

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062323\
 Data File : BF133949.D
 Acq On : 23 Jun 2023 18:43
 Operator : CG\JU
 Sample : 03330-07 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-MC01

Manual Integrations
 APPROVED

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

Quant Time: Jun 23 19:27:28 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	101034	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	341870	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	143714	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	261290	20.000	ng	0.00
76) Chrysene-d12	14.051	240	165104	20.000	ng	0.00
86) Perylene-d12	15.568	264	136855	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	262640	45.255	ng	0.00
7) Phenol-d6	6.492	99	306748	40.606	ng	0.00
23) Nitrobenzene-d5	7.416	82	189211	30.145	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	67679	37.203	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	365019	36.105	ng	0.00
79) Terphenyl-d14	12.992	244	343713	32.213	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	34895	2.632	ng	97
75) Fluoranthene	12.615	202	84206	5.982	ng	99
78) Pyrene	12.845	202	80249	5.218	ng	99
81) Benzo(a)anthracene	14.045	228	37368m	3.272	ng	
83) Chrysene	14.080	228	35274	3.266	ng	97
88) Benzo(b)fluoranthene	15.115	252	40478m	4.869	ng	
90) Benzo(a)pyrene	15.498	252	27029	3.503	ng	# 92
92) Benzo(g,h,i)perylene	17.592	276	16647	2.154	ng	99

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

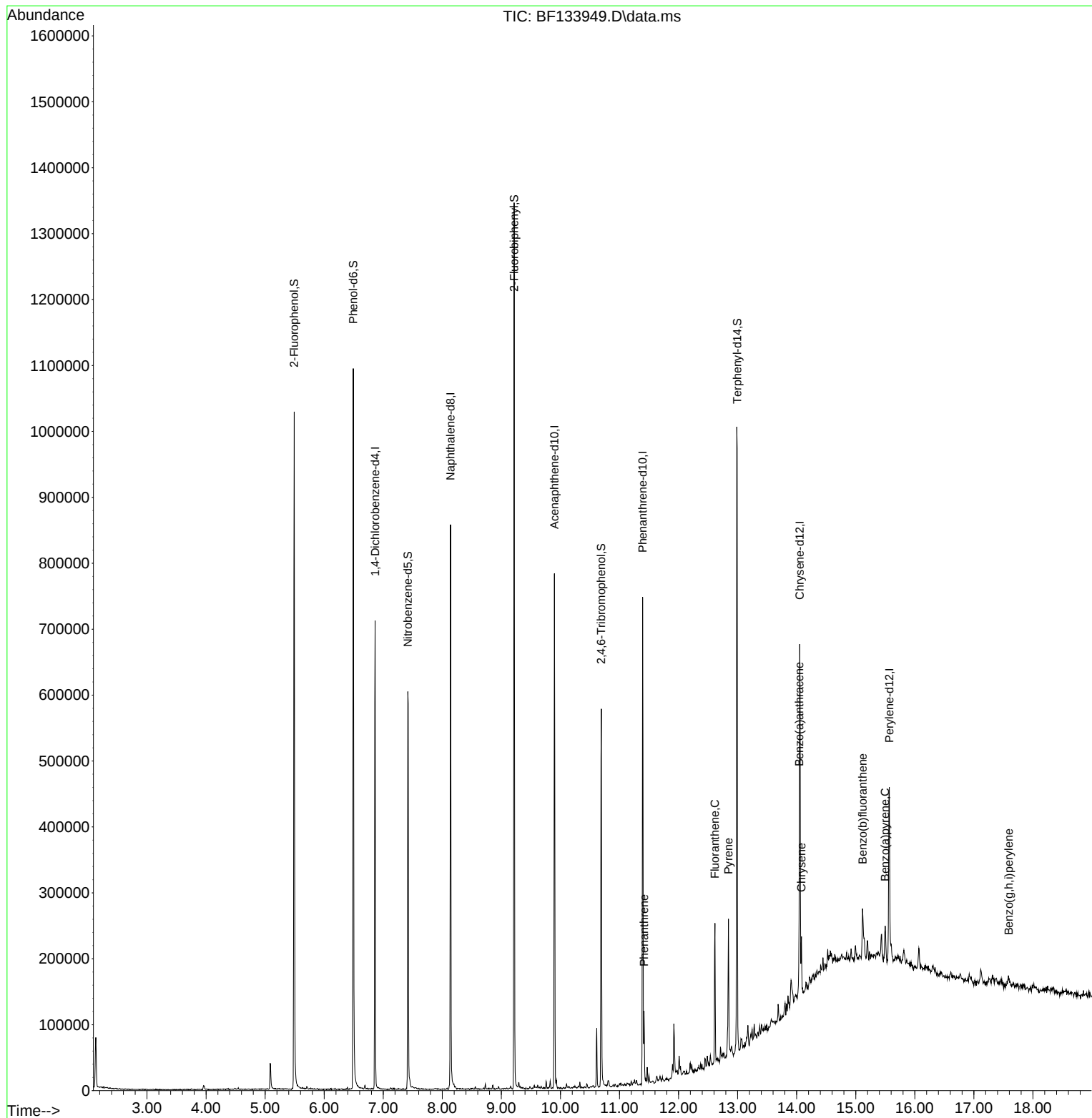
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062323\
Data File : BF133949.D
Acq On : 23 Jun 2023 18:43
Operator : CG\JU
Sample : 03330-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

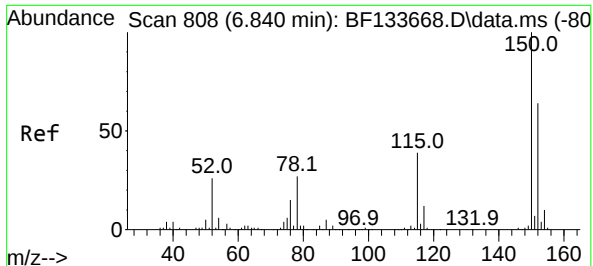
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-MC01

