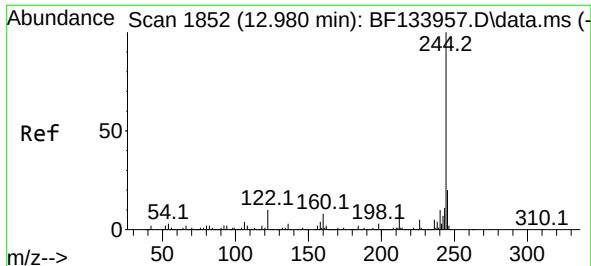
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#78
Pyrene
Concen: 40.470 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

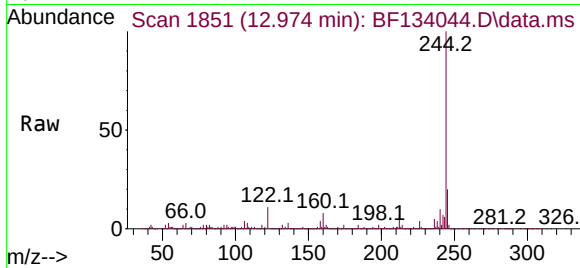
Tgt Ion:202 Resp: 607479
Ion Ratio Lower Upper
202 100
200 20.2 16.1 24.1
203 18.1 14.3 21.5





#79
 Terphenyl-d14
 Concen: 71.442 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF134044.D
 Acq: 29 Jun 2023 19:10

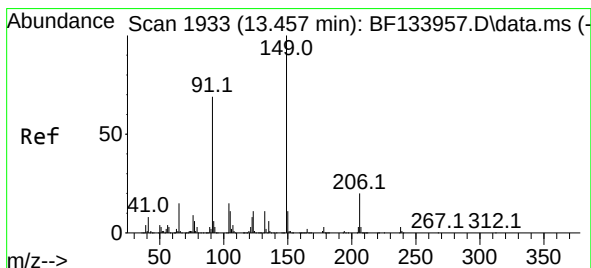
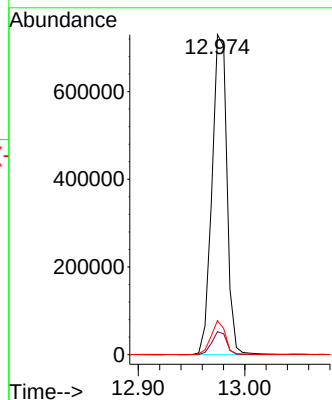
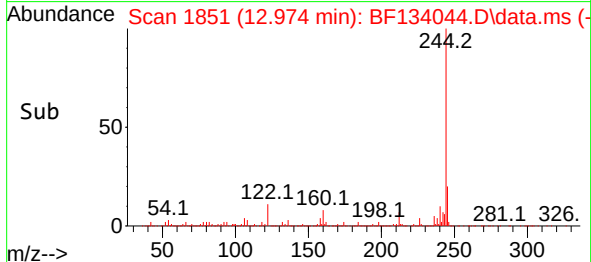
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-12-13RE



Tgt Ion:244 Resp: 71598
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 10.6 8.3 12.5

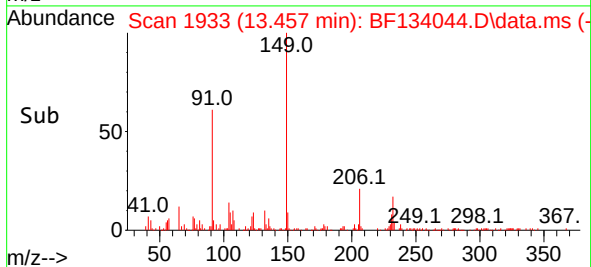
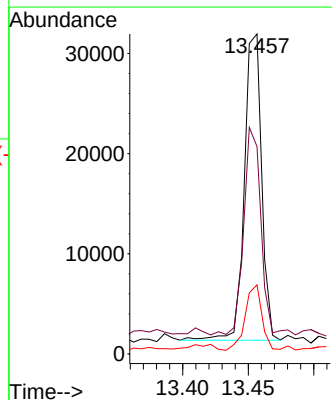
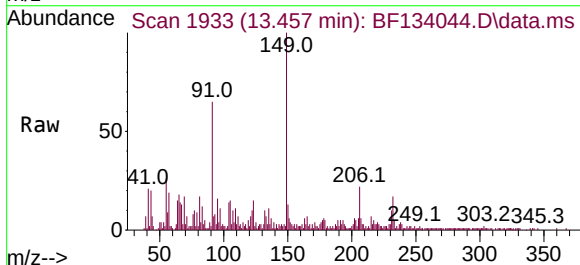
Manual Integrations
 APPROVED

