

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
 Data File : BF134049.D
 Acq On : 29 Jun 2023 21:59
 Operator : CG\JU
 Sample : 03362-14 4X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-19-20

Quant Time: Jun 30 05:14:57 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	6.851	152	80427	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	270003	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	120065	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	245518	20.000	ng	0.00
76) Chrysene-d12	14.045	240	137951	20.000	ng	0.00
86) Perylene-d12	15.551	264	118301	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	136037	28.294	ng	0.00
7) Phenol-d6	6.481	99	145876	24.671	ng	-0.01
23) Nitrobenzene-d5	7.404	82	88361	17.641	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	36880	24.499	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	169978	20.583	ng	0.00
79) Terphenyl-d14	12.974	244	194360	22.675	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.745	152	53692	4.460	ng	97
71) Phenanthrene	11.404	178	116402	9.418	ng	98
72) Anthracene	11.457	178	73538	5.720	ng	99
75) Fluoranthene	12.604	202	526369	39.393	ng	99
78) Pyrene	12.833	202	432121	33.659	ng	98
81) Benzo(a)anthracene	14.033	228	225062	23.524	ng	97
83) Chrysene	14.068	228	187227	20.205	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	59039	7.192	ng	96
88) Benzo(b)fluoranthene	15.104	252	190765m	27.424	ng	
89) Benzo(k)fluoranthene	15.133	252	75327m	10.636	ng	
90) Benzo(a)pyrene	15.486	252	110088	16.366	ng	97
91) Dibenzo(a,h)anthracene	17.103	278	15574	2.323	ng	# 89
92) Benzo(g,h,i)perylene	17.568	276	48294	6.985	ng	# 90

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

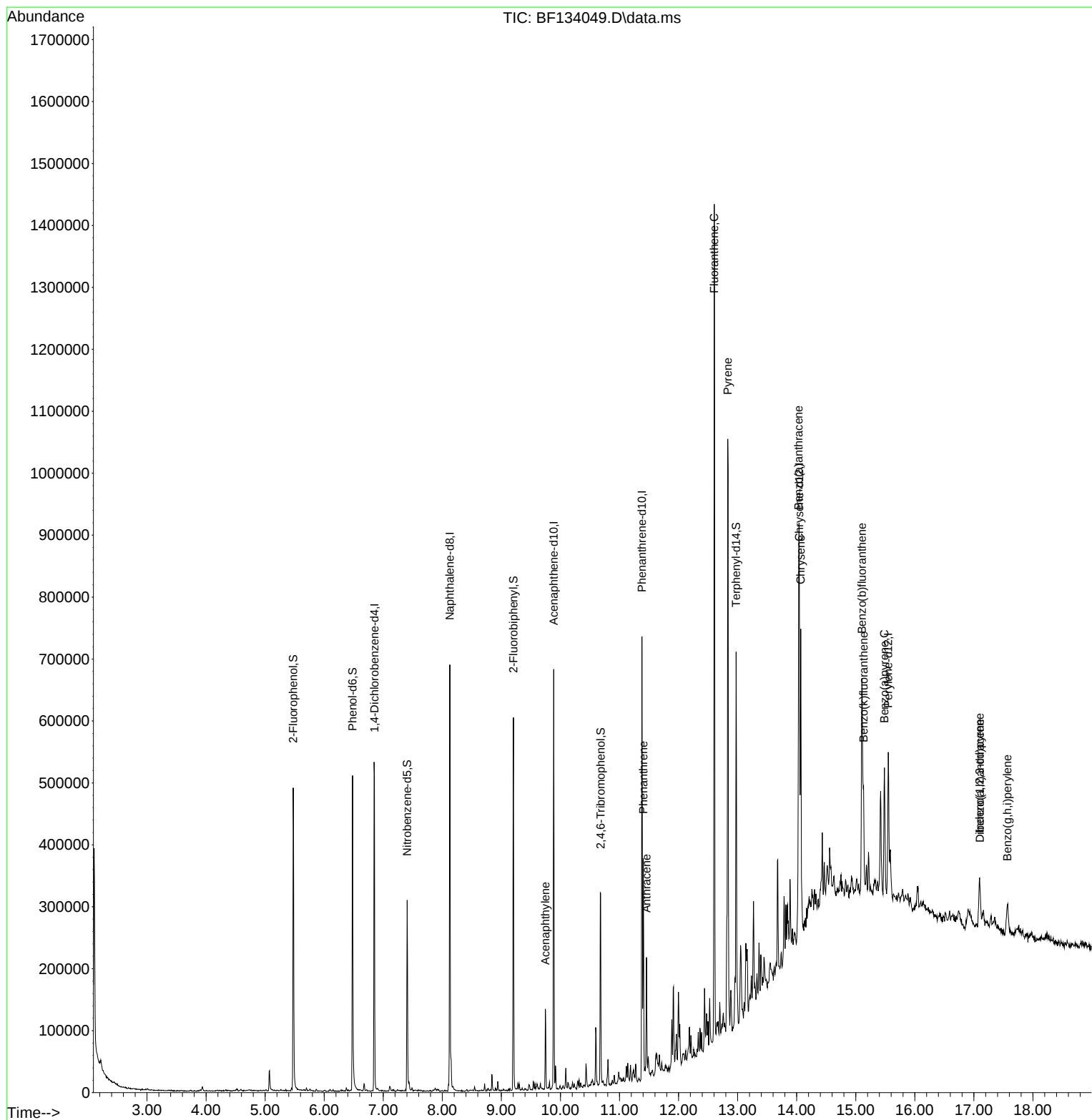
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
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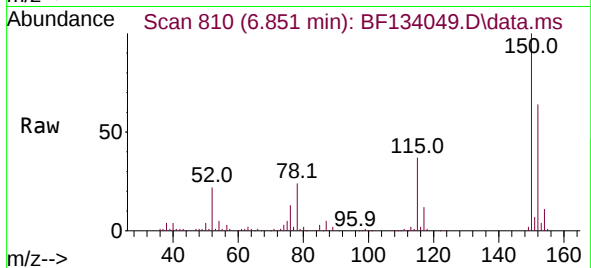
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

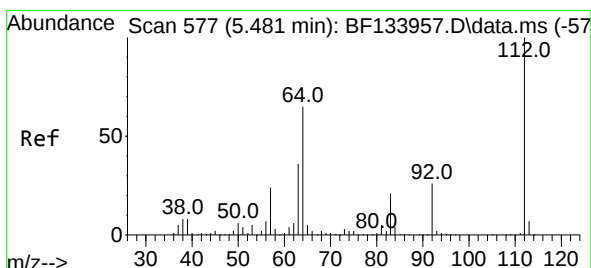
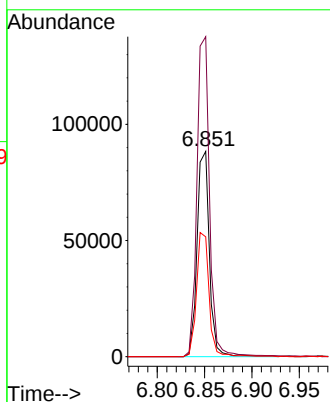
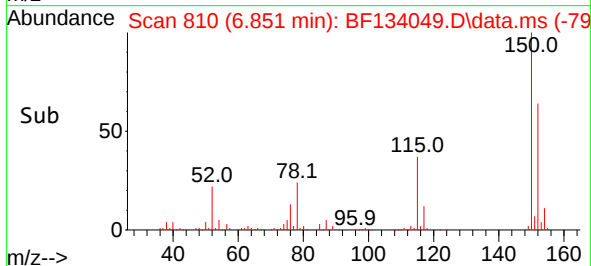
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