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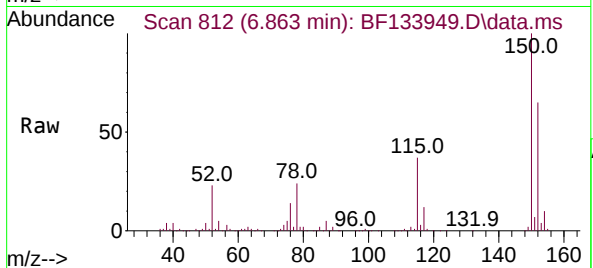
Quant Time: Jun 23 19:27:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 02:21:26 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF133949.D
Acq: 23 Jun 2023 18:43

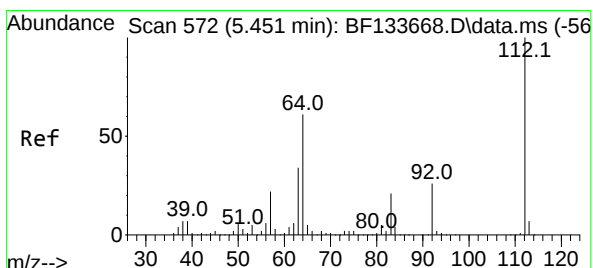
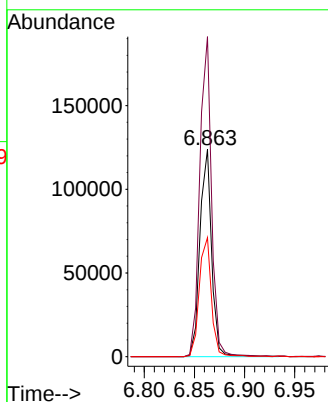
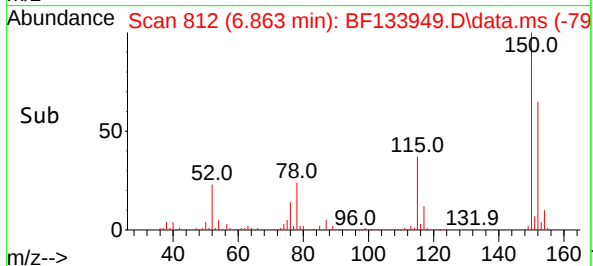
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-MC01



Tgt Ion:152 Resp: 101034
Ion Ratio Lower Upper
152 100
150 154.4 124.3 186.5
115 57.4 48.5 72.7

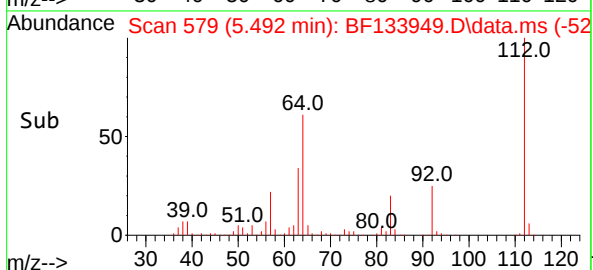
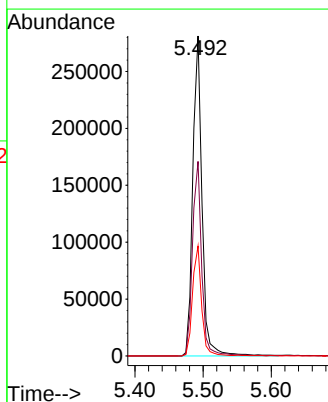
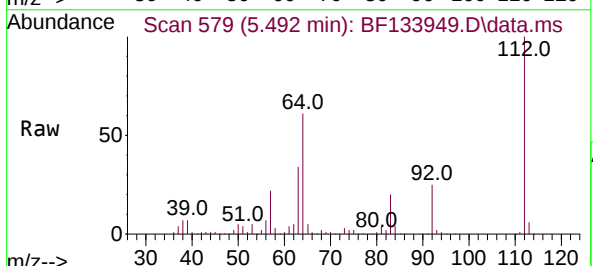
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#5
2-Fluorophenol
Concen: 45.255 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF133949.D
Acq: 23 Jun 2023 18:43

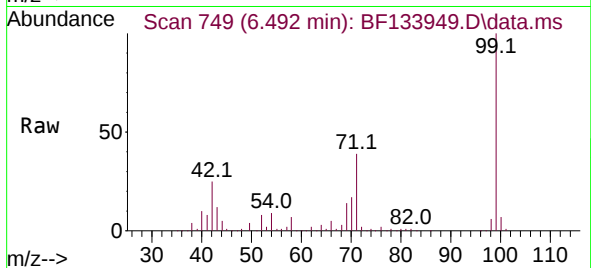
Tgt Ion:112 Resp: 262640
Ion Ratio Lower Upper
112 100
64 60.8 49.0 73.4
63 34.4 26.8 40.2





#7
Phenol-d6
Concen: 40.606 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133949.D
Acq: 23 Jun 2023 18:43

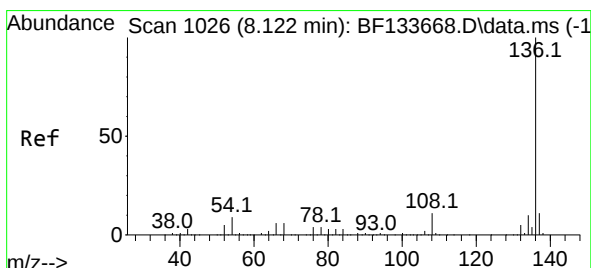
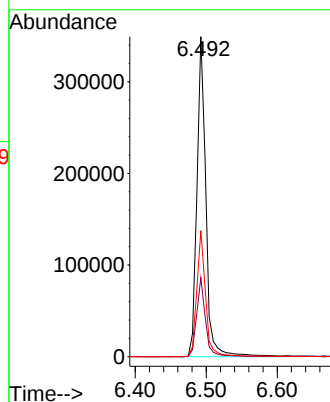
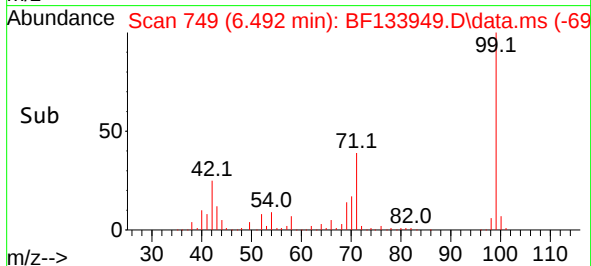
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-MC01



