

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133822.D
 Acq On : 16 Jun 2023 23:37
 Operator : CG\JU
 Sample : 03223-07 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-05

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :mohammad ahmed 06/20/2023

Quant Time: Jun 17 00:14:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 14:54:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	78237	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	300357	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	133447	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	251897	20.000	ng	0.00
76) Chrysene-d12	14.051	240	126233	20.000	ng	0.00
86) Perylene-d12	15.562	264	102263	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	242234	53.901	ng	0.00
7) Phenol-d6	6.492	99	283627	48.485	ng	0.00
23) Nitrobenzene-d5	7.422	82	182707	33.132	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	79400	47.004	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	370812	39.500	ng	0.00
79) Terphenyl-d14	12.986	244	353580	43.341	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	120101	9.398	ng	98
72) Anthracene	11.469	178	27945	2.097	ng	97
75) Fluoranthene	12.610	202	202143	14.895	ng	97
78) Pyrene	12.845	202	180951	15.388	ng	97
81) Benzo(a)anthracene	14.039	228	69696	7.982	ng	96
83) Chrysene	14.074	228	61859	7.490	ng	97
87) Indeno(1,2,3-cd)pyrene	17.109	276	27661	3.932	ng	97
88) Benzo(b)fluoranthene	15.115	252	68283m	10.992	ng	
89) Benzo(k)fluoranthene	15.139	252	21302m	3.520	ng	
90) Benzo(a)pyrene	15.498	252	45346	7.865	ng	# 88
92) Benzo(g,h,i)perylene	17.586	276	28070	4.861	ng	# 90

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

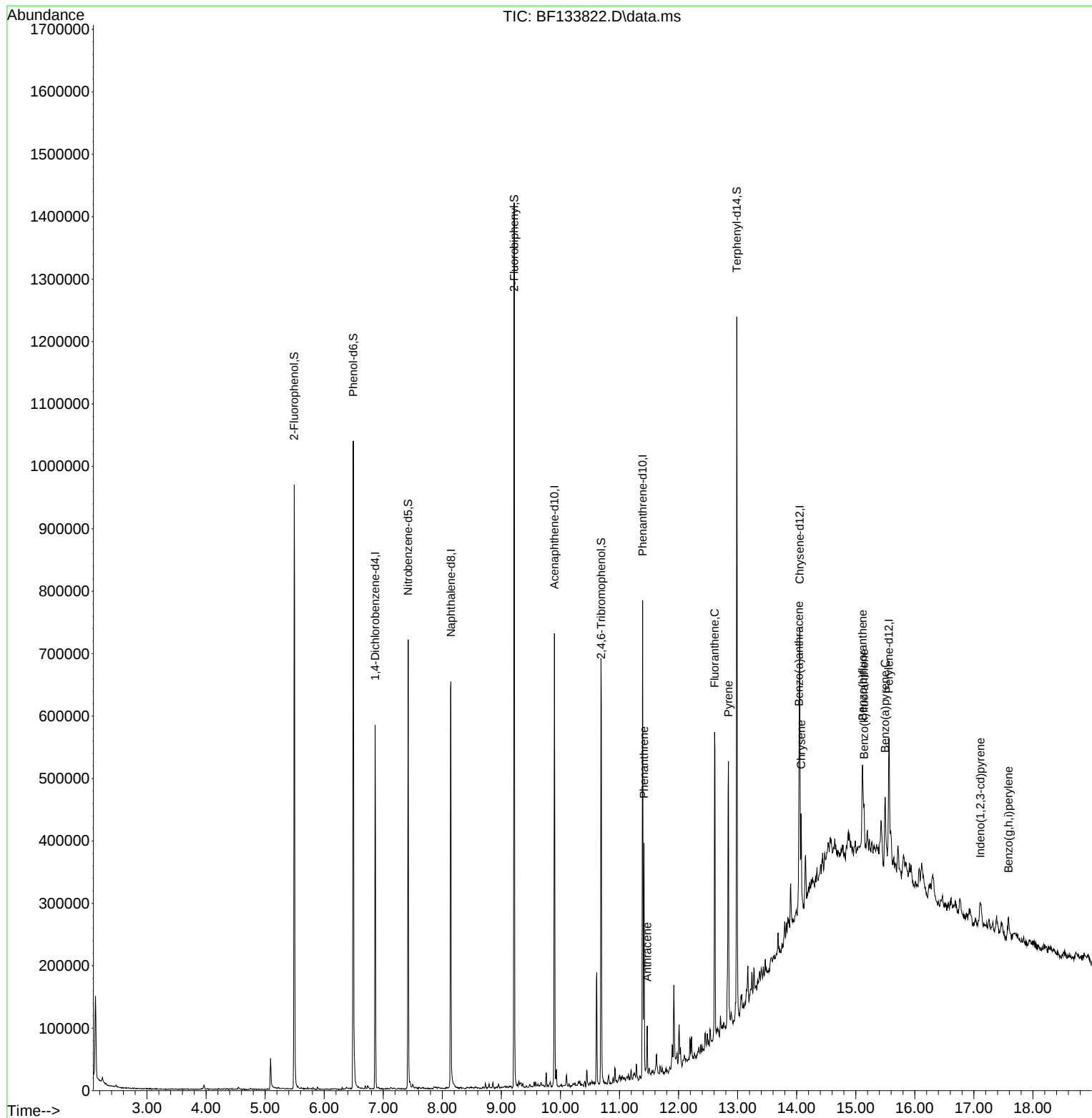
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
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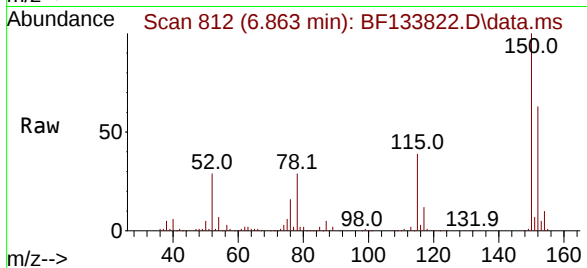
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

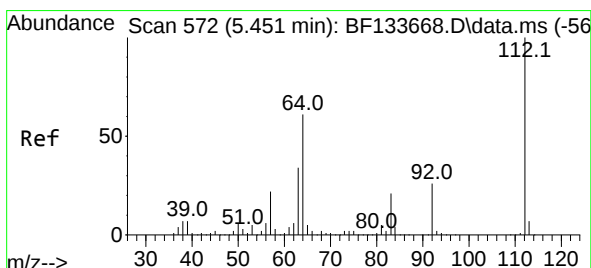
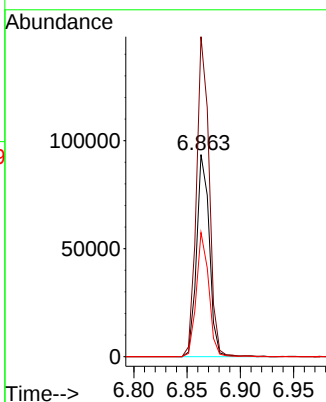
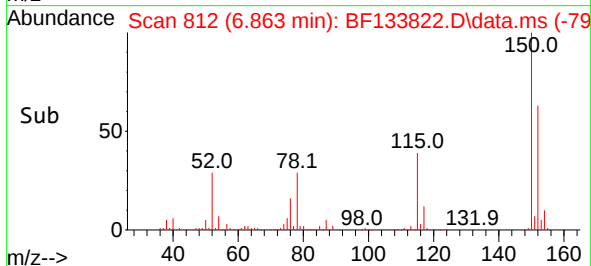
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05



