

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
 Data File : BF135327.D
 Acq On : 19 Sep 2023 02:00
 Operator : CG\JU
 Sample : 04445-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-09142023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023

Quant Time: Sep 19 02:20:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	103083	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	350038	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	146437	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	261415	20.000	ng	0.00
76) Chrysene-d12	13.939	240	204022	20.000	ng	0.00
86) Perylene-d12	15.409	264	144726	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	333525	52.624	ng	0.00
7) Phenol-d6	6.398	99	398917	49.499	ng	0.00
23) Nitrobenzene-d5	7.316	82	233163	36.189	ng	-0.02
42) 2,4,6-Tribromophenol	10.586	330	68592	47.135	ng	-0.01
45) 2-Fluorobiphenyl	9.110	172	390399	40.222	ng	-0.02
79) Terphenyl-d14	12.880	244	391225	29.726	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.310	178	112553	9.103	ng	99
72) Anthracene	11.363	178	25966	2.043	ng	95
75) Fluoranthene	12.504	202	189258	14.691	ng	99
78) Pyrene	12.733	202	155467	8.004	ng	99
81) Benzo(a)anthracene	13.933	228	71234	5.407	ng	98
83) Chrysene	13.968	228	74400m	5.680	ng	
87) Indeno(1,2,3-cd)pyrene	16.886	276	21268	2.241	ng	93
88) Benzo(b)fluoranthene	14.980	252	59318m	7.571	ng	
89) Benzo(k)fluoranthene	15.009	252	23720m	3.065	ng	
90) Benzo(a)pyrene	15.345	252	38115	5.102	ng	# 91
92) Benzo(g,h,i)perylene	17.339	276	20126	2.482	ng	97

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

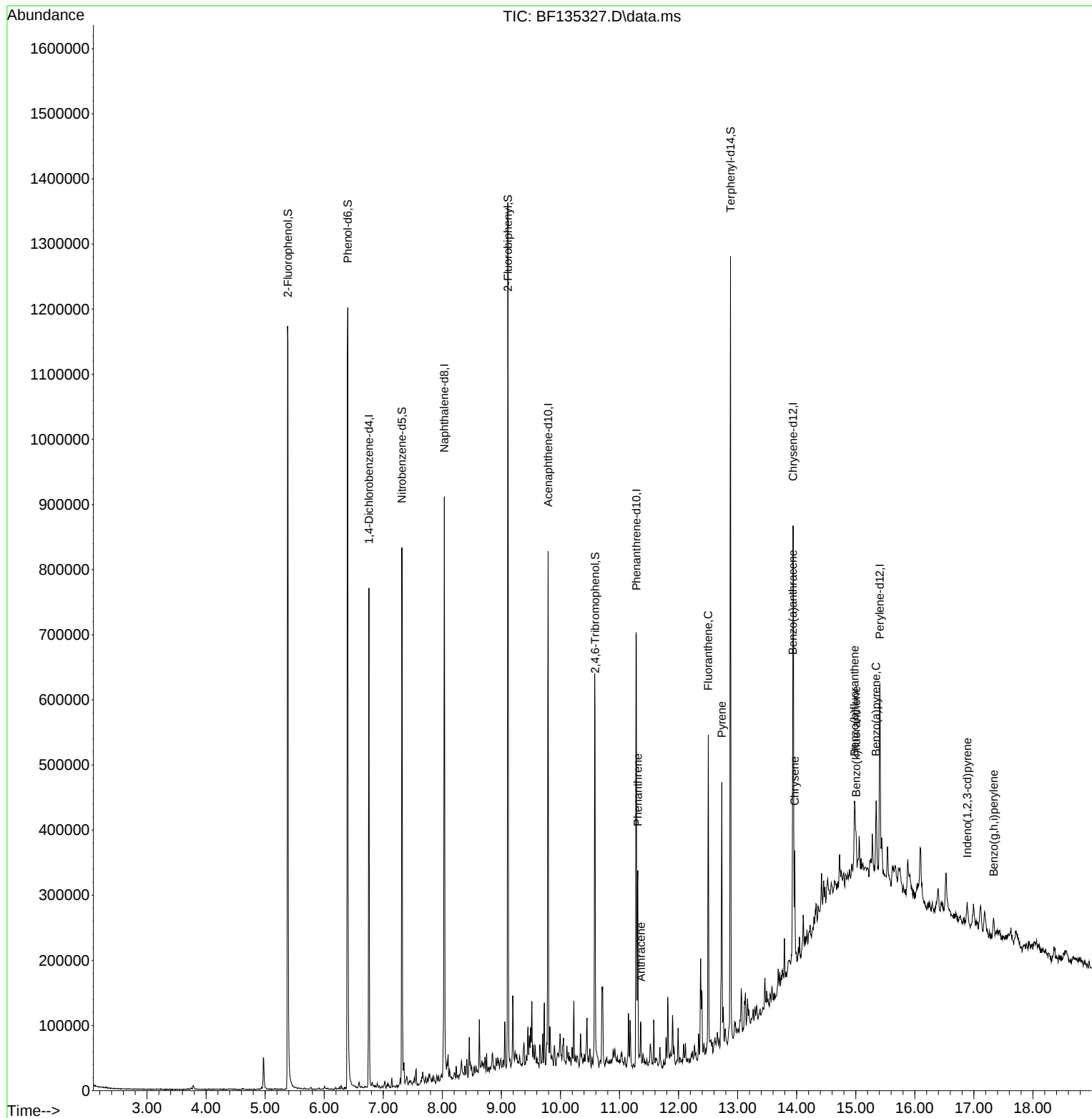
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
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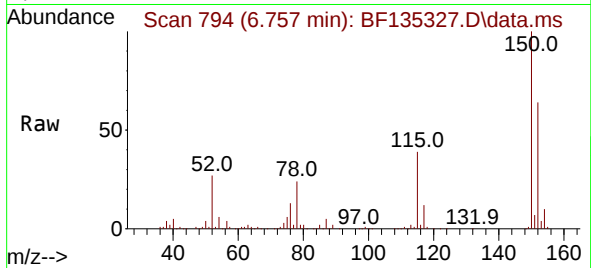
Quant Time: Sep 19 02:20:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

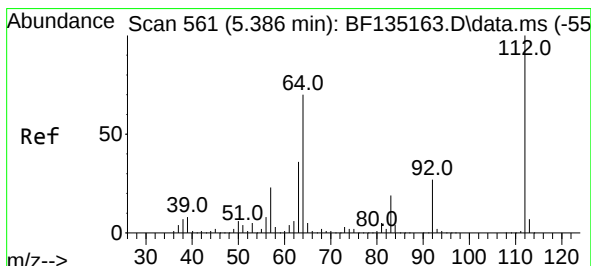
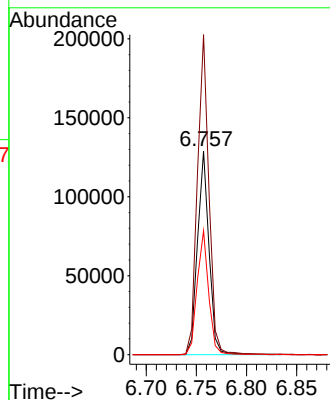
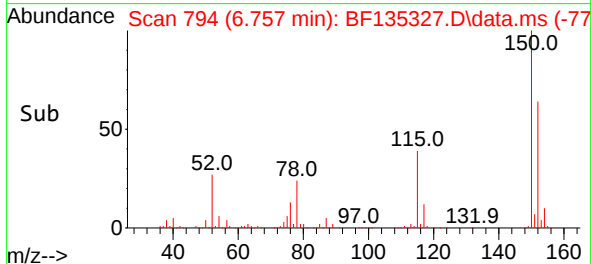
Instrument :
BNA_F
ClientSampleId :
TR-05-09142023



