

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062323\
 Data File : BF133940.D
 Acq On : 23 Jun 2023 13:34
 Operator : CG\JU
 Sample : 03331-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-SB9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023

Quant Time: Jun 23 14:15:10 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 23 02:21:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	101081	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	372054	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	162635	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	274028	20.000	ng	0.00
76) Chrysene-d12	14.057	240	170504	20.000	ng	0.00
86) Perylene-d12	15.568	264	145831	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	554378	95.480	ng	0.00
7) Phenol-d6	6.498	99	662618	87.674	ng	0.00
23) Nitrobenzene-d5	7.422	82	440459	64.481	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	161246	78.325	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	803120	70.197	ng	0.00
79) Terphenyl-d14	12.992	244	701464	63.659	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	309548	22.265	ng	99
72) Anthracene	11.469	178	78118	5.389	ng	98
73) Carbazole	11.628	167	33937	2.514	ng	98
75) Fluoranthene	12.616	202	685691	46.444	ng	98
78) Pyrene	12.845	202	660750	41.601	ng	99
81) Benzo(a)anthracene	14.045	228	378171	32.065	ng	95
83) Chrysene	14.080	228	312635	28.027	ng	96
87) Indeno(1,2,3-cd)pyrene	17.115	276	132611	13.218	ng	96
88) Benzo(b)fluoranthene	15.121	252	363880m	41.076	ng	
89) Benzo(k)fluoranthene	15.145	252	102094m	11.831	ng	
90) Benzo(a)pyrene	15.498	252	232285	28.253	ng	97
91) Dibenzo(a,h)anthracene	17.127	278	34198	4.117	ng	# 91
92) Benzo(g,h,i)perylene	17.592	276	123992	15.056	ng	97

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

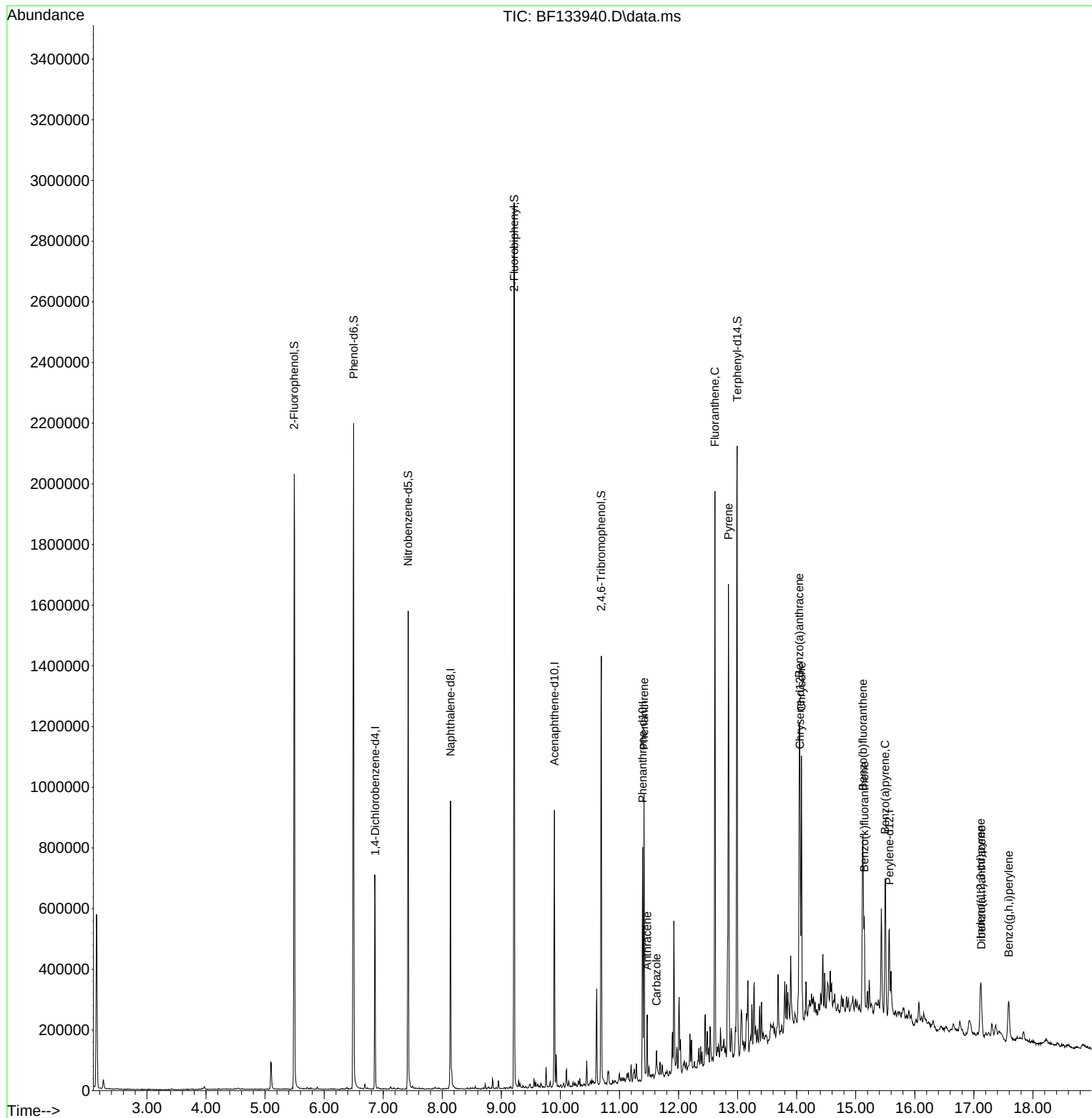
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062323\
Data File : BF133940.D
Acq On : 23 Jun 2023 13:34
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Sample : 03331-14
Misc :
ALS Vial : 11 Sample Multiplier: 1

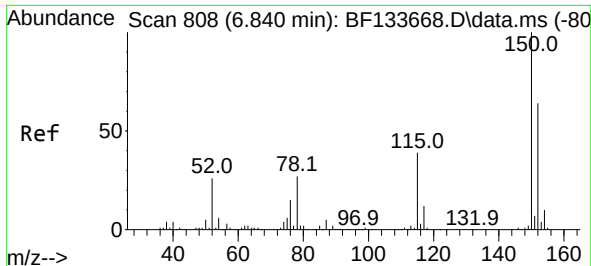
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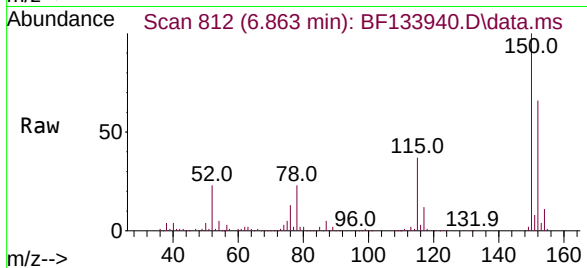
Quant Time: Jun 23 14:15:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 02:21:26 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34

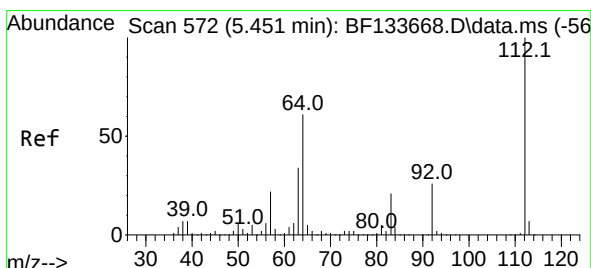
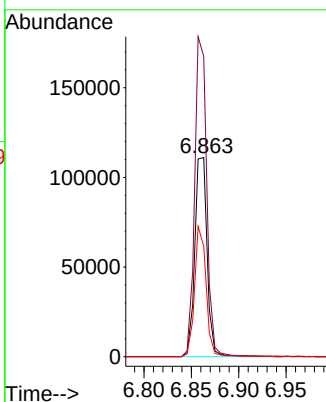
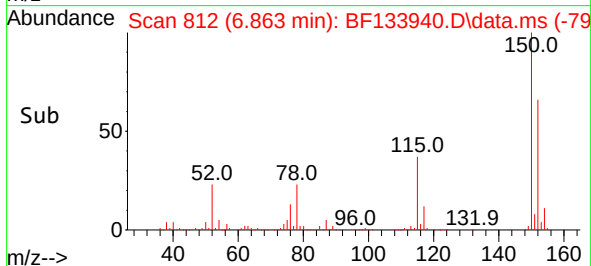
Instrument :
BNA_F
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COMPOSITE-SB9