Tgt Ion:152 Resp: 7823
Ion Ratio Lower Upper
152 100
150 158.4 124.3 186.5
115 61.5 48.5 72.7

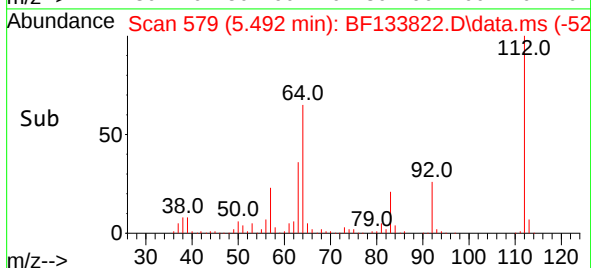
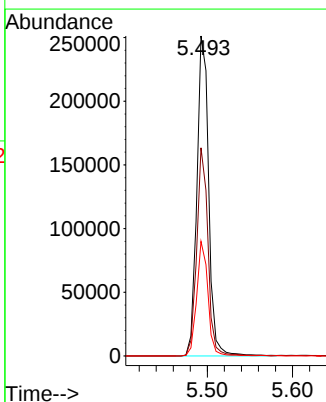
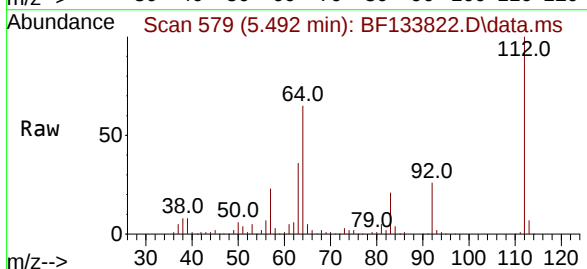
Manual Integrations
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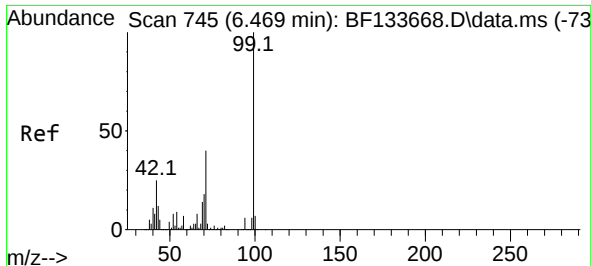
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#5
2-Fluorophenol
Concen: 53.901 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

Tgt Ion:112 Resp: 242234
Ion Ratio Lower Upper
112 100
64 65.1 49.0 73.4
63 35.8 26.8 40.2





#7

Phenol-d6

Concen: 48.485 ng

RT: 6.492 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF133822.D

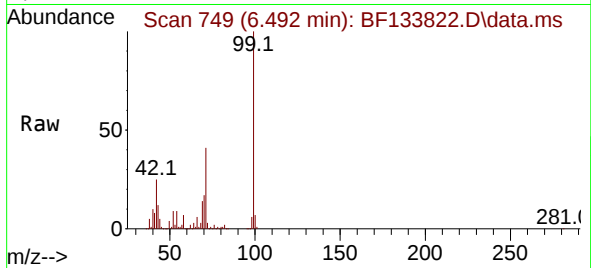
Acq: 16 Jun 2023 23:37

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05



Tgt Ion: 99 Resp: 28362

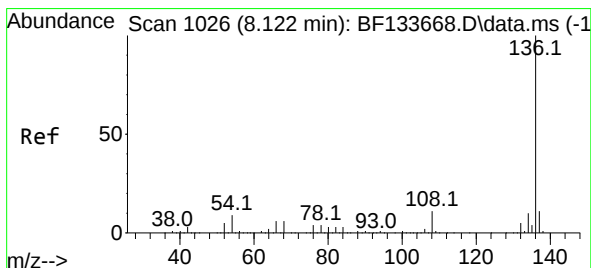
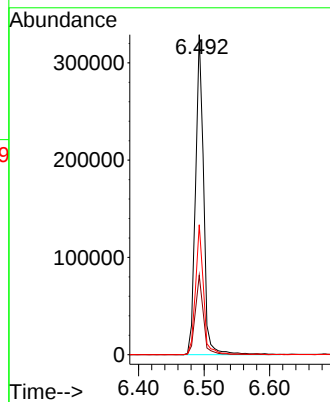
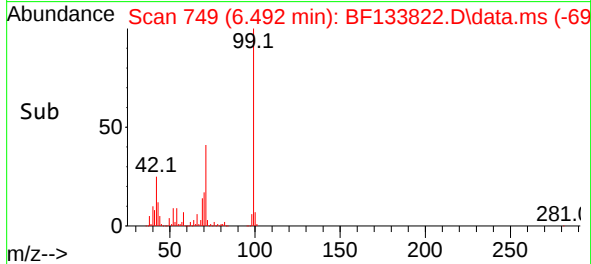
Ion	Ratio	Lower	Upper
99	100		
42	24.8	19.9	29.9
71	40.6	32.2	48.4

Manual Integrations

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Supervised By :mohammad ahmed 06/20/2023



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1030

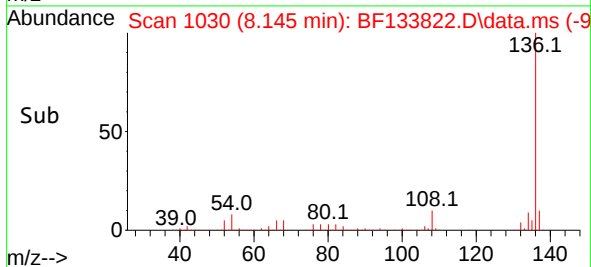
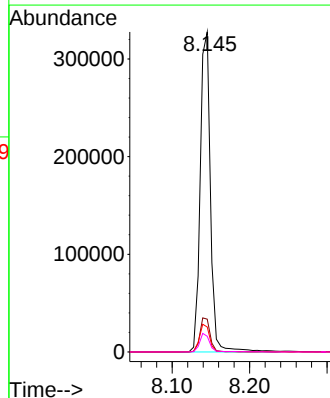
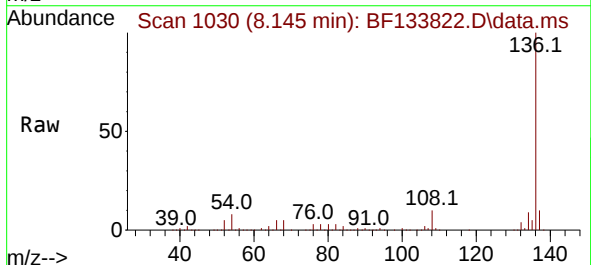
Delta R.T. -0.000 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