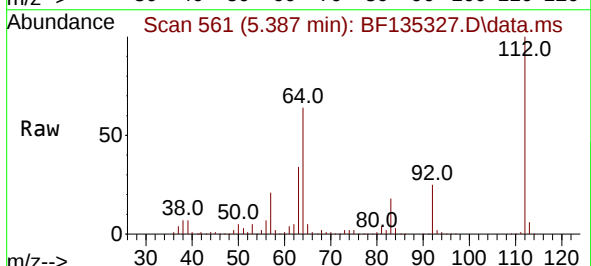
Tgt Ion:152 Resp: 103083
Ion Ratio Lower Upper
152 100
150 157.1 127.8 191.6
115 60.9 49.8 74.8

Manual Integrations
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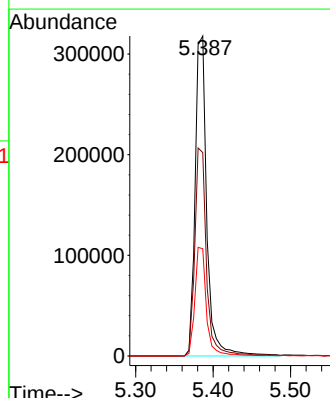
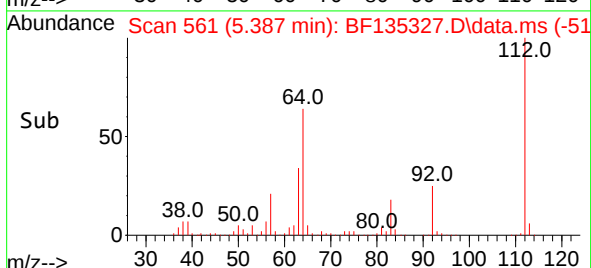
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

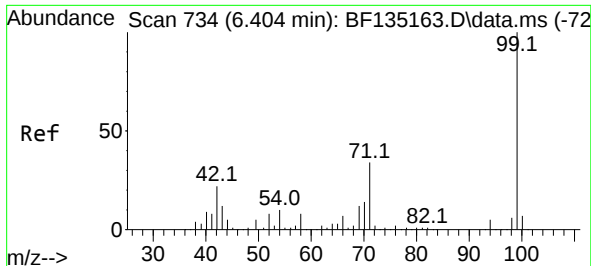


#5
2-Fluorophenol
Concen: 52.624 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00



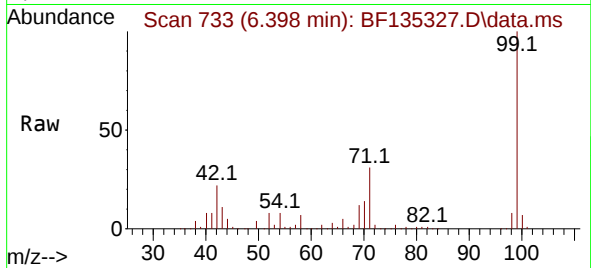
Tgt Ion:112 Resp: 333525
Ion Ratio Lower Upper
112 100
64 63.6 55.9 83.9
63 33.5 29.0 43.6





#7
Phenol-d6
Concen: 49.499 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

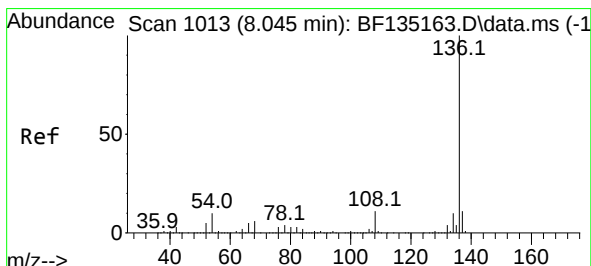
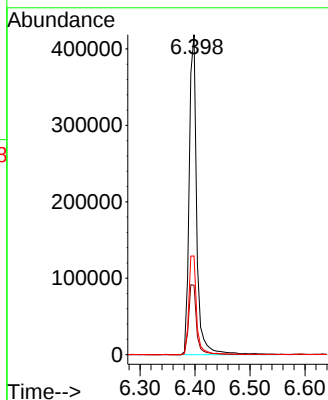
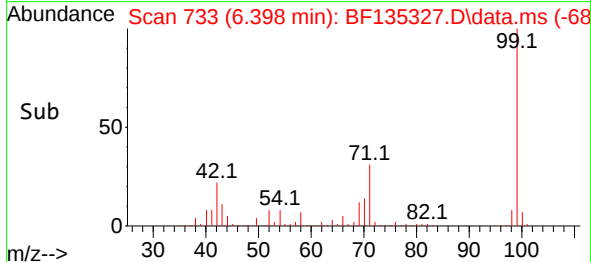
Instrument :
BNA_F
ClientSampleId :
TR-05-09142023



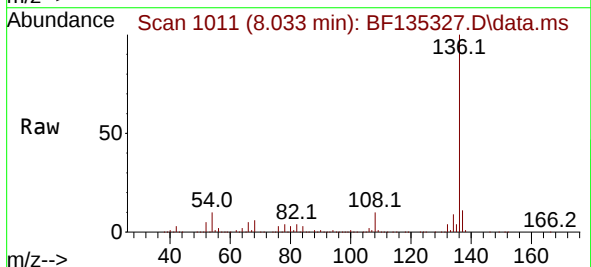
Tgt Ion: 99 Resp: 39891
Ion Ratio Lower Upper
99 100
42 21.7 17.9 26.9
71 30.9 27.0 40.6

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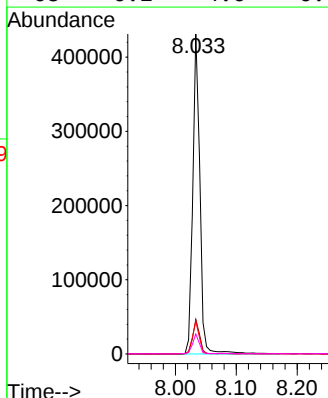
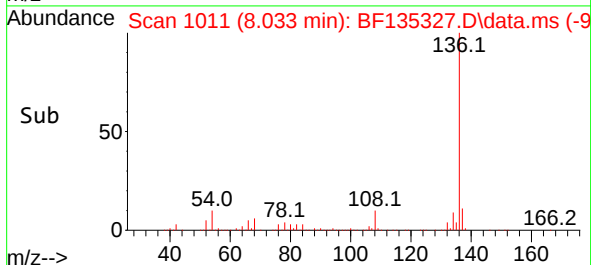
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00



Tgt Ion:136 Resp: 350038
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.2 7.7 11.5
68 6.2 4.6 6.8