Tgt Ion: 99 Resp: 306748
Ion Ratio Lower Upper
99 100
42 24.7 19.9 29.9
71 39.4 32.2 48.4

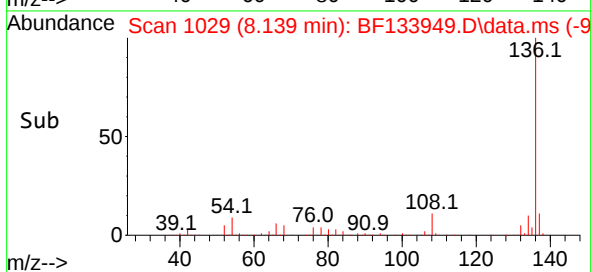
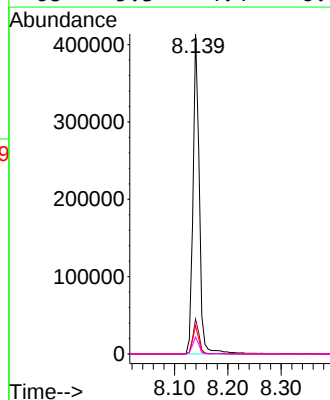
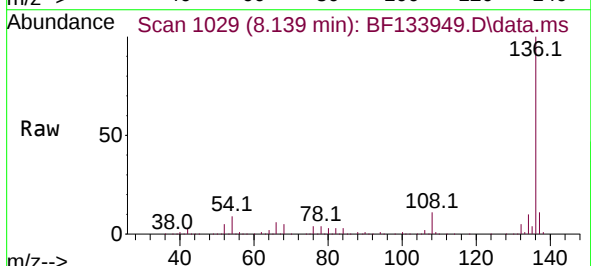
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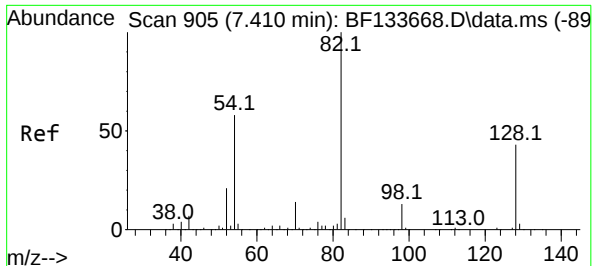
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133949.D
Acq: 23 Jun 2023 18:43

Tgt Ion:136 Resp: 341870
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.8 7.4 11.0
68 5.3 4.4 6.6





#23

Nitrobenzene-d5

Concen: 30.145 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133949.D

Acq: 23 Jun 2023 18:43

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-MC01

Tgt Ion: 82 Resp: 18921

Ion Ratio Lower Upper

82 100

128 40.6 34.2 51.2

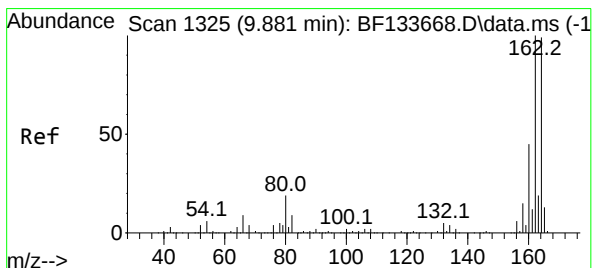
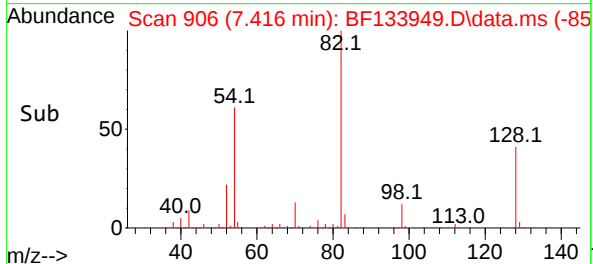
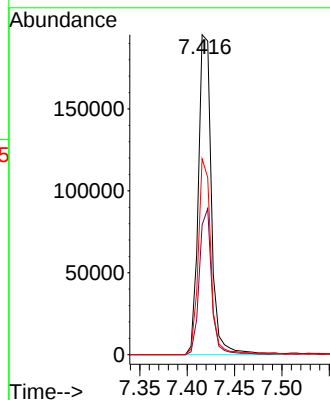
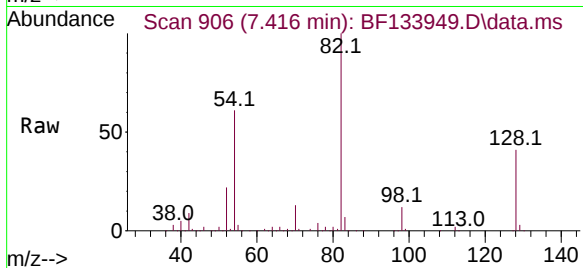
54 61.2 46.5 69.7

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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: BF133949.D

Acq: 23 Jun 2023 18:43

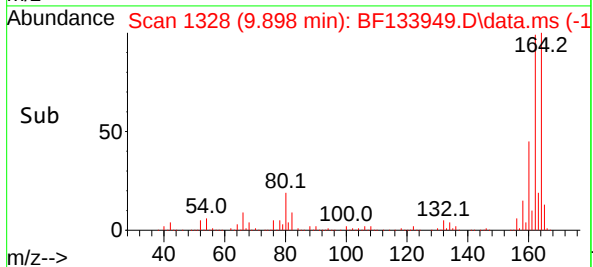
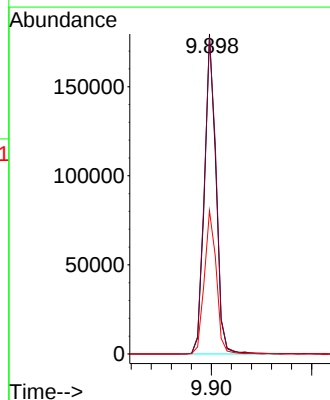
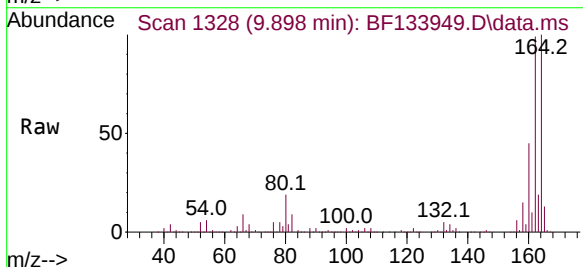
Tgt Ion:164 Resp: 143714