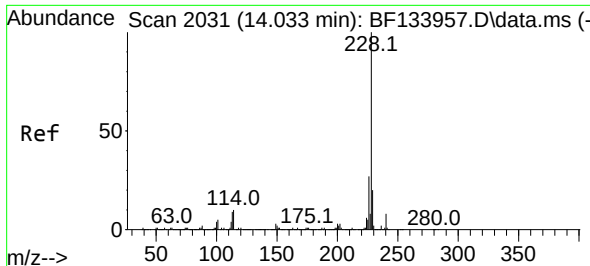
Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023



#80
 Butylbenzylphthalate
 Concen: 4.992 ng
 RT: 13.457 min Scan# 1933
 Delta R.T. 0.000 min
 Lab File: BF134044.D
 Acq: 29 Jun 2023 19:10

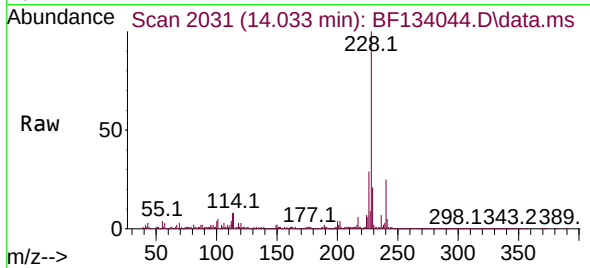
Tgt Ion:149 Resp: 28102
 Ion Ratio Lower Upper
 149 100
 91 64.8 55.1 82.7
 206 21.6 15.7 23.5





#81
Benzo(a)anthracene
Concen: 25.767 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

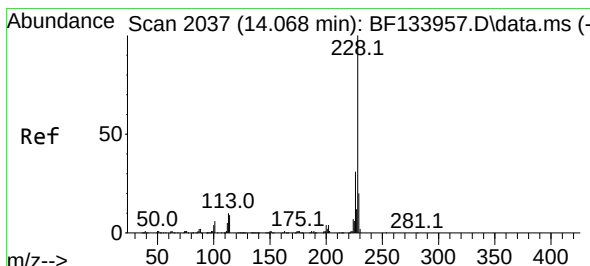
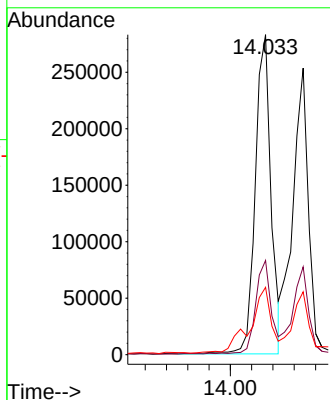
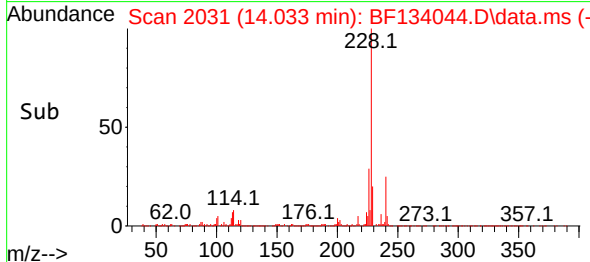
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13RE