Tgt Ion:152 Resp: 10108
Ion Ratio Lower Upper
152 100
150 150.9 124.3 186.5
115 55.6 48.5 72.7

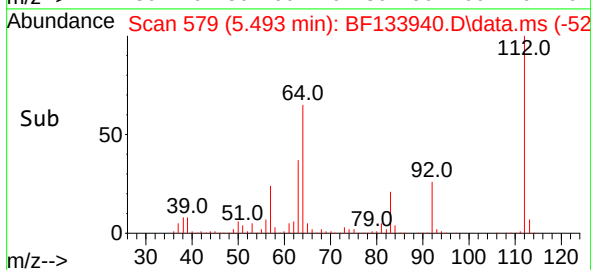
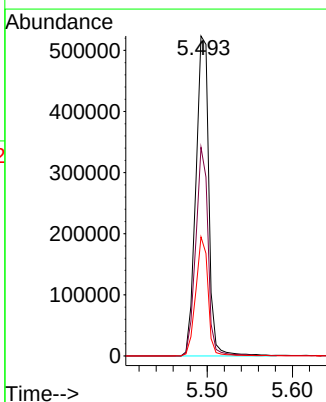
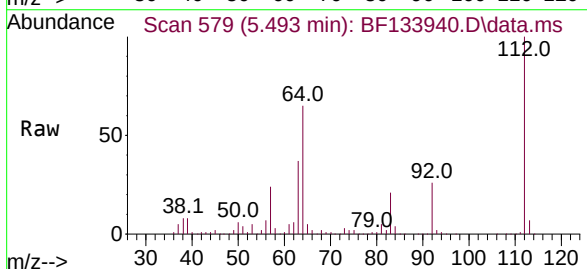
Manual Integrations
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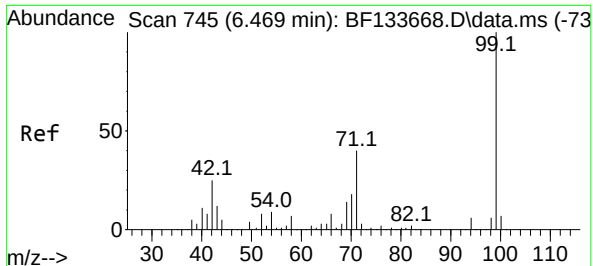
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#5
2-Fluorophenol
Concen: 95.480 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34

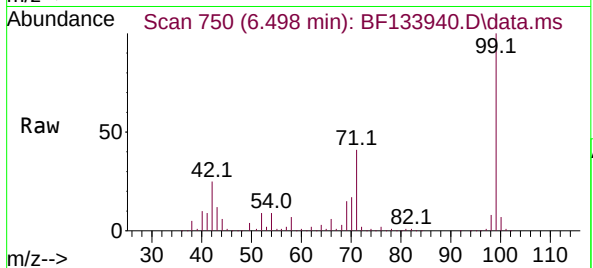
Tgt Ion:112 Resp: 554378
Ion Ratio Lower Upper
112 100
64 65.2 49.0 73.4
63 37.2 26.8 40.2





#7
Phenol-d6
Concen: 87.674 ng
RT: 6.498 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34

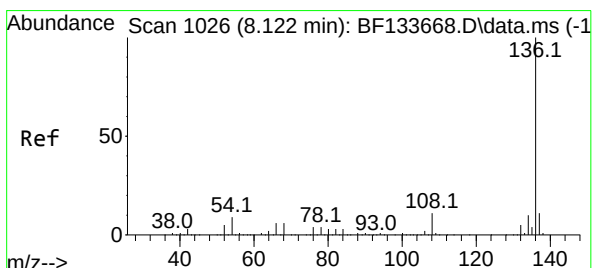
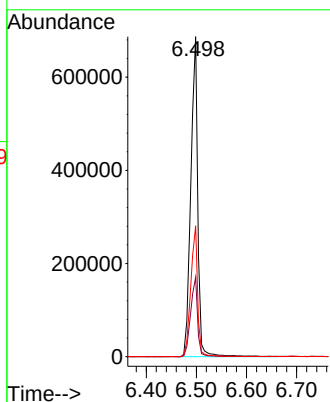
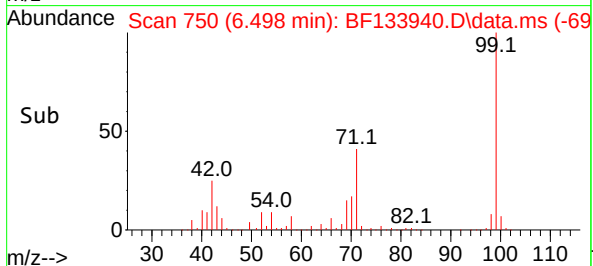
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB9



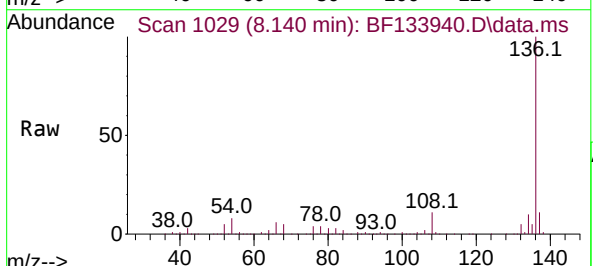
Tgt Ion: 99 Resp: 662618
Ion Ratio Lower Upper
99 100
42 24.8 19.9 29.9
71 40.9 32.2 48.4

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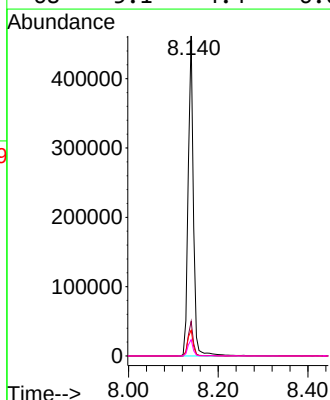
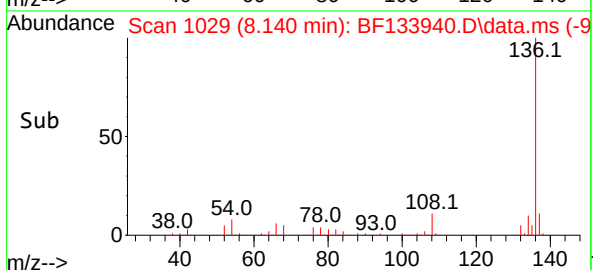
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

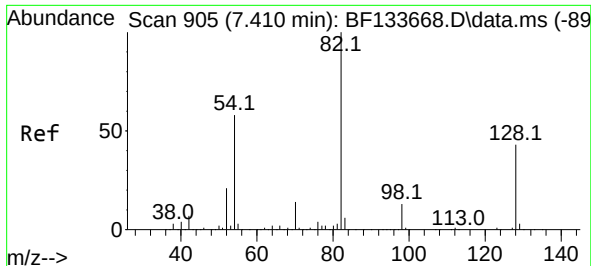


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34



Tgt Ion:136 Resp: 372054
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.0 7.4 11.0
68 5.1 4.4 6.6





