

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
 Data File : BF136289.D
 Acq On : 29 Nov 2023 18:11
 Operator : CG\JU
 Sample : 05540-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-11222023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/30/2023
 Supervised By :mohammad ahmed 12/01/2023

Quant Time: Nov 29 18:34:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	120102	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	471193	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	197728	20.000	ng	-0.01
64) Phenanthrene-d10	11.328	188	299097	20.000	ng	0.00
76) Chrysene-d12	13.980	240	239806	20.000	ng	-0.01
86) Perylene-d12	15.463	264	263304	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	861781	99.871	ng	0.00
7) Phenol-d6	6.440	99	1021975	94.721	ng	0.00
23) Nitrobenzene-d5	7.363	82	630168	70.672	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	212472	87.893	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1135853	73.375	ng	-0.01
79) Terphenyl-d14	12.927	244	894017	43.003	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.351	178	77467	4.608	ng	# 95
75) Fluoranthene	12.545	202	101870	5.969	ng	94
78) Pyrene	12.775	202	102878m	3.917	ng	
81) Benzo(a)anthracene	13.969	228	53599	3.009	ng	94
83) Chrysene	14.004	228	54816m	3.187	ng	
87) Indeno(1,2,3-cd)pyrene	16.957	276	22710	3.769	ng	95
88) Benzo(b)fluoranthene	15.027	252	65748m	3.559	ng	
90) Benzo(a)pyrene	15.398	252	43720	2.895	ng	# 93
92) Benzo(g,h,i)perylene	17.410	276	21778	3.220	ng	# 94

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

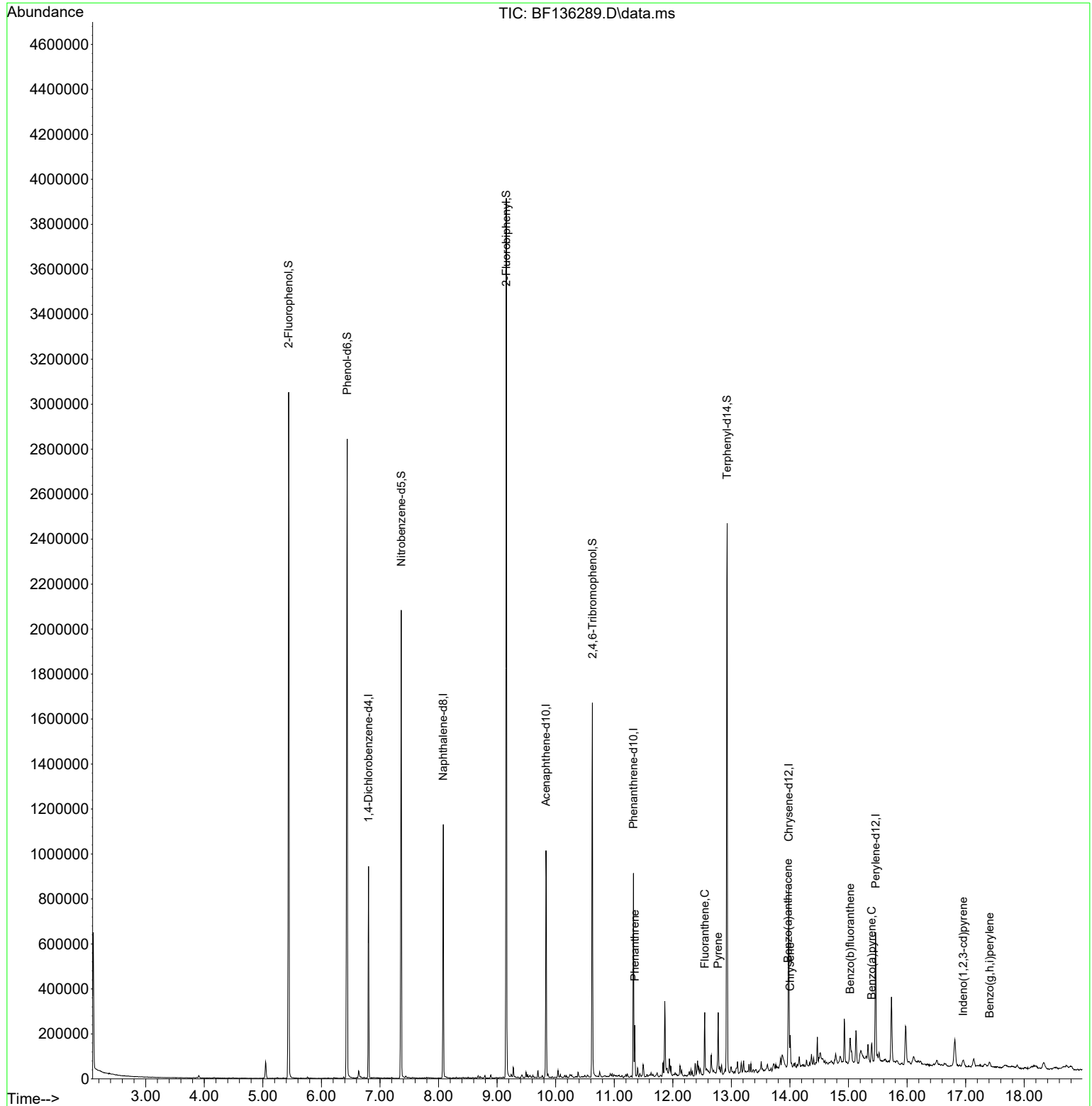
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136289.D
Acq On : 29 Nov 2023 18:11
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ALS Vial : 8 Sample Multiplier: 1

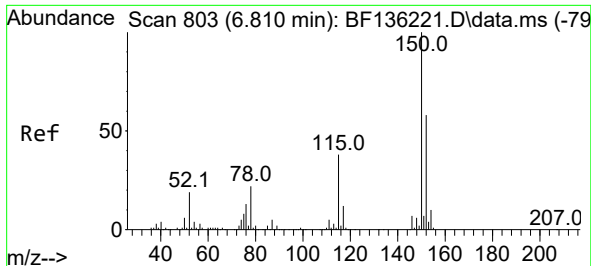
Instrument :
BNA_F
ClientSampleId :
TR-06-11222023

Quant Time: Nov 29 18:34:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 03:04:20 2023
Response via : Initial Calibration

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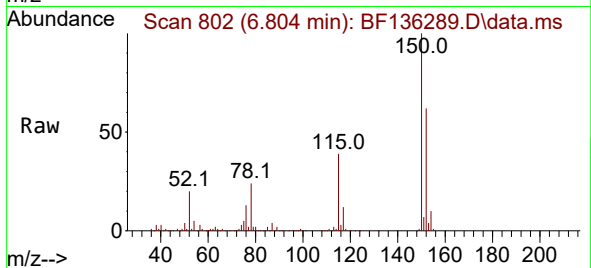
Reviewed By :Yogesh Patel 11/30/2023
Supervised By :mohammad ahmed 12/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