Tgt Ion:152 Resp: 8042
Ion Ratio Lower Upper
152 100
150 155.9 124.5 186.7
115 58.3 50.2 75.2

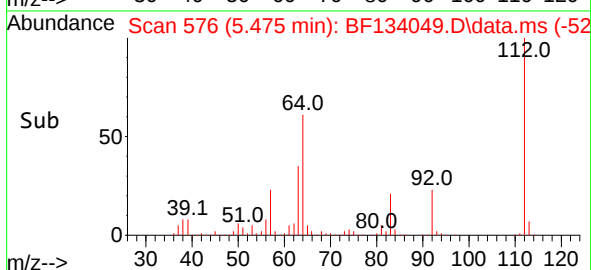
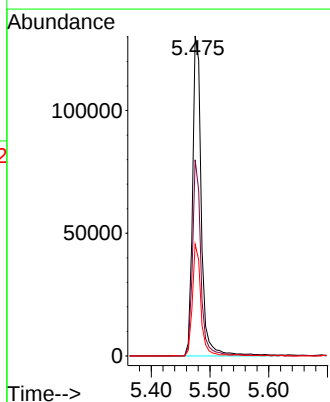
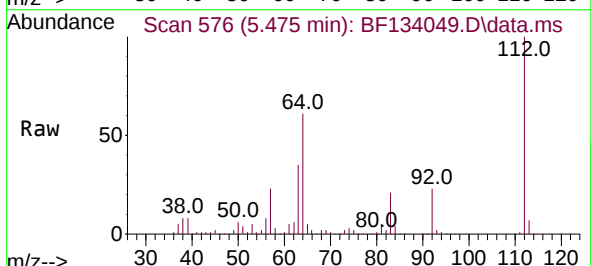
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Supervised By :mohammad ahmed 06/30/2023



#5
2-Fluorophenol
Concen: 28.294 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

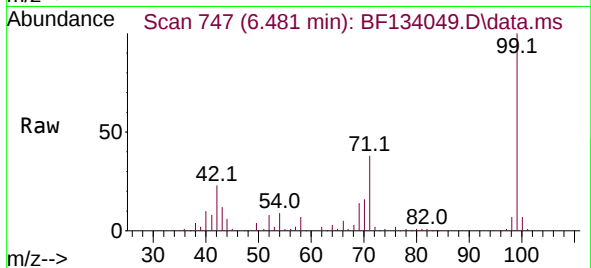
Tgt Ion:112 Resp: 136037
Ion Ratio Lower Upper
112 100
64 61.3 52.1 78.1
63 34.9 28.6 42.8





#7
Phenol-d6
Concen: 24.671 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

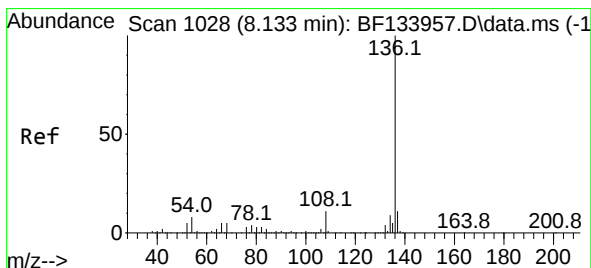
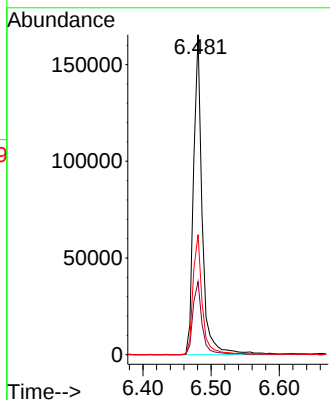
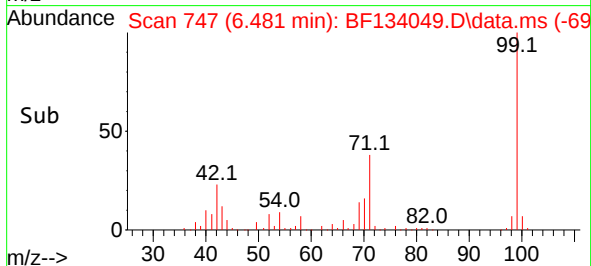
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



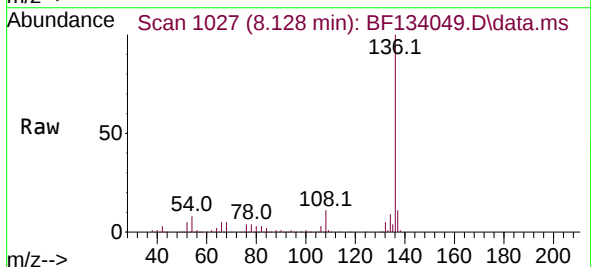
Tgt Ion: 99 Resp: 145870
Ion Ratio Lower Upper
99 100
42 22.8 19.8 29.6
71 37.5 31.9 47.9

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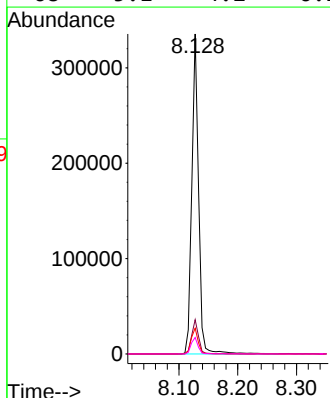
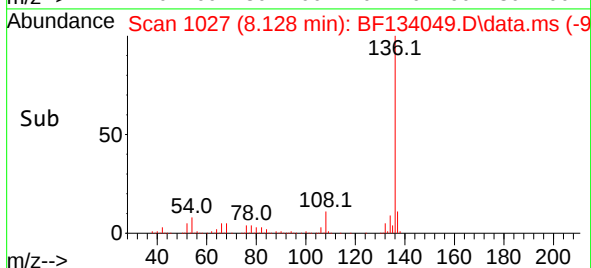
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59



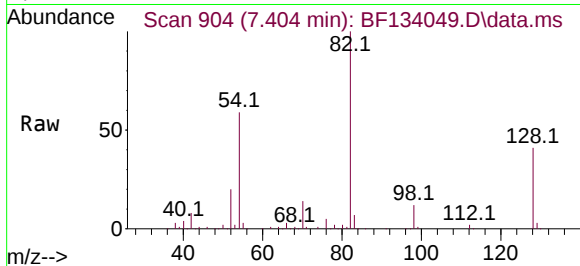
Tgt Ion:136 Resp: 270003
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 8.1 6.5 9.7
68 5.1 4.2 6.2





#23
Nitrobenzene-d5
Concen: 17.641 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

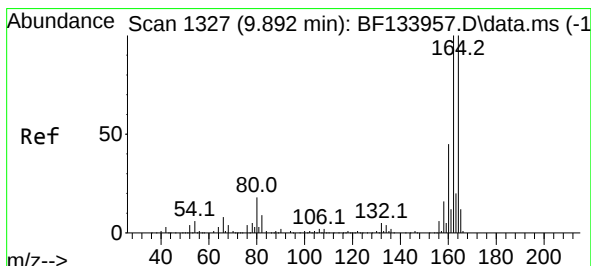
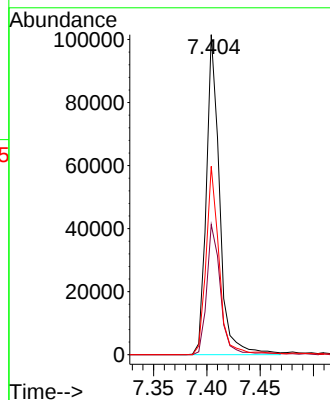
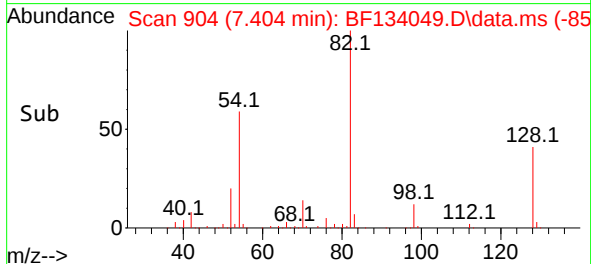
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