#23

Nitrobenzene-d5

Concen: 64.481 ng

RT: 7.422 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133940.D

Acq: 23 Jun 2023 13:34

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB9

Tgt Ion: 82 Resp: 440459

Ion Ratio Lower Upper

82 100

128 42.6 34.2 51.2

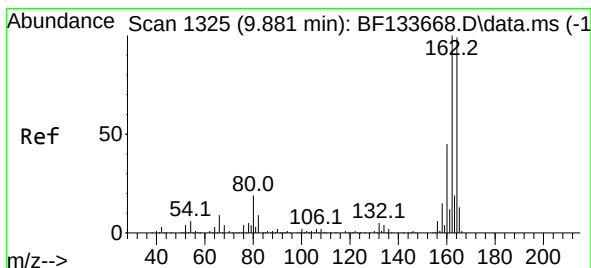
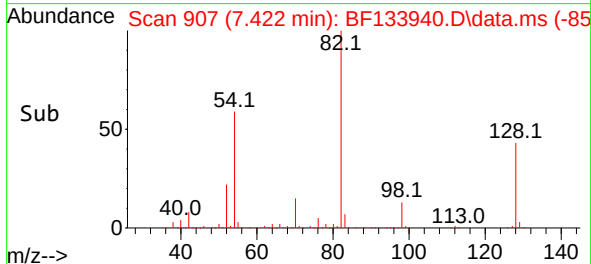
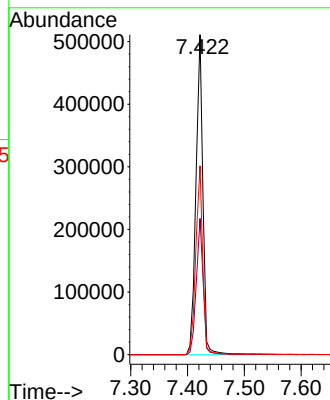
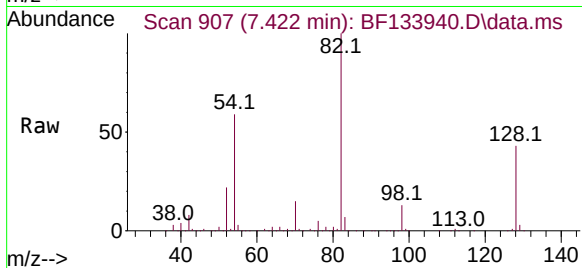
54 59.0 46.5 69.7

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF133940.D

Acq: 23 Jun 2023 13:34

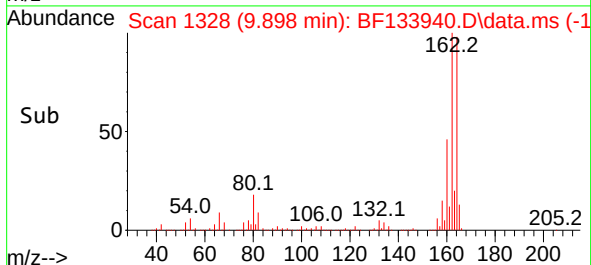
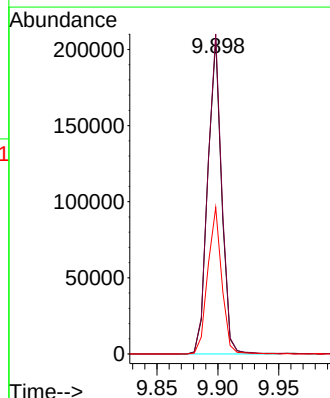
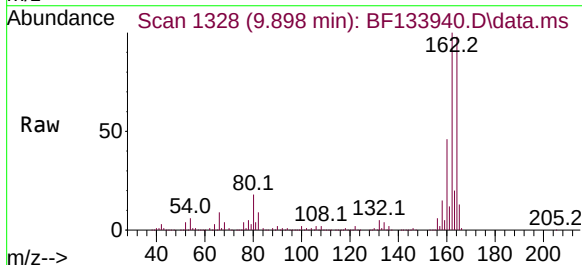
Tgt Ion:164 Resp: 162635

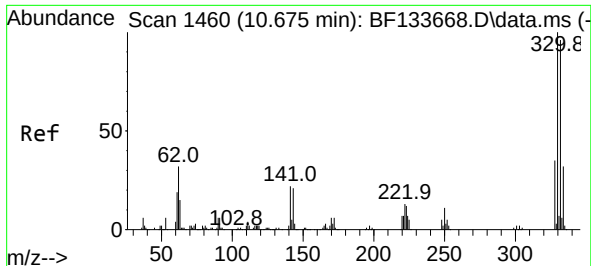
Ion Ratio Lower Upper

164 100

162 101.7 80.8 121.2

160 46.6 36.7 55.1





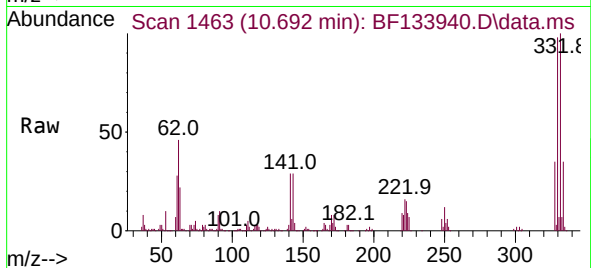
#42
2,4,6-Tribromophenol
Concen: 78.325 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34

Instrument :

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ClientSampleId :

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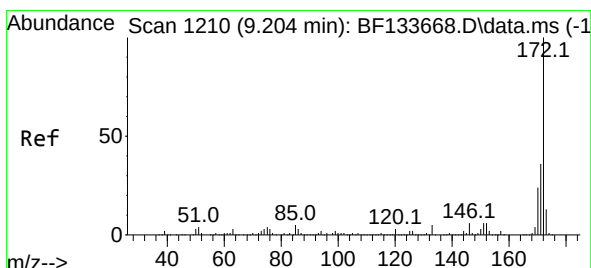
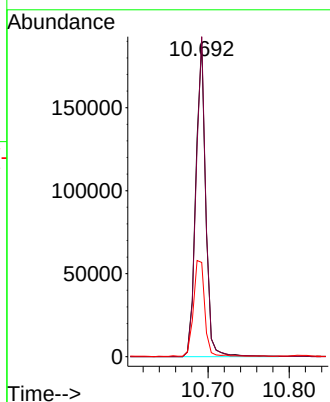
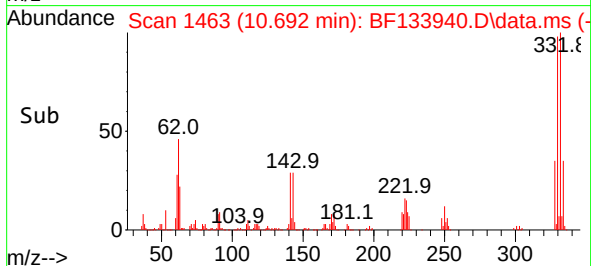


Tgt Ion:330 Resp: 161240
Ion Ratio Lower Upper
330 100
332 99.9 77.2 115.8
141 35.7 24.9 37.3

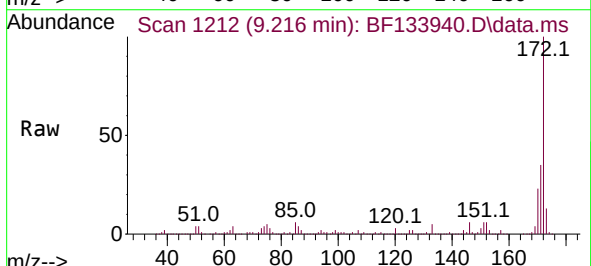
Manual Integrations

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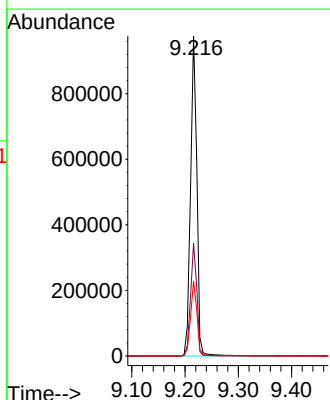
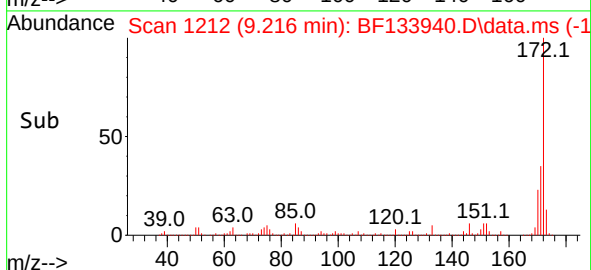
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