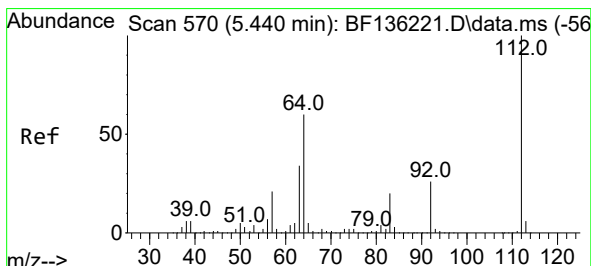
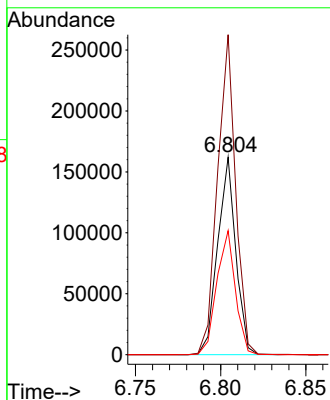
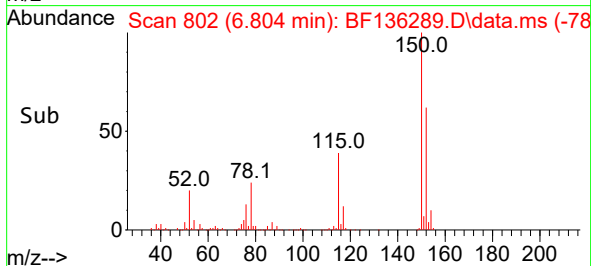
Instrument :
BNA_F
ClientSampleId :
TR-06-11222023



Tgt Ion:152 Resp: 12010
Ion Ratio Lower Upper
152 100
150 162.1 137.8 206.8
115 62.8 52.7 79.1

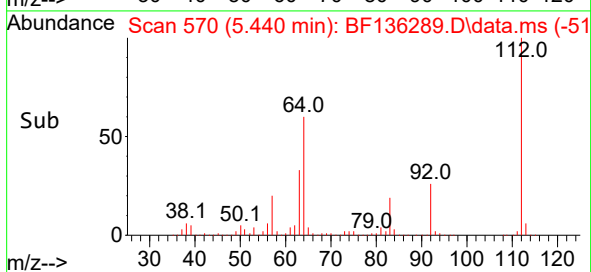
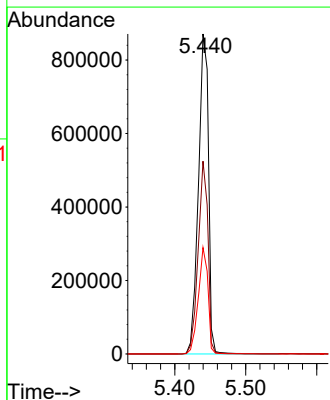
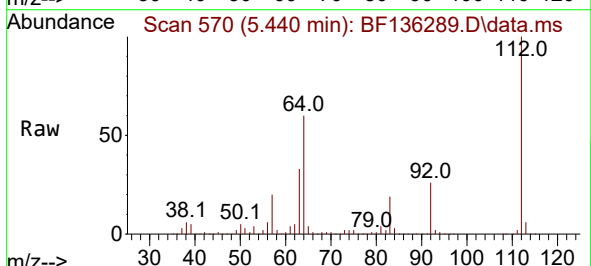
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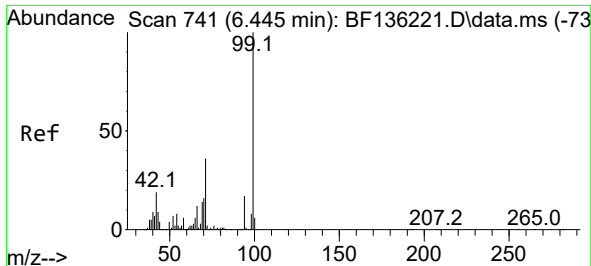
Reviewed By :Yogesh Patel 11/30/2023
Supervised By :mohammad ahmed 12/01/2023



#5
2-Fluorophenol
Concen: 99.871 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

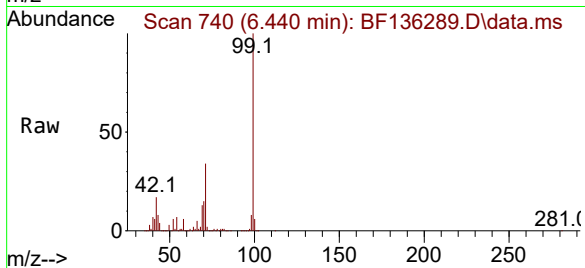
Tgt Ion:112 Resp: 861781
Ion Ratio Lower Upper
112 100
64 60.2 48.2 72.4
63 33.2 27.0 40.6





#7
Phenol-d6
Concen: 94.721 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

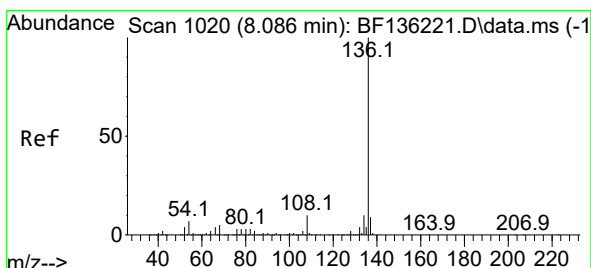
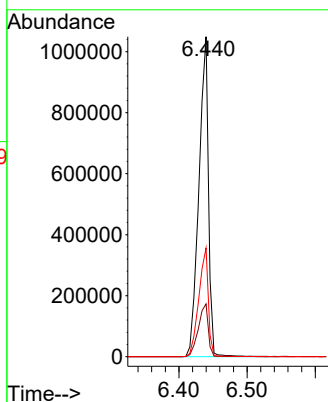
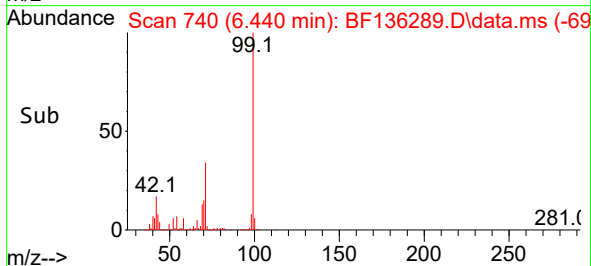
Instrument :
BNA_F
ClientSampleId :
TR-06-11222023



Tgt Ion: 99 Resp: 1021975
Ion Ratio Lower Upper
99 100
42 16.5 15.0 22.6
71 34.0 28.9 43.3