Tgt Ion:136 Resp: 300357

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.8	13.2
54	7.8	7.4	11.0
68	4.9	4.4	6.6





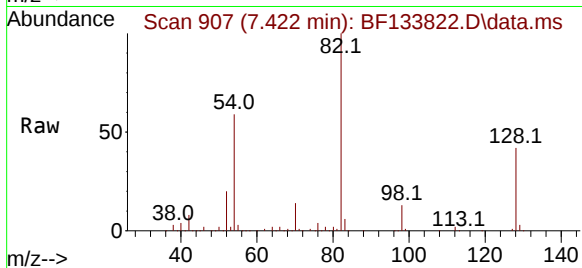
#23
Nitrobenzene-d5
Concen: 33.132 ng
RT: 7.422 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05

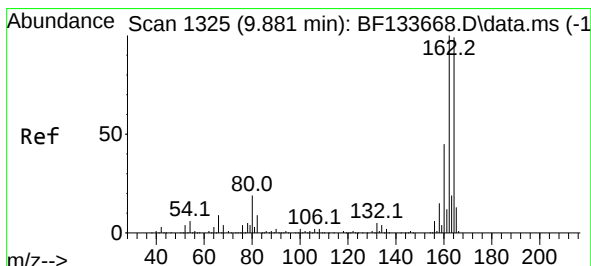
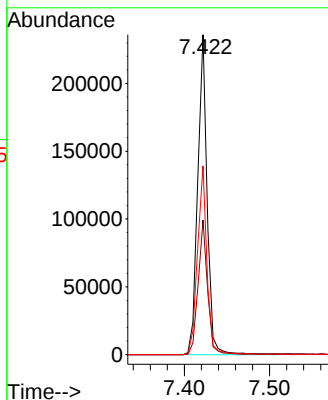
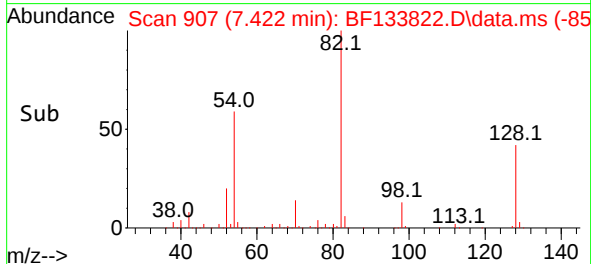


Tgt Ion: 82 Resp: 18270
Ion Ratio Lower Upper
82 100
128 42.0 34.2 51.2
54 59.0 46.5 69.7

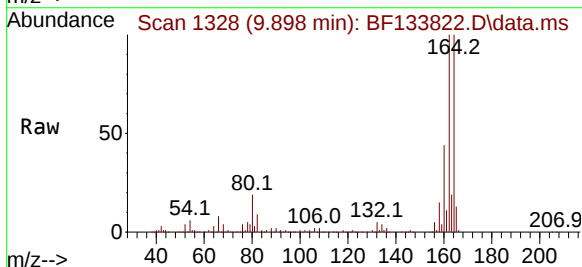
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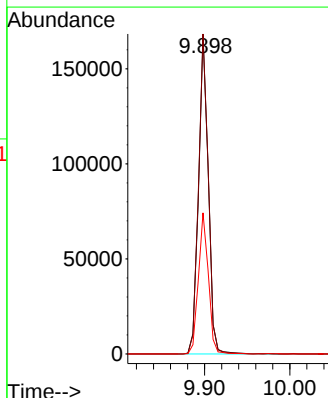
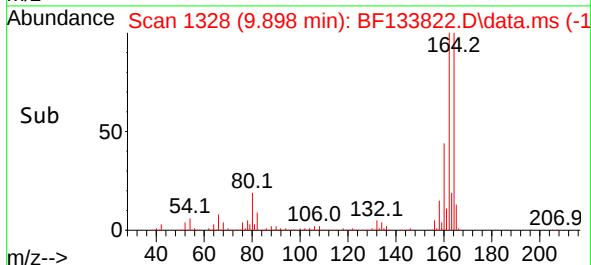
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37



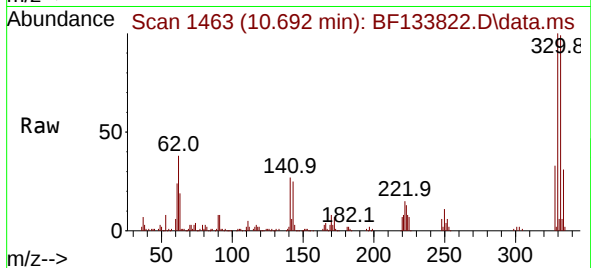
Tgt Ion:164 Resp: 133447
Ion Ratio Lower Upper
164 100
162 100.2 80.8 121.2
160 44.2 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 47.004 ng
RT: 10.692 min Scan# 1460
Delta R.T. 0.000 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

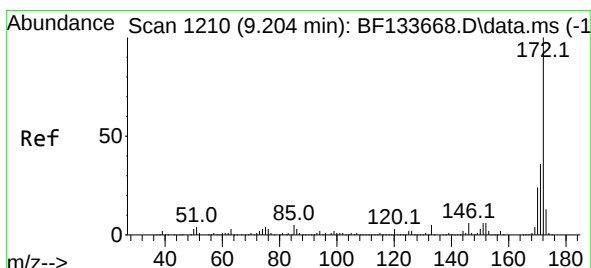
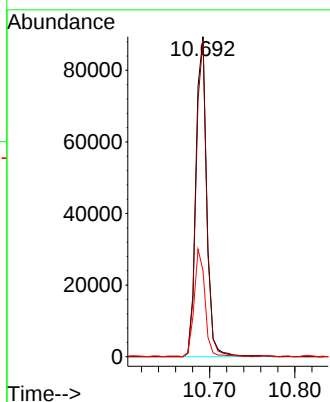
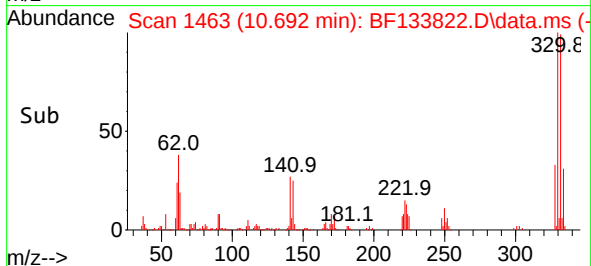
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05



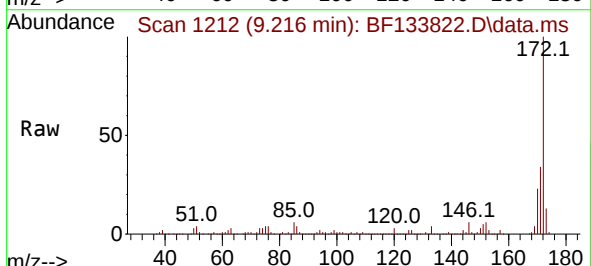
Tgt Ion:330 Resp: 79400
Ion Ratio Lower Upper
330 100
332 95.8 77.2 115.8
141 33.7 24.9 37.3