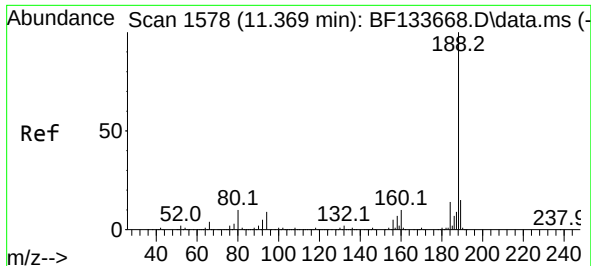


#45
2-Fluorobiphenyl
Concen: 70.197 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34



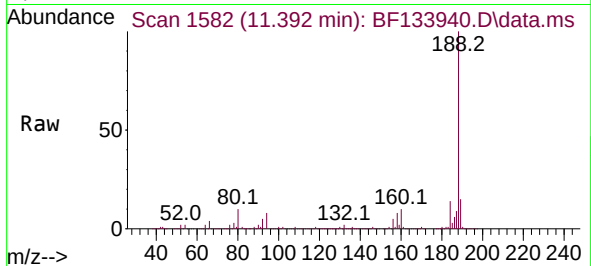
Tgt Ion:172 Resp: 803120
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.4 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34

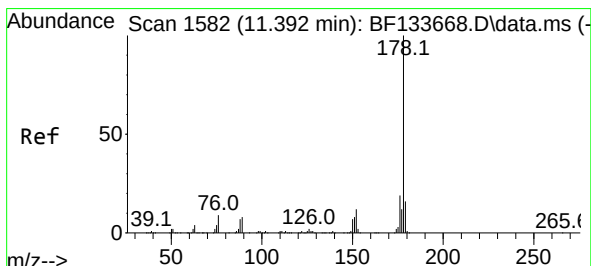
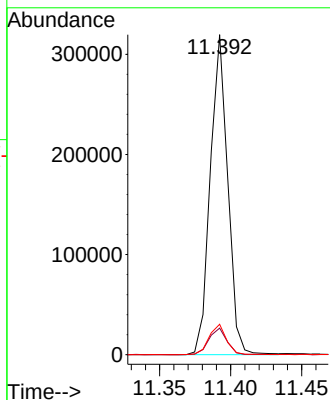
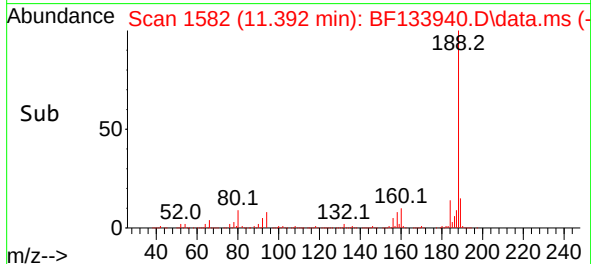
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB9



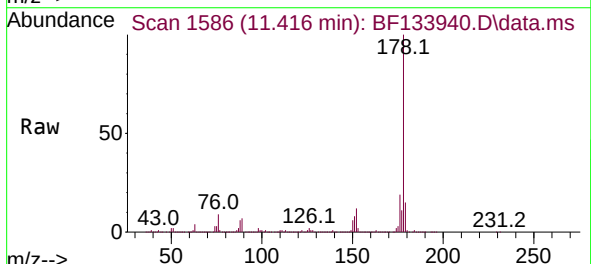
Tgt Ion:188 Resp: 274028
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 9.5 7.8 11.6

Manual Integrations
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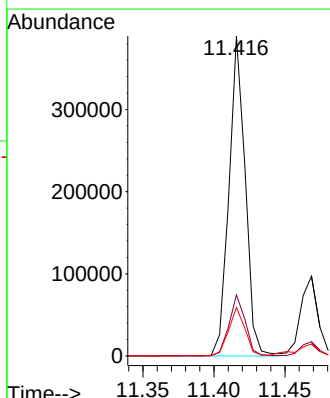
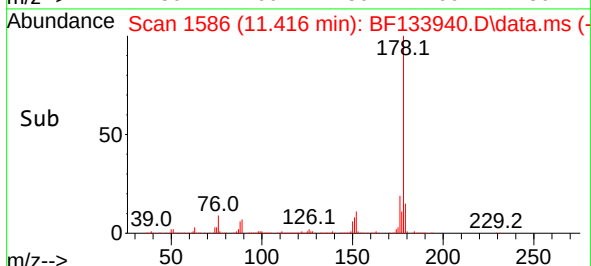
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

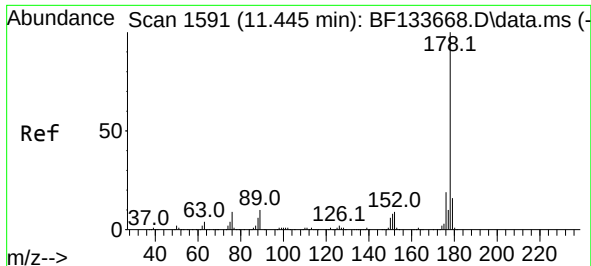


#71
Phenanthrene
Concen: 22.265 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34



Tgt Ion:178 Resp: 309548
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.2 12.4 18.6





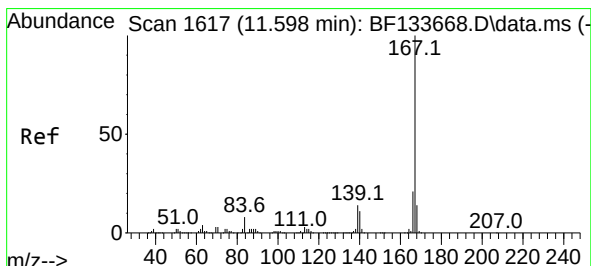
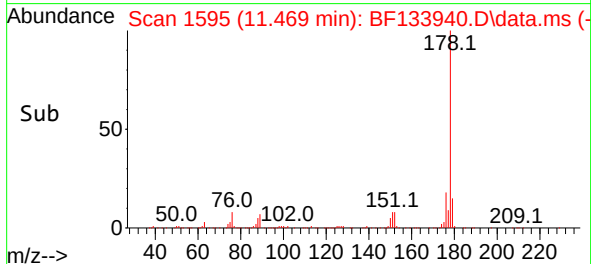
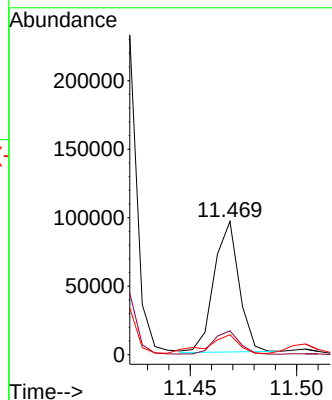
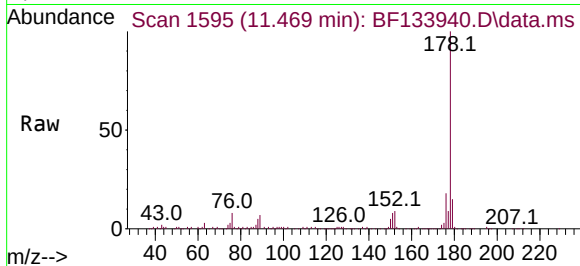
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 Anthracene
 Concen: 5.389 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133940.D
 Acq: 23 Jun 2023 13:34