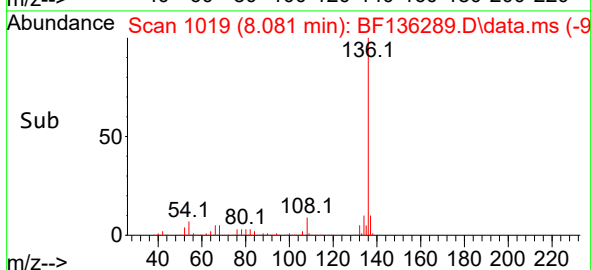
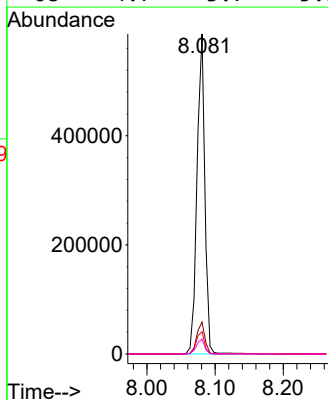
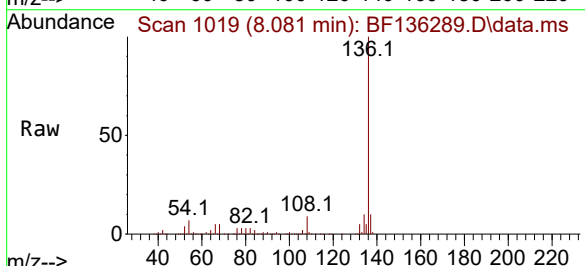
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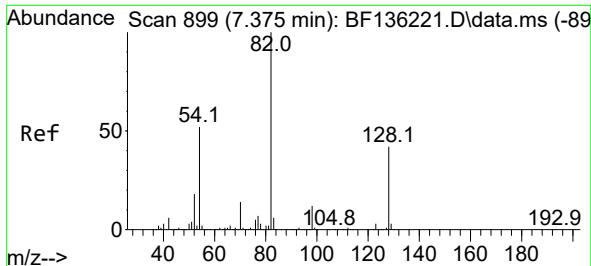
Reviewed By :Yogesh Patel 11/30/2023
Supervised By :mohammad ahmed 12/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

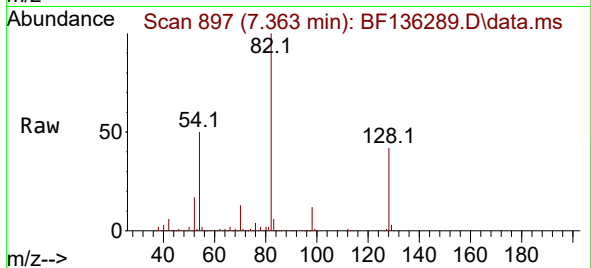
Tgt Ion:136 Resp: 471193
Ion Ratio Lower Upper
136 100
137 9.9 7.4 11.2
54 6.9 5.5 8.3
68 4.7 3.7 5.5





#23
Nitrobenzene-d5
Concen: 70.672 ng
RT: 7.363 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

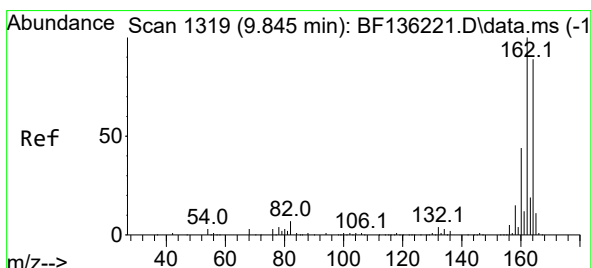
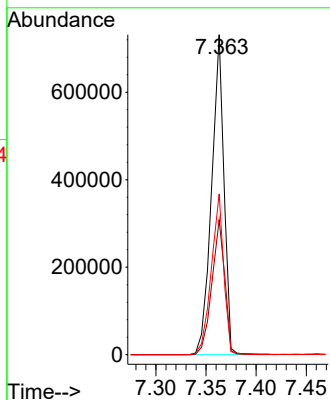
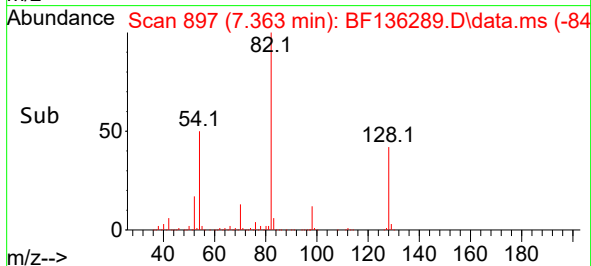
Instrument :
BNA_F
ClientSampleId :
TR-06-11222023



Tgt Ion: 82 Resp: 630168
Ion Ratio Lower Upper
82 100
128 42.2 33.4 50.2
54 50.2 41.7 62.5

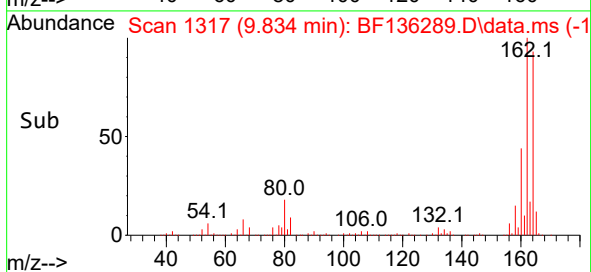
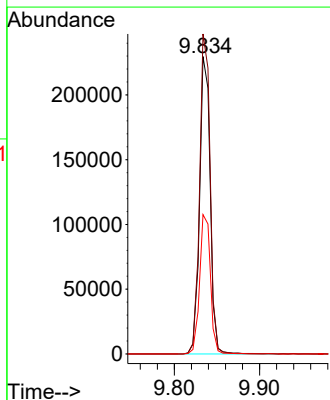
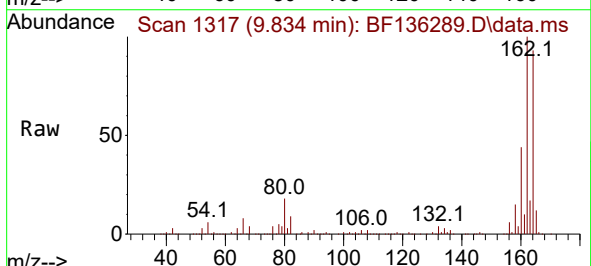
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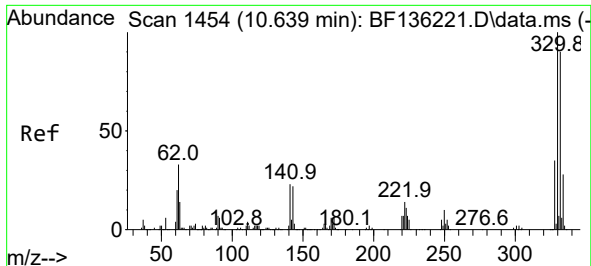
Reviewed By :Yogesh Patel 11/30/2023
Supervised By :mohammad ahmed 12/01/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1317
Delta R.T. -0.011 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

Tgt Ion:164 Resp: 197728
Ion Ratio Lower Upper
164 100
162 107.6 89.5 134.3
160 46.9 39.6 59.4