Tgt Ion: 82 Resp: 8836
Ion Ratio Lower Upper
82 100
128 40.6 32.5 48.7
54 58.9 48.2 72.2

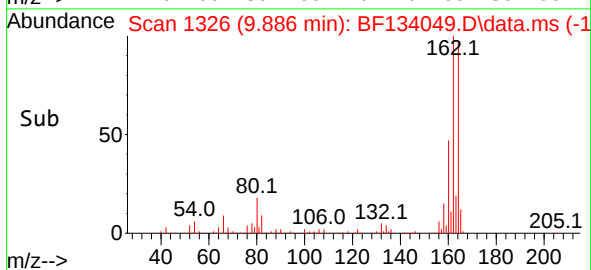
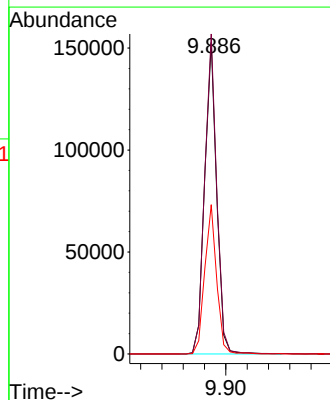
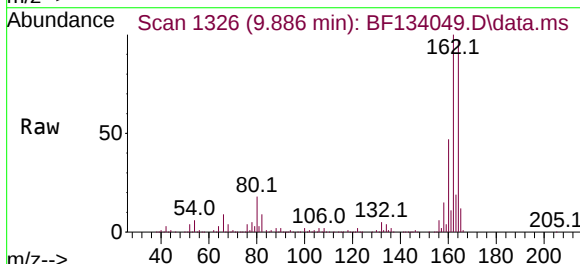
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Supervised By :mohammad ahmed 06/30/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

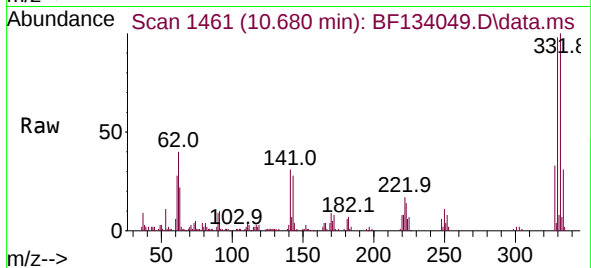
Tgt Ion:164 Resp: 120065
Ion Ratio Lower Upper
164 100
162 102.7 80.0 120.0
160 47.9 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 24.499 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

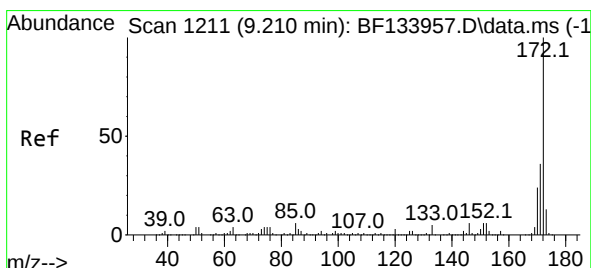
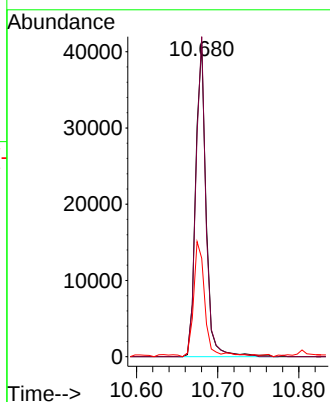
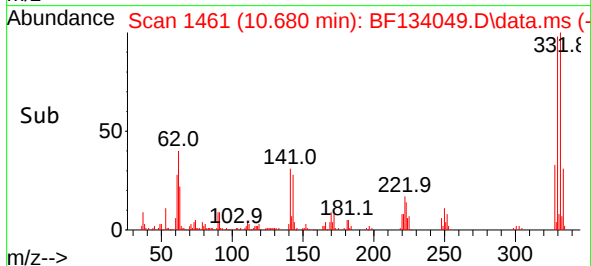
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



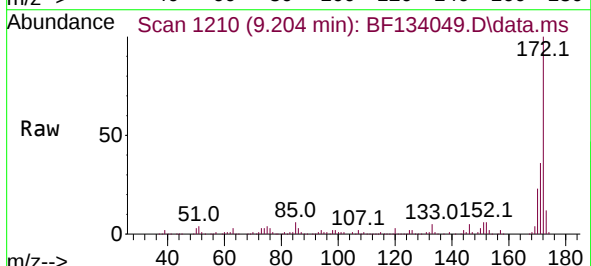
Tgt Ion: 330 Resp: 36880
Ion Ratio Lower Upper
330 100
332 98.3 77.0 115.6
141 40.7 26.3 39.5

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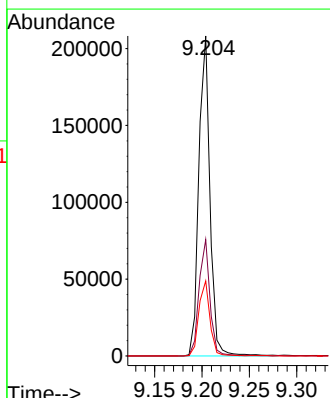
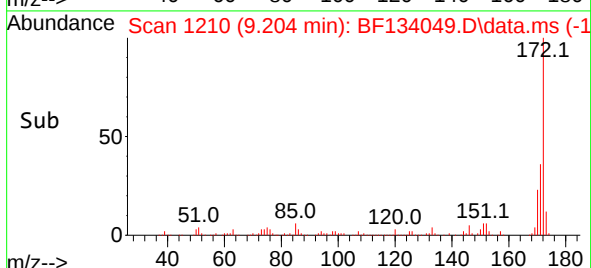
Reviewed By : Yogesh Patel 06/30/2023
Supervised By : mohammad ahmed 06/30/2023

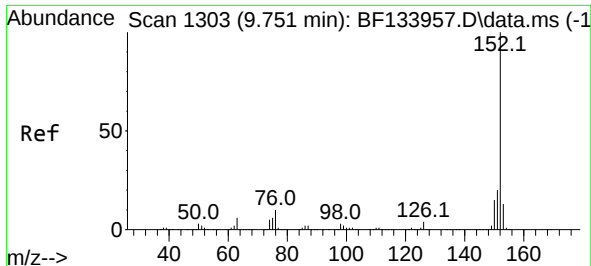


#45
2-Fluorobiphenyl
Concen: 20.583 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59



Tgt Ion: 172 Resp: 169978
Ion Ratio Lower Upper
172 100
171 36.3 28.6 43.0
170 23.5 19.4 29.0





#49

Acenaphthylene

Concen: 4.460 ng

RT: 9.745 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

Instrument :

BNA_F

ClientSampleId :