Ion Ratio Lower Upper

164 100

162 98.9 80.8 121.2

160 44.8 36.7 55.1





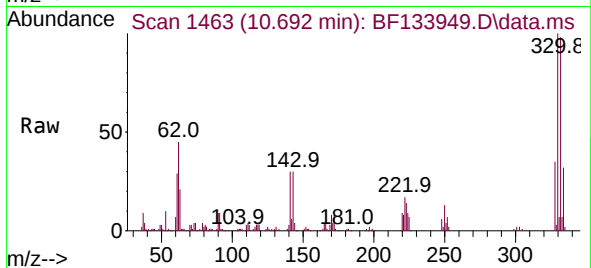
#42
2,4,6-Tribromophenol
Concen: 37.203 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF133949.D
Acq: 23 Jun 2023 18:43

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-MC01

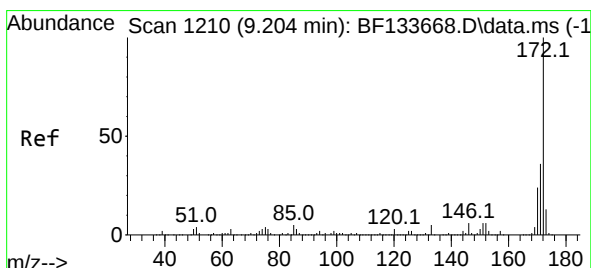
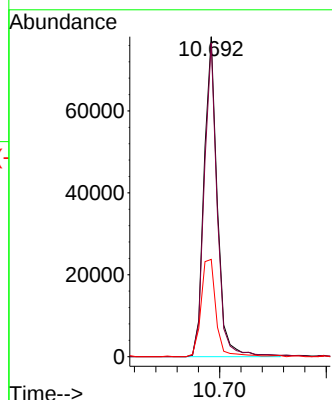
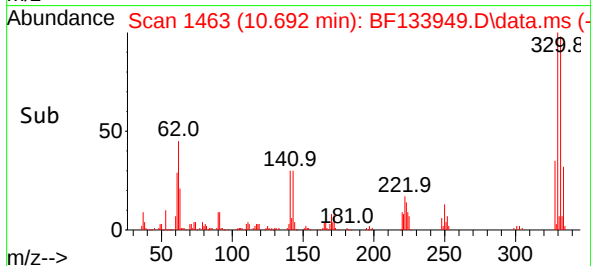


Tgt Ion:330 Resp: 67679
Ion Ratio Lower Upper
330 100
332 96.1 77.2 115.8
141 34.4 24.9 37.3

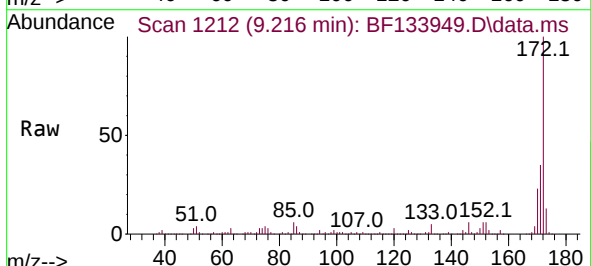
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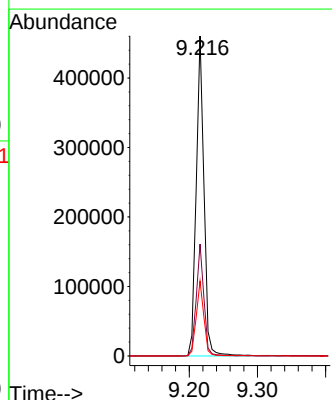
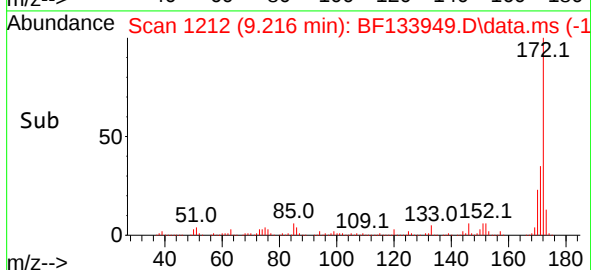
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

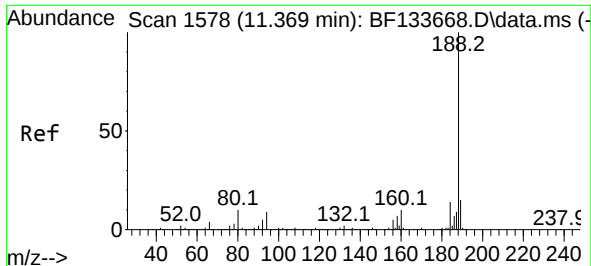


#45
2-Fluorobiphenyl
Concen: 36.105 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133949.D
Acq: 23 Jun 2023 18:43



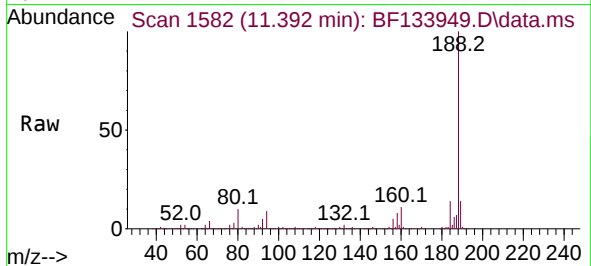
Tgt Ion:172 Resp: 365019
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.5 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF133949.D
Acq: 23 Jun 2023 18:43