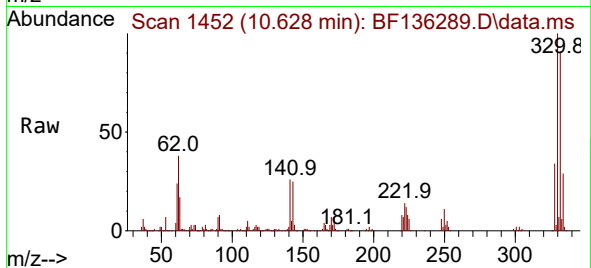
#42
2,4,6-Tribromophenol
Concen: 87.893 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

Instrument :

BNA_F

ClientSampleId :

TR-06-11222023



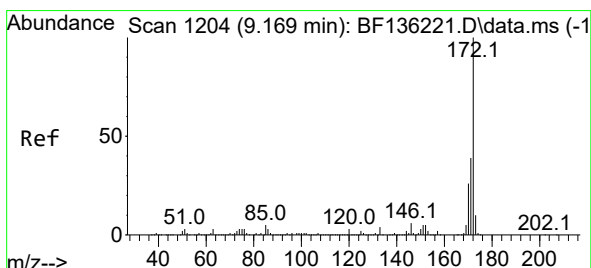
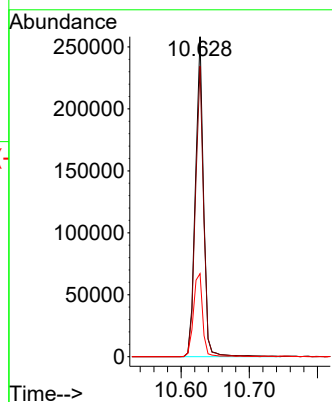
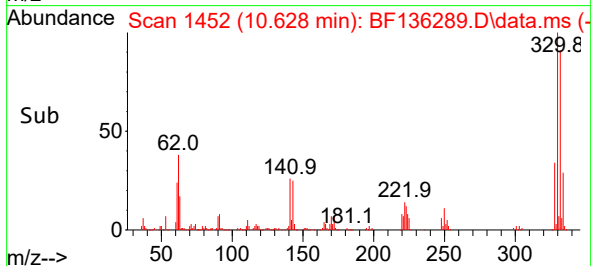
Tgt Ion:330 Resp: 212472
Ion Ratio Lower Upper
330 100
332 92.3 73.0 109.6
141 29.6 24.2 36.2

Manual Integrations

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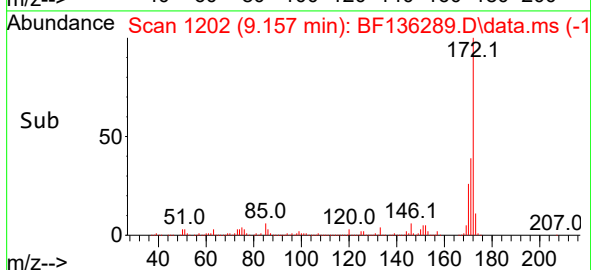
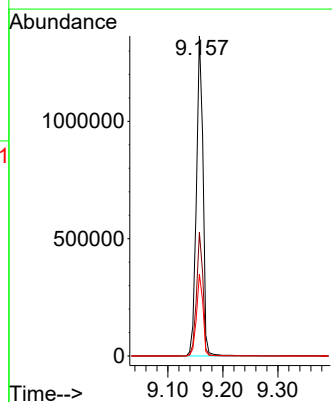
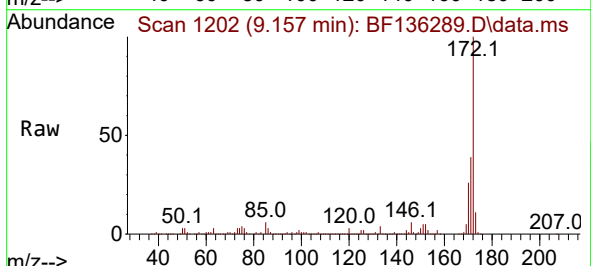
Reviewed By :Yogesh Patel 11/30/2023

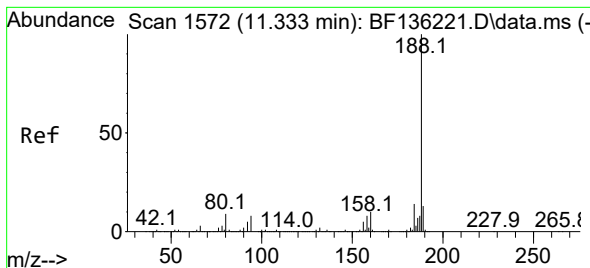
Supervised By :mohammad ahmed 12/01/2023



#45
2-Fluorobiphenyl
Concen: 73.375 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.012 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

Tgt Ion:172 Resp: 1135853
Ion Ratio Lower Upper
172 100
171 38.6 31.5 47.3
170 25.6 20.8 31.2





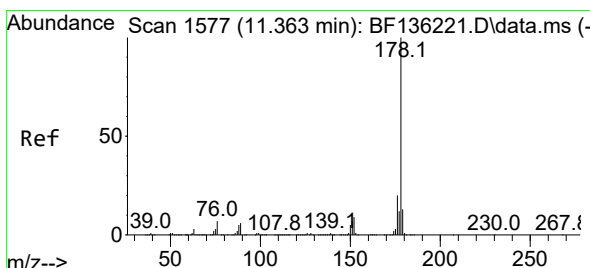
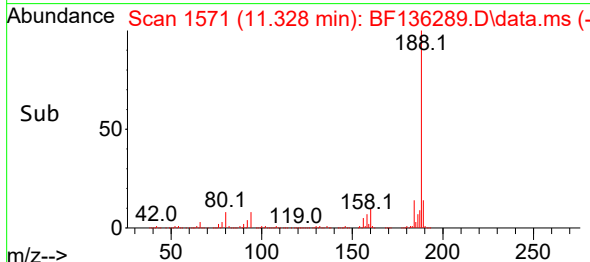
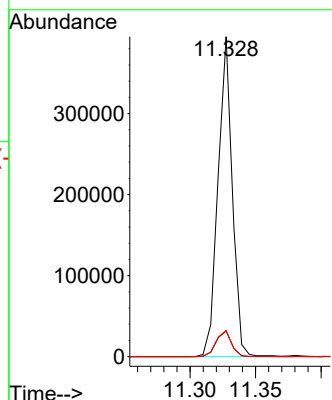
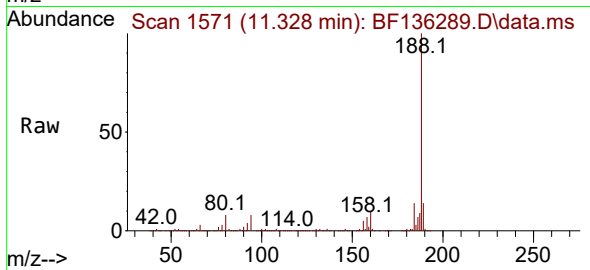
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.005 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