Manual Integrations
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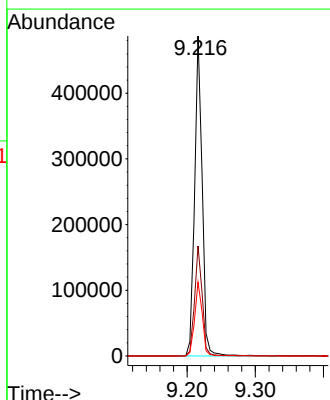
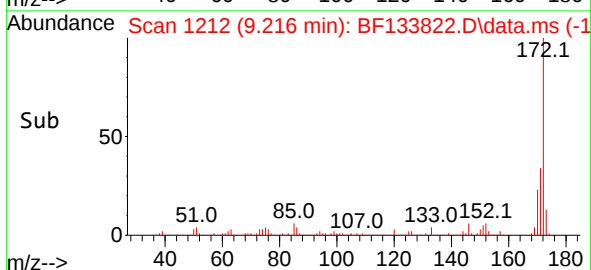
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

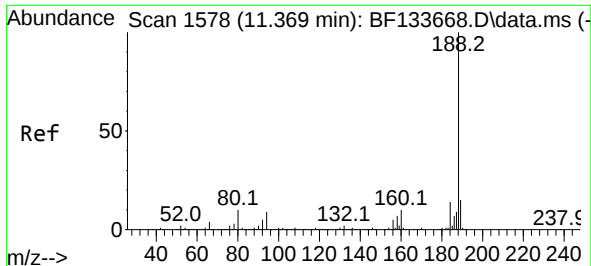


#45
2-Fluorobiphenyl
Concen: 39.500 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37



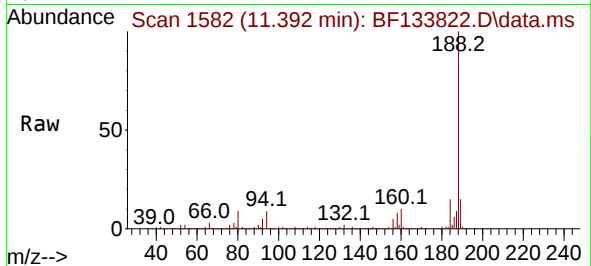
Tgt Ion:172 Resp: 370812
Ion Ratio Lower Upper
172 100
171 34.4 28.6 43.0
170 23.1 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

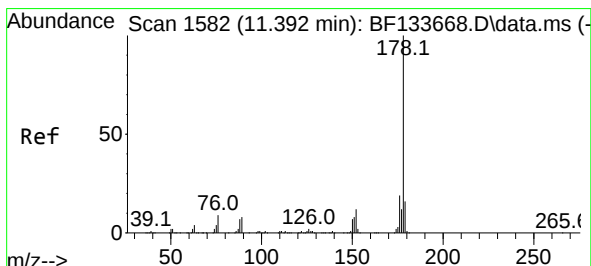
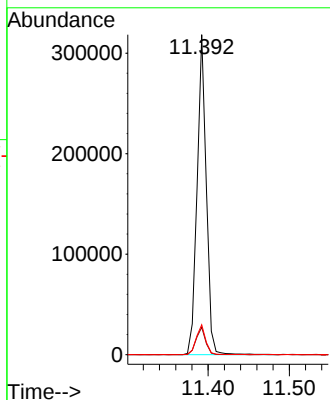
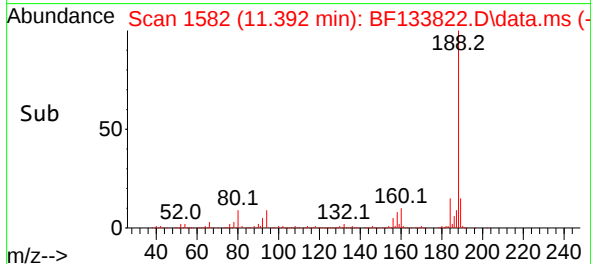
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05



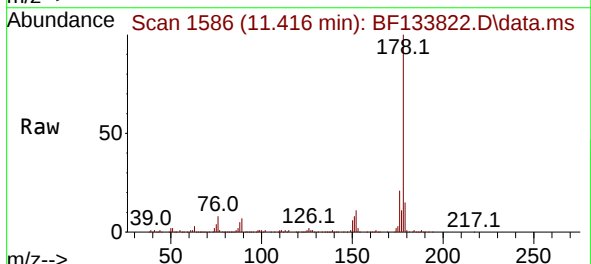
Tgt Ion:188 Resp: 25189
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.4 7.8 11.6

Manual Integrations
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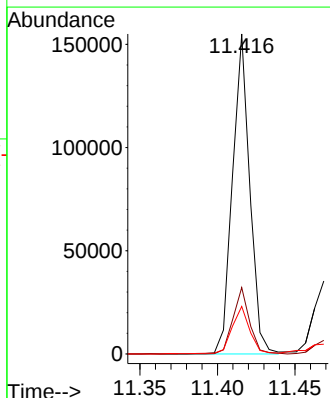
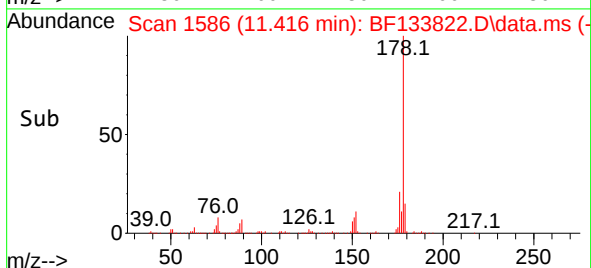
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

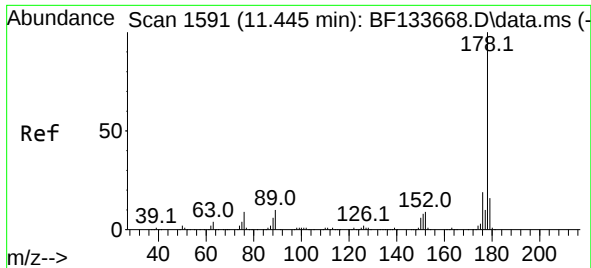


#71
Phenanthrene
Concen: 9.398 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37



Tgt Ion:178 Resp: 120101
Ion Ratio Lower Upper
178 100
176 20.7 15.6 23.4
179 14.9 12.4 18.6