#23

Nitrobenzene-d5

Concen: 36.189 ng

RT: 7.316 min Scan# 892

Delta R.T. -0.018 min

Lab File: BF135327.D

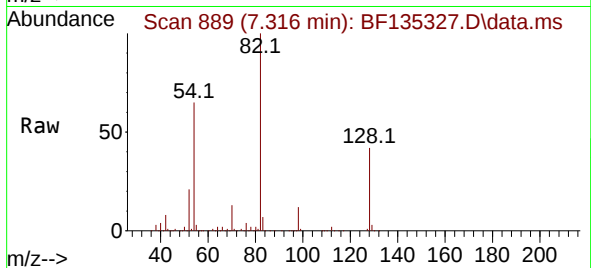
Acq: 19 Sep 2023 02:00

Instrument :

BNA_F

ClientSampleId :

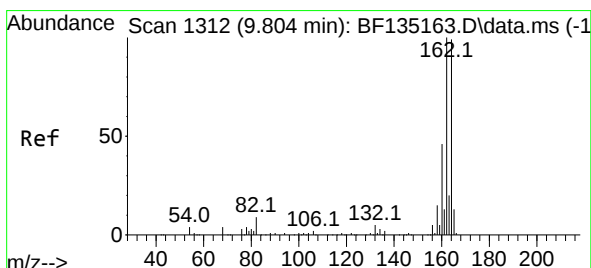
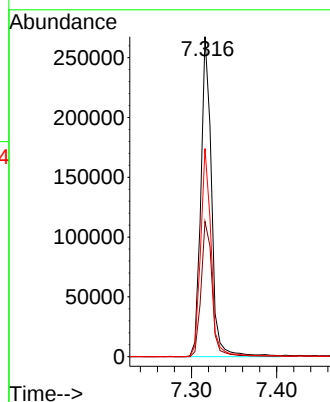
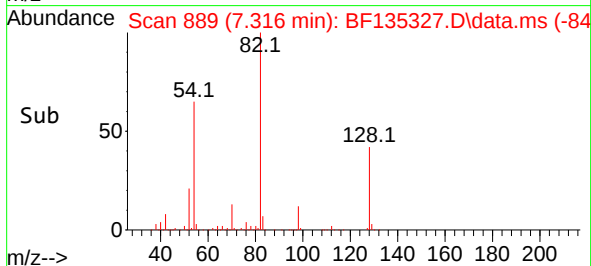
TR-05-09142023



Tgt Ion:	82	Resp:	23316
Ion Ratio	Lower	Upper	
82	100		
128	42.3	35.8	53.6
54	65.1	50.6	76.0

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Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

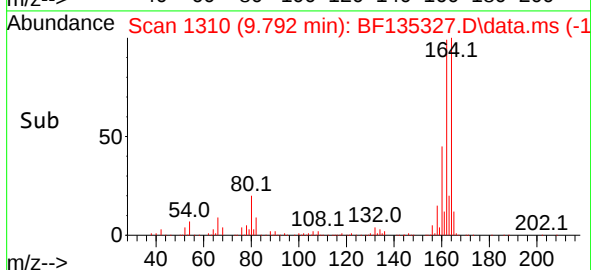
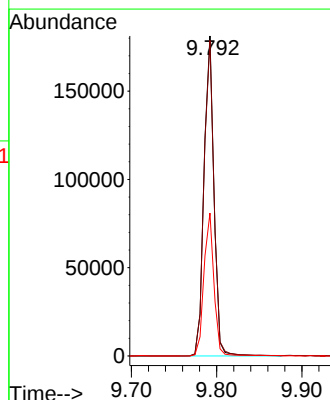
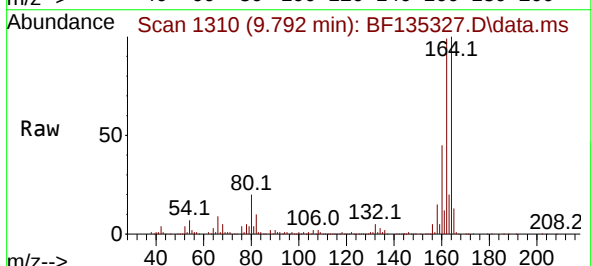
RT: 9.792 min Scan# 1310

Delta R.T. -0.012 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

Tgt Ion:	164	Resp:	146437
Ion Ratio	Lower	Upper	
164	100		
162	98.7	81.0	121.4
160	44.6	37.0	55.4





#42
 2,4,6-Tribromophenol
 Concen: 47.135 ng
 RT: 10.586 min Scan# 1445
 Delta R.T. -0.012 min
 Lab File: BF135327.D
 Acq: 19 Sep 2023 02:00

Instrument :

BNA_F

ClientSampleId :

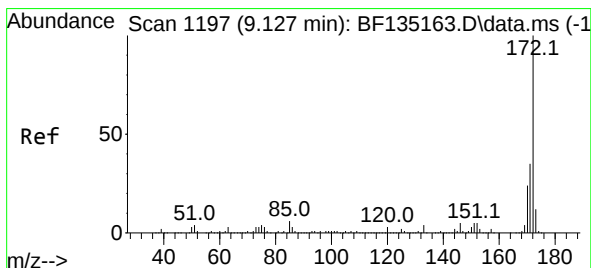
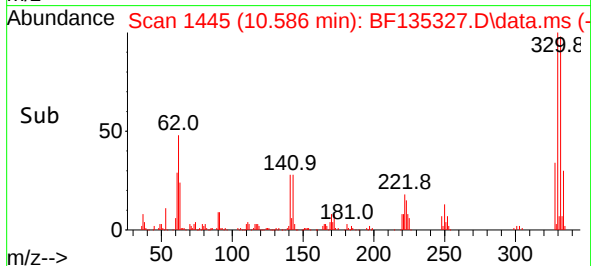
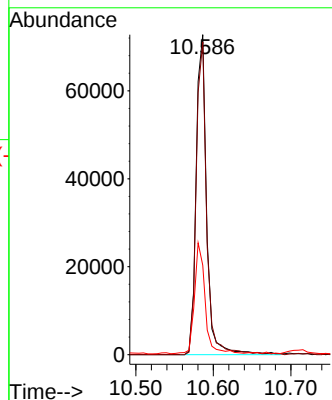
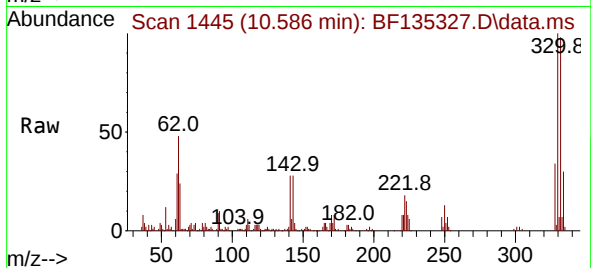
TR-05-09142023

Tgt Ion:330 Resp: 68592
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.3 115.9
 141 34.7 25.8 38.8