Tgt Ion:228 Resp: 28822
Ion Ratio Lower Upper
228 100
226 29.4 22.0 33.0
229 21.0 16.3 24.5

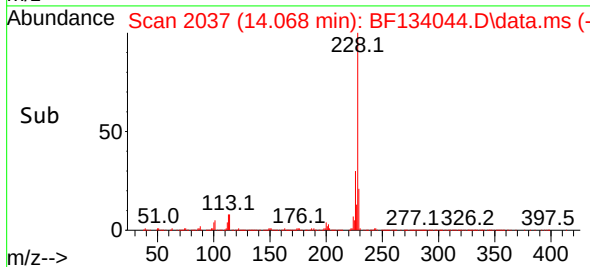
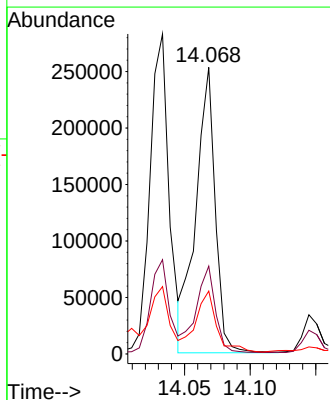
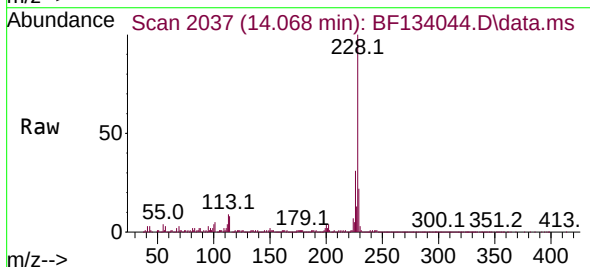
Manual Integrations
APPROVED

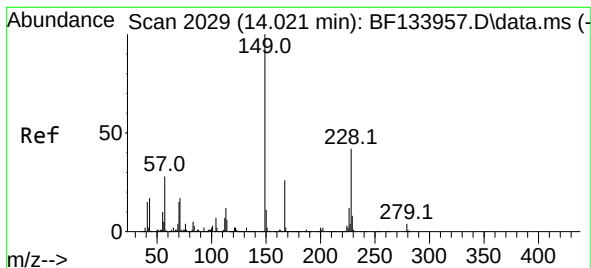
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#83
Chrysene
Concen: 24.082 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

Tgt Ion:228 Resp: 260917
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.0 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.468 ng

RT: 14.015 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF134044.D

Acq: 29 Jun 2023 19:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-12-13RE

Tgt Ion:149 Resp: 41839

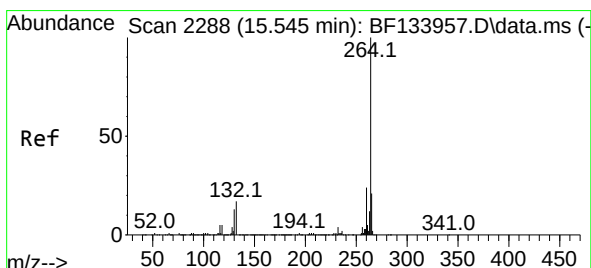
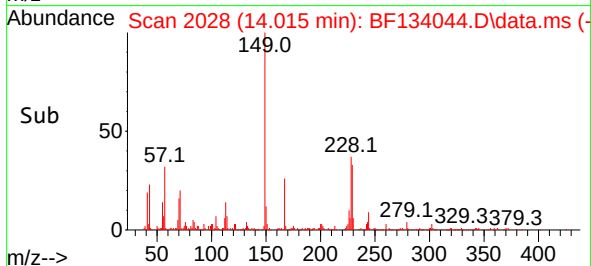
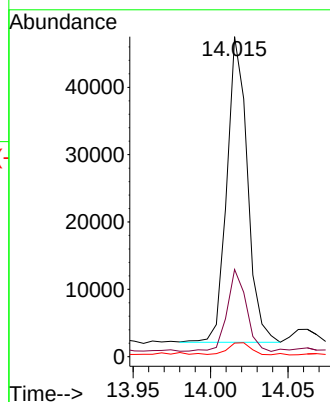
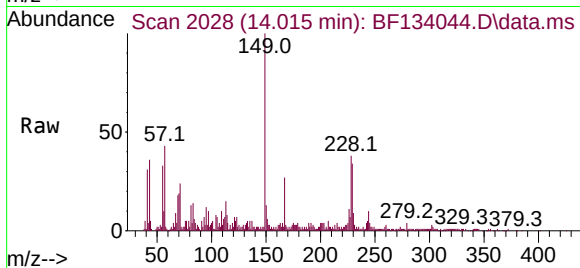
Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.0	31.4
279	4.2	3.3	4.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2289