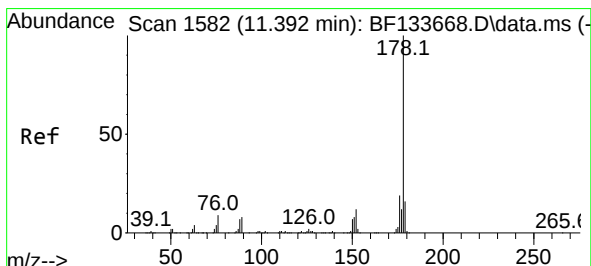
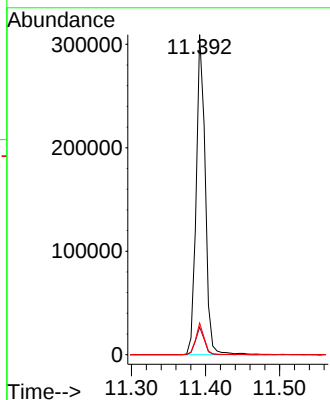
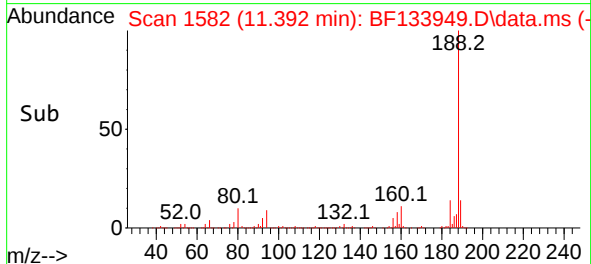
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-MC01



Tgt Ion:188 Resp: 261290
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.9 7.8 11.6

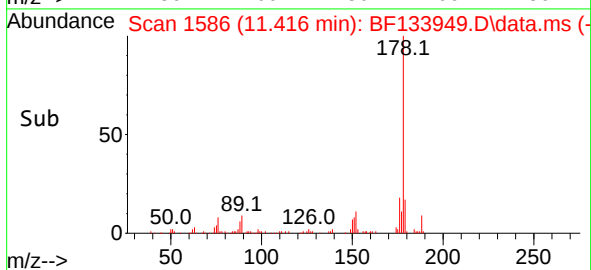
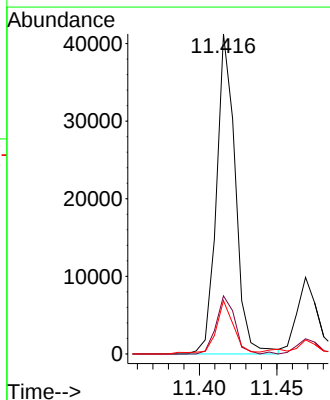
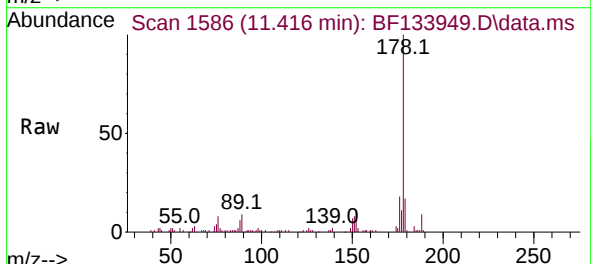
Manual Integrations
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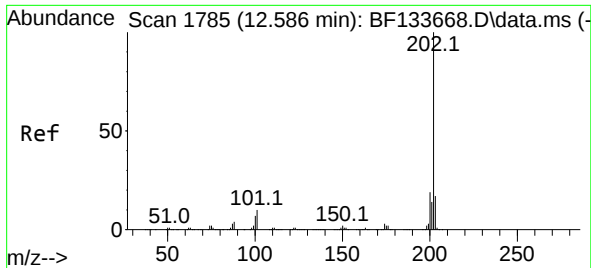
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#71
Phenanthrene
Concen: 2.632 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133949.D
Acq: 23 Jun 2023 18:43

Tgt Ion:178 Resp: 34895
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 16.7 12.4 18.6





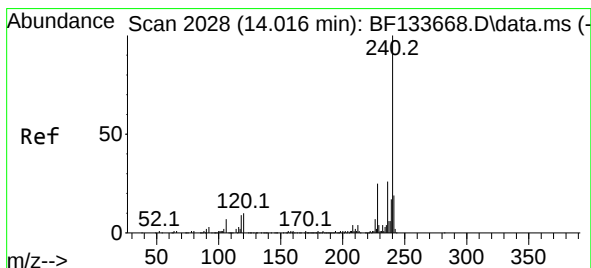
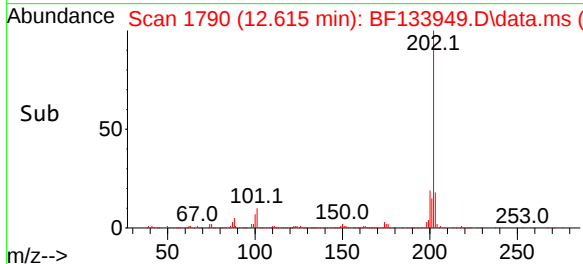
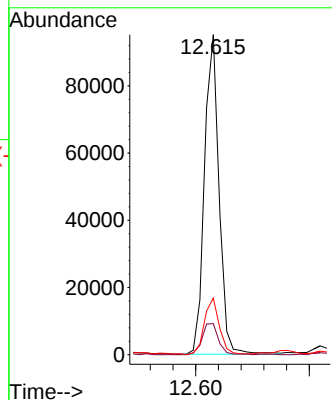
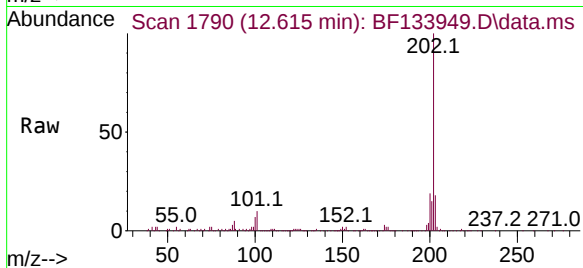
#75
Fluoranthene
Concen: 5.982 ng
RT: 12.615 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF133949.D
Acq: 23 Jun 2023 18:43

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-MC01

Tgt Ion:202 Resp: 84200
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.6
203 17.7 0.0 37.4