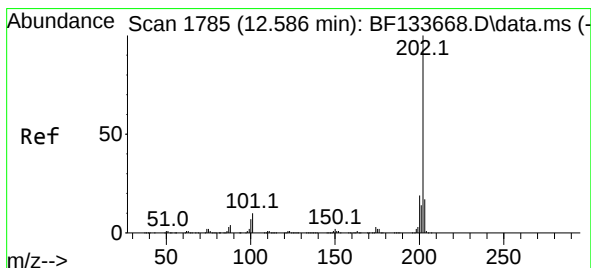
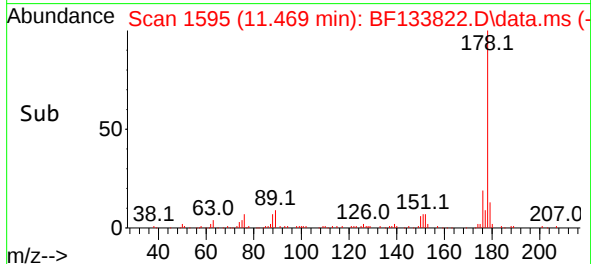
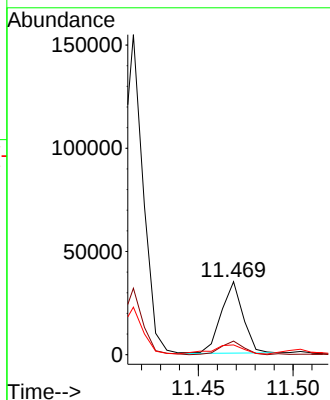
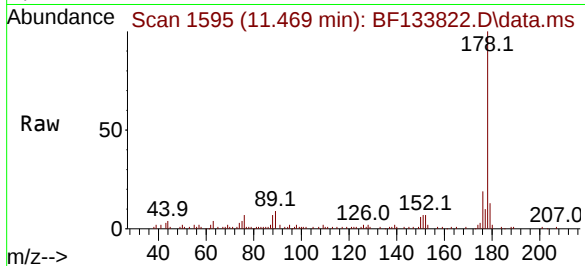
#72
 Anthracene
 Concen: 2.097 ng
 RT: 11.469 min Scan# 1591
 Delta R.T. -0.000 min
 Lab File: BF133822.D
 Acq: 16 Jun 2023 23:37

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-05

Tgt Ion:178 Resp: 27945
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.1 22.7
 179 13.3 12.6 18.8

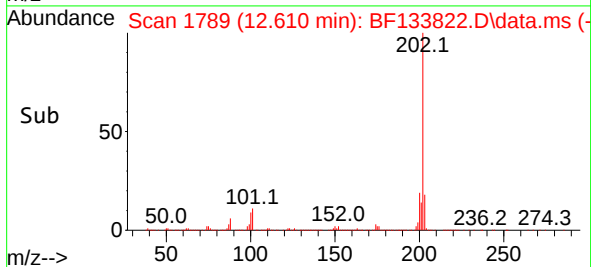
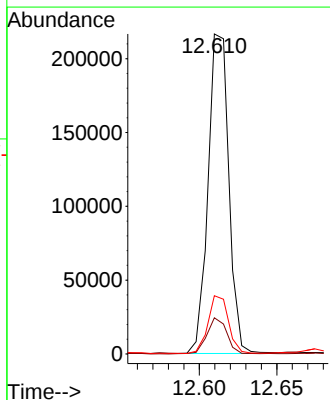
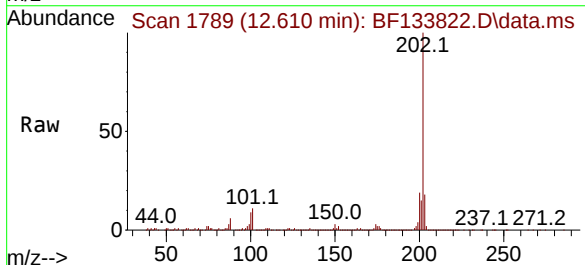
Manual Integrations
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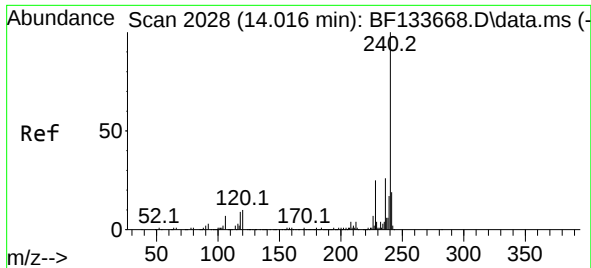
Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :mohammad ahmed 06/20/2023



#75
 Fluoranthene
 Concen: 14.895 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. -0.006 min
 Lab File: BF133822.D
 Acq: 16 Jun 2023 23:37

Tgt Ion:202 Resp: 202143
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 29.6
 203 18.2 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

Instrument :

BNA_F

ClientSampleId :

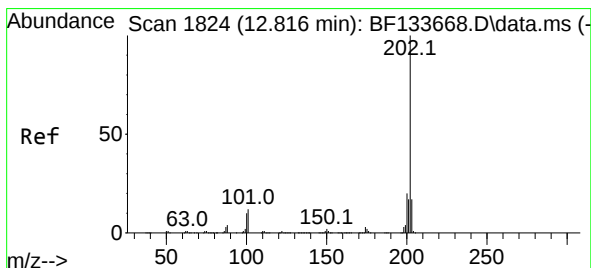
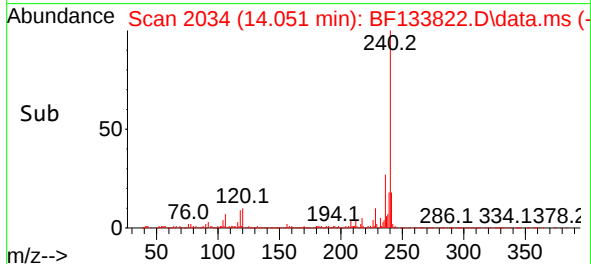
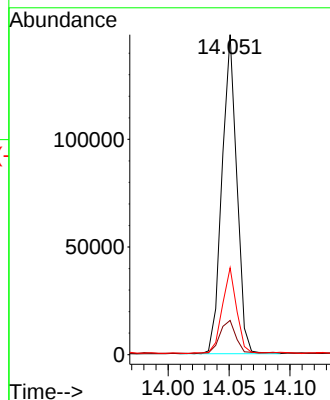
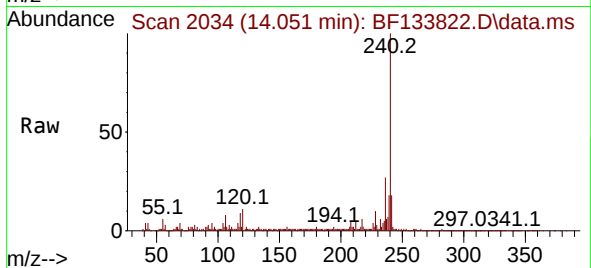
COMPOSIT-SB-05

Tgt Ion:240 Resp: 12623
Ion Ratio Lower Upper
240 100
120 10.7 8.1 12.1
236 27.2 20.5 30.7