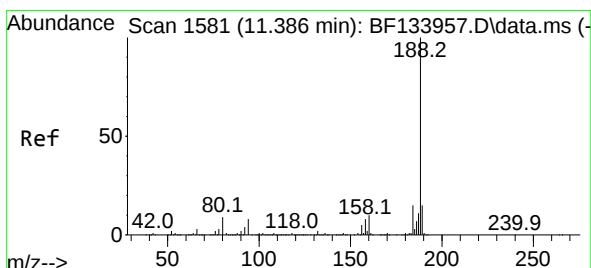
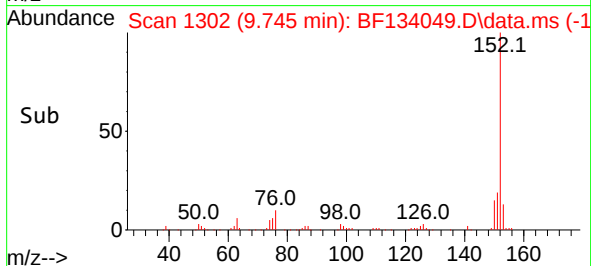
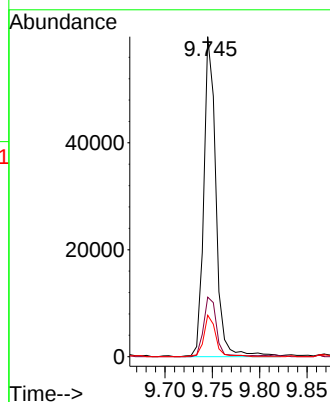
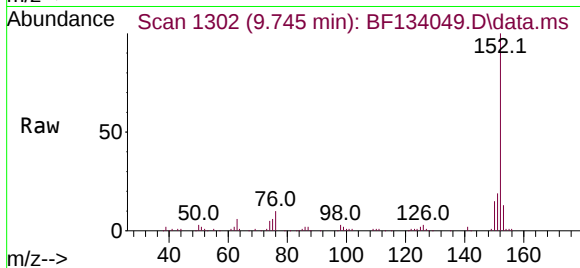
COMPOSIT-SB-19-20

Tgt Ion:	152	Resp:	5369
Ion Ratio	Lower	Upper	
152	100		
151	18.6	16.2	24.2
153	13.0	10.8	16.2

Manual Integrations

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



#64

Phenanthrene-d10

Concen: 20.000 ng

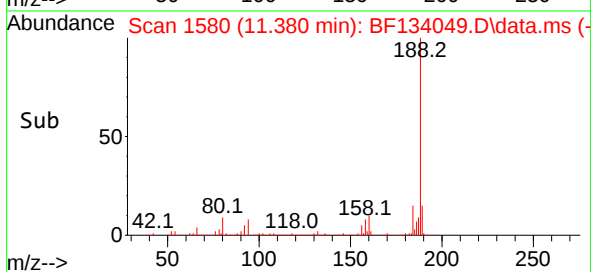
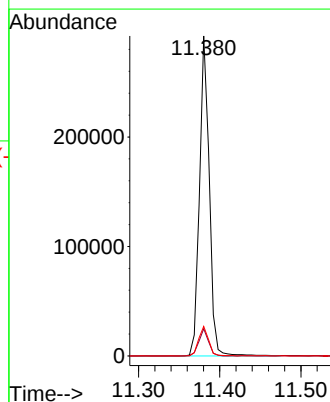
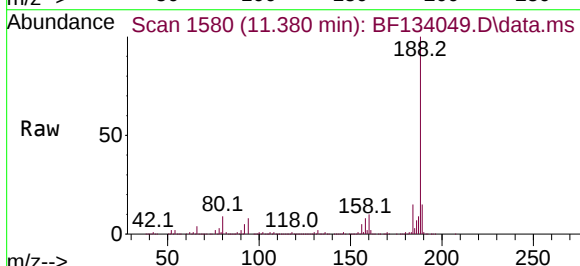
RT: 11.380 min Scan# 1580

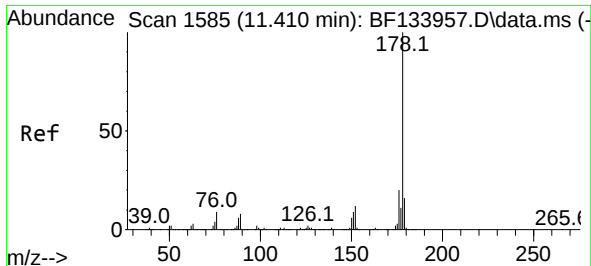
Delta R.T. -0.006 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

Tgt Ion:	188	Resp:	245518
Ion Ratio	Lower	Upper	
188	100		
94	8.5	6.4	9.6
80	9.3	7.3	10.9





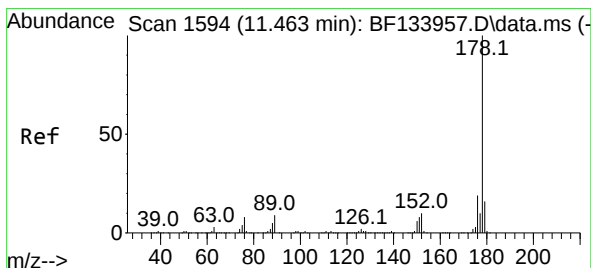
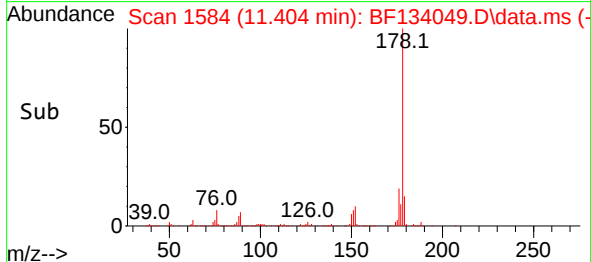
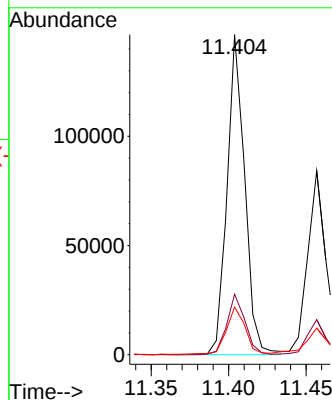
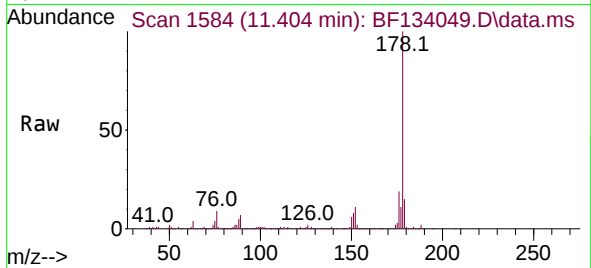
#71
Phenanthrene
Concen: 9.418 ng
RT: 11.404 min Scan# 11640
Delta R.T. -0.006 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

Tgt Ion:178 Resp: 11640
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 14.9 12.4 18.6