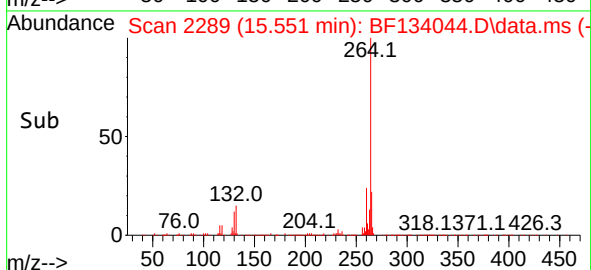
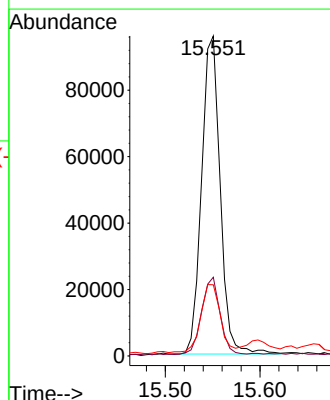
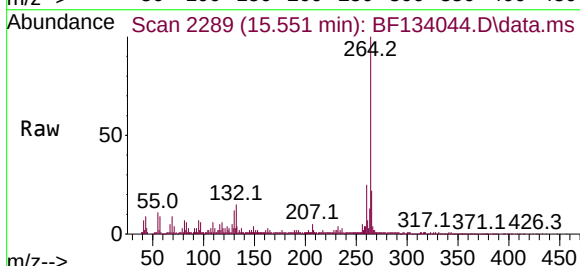
Delta R.T. 0.006 min

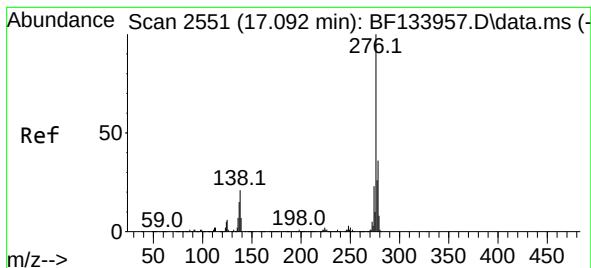
Lab File: BF134044.D

Acq: 29 Jun 2023 19:10

Tgt Ion:264 Resp: 131060

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	22.2	16.6	25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.995 ng

RT: 17.092 min Scan# 2551

Delta R.T. 0.000 min

Lab File: BF134044.D

Acq: 29 Jun 2023 19:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-12-13RE