Instrument :
BNA_F
ClientSampleId :
TR-06-11222023

Tgt Ion:188 Resp: 29909
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.2 7.2 10.8

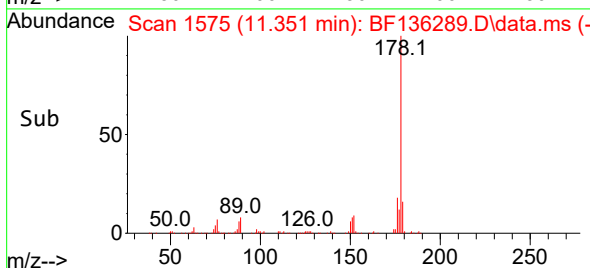
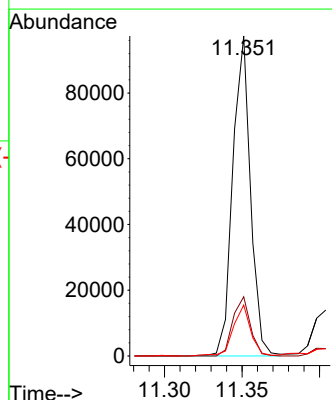
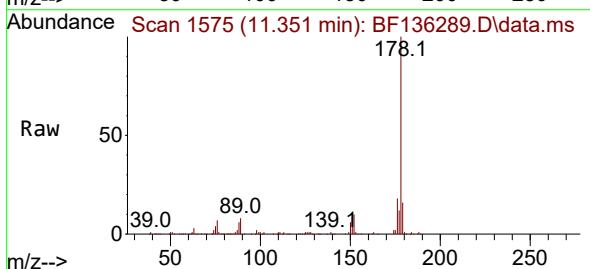
Manual Integrations
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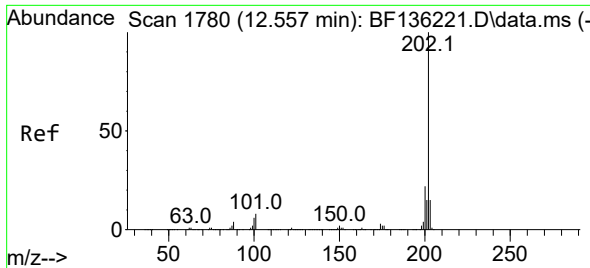
Reviewed By :Yogesh Patel 11/30/2023
Supervised By :mohammad ahmed 12/01/2023



#71
Phenanthrene
Concen: 4.608 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

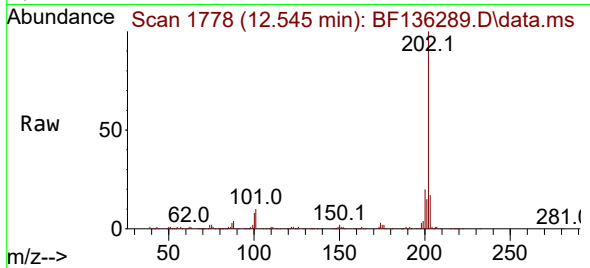
Tgt Ion:178 Resp: 77467
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.2
179 15.9 10.3 15.5#





#75
Fluoranthene
Concen: 5.969 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

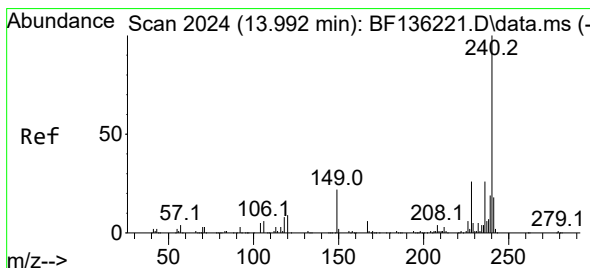
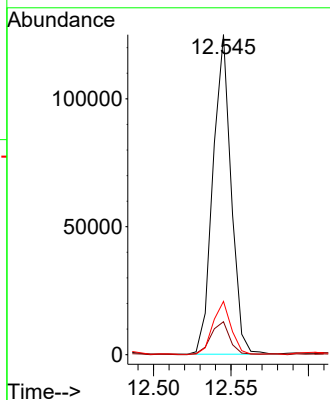
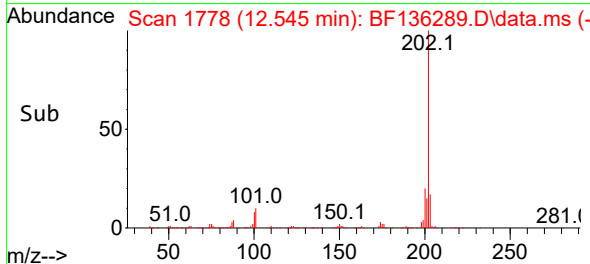
Instrument :
BNA_F
ClientSampleId :
TR-06-11222023



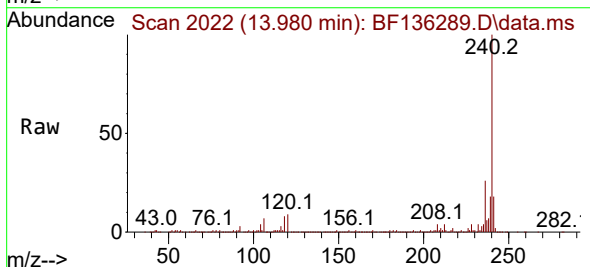
Tgt Ion:202 Resp: 101870
Ion Ratio Lower Upper
202 100
101 10.3 0.0 27.8
203 16.7 0.0 34.5

Manual Integrations
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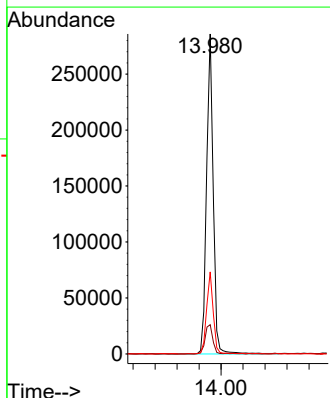
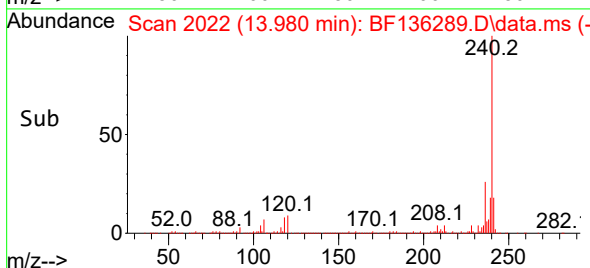
Reviewed By :Yogesh Patel 11/30/2023
Supervised By :mohammad ahmed 12/01/2023

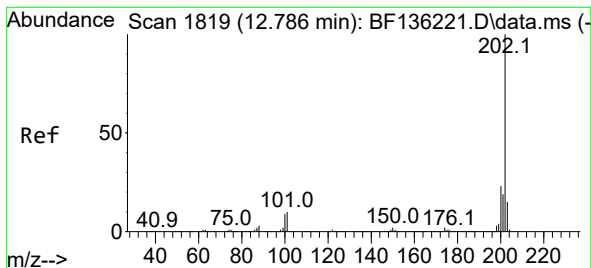


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11



Tgt Ion:240 Resp: 239806
Ion Ratio Lower Upper
240 100
120 9.2 7.4 11.2
236 25.7 21.1 31.7