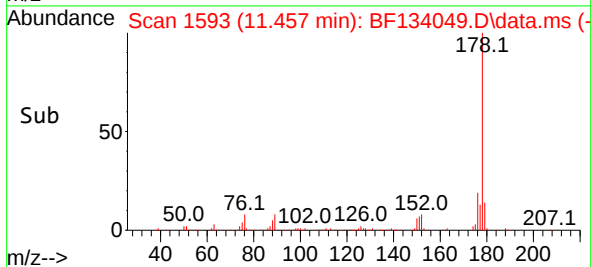
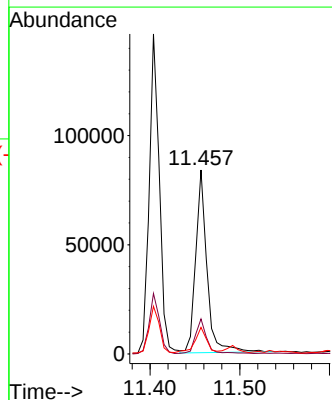
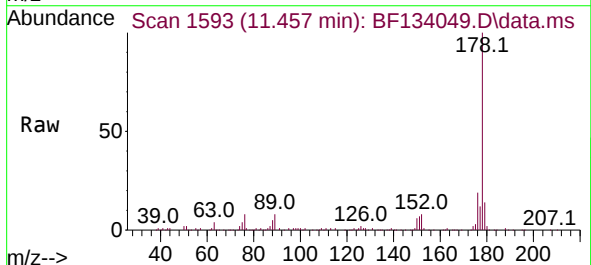
Manual Integrations
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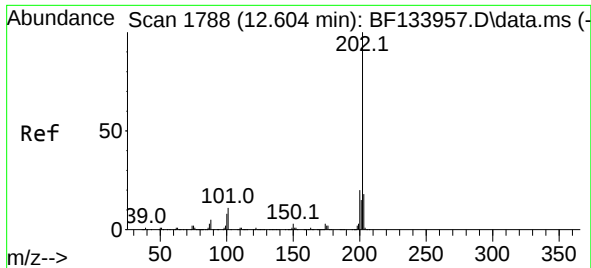
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#72
Anthracene
Concen: 5.720 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

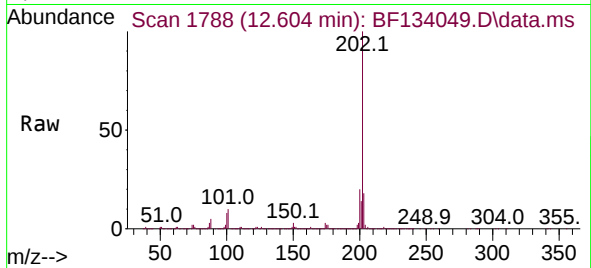
Tgt Ion:178 Resp: 73538
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 14.4 12.4 18.6





#75
Fluoranthene
Concen: 39.393 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

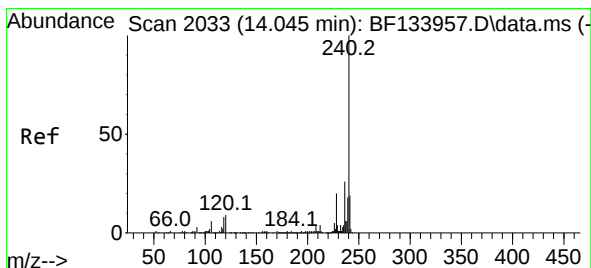
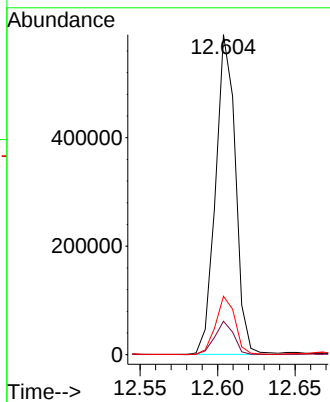
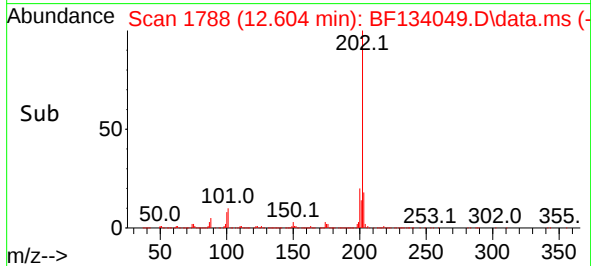
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



Tgt Ion:202 Resp: 526369
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.0
203 18.3 0.0 37.6

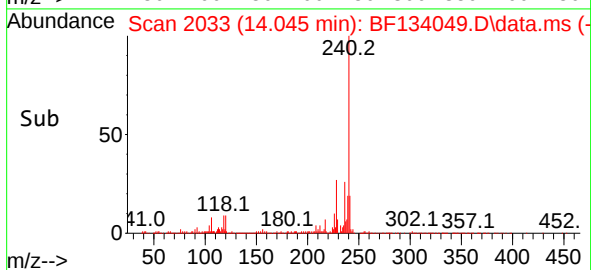
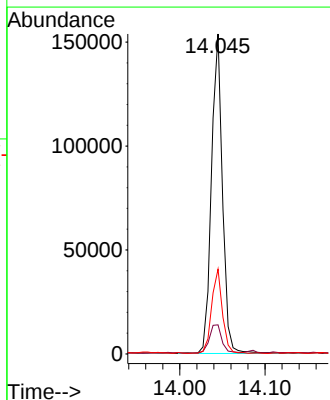
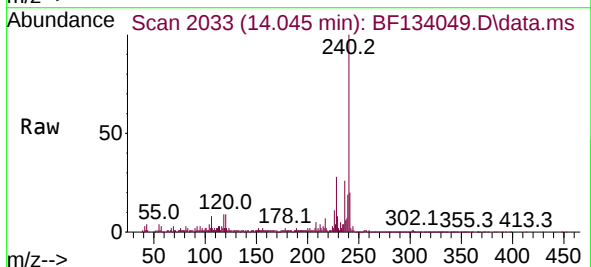
Manual Integrations
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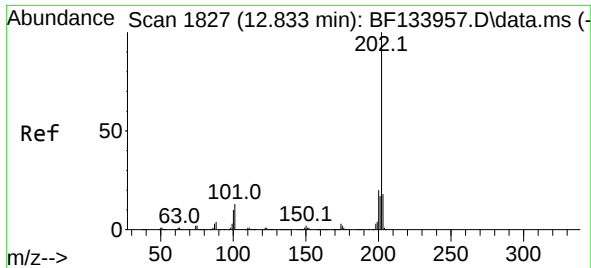
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

Tgt Ion:240 Resp: 137951
Ion Ratio Lower Upper
240 100
120 9.1 7.4 11.0
236 26.5 21.0 31.6





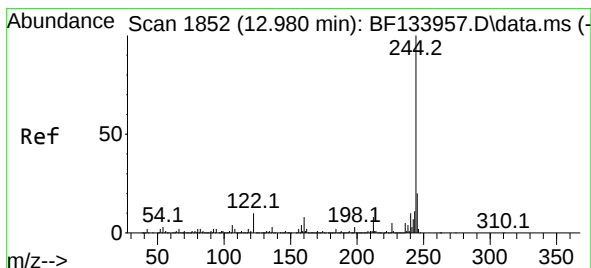
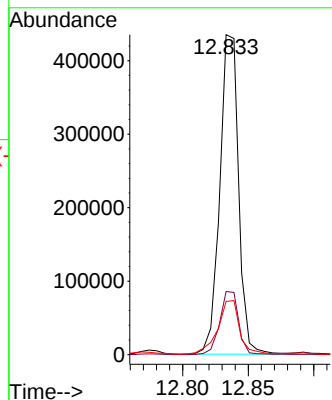
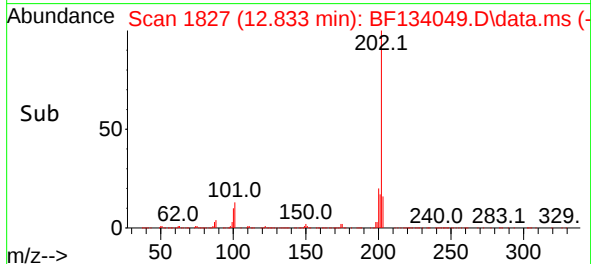
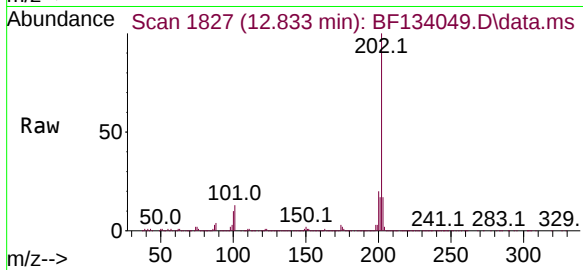
#78
Pyrene
Concen: 33.659 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