Tgt Ion: 276 Resp: 109090

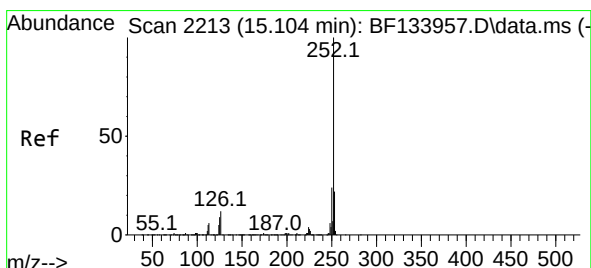
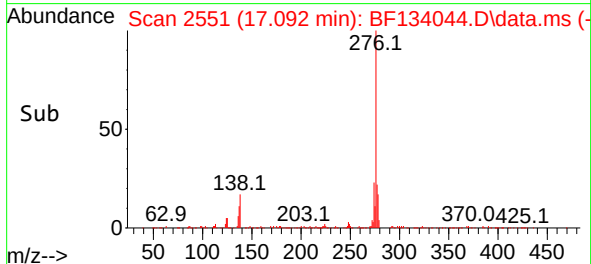
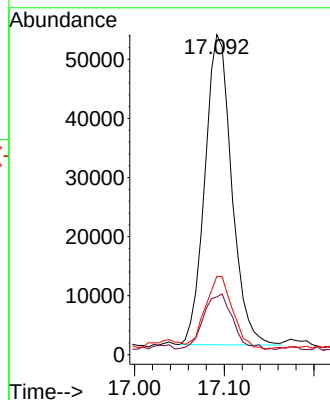
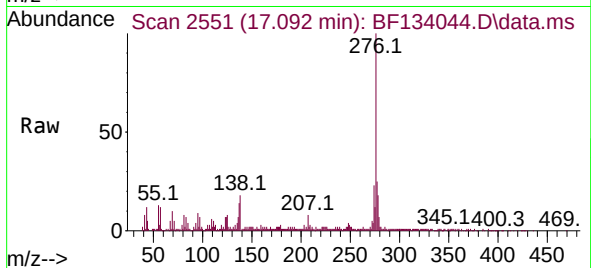
Ion	Ratio	Lower	Upper
276	100		
138	20.4	18.7	28.1
277	24.2	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#88

Benzo(b)fluoranthene

Concen: 36.149 ng m

RT: 15.104 min Scan# 2213

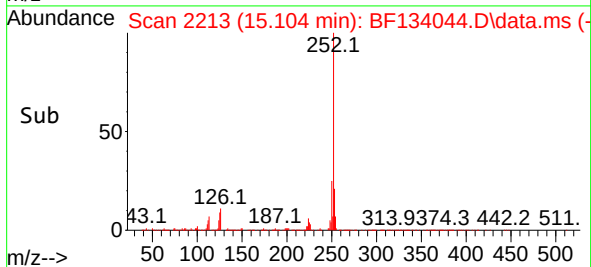
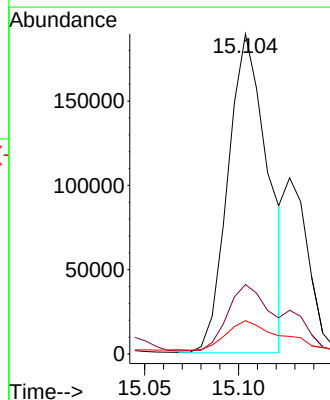
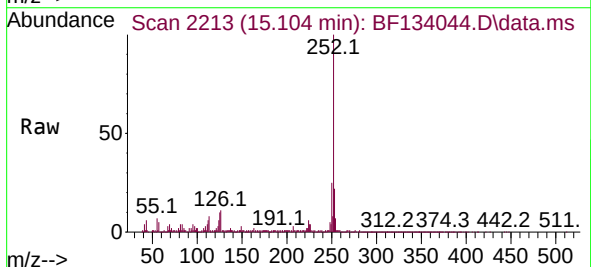
Delta R.T. 0.000 min

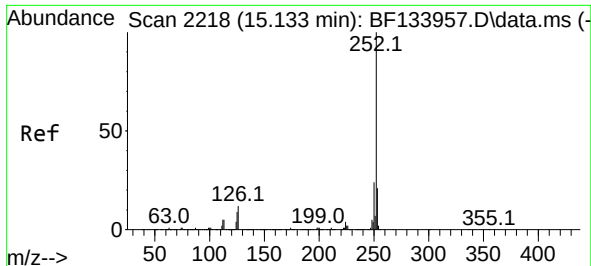
Lab File: BF134044.D

Acq: 29 Jun 2023 19:10

Tgt Ion: 252 Resp: 278579

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	10.4	7.1	10.7





#89

Benzo(k)fluoranthene

Concen: 11.548 ng m

RT: 15.127 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134044.D

Acq: 29 Jun 2023 19:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-12-13RE