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-SB9

Tgt Ion:178 Resp: 78118
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.1 22.7
 179 15.1 12.6 18.8

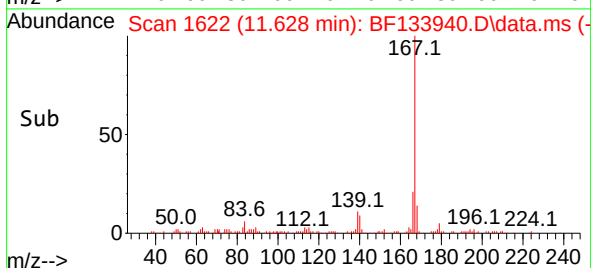
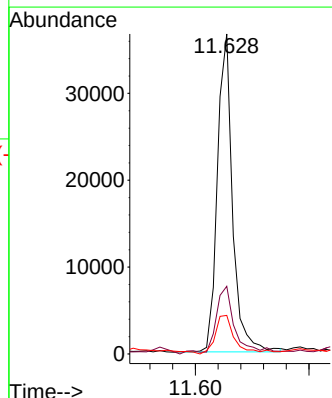
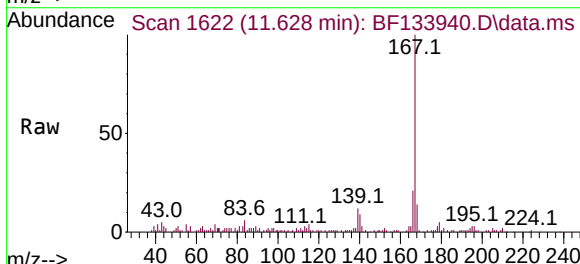
Manual Integrations
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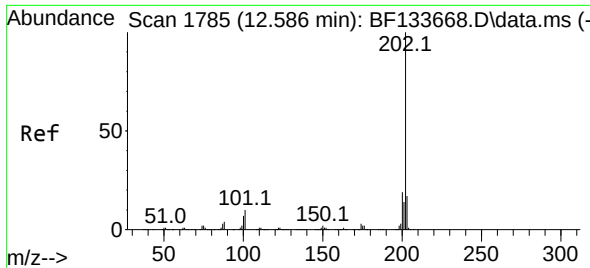
Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023



#73
 Carbazole
 Concen: 2.514 ng
 RT: 11.628 min Scan# 1622
 Delta R.T. 0.000 min
 Lab File: BF133940.D
 Acq: 23 Jun 2023 13:34

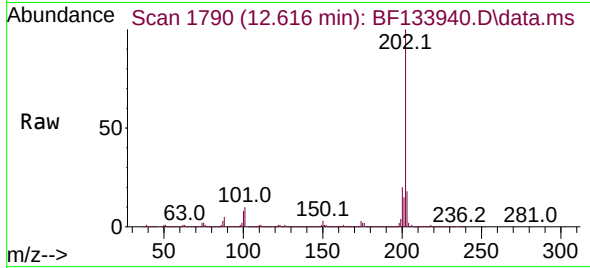
Tgt Ion:167 Resp: 33937
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.6
 139 12.1 11.2 16.8





#75
Fluoranthene
Concen: 46.444 ng
RT: 12.616 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34

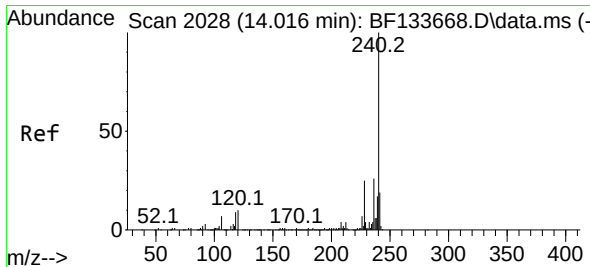
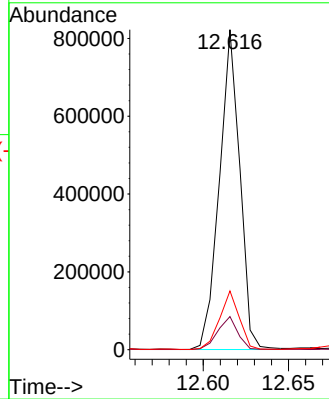
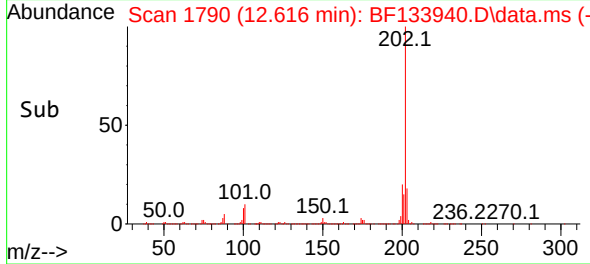
Instrument :
BNA_F
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COMPOSITE-SB9



Tgt Ion:202 Resp: 68569
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.6
203 18.3 0.0 37.4

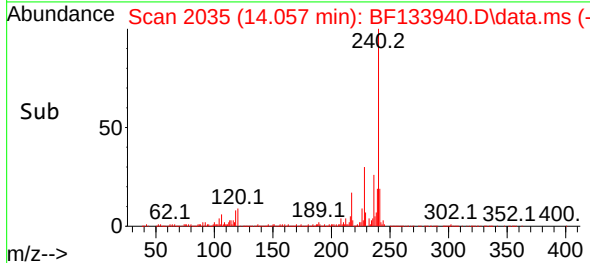
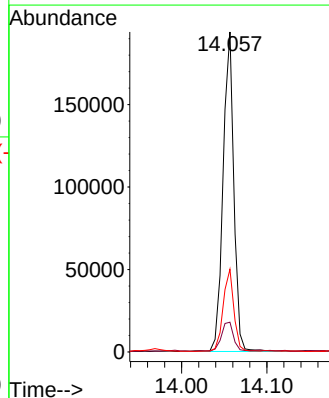
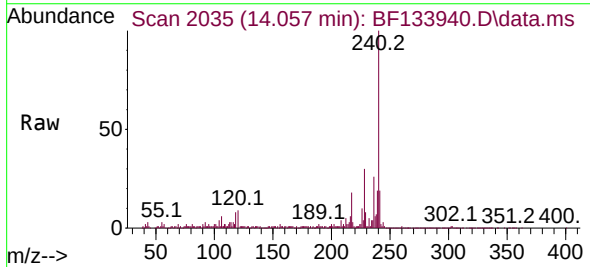
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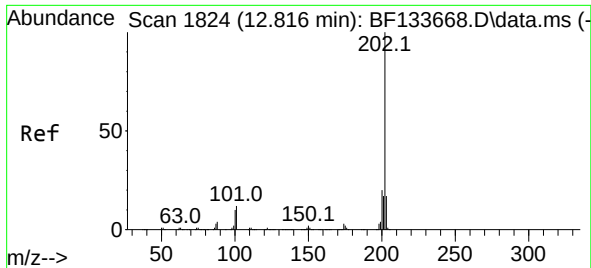
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.000 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34

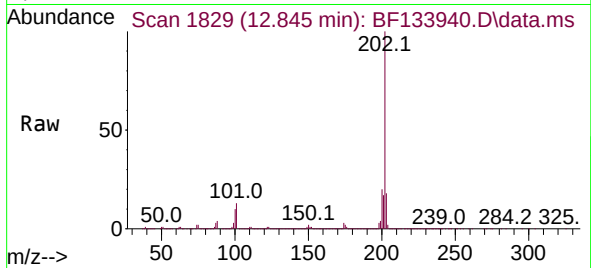
Tgt Ion:240 Resp: 170504
Ion Ratio Lower Upper
240 100
120 9.3 8.1 12.1
236 25.8 20.5 30.7





#78
Pyrene
Concen: 41.601 ng
RT: 12.845 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34