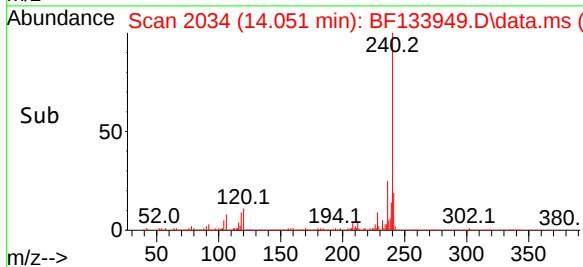
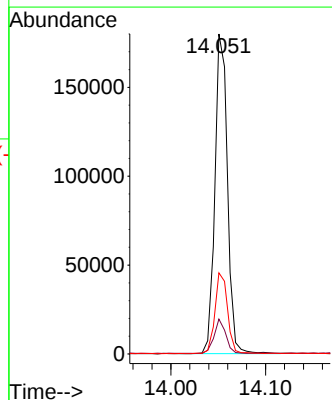
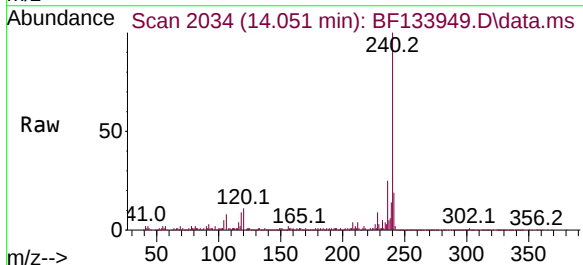
Manual Integrations
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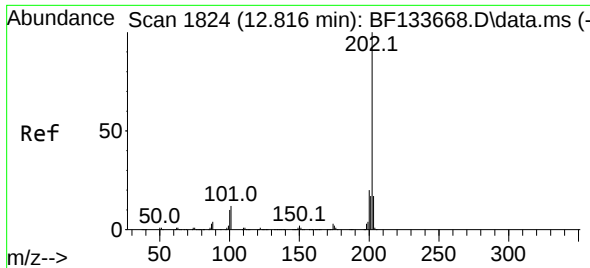
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF133949.D
Acq: 23 Jun 2023 18:43

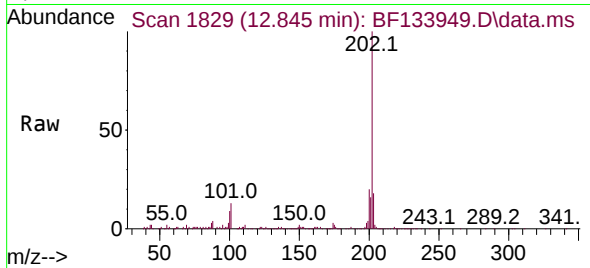
Tgt Ion:240 Resp: 165104
Ion Ratio Lower Upper
240 100
120 10.9 8.1 12.1
236 25.3 20.5 30.7





#78
Pyrene
Concen: 5.218 ng
RT: 12.845 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BF133949.D
Acq: 23 Jun 2023 18:43

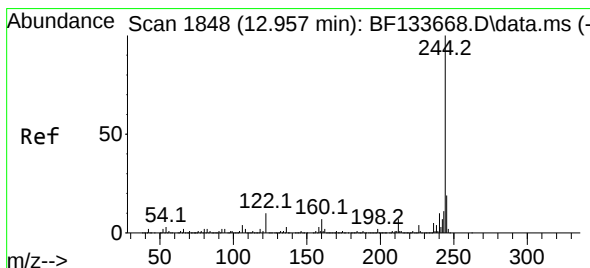
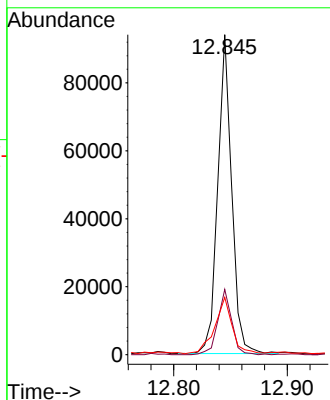
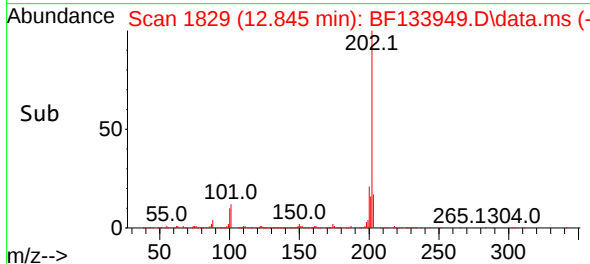
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-MC01



Tgt Ion:202 Resp: 80249
Ion Ratio Lower Upper
202 100
200 20.4 16.2 24.2
203 17.9 13.9 20.9

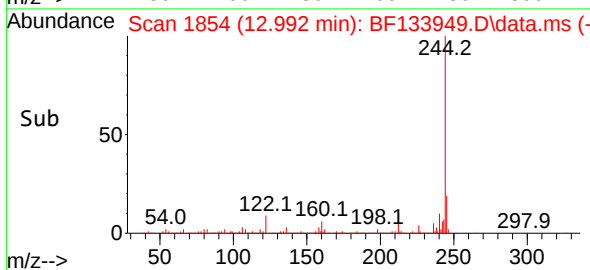
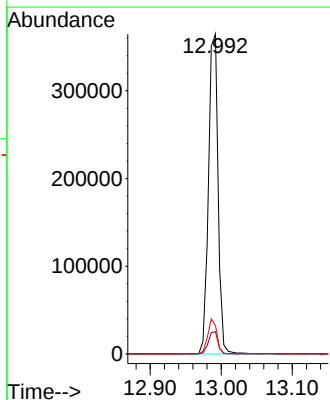
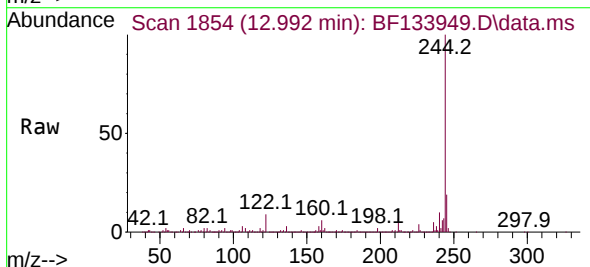
Manual Integrations
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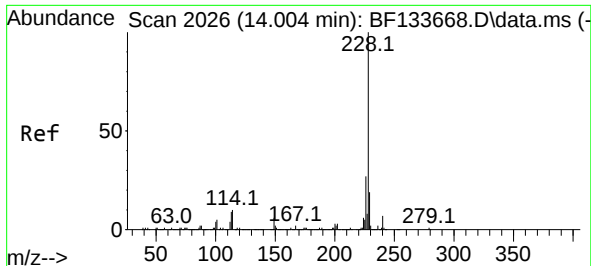
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#79
Terphenyl-d14
Concen: 32.213 ng
RT: 12.992 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF133949.D
Acq: 23 Jun 2023 18:43