Manual Integrations

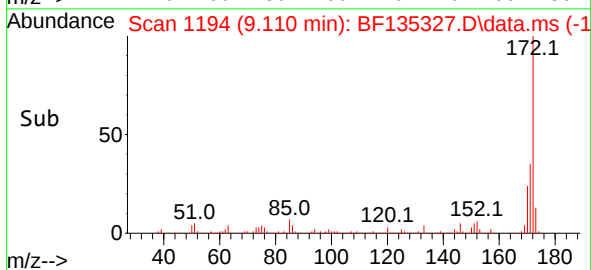
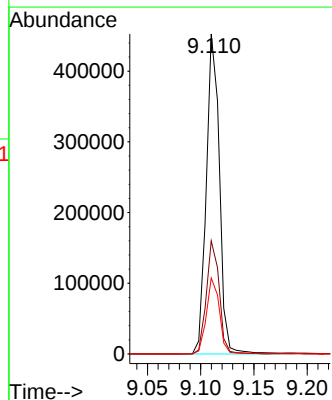
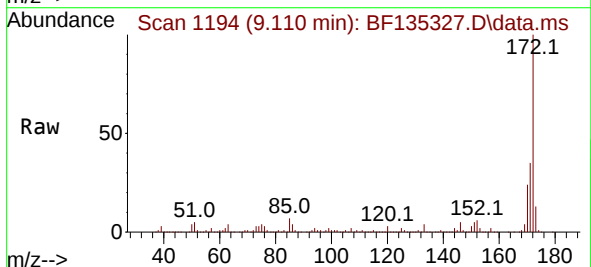
APPROVED

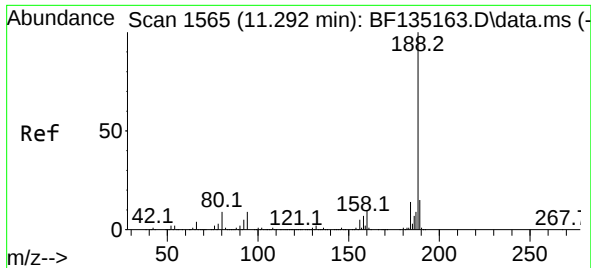
Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023



#45
 2-Fluorobiphenyl
 Concen: 40.222 ng
 RT: 9.110 min Scan# 1194
 Delta R.T. -0.018 min
 Lab File: BF135327.D
 Acq: 19 Sep 2023 02:00

Tgt Ion:172 Resp: 390399
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.4 42.6
 170 23.8 19.0 28.4





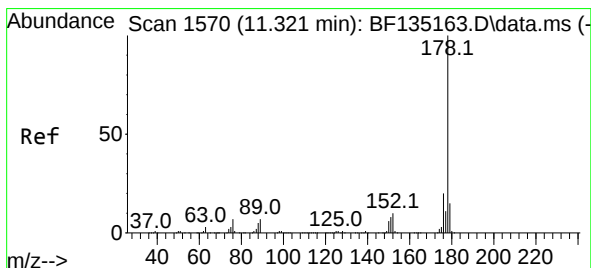
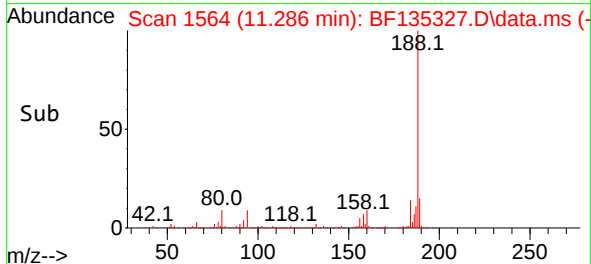
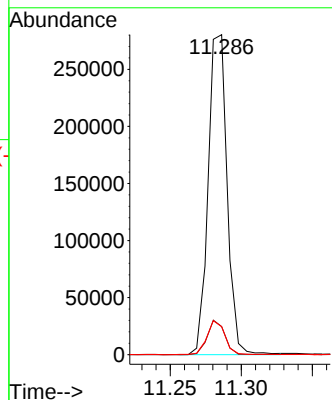
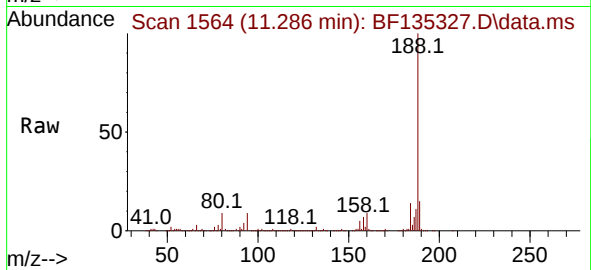
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

Instrument :
BNA_F
ClientSampleId :
TR-05-09142023

Tgt Ion:188 Resp: 26141
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.6
80 8.7 7.5 11.3

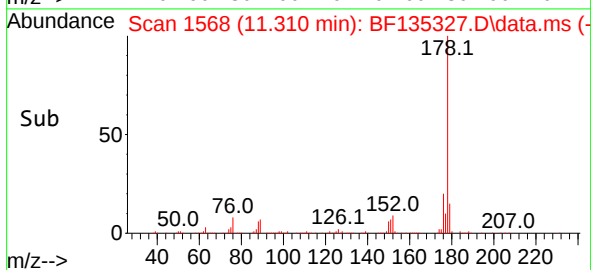
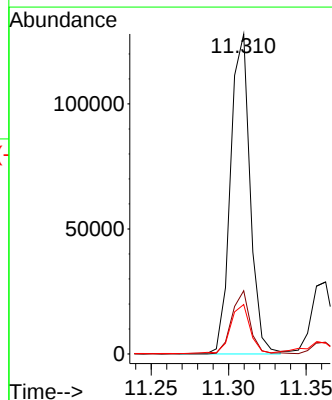
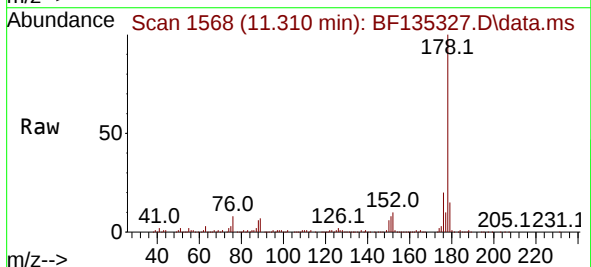
Manual Integrations
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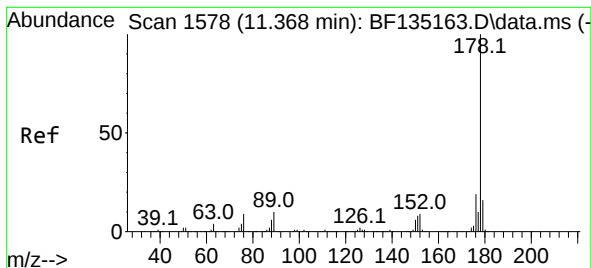
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#71
Phenanthrene
Concen: 9.103 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

Tgt Ion:178 Resp: 112553
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 15.5 12.0 18.0





#72

Anthracene

Concen: 2.043 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

Instrument :

BNA_F

ClientSampleId :