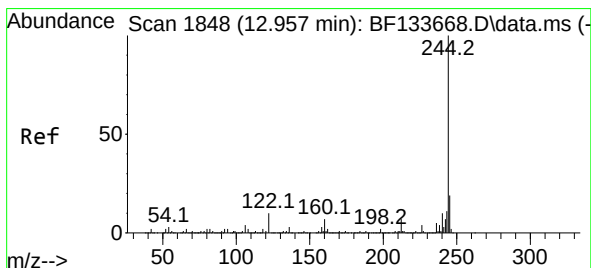
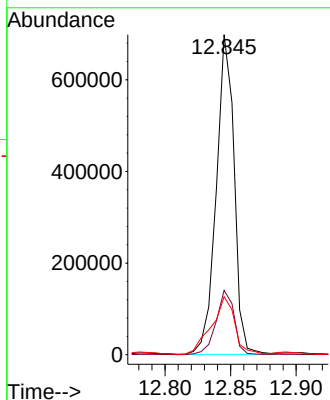
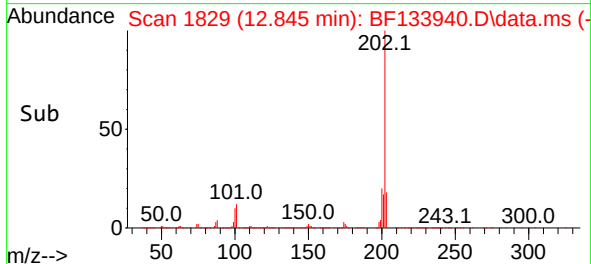
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB9



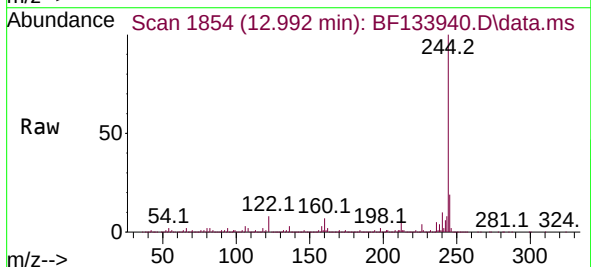
Tgt Ion:202 Resp: 660750
Ion Ratio Lower Upper
202 100
200 20.1 16.2 24.2
203 18.1 13.9 20.9

Manual Integrations
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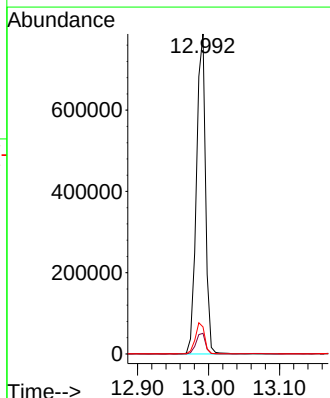
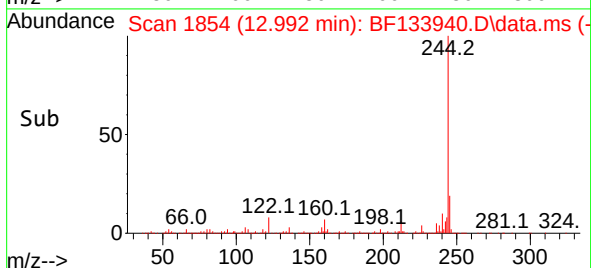
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

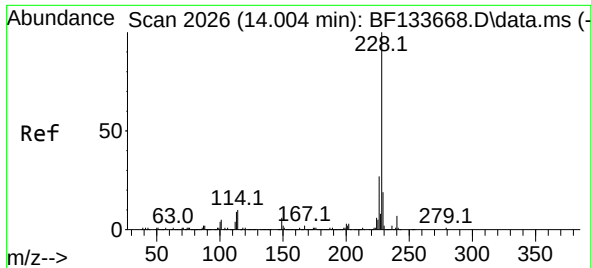


#79
Terphenyl-d14
Concen: 63.659 ng
RT: 12.992 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34



Tgt Ion:244 Resp: 701464
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.2
122 8.5 8.1 12.1





#81
Benzo(a)anthracene
Concen: 32.065 ng
RT: 14.045 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34

Instrument :

BNA_F

ClientSampleId :

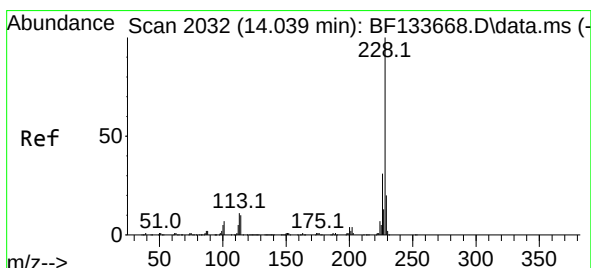
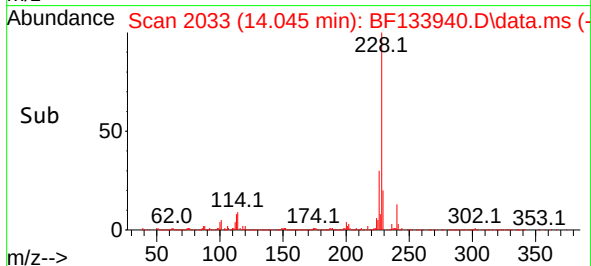
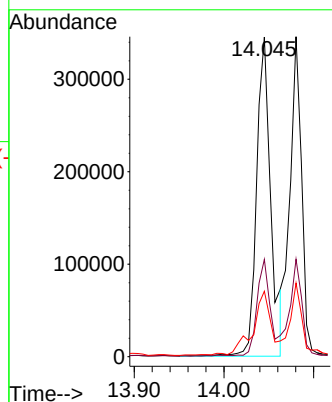
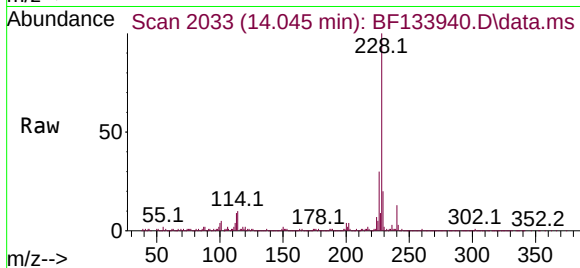
COMPOSITE-SB9

Tgt Ion:228 Resp: 37817
Ion Ratio Lower Upper
228 100
226 30.4 21.7 32.5
229 20.5 15.4 23.2

Manual Integrations

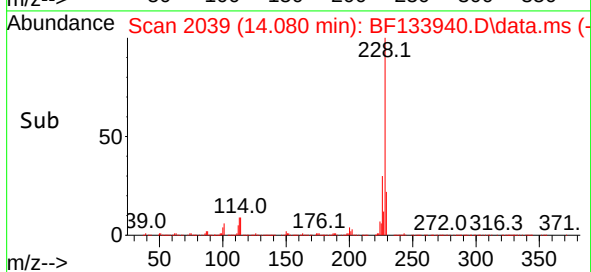
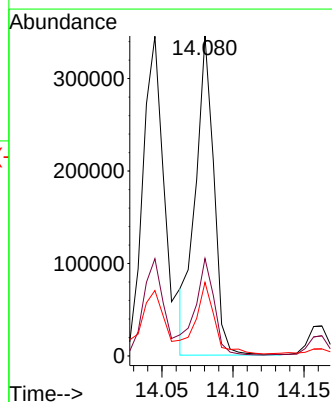
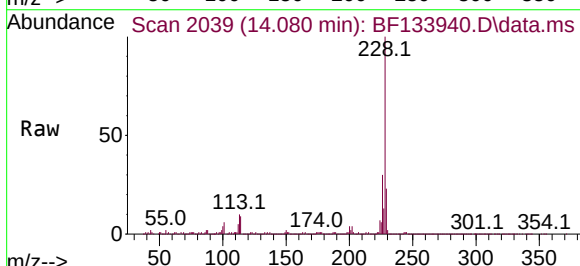
APPROVED