#78

Pyrene

Concen: 3.917 ng m

RT: 12.775 min Scan# 1817

Delta R.T. -0.012 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

Instrument :

BNA_F

ClientSampleId :

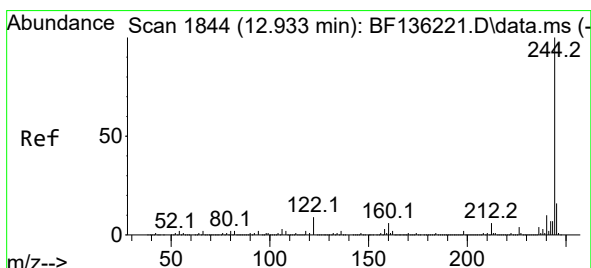
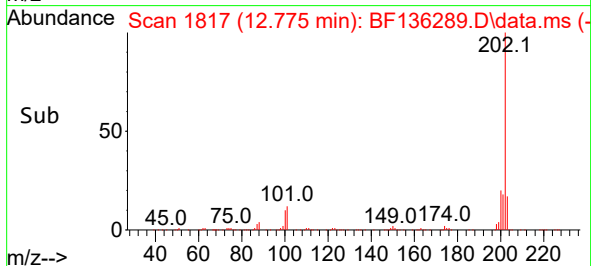
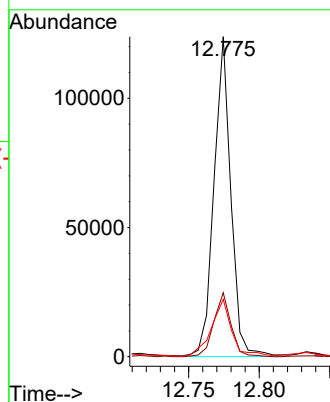
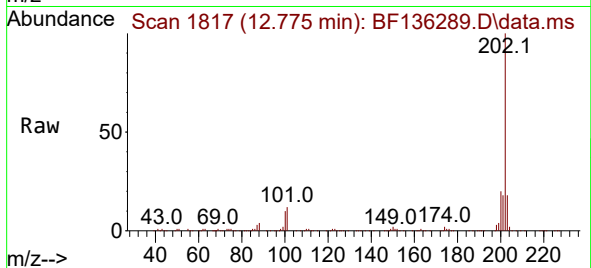
TR-06-11222023

Tgt Ion:202 Resp: 102878
 Ion Ratio Lower Upper
 202 100
 200 20.0 18.4 27.6
 203 17.9 11.8 17.6

Manual Integrations

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#79

Terphenyl-d14

Concen: 43.003 ng

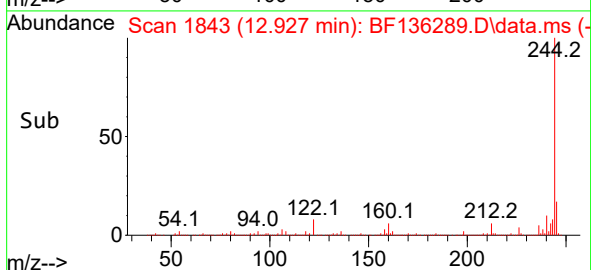
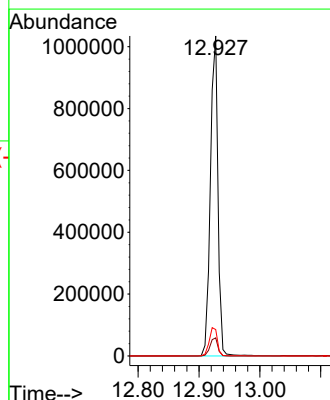
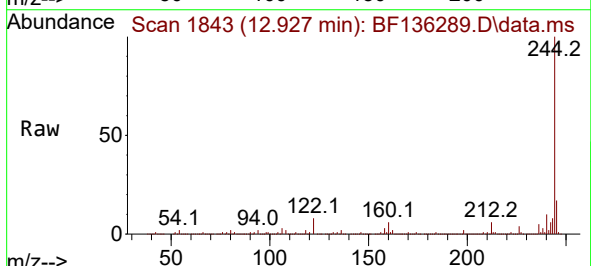
RT: 12.927 min Scan# 1843

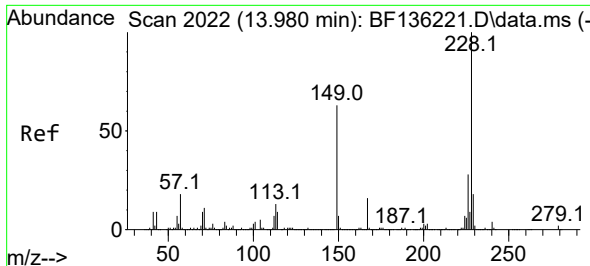
Delta R.T. -0.006 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

Tgt Ion:244 Resp: 894017
 Ion Ratio Lower Upper
 244 100
 212 5.6 4.6 7.0
 122 8.2 7.3 10.9





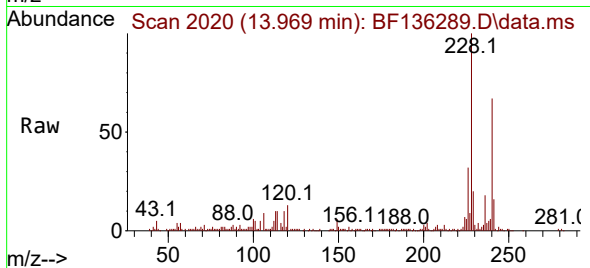
#81
Benzo(a)anthracene
Concen: 3.009 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

Instrument :

BNA_F

ClientSampleId :

TR-06-11222023

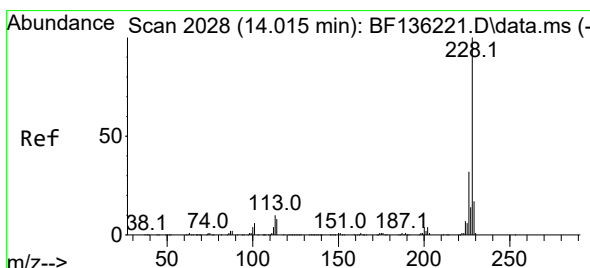
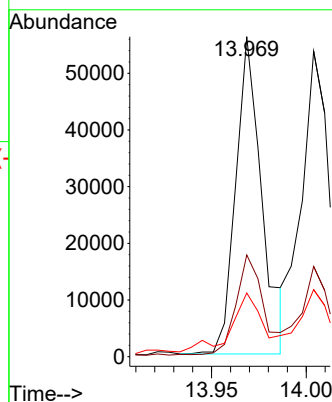
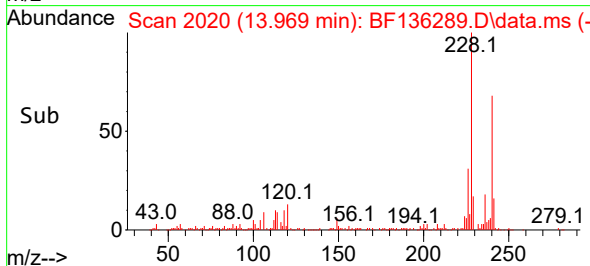