Tgt Ion:202 Resp: 43212
Ion Ratio Lower Upper
202 100
200 19.7 16.1 24.1
203 16.7 14.3 21.5

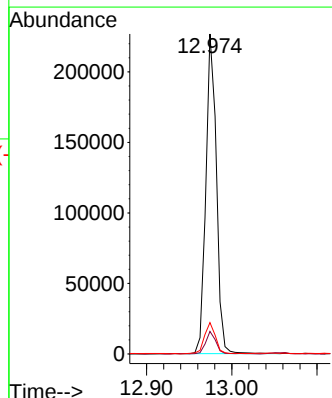
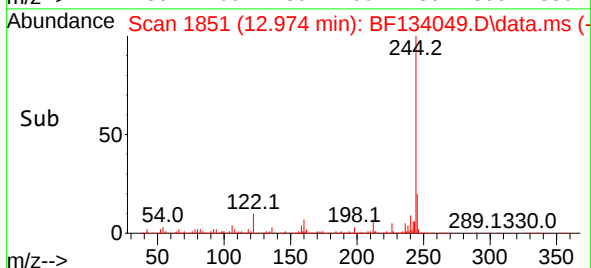
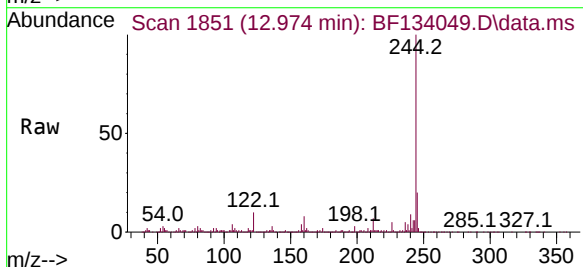
Manual Integrations
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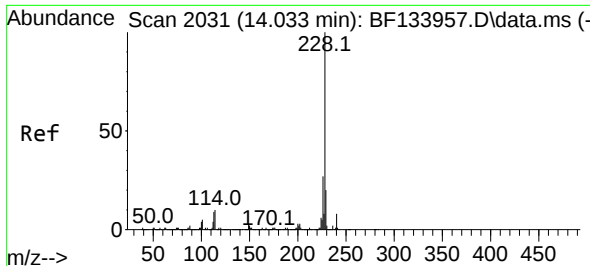
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#79
Terphenyl-d14
Concen: 22.675 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

Tgt Ion:244 Resp: 194360
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 9.8 8.3 12.5





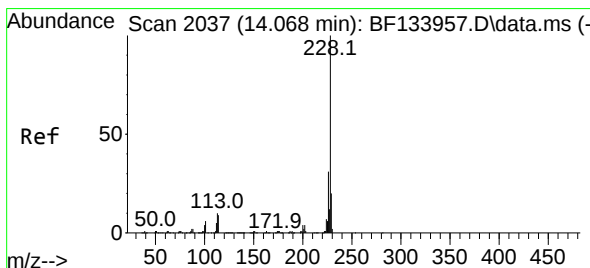
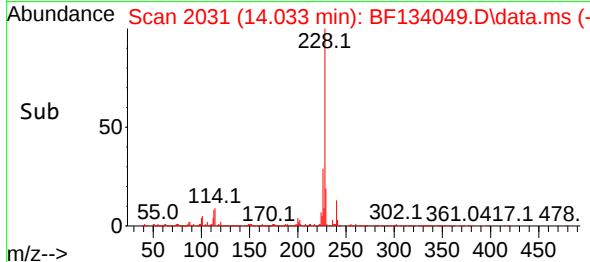
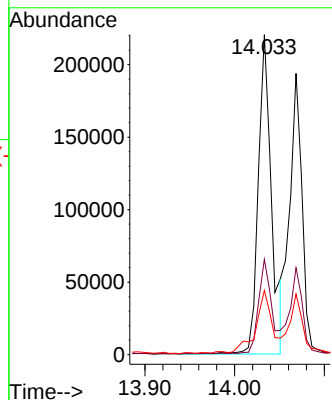
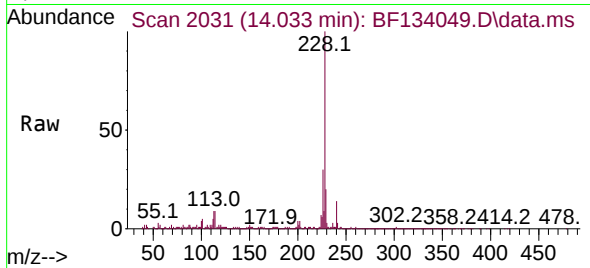
#81
Benzo(a)anthracene
Concen: 23.524 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

Tgt Ion:228 Resp: 225062
Ion Ratio Lower Upper
228 100
226 29.8 22.0 33.0
229 20.1 16.3 24.5

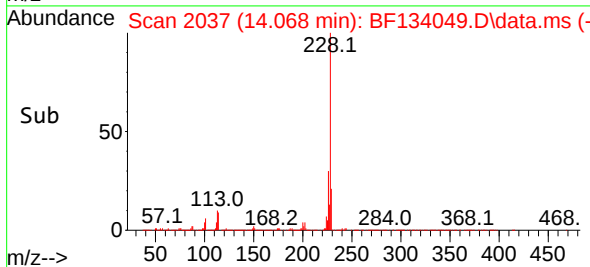
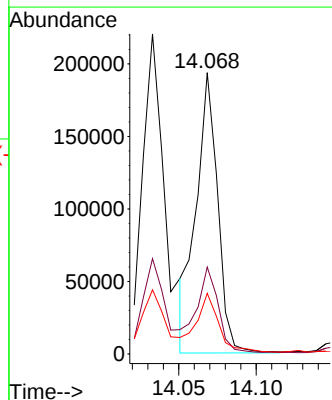
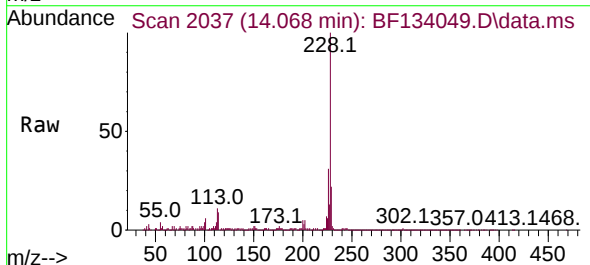
Manual Integrations
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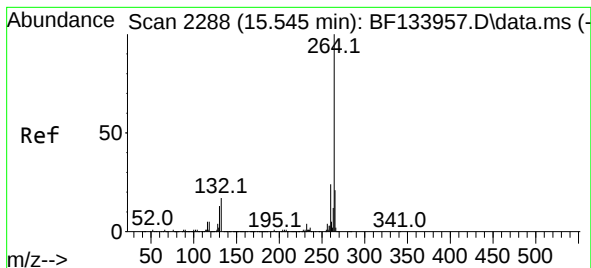
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#83
Chrysene
Concen: 20.205 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