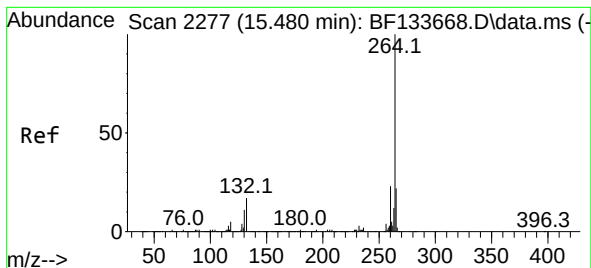
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#83
Chrysene
Concen: 28.027 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34

Tgt Ion:228 Resp: 312635
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 23.0 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133940.D

Acq: 23 Jun 2023 13:34

Instrument :

BNA_F

ClientSampleId :

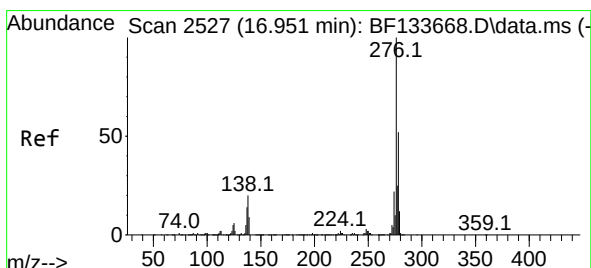
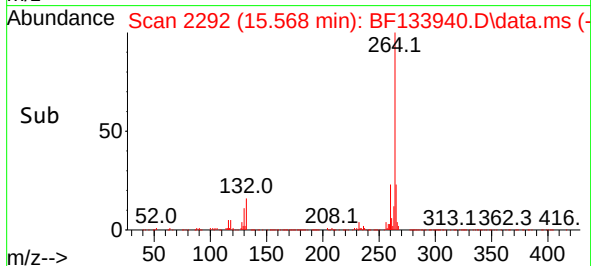
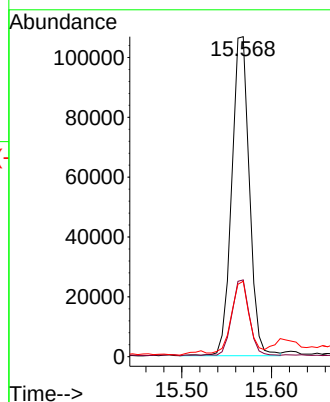
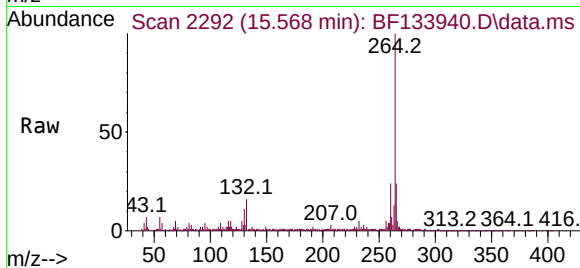
COMPOSITE-SB9

Tgt Ion:264 Resp: 14583
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.2 27.2
 265 23.6 17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.218 ng

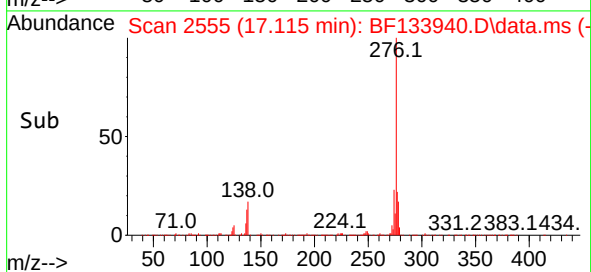
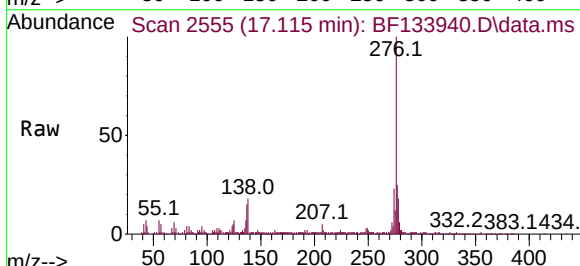
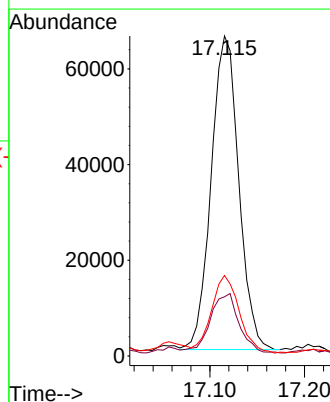
RT: 17.115 min Scan# 2555

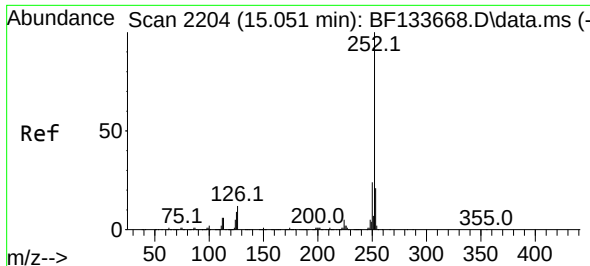
Delta R.T. -0.006 min

Lab File: BF133940.D

Acq: 23 Jun 2023 13:34

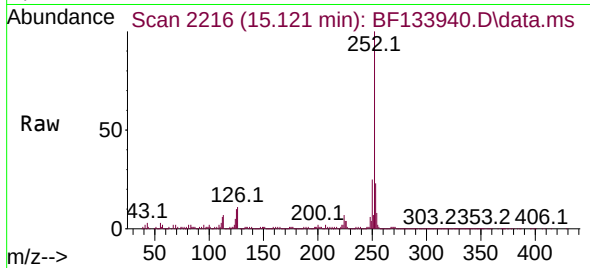
Tgt Ion:276 Resp: 132611
 Ion Ratio Lower Upper
 276 100
 138 19.7 17.9 26.9
 277 24.5 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 41.076 ng m
RT: 15.121 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34

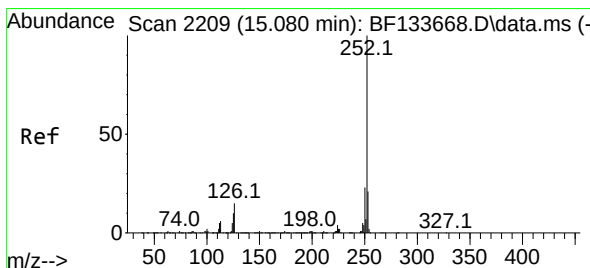
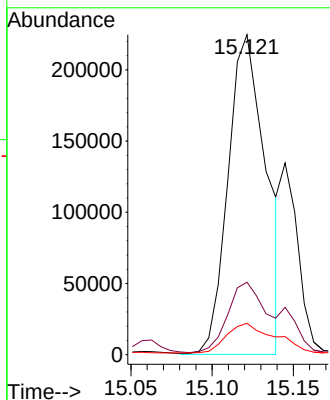
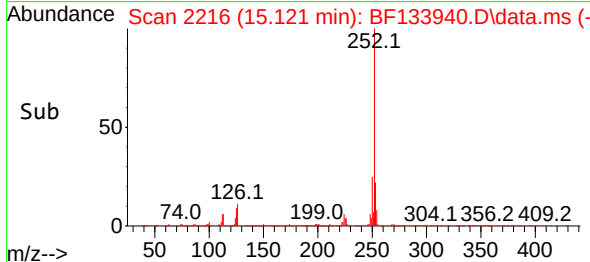
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB9



Tgt Ion:252 Resp: 363880
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 9.8 7.3 10.9