TR-05-09142023

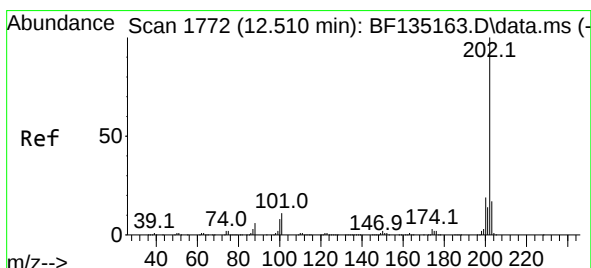
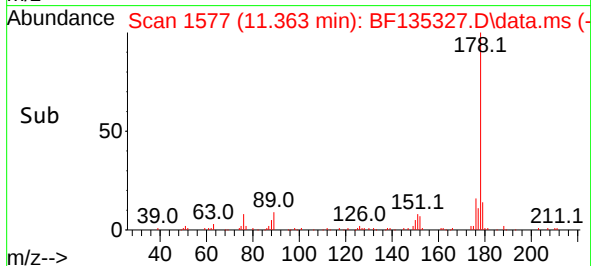
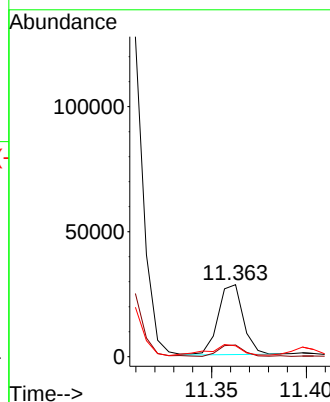
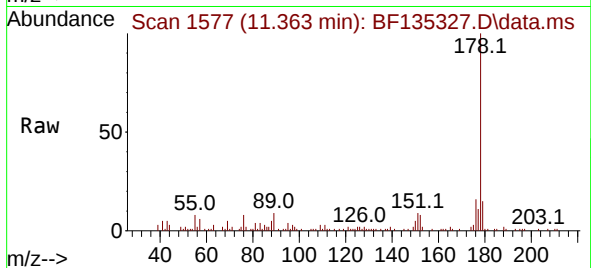
Tgt Ion:178	Resp:	25960
Ion Ratio	Lower	Upper
178	100	
176	16.1	15.4 23.2
179	15.1	12.6 19.0

Manual Integrations

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Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#75

Fluoranthene

Concen: 14.691 ng

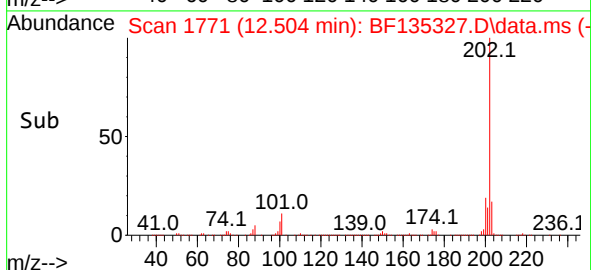
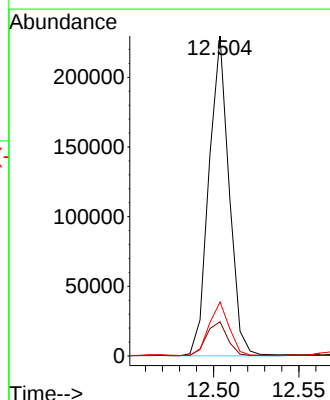
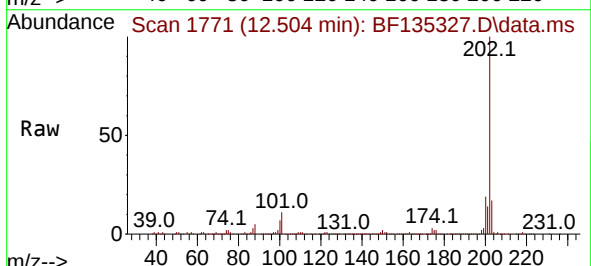
RT: 12.504 min Scan# 1771

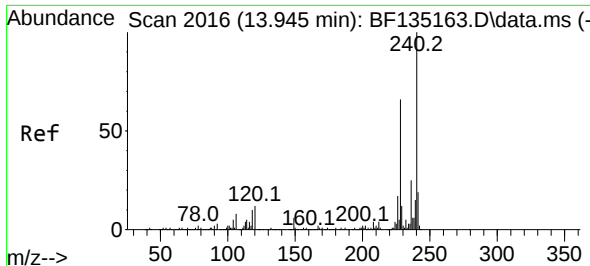
Delta R.T. -0.006 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

Tgt Ion:202	Resp:	189258
Ion Ratio	Lower	Upper
202	100	
101	10.7	0.0 31.3
203	16.8	0.0 37.4





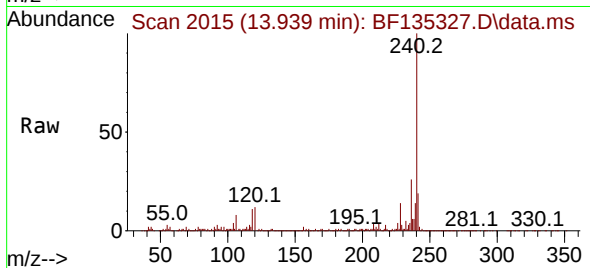
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

Instrument :

BNA_F

ClientSampleId :

TR-05-09142023



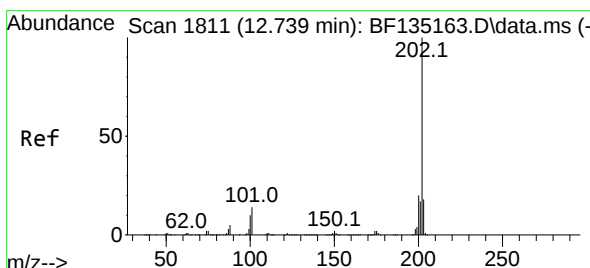
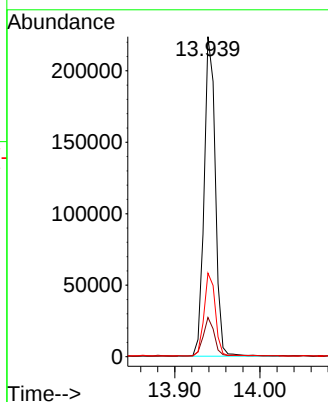
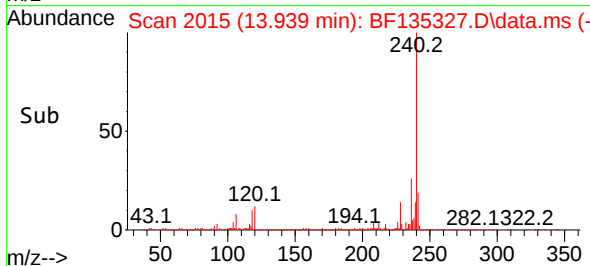
Tgt Ion:240 Resp: 20402
Ion Ratio Lower Upper
240 100
120 12.3 9.4 14.2
236 26.1 19.8 29.8