Tgt Ion:228 Resp: 5359
Ion Ratio Lower Upper
228 100
226 31.8 22.6 34.0
229 19.9 14.0 21.0

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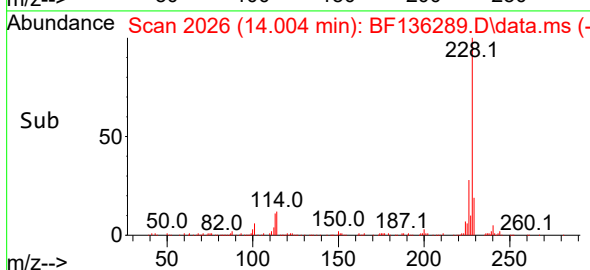
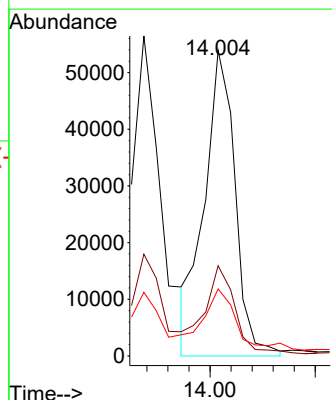
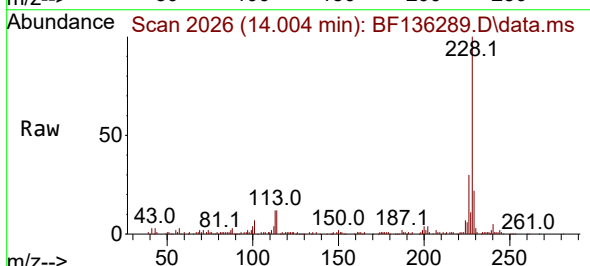
APPROVED

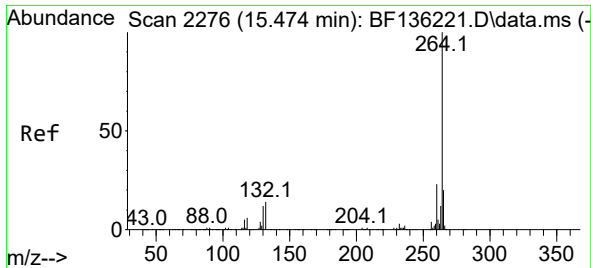
Reviewed By :Yogesh Patel 11/30/2023
Supervised By :mohammad ahmed 12/01/2023



#83
Chrysene
Concen: 3.187 ng m
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

Tgt Ion:228 Resp: 54816
Ion Ratio Lower Upper
228 100
226 29.5 25.5 38.3
229 21.9 13.9 20.9#





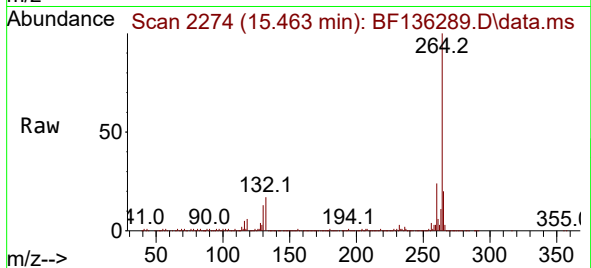
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.011 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

Instrument :

BNA_F

ClientSampleId :

TR-06-11222023

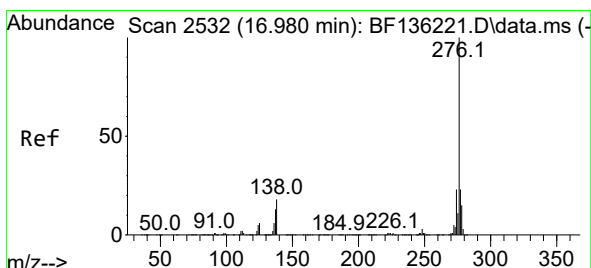
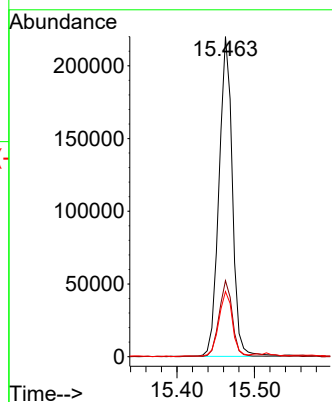
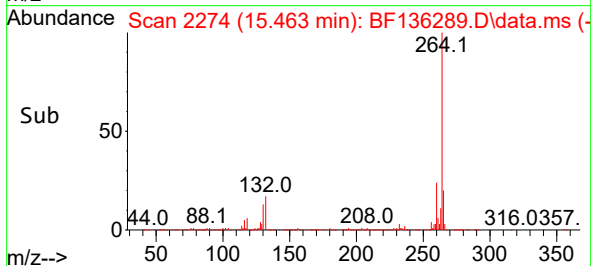


Tgt Ion:264 Resp: 263304
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 20.4 15.7 23.5

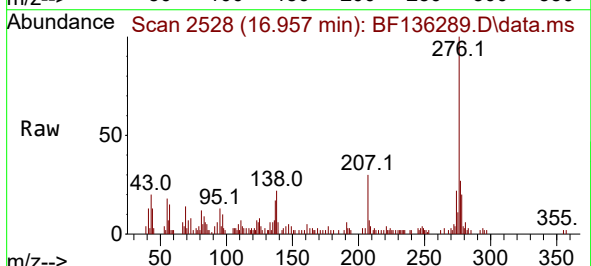
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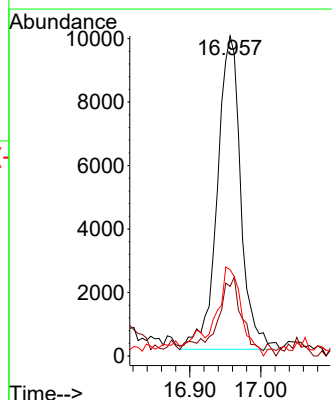
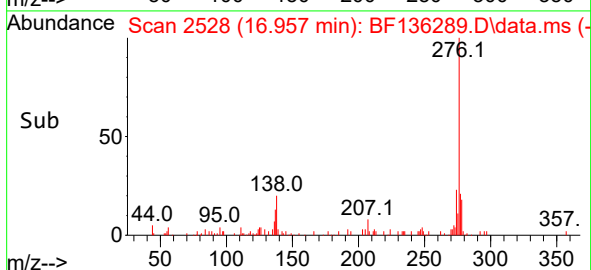
Reviewed By :Yogesh Patel 11/30/2023
Supervised By :mohammad ahmed 12/01/2023