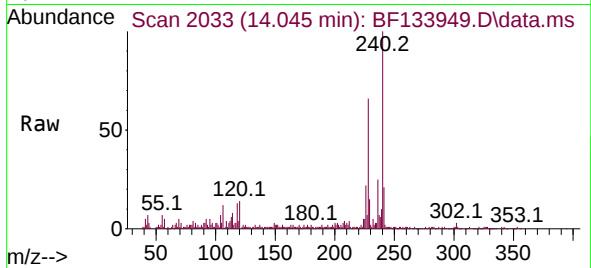
Tgt Ion:244 Resp: 343713
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 8.9 8.1 12.1





#81
Benzo(a)anthracene
Concen: 3.272 ng m
RT: 14.045 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF133949.D
Acq: 23 Jun 2023 18:43

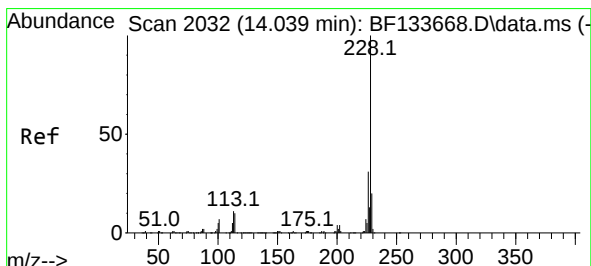
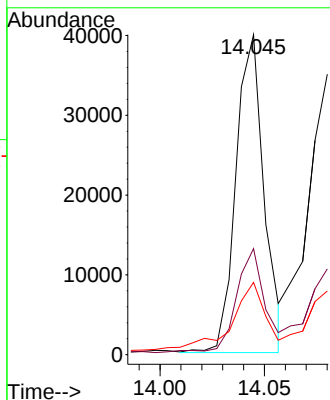
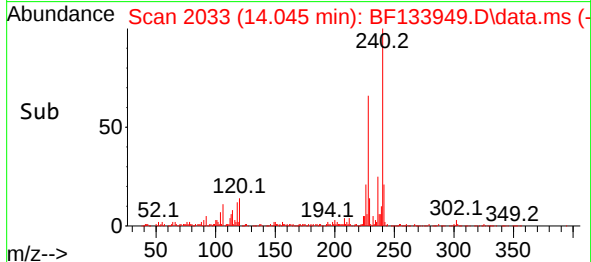
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-MC01



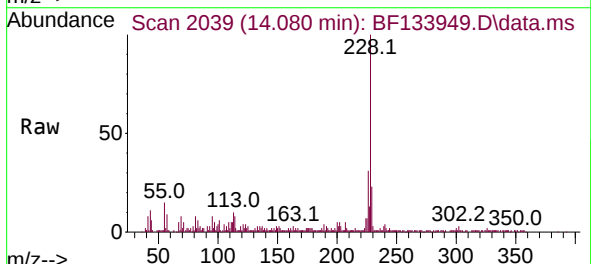
Tgt Ion:228 Resp: 37368
Ion Ratio Lower Upper
228 100
226 33.2 21.7 32.5
229 22.6 15.4 23.2

Manual Integrations
APPROVED

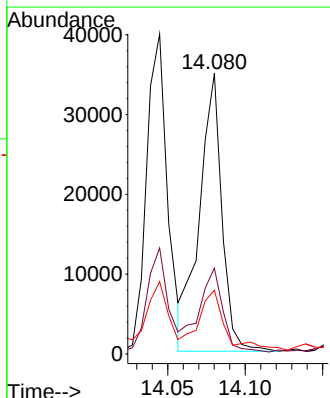
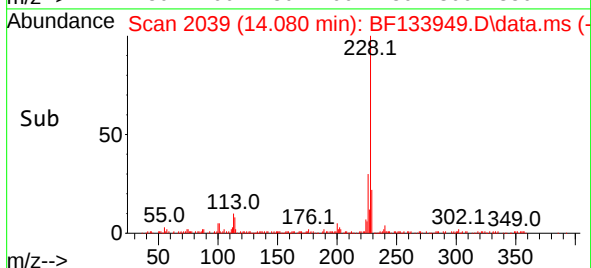
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

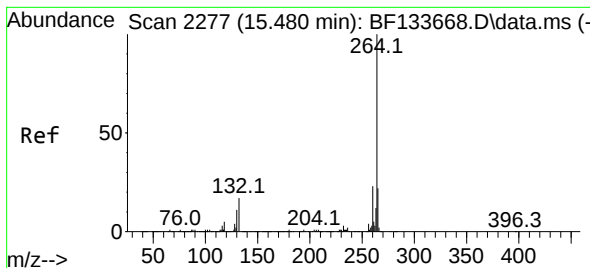


#83
Chrysene
Concen: 3.266 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF133949.D
Acq: 23 Jun 2023 18:43



Tgt Ion:228 Resp: 35274
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 22.7 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: BF133949.D

Acq: 23 Jun 2023 18:43

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-MC01

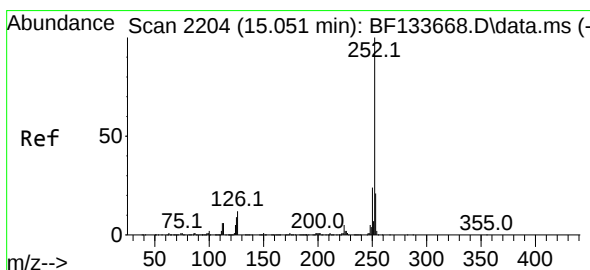
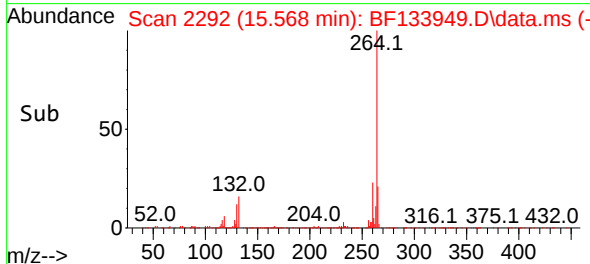
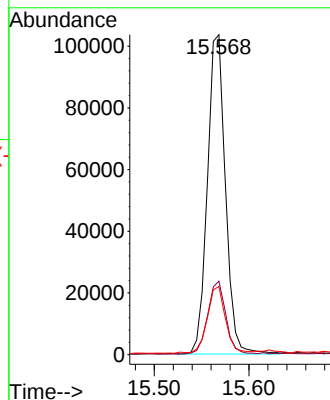
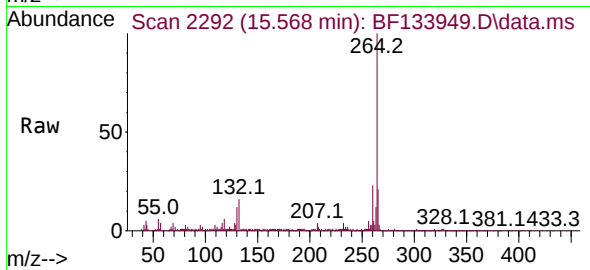
Tgt Ion:264 Resp: 13685
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.2 27.2
 265 21.3 17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#88