Manual Integrations

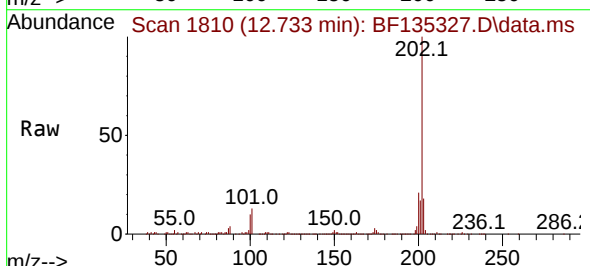
APPROVED

Reviewed By :Yogesh Patel 09/19/2023

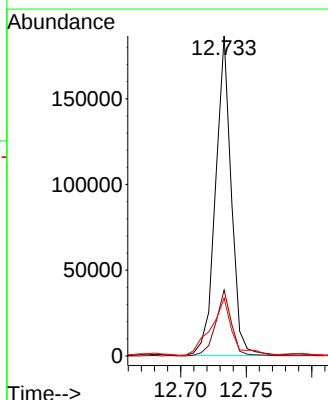
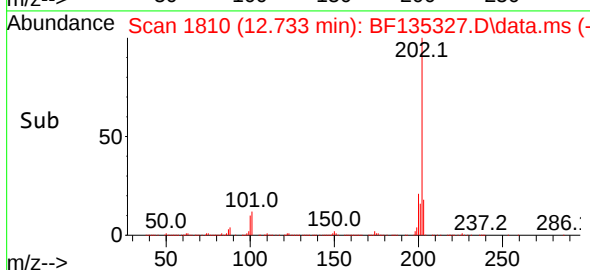
Supervised By :mohammad ahmed 09/19/2023

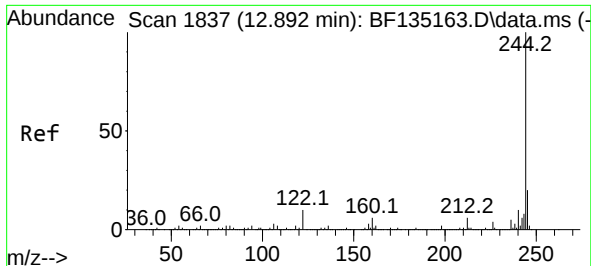


#78
Pyrene
Concen: 8.004 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00



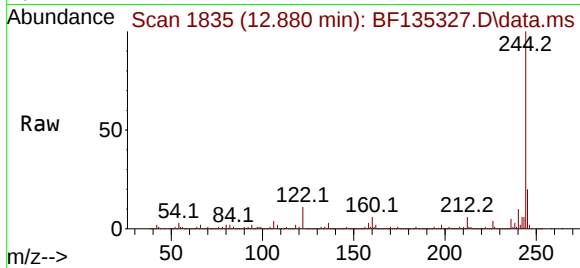
Tgt Ion:202 Resp: 155467
Ion Ratio Lower Upper
202 100
200 20.6 16.2 24.2
203 18.1 14.2 21.4





#79
 Terphenyl-d14
 Concen: 29.726 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135327.D
 Acq: 19 Sep 2023 02:00

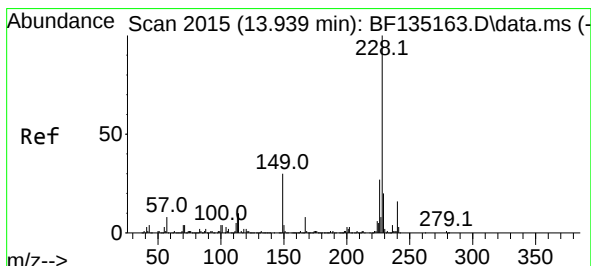
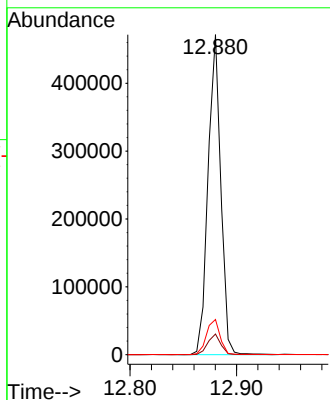
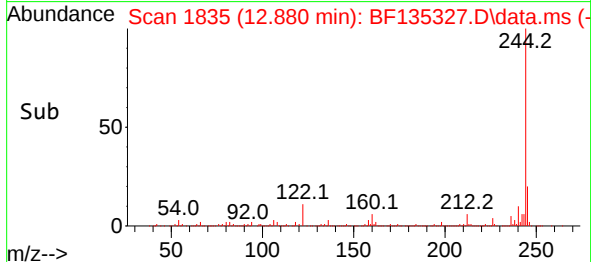
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-09142023



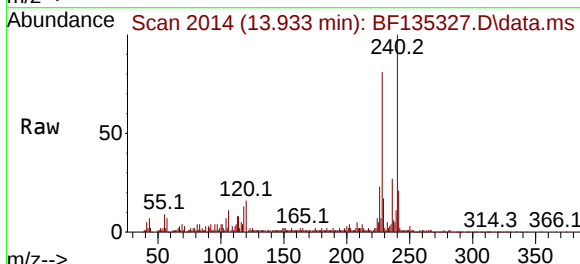
Tgt Ion:244 Resp: 391225
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 11.0 7.9 11.9

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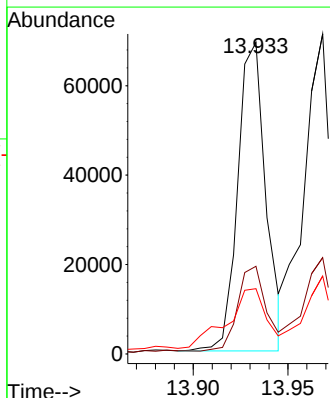
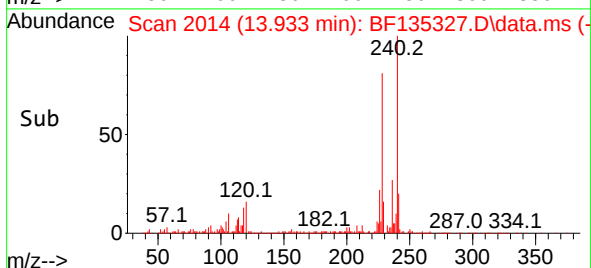
Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023

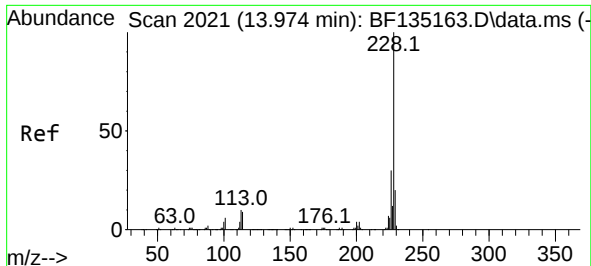


#81
 Benzo(a)anthracene
 Concen: 5.407 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135327.D
 Acq: 19 Sep 2023 02:00



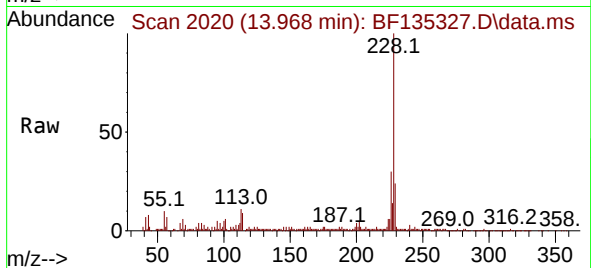
Tgt Ion:228 Resp: 71234
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.7 32.5
 229 21.0 15.8 23.8





#83
Chrysene
Concen: 5.680 ng m
RT: 13.968 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