Manual Integrations

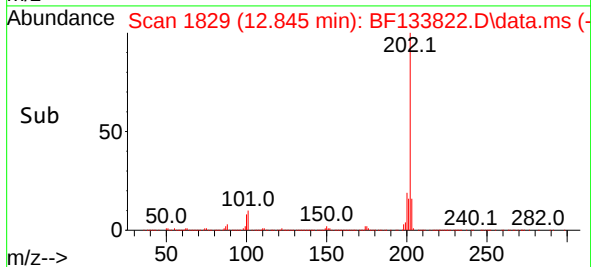
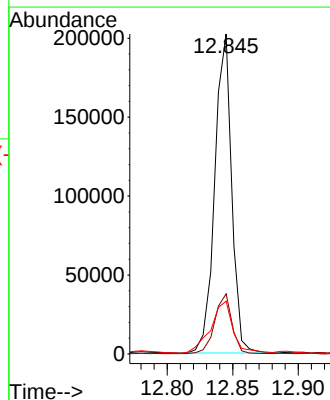
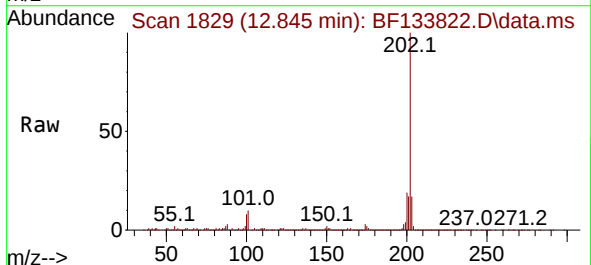
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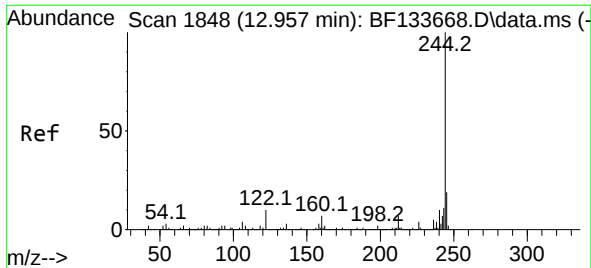
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#78
Pyrene
Concen: 15.388 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

Tgt Ion:202 Resp: 180951
Ion Ratio Lower Upper
202 100
200 18.8 16.2 24.2
203 16.5 13.9 20.9





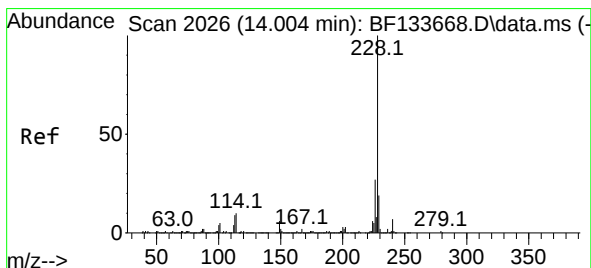
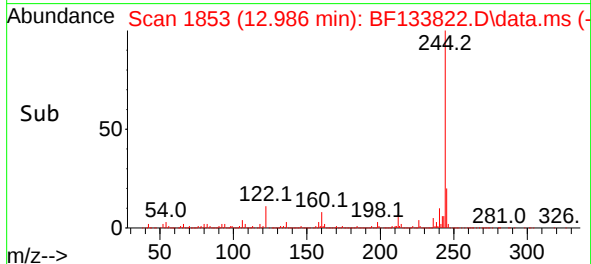
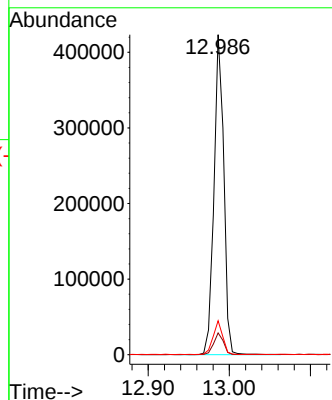
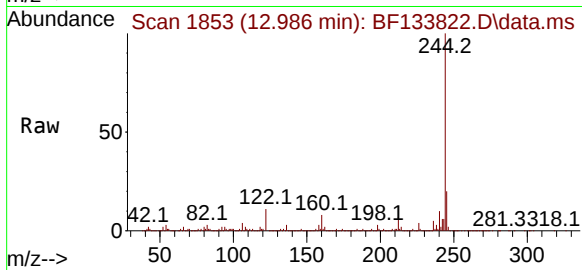
#79
 Terphenyl-d14
 Concen: 43.341 ng
 RT: 12.986 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF133822.D
 Acq: 16 Jun 2023 23:37

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-05

Tgt Ion:244 Resp: 353580
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 10.6 8.1 12.1

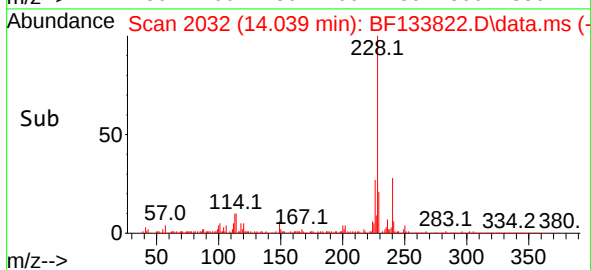
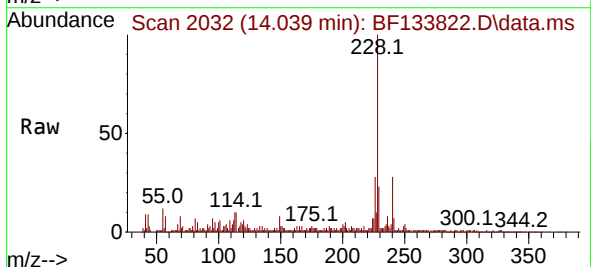
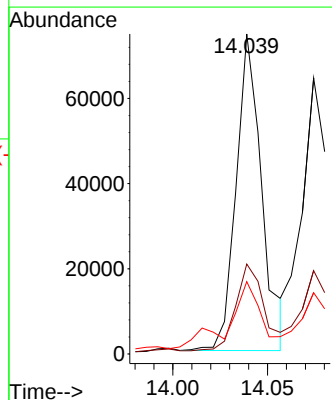
Manual Integrations
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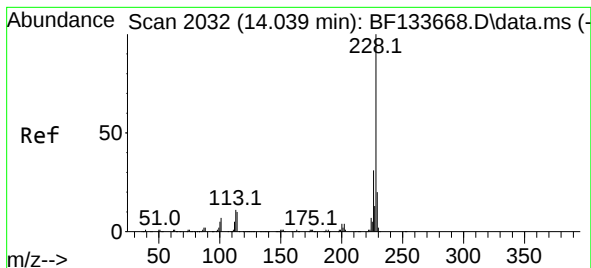
Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :mohammad ahmed 06/20/2023



#81
 Benzo(a)anthracene
 Concen: 7.982 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF133822.D
 Acq: 16 Jun 2023 23:37

Tgt Ion:228 Resp: 69696
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.7 32.5
 229 22.6 15.4 23.2