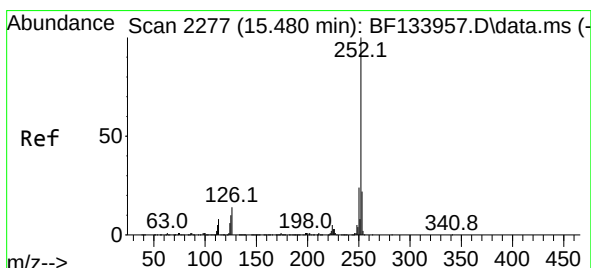
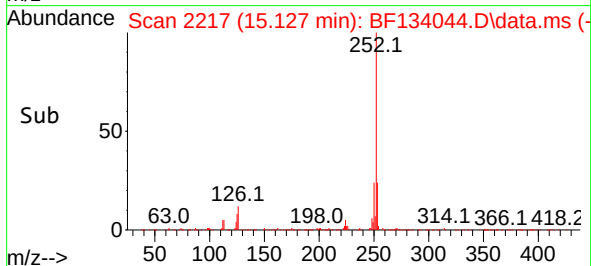
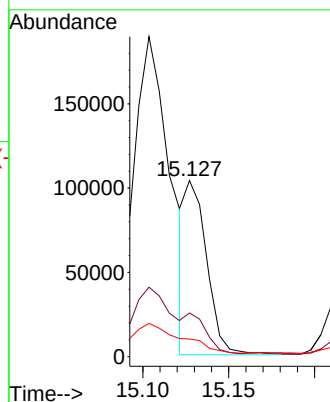
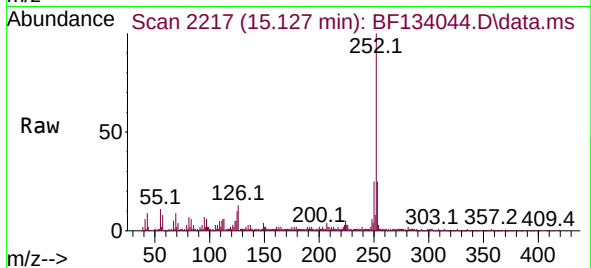
Tgt Ion:252 Resp: 90610
 Ion Ratio Lower Upper
 252 100
 253 24.8 16.9 25.3
 125 10.0 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#90

Benzo(a)pyrene

Concen: 24.755 ng

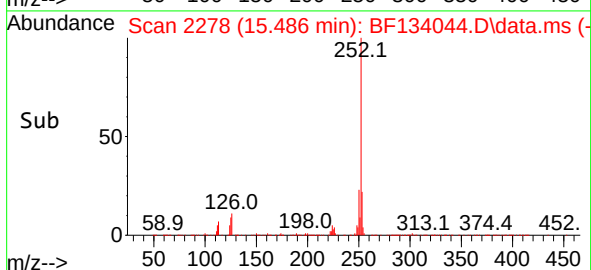
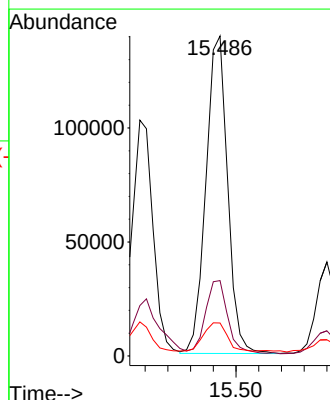
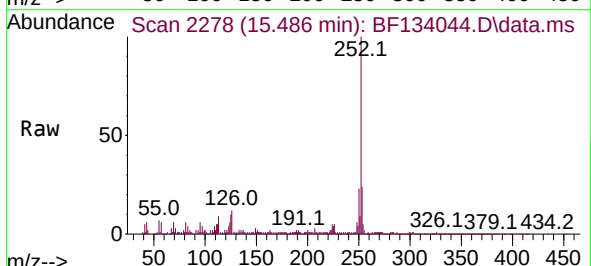
RT: 15.486 min Scan# 2278