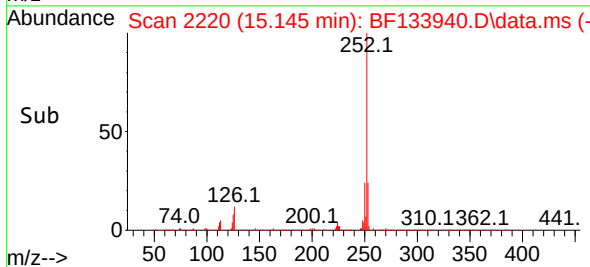
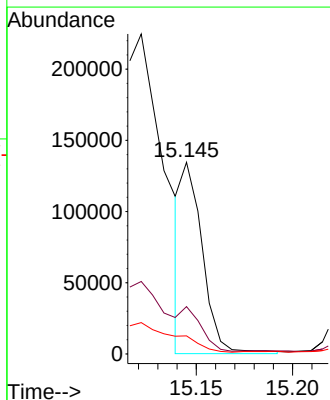
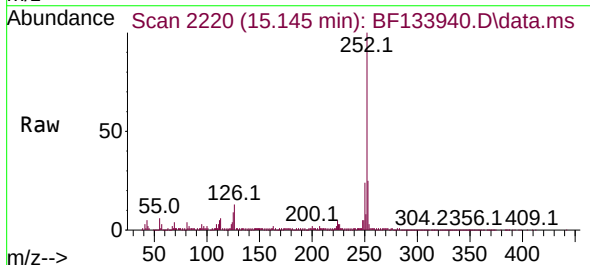
Manual Integrations
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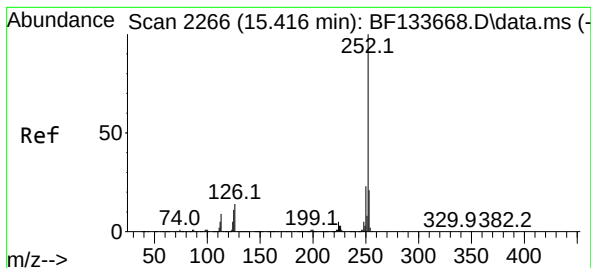
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#89
Benzo(k)fluoranthene
Concen: 11.831 ng m
RT: 15.145 min Scan# 2220
Delta R.T. 0.000 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34

Tgt Ion:252 Resp: 102094
Ion Ratio Lower Upper
252 100
253 24.7 17.0 25.4
125 9.5 7.8 11.6





#90

Benzo(a)pyrene

Concen: 28.253 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133940.D

Acq: 23 Jun 2023 13:34

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB9

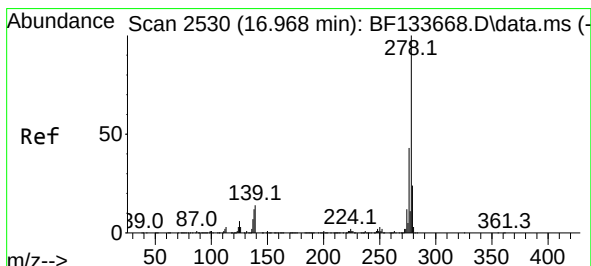
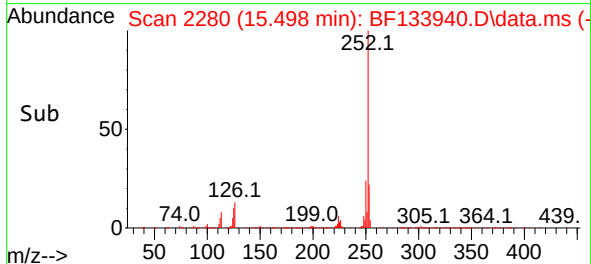
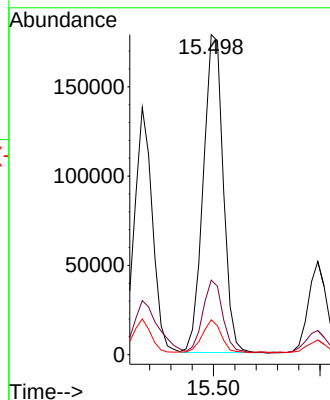
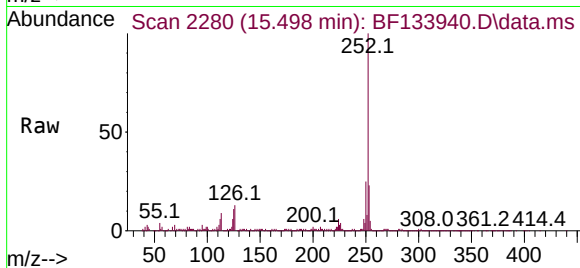
Tgt Ion:252 Resp: 232285
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.1 25.7
 125 10.9 8.6 13.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#91

Dibenzo(a,h)anthracene

Concen: 4.117 ng

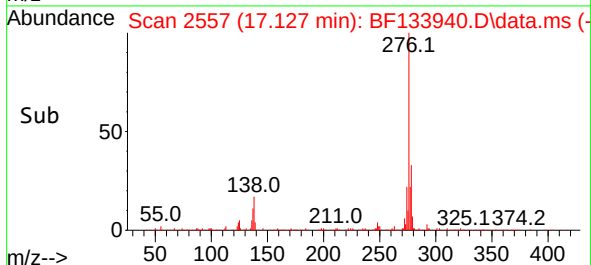
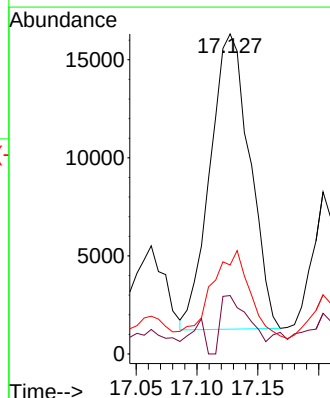
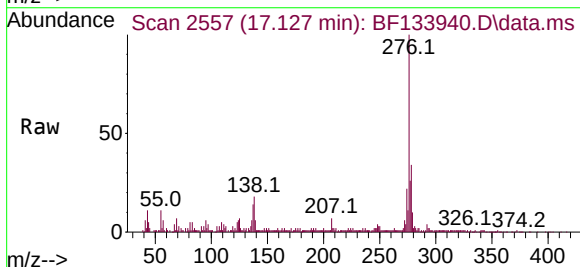
RT: 17.127 min Scan# 2557

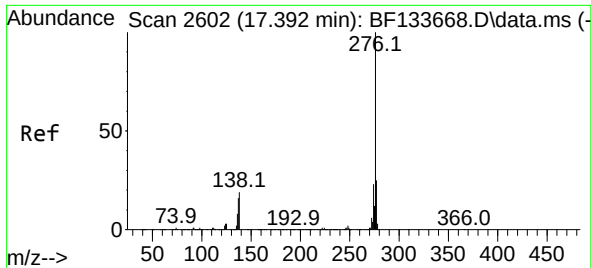
Delta R.T. -0.012 min

Lab File: BF133940.D

Acq: 23 Jun 2023 13:34

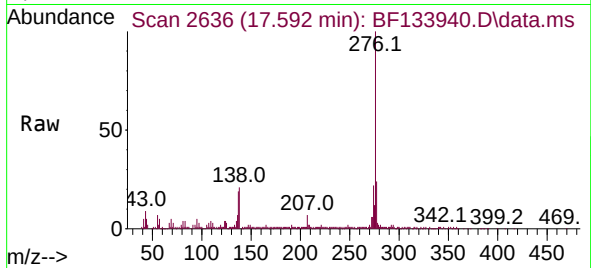
Tgt Ion:278 Resp: 34198
 Ion Ratio Lower Upper
 278 100
 139 18.3 11.4 17.2#
 279 27.8 19.0 28.4





#92
Benzo(g,h,i)perylene
Concen: 15.056 ng
RT: 17.592 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF133940.D
Acq: 23 Jun 2023 13:34

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB9



Tgt Ion:276 Resp: 123992
Ion Ratio Lower Upper
276 100
277 24.4 19.8 29.8
138 20.8 15.0 22.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