#83

Chrysene

Concen: 7.490 ng

RT: 14.074 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05

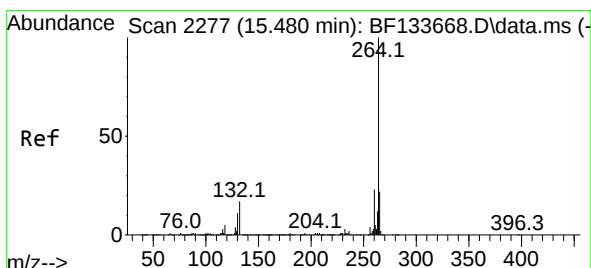
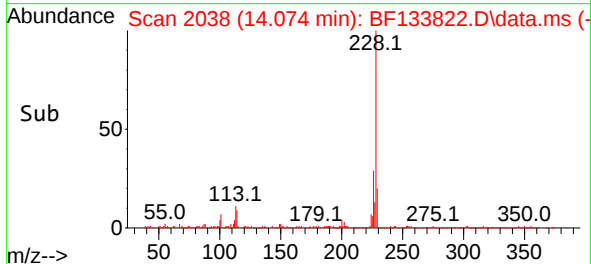
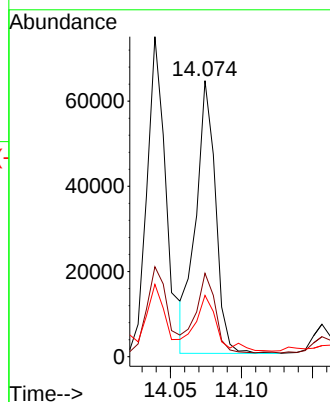
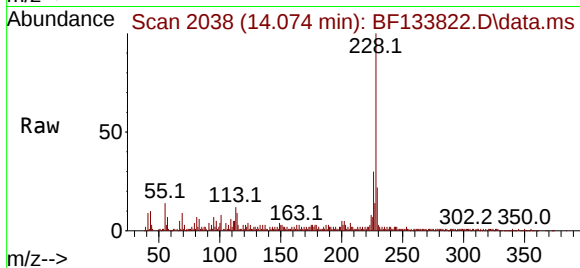
Tgt Ion:	228	Resp:	6185
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	22.2	15.8	23.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#86

Perylene-d12

Concen: 20.000 ng

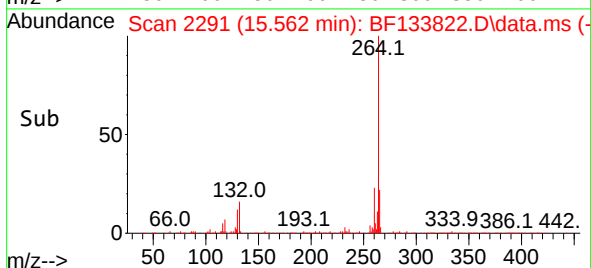
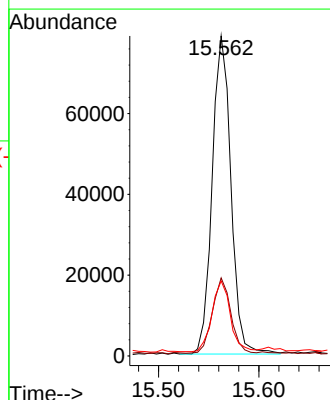
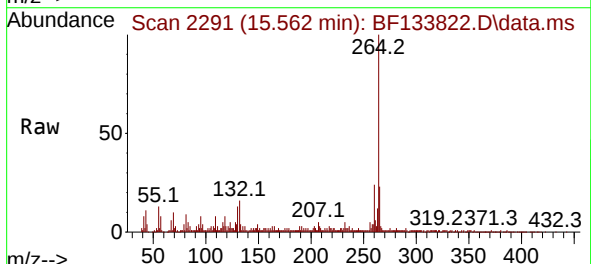
RT: 15.562 min Scan# 2291

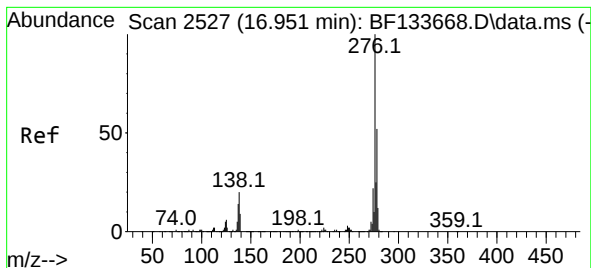
Delta R.T. -0.000 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

Tgt Ion:	264	Resp:	102263
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.2	27.2
265	23.4	17.8	26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.932 ng

RT: 17.109 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05

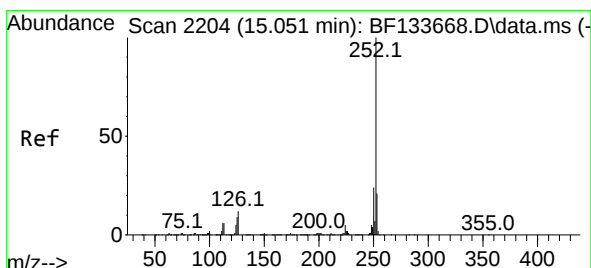
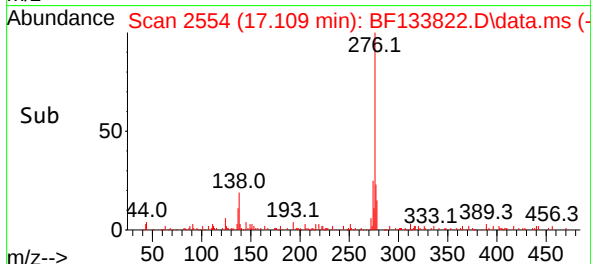
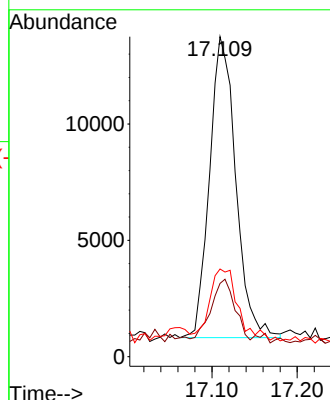
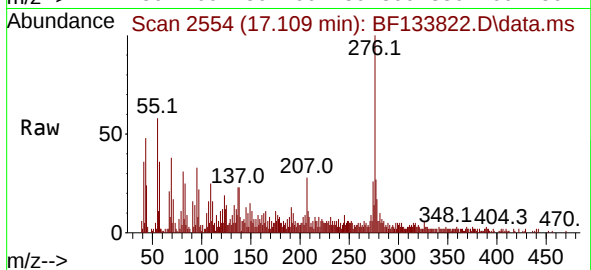
Tgt Ion:	276	Resp:	2766
Ion Ratio	Lower	Upper	
276	100		
138	20.3	17.9	26.9
277	26.2	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#88

Benzo(b)fluoranthene

Concen: 10.992 ng m

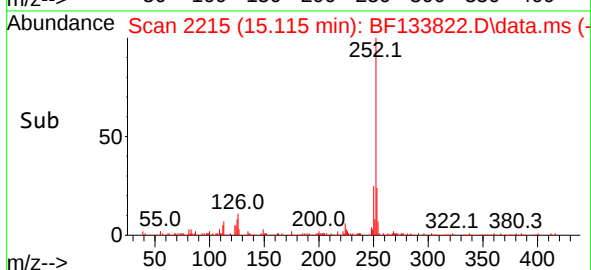
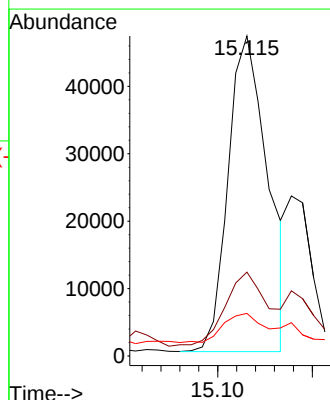
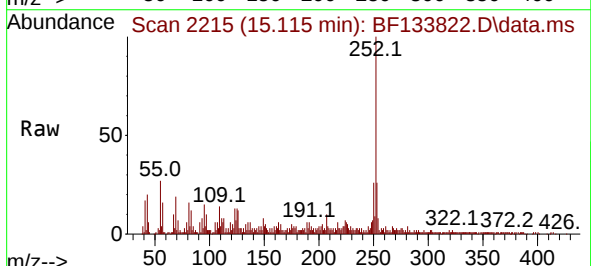
RT: 15.115 min Scan# 2215