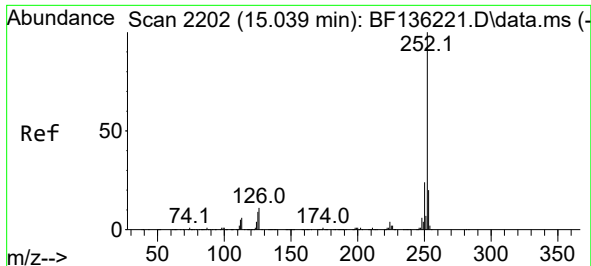


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.769 ng
RT: 16.957 min Scan# 2528
Delta R.T. -0.023 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11



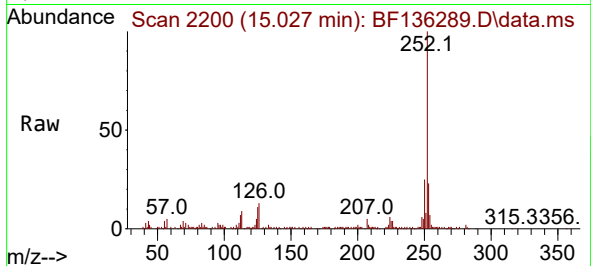
Tgt Ion:276 Resp: 22710
Ion Ratio Lower Upper
276 100
138 23.4 17.7 26.5
277 27.9 19.6 29.4





#88
Benzo(b)fluoranthene
Concen: 3.559 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.012 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

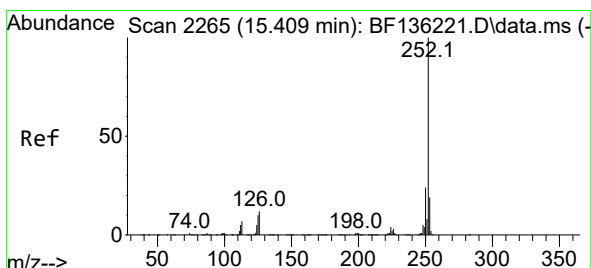
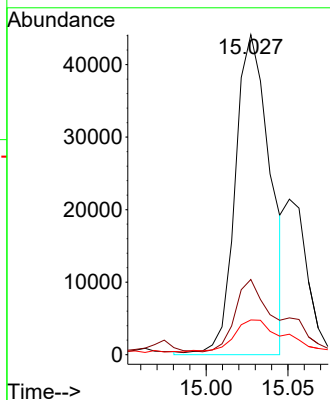
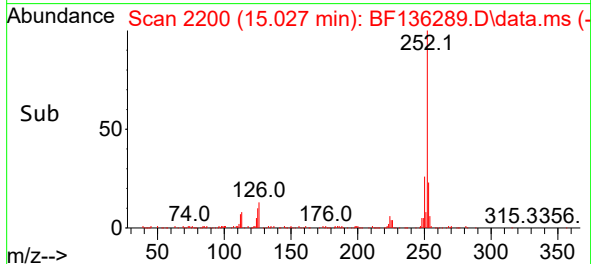
Instrument :
BNA_F
ClientSampleId :
TR-06-11222023



Tgt Ion:252 Resp: 65748
Ion Ratio Lower Upper
252 100
253 23.5 16.2 24.2
125 10.8 6.9 10.3

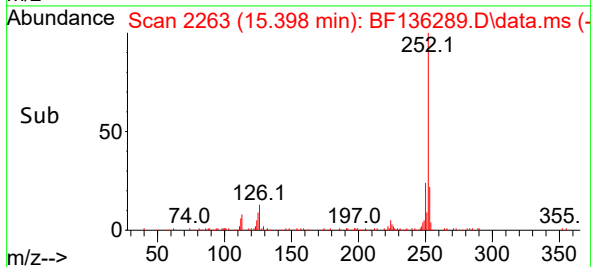
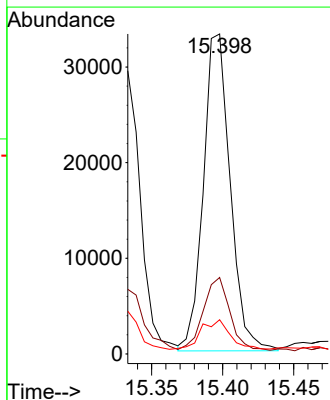
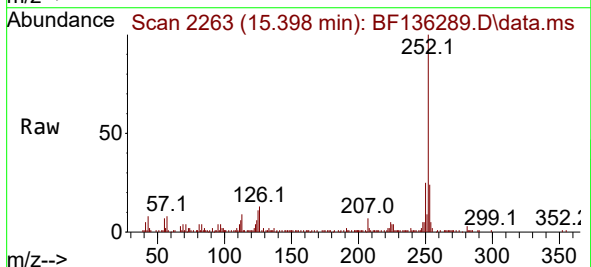
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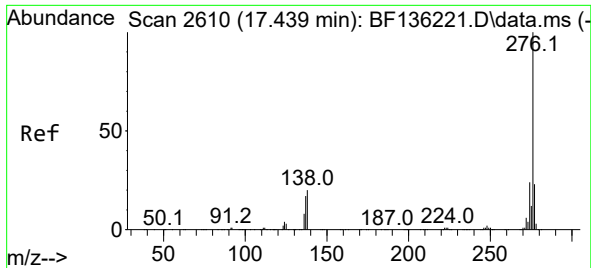
Reviewed By :Yogesh Patel 11/30/2023
Supervised By :mohammad ahmed 12/01/2023



#90
Benzo(a)pyrene
Concen: 2.895 ng
RT: 15.398 min Scan# 2263
Delta R.T. -0.011 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

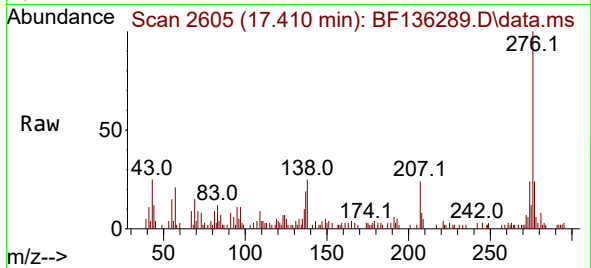
Tgt Ion:252 Resp: 43720
Ion Ratio Lower Upper
252 100
253 23.9 15.5 23.3#
125 10.7 7.9 11.9





#92
Benzo(g,h,i)perylene
Concen: 3.220 ng
RT: 17.410 min Scan# 20
Delta R.T. -0.029 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

Instrument :
BNA_F
ClientSampleId :
TR-06-11222023



Tgt Ion: 276 Resp: 21778
Ion Ratio Lower Upper
276 100
277 23.7 18.6 27.8
138 25.2 15.8 23.8

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 11/30/2023
Supervised By : mohammad ahmed 12/01/2023