Tgt Ion:228 Resp: 187227
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 21.5 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: BF134049.D

Acq: 29 Jun 2023 21:59

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

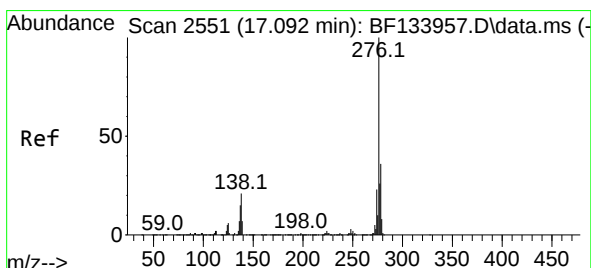
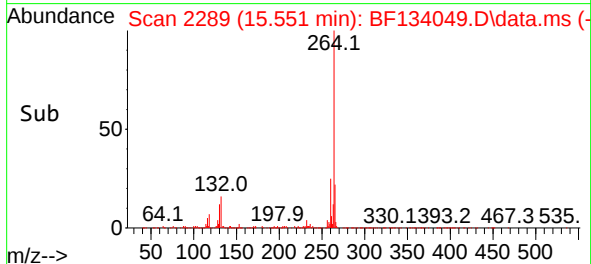
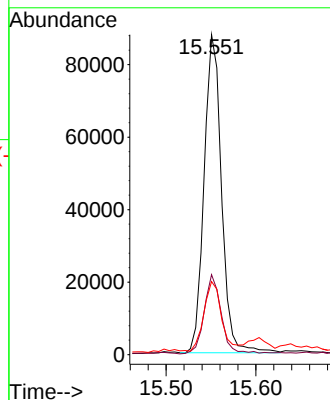
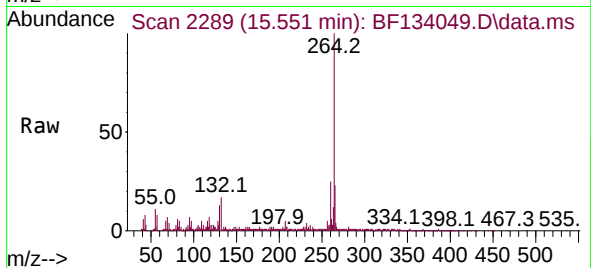
Tgt Ion:264 Resp: 11830
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.5 29.3
 265 22.8 16.6 25.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.192 ng

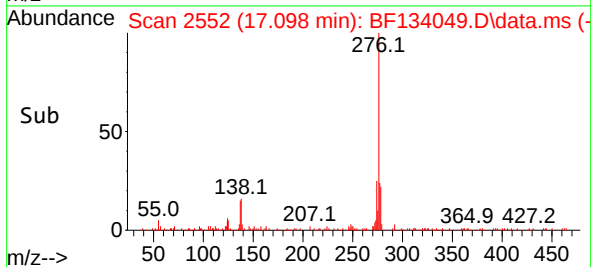
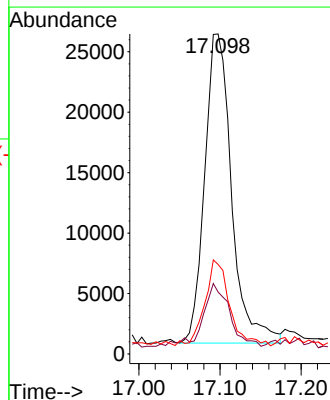
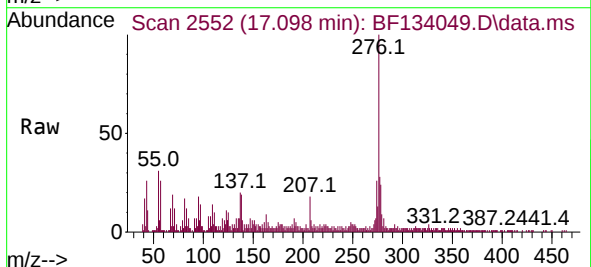
RT: 17.098 min Scan# 2552

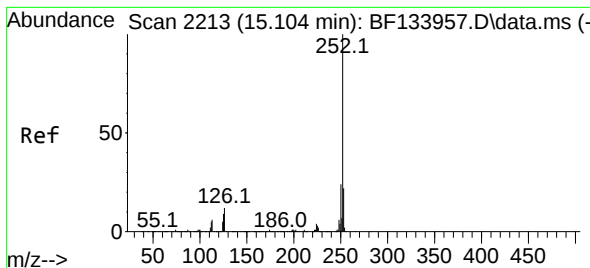
Delta R.T. 0.006 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

Tgt Ion:276 Resp: 59039
 Ion Ratio Lower Upper
 276 100
 138 20.2 18.7 28.1
 277 25.5 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 27.424 ng m

RT: 15.104 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF134049.D

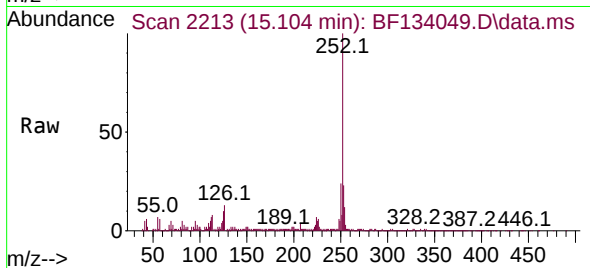
Acq: 29 Jun 2023 21:59

Instrument :

BNF

ClientSampleId :

COMPOSIT-SB-19-20



Tgt Ion:252 Resp: 19076

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

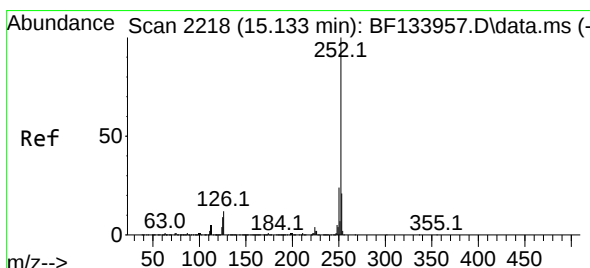
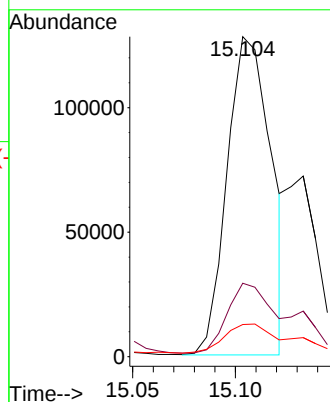
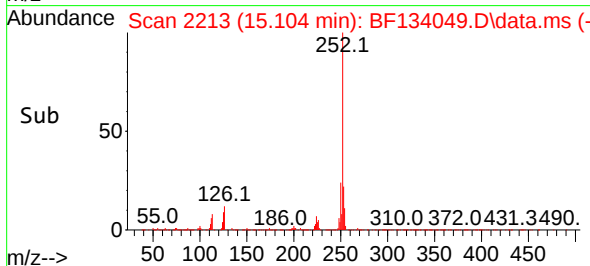
125 10.1 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#89