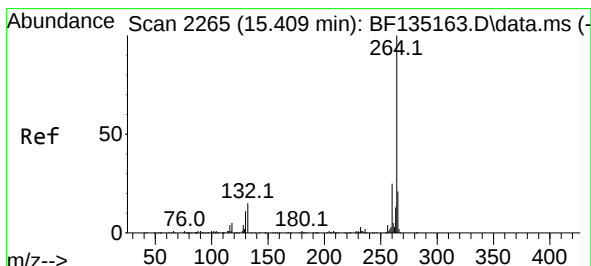
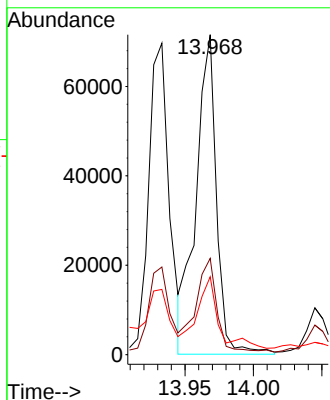
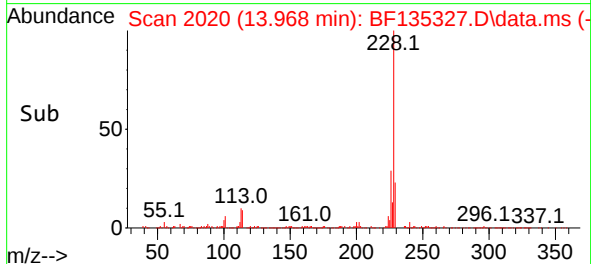
Instrument :
BNA_F
ClientSampleId :
TR-05-09142023



Tgt Ion:228 Resp: 74400
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 24.4 16.0 24.0

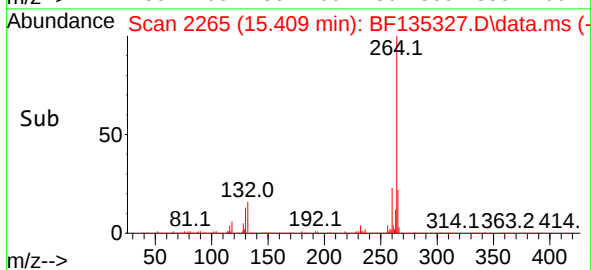
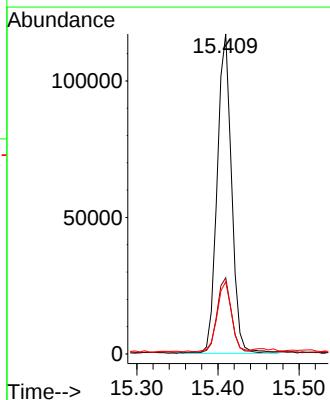
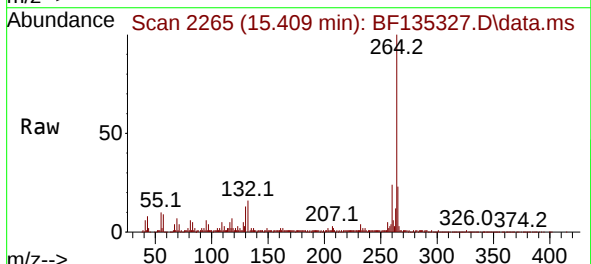
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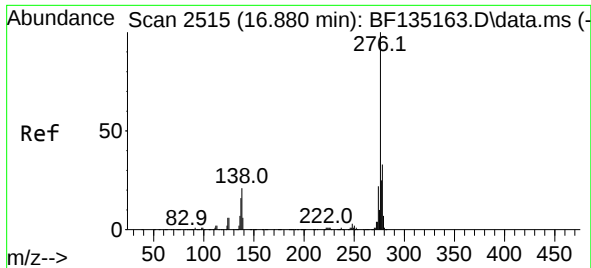
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

Tgt Ion:264 Resp: 144726
Ion Ratio Lower Upper
264 100
260 23.8 19.8 29.6
265 22.6 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.241 ng
RT: 16.886 min Scan# 2116
Delta R.T. 0.006 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

Instrument :

BNA_F

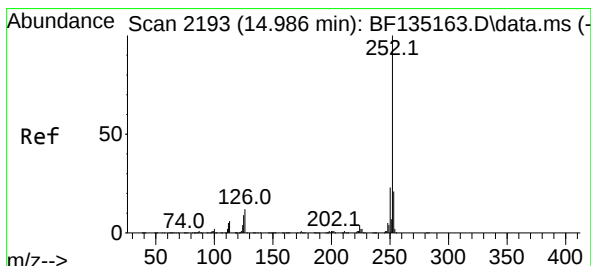
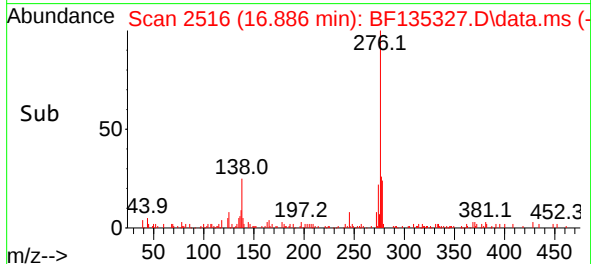
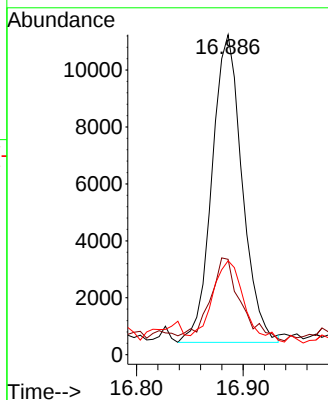
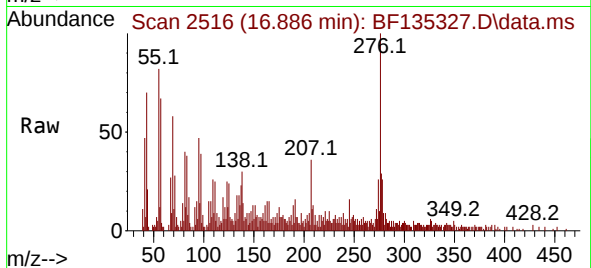
ClientSampleId :

TR-05-09142023

Tgt Ion:276 Resp: 21268
Ion Ratio Lower Upper
276 100
138 27.8 19.2 28.8
277 27.7 19.7 29.5