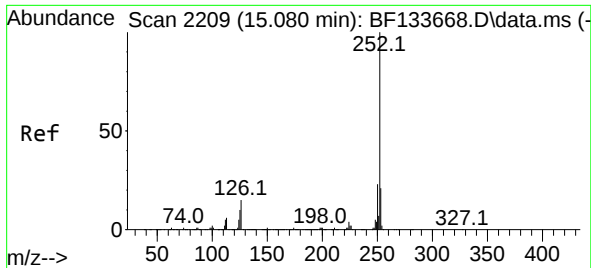
Delta R.T. -0.000 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

Tgt Ion:	252	Resp:	68283
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.0	25.6#
125	13.3	7.3	10.9#





#89

Benzo(k)fluoranthene

Concen: 3.520 ng m

RT: 15.139 min Scan# 2130

Delta R.T. -0.006 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05

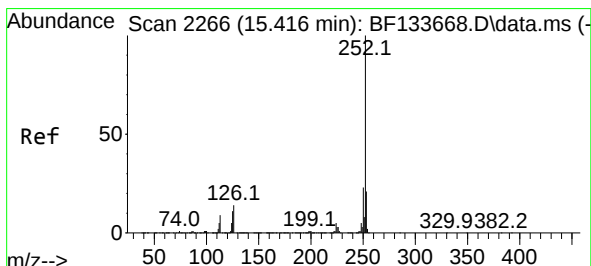
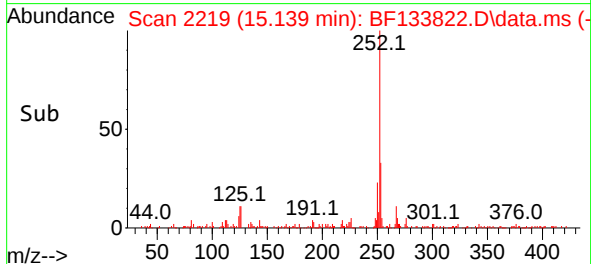
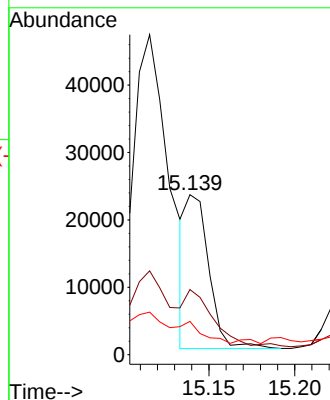
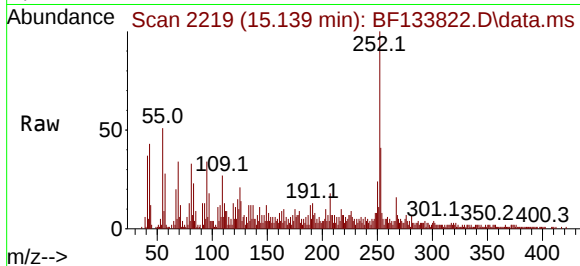
Tgt Ion:	252	Resp:	2130
Ion Ratio	Lower	Upper	
252	100		
253	40.7	17.0	25.4
125	20.9	7.8	11.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#90

Benzo(a)pyrene

Concen: 7.865 ng

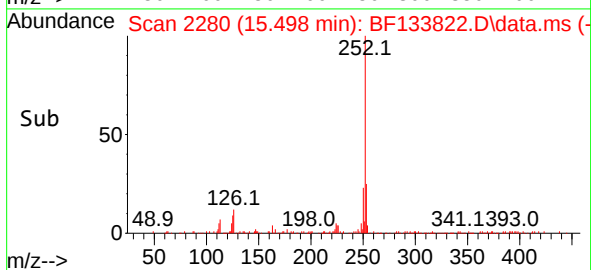
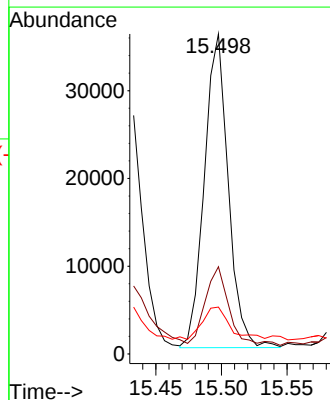
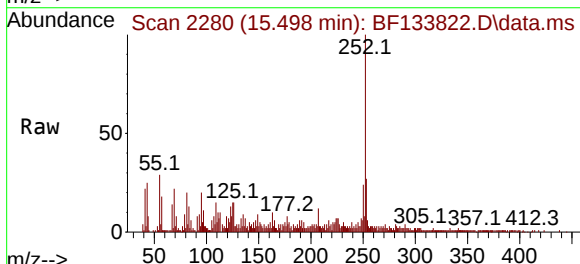
RT: 15.498 min Scan# 2280

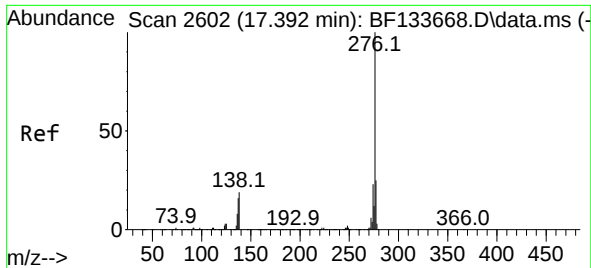
Delta R.T. -0.000 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

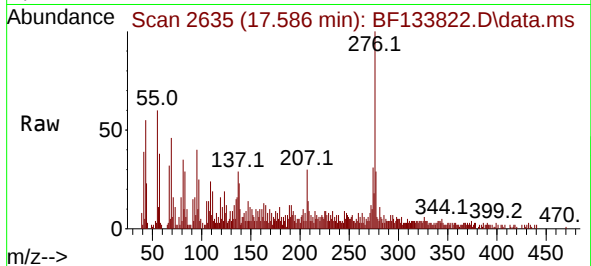
Tgt Ion:	252	Resp:	45346
Ion Ratio	Lower	Upper	
252	100		
253	27.3	17.1	25.7
125	14.7	8.6	13.0





#92
Benzo(g,h,i)perylene
Concen: 4.861 ng
RT: 17.586 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05



Tgt Ion:	276	Resp:	28070
Ion Ratio	Lower	Upper	
276	100		
277	29.4	19.8	29.8
138	23.4	15.0	22.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