Benzo(k)fluoranthene

Concen: 10.636 ng m

RT: 15.133 min Scan# 2218

Delta R.T. 0.000 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

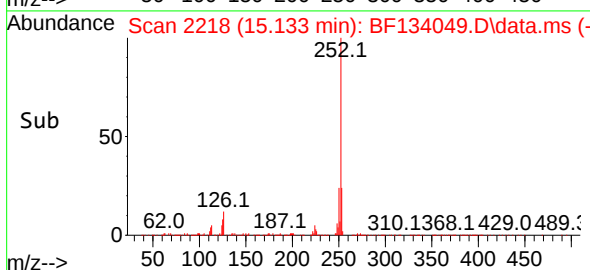
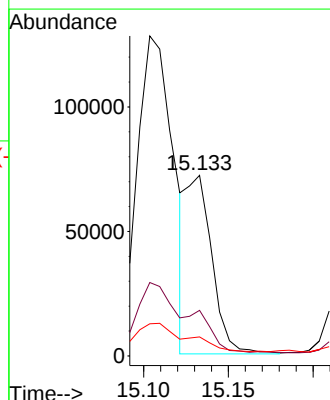
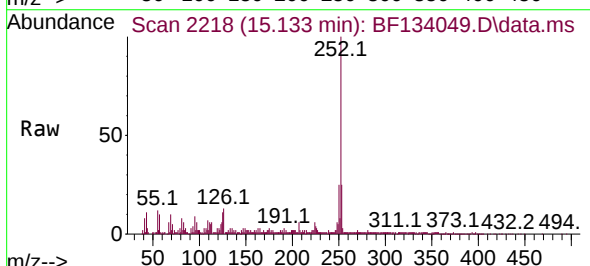
Tgt Ion:252 Resp: 75327

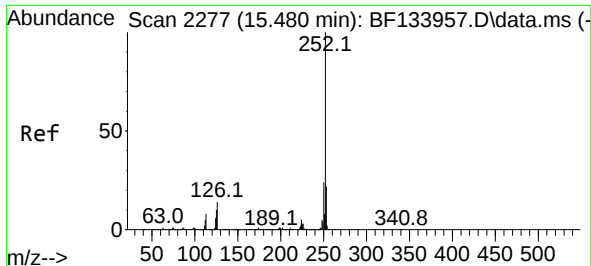
Ion Ratio Lower Upper

252 100

253 25.3 16.9 25.3

125 10.6 7.4 11.2





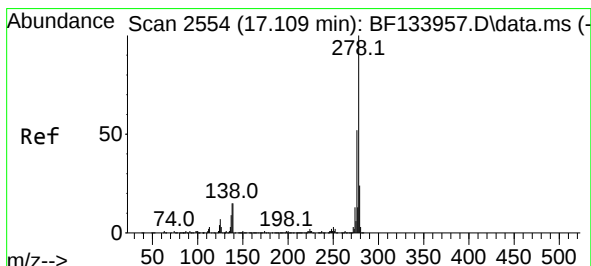
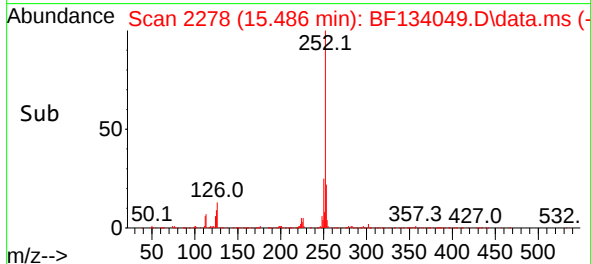
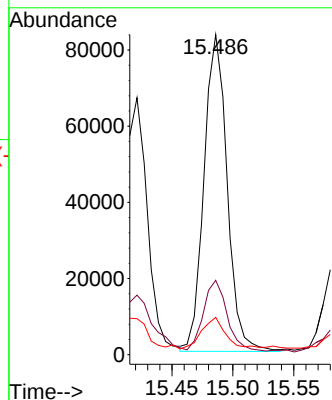
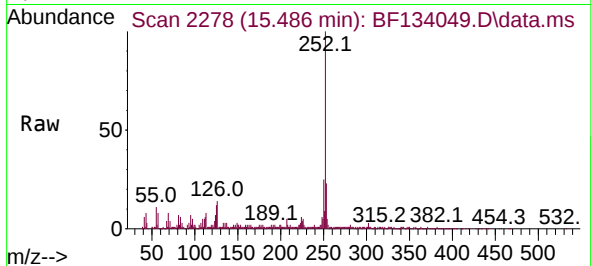
#90
Benzo(a)pyrene
Concen: 16.366 ng
RT: 15.486 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

Tgt Ion:252 Resp: 11008
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 11.6 8.4 12.6

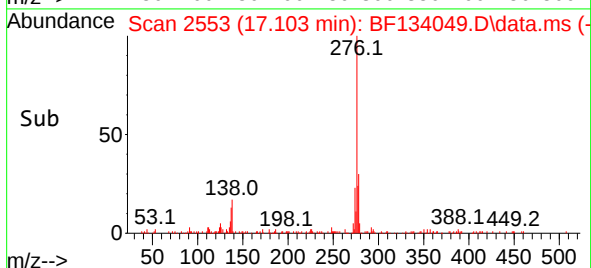
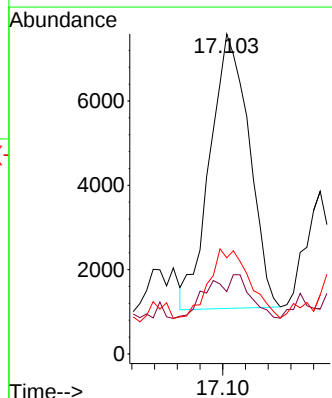
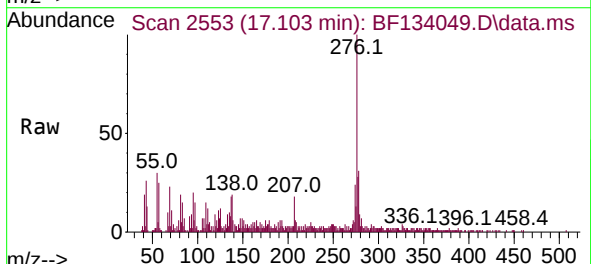
Manual Integrations
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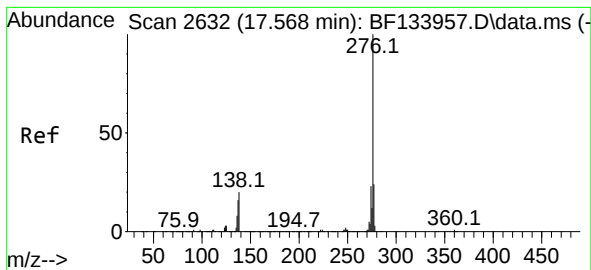
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#91
Dibenzo(a,h)anthracene
Concen: 2.323 ng
RT: 17.103 min Scan# 2553
Delta R.T. -0.006 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

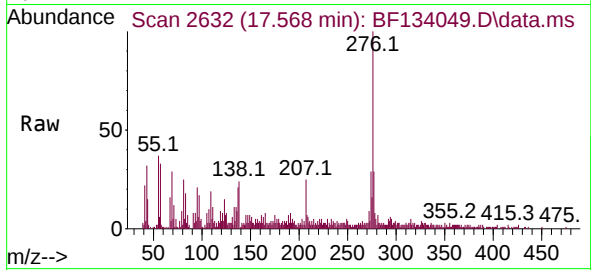
Tgt Ion:278 Resp: 15574
Ion Ratio Lower Upper
278 100
139 19.4 12.2 18.4#
279 30.1 19.4 29.2#





#92
Benzo(g,h,i)perylene
Concen: 6.985 ng
RT: 17.568 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



Tgt Ion:276 Resp: 48294
Ion Ratio Lower Upper
276 100
277 28.8 19.0 28.6
138 24.3 16.2 24.2

Manual Integrations
APPROVED

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