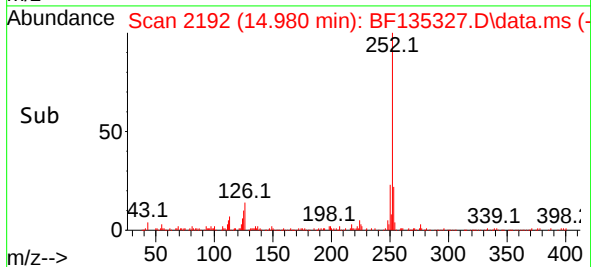
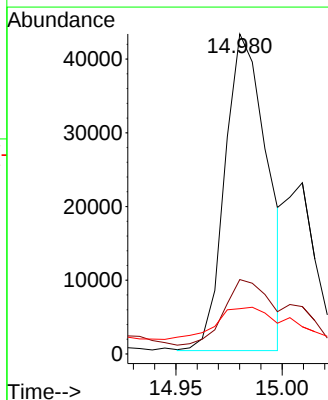
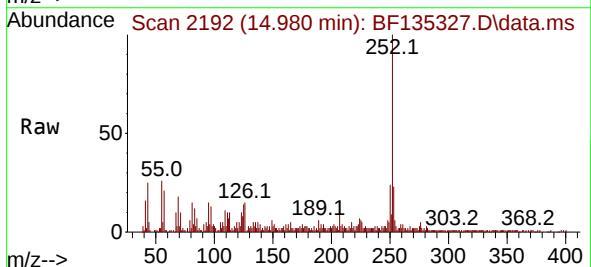
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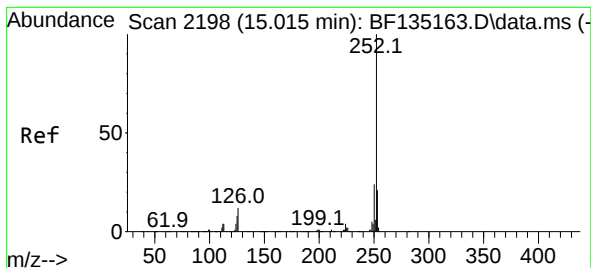
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#88
Benzo(b)fluoranthene
Concen: 7.571 ng m
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

Tgt Ion:252 Resp: 59318
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 14.1 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 3.065 ng m

RT: 15.009 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF135327.D

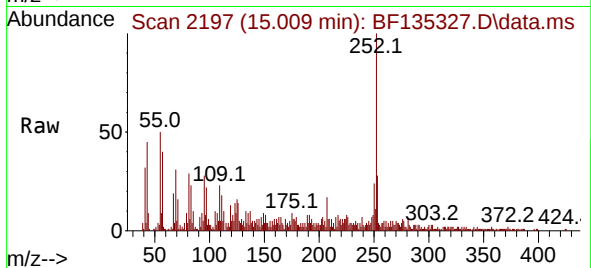
Acq: 19 Sep 2023 02:00

Instrument :

BNA_F

ClientSampleId :

TR-05-09142023



Tgt Ion:252 Resp: 23720

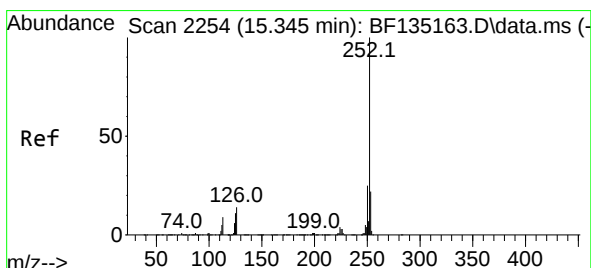
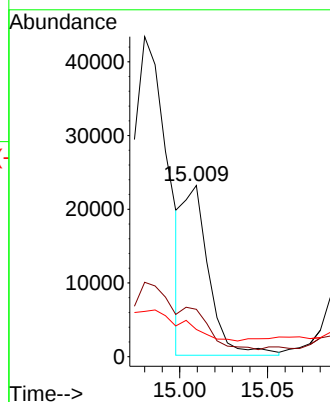
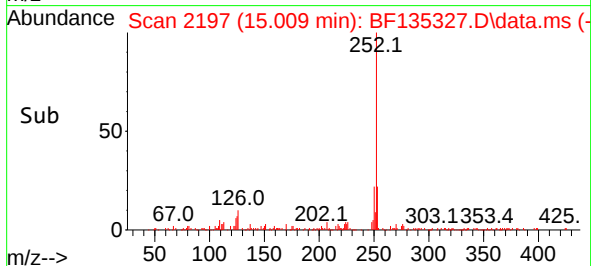
Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.4	26.0
125	15.9	7.2	10.8

Manual Integrations

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Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#90

Benzo(a)pyrene

Concen: 5.102 ng

RT: 15.345 min Scan# 2254

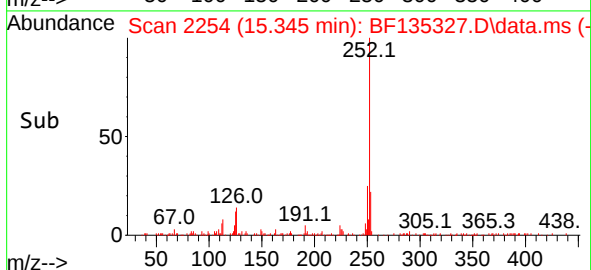
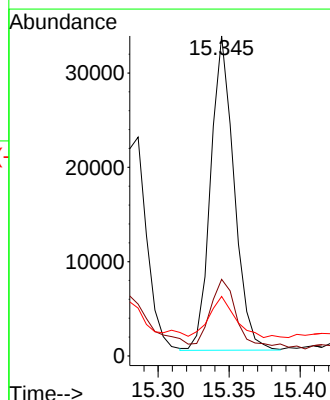
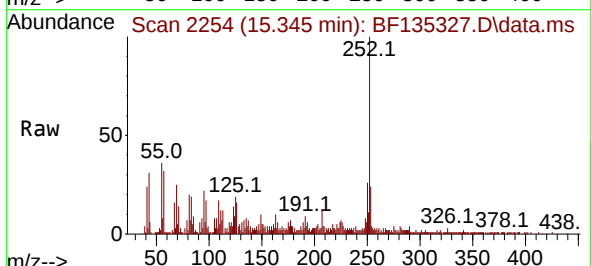
Delta R.T. 0.000 min

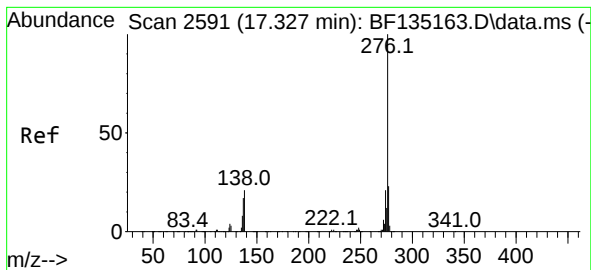
Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

Tgt Ion:252 Resp: 38115

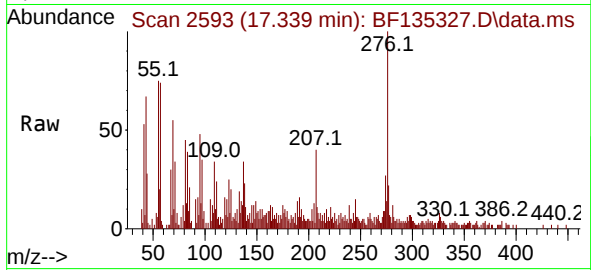
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	18.6	9.2	13.8





#92
 Benzo(g,h,i)perylene
 Concen: 2.482 ng
 RT: 17.339 min Scan# 2012
 Delta R.T. 0.012 min
 Lab File: BF135327.D
 Acq: 19 Sep 2023 02:00

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-09142023



Tgt Ion:	276	Resp:	2012
Ion Ratio	Lower	Upper	
276	100		
277	22.3	18.8	28.2
138	22.9	16.9	25.3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023