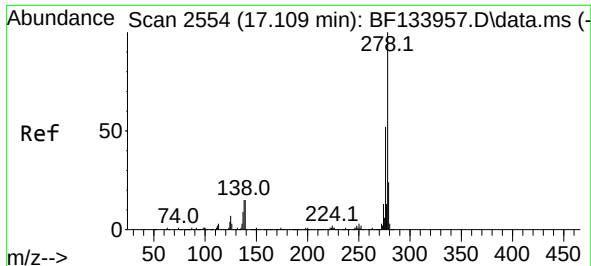
Delta R.T. 0.006 min

Lab File: BF134044.D

Acq: 29 Jun 2023 19:10

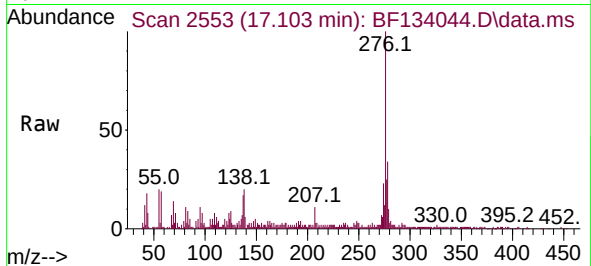
Tgt Ion:252 Resp: 184476
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.4 26.0
 125 10.3 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 3.809 ng
RT: 17.103 min Scan# 2554
Delta R.T. -0.006 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

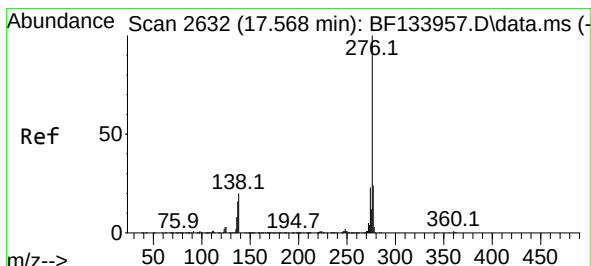
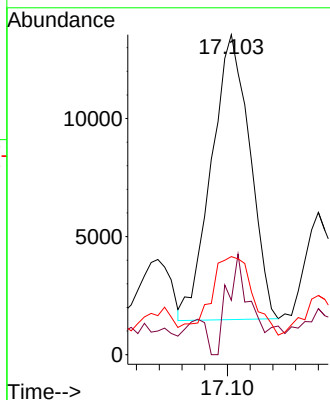
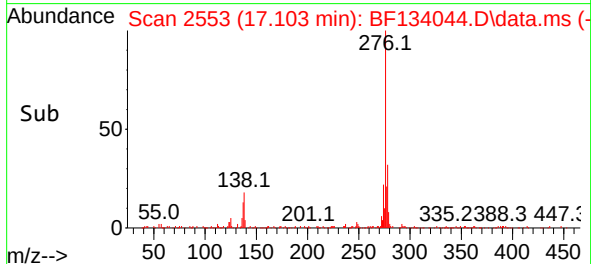
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13RE



Tgt Ion:278 Resp: 28290
Ion Ratio Lower Upper
278 100
139 17.0 12.2 18.4
279 30.6 19.4 29.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#92
Benzo(g,h,i)perylene
Concen: 14.073 ng
RT: 17.562 min Scan# 2631
Delta R.T. -0.006 min
Lab File: BF134044.D
Acq: 29 Jun 2023 19:10

Tgt Ion:276 Resp: 107799
Ion Ratio Lower Upper
276 100
277 26.1 19.0 28.6
138 19.1 16.2 24.2