Benzo(b)fluoranthene

Concen: 4.869 ng m

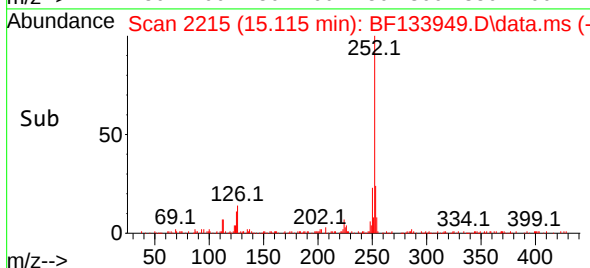
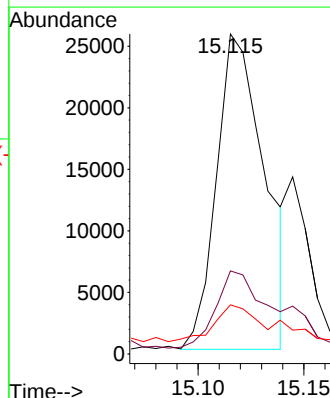
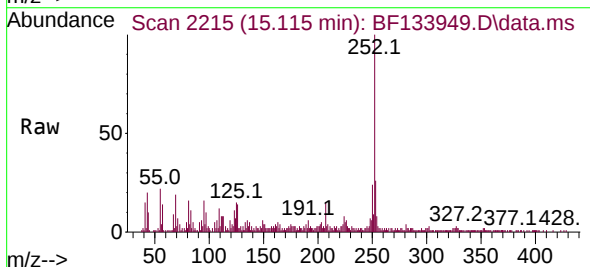
RT: 15.115 min Scan# 2215

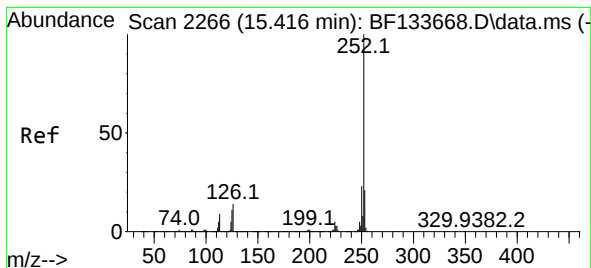
Delta R.T. 0.000 min

Lab File: BF133949.D

Acq: 23 Jun 2023 18:43

Tgt Ion:252 Resp: 40478
 Ion Ratio Lower Upper
 252 100
 253 25.9 17.0 25.6#
 125 15.4 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 3.503 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133949.D

Acq: 23 Jun 2023 18:43

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-MC01

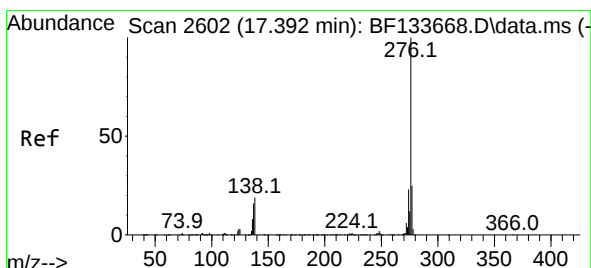
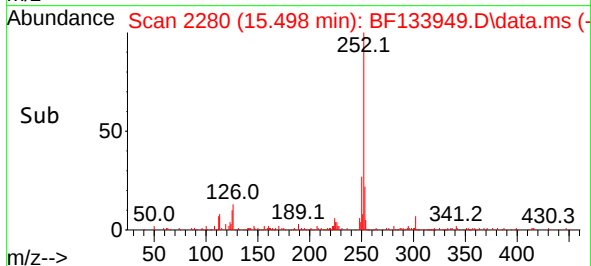
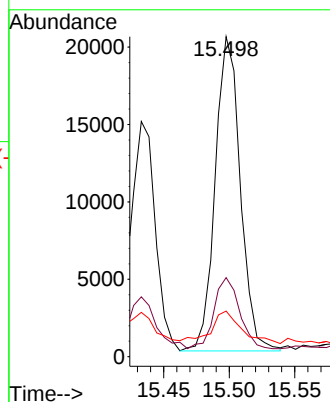
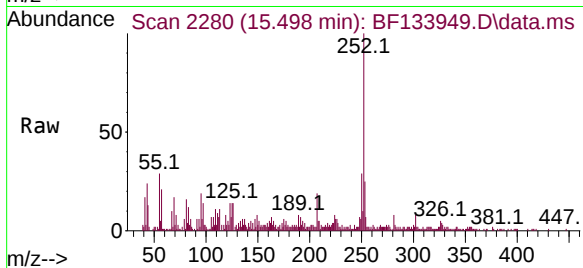
Tgt Ion:	252	Resp:	27029
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.1	25.7
125	14.3	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#92

Benzo(g,h,i)perylene

Concen: 2.154 ng

RT: 17.592 min Scan# 2636

Delta R.T. 0.000 min

Lab File: BF133949.D

Acq: 23 Jun 2023 18:43

Tgt Ion:	276	Resp:	16647
Ion Ratio	Lower	Upper	
276	100		
277	25.3	19.8	29.8
138	19.4	15.0	22.4

